

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082319\
 Data File : VW012129.D
 Acq On : 23 Aug 2019 11:55
 Operator : SY/VA
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 11:39:15 AM

Quant Time: Aug 26 07:17:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:02:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	243448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	391717	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	339865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	157830	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	436333	150.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.54%	
35) Dibromofluoromethane	7.88	113	351691	150.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.82%	
50) Toluene-d8	10.32	98	1441897	152.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.18%	
62) 4-Bromofluorobenzene	12.62	95	498123	149.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	263028	175.469	ug/l	96
3) Chloromethane	2.21	50	370550	159.556	ug/l	99
4) Vinyl Chloride	2.36	62	446630	157.126	ug/l	100
5) Bromomethane	2.76	94	219860	152.727	ug/l	98
6) Chloroethane	2.91	64	257606	160.651	ug/l	97
7) Trichlorofluoromethane	3.25	101	260203	182.304	ug/l	99
8) Diethyl Ether	3.68	74	219671	162.145	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	377005	155.394	ug/l	99
10) Methyl Iodide	4.27	142	531116	161.797	ug/l	100
11) Tert butyl alcohol	5.17	59	148355	841.526	ug/l	99
12) 1,1-Dichloroethene	4.04	96	392249	160.633	ug/l	97
13) Acrolein	3.89	56	120690	736.184	ug/l	98
14) Allyl chloride	4.67	41	855818	163.937	ug/l	99
15) Acrylonitrile	5.36	53	553344	824.026	ug/l	99
16) Acetone	4.12	43	615009	831.354	ug/l	100
17) Carbon Disulfide	4.38	76	1246152	168.858	ug/l	100
18) Methyl Acetate	4.67	43	297679	162.464	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	617421	156.351	ug/l	99
20) Methylene Chloride	4.92	84	406533	145.366	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	417762	159.538	ug/l	100
22) Diisopropyl ether	6.31	45	1513558	156.415	ug/l	95
23) Vinyl Acetate	6.25	43	5005218	840.494	ug/l	100
24) 1,1-Dichloroethane	6.21	63	834916	158.467	ug/l	99
25) 2-Butanone	7.17	43	855633	851.157	ug/l	100
26) 2,2-Dichloropropane	7.17	77	453645	152.120	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	448114	160.172	ug/l	99
28) Bromochloromethane	7.51	49	334498	145.664	ug/l #	99
29) Tetrahydrofuran	7.52	42	517212	857.571	ug/l	99
30) Chloroform	7.68	83	736655	152.823	ug/l	98
31) Cyclohexane	7.95	56	782342	150.084	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	601778	157.812	ug/l	100
36) 1,1-Dichloropropene	8.08	75	636229	157.173	ug/l	100
37) Ethyl Acetate	7.25	43	358772	161.739	ug/l	99
38) Carbon Tetrachloride	8.07	117	562175	160.457	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	738168	162.322	ug/l	98
40) Benzene	8.32	78	1715272	155.183	ug/l	99
41) Methacrylonitrile	7.48	41	219976	168.729	ug/l	98
42) 1,2-Dichloroethane	8.40	62	540423	156.004	ug/l	100
43) Isopropyl Acetate	8.42	43	690962	168.165	ug/l	99
44) Trichloroethene	9.09	130	423599	157.648	ug/l	99
45) 1,2-Dichloropropane	9.37	63	466597	156.853	ug/l	100
46) Dibromomethane	9.46	93	210808	159.274	ug/l	98
47) Bromodichloromethane	9.65	83	568629	161.426	ug/l	98
48) Methyl methacrylate	9.43	41	339457	173.583	ug/l	98
49) 1,4-Dioxane	9.45	88	70311	3470.078	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	1746075	835.492	ug/l	100
52) Toluene	10.39	92	1051344	158.331	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	613600	171.008	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	721453	166.522	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	298492	159.395	ug/l	99
56) Ethyl methacrylate	10.65	69	473709	173.807	ug/l	100
57) 1,3-Dichloropropane	10.93	76	569287	160.869	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	1142788	816.990	ug/l	100
59) 2-Hexanone	10.97	43	1257474	850.380	ug/l	99
60) Dibromochloromethane	11.13	129	349696	167.654	ug/l	100
61) 1,2-Dibromoethane	11.24	107	283559	162.534	ug/l	99
64) Tetrachloroethene	10.86	164	342569	155.470	ug/l	99
65) Chlorobenzene	11.66	112	1043962	155.996	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	371742	159.228	ug/l	98
67) Ethyl Benzene	11.73	91	2053590	159.299	ug/l	99
68) m/p-Xylenes	11.84	106	1471891	316.969	ug/l	98
69) o-Xylene	12.16	106	690211	160.595	ug/l	99
70) Styrene	12.18	104	1198186	161.065	ug/l	100
71) Bromoform	12.35	173	197218	169.549	ug/l #	99
73) Isopropylbenzene	12.46	105	1889155	159.740	ug/l	98
74) N-amyl acetate	12.27	43	626988	175.475	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	347650	160.345	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	246883m	162.341	ug/l	
77) Bromobenzene	12.75	156	408691	159.737	ug/l	100
78) n-propylbenzene	12.80	91	2308524	159.896	ug/l	99
79) 2-Chlorotoluene	12.89	91	1300480	158.655	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1576853	159.566	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	126924	181.040	ug/l	96
82) 4-Chlorotoluene	12.99	91	1340009	156.128	ug/l	99
83) tert-Butylbenzene	13.21	119	1335217	159.505	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1560184	157.168	ug/l	100
85) sec-Butylbenzene	13.38	105	1884977	157.174	ug/l	100
86) p-Isopropyltoluene	13.50	119	1690912	157.876	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	776853	155.235	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	768328	154.625	ug/l	99
89) n-Butylbenzene	13.82	91	1712618	160.797	ug/l	100
90) Hexachloroethane	14.09	117	309053	164.468	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	677700	154.369	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	61495	168.243	ug/l	98

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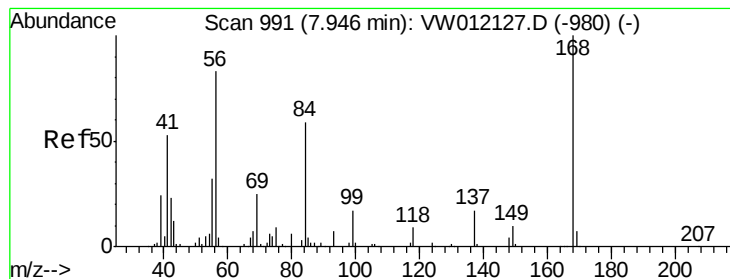
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	515292	169.847	ug/l	99
94) Hexachlorobutadiene	15.24	225	319463	159.472	ug/l	97
95) Naphthalene	15.36	128	990431	186.433	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	446662	168.745	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 243448

Ion Ratio Lower Upper

168 100

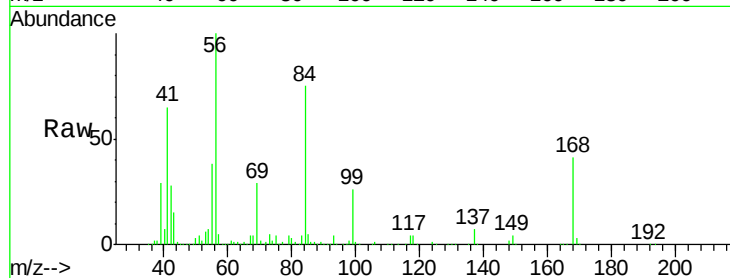
99 62.9 49.2 73.8

Manual Integrations

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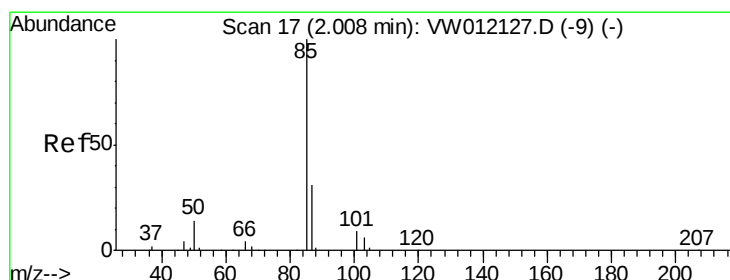
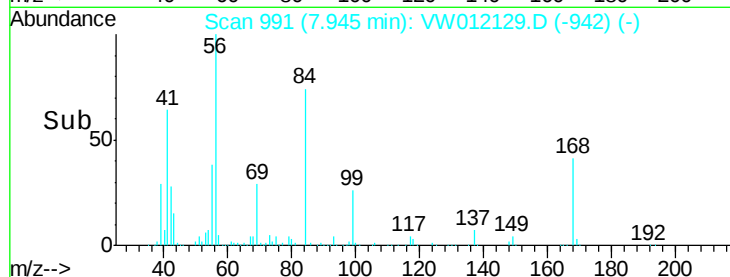
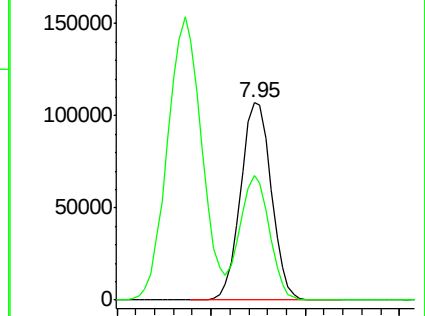
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 175.469 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012129.D

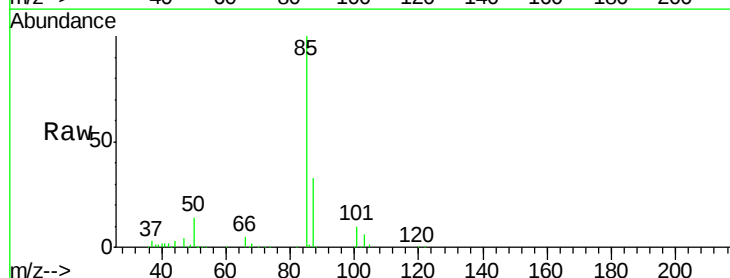
Acq: 23 Aug 2019 11:55

Tgt Ion: 85 Resp: 263028

Ion Ratio Lower Upper

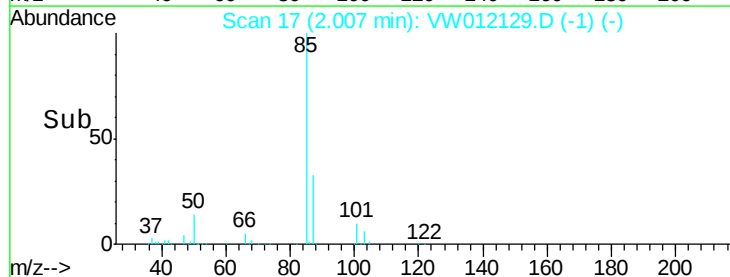
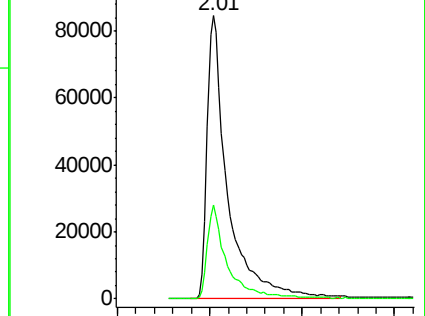
85 100

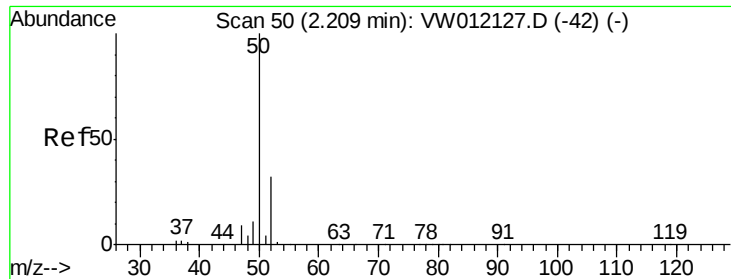
87 33.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 159.556 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 370550

Ion Ratio Lower Upper

50 100

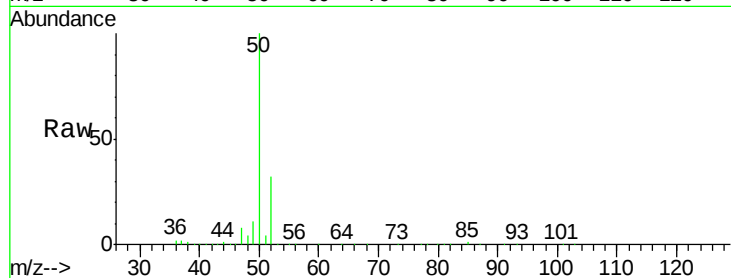
52 32.4 25.5 38.3

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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

200000

150000

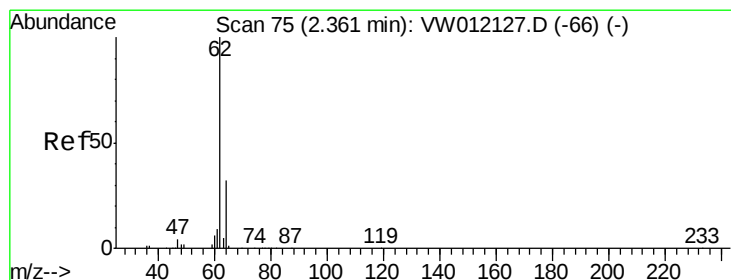
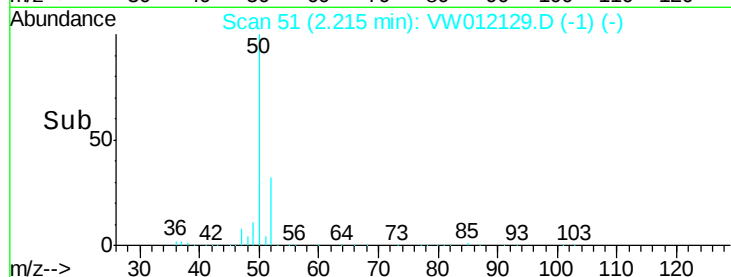
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50000

0

2.15 2.20 2.25 2.30

Time-->



#4

Vinyl Chloride

Concen: 157.126 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012129.D

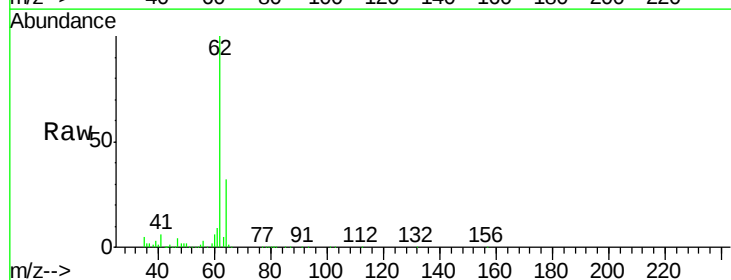
Acq: 23 Aug 2019 11:55

Tgt Ion: 62 Resp: 446630

Ion Ratio Lower Upper

62 100

64 31.7 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

250000

200000

150000

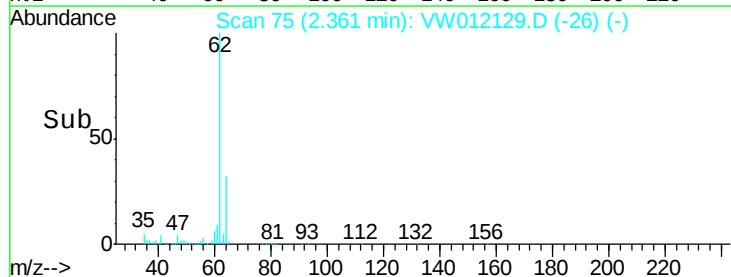
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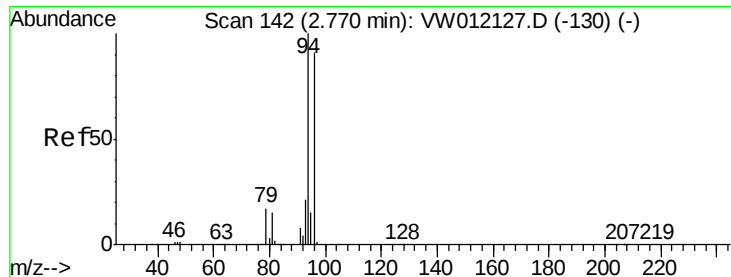
50000

0

2.30 2.40 2.50

Time-->





#5

Bromomethane

Concen: 152.727 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 219860

Ion Ratio Lower Upper

94 100

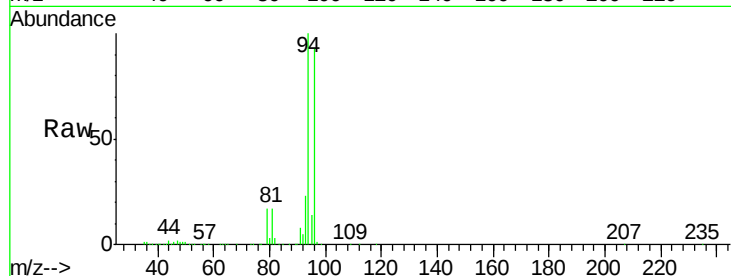
96 92.9 72.9 109.3

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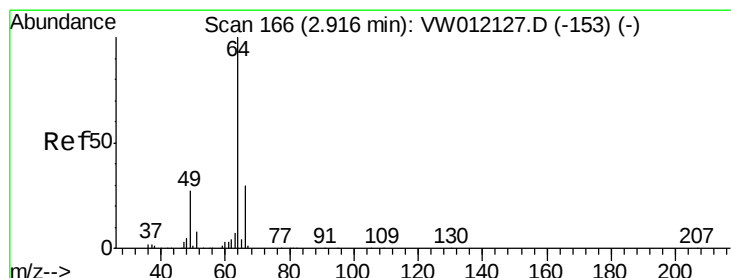
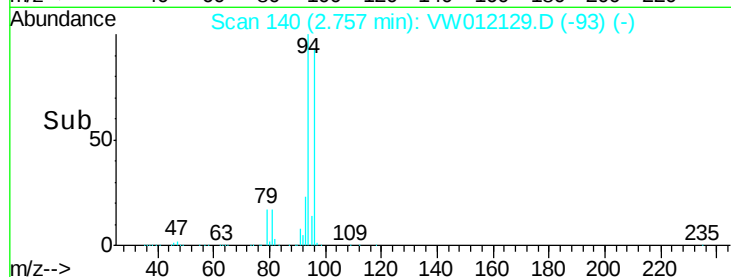
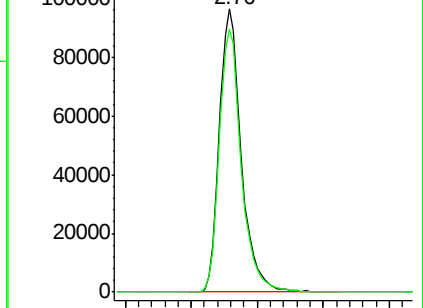
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 160.651 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012129.D

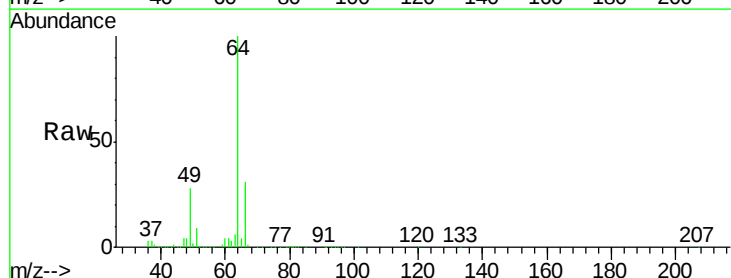
Acq: 23 Aug 2019 11:55

Tgt Ion: 64 Resp: 257606

Ion Ratio Lower Upper

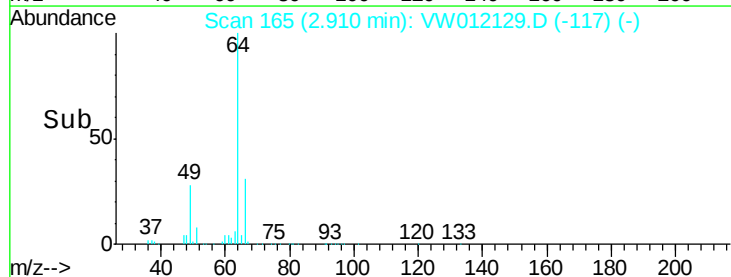
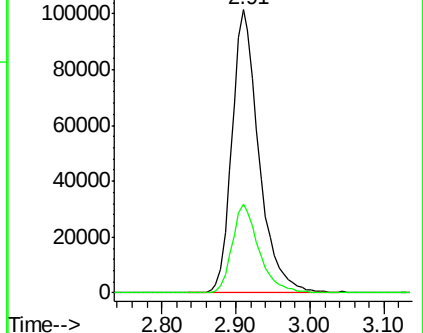
64 100

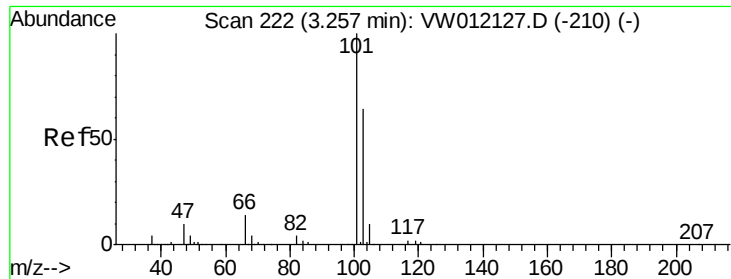
66 31.3 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

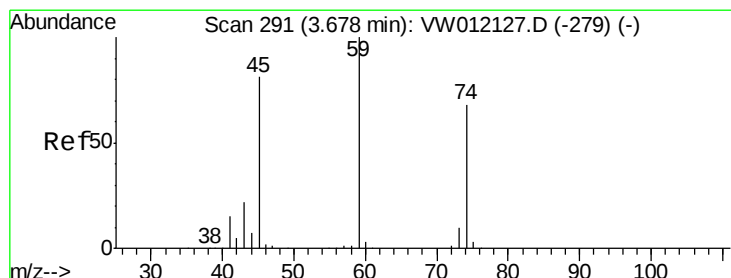
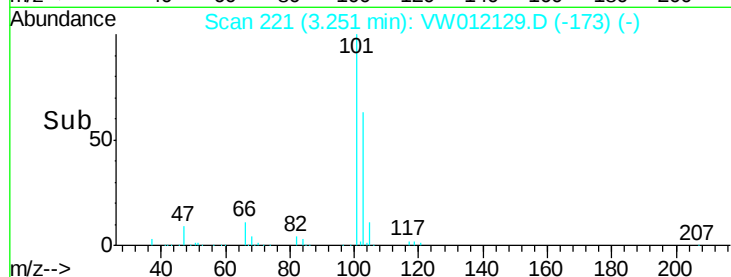
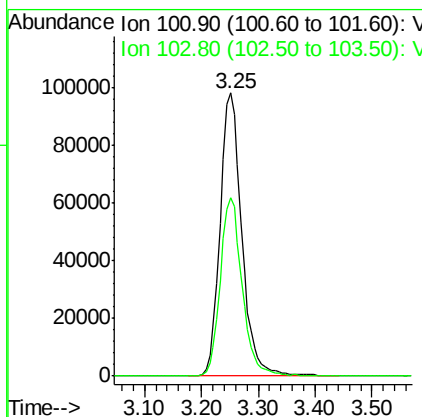
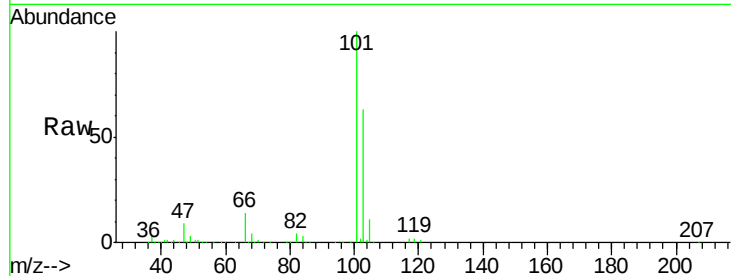
Trichlorofluoromethane
 Concen: 182.304 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
260203	101	100			
	103	63.2	51.2	76.8	

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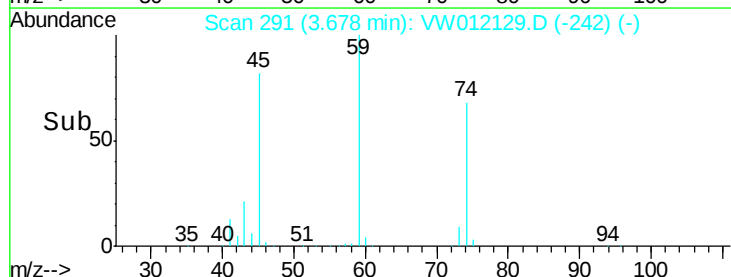
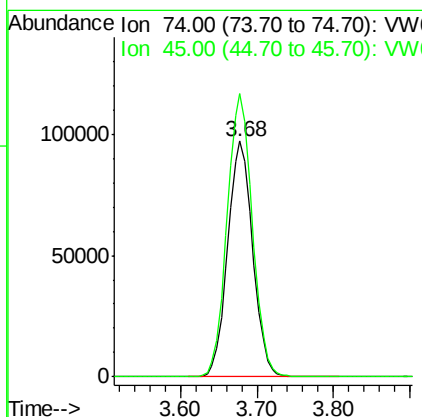
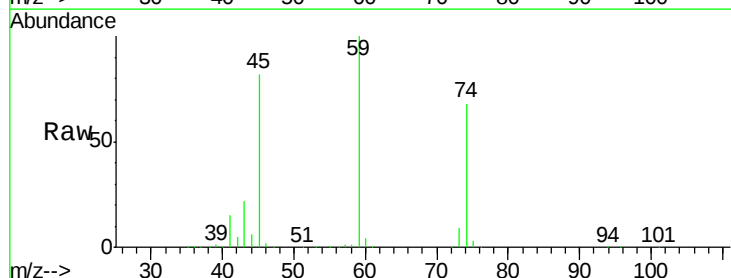
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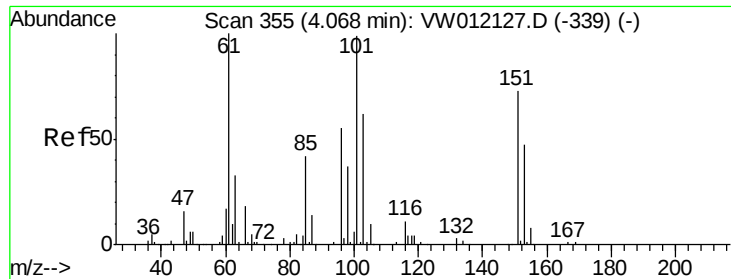


#8

Diethyl Ether
 Concen: 162.145 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
219671	74	100			
	45	120.6	59.2	177.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 155.394 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

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ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 377005

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.6

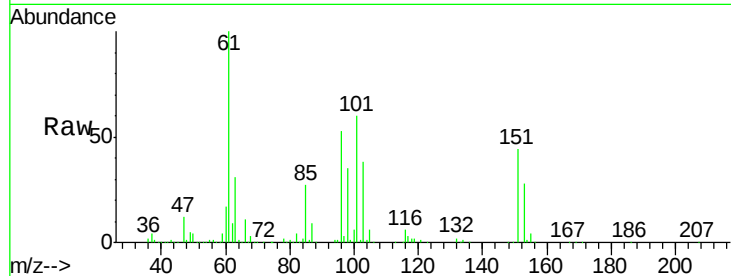
151 74.4 58.6 87.8

Manual Integrations

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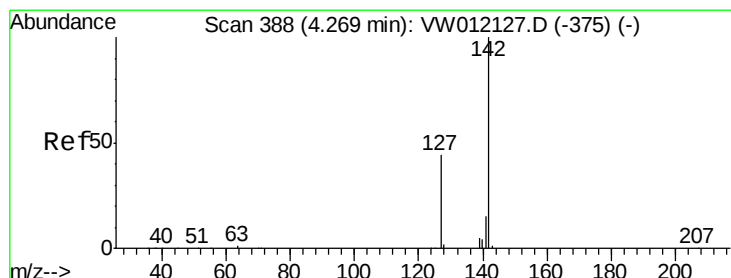
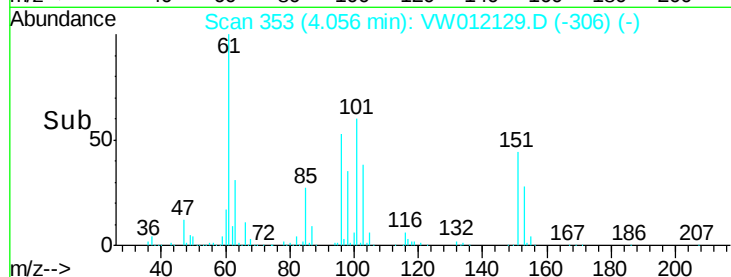
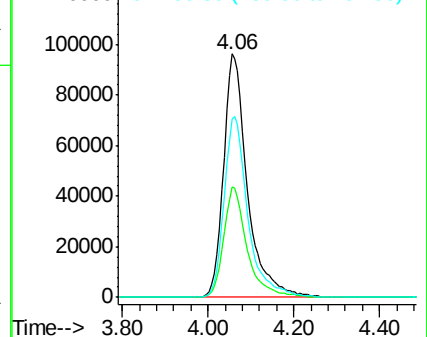
8/26/2019 11:39:15 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 161.797 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

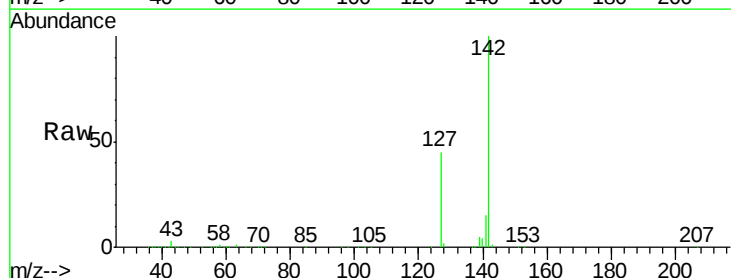
Tgt Ion:142 Resp: 531116

Ion Ratio Lower Upper

142 100

127 44.0 35.5 53.3

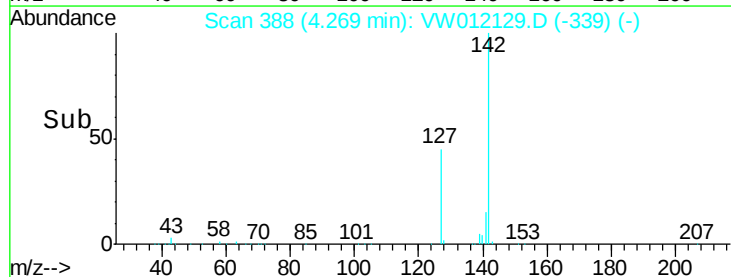
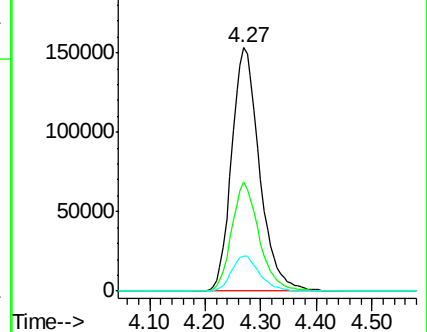
141 14.8 11.8 17.8

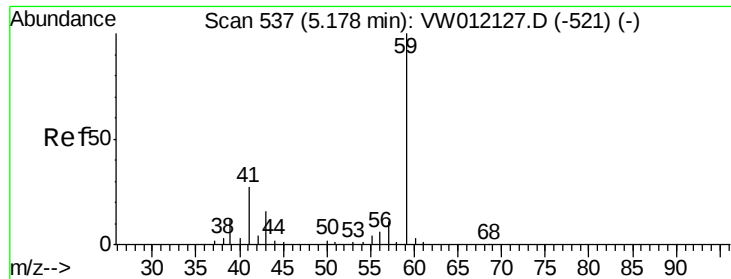


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





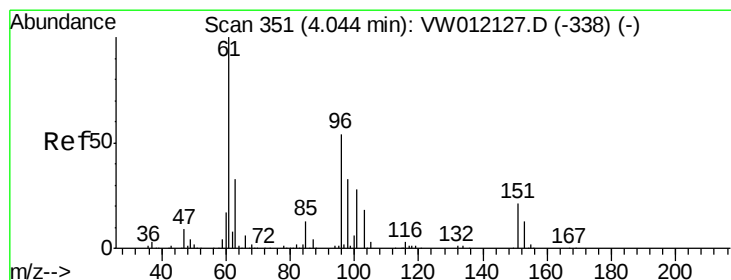
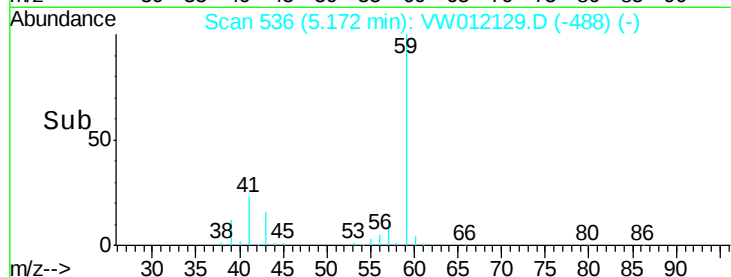
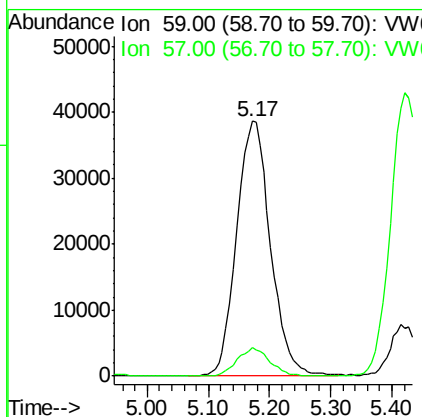
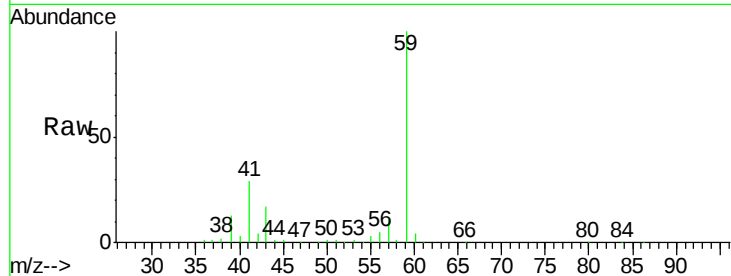
#11
Tert butyl alcohol
Concen: 841.526 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	9.0	13.4

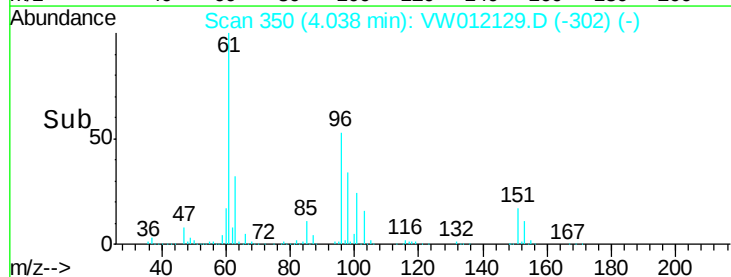
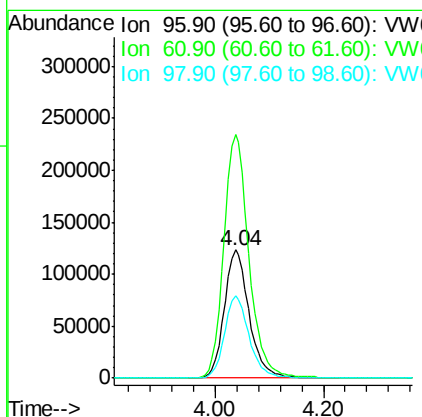
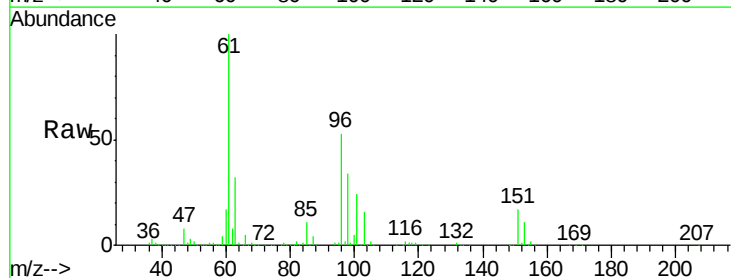
Manual Integrations
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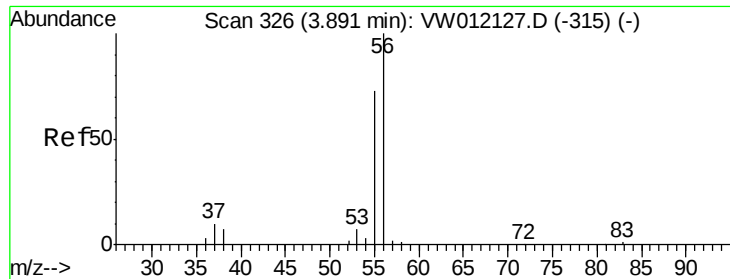
MMDadoda
8/26/2019 11:39:15 AM



#12
1,1-Dichloroethene
Concen: 160.633 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.2	149.1	223.7
98	63.9	49.4	74.2





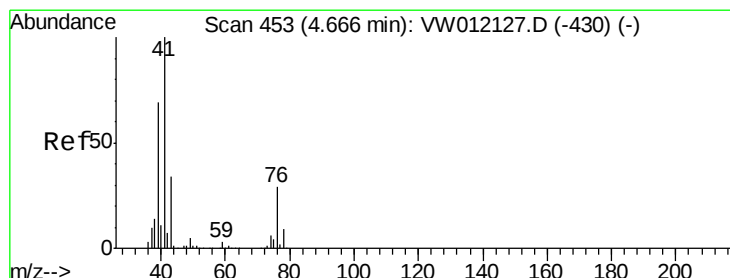
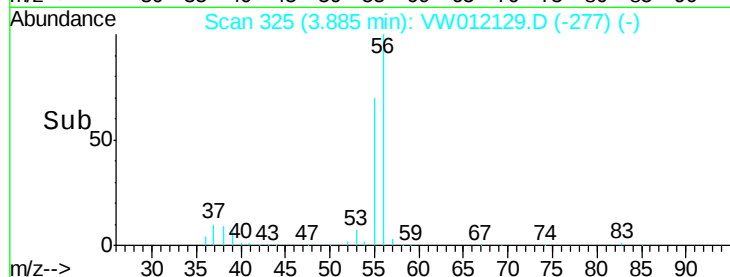
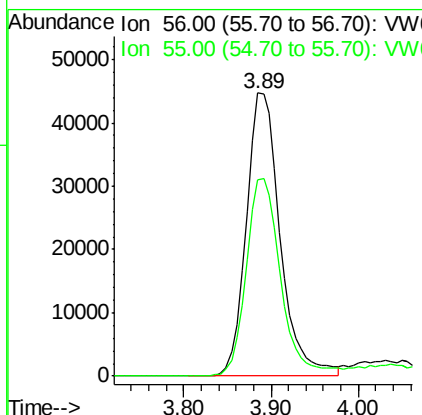
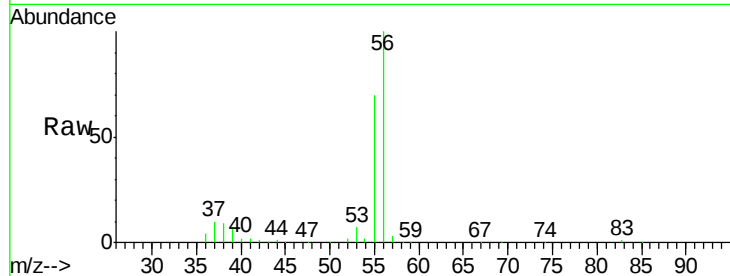
#13
Acrolein
Concen: 736.184 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	56	Resp	120690
Ion Ratio	100	Lower	Upper
56	100		
55	71.5	55.8	83.8

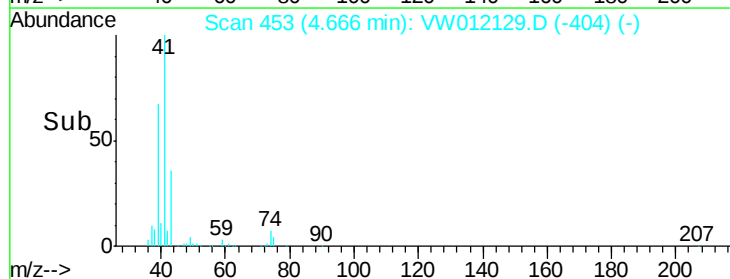
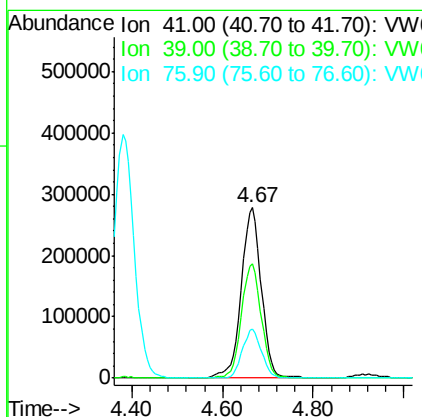
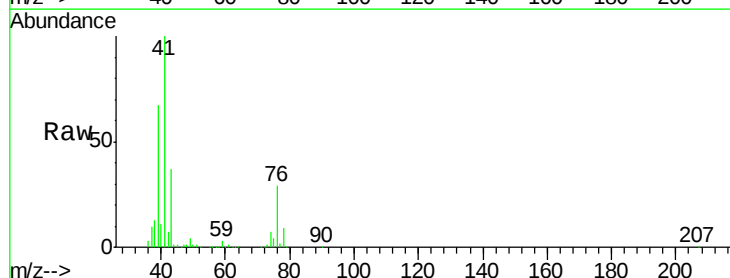
Manual Integrations
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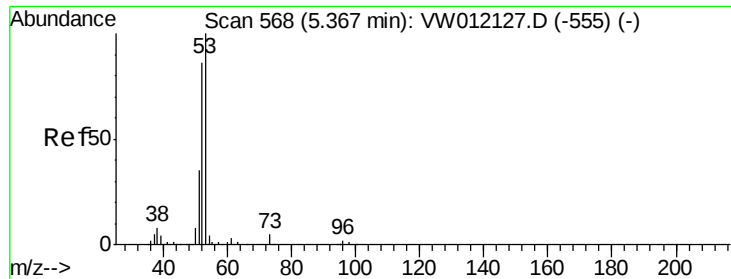
MMDadoda
8/26/2019 11:39:15 AM



#14
Allyl chloride
Concen: 163.937 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion	41	Resp	855818
Ion Ratio	100	Lower	Upper
41	100		
39	65.9	53.4	80.2
76	27.2	22.1	33.1





#15

Acrylonitrile

Concen: 824.026 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

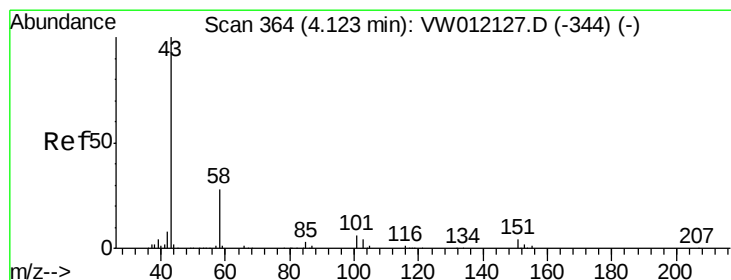
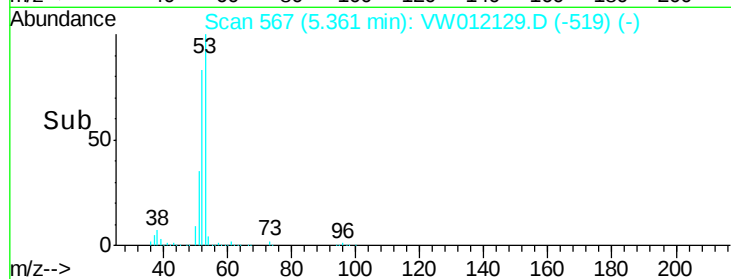
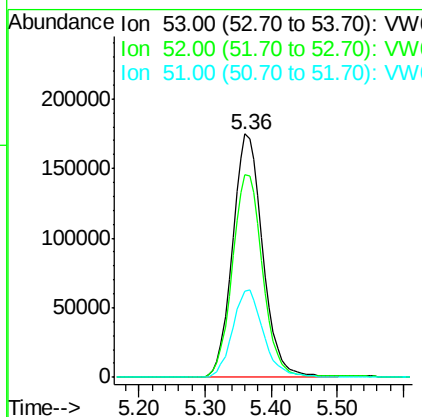
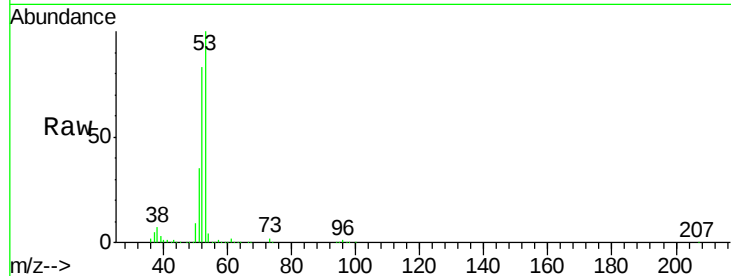
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	553344
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.7	100.1
51	36.7	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 831.354 ug/l

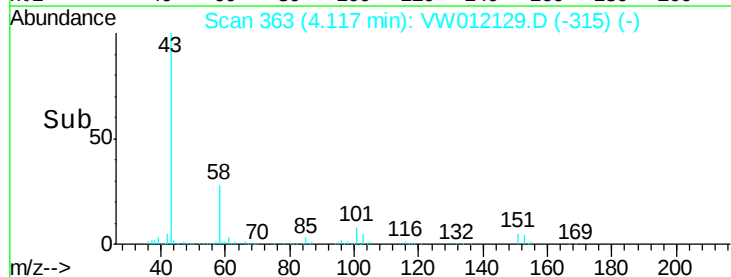
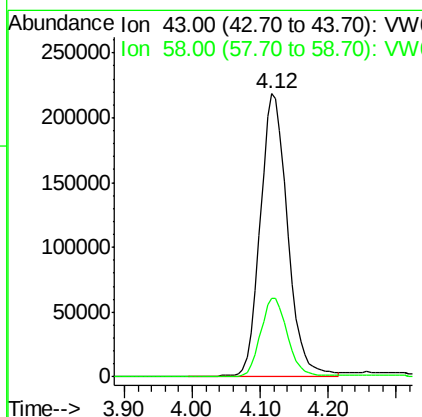
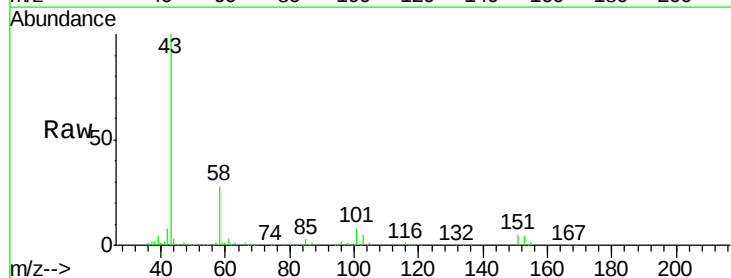
RT: 4.12 min Scan# 363

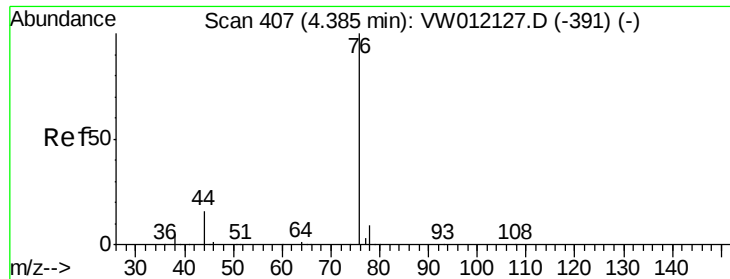
Delta R.T. -0.01 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Tgt Ion:	43	Resp:	615009
Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.4	33.6





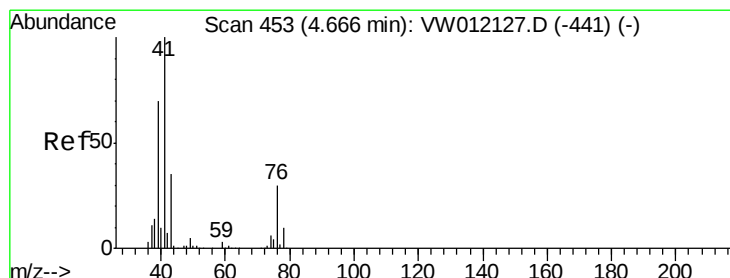
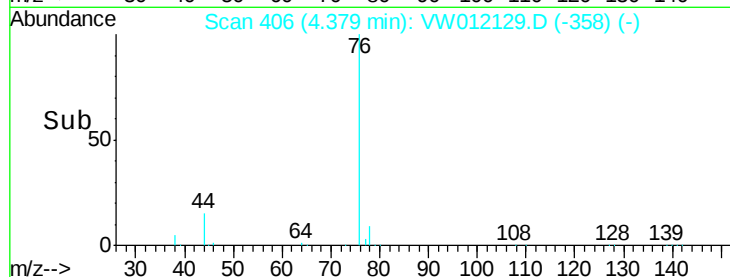
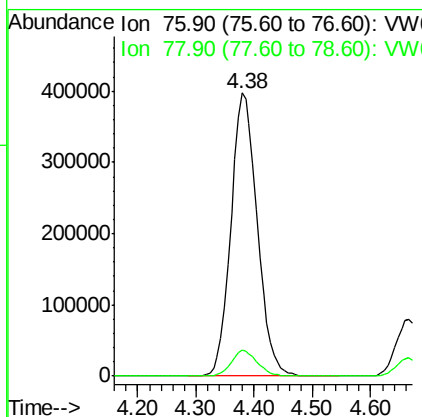
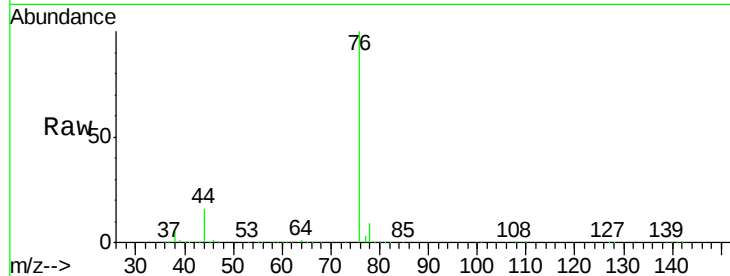
#17
Carbon Disulfide
Concen: 168.858 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1246152
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

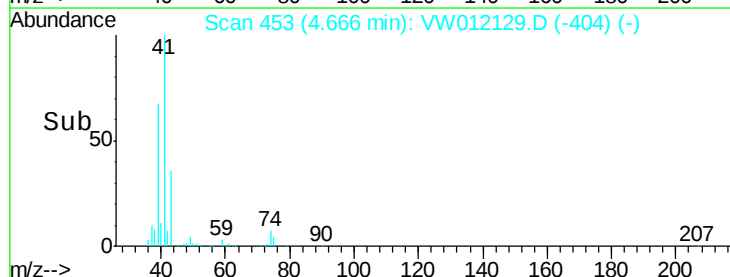
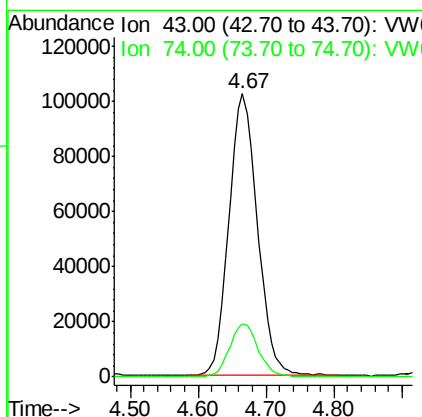
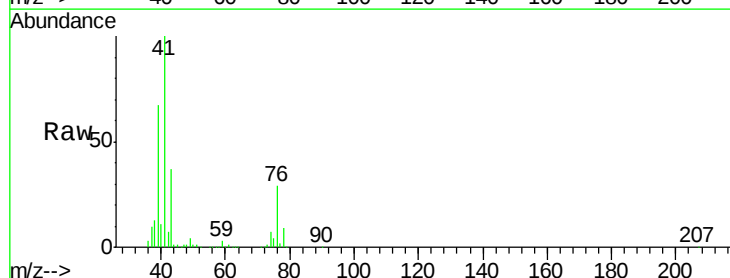
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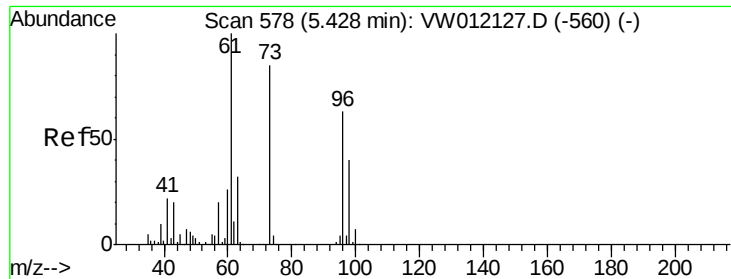
MMDadoda
8/26/2019 11:39:15 AM



#18
Methyl Acetate
Concen: 162.464 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion: 43 Resp: 297679
Ion Ratio Lower Upper
43 100
74 19.0 15.7 23.5





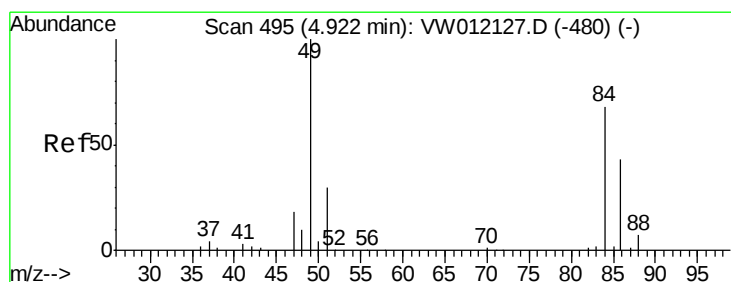
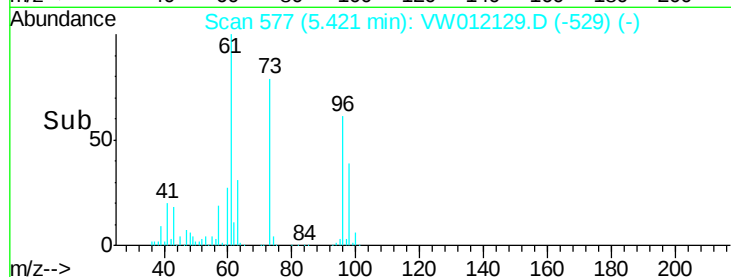
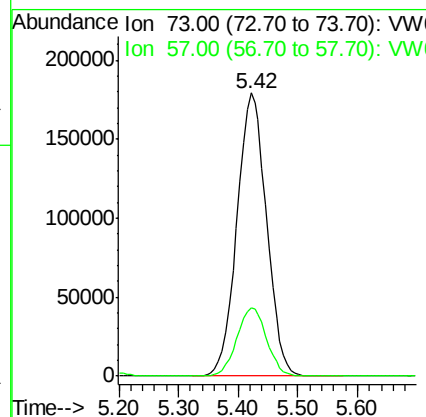
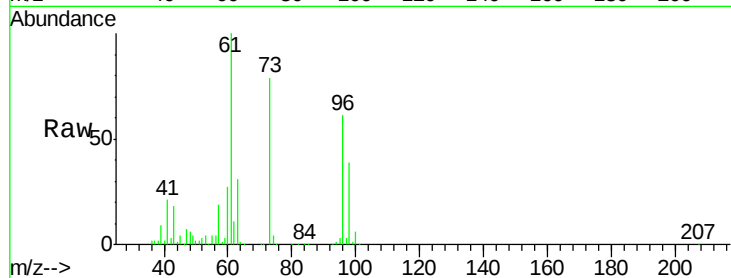
#19
Methvl tert-butvl Ether
Concen: 156.351 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	18.9	28.3

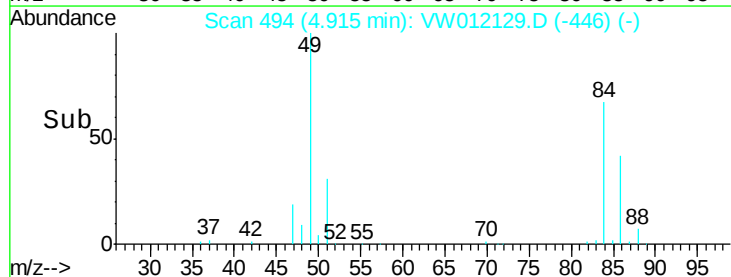
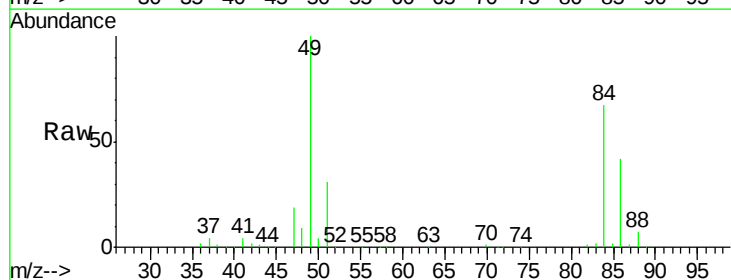
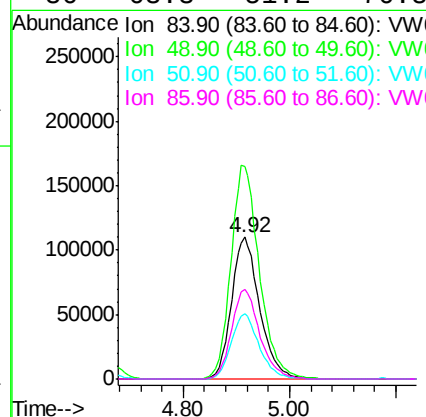
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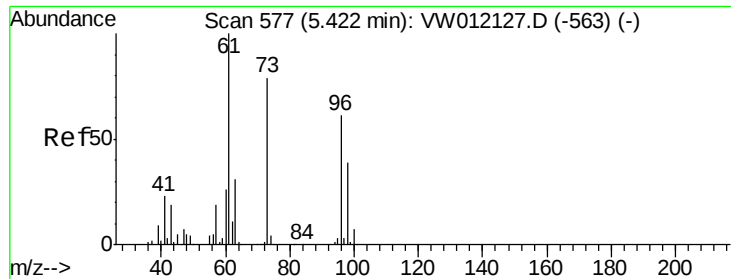
MMDadoda
8/26/2019 11:39:15 AM



#20
Methylene Chloride
Concen: 145.366 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.3	117.8	176.8
51	46.0	35.6	53.4
86	63.3	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 159.538 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 417762

Ion Ratio Lower Upper

96 100

61 163.9 131.4 197.0

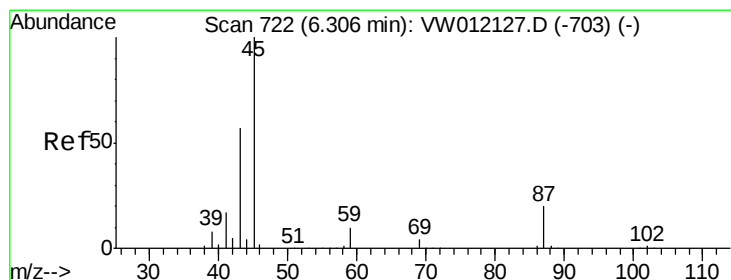
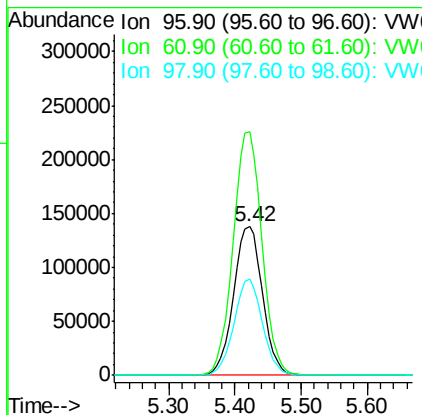
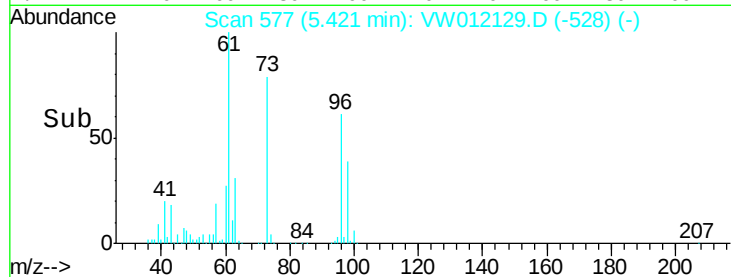
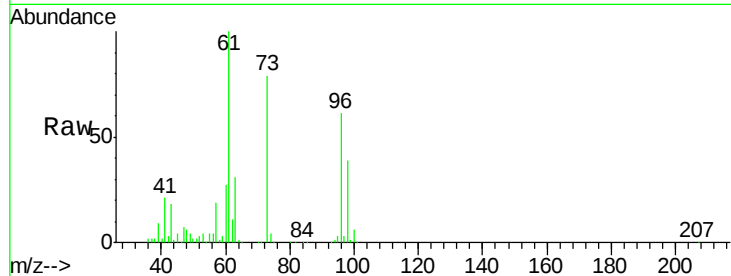
98 64.6 51.4 77.0

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#22

Diisopropyl ether

Concen: 156.415 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Tgt Ion: 45 Resp: 1513558

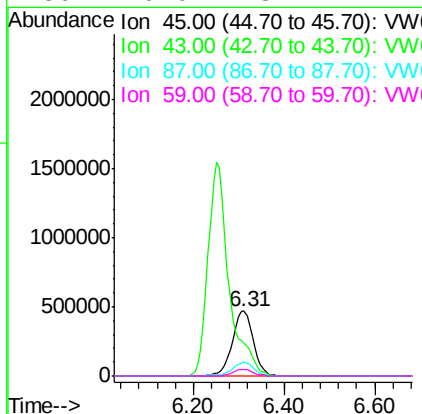
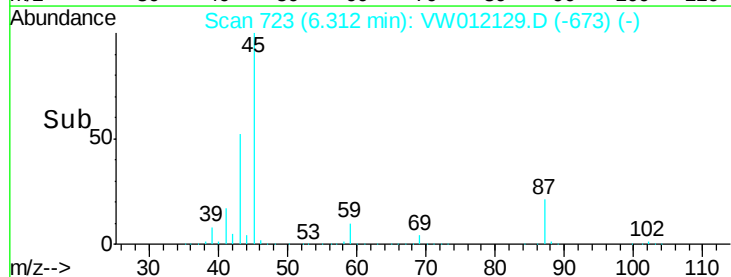
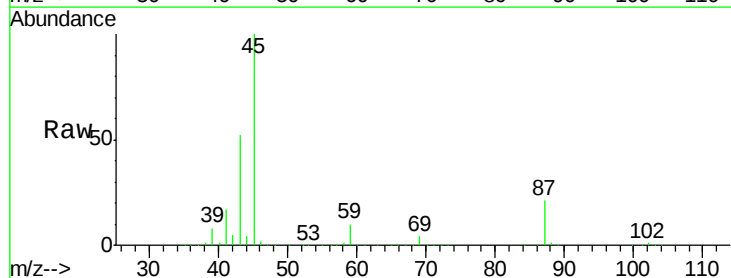
Ion Ratio Lower Upper

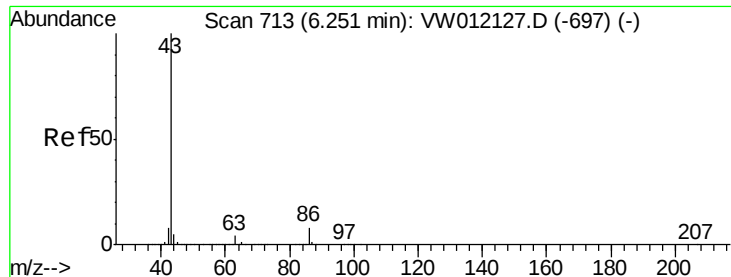
45 100

43 51.5 45.5 68.3

87 21.1 16.1 24.1

59 10.0 8.2 12.2





#23

Vinyl Acetate

Concen: 840.494 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 5005218

Ion Ratio Lower Upper

43 100

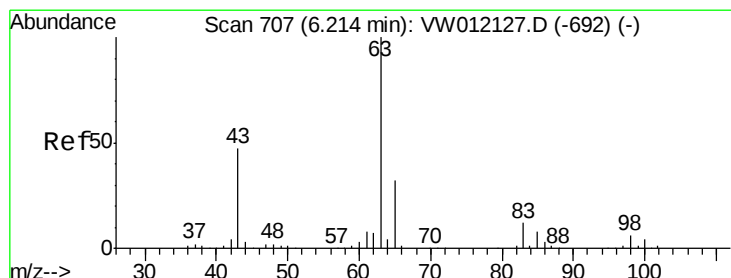
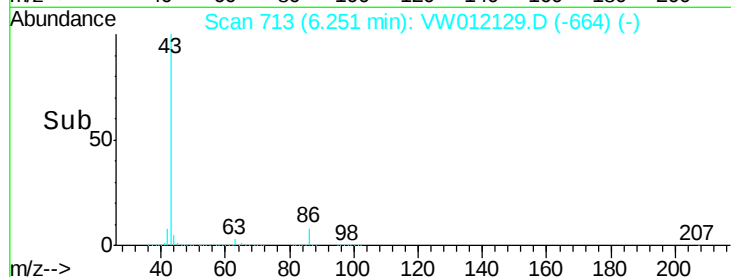
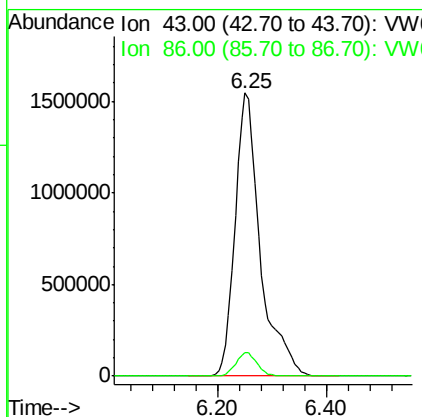
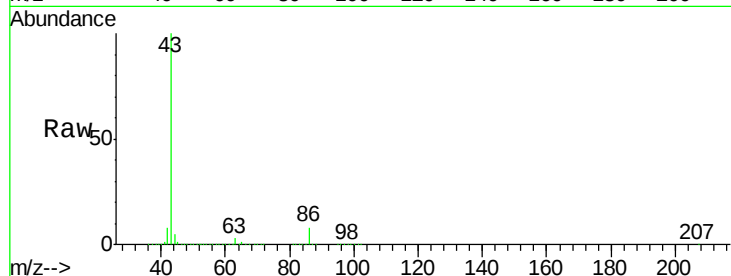
86 8.2 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 158.467 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

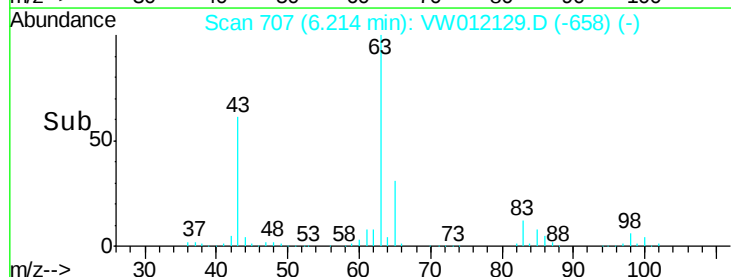
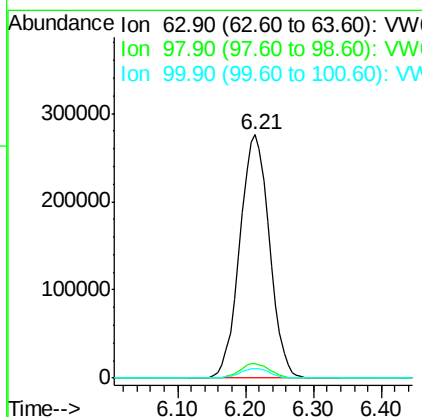
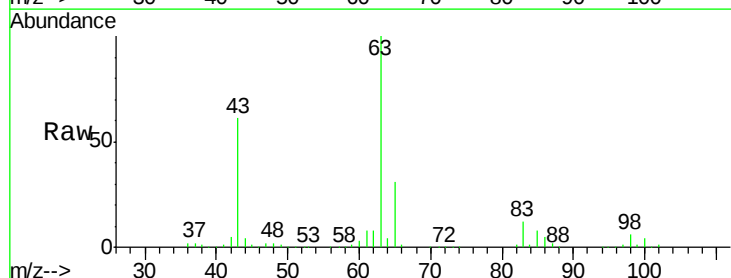
Tgt Ion: 63 Resp: 834916

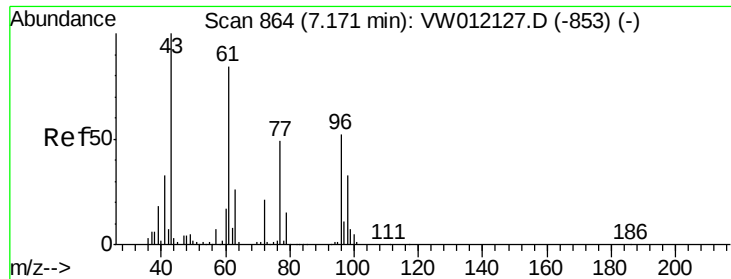
Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 851.157 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 855633

Ion Ratio Lower Upper

43 100

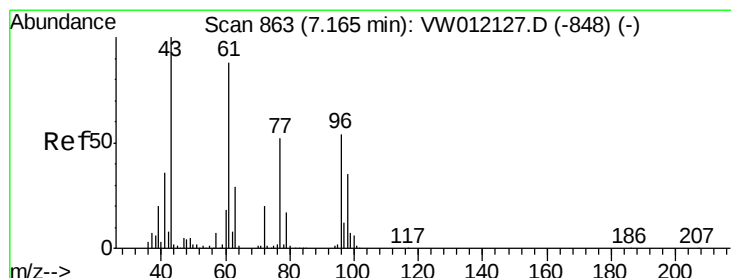
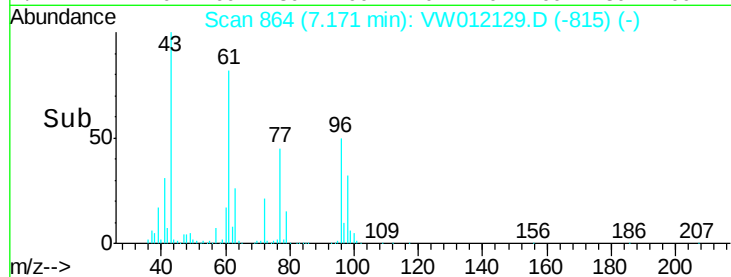
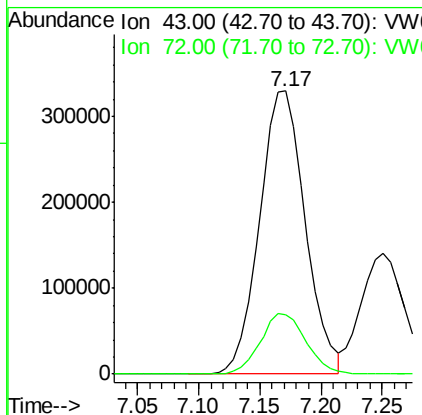
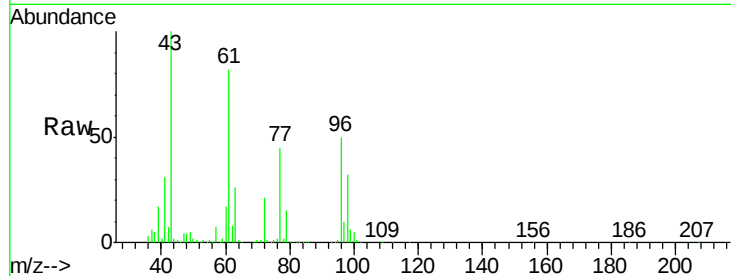
72 20.9 16.6 24.8

Manual Integrations

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8/26/2019 11:39:15 AM



#26

2,2-Dichloropropane

Concen: 152.120 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012129.D

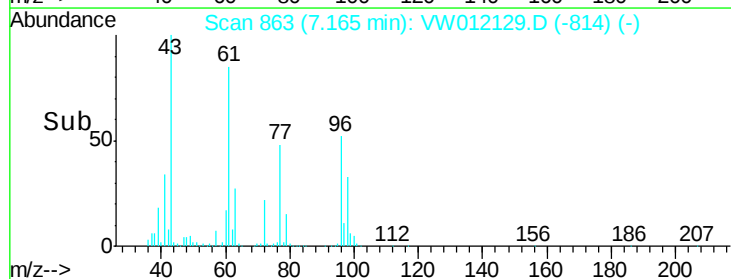
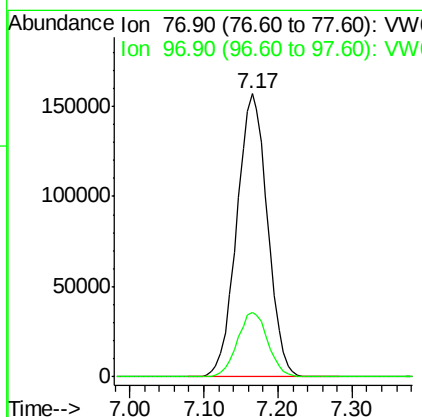
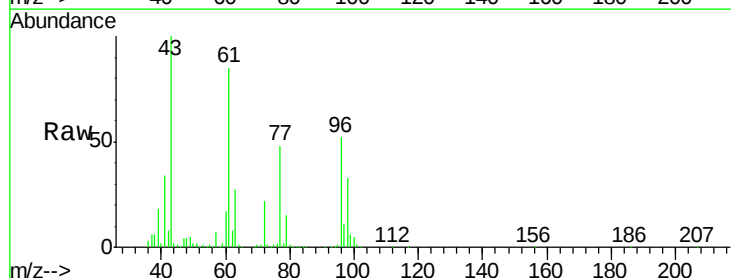
Acq: 23 Aug 2019 11:55

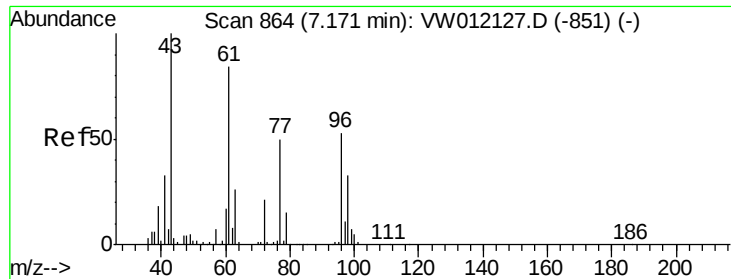
Tgt Ion: 77 Resp: 453645

Ion Ratio Lower Upper

77 100

97 22.6 11.1 33.1





#27

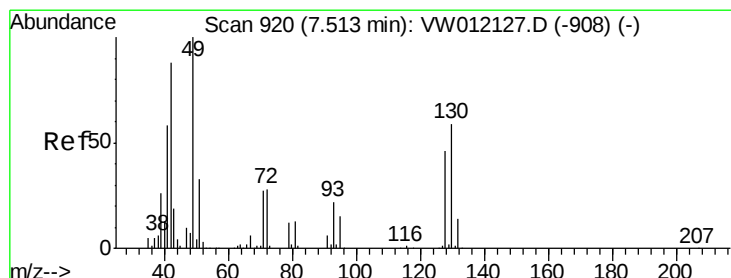
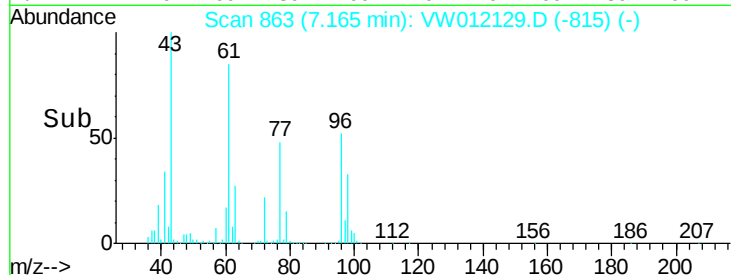
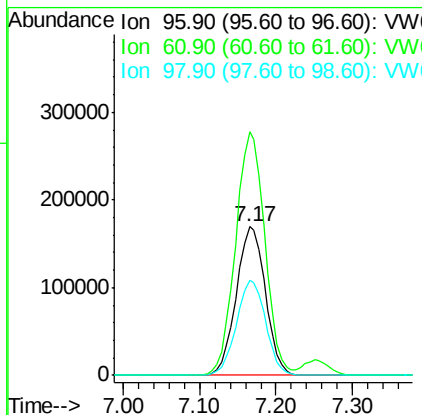
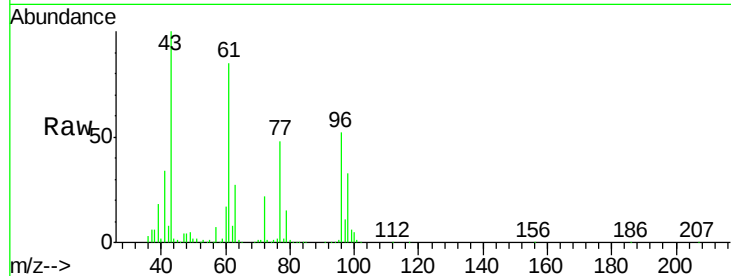
cis-1,2-Dichloroethene
Concen: 160.172 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	448114		
61	164.2	0.0	326.6	
98	63.8	0.0	127.4	

Manual Integrations
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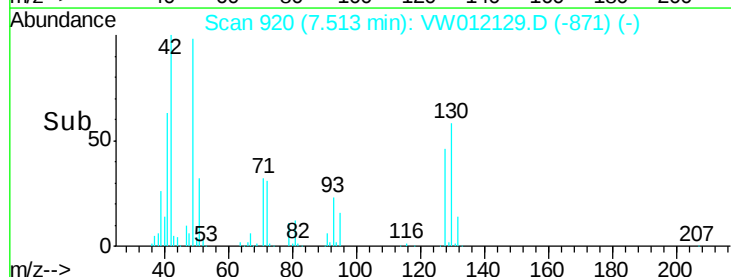
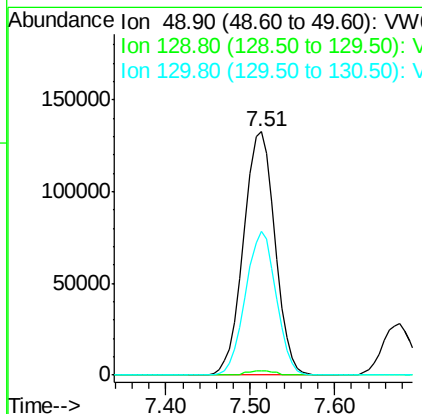
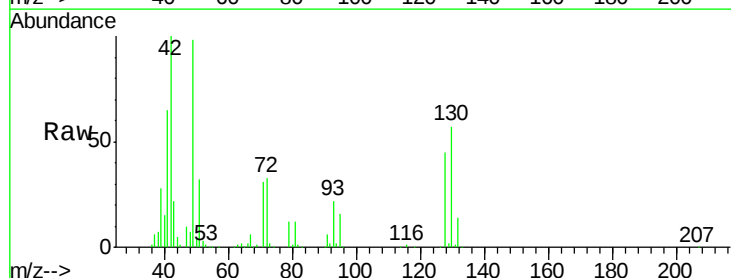
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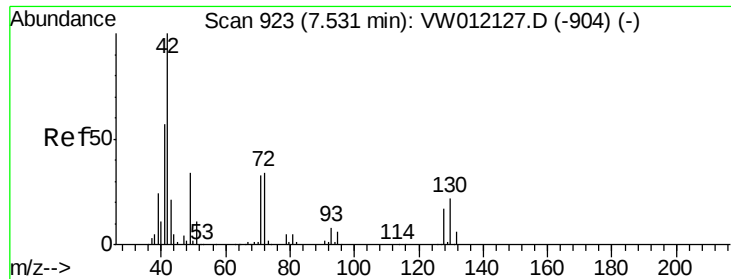


#28

Bromochloromethane
Concen: 145.664 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	334498		
129	1.6	0.0	1.4#	
130	57.6	45.5	68.3	





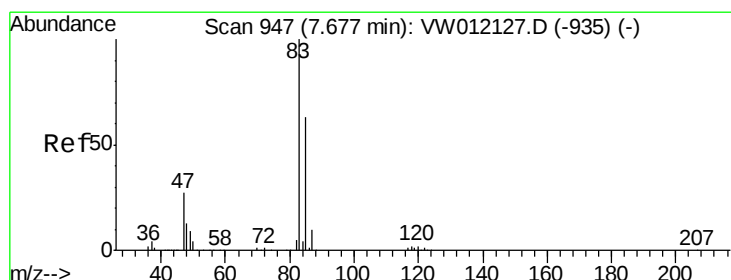
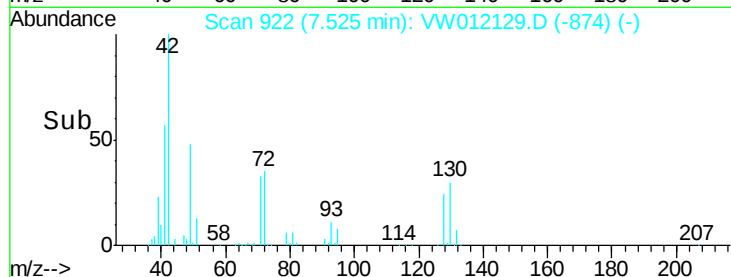
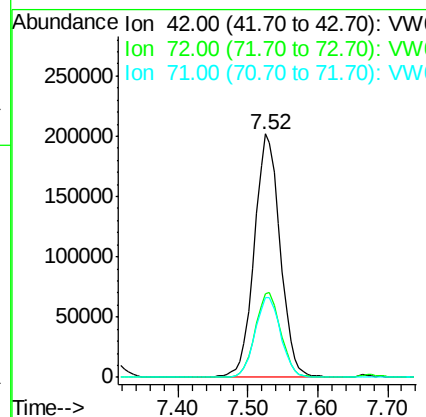
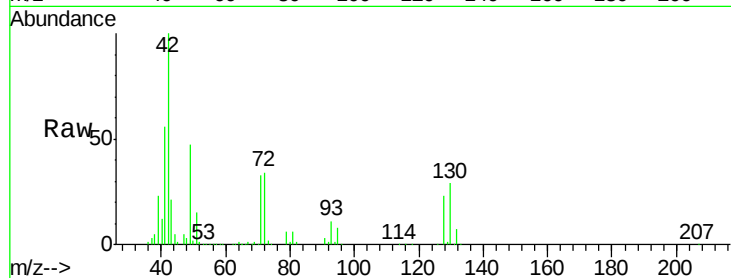
#29
Tetrahydrofuran
Concen: 857.571 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.4	27.3	40.9
71	32.7	25.5	38.3

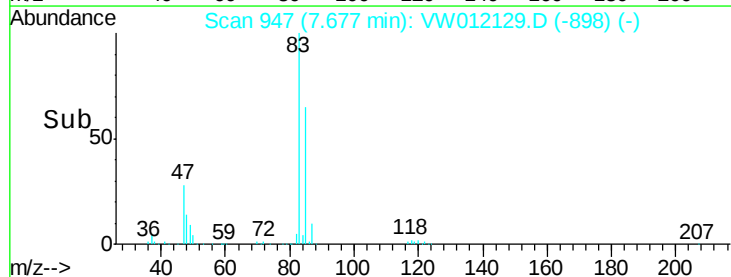
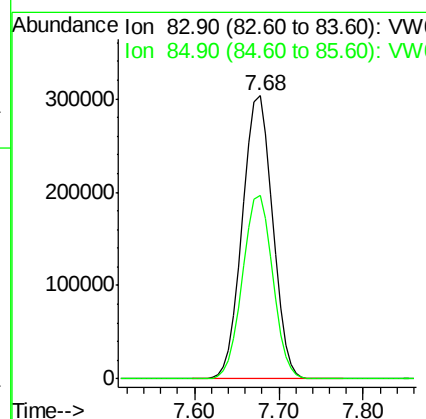
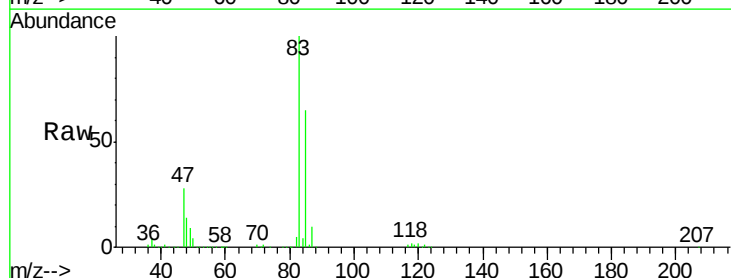
Manual Integrations
APPROVED

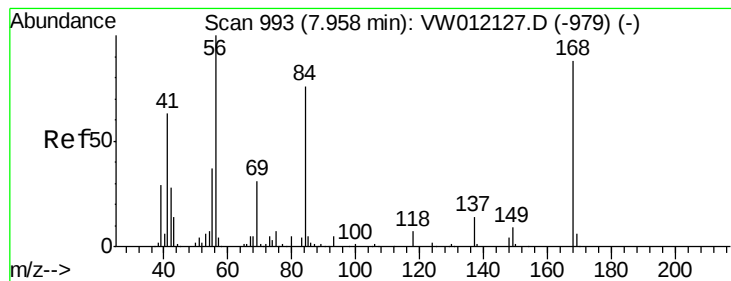
MMDadoda
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#30
Chloroform
Concen: 152.823 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.6	76.0





#31

Cvclohexane

Concen: 150.084 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

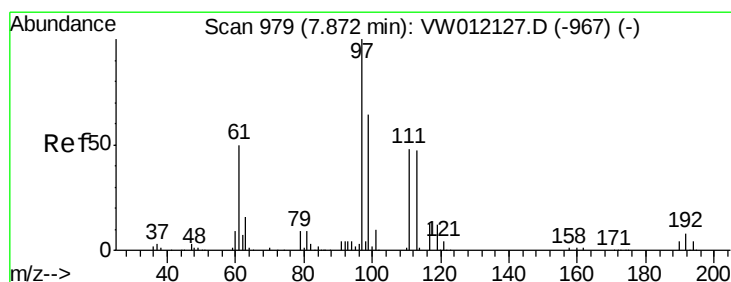
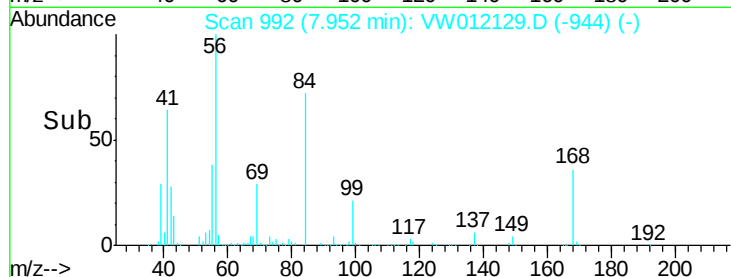
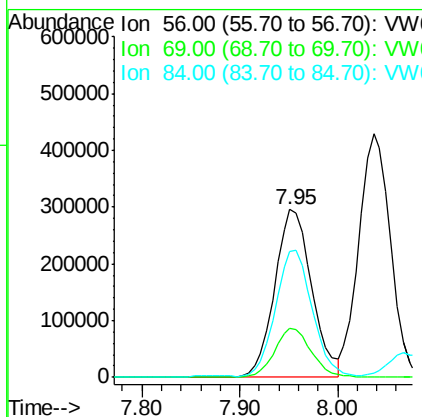
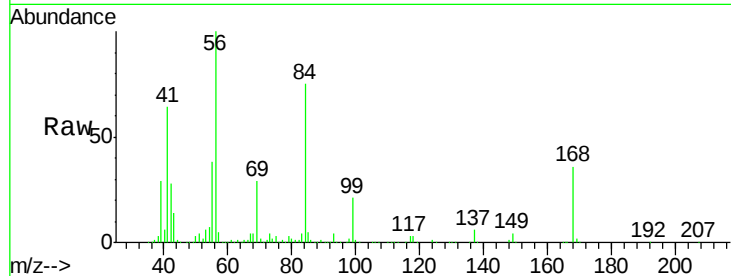
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	782342
Ion Ratio		Lower	Upper
56	100		
69	29.1	24.9	37.3
84	74.9	60.6	90.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 157.812 ug/l

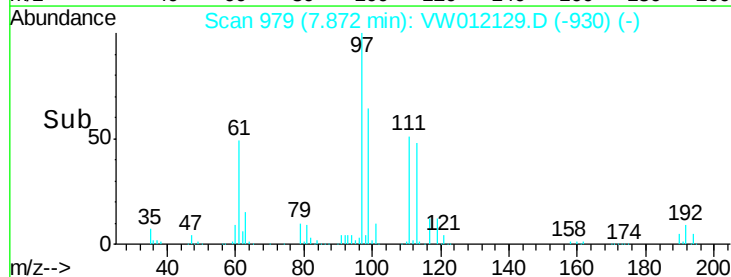
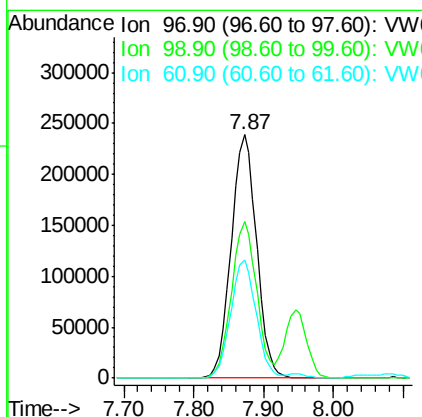
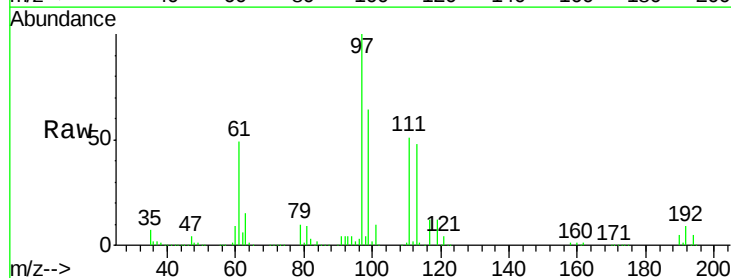
RT: 7.87 min Scan# 979

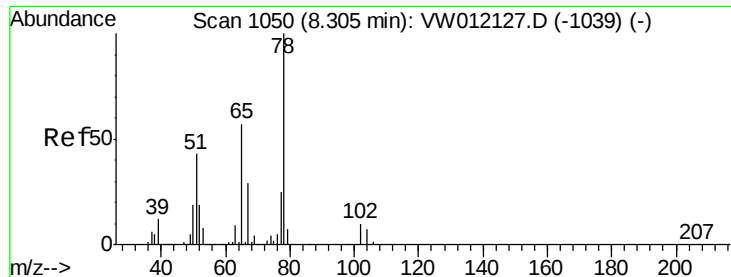
Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Tgt Ion:	97	Resp:	601778
Ion Ratio		Lower	Upper
97	100		
99	64.3	51.4	77.0
61	49.0	39.5	59.3





#33

1,2-Dichloroethane-d4

Concen: 150.771 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 436333

Ion Ratio Lower Upper

65 100

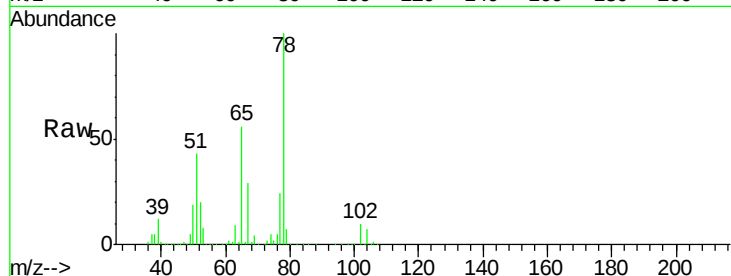
67 51.9 0.0 102.6

Manual Integrations

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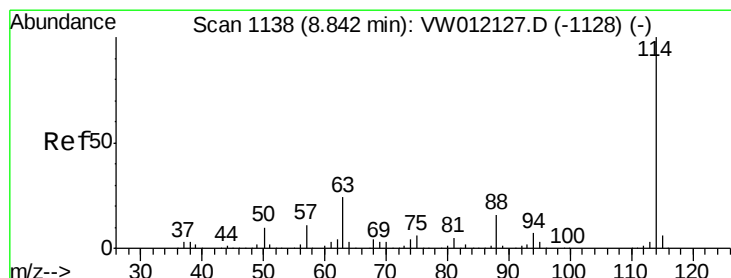
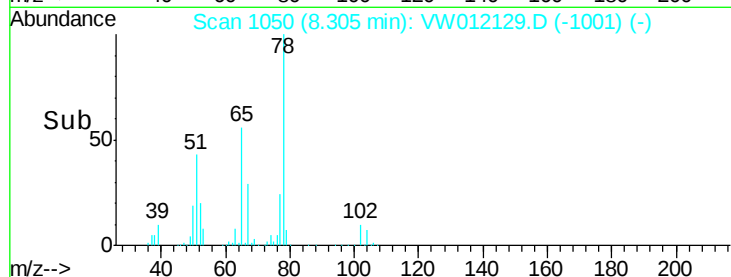
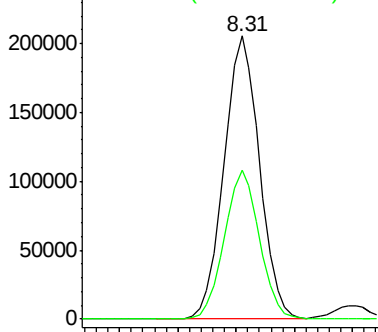
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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

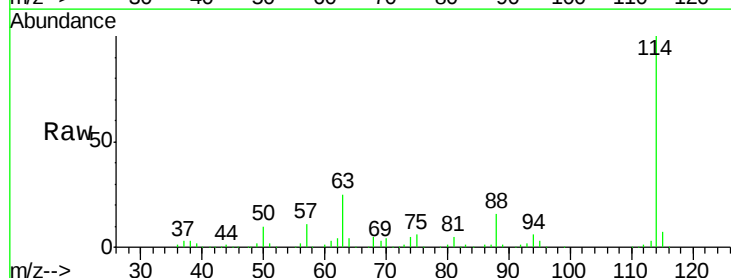
Tgt Ion: 114 Resp: 391717

Ion Ratio Lower Upper

114 100

63 25.0 0.0 48.6

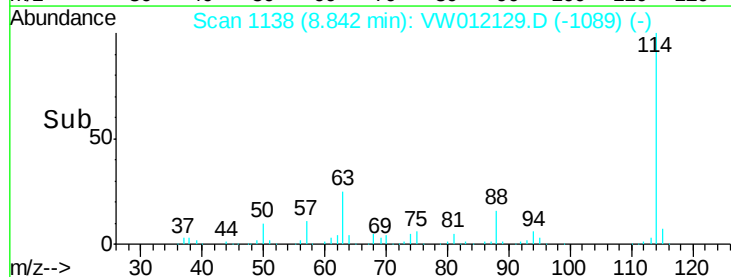
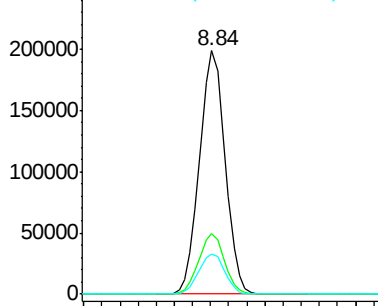
88 16.4 0.0 32.2

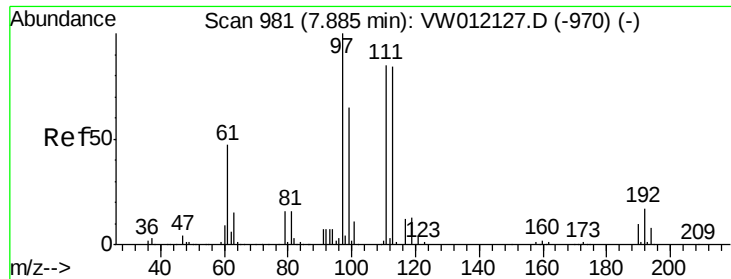


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





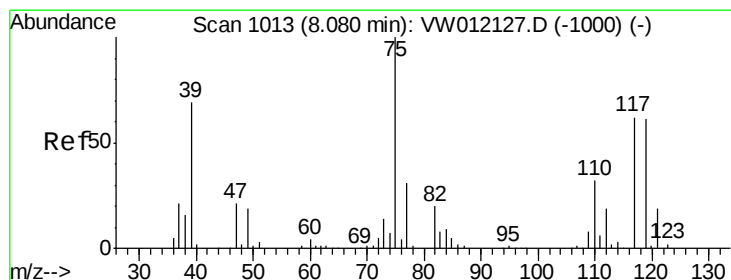
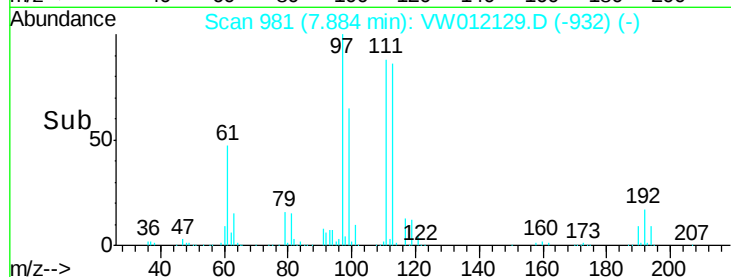
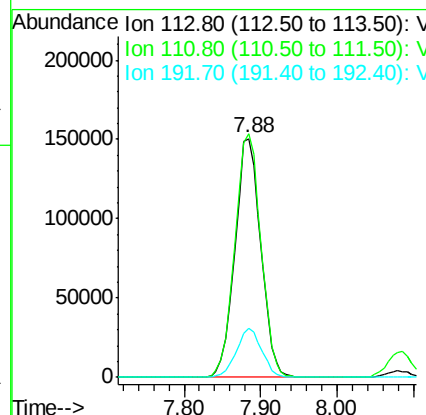
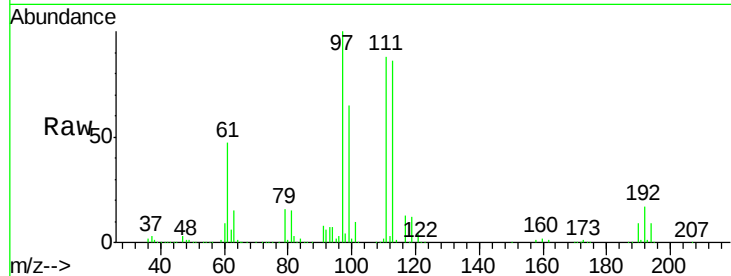
#35
 Dibromofluoromethane
 Concen: 150.413 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	351691		
111	102.9	82.7	124.1	
192	20.0	16.2	24.2	

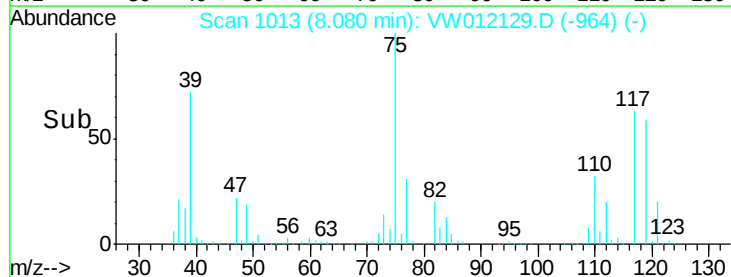
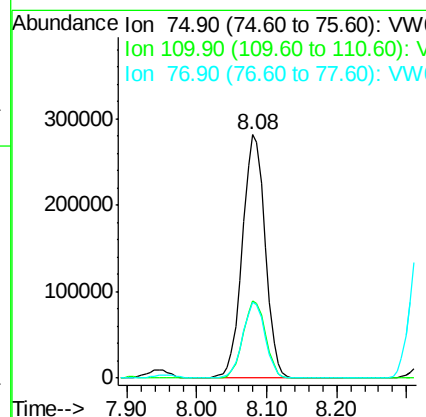
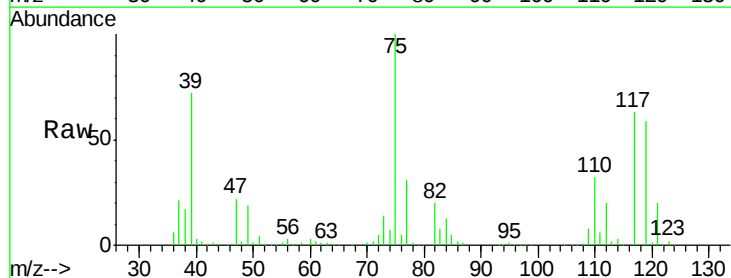
Manual Integrations
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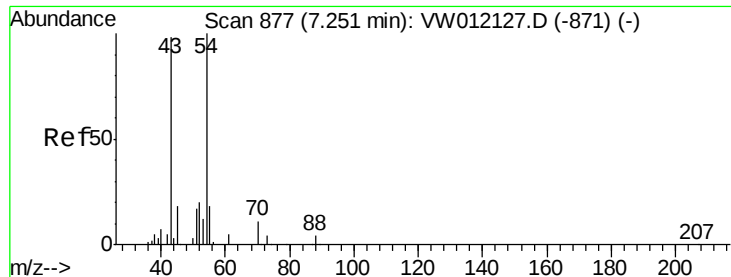
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 8/26/2019 11:39:15 AM



#36
 1,1-Dichloropropene
 Concen: 157.173 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	636229		
110	31.4	15.6	46.8	
77	30.7	24.6	36.8	





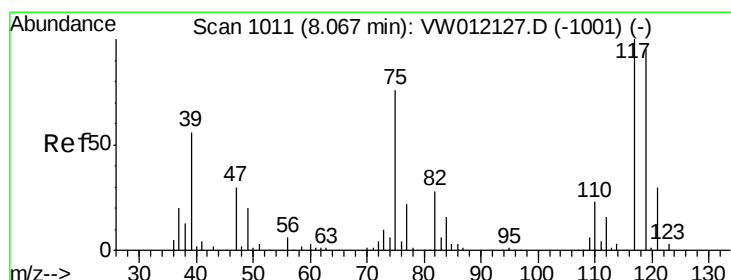
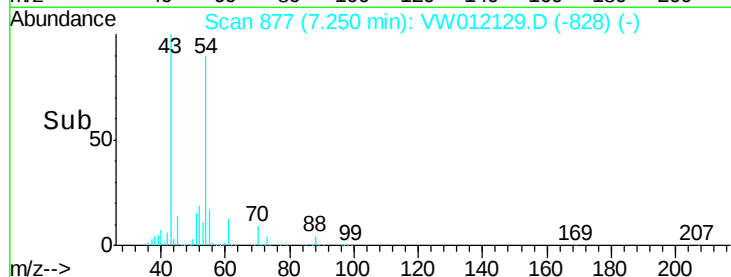
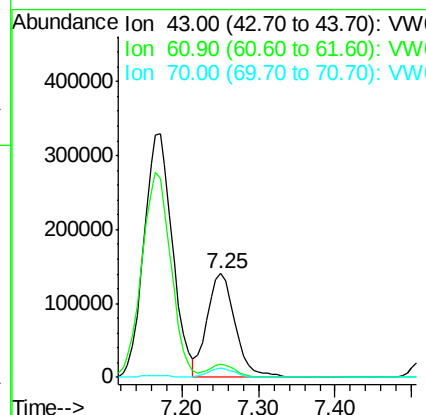
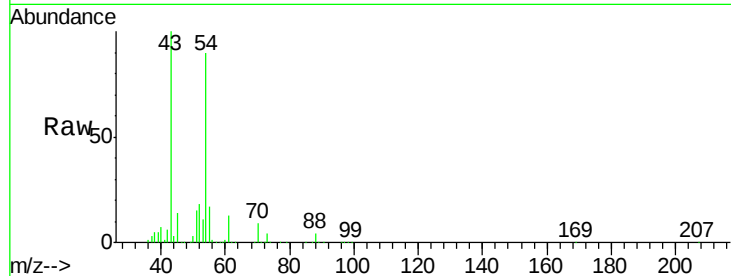
#37
Ethyl Acetate
Concen: 161.739 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	11.9	9.2	13.8	
70	8.7	6.9	10.3	

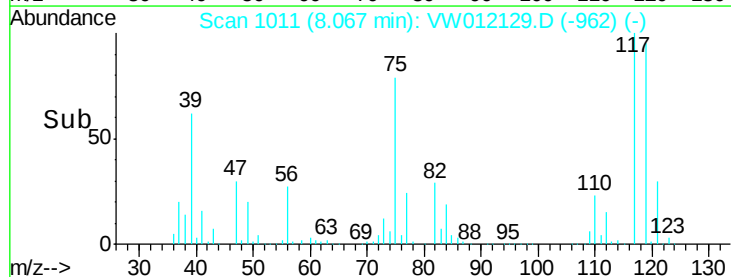
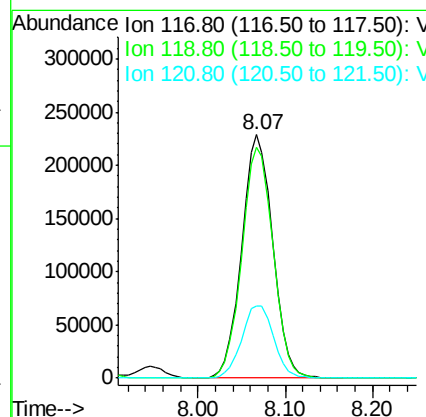
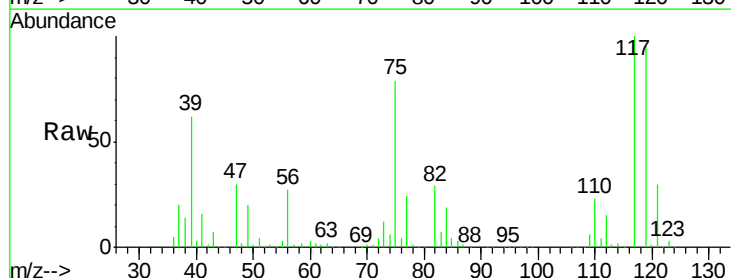
Manual Integrations
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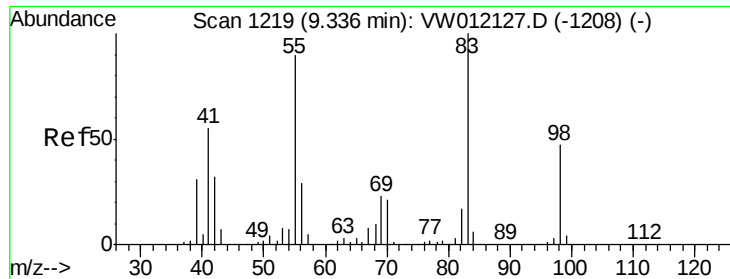
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#38
Carbon Tetrachloride
Concen: 160.457 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.0	76.2	114.2	
121	29.7	23.8	35.8	





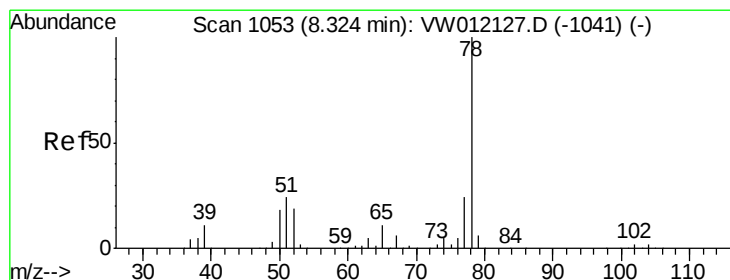
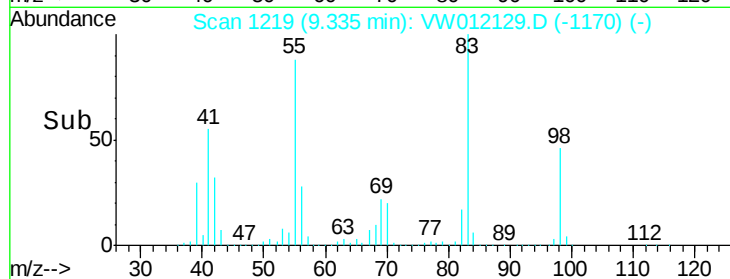
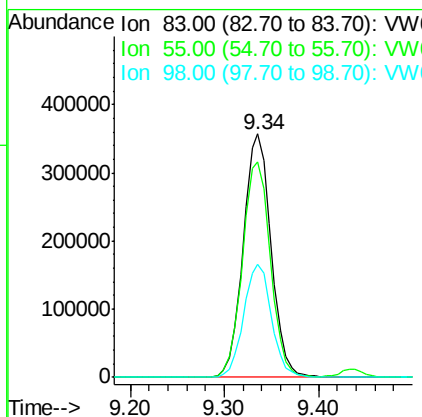
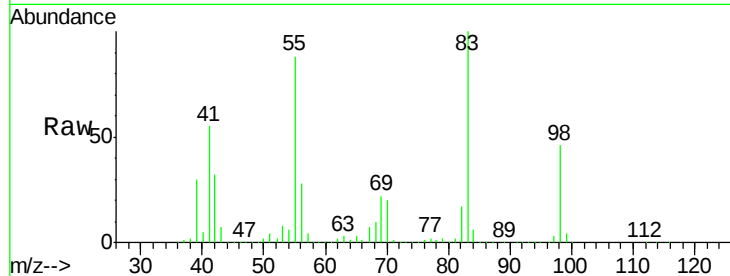
#39
Methvlcvclohexane
Concen: 162.322 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.3	71.8	107.8
98	46.2	37.8	56.8

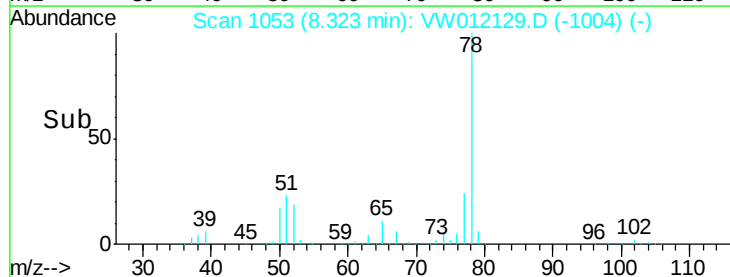
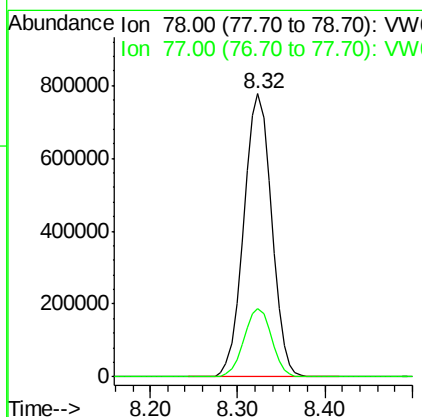
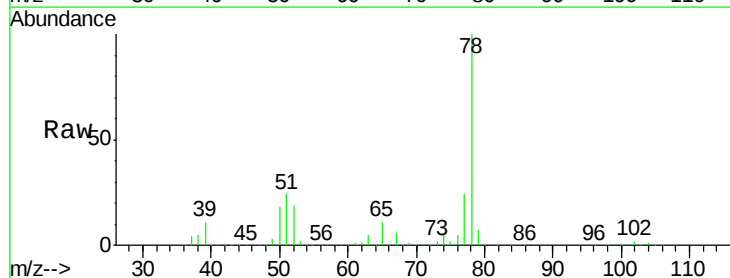
Manual Integrations
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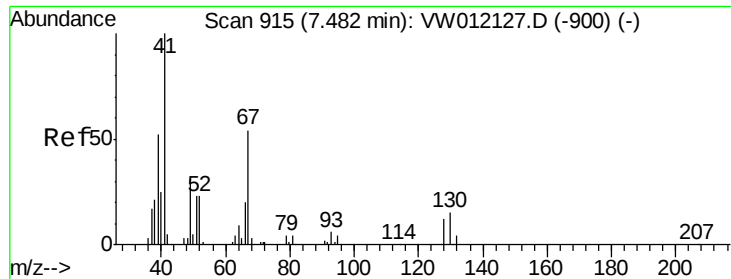
MMDadoda
8/26/2019 11:39:15 AM



#40
Benzene
Concen: 155.183 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.5	29.3





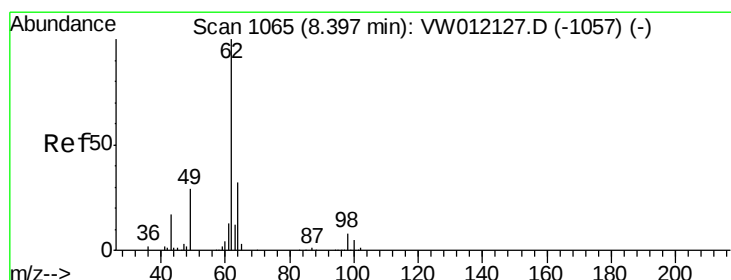
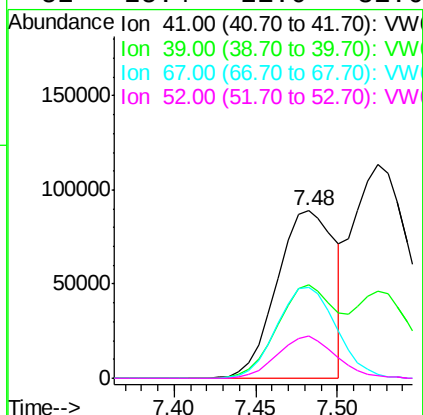
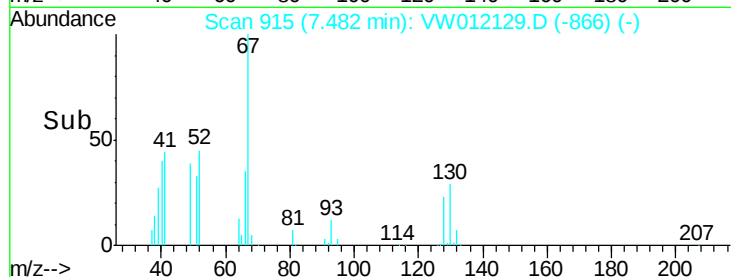
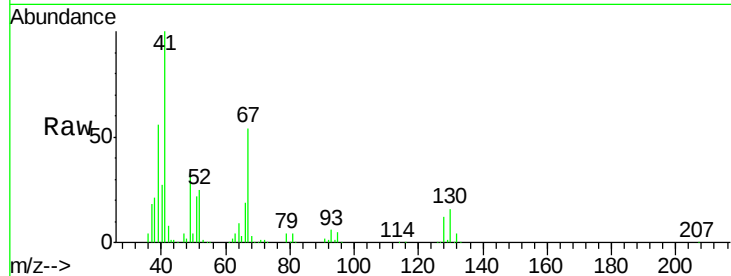
#41
Methacrylonitrile
Concen: 168.729 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		219976		
39	58.8	45.8	68.8		
67	55.9	46.2	69.4		
52	25.4	21.0	31.6		

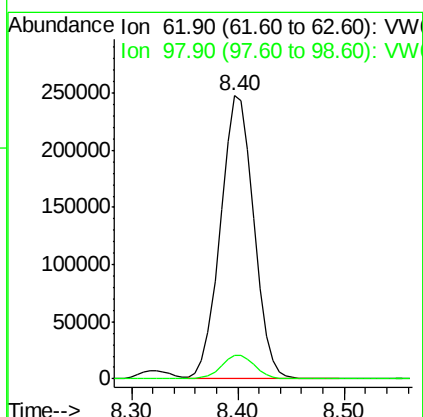
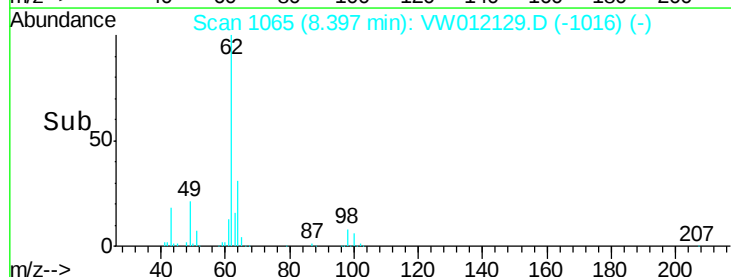
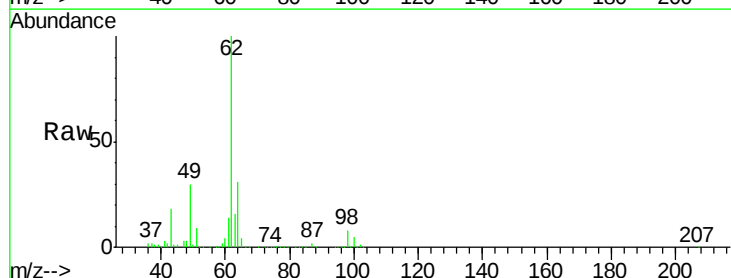
Manual Integrations
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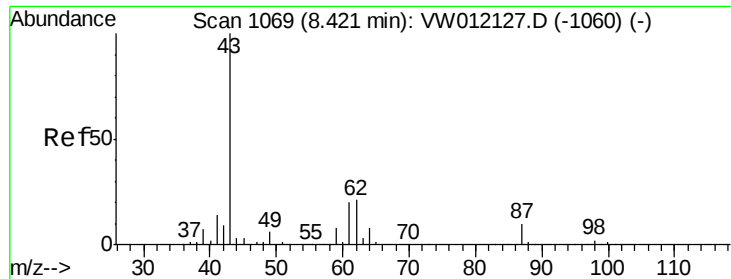
MMDadoda
8/26/2019 11:39:15 AM



#42
1,2-Dichloroethane
Concen: 156.004 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		540423		
98	8.4	0.0	16.6		





#43

Isopropyl Acetate

Concen: 168.165 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

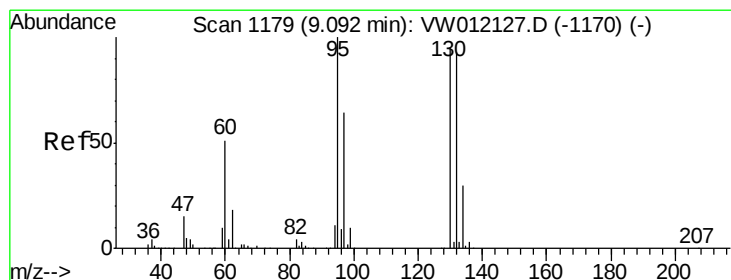
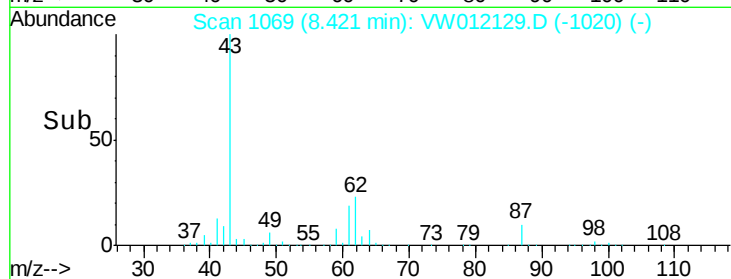
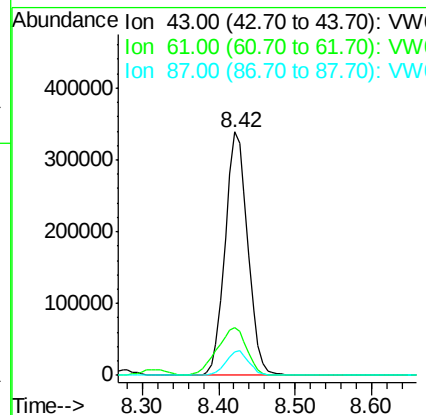
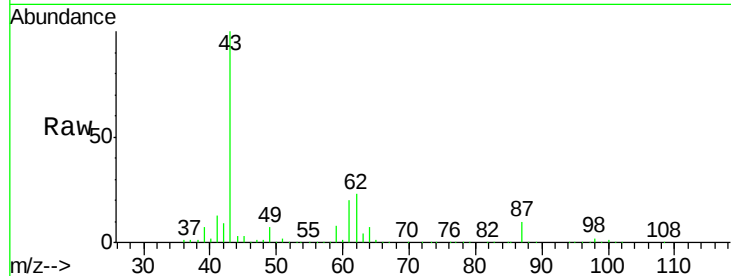
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	690962
Ion	Ratio	Lower	Upper
43	100		
61	25.8	21.1	31.7
87	10.1	8.2	12.2

Manual Integrations
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#44

Trichloroethene

Concen: 157.648 ug/l

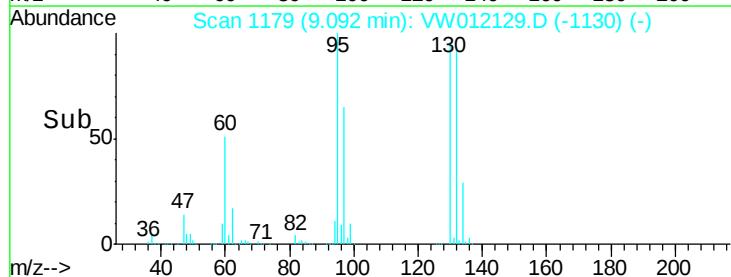
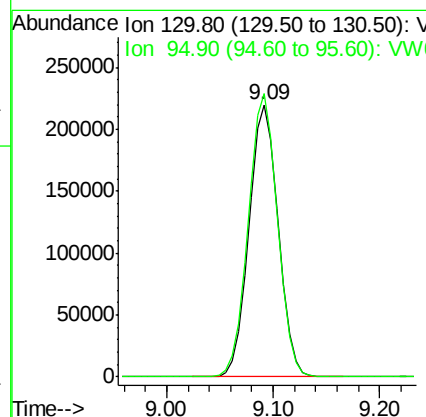
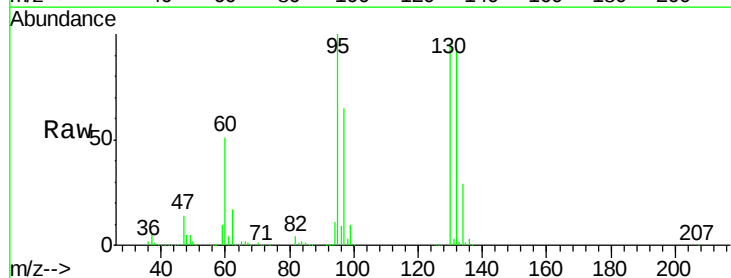
RT: 9.09 min Scan# 1179

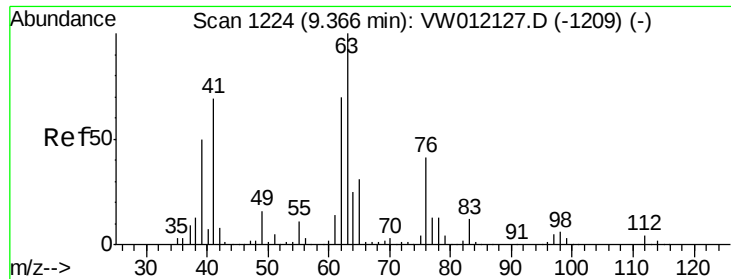
Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Tgt Ion:	130	Resp:	423599
Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	210.6





#45

1,2-Dichloropropane

Concen: 156.853 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 466597

Ion Ratio Lower Upper

63 100

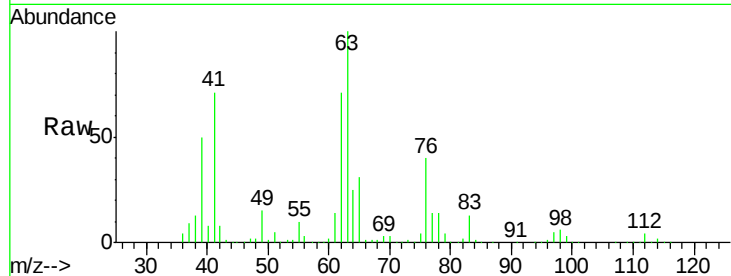
65 31.0 25.0 37.4

Manual Integrations

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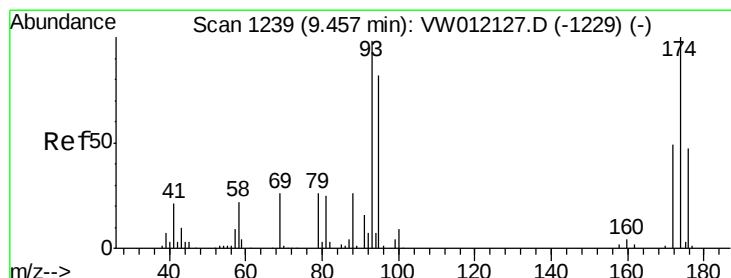
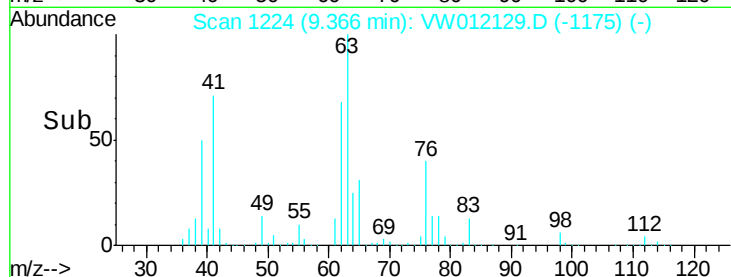
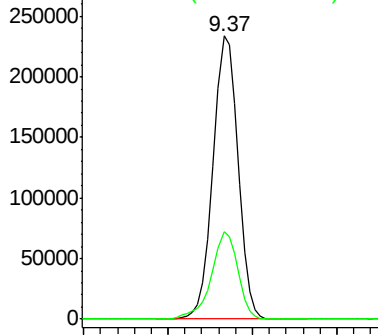
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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 159.274 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

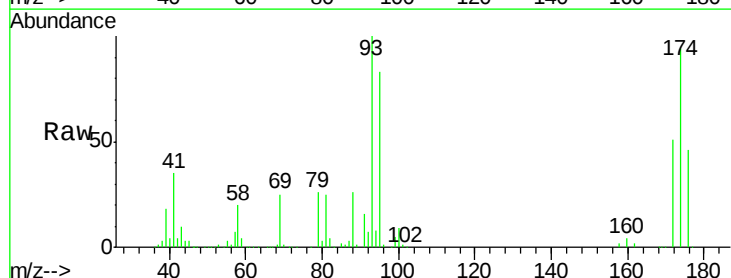
Tgt Ion: 93 Resp: 210808

Ion Ratio Lower Upper

93 100

95 81.9 67.2 100.8

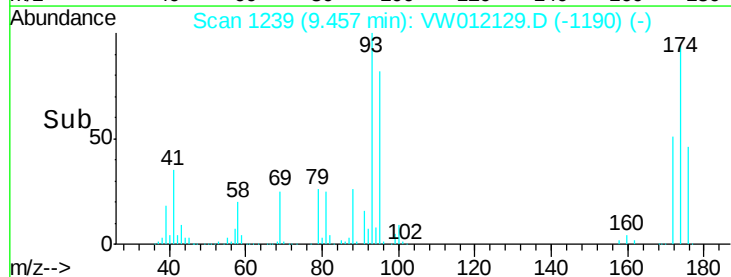
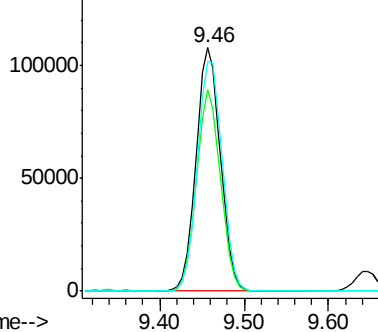
174 96.9 79.0 118.6

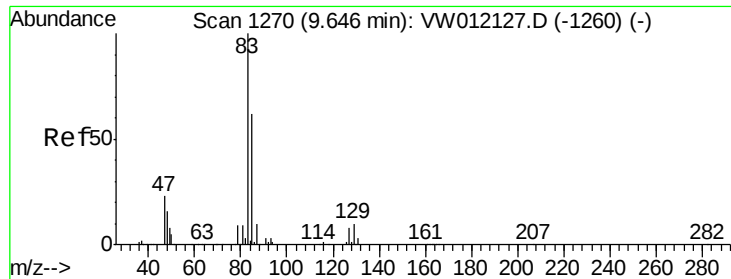


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 161.426 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

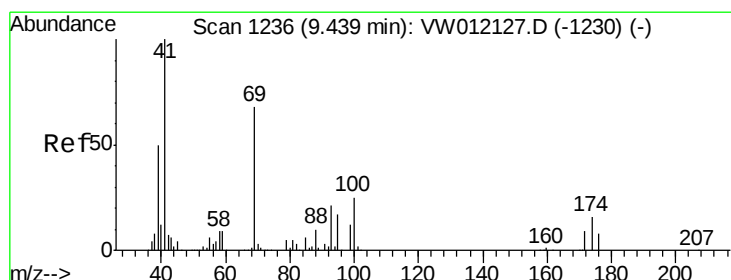
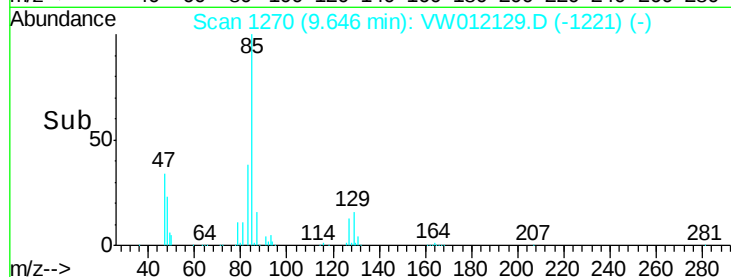
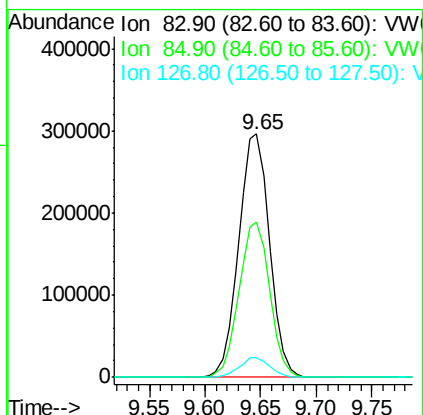
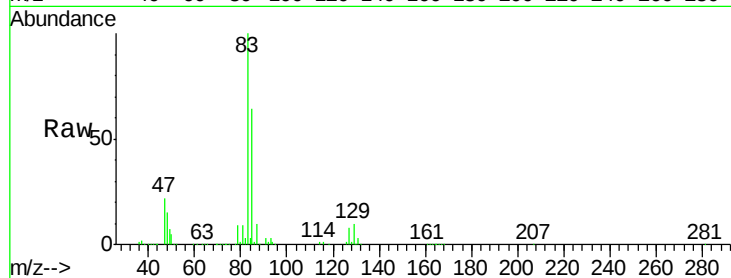
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	568629
Ion Ratio	Lower	Upper	
83	100		
85	63.8	49.4	74.2
127	8.1	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 173.583 ug/l

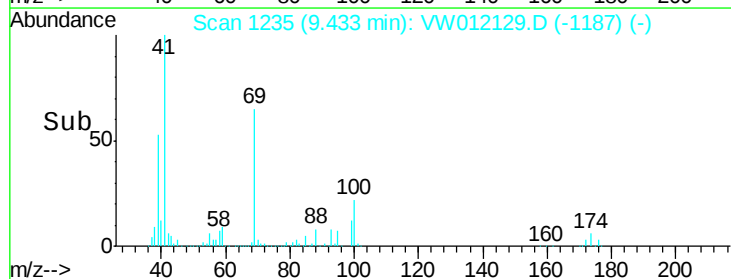
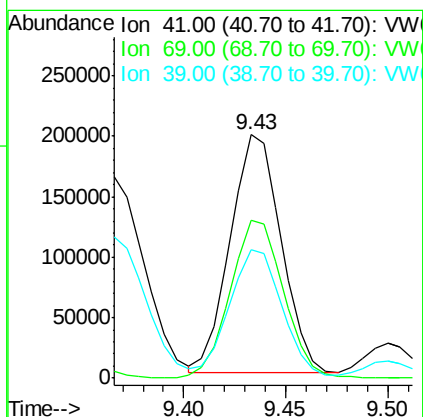
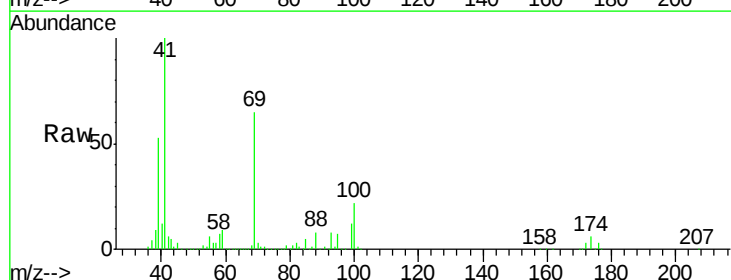
RT: 9.43 min Scan# 1235

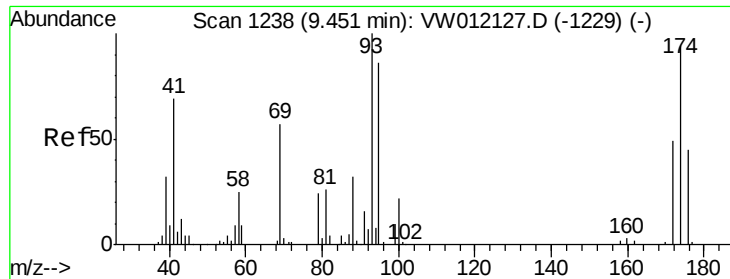
Delta R.T. -0.01 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Tgt Ion:	41	Resp:	339457
Ion Ratio	Lower	Upper	
41	100		
69	69.5	56.7	85.1
39	54.3	42.0	63.0





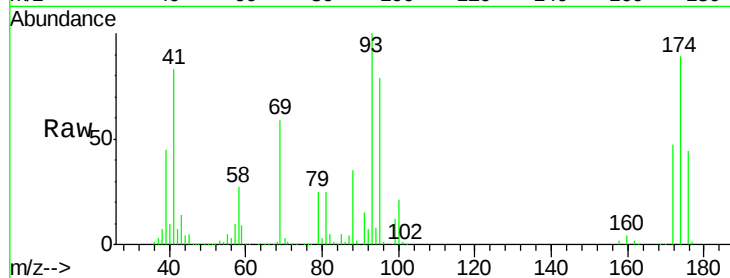
#49
1,4-Dioxane
Concen: 3470.078 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	70311
Ion	Ratio	Lower	Upper
88	100		
43	41.5	32.9	49.3
58	83.6	71.0	106.4

Manual Integrations
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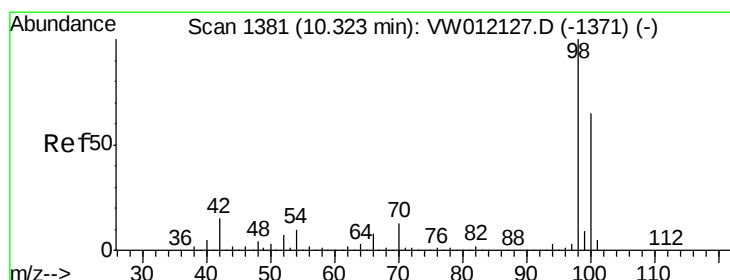
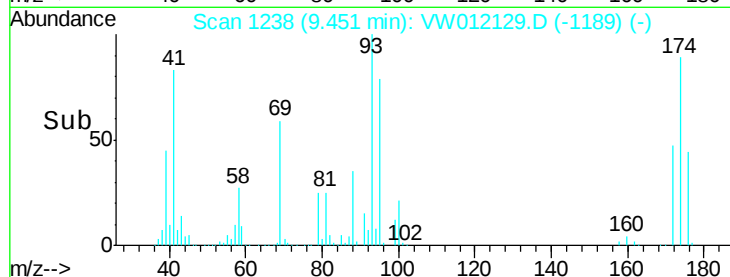
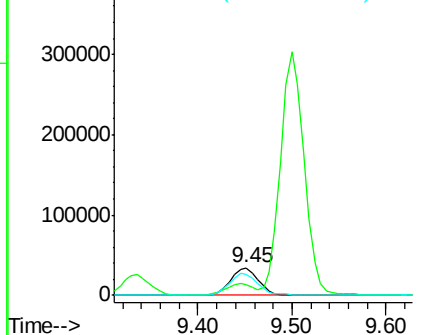


Abundance

Ion 88.00 (87.70 to 88.70): VW

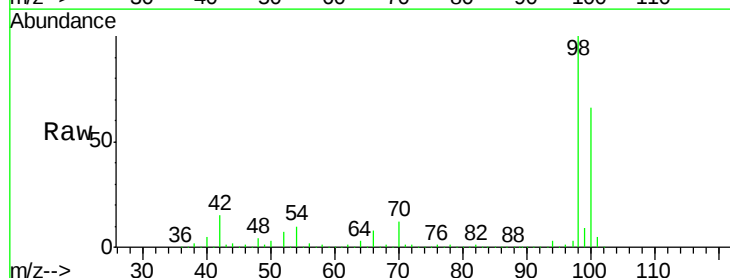
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 152.089 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

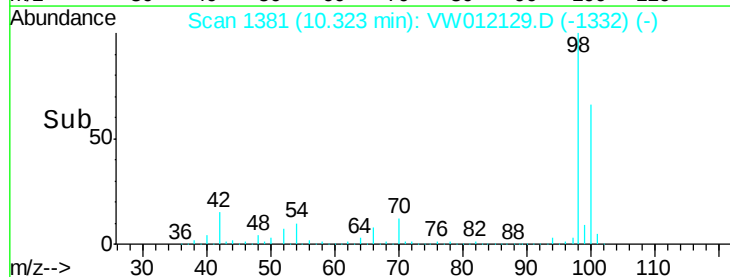
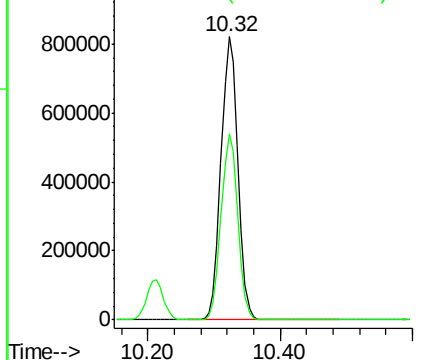
Tgt Ion	98	Resp	1441897
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.4	78.6

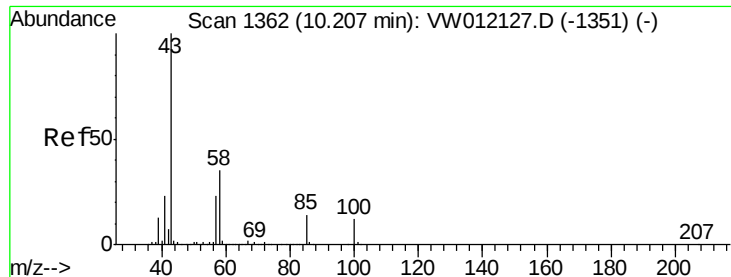


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 835.492 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 1746075

Ion Ratio Lower Upper

43 100

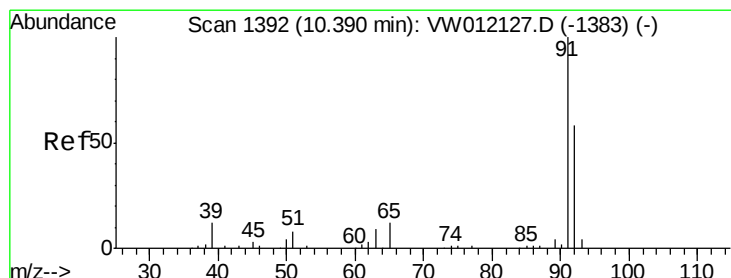
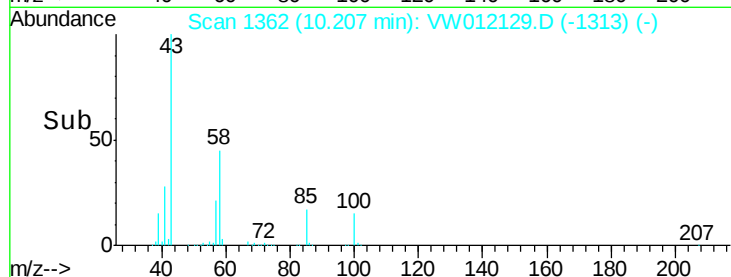
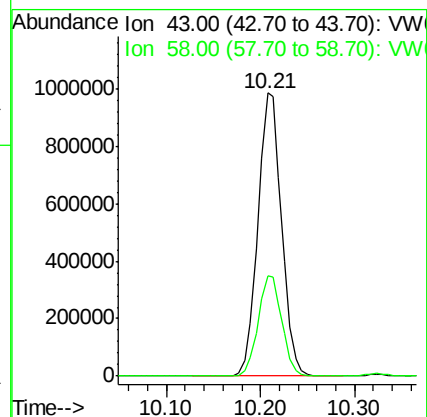
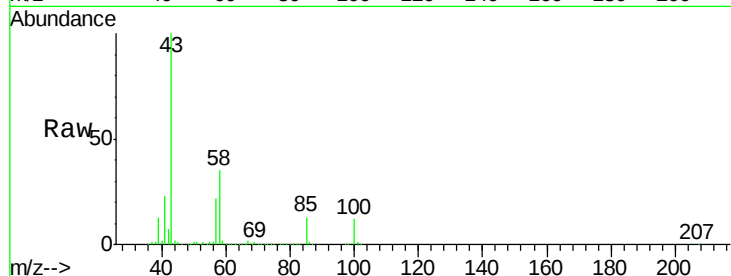
58 35.4 28.2 42.2

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#52

Toluene

Concen: 158.331 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012129.D

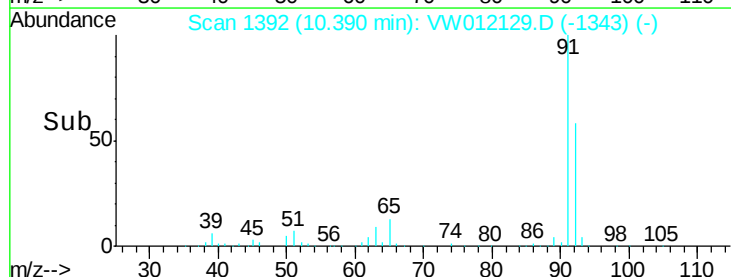
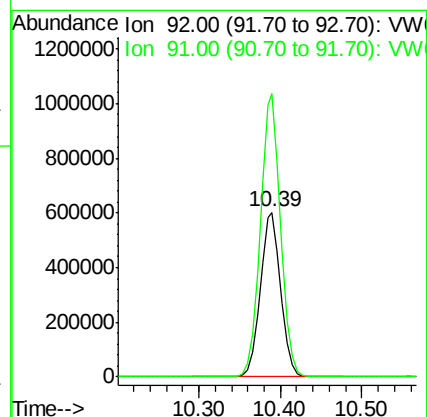
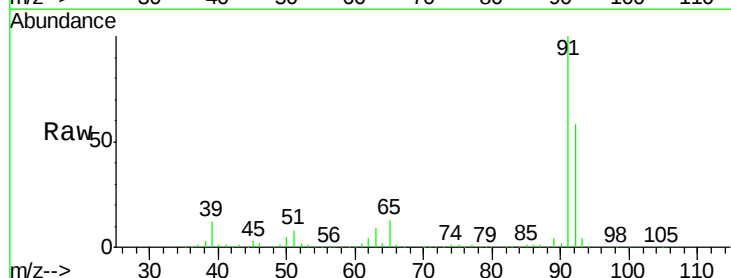
Acq: 23 Aug 2019 11:55

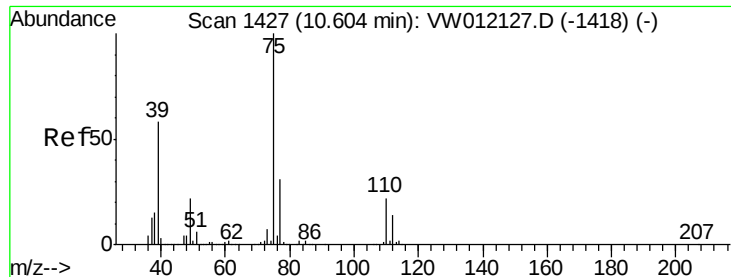
Tgt Ion: 92 Resp: 1051344

Ion Ratio Lower Upper

92 100

91 170.9 136.6 204.8





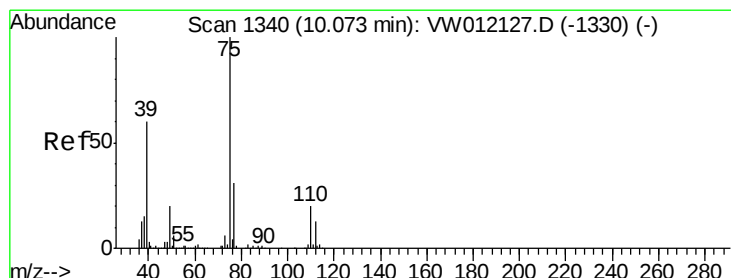
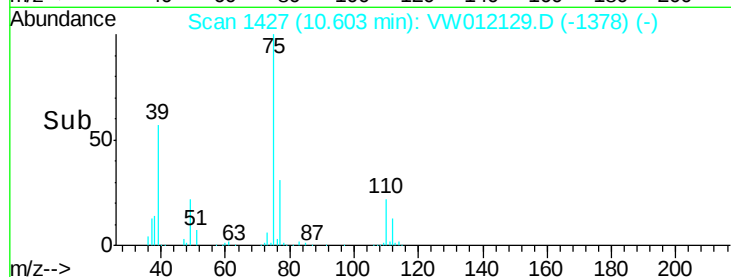
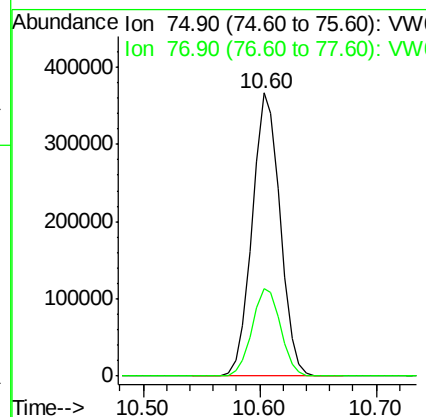
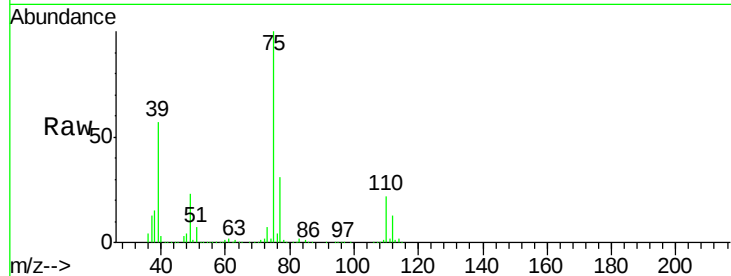
#53
t-1,3-Dichloropropene
Concen: 171.008 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.0	37.4

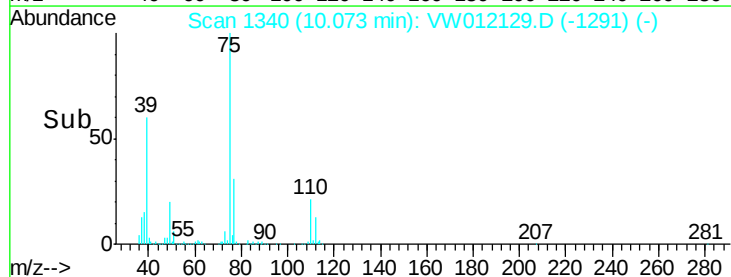
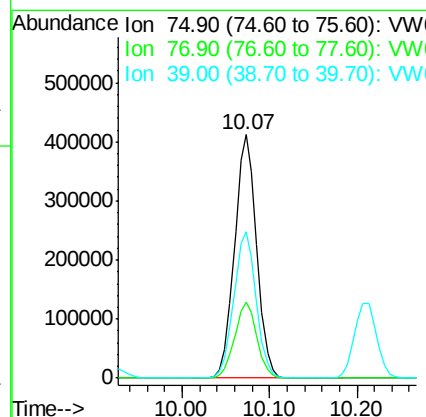
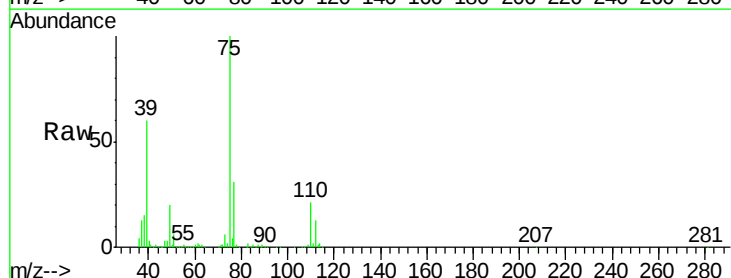
Manual Integrations
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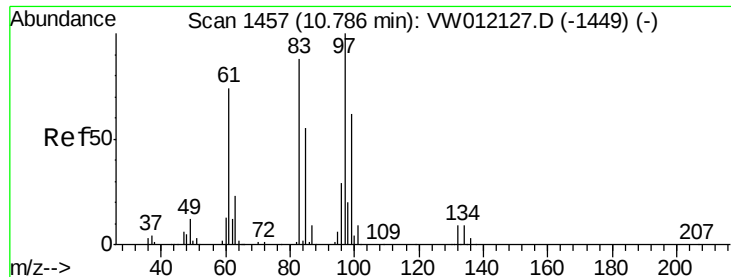
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 166.522 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	59.9	48.3	72.5





#55

1,1,2-Trichloroethane

Concen: 159.395 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

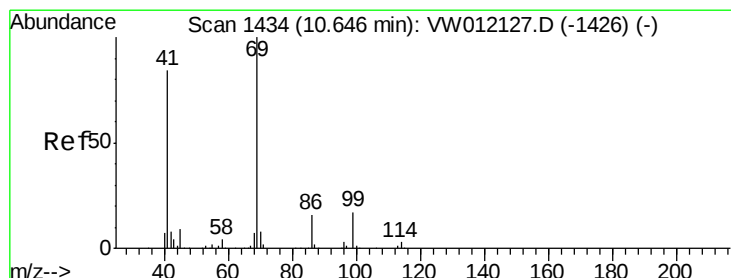
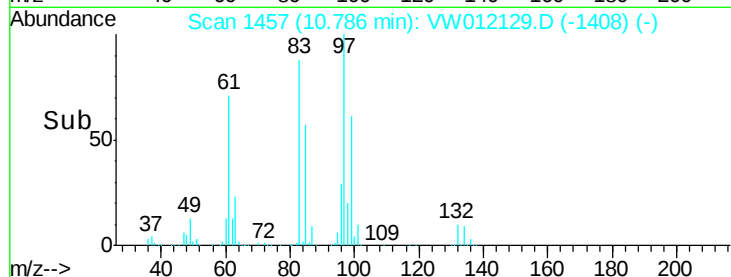
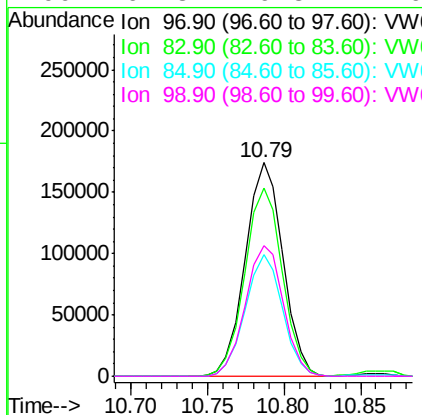
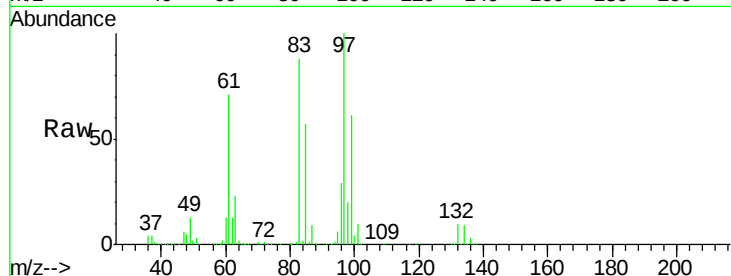
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	298492
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.8	106.2
85	57.0	43.8	65.8
99	61.3	49.8	74.6

Manual Integrations
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8/26/2019 11:39:15 AM



#56

Ethyl methacrylate

Concen: 173.807 ug/l

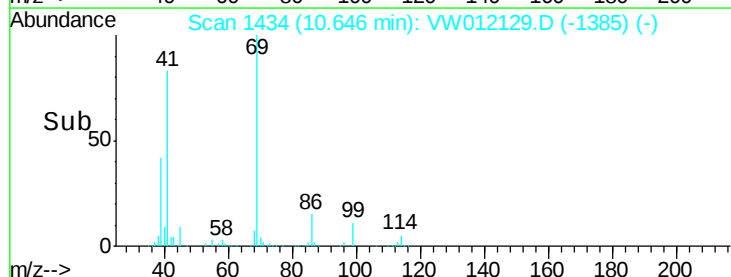
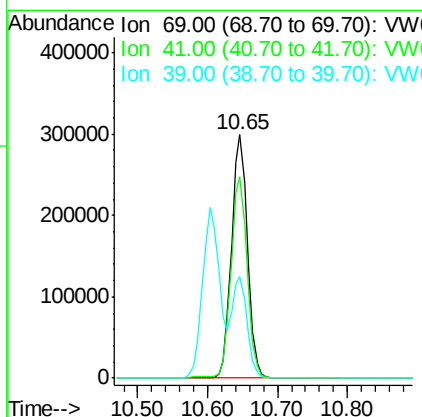
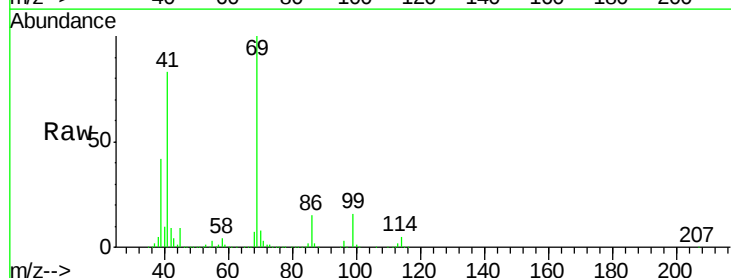
RT: 10.65 min Scan# 1434

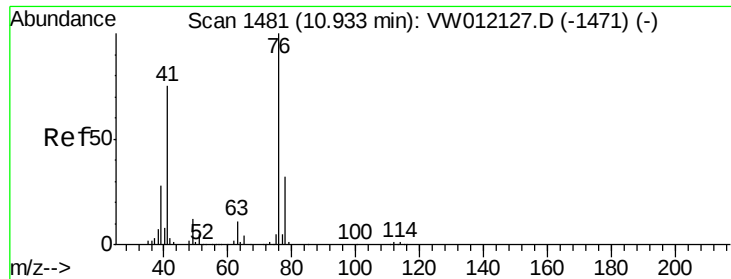
Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Tgt Ion:	69	Resp:	473709
Ion	Ratio	Lower	Upper
69	100		
41	83.0	66.5	99.7
39	38.9	31.0	46.4





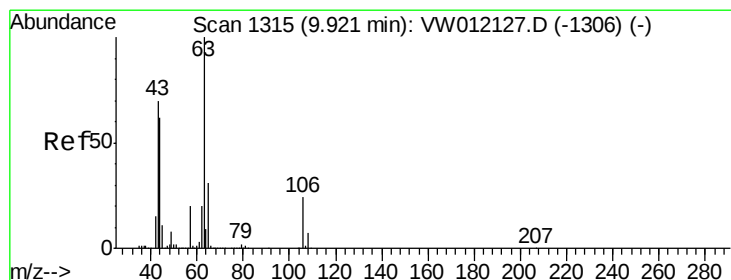
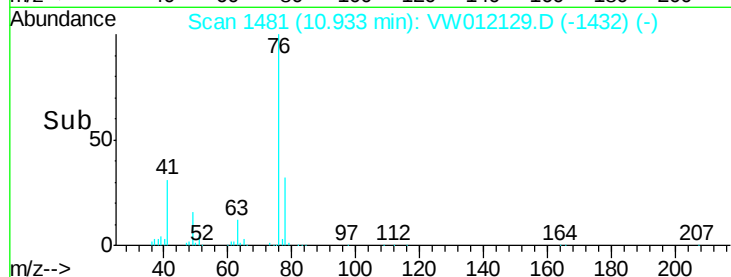
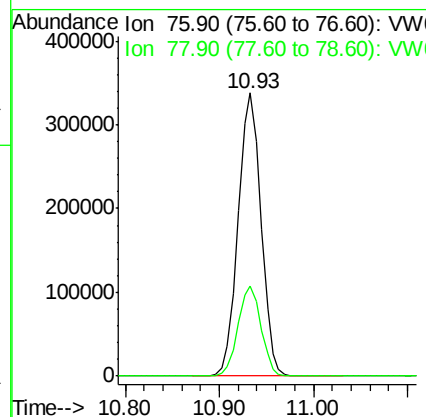
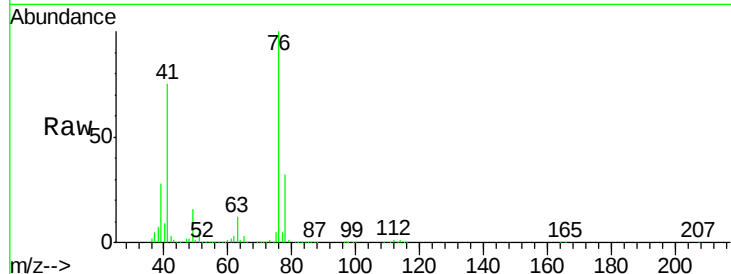
#57
 1,3-Dichloropropane
 Concen: 160.869 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

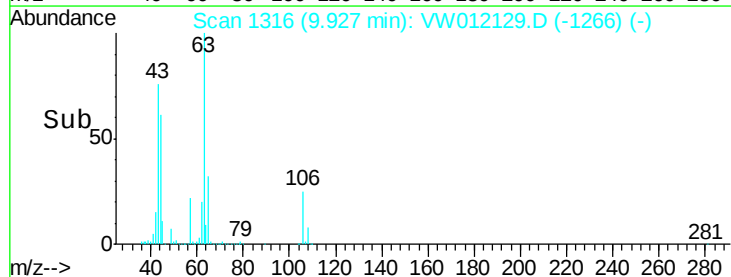
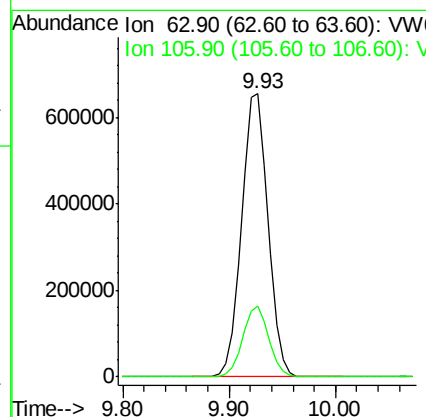
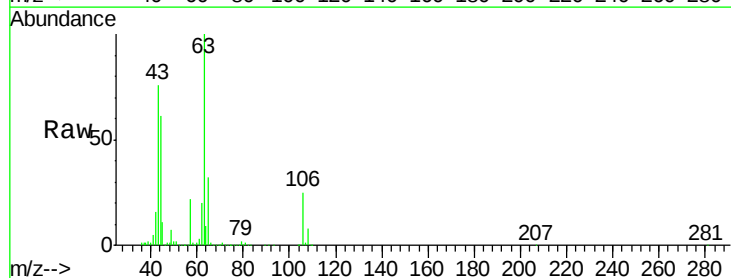
Manual Integrations
 APPROVED

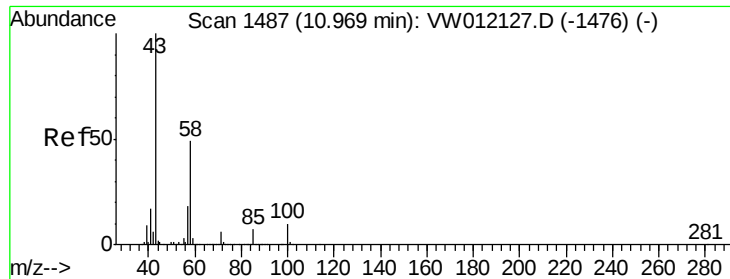
MMDadoda
 8/26/2019 11:39:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 816.990 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.7	19.8	29.8





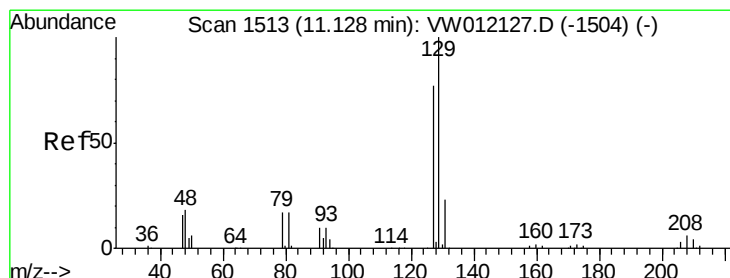
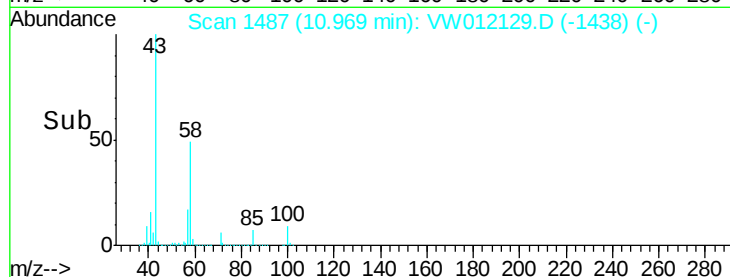
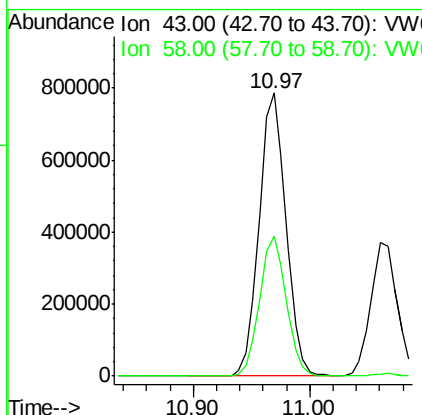
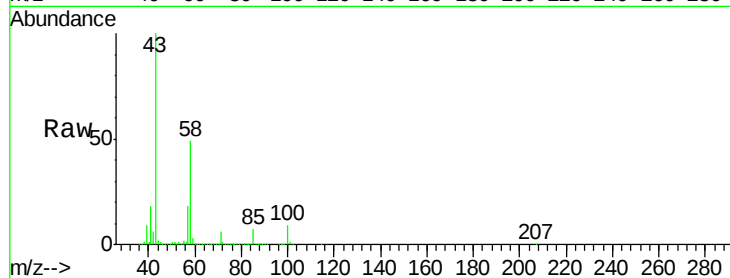
#59
2-Hexanone
Concen: 850.380 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1257474
Ion Ratio Lower Upper
43 100
58 49.0 24.3 72.9

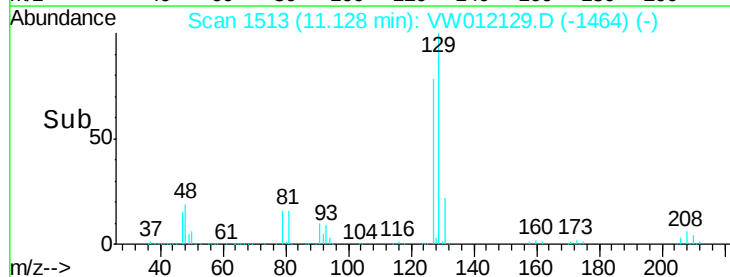
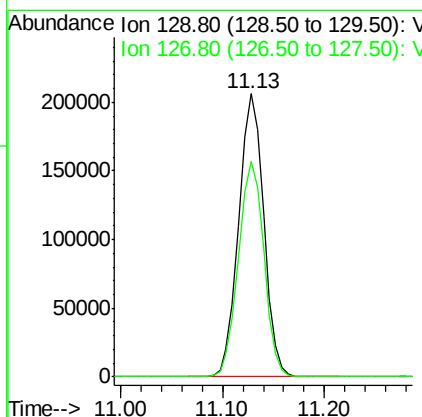
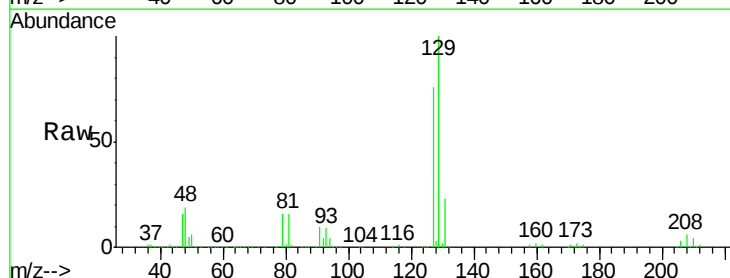
Manual Integrations
APPROVED

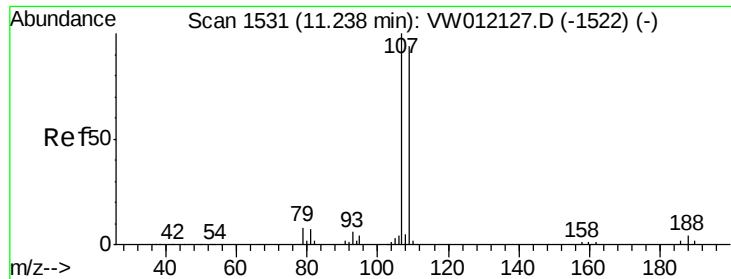
MMDadoda
8/26/2019 11:39:15 AM



#60
Dibromochloromethane
Concen: 167.654 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion: 129 Resp: 349696
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8





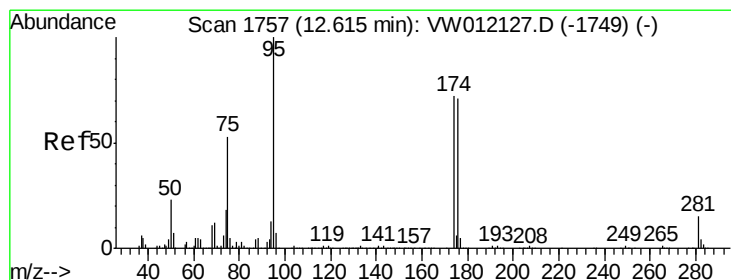
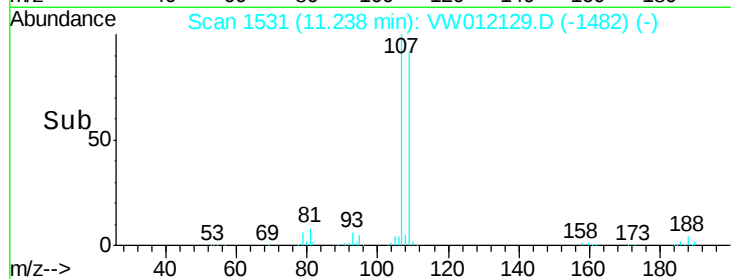
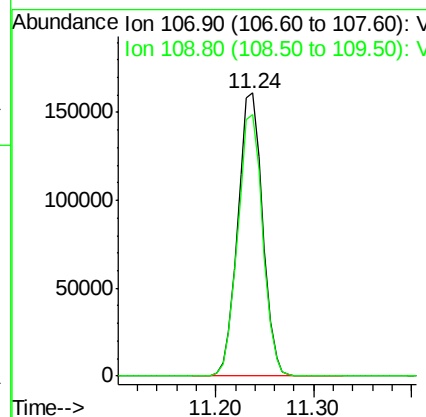
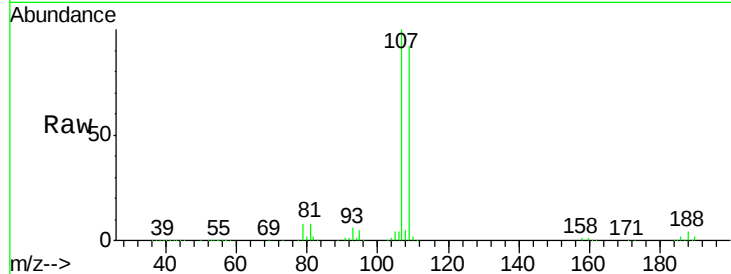
#61
 1,2-Dibromoethane
 Concen: 162.534 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	283559		
109	93.2	75.4	113.2	

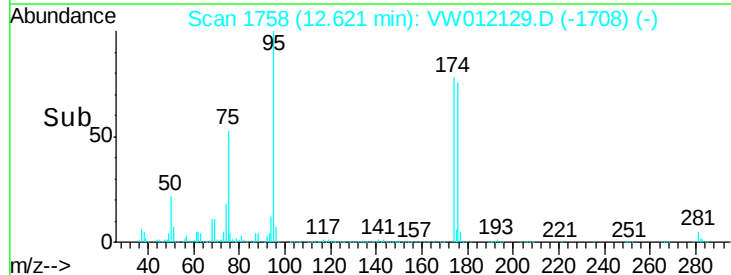
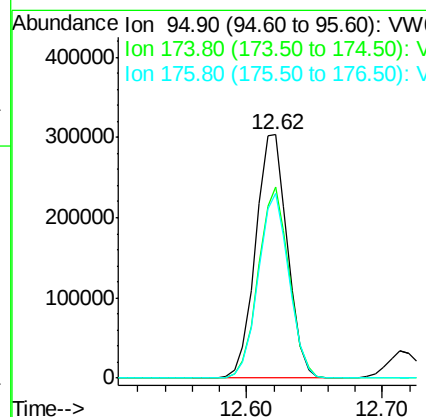
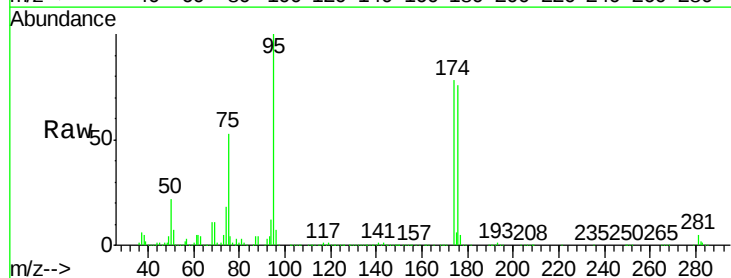
Manual Integrations
 APPROVED

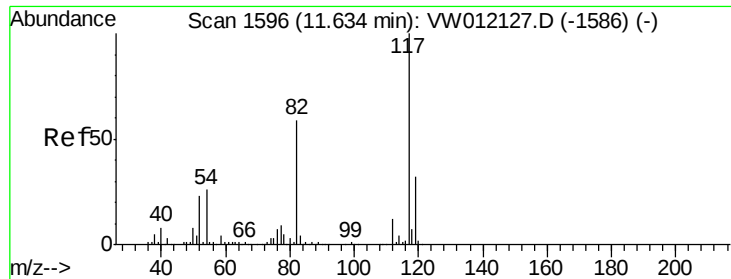
MMDadoda
 8/26/2019 11:39:15 AM



#62
 4-Bromofluorobenzene
 Concen: 149.054 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	498123		
174	75.6	0.0	150.8	
176	73.2	0.0	148.6	





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

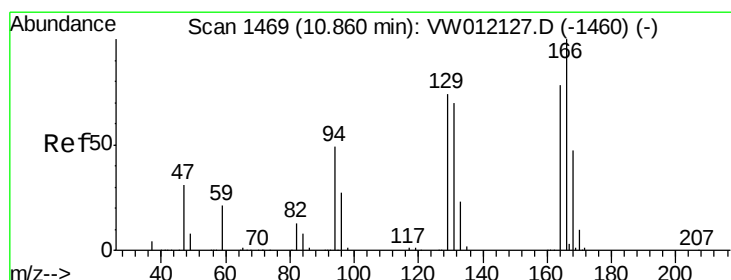
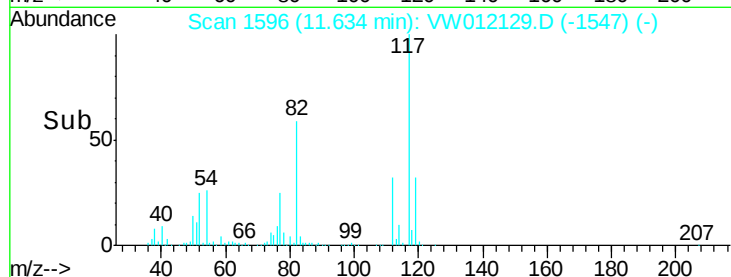
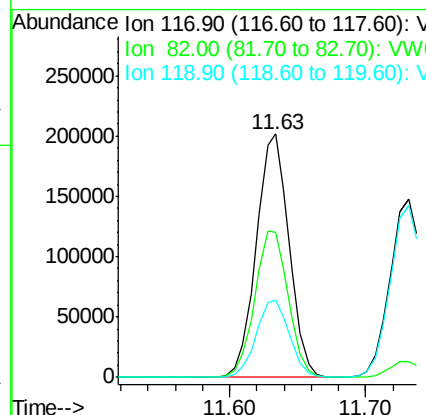
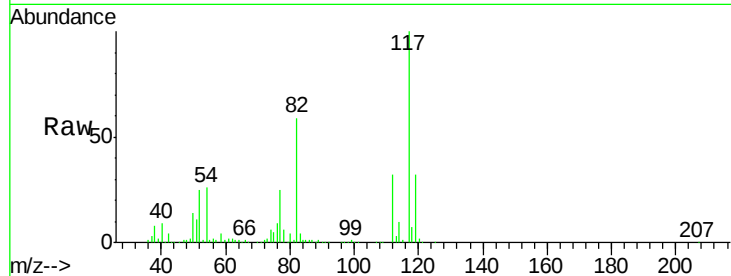
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	339865		
82	59.4		47.4	71.2
119	31.7		25.4	38.2

Manual Integrations
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#64

Tetrachloroethene

Concen: 155.470 ug/l

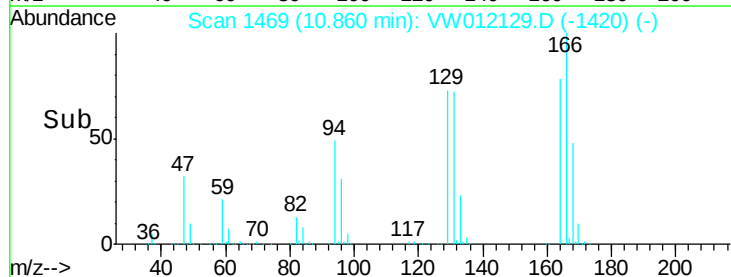
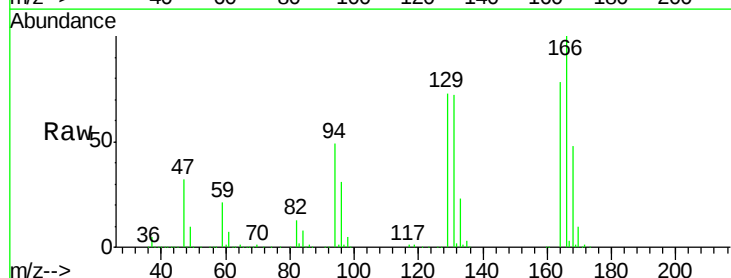
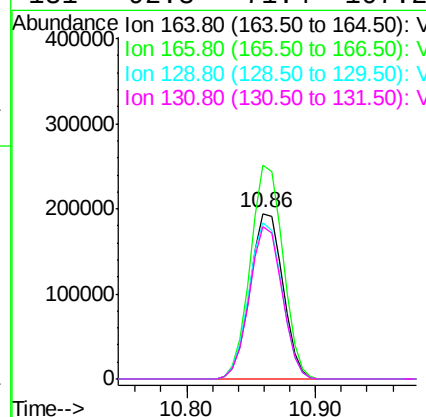
RT: 10.86 min Scan# 1469

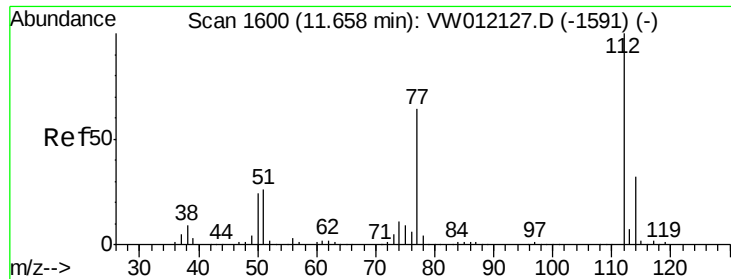
Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	342569		
166	129.0		102.4	153.6
129	94.4		75.8	113.6
131	92.3		71.4	107.2





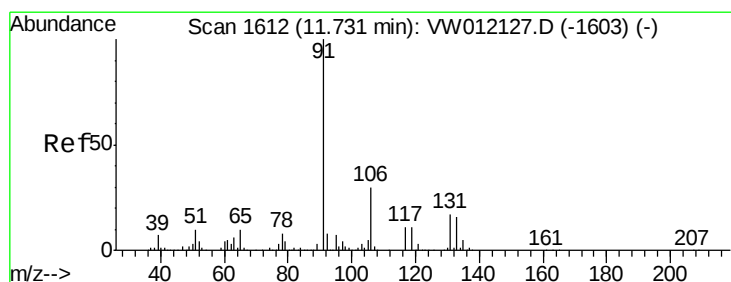
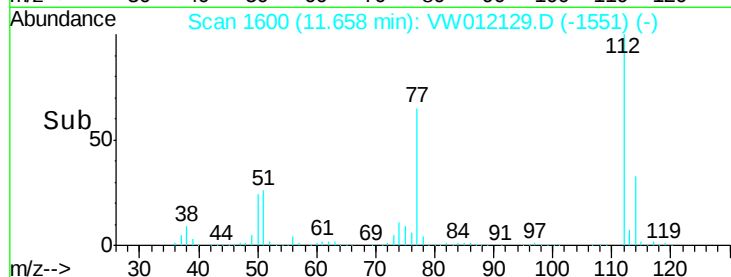
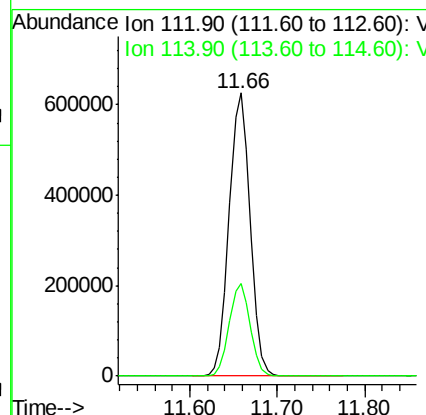
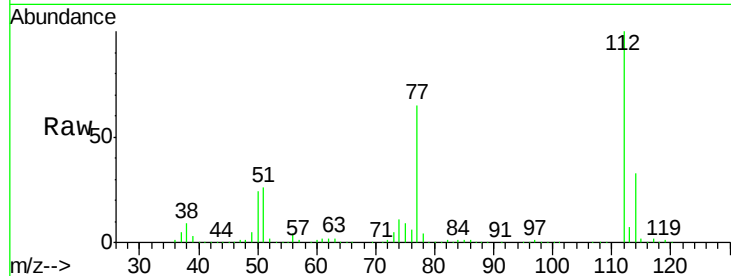
#65
Chlorobenzene
Concen: 155.996 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1043962
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6

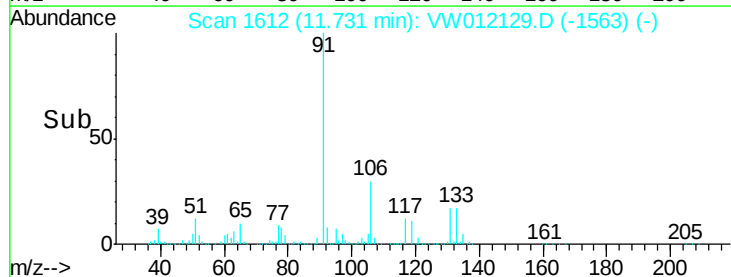
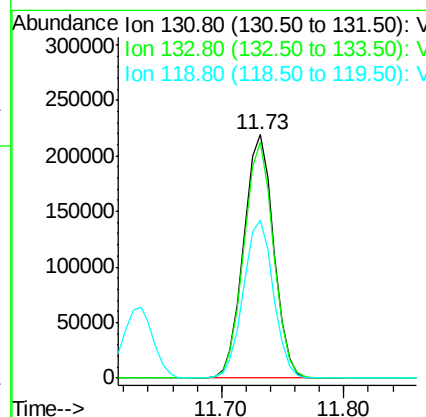
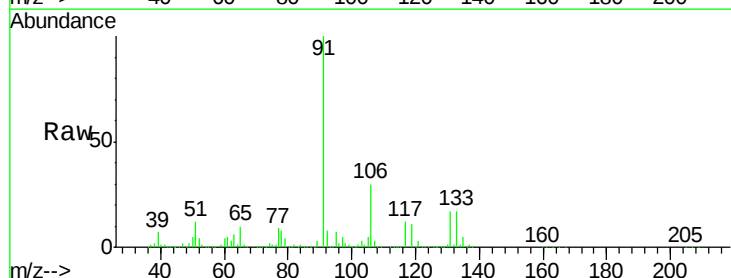
Manual Integrations
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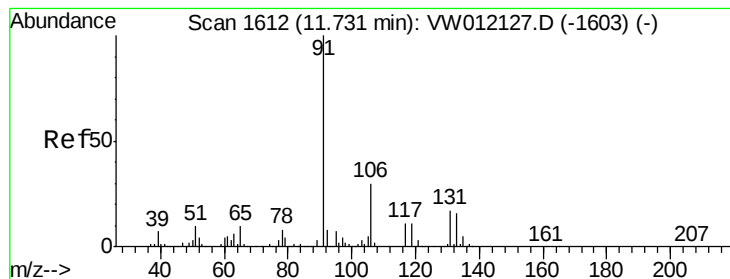
MMDadoda
8/26/2019 11:39:15 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 159.228 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion:131 Resp: 371742
Ion Ratio Lower Upper
131 100
133 95.7 47.1 141.3
119 64.9 31.8 95.3





#67

Ethyl Benzene

Concen: 159.299 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2053590

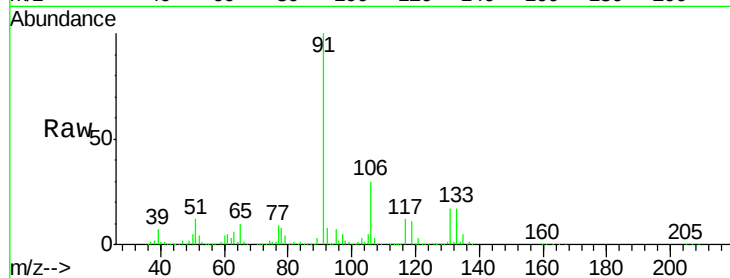
Ion Ratio Lower Upper

91 100

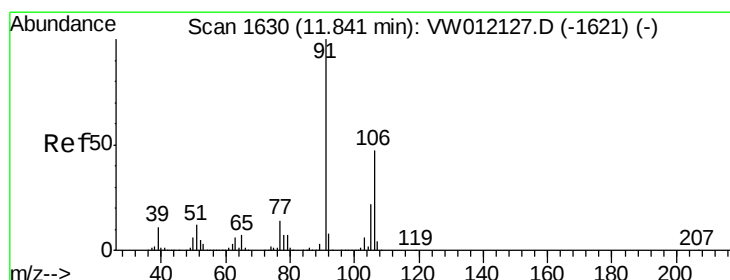
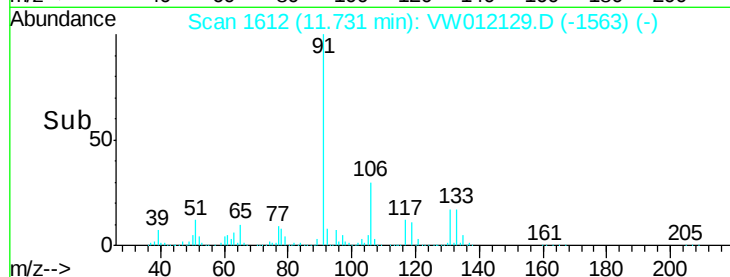
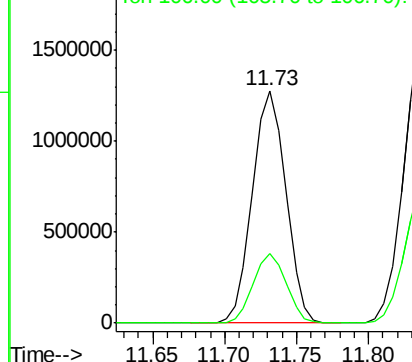
106 29.9 24.3 36.5

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 316.969 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW012129.D

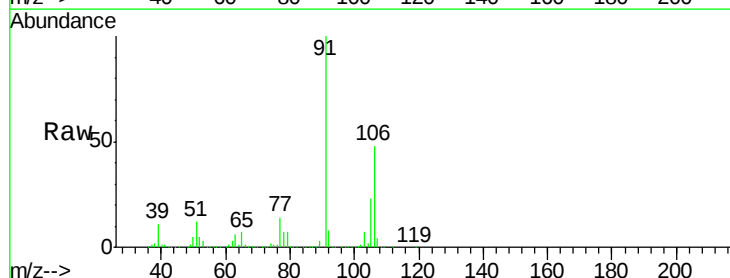
Acq: 23 Aug 2019 11:55

Tgt Ion: 106 Resp: 1471891

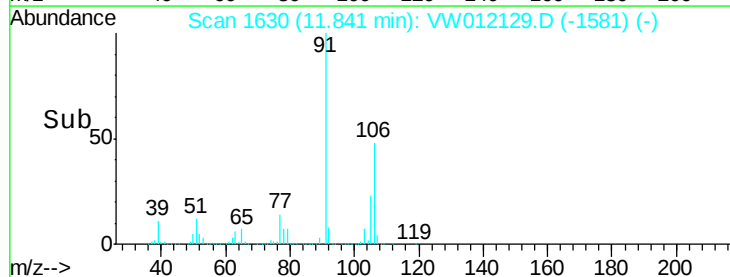
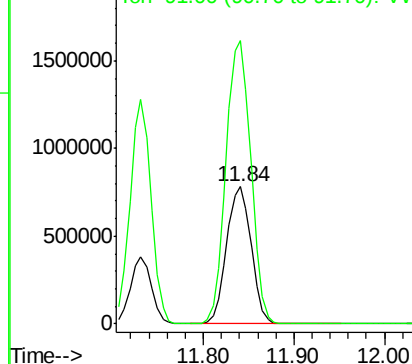
Ion Ratio Lower Upper

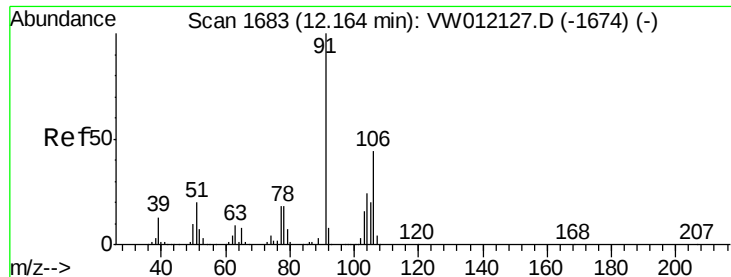
106 100

91 209.1 169.5 254.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW





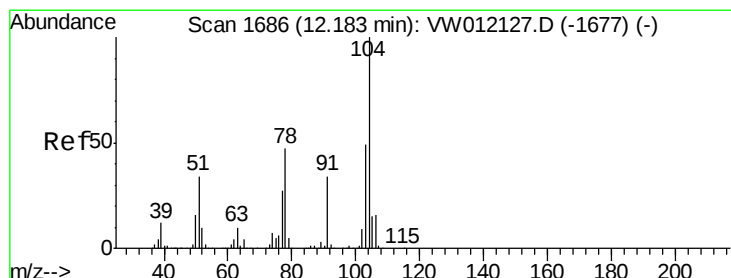
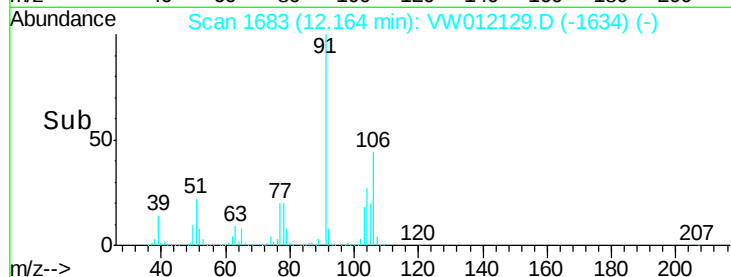
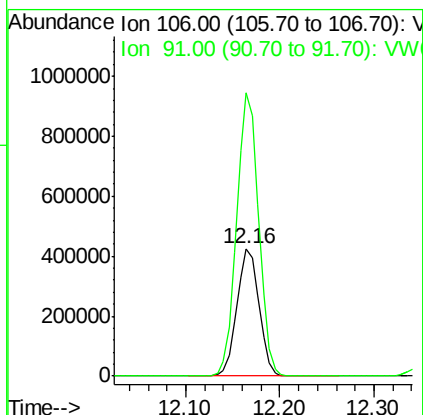
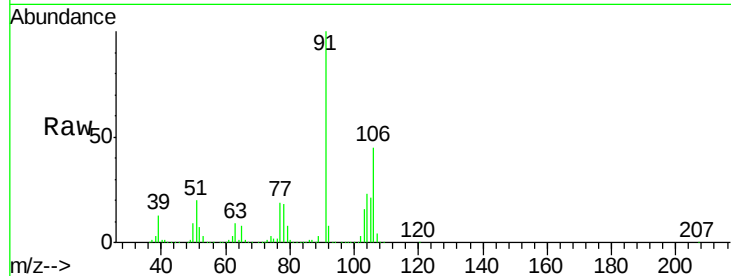
#69
o-Xylene
Concen: 160.595 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	220.9	111.6	334.6

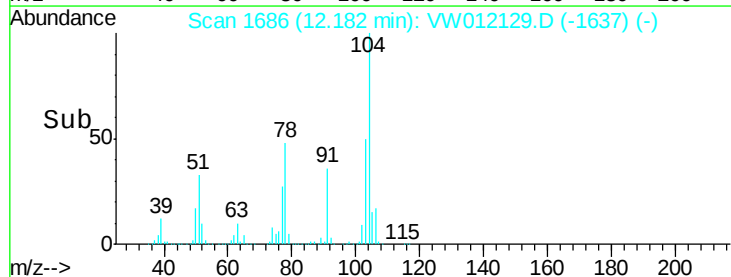
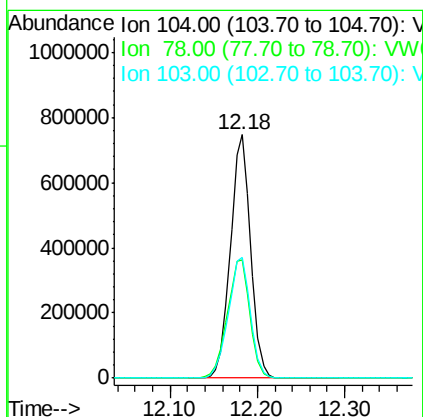
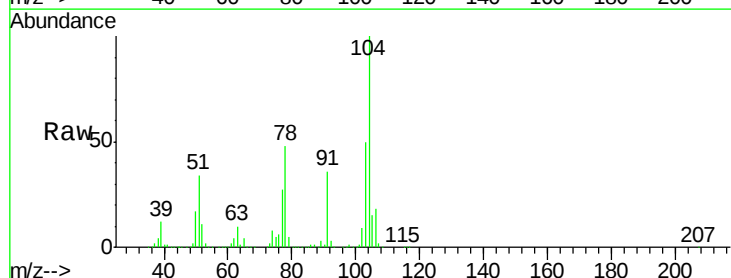
Manual Integrations
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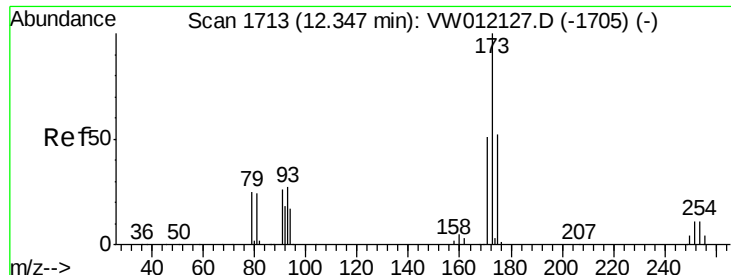
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#70
Styrene
Concen: 161.065 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.3	43.1	64.7
103	54.2	43.5	65.3





#71

Bromoform

Concen: 169.549 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 197218

Ion Ratio Lower Upper

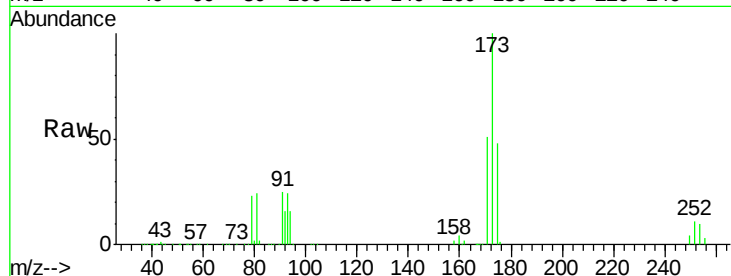
173 100

175 48.4 24.6 74.0

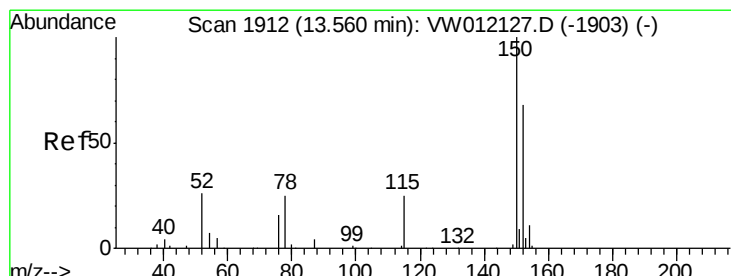
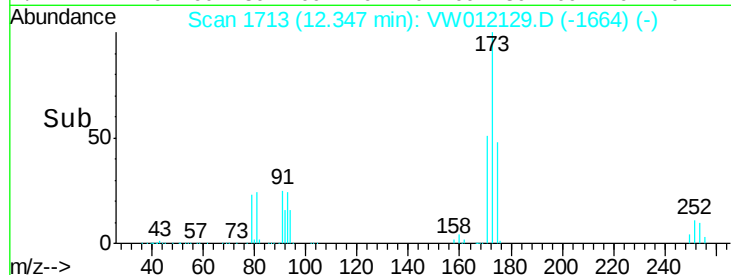
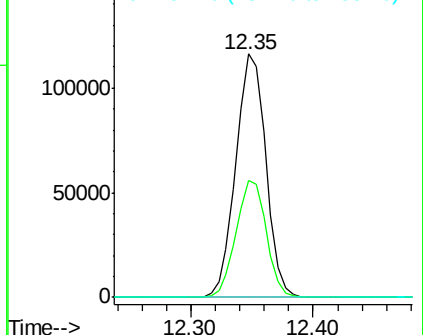
254 0.1 0.2 0.2#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

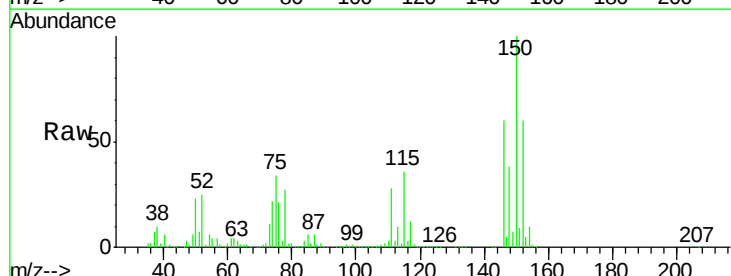
Tgt Ion:152 Resp: 157830

Ion Ratio Lower Upper

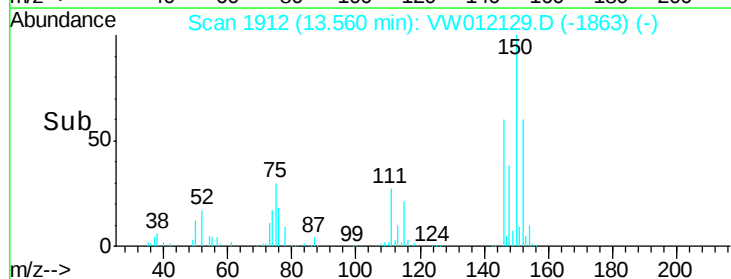
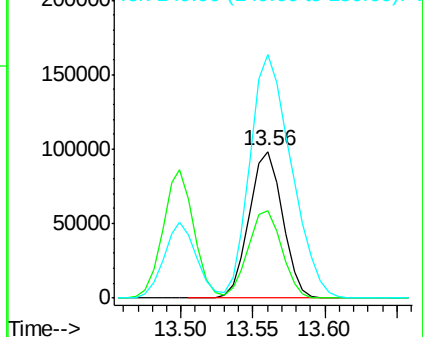
152 100

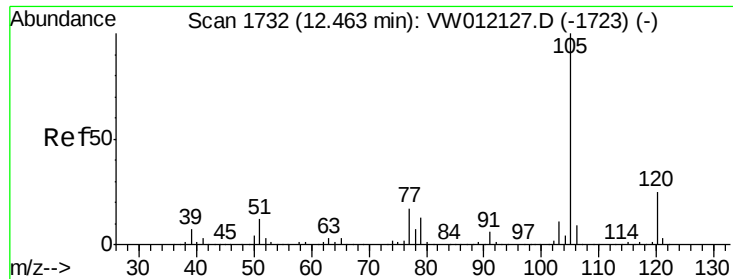
115 59.9 30.1 90.3

150 205.6 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





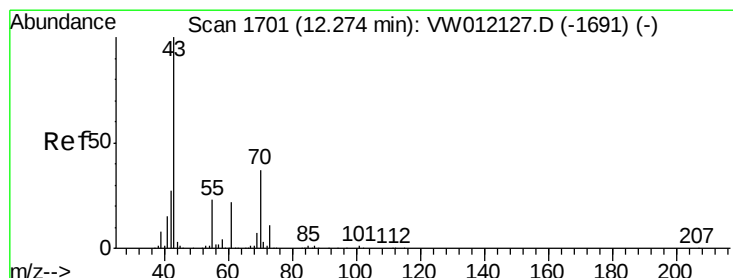
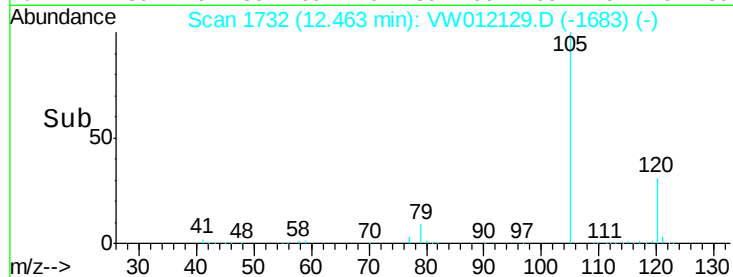
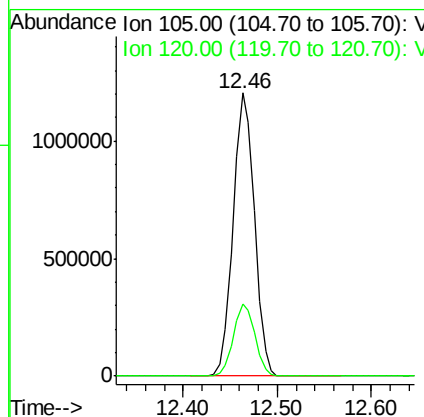
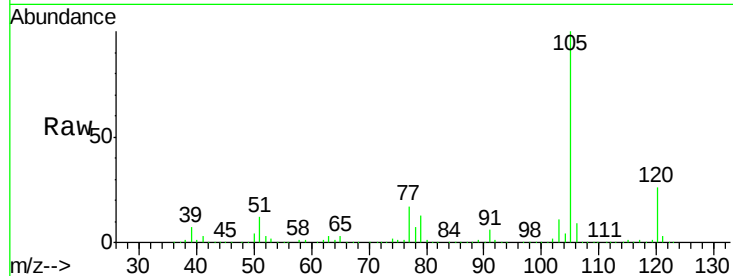
#73
Isopropylbenzene
Concen: 159.740 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 1889155
Ion Ratio Lower Upper
105 100
120 25.8 12.5 37.5

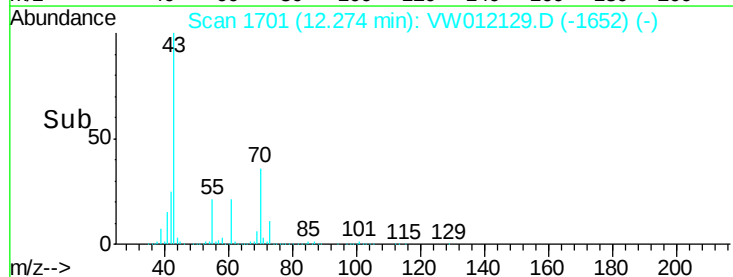
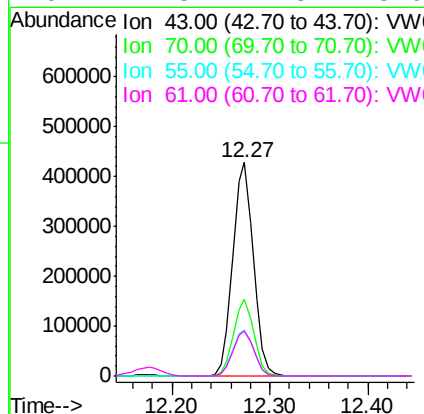
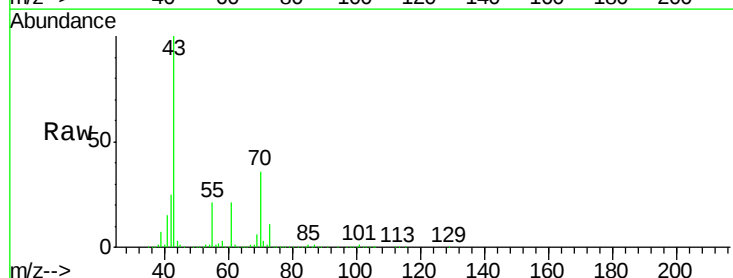
Manual Integrations
APPROVED

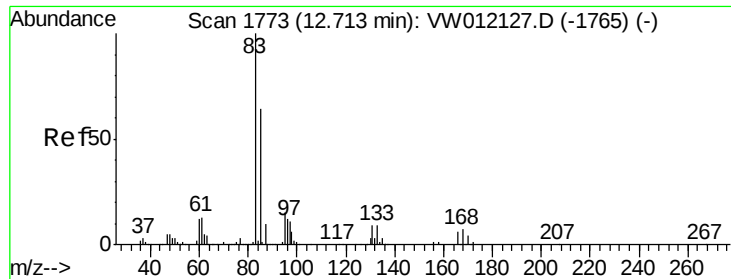
MMDadoda
8/26/2019 11:39:15 AM



#74
N-ethyl acetate
Concen: 175.475 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion: 43 Resp: 626988
Ion Ratio Lower Upper
43 100
70 35.6 28.6 43.0
55 21.9 17.8 26.6
61 21.5 17.3 25.9





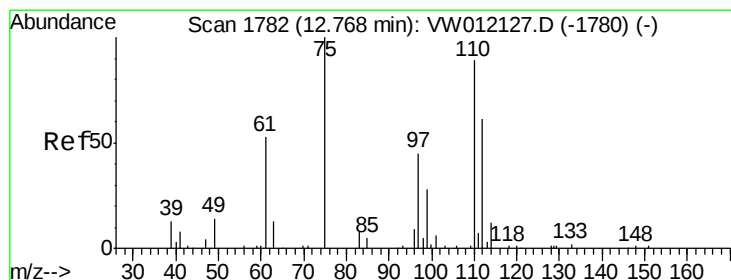
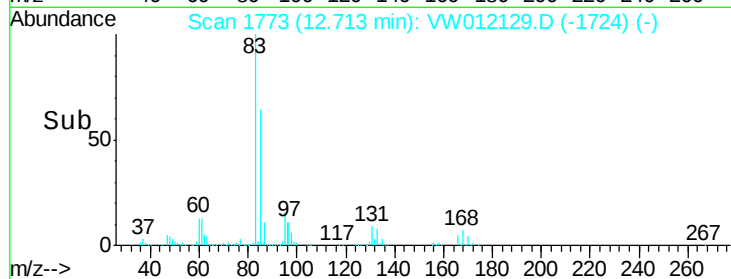
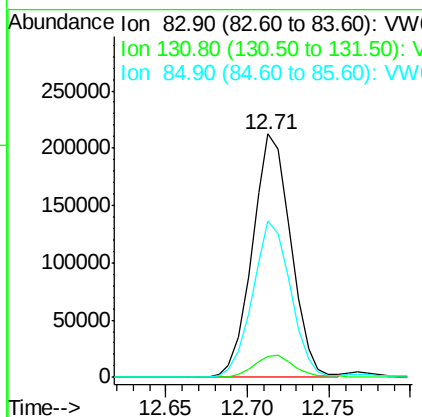
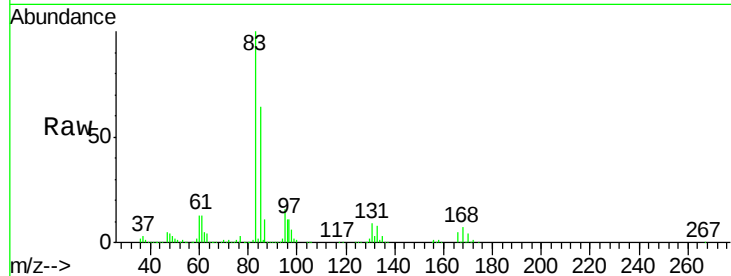
#75
 1,1,2,2-Tetrachloroethane
 Concen: 160.345 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion	83	Resp	347650
Ion Ratio	100	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	63.4	31.9	95.7

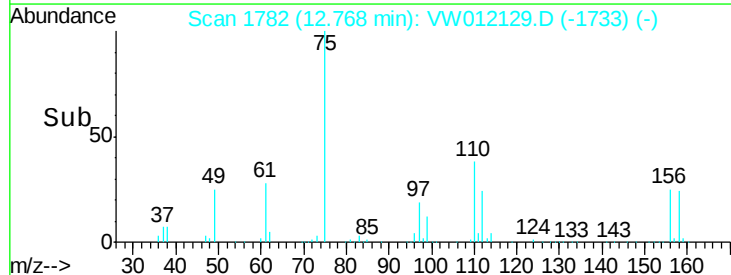
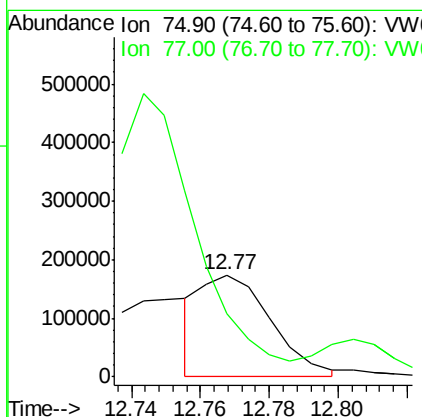
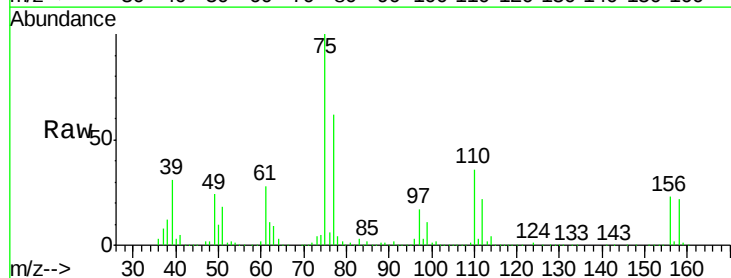
Manual Integrations
 APPROVED

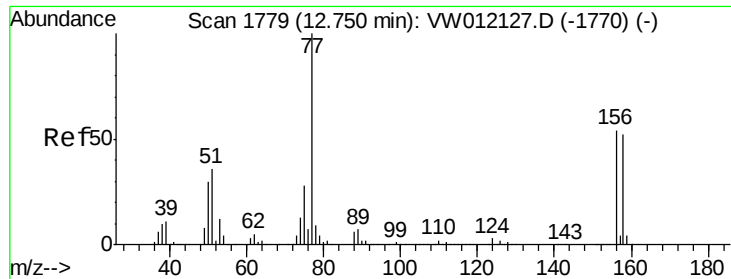
MMDadoda
 8/26/2019 11:39:15 AM



#76
 1,2,3-Trichloropropane
 Concen: 162.341 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Tgt Ion	75	Resp	246883
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 159.737 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

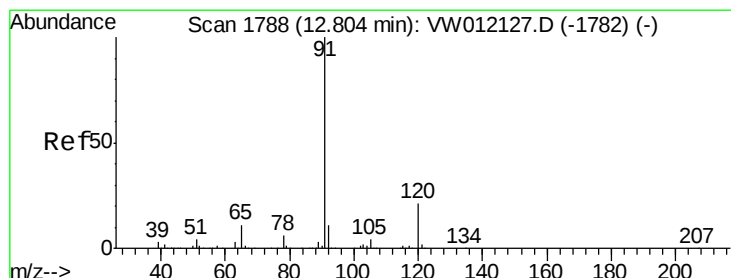
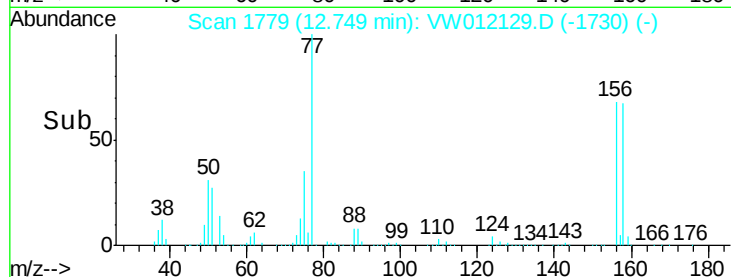
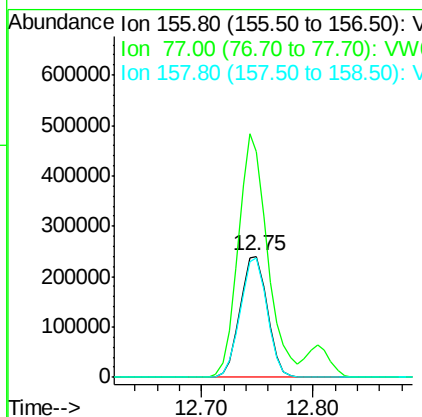
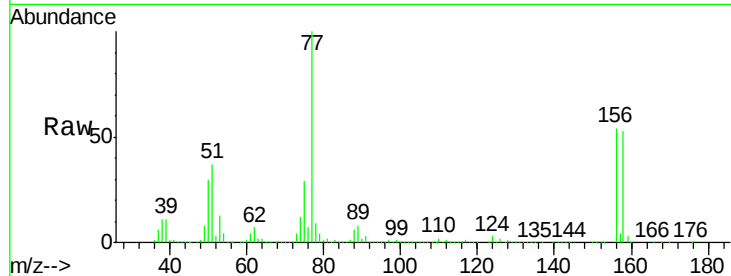
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	214.7	107.3	321.8		
158	96.7	49.0	147.0		

Manual Integrations
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#78

n-propylbenzene

Concen: 159.896 ug/l

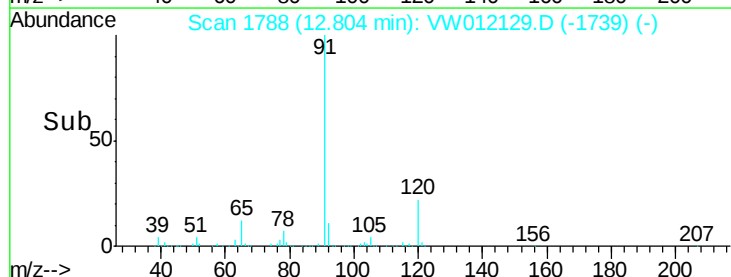
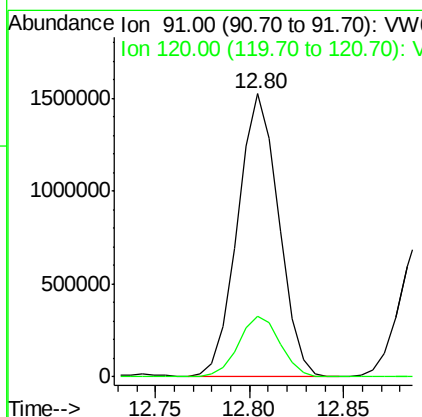
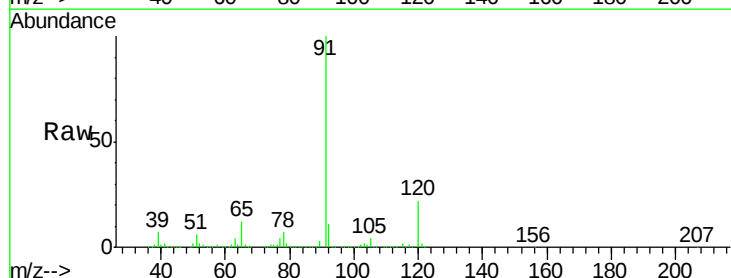
RT: 12.80 min Scan# 1788

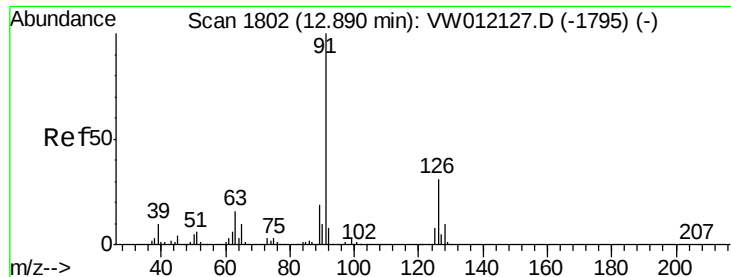
Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	21.7	10.5	31.6		





#79

2-Chlorotoluene

Concen: 158.655 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1300480

Ion Ratio Lower Upper

91 100

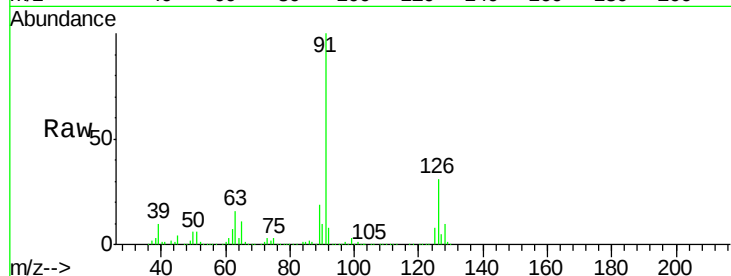
126 31.4 15.7 47.0

Manual Integrations

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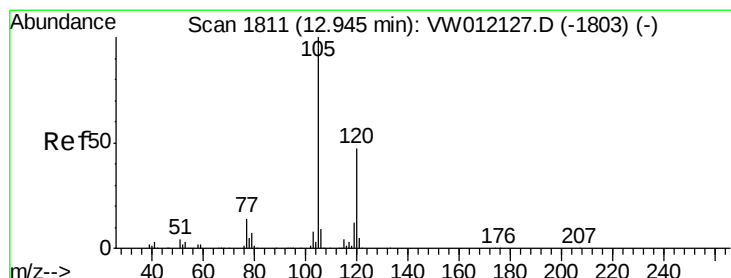
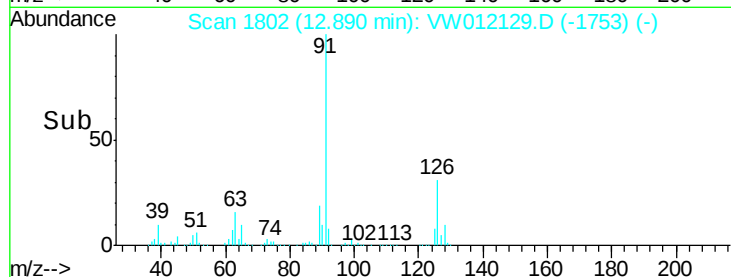
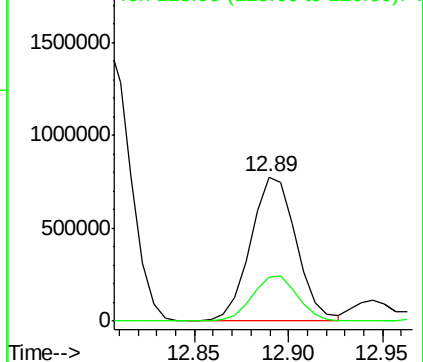
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 159.566 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012129.D

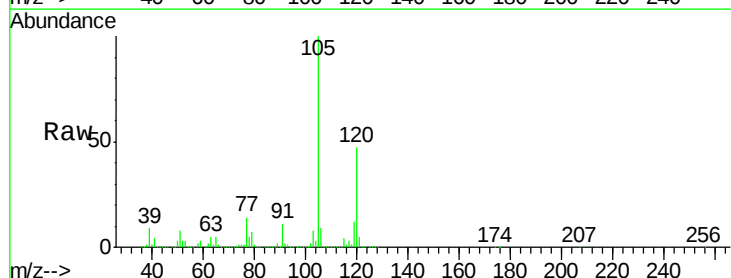
Acq: 23 Aug 2019 11:55

Tgt Ion:105 Resp: 1576853

Ion Ratio Lower Upper

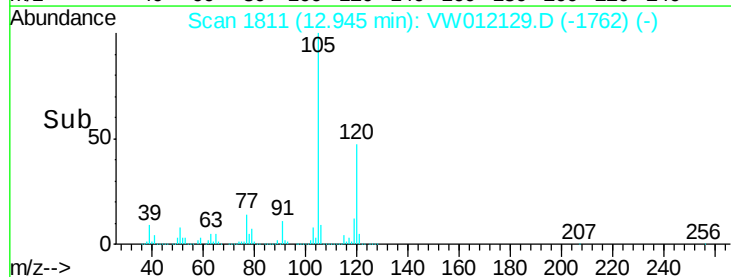
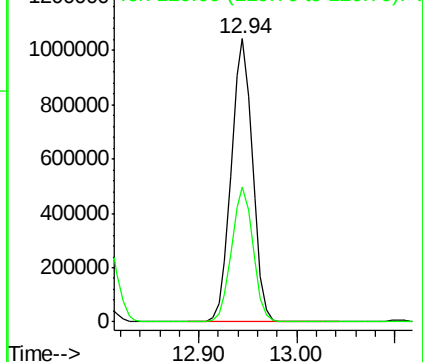
105 100

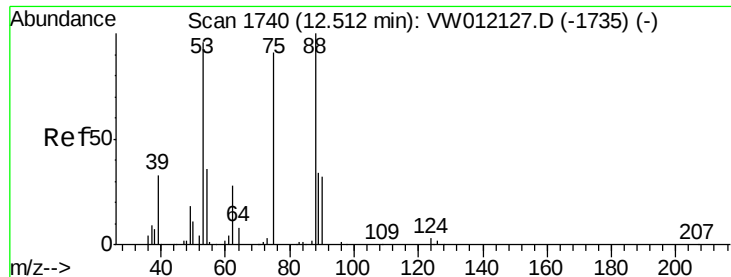
120 47.7 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





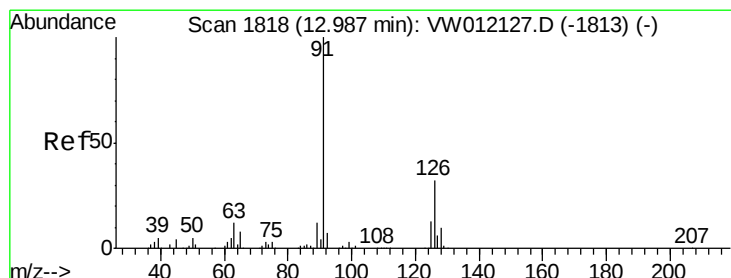
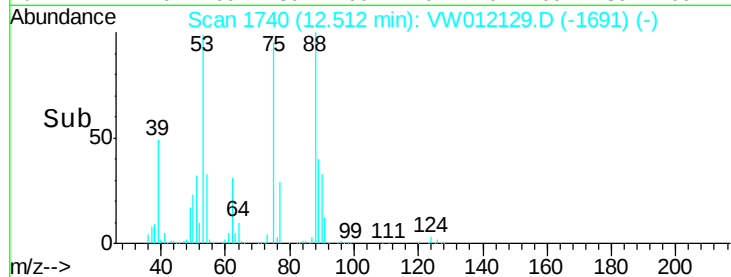
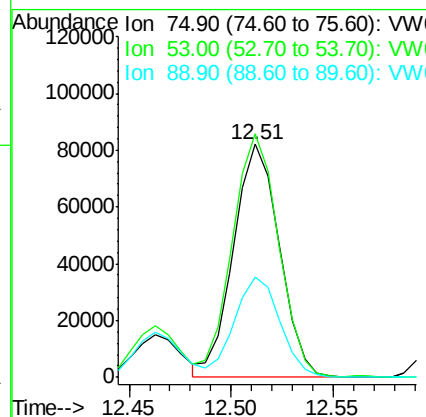
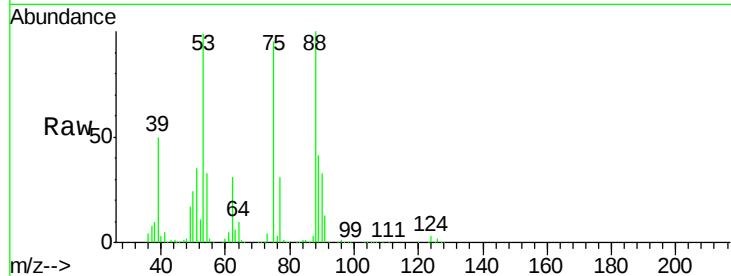
#81
trans-1,4-Dichloro-2-butene
Concen: 181.040 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.8	89.4	134.0
89	43.0	34.5	51.7

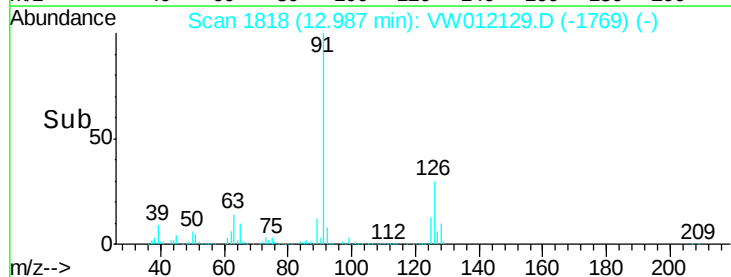
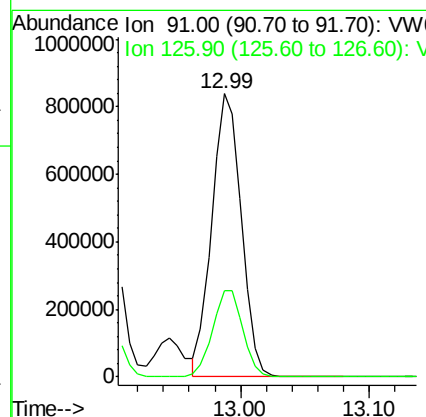
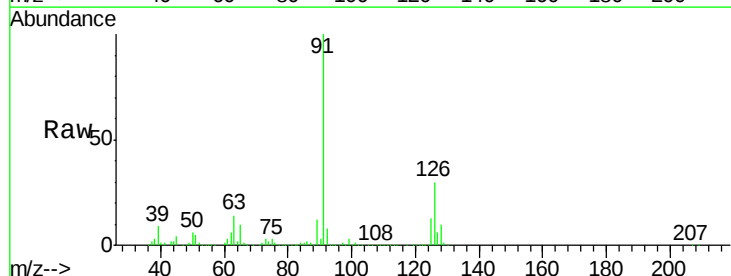
Manual Integrations
APPROVED

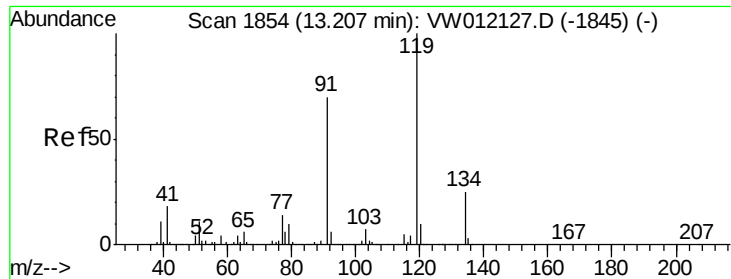
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8/26/2019 11:39:15 AM



#82
4-Chlorotoluene
Concen: 156.128 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.6	46.8





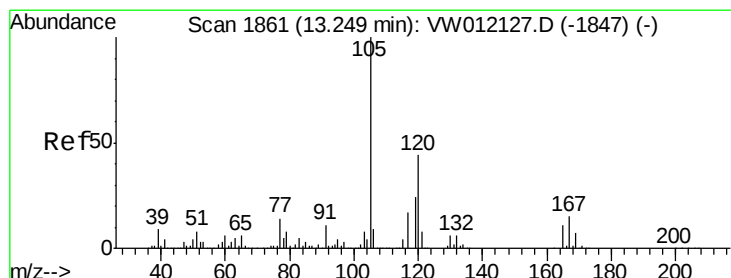
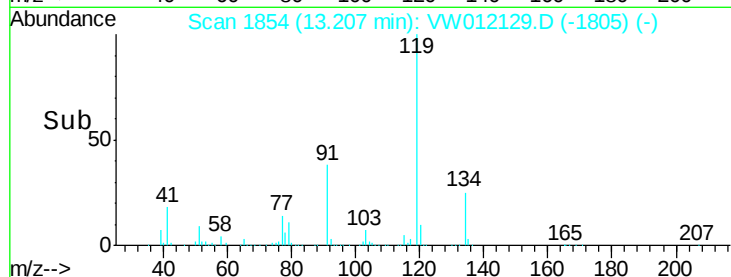
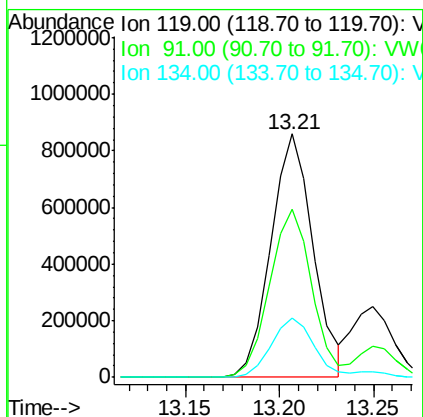
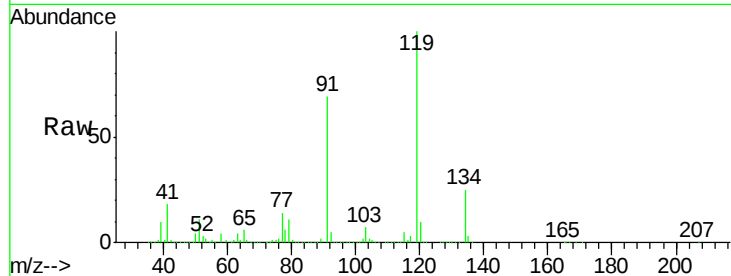
#83
tert-Butylbenzene
Concen: 159.505 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	34.8	104.3
134	24.7	13.3	39.8

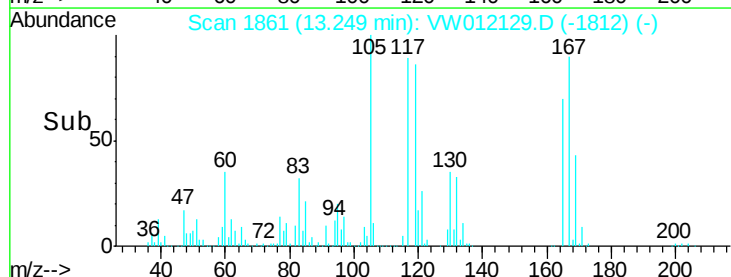
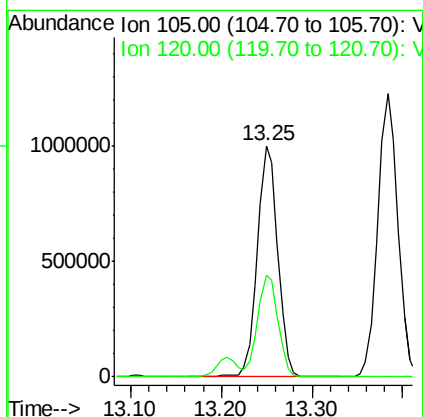
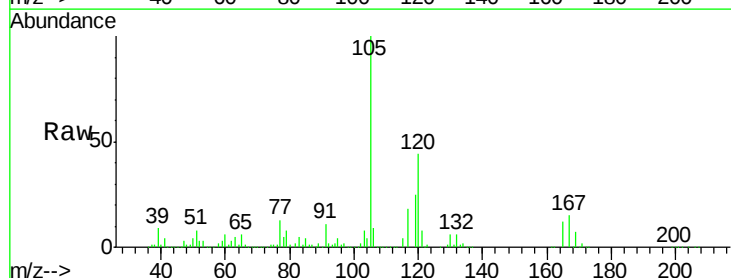
Manual Integrations
APPROVED

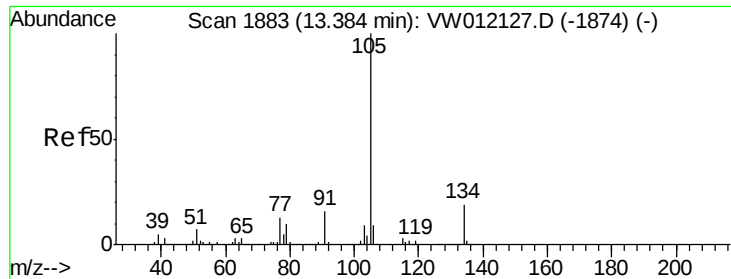
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 157.168 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.9	65.7





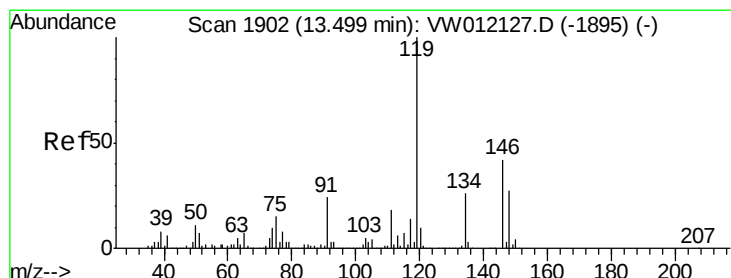
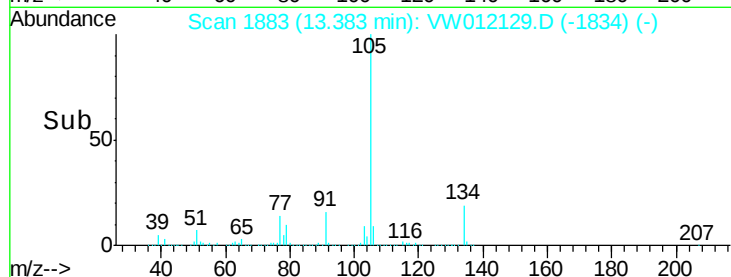
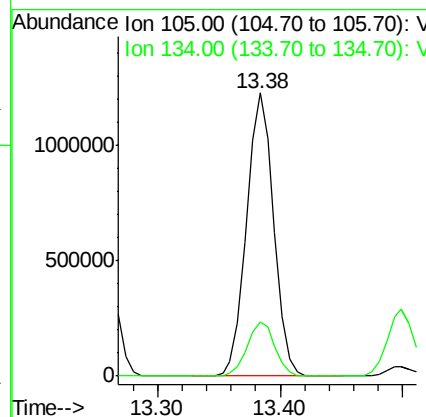
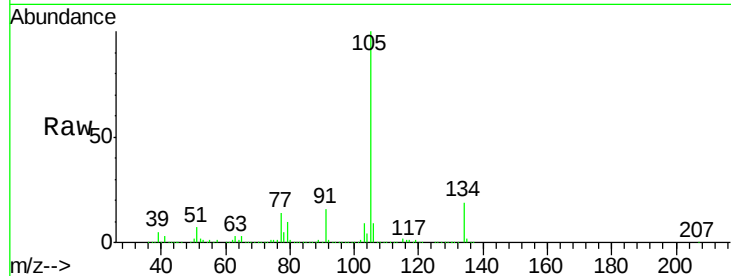
#85
 sec-Butylbenzene
 Concen: 157.174 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

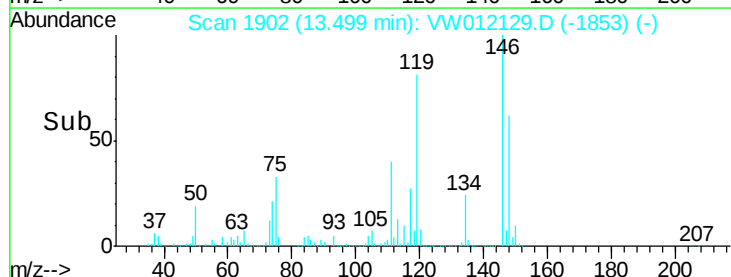
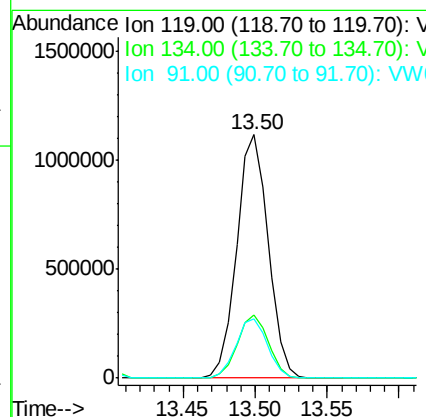
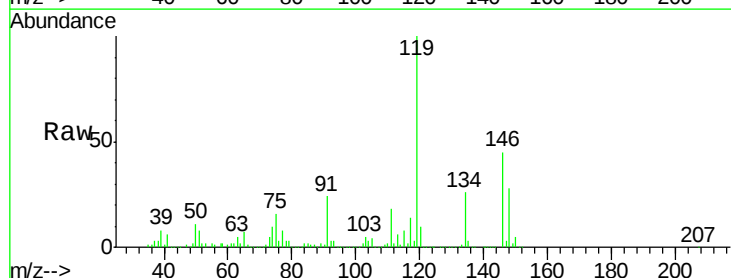
Manual Integrations
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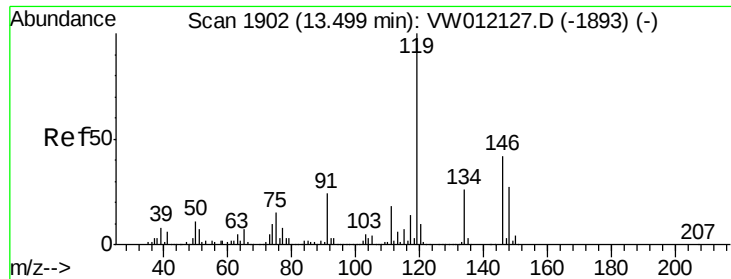
MMDadoda
 8/26/2019 11:39:15 AM



#86
 p-Isopropyltoluene
 Concen: 157.876 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.8	38.3
91	24.7	12.3	36.9





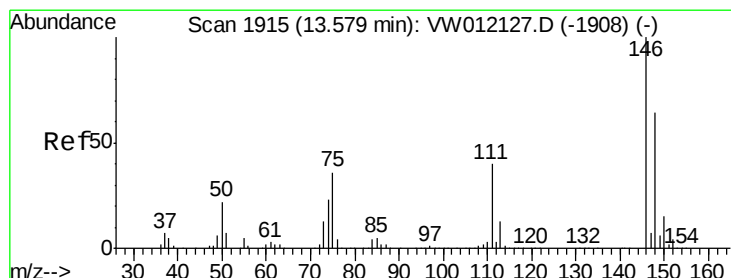
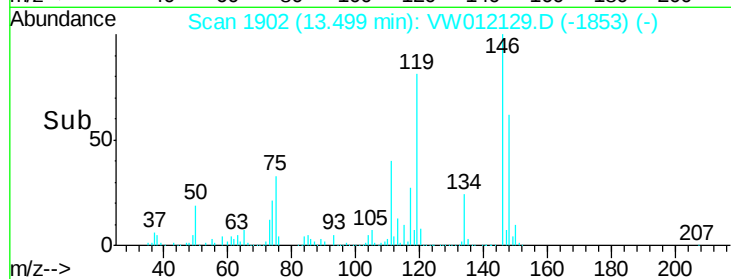
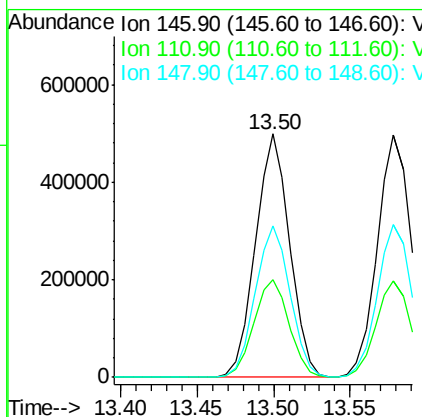
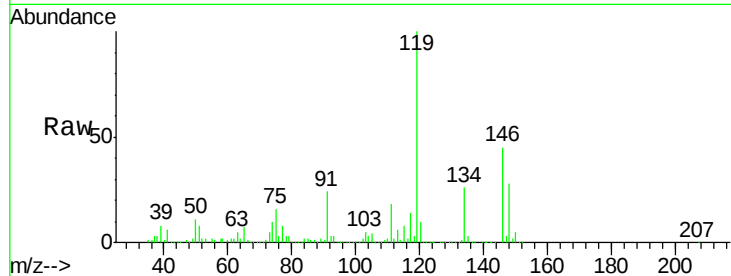
#87
 1,3-Dichlorobenzene
 Concen: 155.235 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	776853		
111	41.1	20.9	62.7	
148	63.5	32.2	96.6	

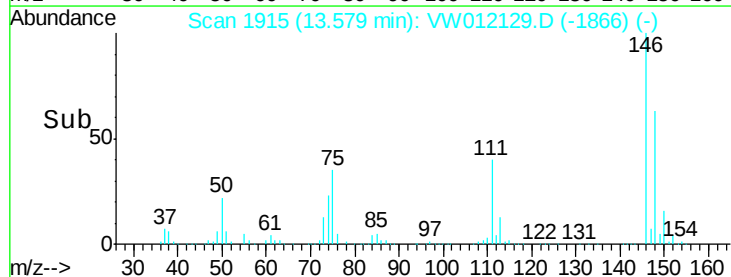
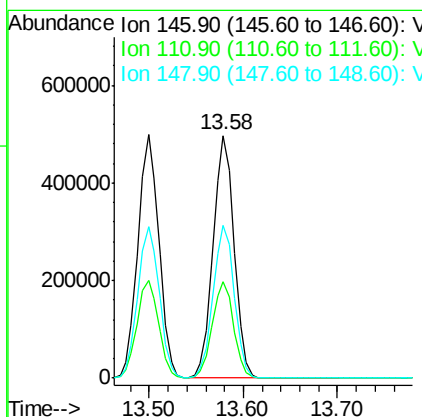
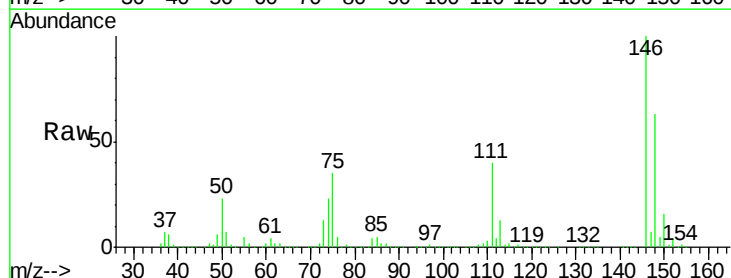
Manual Integrations
 APPROVED

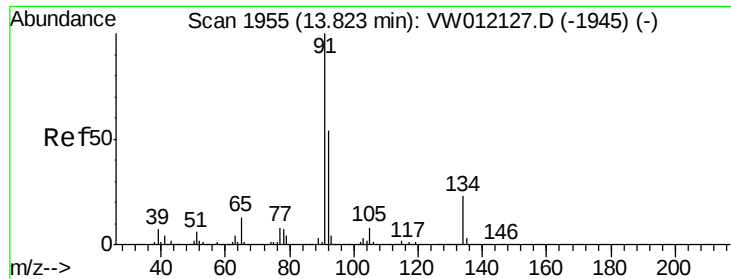
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 8/26/2019 11:39:15 AM



#88
 1,4-Dichlorobenzene
 Concen: 154.625 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	768328		
111	40.3	20.0	60.0	
148	63.5	32.1	96.3	





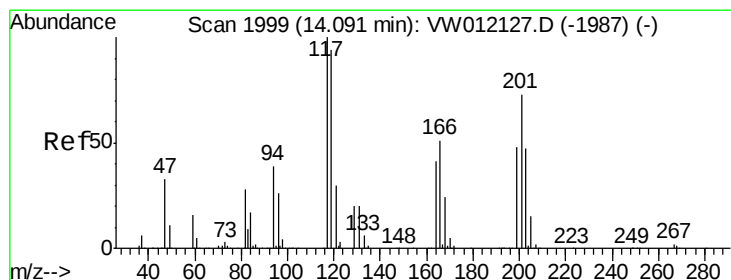
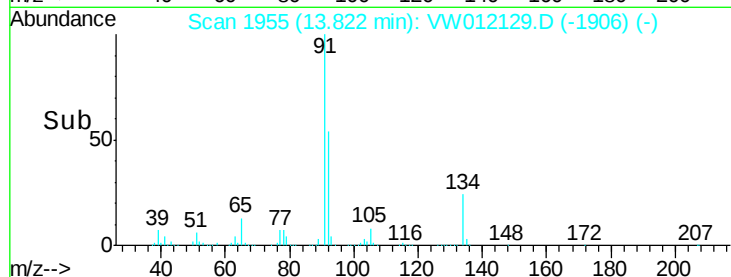
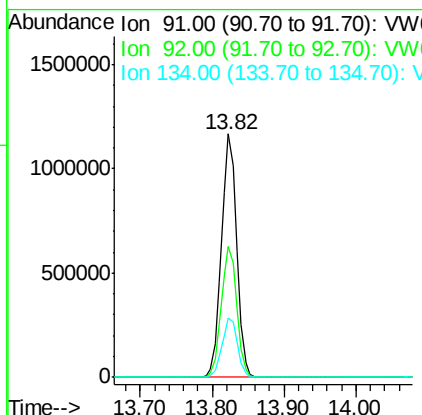
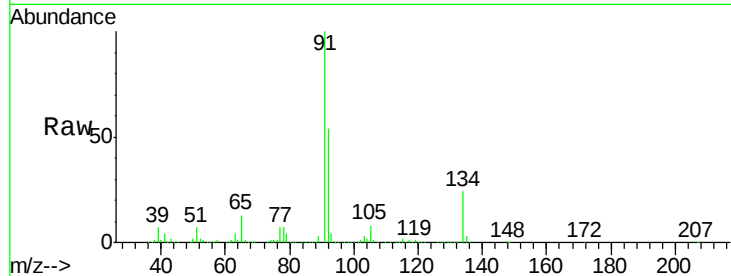
#89
n-Butylbenzene
Concen: 160.797 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.1	81.2
134	24.6	12.2	36.4

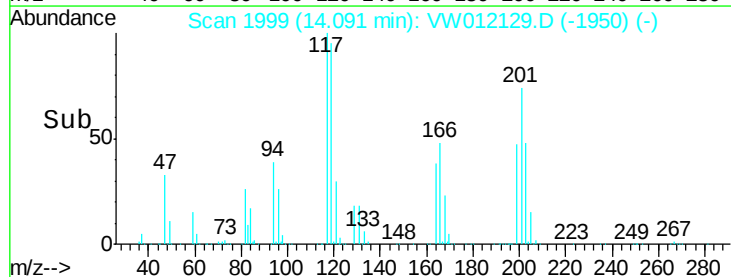
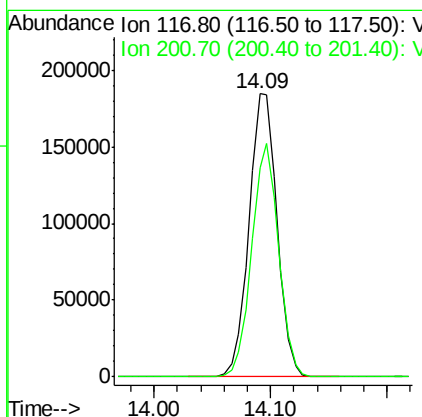
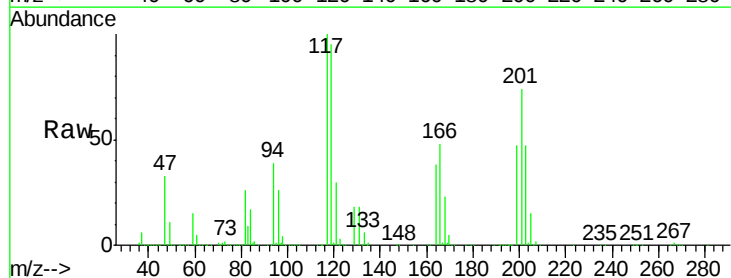
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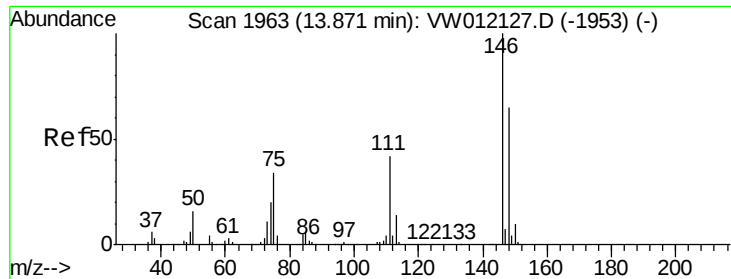
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#90
Hexachloroethane
Concen: 164.468 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.2	38.6	115.7





#91

1,2-Dichlorobenzene

Concen: 154.369 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

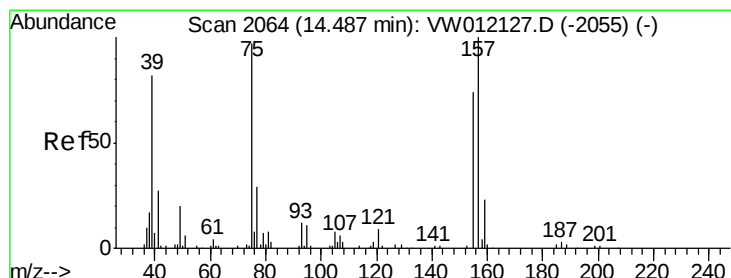
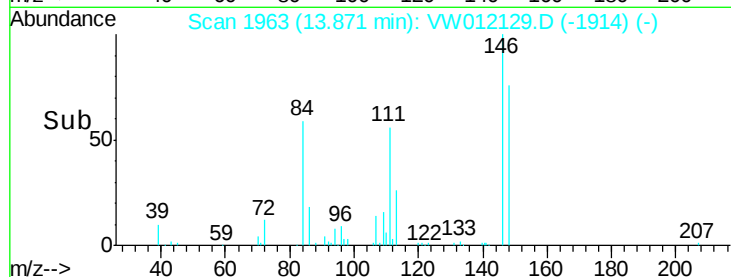
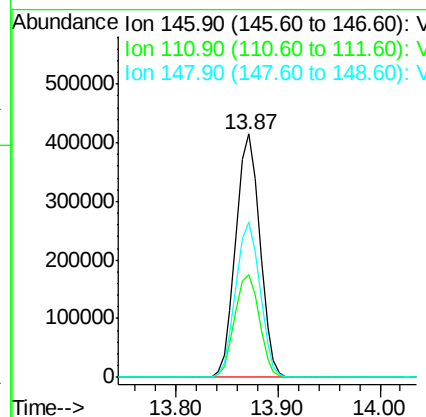
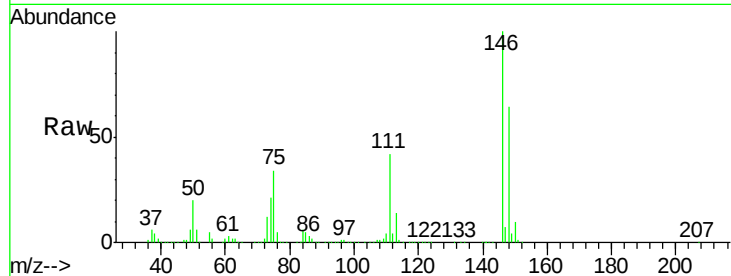
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	677700
Ion Ratio	Lower	Upper	
146	100		
111	43.2	21.2	63.6
148	64.2	32.5	97.4

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#92

1,2-Dibromo-3-Chloropropane

Concen: 168.243 ug/l

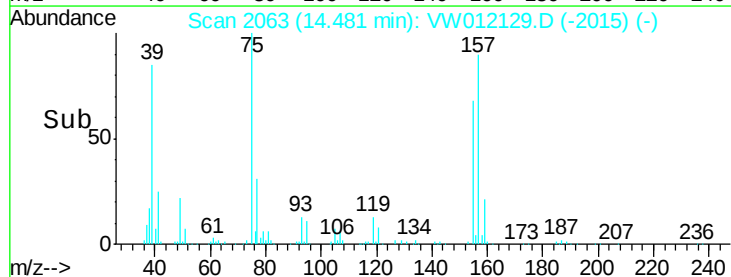
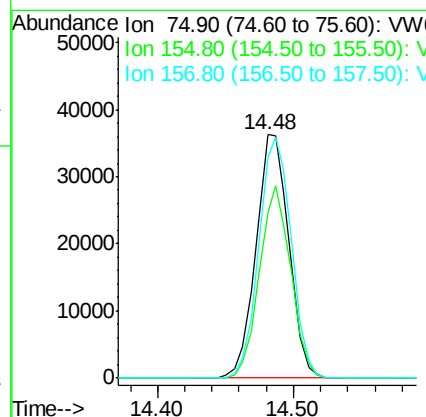
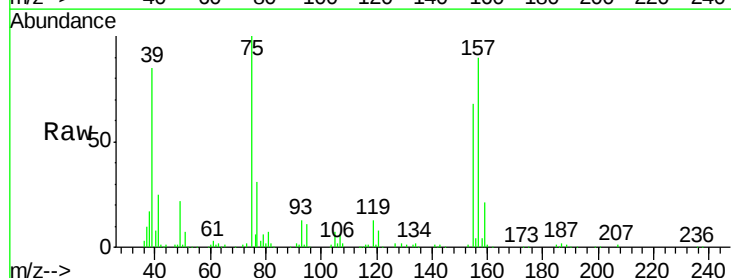
RT: 14.48 min Scan# 2063

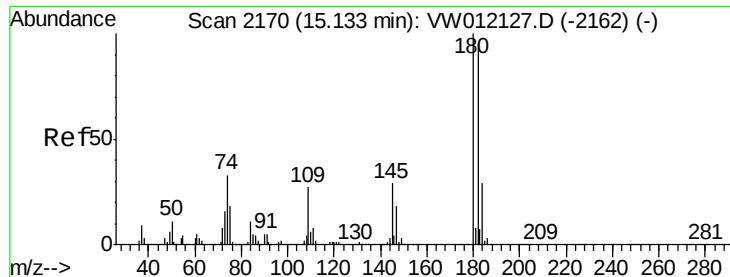
Delta R.T. -0.01 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Tgt Ion:	75	Resp:	61495
Ion Ratio	Lower	Upper	
75	100		
155	75.0	37.5	112.3
157	97.4	50.5	151.5





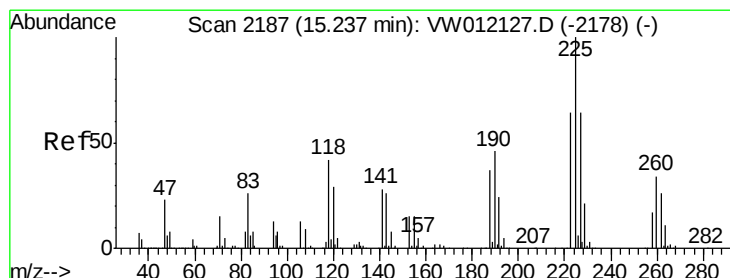
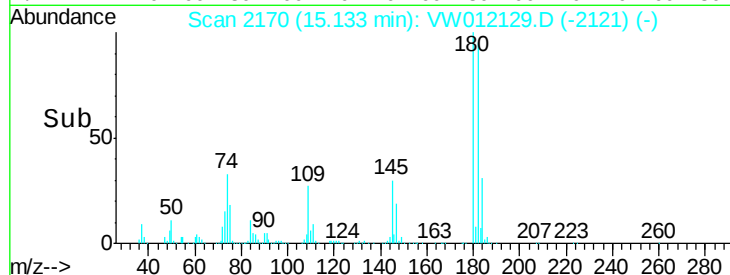
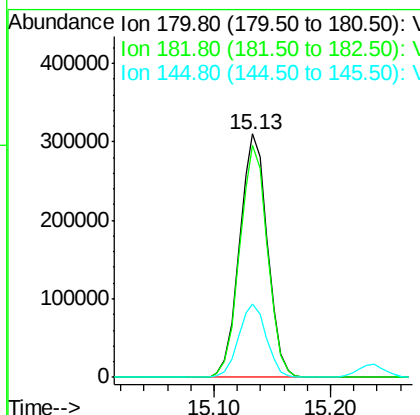
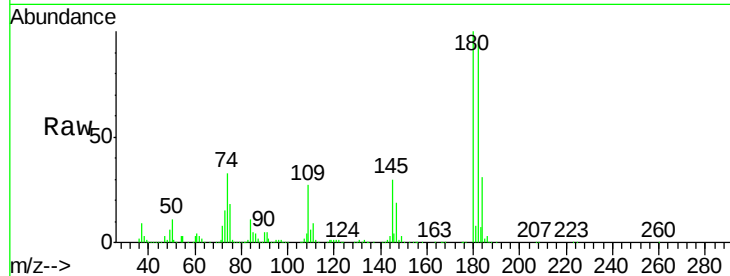
#93
 1,2,4-Trichlorobenzene
 Concen: 169.847 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	515292		
182	94.9	47.8	143.4	
145	30.0	15.0	45.1	

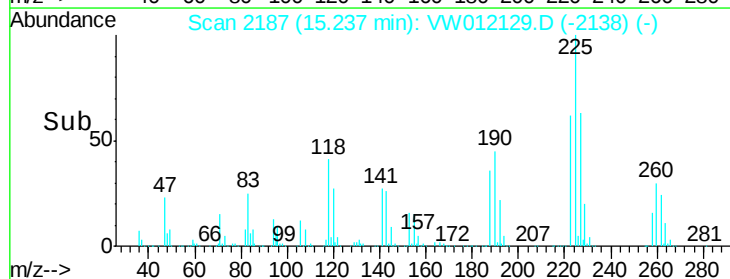
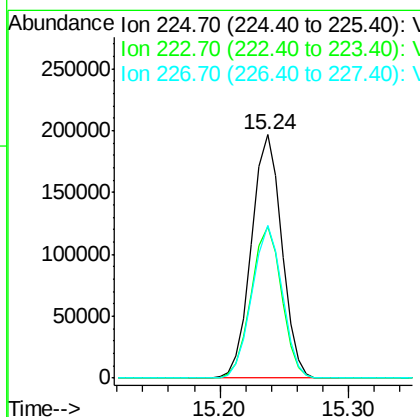
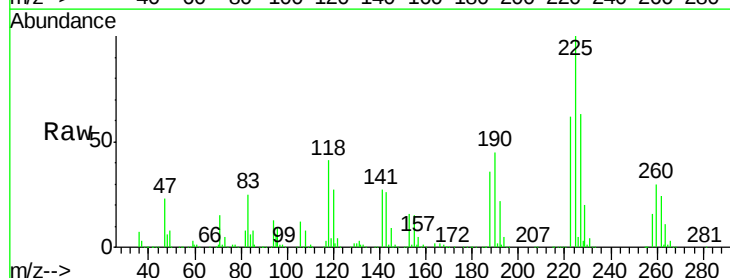
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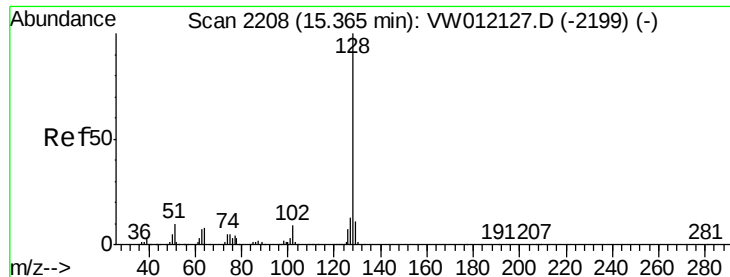
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#94
 Hexachlorobutadiene
 Concen: 159.472 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	319463		
223	62.5	32.3	96.8	
227	62.4	32.9	98.6	





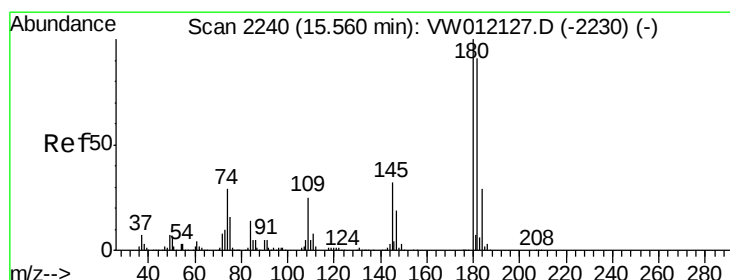
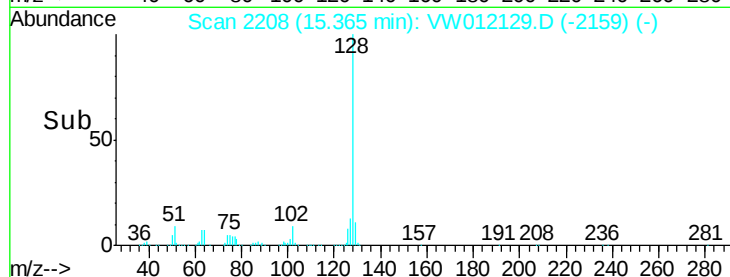
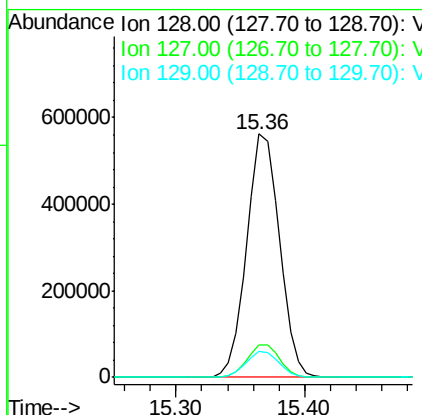
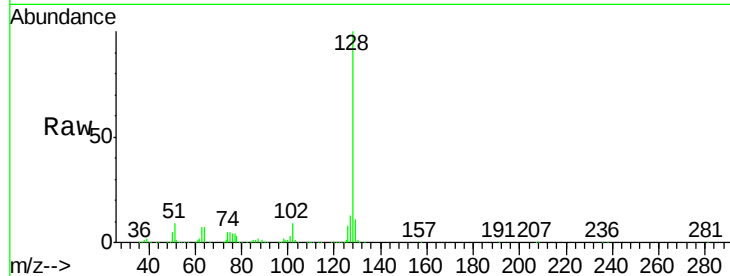
#95
Naphthalene
Concen: 186.433 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		990431		
127	13.4		10.7	16.1	
129	10.8		8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 168.745 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		446662		
182	96.2		47.1	141.3	
145	32.2		16.2	48.5	

