

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090719\
 Data File : VW012714.D
 Acq On : 07 Sep 2019 11:56
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:02:41 PM

Quant Time: Sep 08 05:01:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 04:47:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	215456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	314540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	283647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	134724	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	393566	163.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	326.96%	
35) Dibromofluoromethane	7.88	113	297573	159.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	318.26%	
50) Toluene-d8	10.32	98	1198714	163.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	327.24%	
62) 4-Bromofluorobenzene	12.62	95	419768	157.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	315.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	164689	140.997	ug/l	95
3) Chloromethane	2.21	50	181341	127.748	ug/l	98
4) Vinyl Chloride	2.36	62	235500	135.306	ug/l	98
5) Bromomethane	2.77	94	125625	132.918	ug/l	96
6) Chloroethane	2.91	64	141959	136.680	ug/l	97
7) Trichlorofluoromethane	3.25	101	183921	153.129	ug/l	95
8) Diethyl Ether	3.68	74	156611	155.141	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	268951	142.690	ug/l	99
10) Methyl Iodide	4.27	142	332008	139.923	ug/l	100
11) Tert butyl alcohol	5.20	59	160939	873.774	ug/l	99
12) 1,1-Dichloroethene	4.04	96	254785	143.195	ug/l	96
13) Acrolein	3.89	56	155531	795.727	ug/l	100
14) Allyl chloride	4.66	41	544548	147.946	ug/l	98
15) Acrylonitrile	5.37	53	504062	854.907	ug/l	99
16) Acetone	4.13	43	561530	855.608	ug/l	97
17) Carbon Disulfide	4.39	76	531770	140.799	ug/l	100
18) Methyl Acetate	4.67	43	264338	171.674	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	535492	151.753	ug/l	98
20) Methylene Chloride	4.91	84	274117	133.505	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	261255	143.903	ug/l	96
22) Diisopropyl ether	6.31	45	1072505	146.915	ug/l	97
23) Vinyl Acetate	6.25	43	3804120	822.254	ug/l	99
24) 1,1-Dichloroethane	6.21	63	575213	146.338	ug/l	99
25) 2-Butanone	7.17	43	775258	894.916	ug/l	100
26) 2,2-Dichloropropane	7.17	77	352018	141.793	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	313079	148.725	ug/l	99
28) Bromochloromethane	7.51	49	275023	152.378	ug/l	98
29) Tetrahydrofuran	7.53	42	456090	860.575	ug/l	99
30) Chloroform	7.67	83	552451	141.815	ug/l	100
31) Cyclohexane	7.95	56	467435	132.093	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	457593	144.913	ug/l	99
36) 1,1-Dichloropropene	8.08	75	414070	148.159	ug/l	100
37) Ethyl Acetate	7.25	43	306057	171.789	ug/l	100
38) Carbon Tetrachloride	8.07	117	422814	153.474	ug/l	99

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Quant Time: Sep 08 05:01:50 2019
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	469175	149.471	ug/l	98
40) Benzene	8.32	78	1151205	148.463	ug/l	99
41) Methacrylonitrile	7.48	41	192860	179.538	ug/l	96
42) 1,2-Dichloroethane	8.40	62	420670	154.150	ug/l	100
43) Isopropyl Acetate	8.42	43	590021	174.804	ug/l	99
44) Trichloroethene	9.09	130	299019	149.601	ug/l	94
45) 1,2-Dichloropropane	9.37	63	321017	149.266	ug/l	98
46) Dibromomethane	9.46	93	160060	157.168	ug/l	99
47) Bromodichloromethane	9.64	83	430579	153.676	ug/l	99
48) Methyl methacrylate	9.43	41	282786	175.312	ug/l	98
49) 1,4-Dioxane	9.46	88	69691	3464.376	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	1560310	880.966	ug/l	99
52) Toluene	10.38	92	722051	149.194	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	476989	165.559	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	518865	158.754	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	240827	157.953	ug/l	97
56) Ethyl methacrylate	10.65	69	383162	171.681	ug/l	99
57) 1,3-Dichloropropane	10.93	76	441666	156.584	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1024205	864.430	ug/l	99
59) 2-Hexanone	10.97	43	1146982	886.411	ug/l	100
60) Dibromochloromethane	11.13	129	288577	160.934	ug/l	99
61) 1,2-Dibromoethane	11.23	107	213150	152.487	ug/l	98
64) Tetrachloroethene	10.86	164	250686	145.654	ug/l	97
65) Chlorobenzene	11.66	112	763759	142.465	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	295140	147.832	ug/l	99
67) Ethyl Benzene	11.73	91	1461288	145.278	ug/l	99
68) m/p-Xylenes	11.84	106	1059758	291.890	ug/l	100
69) o-Xylene	12.16	106	501114	146.299	ug/l	99
70) Styrene	12.18	104	897206	148.232	ug/l	99
71) Bromoform	12.35	173	181814	163.913	ug/l #	99
73) Isopropylbenzene	12.46	105	1452851	150.355	ug/l	99
74) N-amyl acetate	12.27	43	528525	172.320	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	307174	158.291	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	216086m	163.440	ug/l	
77) Bromobenzene	12.75	156	323812	147.914	ug/l	98
78) n-propylbenzene	12.80	91	1729401	149.645	ug/l	100
79) 2-Chlorotoluene	12.89	91	980444	147.783	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1214876	149.206	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	111952	171.882	ug/l	99
82) 4-Chlorotoluene	12.99	91	1032737	147.164	ug/l	100
83) tert-Butylbenzene	13.21	119	1062656	147.603	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	1204006	146.751	ug/l	99
85) sec-Butylbenzene	13.38	105	1465570	146.700	ug/l	100
86) p-Isopropyltoluene	13.50	119	1345250	147.421	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	621022	144.324	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	615508	143.752	ug/l	99
89) n-Butylbenzene	13.82	91	1325954	149.672	ug/l	100
90) Hexachloroethane	14.09	117	244687	153.599	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	566905	146.376	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	62547	176.123	ug/l	95

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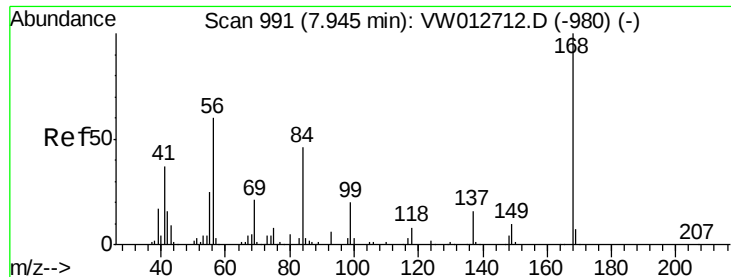
Manual Integrations
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MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	434436	161.115	ug/l	98
94) Hexachlorobutadiene	15.24	225	270846	145.118	ug/l	99
95) Naphthalene	15.36	128	926735	184.598	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	387455	162.787	ug/l	99

(#) = 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: VW012714.D

Acq: 07 Sep 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 215456

Ion Ratio Lower Upper

168 100

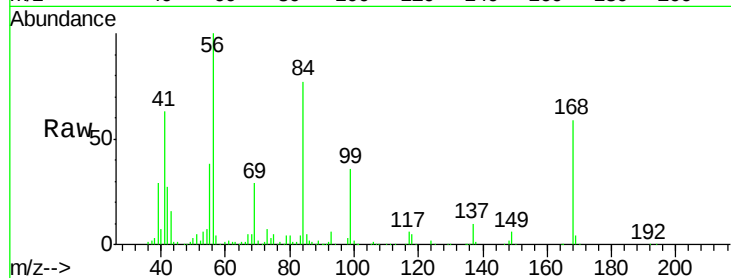
99 61.0 47.8 71.6

Manual Integrations

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9/10/2019 1:02:41 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

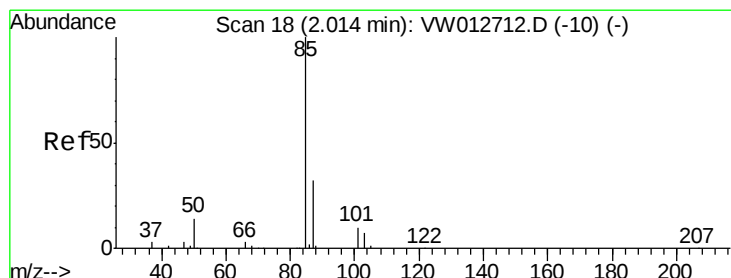
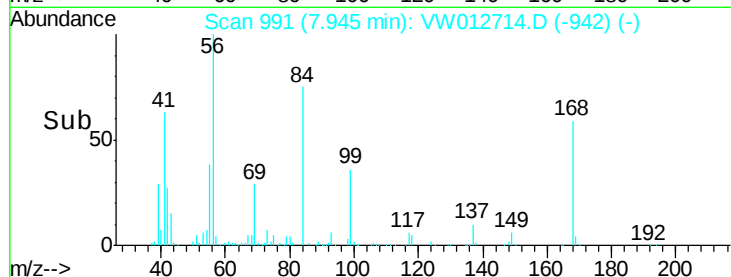
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50000

0

7.90 7.95

Time-->



#2

Dichlorodifluoromethane

Concen: 140.997 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012714.D

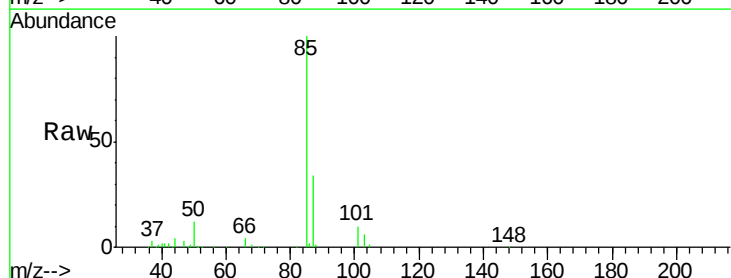
Acq: 07 Sep 2019 11:56

Tgt Ion: 85 Resp: 164689

Ion Ratio Lower Upper

85 100

87 34.3 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

60000

50000

40000

30000

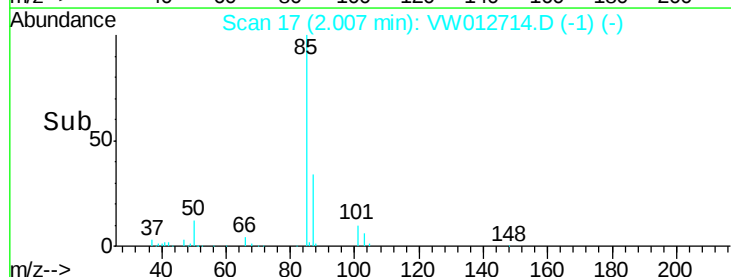
20000

10000

0

2.00 2.01

Time-->





#3

Chloromethane

Concen: 127.748 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 181341

Ion Ratio Lower Upper

50 100

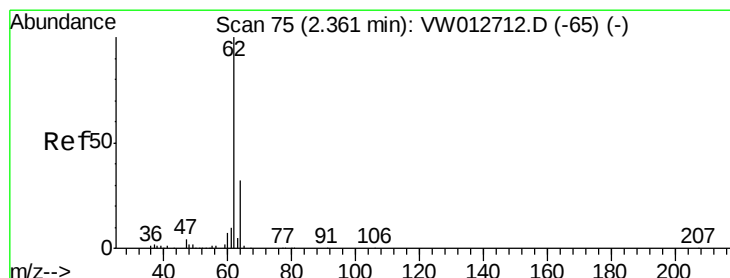
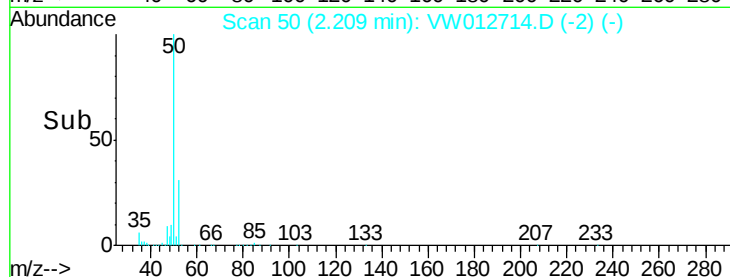
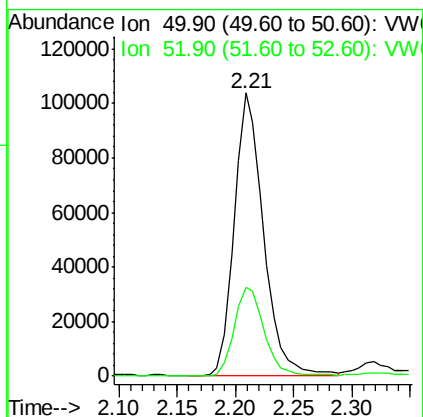
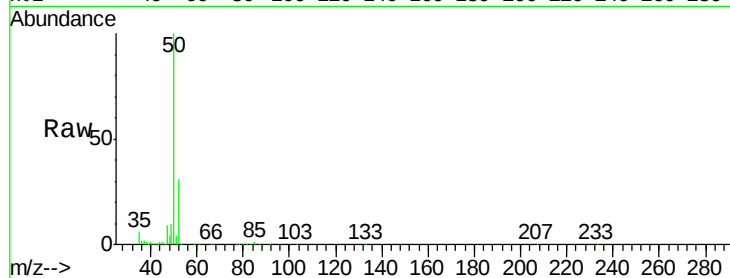
52 31.5 24.2 36.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 135.306 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW012714.D

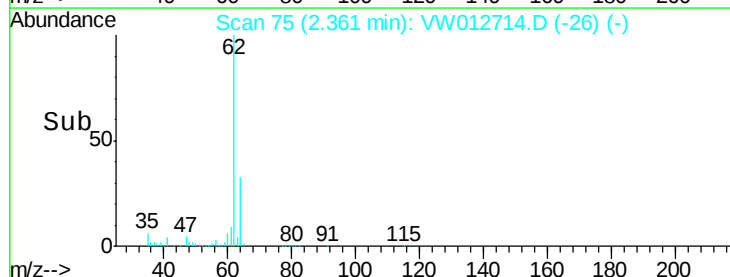
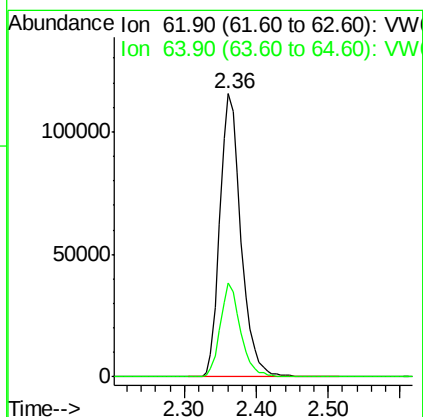
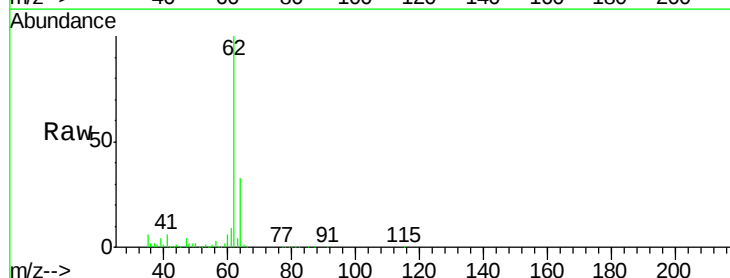
Acq: 07 Sep 2019 11:56

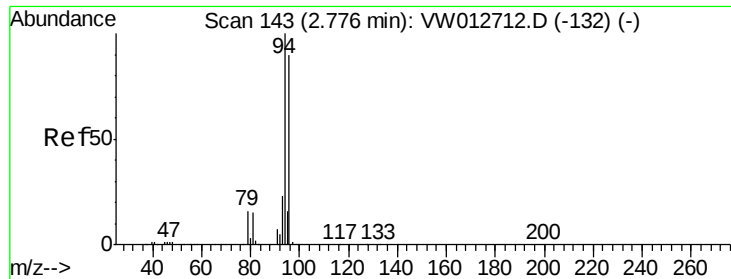
Tgt Ion: 62 Resp: 235500

Ion Ratio Lower Upper

62 100

64 33.0 25.3 37.9





#5

Bromomethane

Concen: 132.918 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 125625

Ion Ratio Lower Upper

94 100

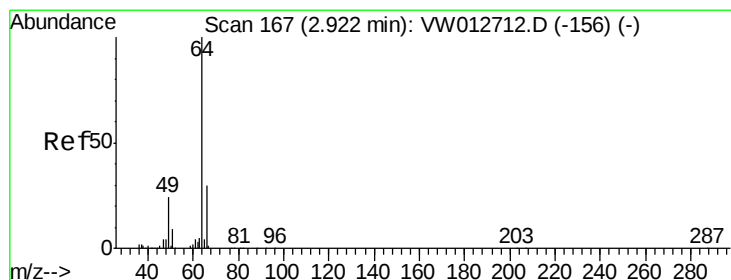
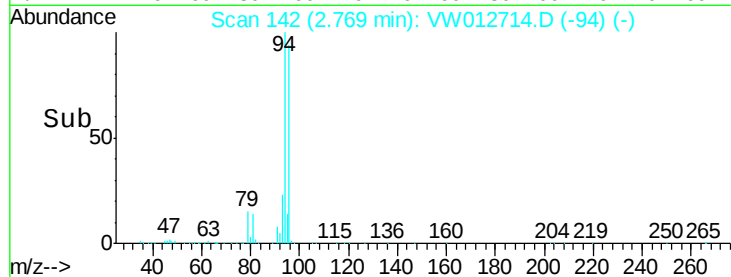
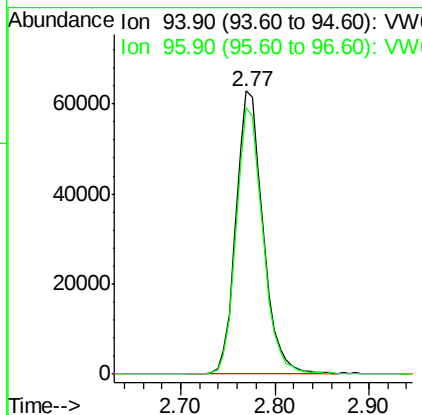
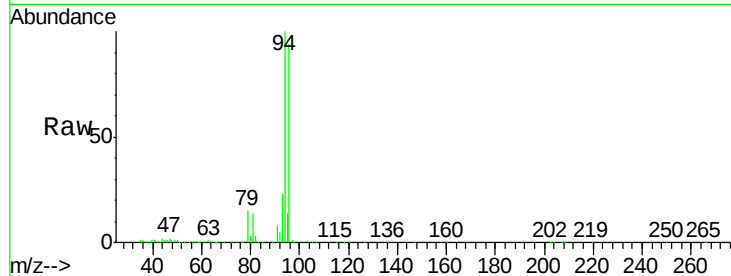
96 94.0 72.1 108.1

Manual Integrations

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#6

Chloroethane

Concen: 136.680 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012714.D

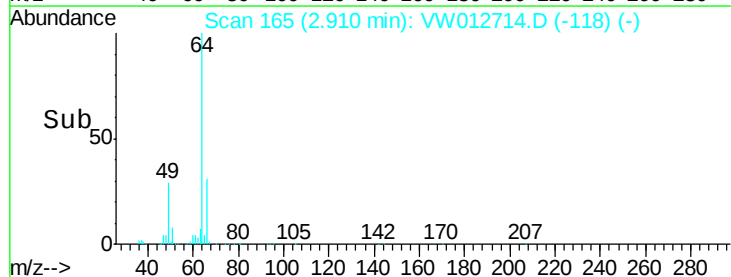
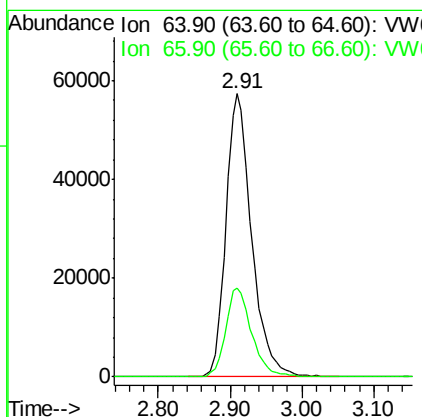
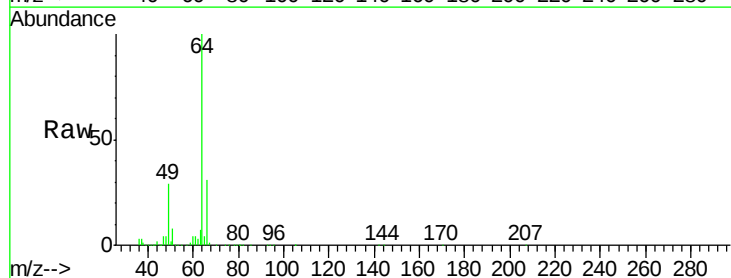
Acq: 07 Sep 2019 11:56

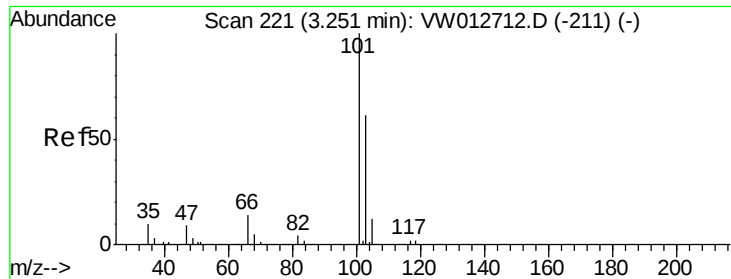
Tgt Ion: 64 Resp: 141959

Ion Ratio Lower Upper

64 100

66 31.3 23.8 35.6





#7

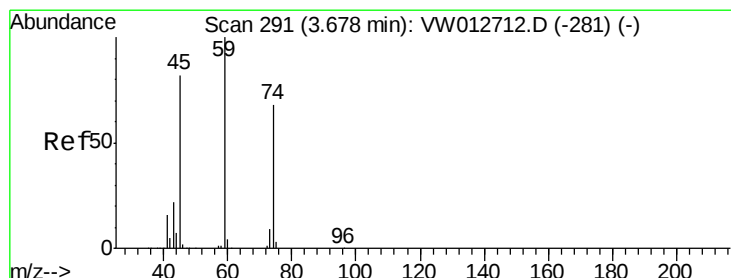
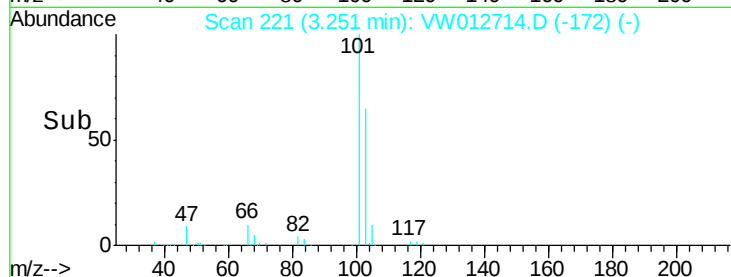
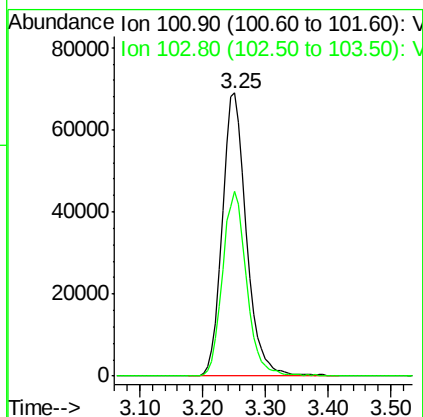
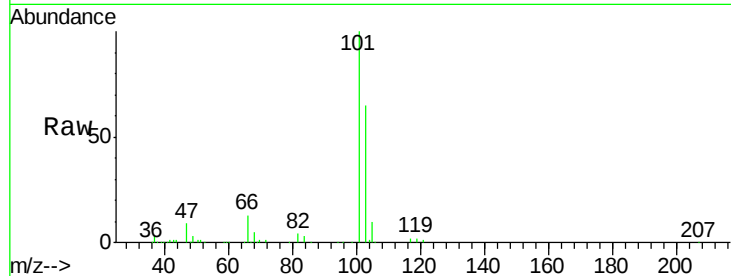
Trichlorofluoromethane
Concen: 153.129 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW012714.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	183921		
103	65.4	49.0	73.4	

Manual Integrations
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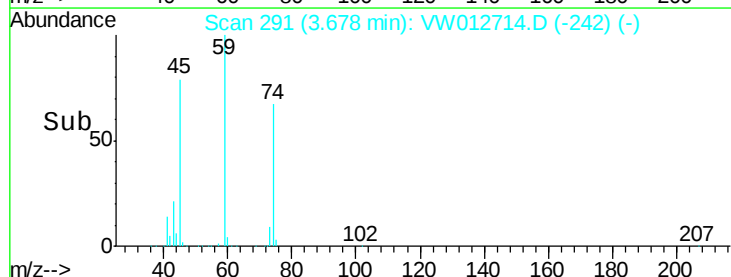
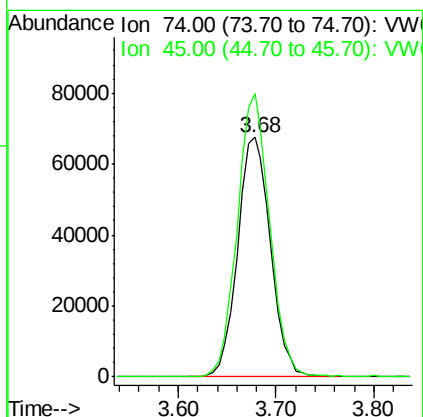
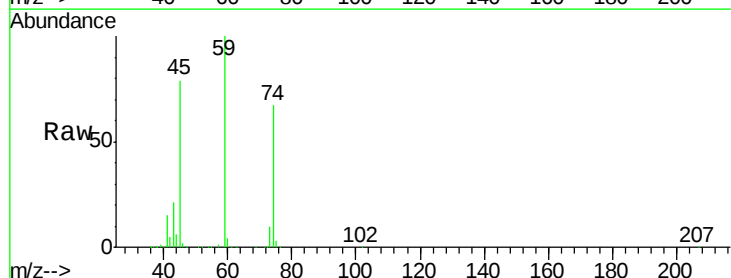
MMDadoda
9/10/2019 1:02:41 PM

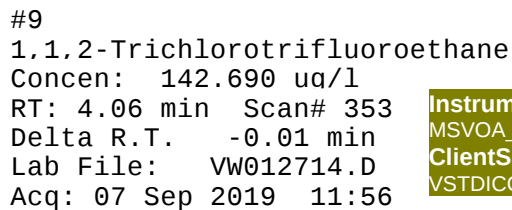


#8

Diethyl Ether
Concen: 155.141 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	156611		
45	116.4	58.8	176.4	



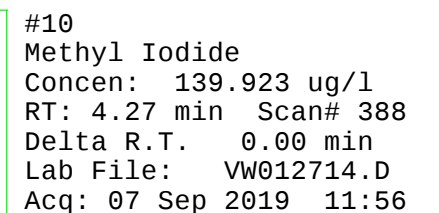
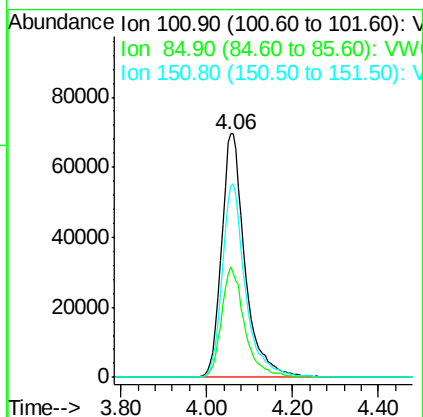


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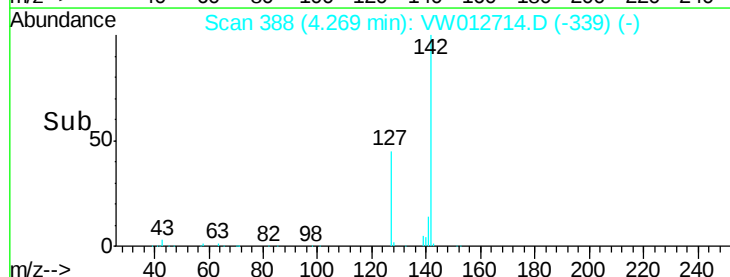
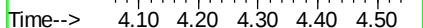
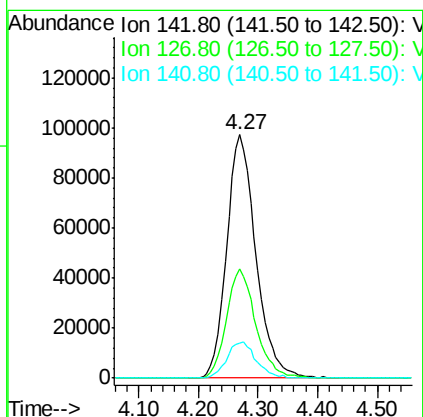
Tot	Ion:101	Resp:	268951
Ion	Ratio	Lower	Upper
101	100		
85	44.8	36.2	54.2
151	78.3	61.9	92.9

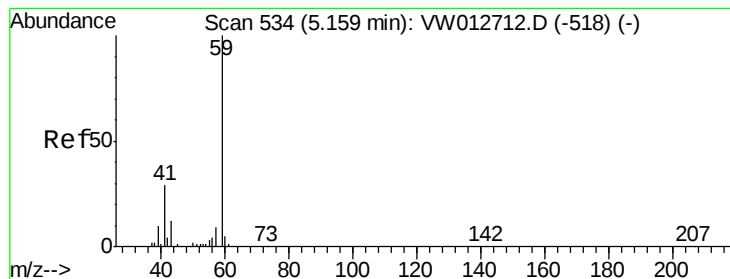
Manual Integrations
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Tgt	Ion:142	Resp:	332008
Ion	Ratio	Lower	Upper
142	100		
127	44.8	36.0	54.0
141	14.9	12.2	18.4





#11

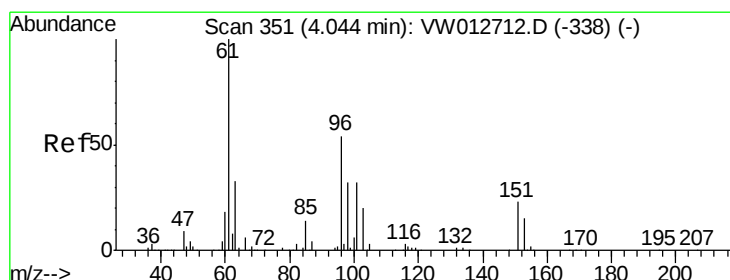
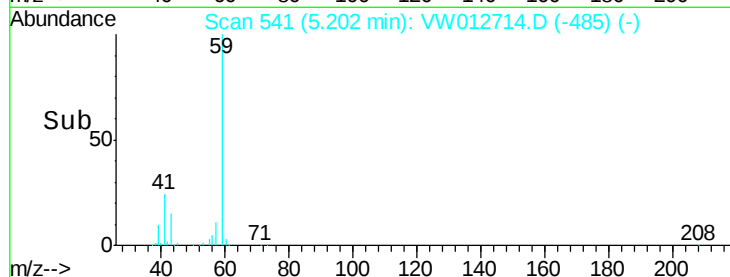
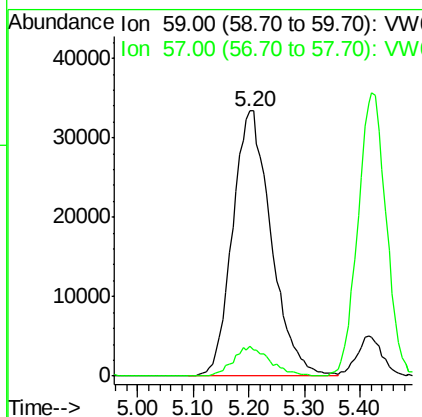
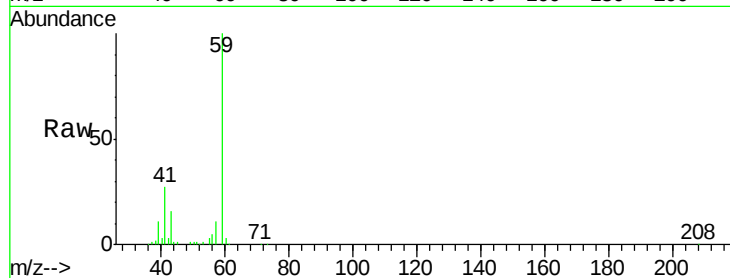
Tert butyl alcohol
Concen: 873.774 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.04 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
59	100	160939		
57	10.6		8.2	12.4

Manual Integrations
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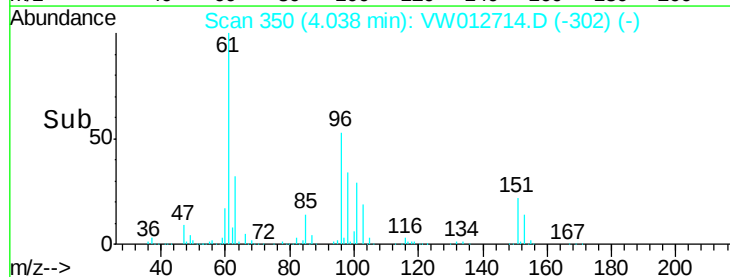
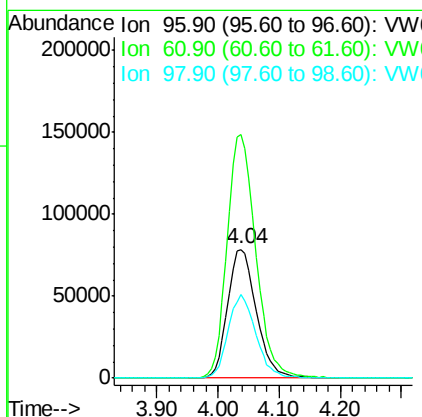
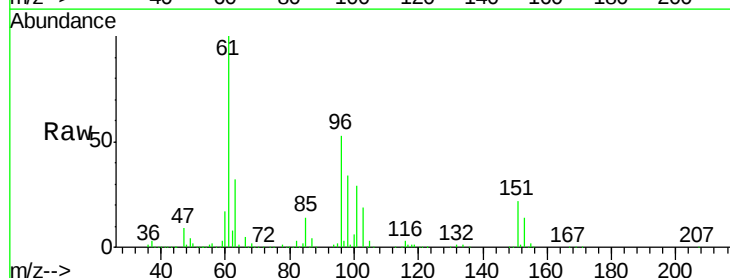
MMDadoda
9/10/2019 1:02:41 PM

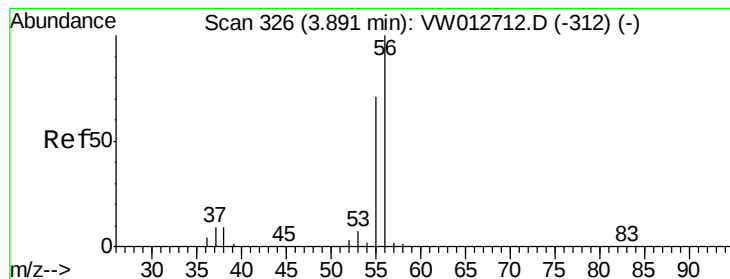


#12

1,1-Dichloroethene
Concen: 143.195 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	254785		
61	188.8		147.8	221.6
98	64.8		47.9	71.9





#13

Acrolein

Concen: 795.727 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 155531

Ion Ratio Lower Upper

56 100

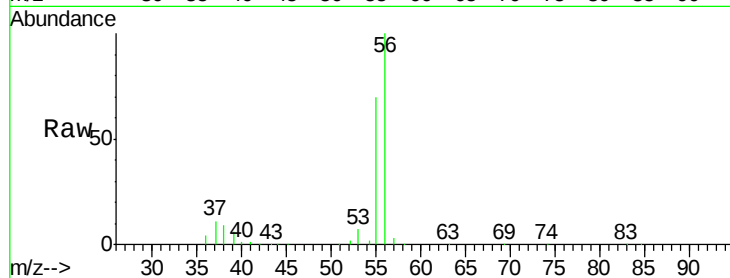
55 71.4 56.9 85.3

Manual Integrations

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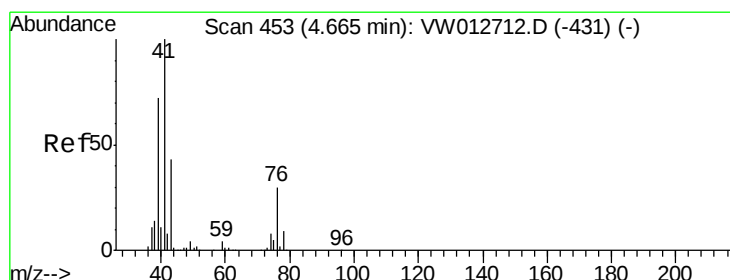
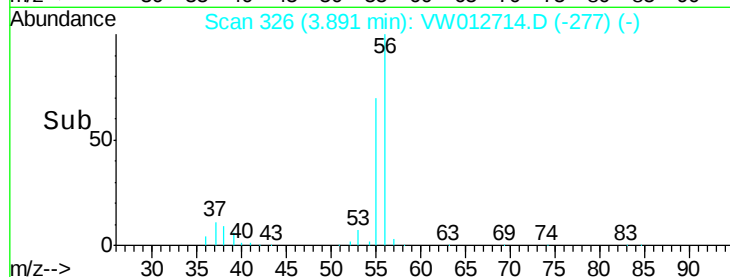
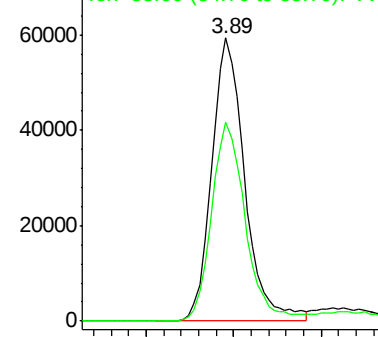
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 147.946 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

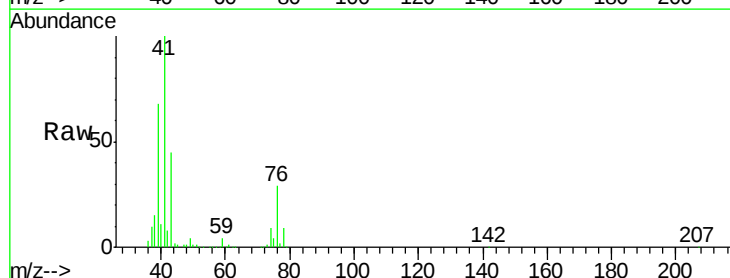
Tgt Ion: 41 Resp: 544548

Ion Ratio Lower Upper

41 100

39 67.2 55.0 82.6

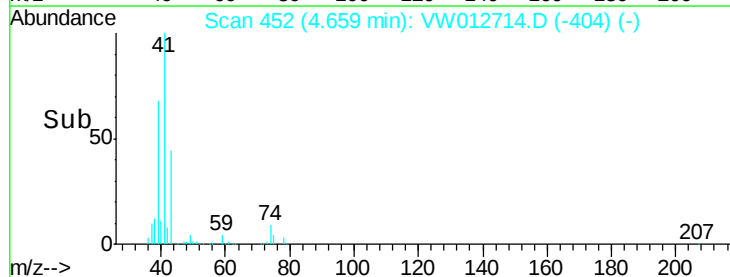
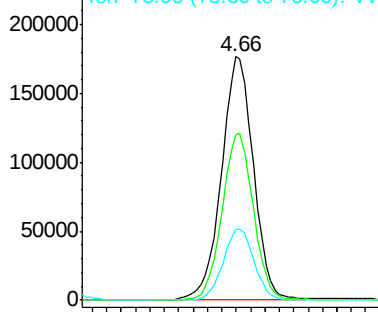
76 28.2 23.0 34.4

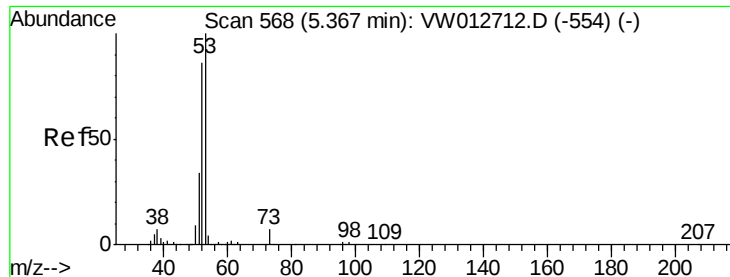


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 854.907 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Instrument :

MSVOA_W

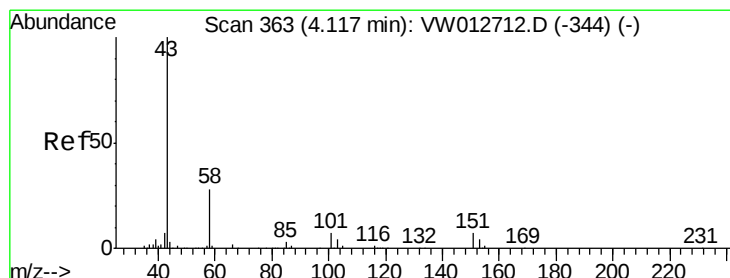
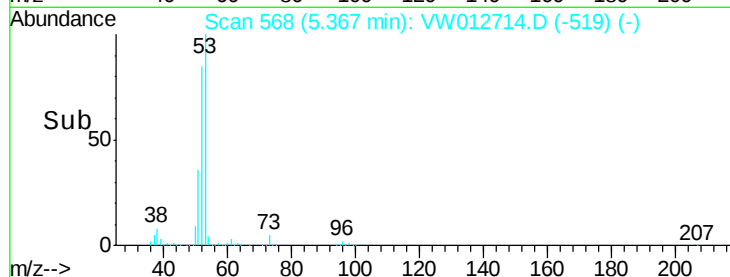
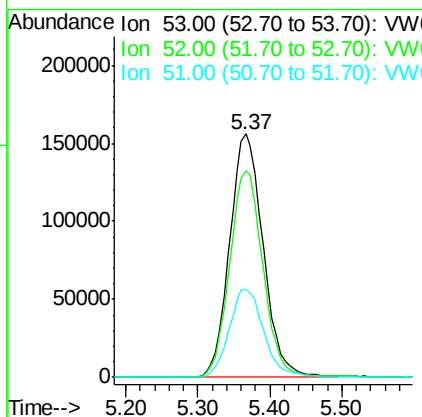
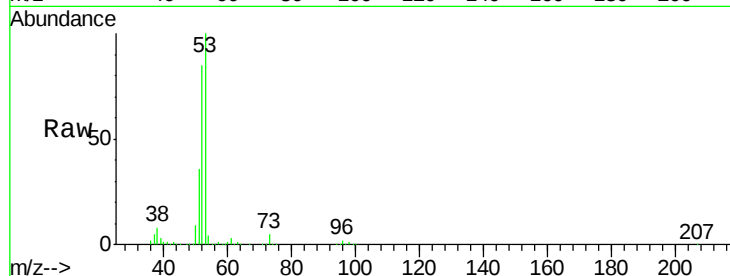
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	504062
Ion Ratio	Lower	Upper	
53	100		
52	84.4	67.0	100.4
51	37.5	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 855.608 ug/l

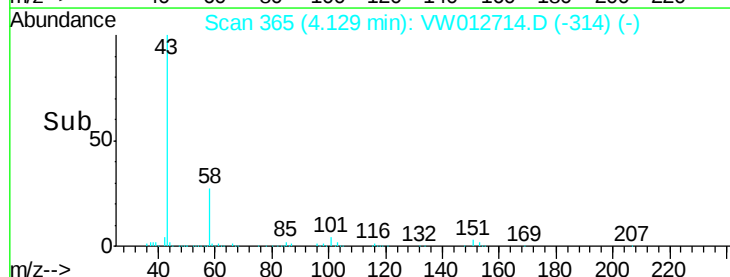
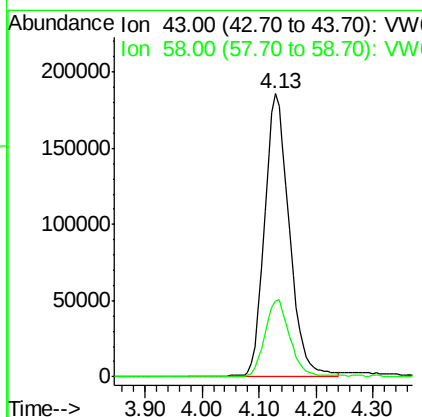
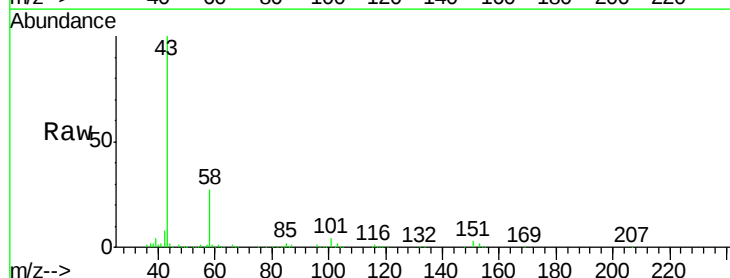
RT: 4.13 min Scan# 365

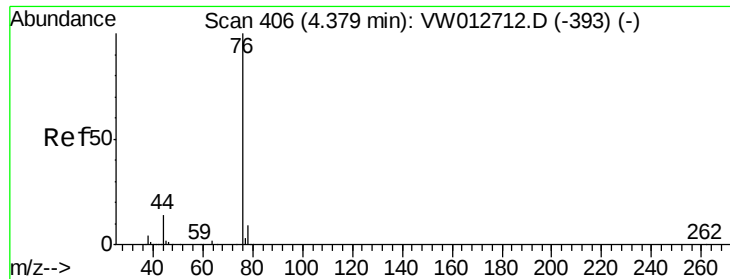
Delta R.T. 0.01 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Tgt Ion:	43	Resp:	561530
Ion Ratio	Lower	Upper	
43	100		
58	26.8	22.6	33.8





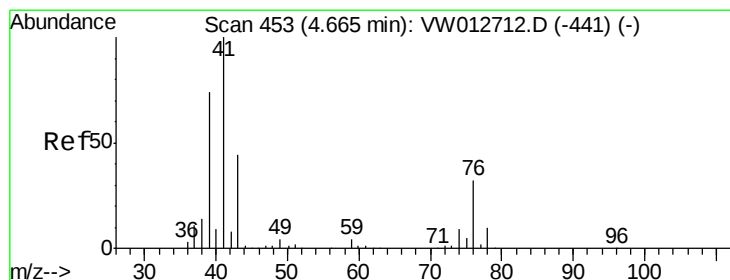
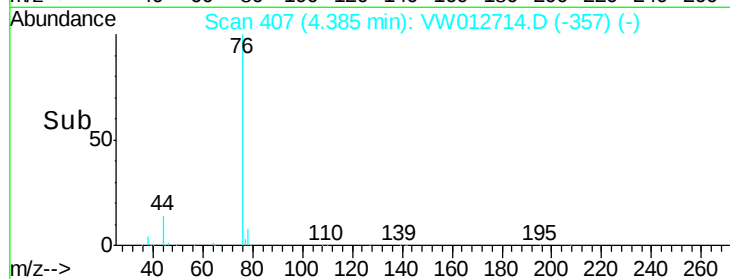
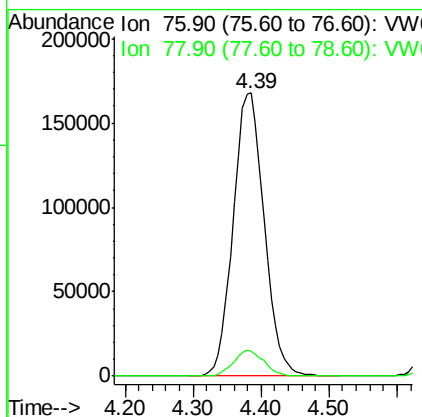
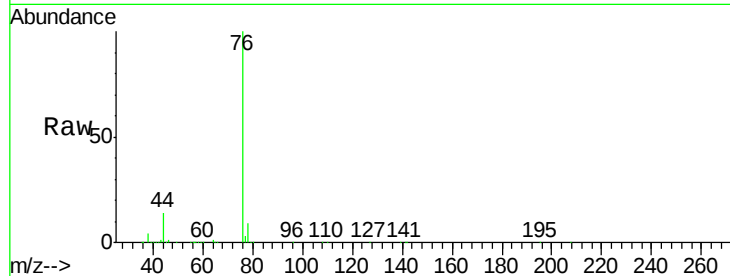
#17
Carbon Disulfide
Concen: 140.799 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

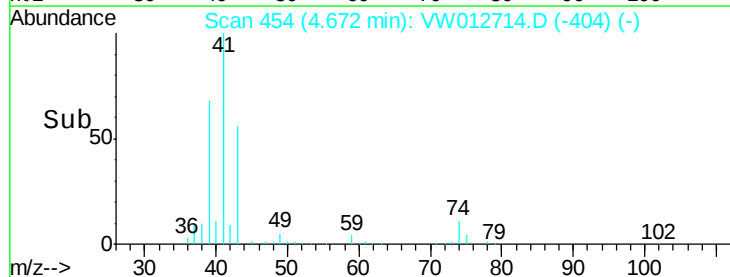
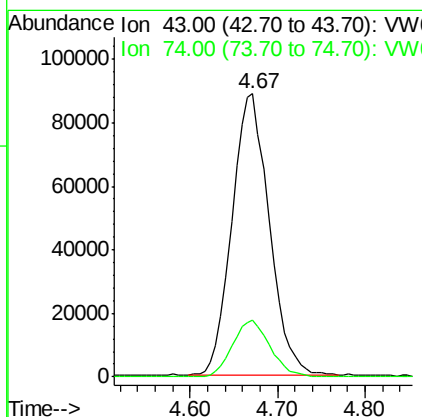
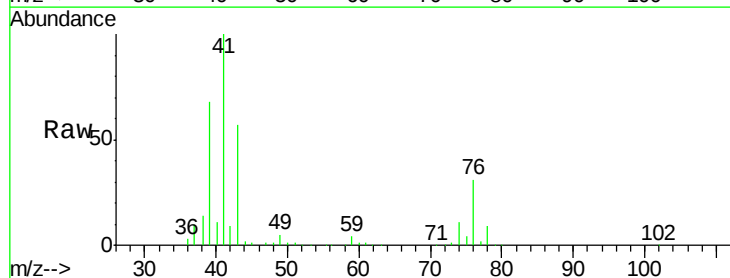
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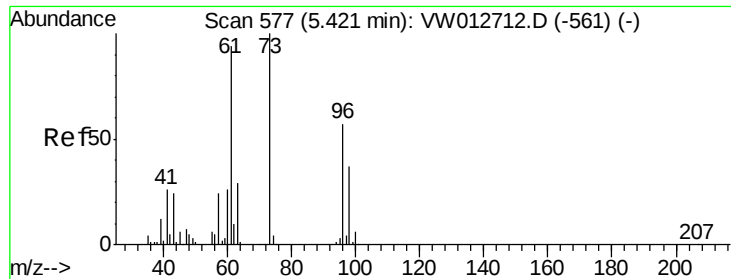
MMDadoda
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#18
Methyl Acetate
Concen: 171.674 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	15.8	23.6





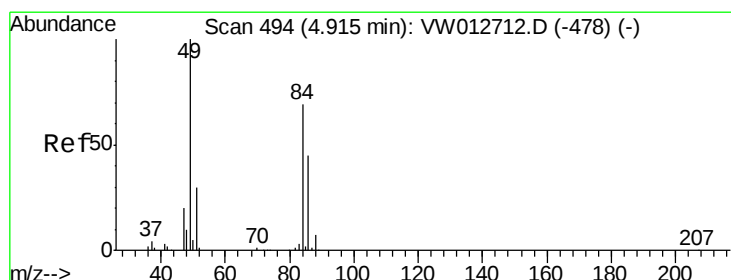
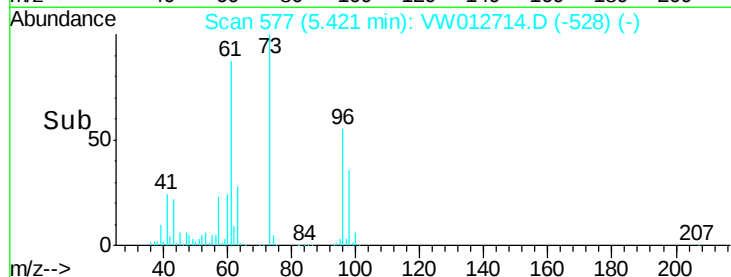
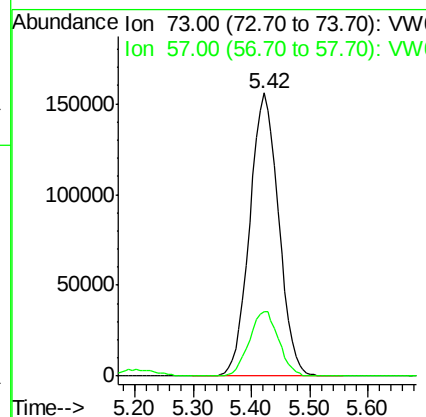
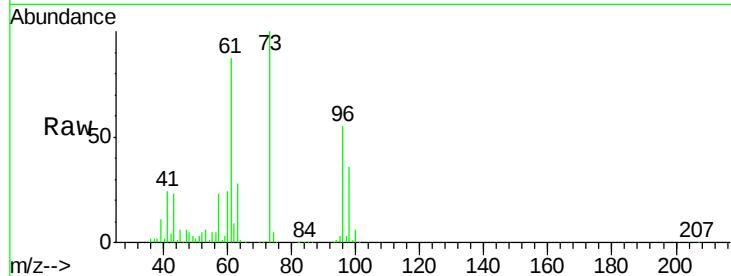
#19
Methvl tert-butvl Ether
Concen: 151.753 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 535492
Ion Ratio Lower Upper
73 100
57 22.8 19.2 28.8

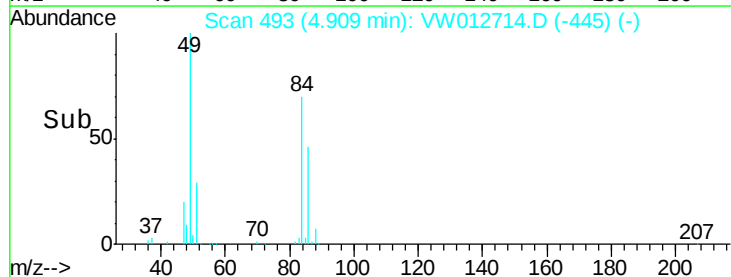
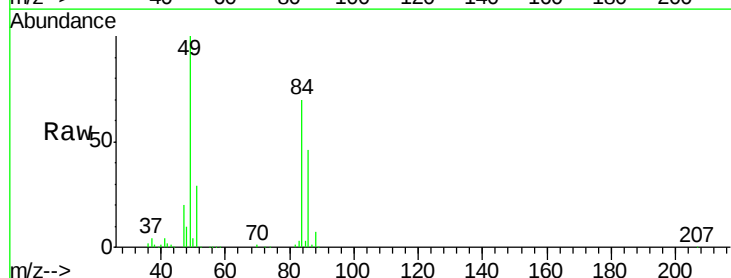
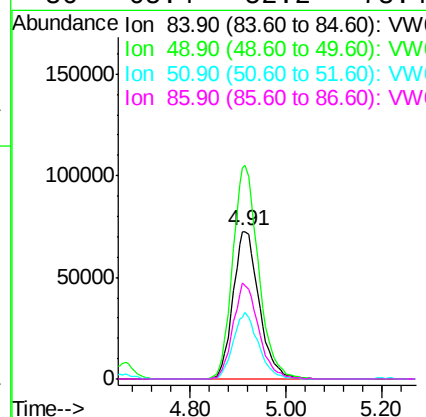
Manual Integrations
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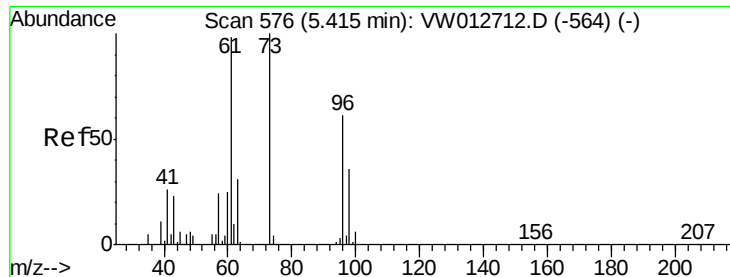
MMDadoda
9/10/2019 1:02:41 PM



#20
Methylene Chloride
Concen: 133.505 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Tgt Ion: 84 Resp: 274117
Ion Ratio Lower Upper
84 100
49 143.2 115.4 173.0
51 41.8 34.9 52.3
86 65.4 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 143.903 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Instrument :

MSVOA_W

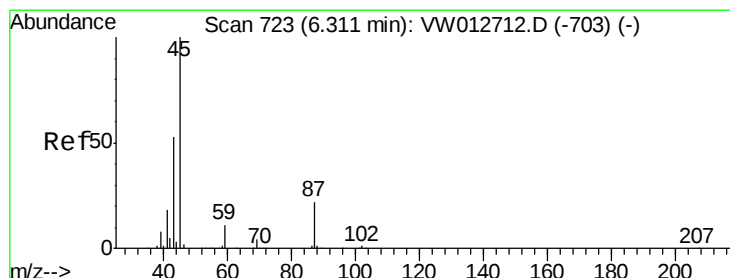
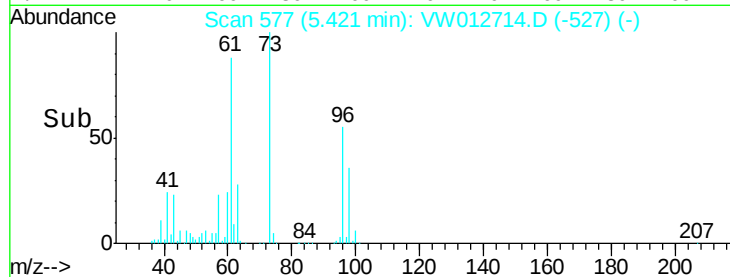
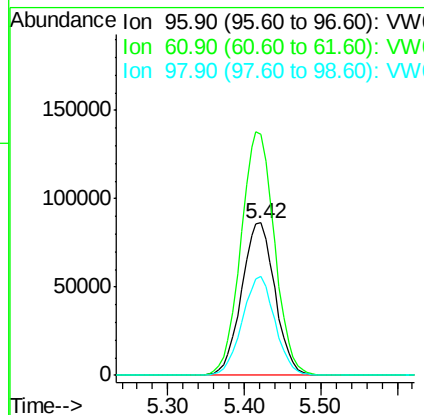
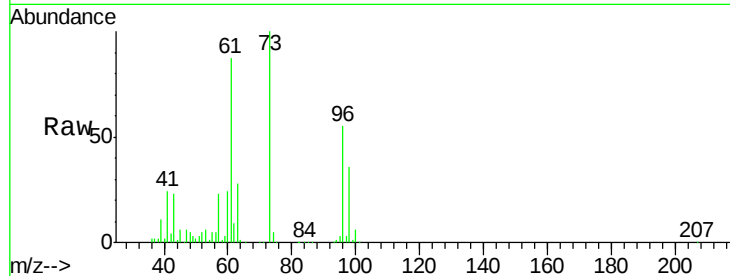
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	261255
Ion	Ratio	Lower	Upper
96	100		
61	157.9	129.2	193.8
98	64.6	48.0	72.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 146.915 ug/l

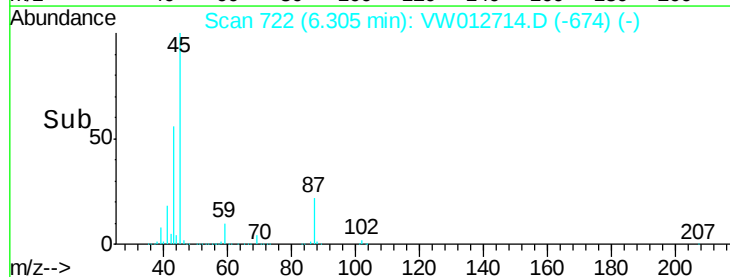
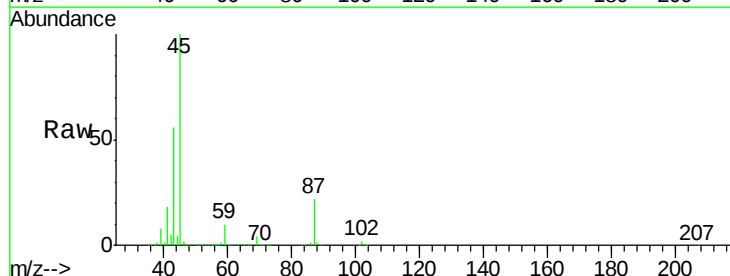
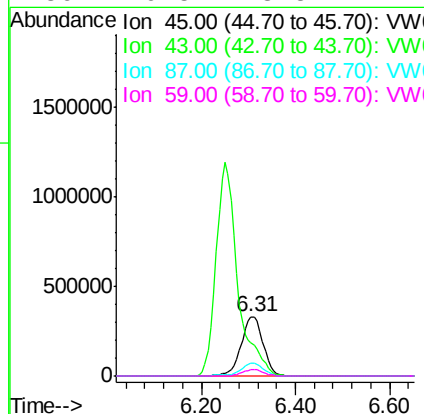
RT: 6.31 min Scan# 722

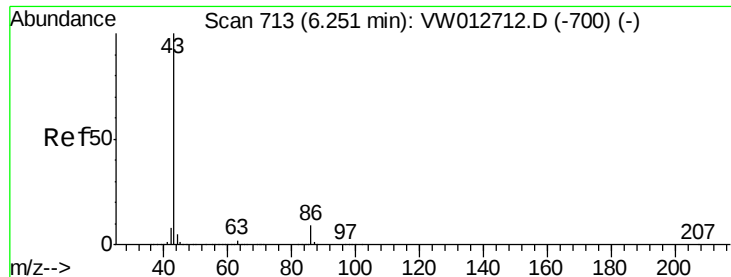
Delta R.T. -0.01 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Tgt Ion:	45	Resp:	1072505
Ion	Ratio	Lower	Upper
45	100		
43	56.3	42.3	63.5
87	22.1	18.2	27.2
59	10.5	8.5	12.7





#23

Vinyl Acetate

Concen: 822.254 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3804120

Ion Ratio Lower Upper

43 100

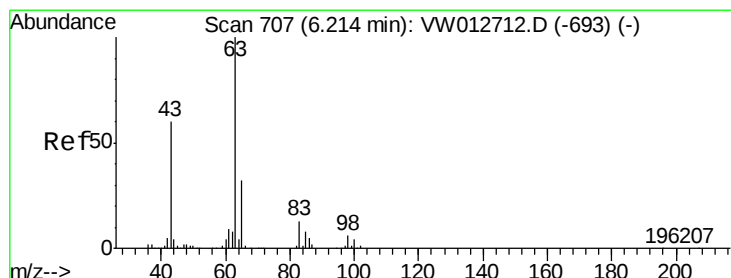
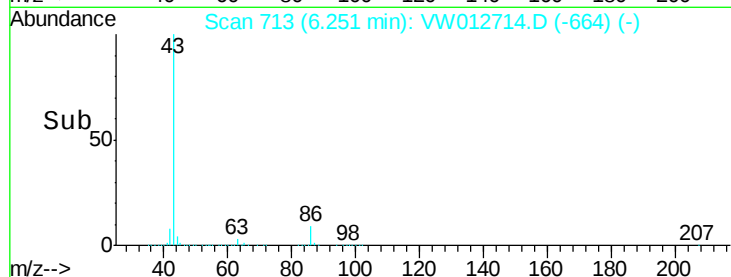
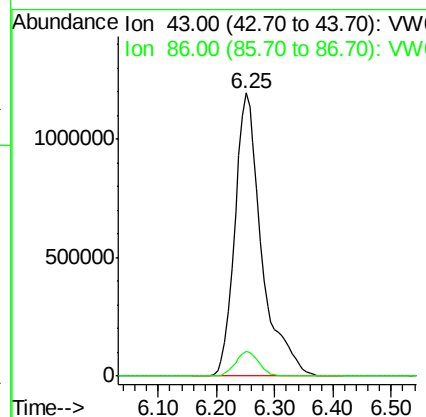
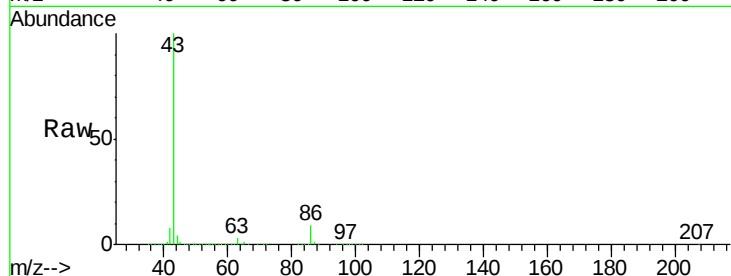
86 8.6 7.0 10.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 146.338 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

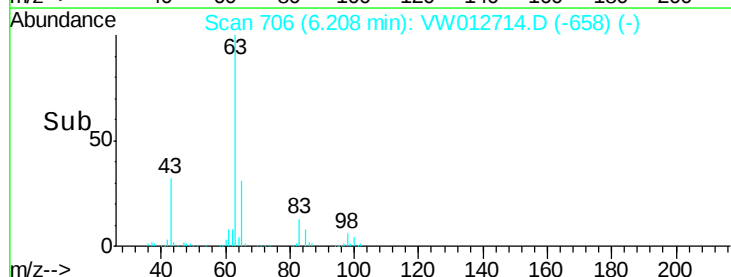
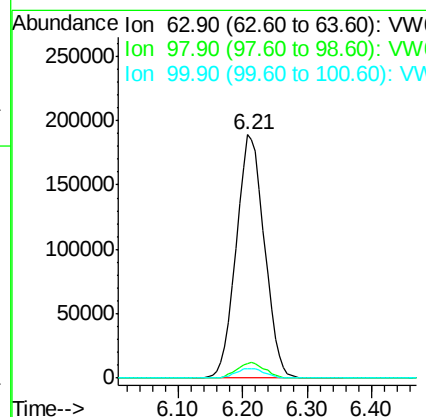
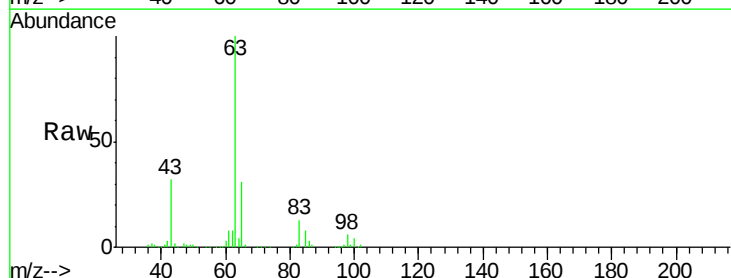
Tgt Ion: 63 Resp: 575213

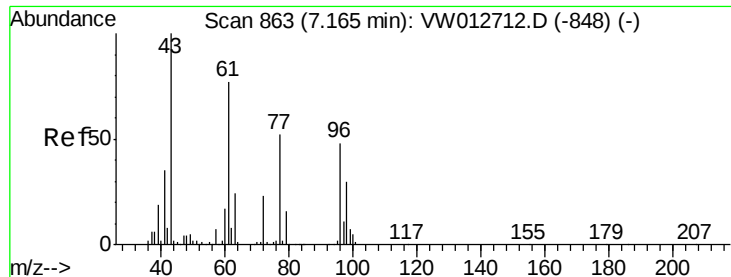
Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.3

100 3.9 1.8 5.5





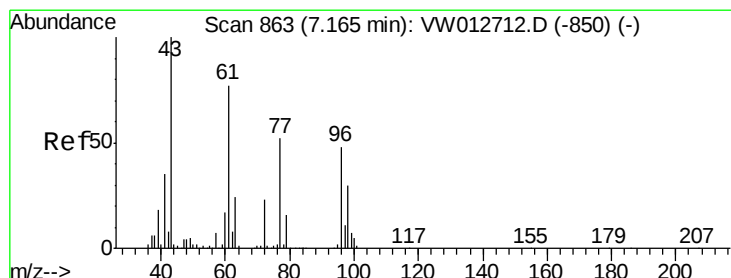
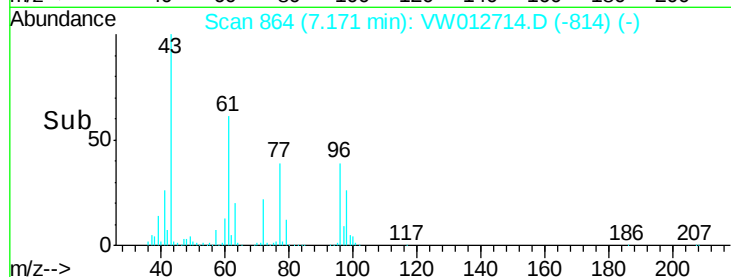
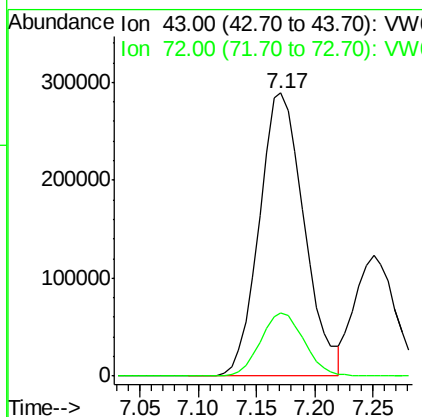
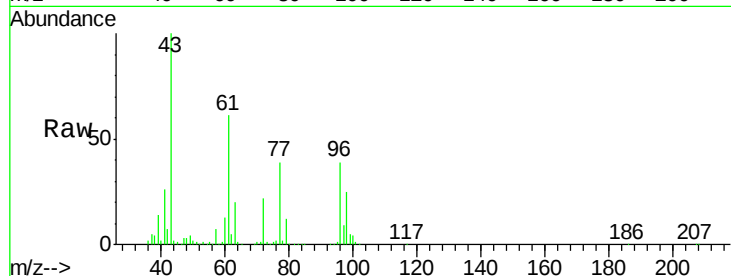
#25
2-Butanone
Concen: 894.916 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 775258
Ion Ratio Lower Upper
43 100
72 22.3 18.0 27.0

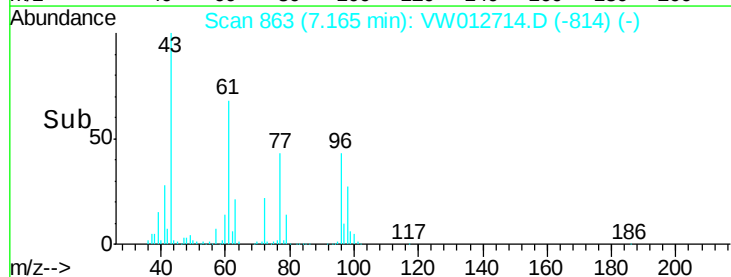
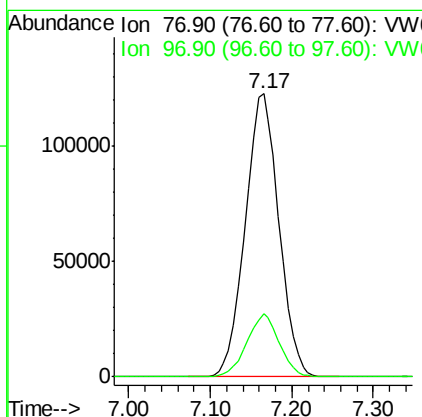
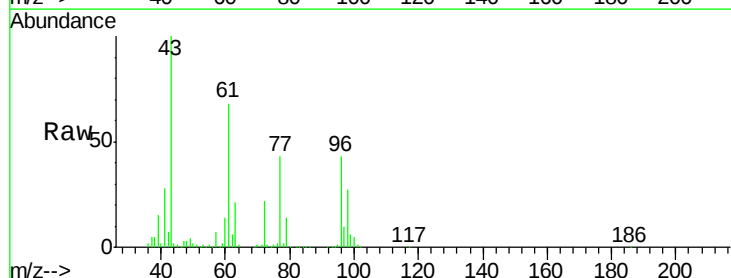
Manual Integrations
APPROVED

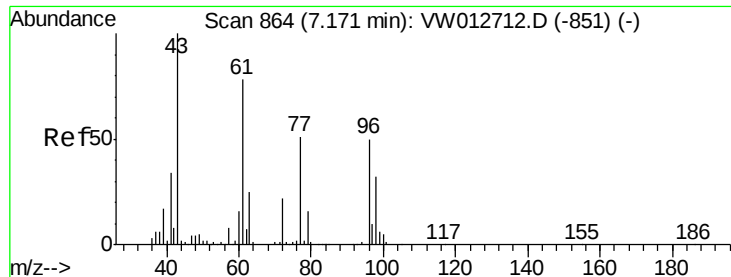
MMDadoda
9/10/2019 1:02:41 PM



#26
2,2-Dichloropropane
Concen: 141.793 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Tgt Ion: 77 Resp: 352018
Ion Ratio Lower Upper
77 100
97 21.5 10.7 32.1





#27

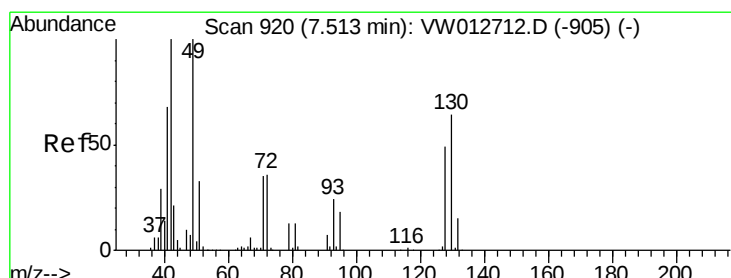
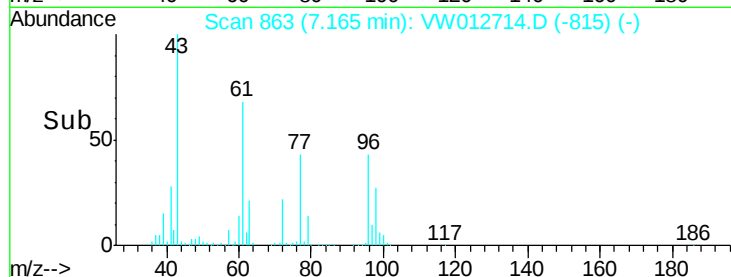
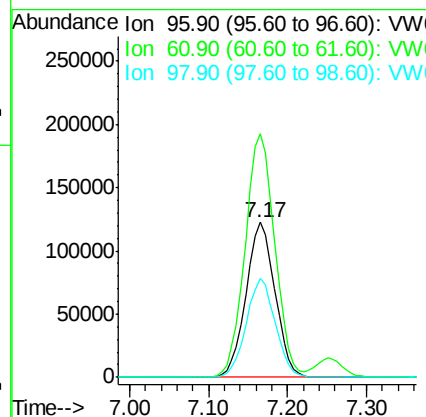
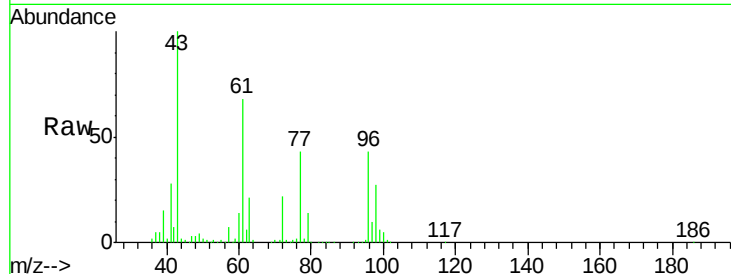
cis-1,2-Dichloroethene
Concen: 148.725 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	160.9	0.0	325.8	
98	63.8	0.0	127.0	

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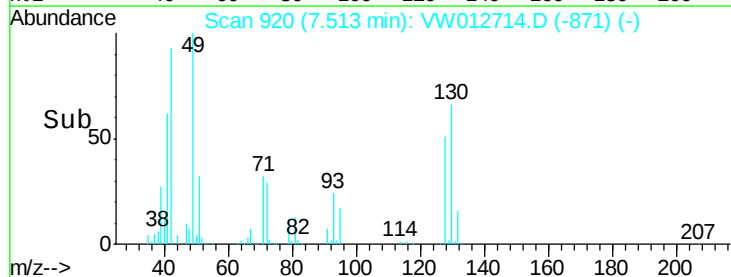
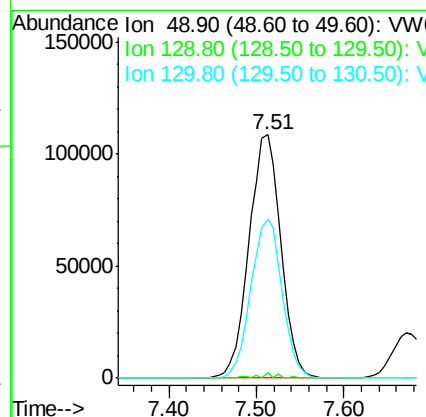
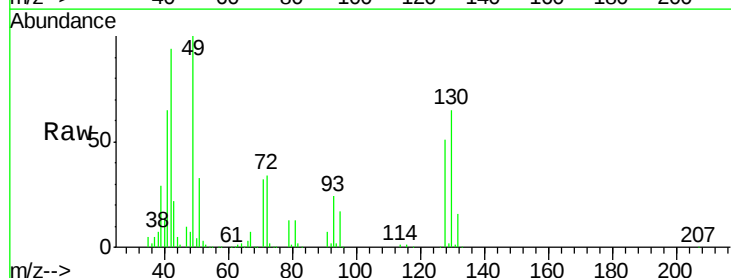
MMDadoda
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#28

Bromochloromethane
Concen: 152.378 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.8	0.0	0.8	
130	64.0	49.8	74.8	





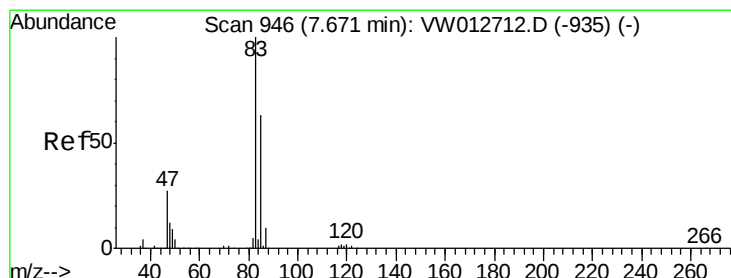
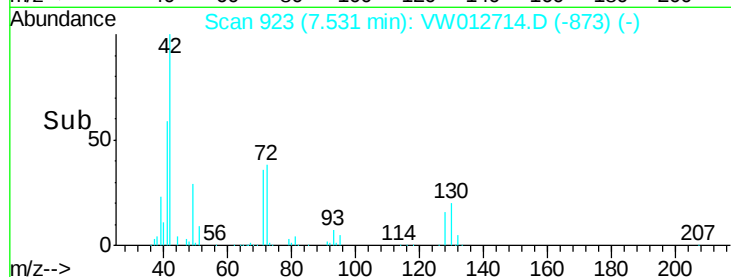
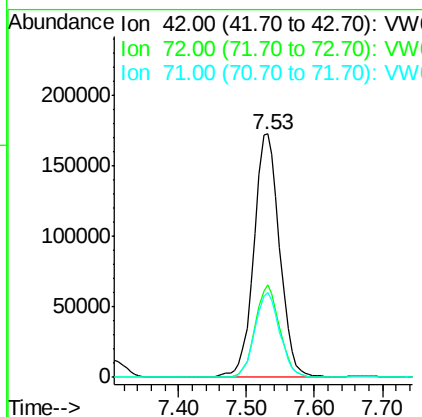
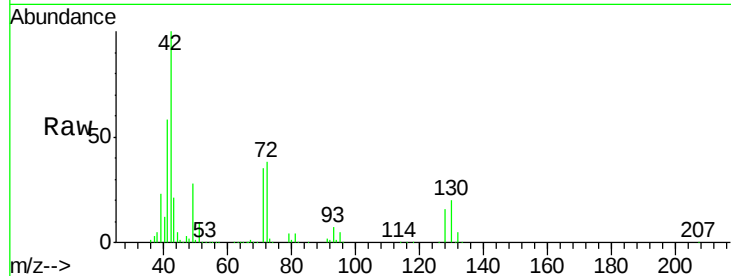
#29
Tetrahydrofuran
Concen: 860.575 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	28.4	42.6
71	33.9	27.1	40.7

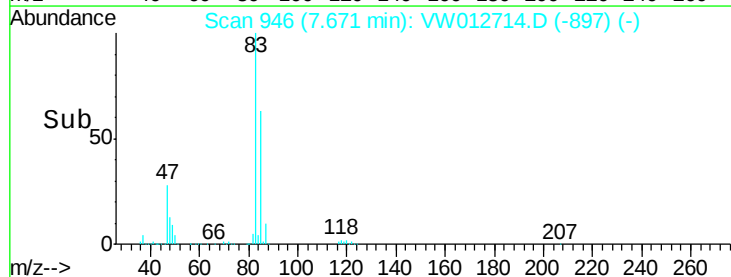
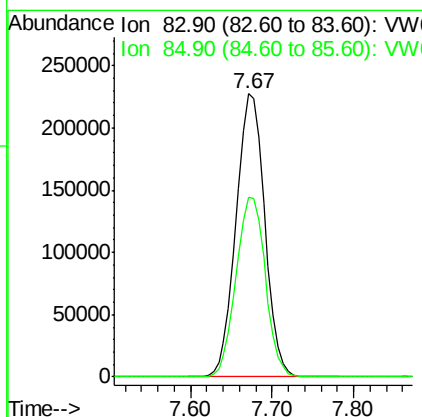
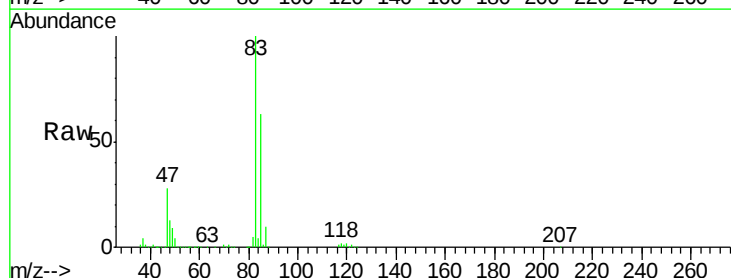
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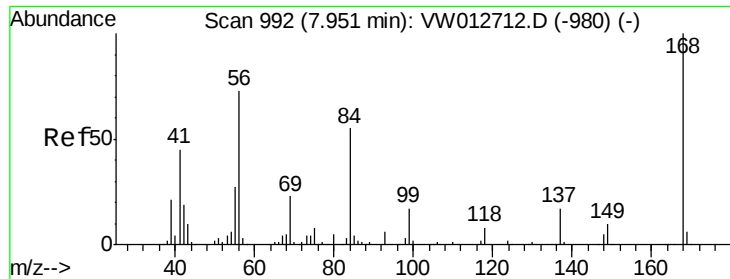
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#30
Chloroform
Concen: 141.815 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.6	76.0





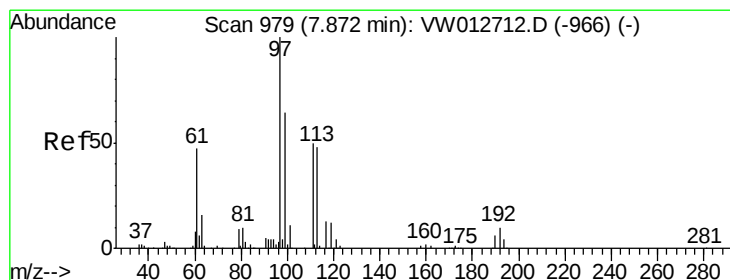
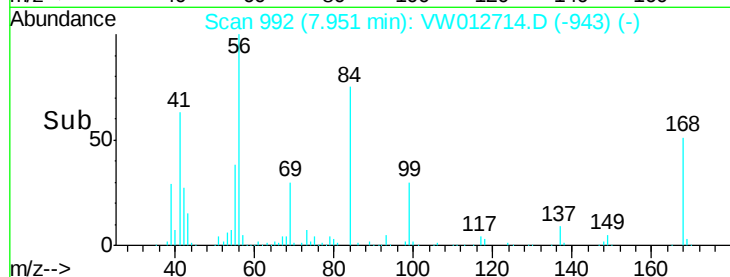
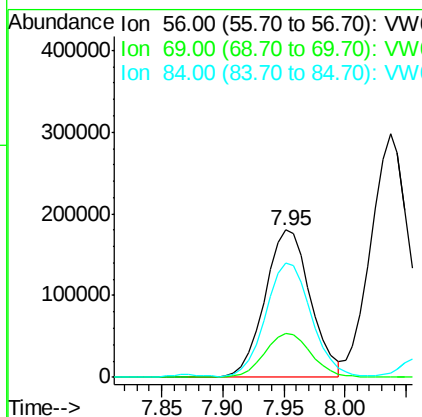
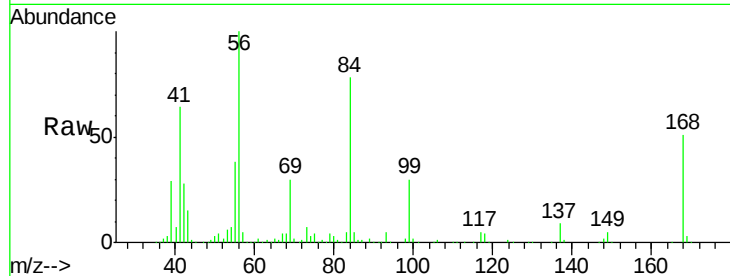
#31
Cyclohexane
Concen: 132.093 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	25.7	38.5
84	76.3	60.4	90.6

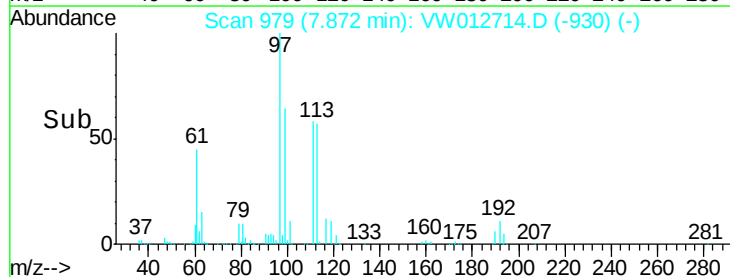
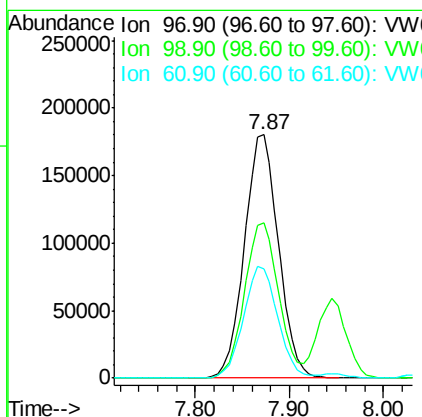
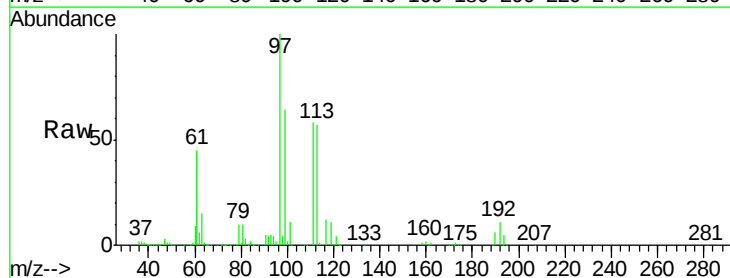
Manual Integrations
APPROVED

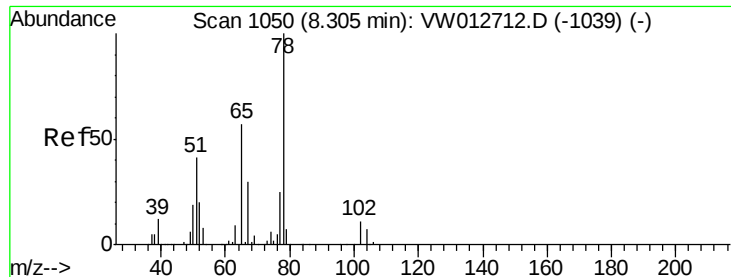
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#32
1,1,1-Trichloroethane
Concen: 144.913 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.5	77.3
61	46.3	37.9	56.9





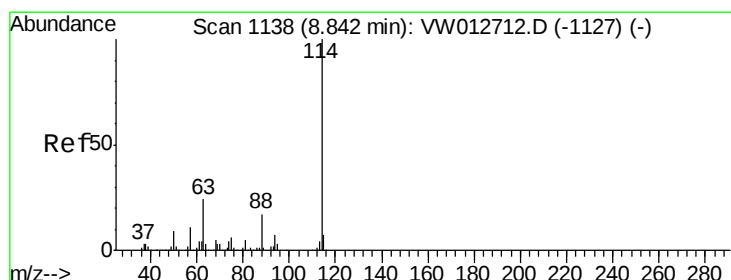
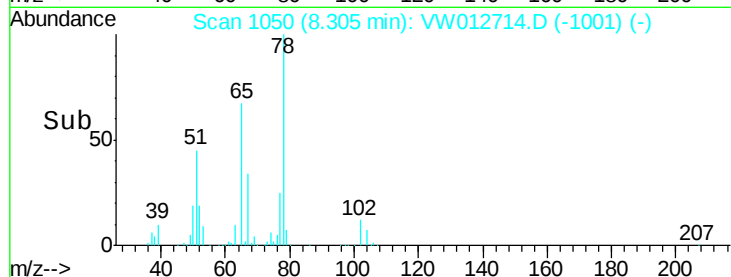
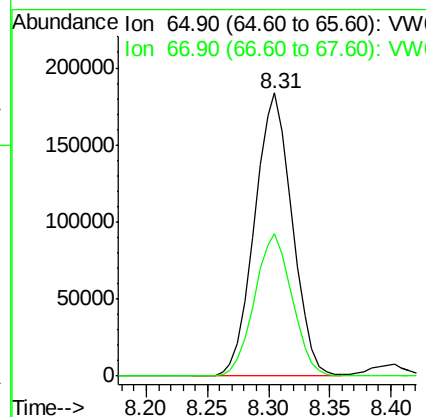
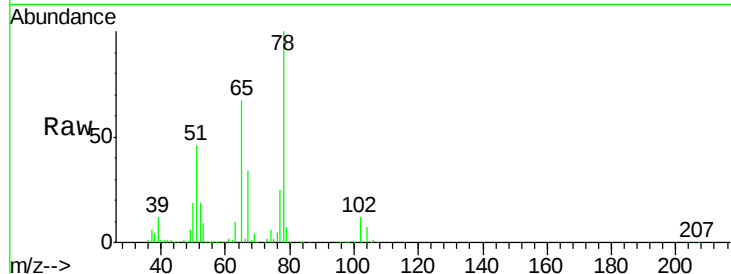
#33
 1,2-Dichloroethane-d4
 Concen: 163.485 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012714.D
 Acq: 07 Sep 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	393566		
67	50.2	0.0	101.8	

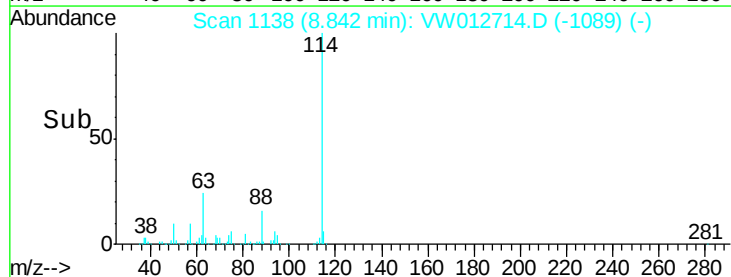
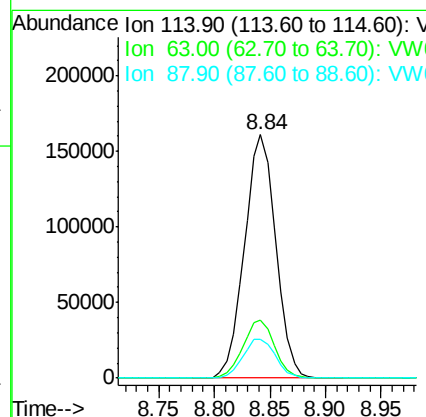
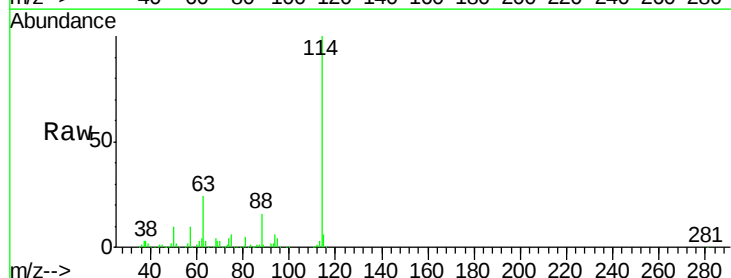
Manual Integrations
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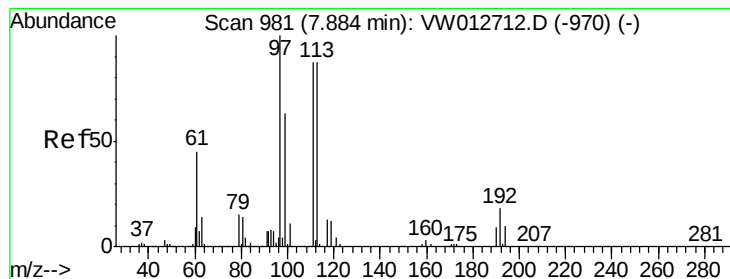
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012714.D
 Acq: 07 Sep 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	314540		
63	24.1	0.0	47.2	
88	16.1	0.0	34.0	





#35

Dibromofluoromethane

Concen: 159.128 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Instrument :

MSVOA_W

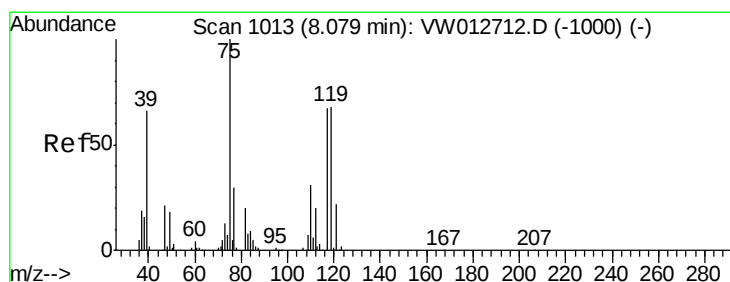
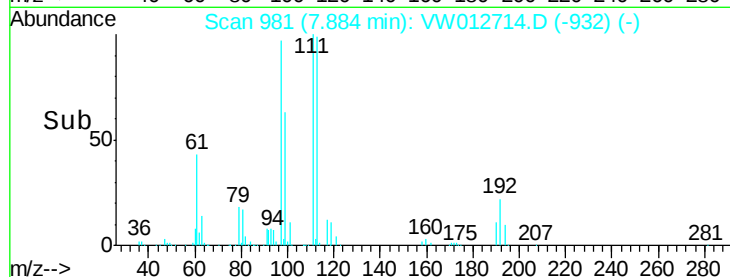
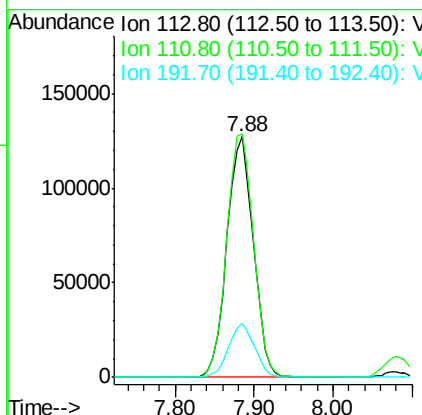
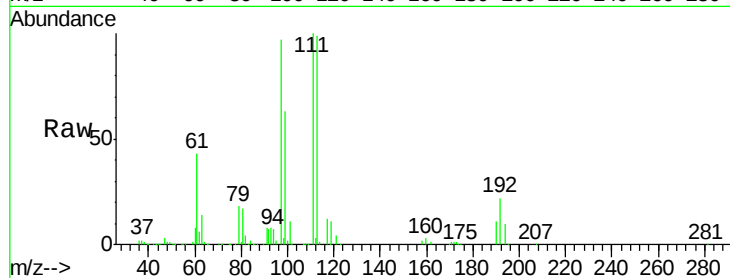
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	297573
Ion Ratio	Lower	Upper	
113	100		
111	103.1	80.2	120.4
192	21.9	17.3	25.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 148.159 ug/l

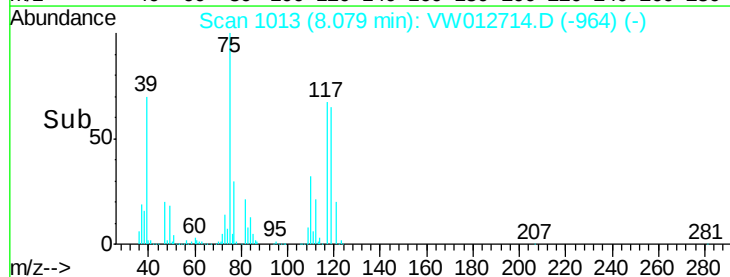
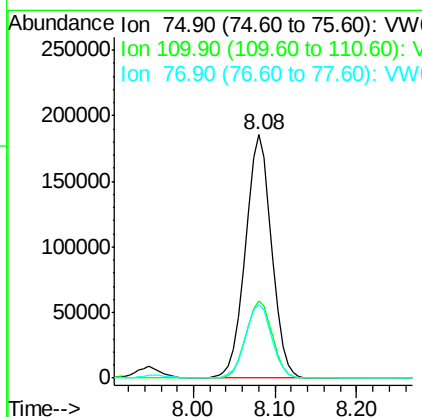
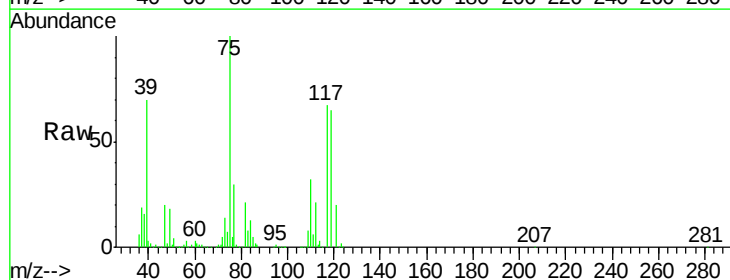
RT: 8.08 min Scan# 1013

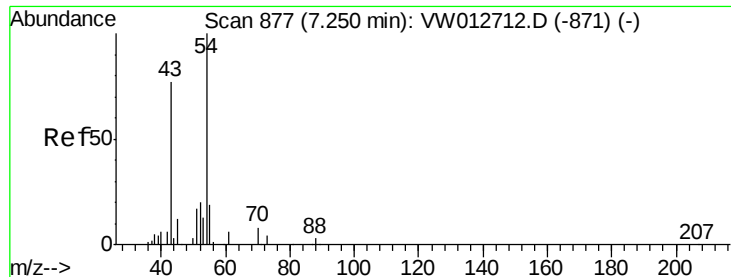
Delta R.T. 0.00 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Tgt Ion:	75	Resp:	414070
Ion Ratio	Lower	Upper	
75	100		
110	32.0	15.9	47.7
77	30.9	25.0	37.4





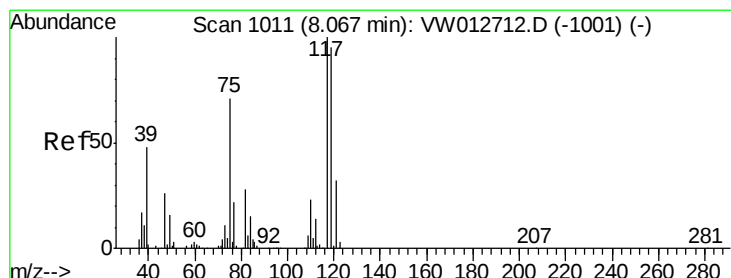
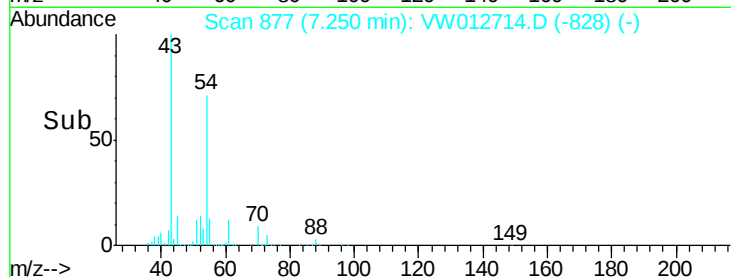
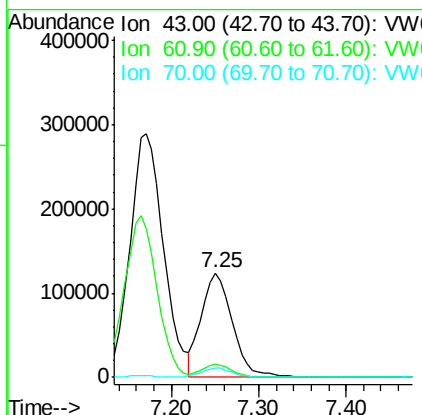
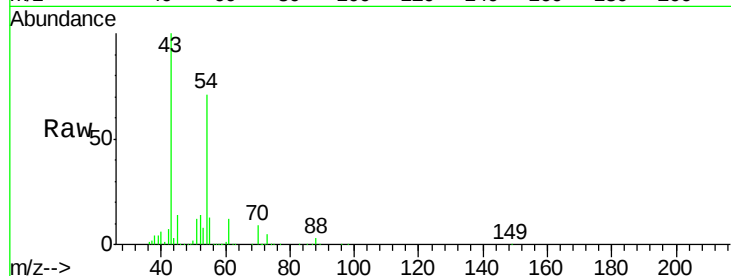
#37
Ethyl Acetate
Concen: 171.789 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.5	14.3
70	8.9	7.0	10.6

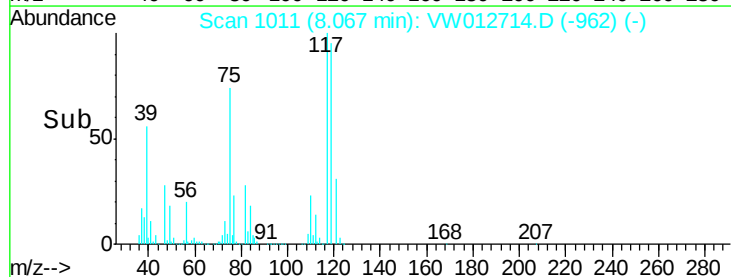
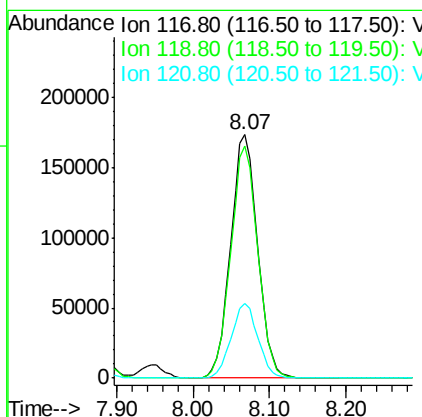
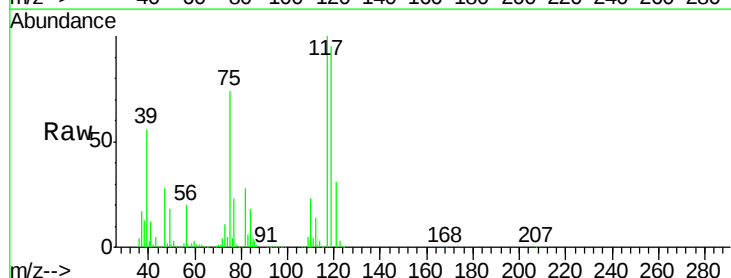
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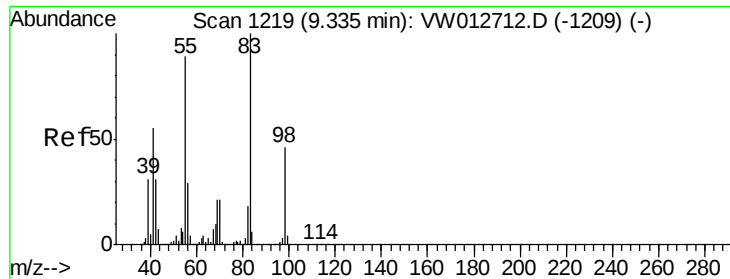
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#38
Carbon Tetrachloride
Concen: 153.474 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.2	114.2
121	30.8	25.4	38.2





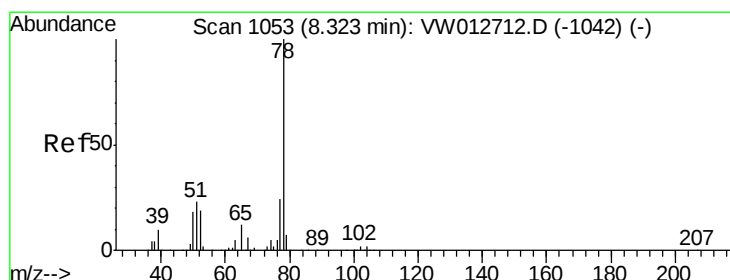
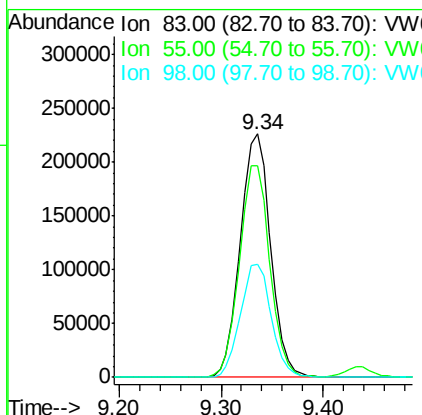
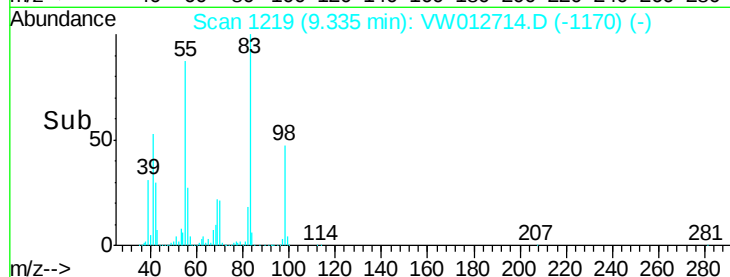
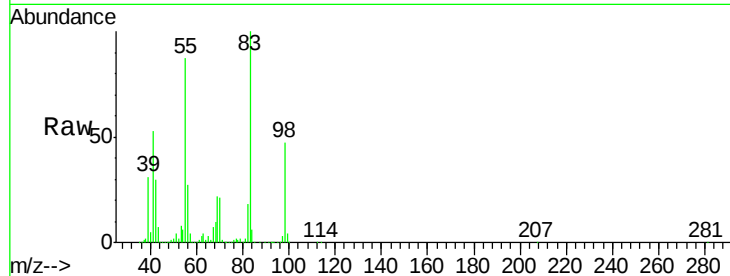
#39
Methvlcvclohexane
Concen: 149.471 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.8	71.0	106.4
98	46.7	36.9	55.3

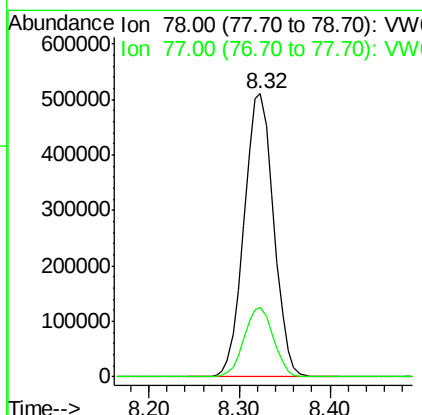
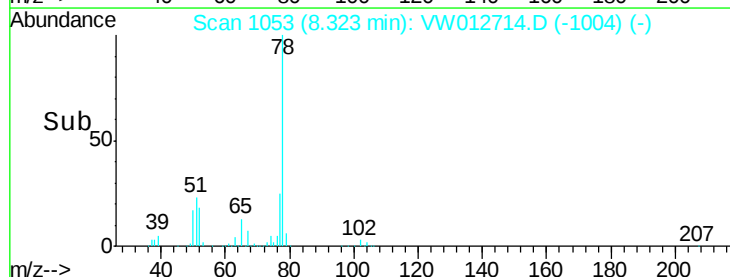
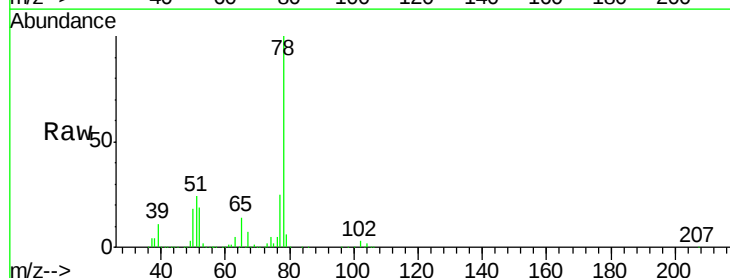
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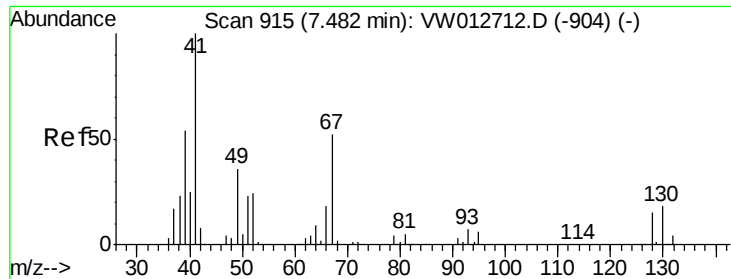
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#40
Benzene
Concen: 148.463 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.3	28.9





#41

Methacrylonitrile

Concen: 179.538 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Instrument :

MSVOA_W

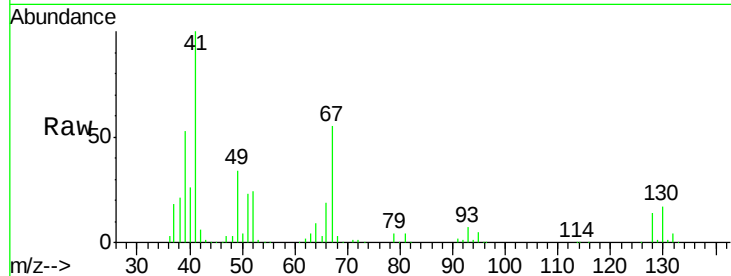
ClientSampleId :

VSTDIC150

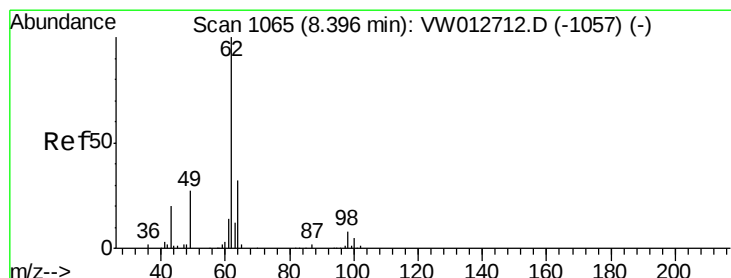
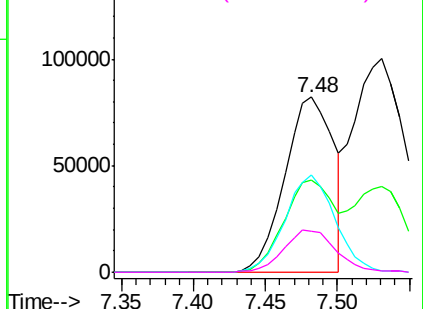
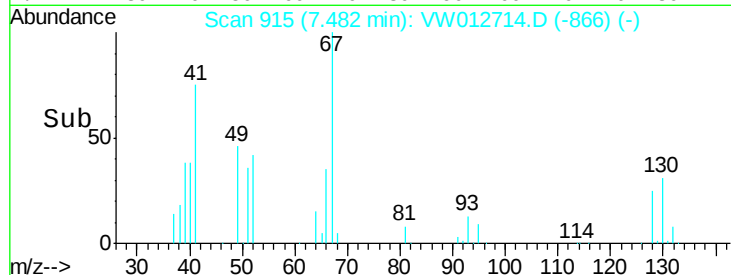
Tot Ion	41	Resp	192860
Ion Ratio	Lower	Upper	
41	100		
39	53.4	47.5	71.3
67	57.6	45.1	67.7
52	26.3	20.2	30.2

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Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 154.150 ug/l

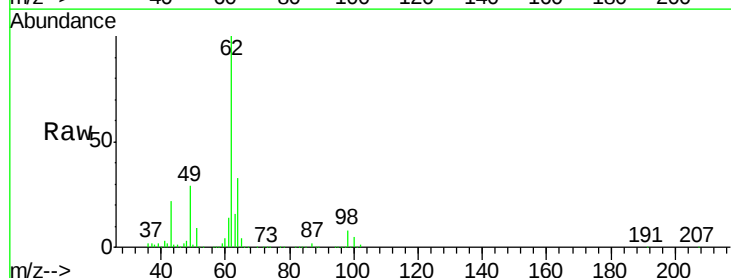
RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

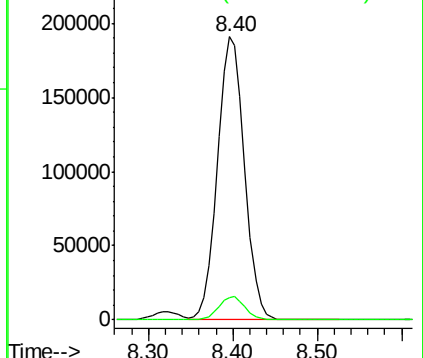
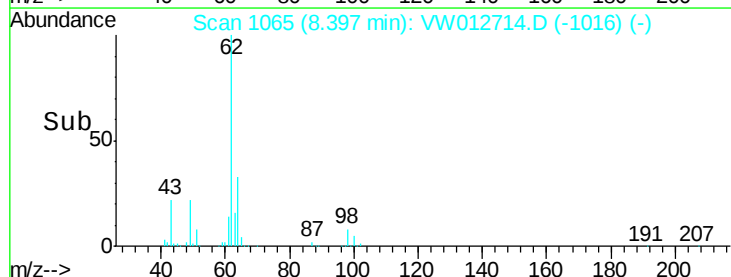
Lab File: VW012714.D

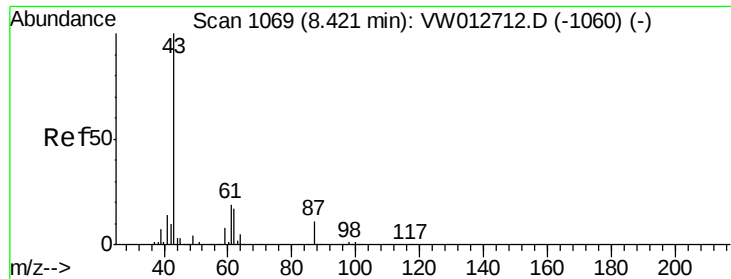
Acq: 07 Sep 2019 11:56

Tgt Ion	62	Resp	420670
Ion Ratio	Lower	Upper	
62	100		
98	8.1	0.0	16.2



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





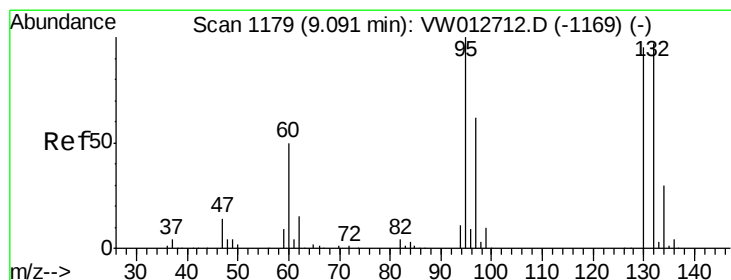
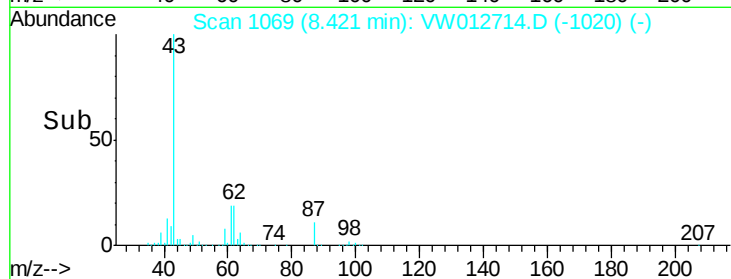
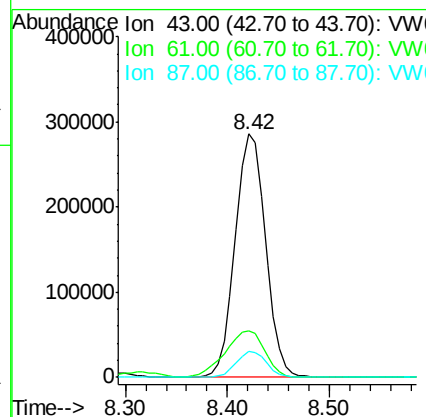
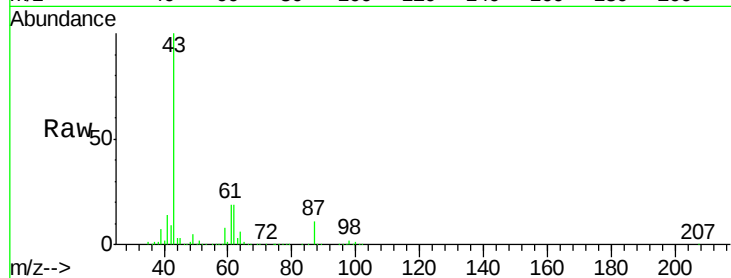
#43
Isopropyl Acetate
Concen: 174.804 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tot Ion:	43	Resp:	590021
Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.6	30.8
87	10.8	8.6	13.0

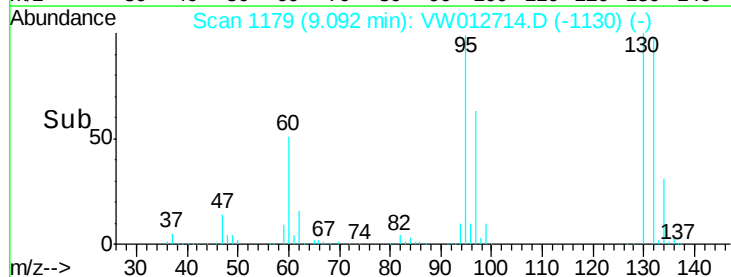
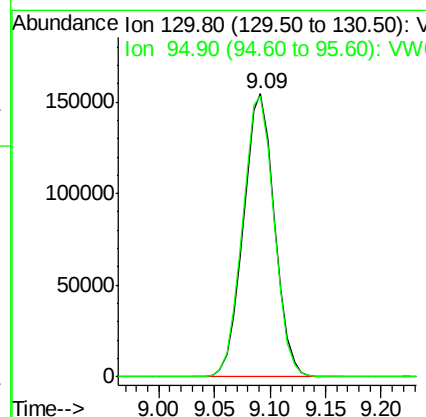
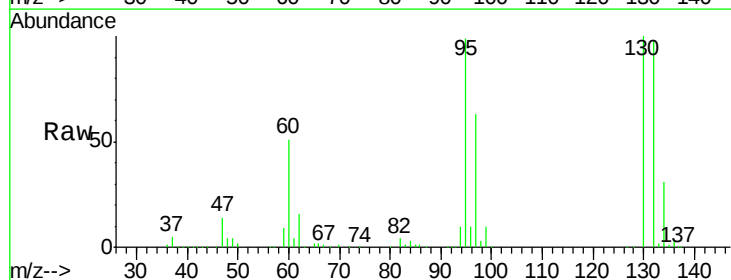
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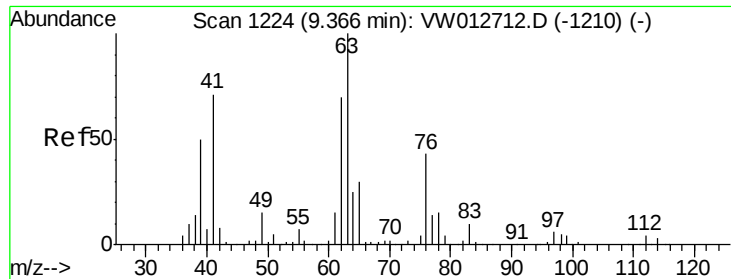
MMDadoda
9/10/2019 1:02:41 PM



#44
Trichloroethene
Concen: 149.601 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Tgt Ion:	130	Resp:	299019
Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	210.6





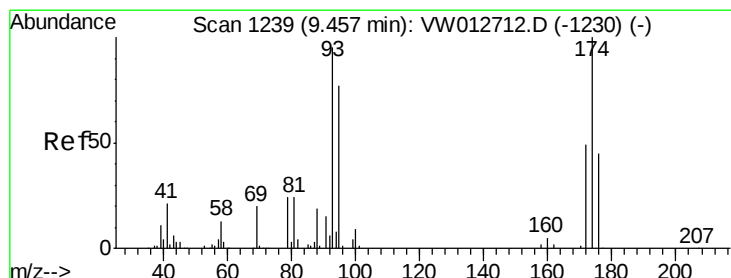
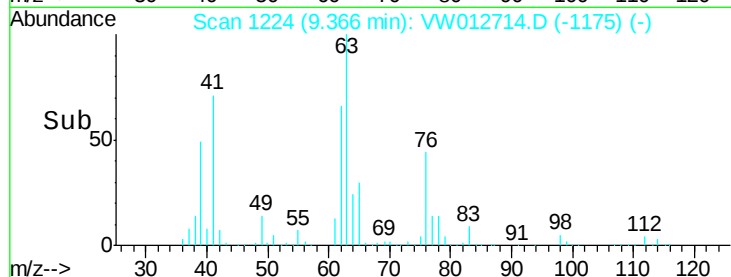
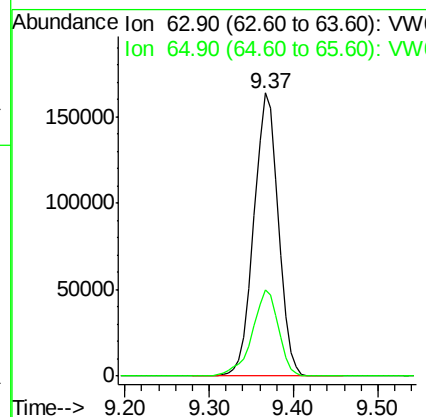
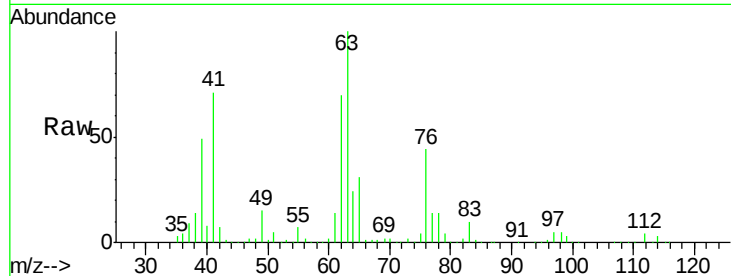
#45
 1,2-Dichloropropane
 Concen: 149.266 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012714.D
 Acq: 07 Sep 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	23.8	35.8

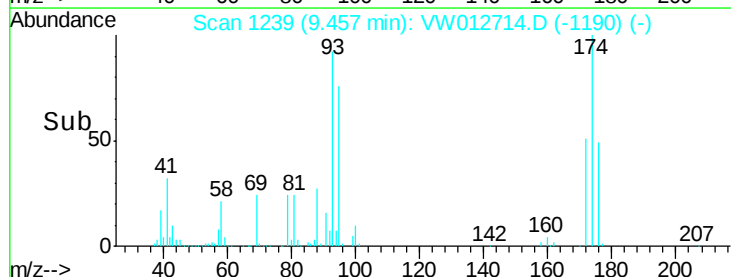
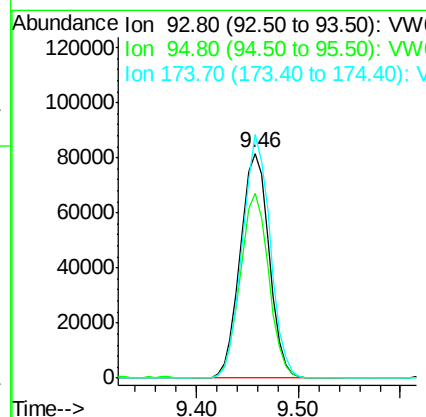
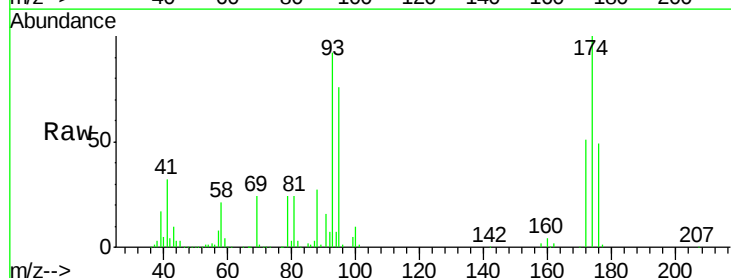
Manual Integrations
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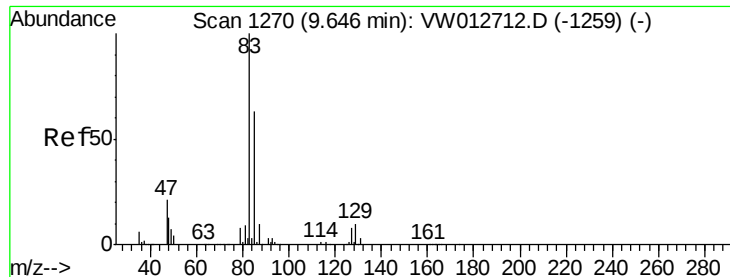
MMDadoda
 9/10/2019 1:02:41 PM



#46
 Dibromomethane
 Concen: 157.168 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012714.D
 Acq: 07 Sep 2019 11:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.9	65.2	97.8
174	104.3	84.2	126.4





#47

Bromodichloromethane

Concen: 153.676 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Instrument :

MSVOA_W

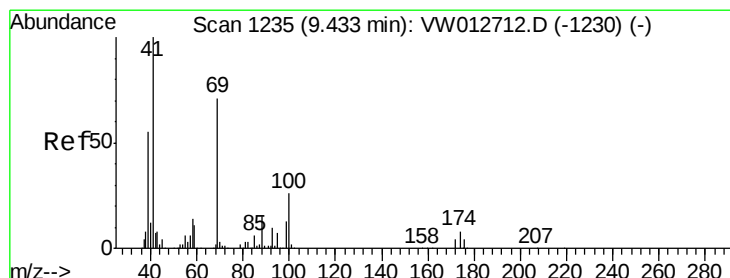
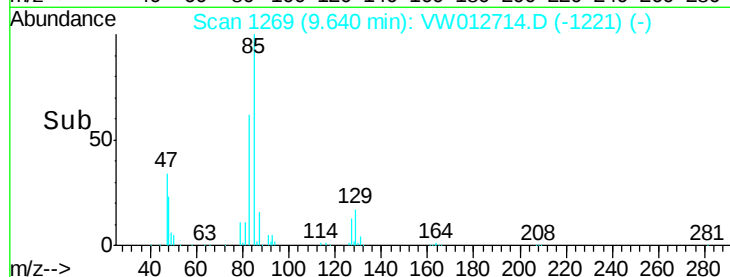
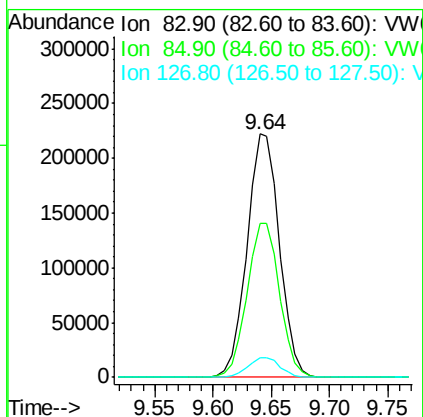
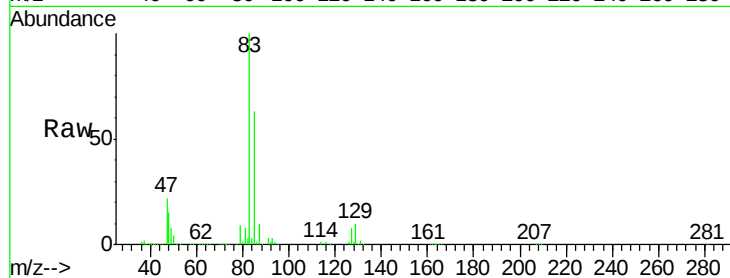
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	430579
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.2	75.2
127	8.0	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 175.312 ug/l

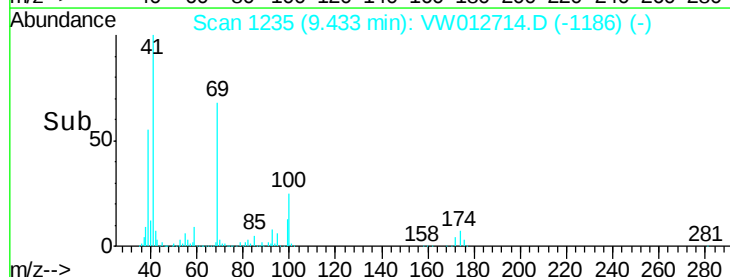
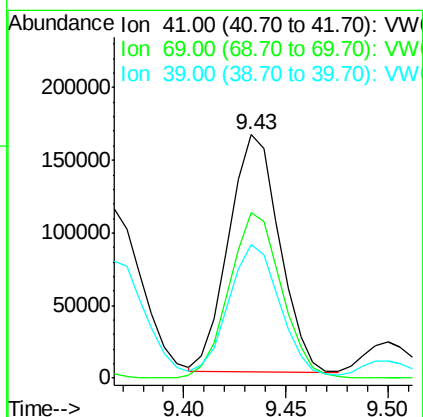
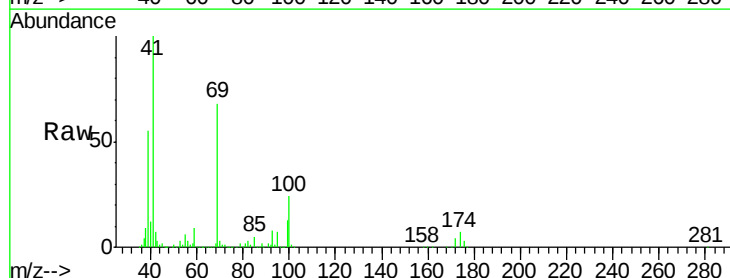
RT: 9.43 min Scan# 1235

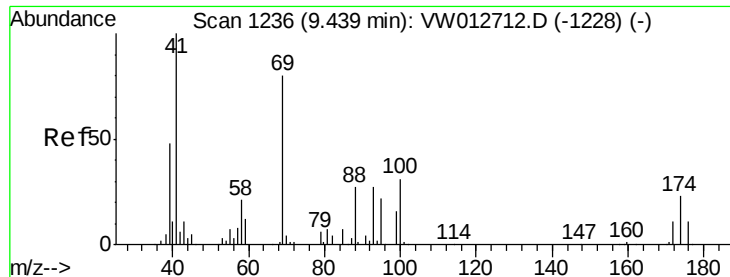
Delta R.T. 0.00 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Tgt Ion:	41	Resp:	282786
Ion	Ratio	Lower	Upper
41	100		
69	72.2	59.8	89.8
39	57.8	47.0	70.6





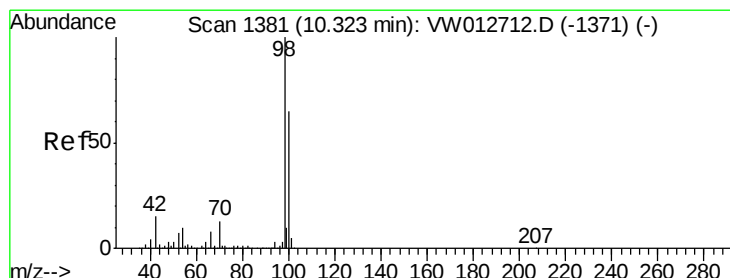
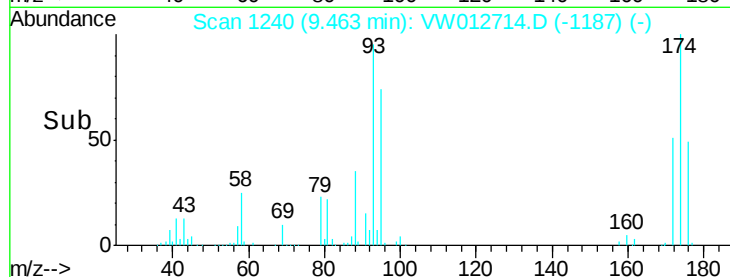
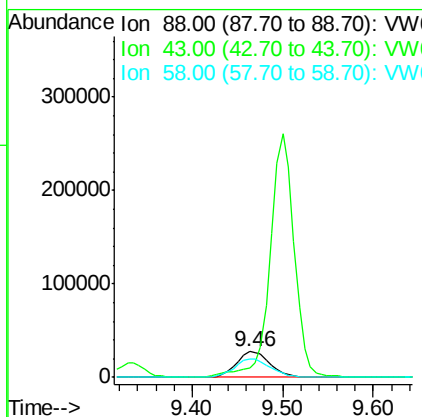
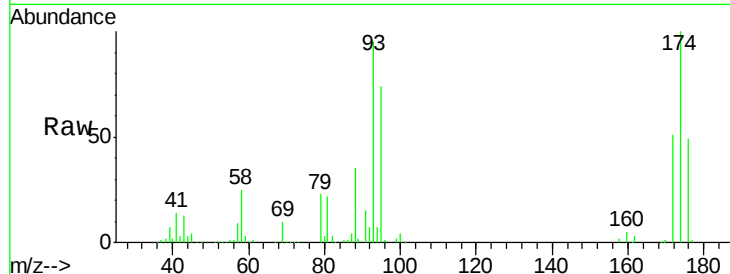
#49
1,4-Dioxane
Concen: 3464.376 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100	69691		
43	0.0	34.8	52.2	#
58	78.0	64.1	96.1	

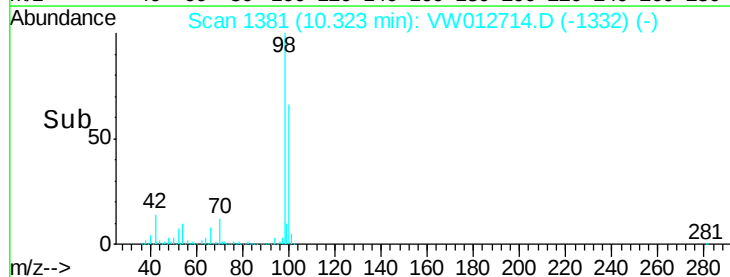
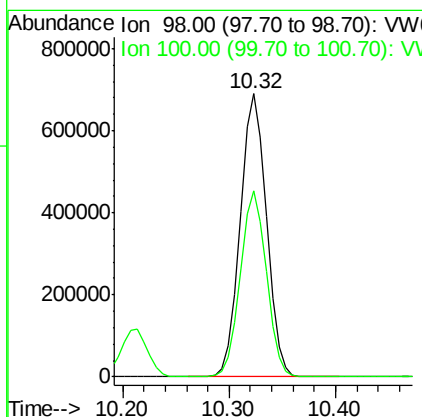
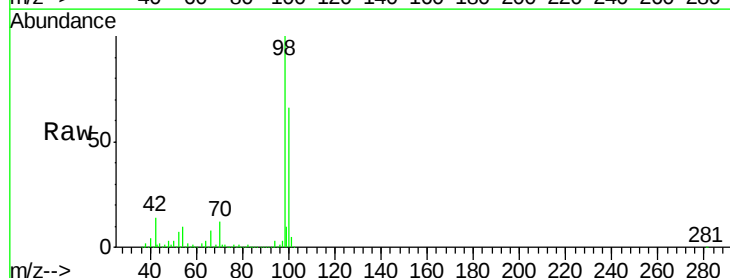
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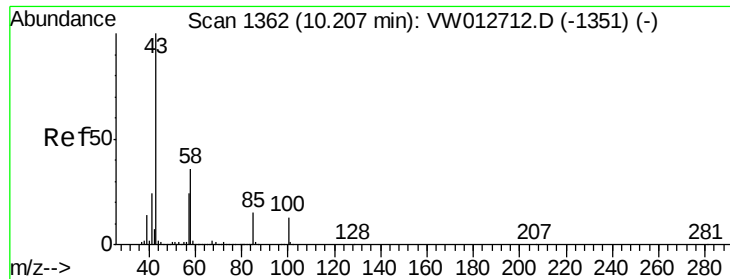
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#50
Toluene-d8
Concen: 163.617 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1198714		
100	65.3	52.2	78.4	





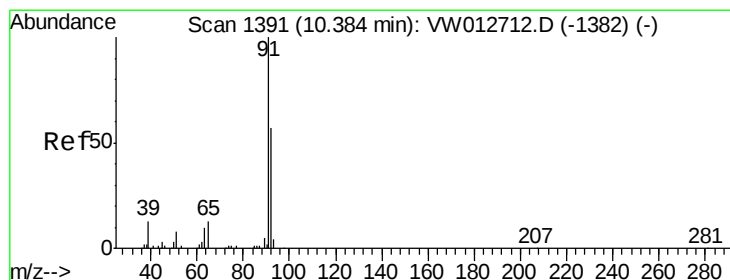
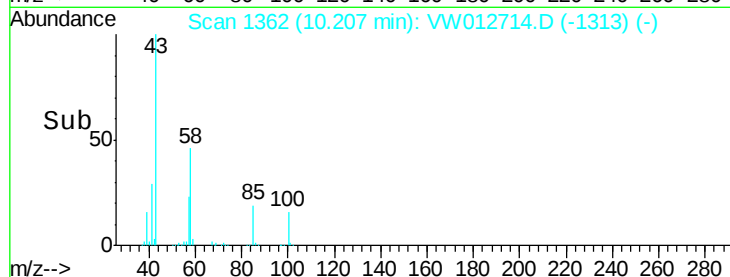
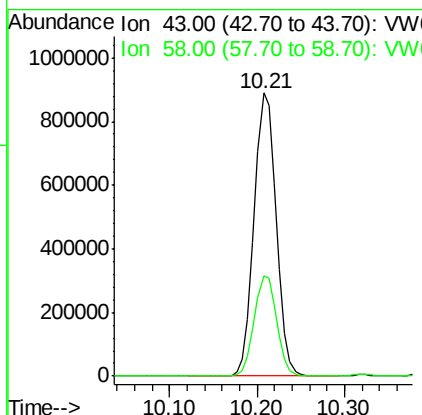
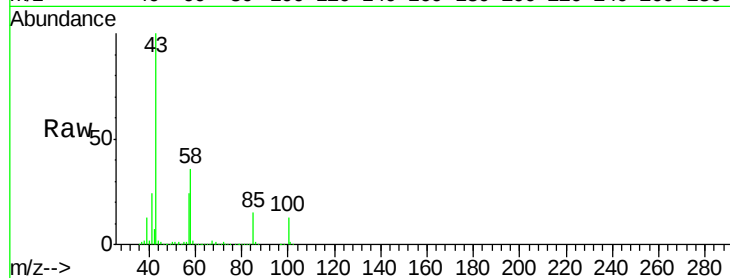
#51
4-Methyl-2-Pentanone
Concen: 880.966 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1560310
Ion Ratio Lower Upper
43 100
58 35.8 28.4 42.6

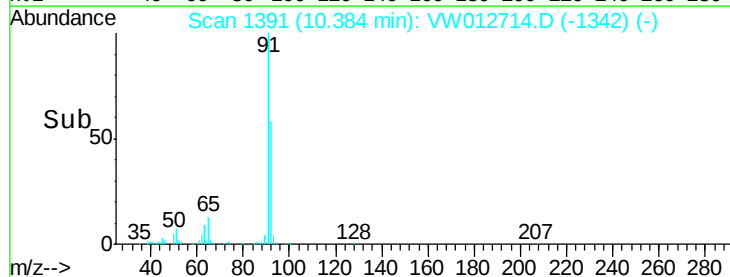
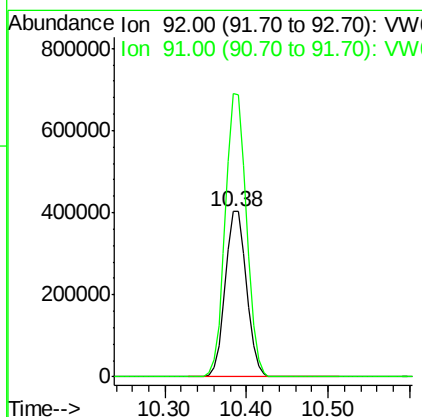
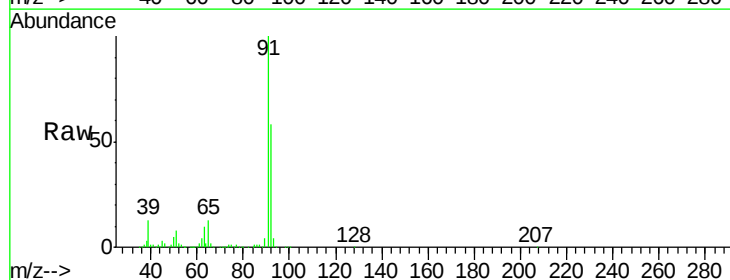
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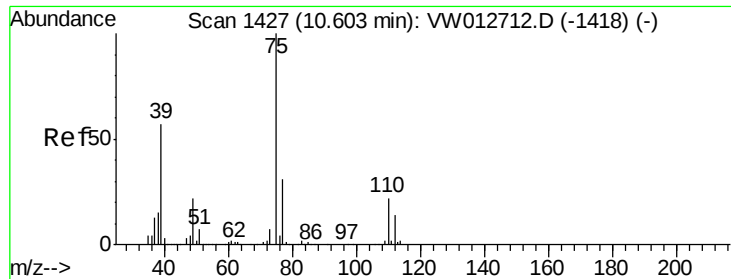
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#52
Toluene
Concen: 149.194 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Tgt Ion: 92 Resp: 722051
Ion Ratio Lower Upper
92 100
91 170.8 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 165.559 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 476989

Ion Ratio Lower Upper

75 100

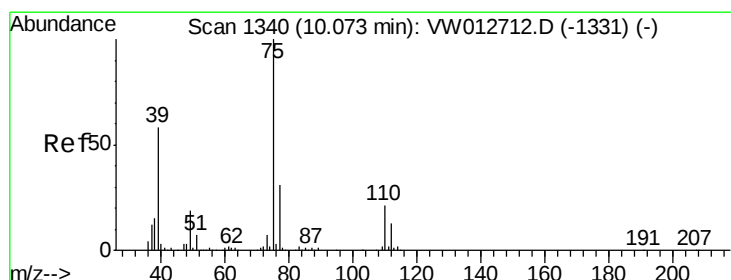
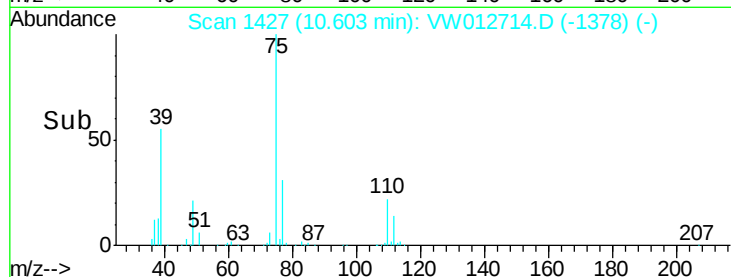
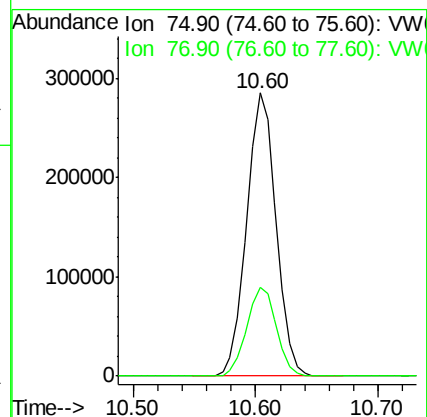
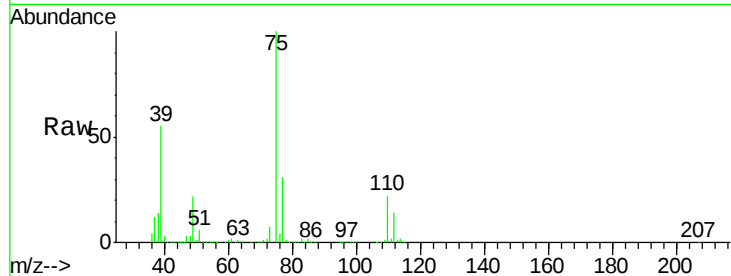
77 31.4 24.7 37.1

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#54

cis-1,3-Dichloropropene

Concen: 158.754 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

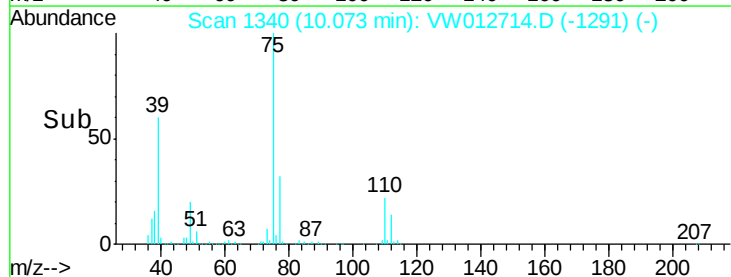
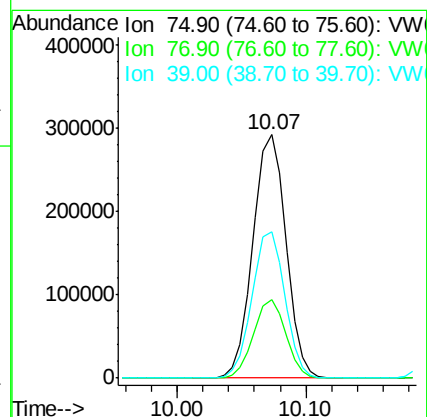
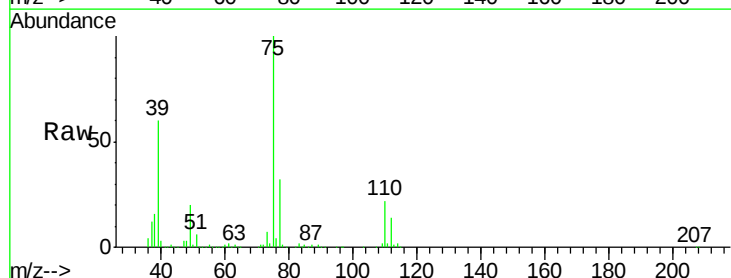
Tgt Ion: 75 Resp: 518865

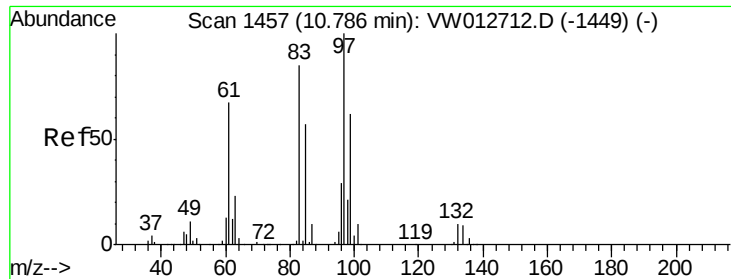
Ion Ratio Lower Upper

75 100

77 32.3 24.6 36.8

39 60.2 46.3 69.5





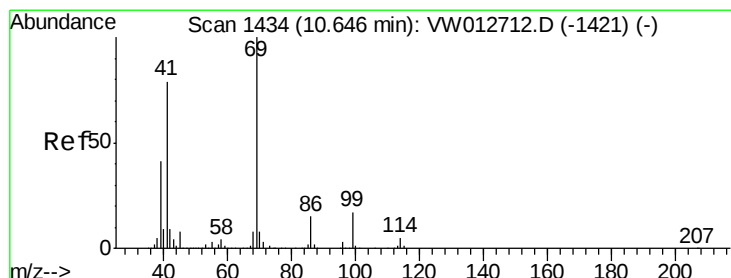
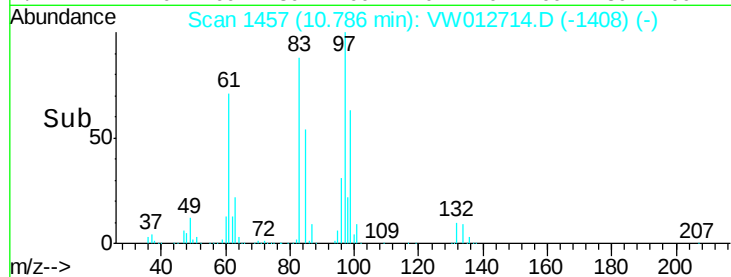
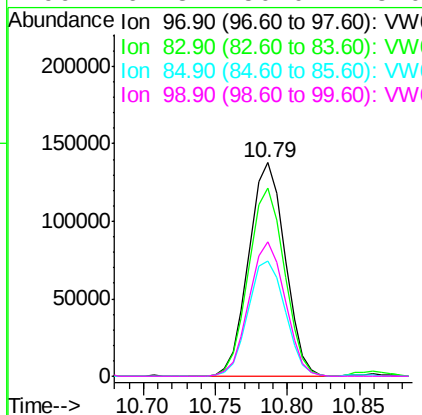
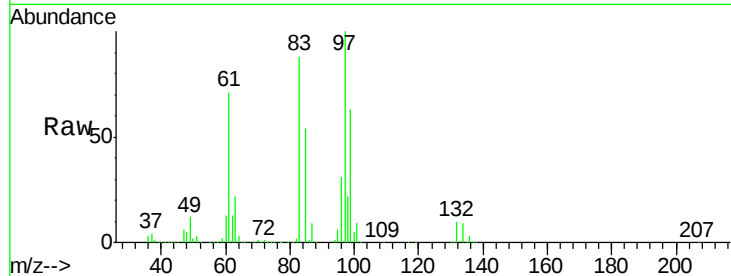
#55
 1,1,2-Trichloroethane
 Concen: 157.953 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012714.D
 Acq: 07 Sep 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	240827
Ion	Ratio	Lower	Upper
97	100		
83	88.3	68.1	102.1
85	54.1	45.3	67.9
99	62.8	50.0	75.0

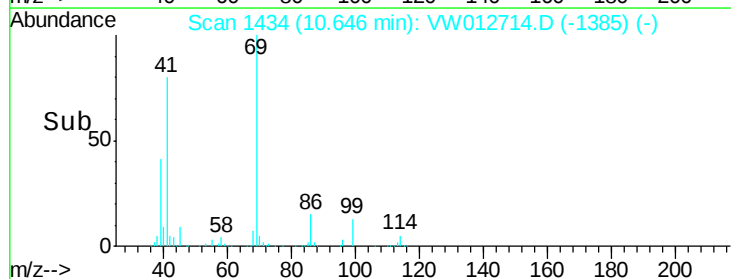
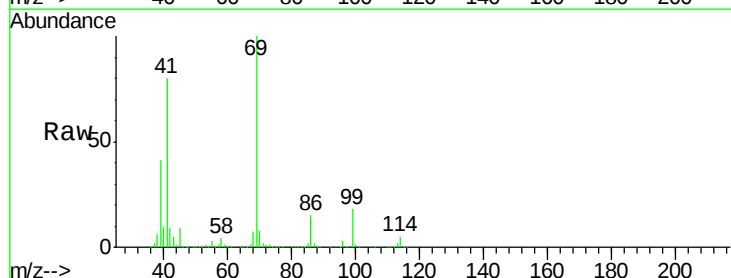
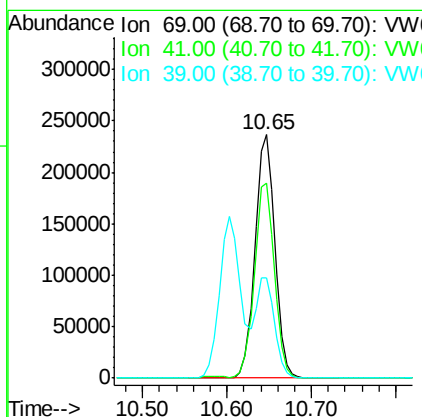
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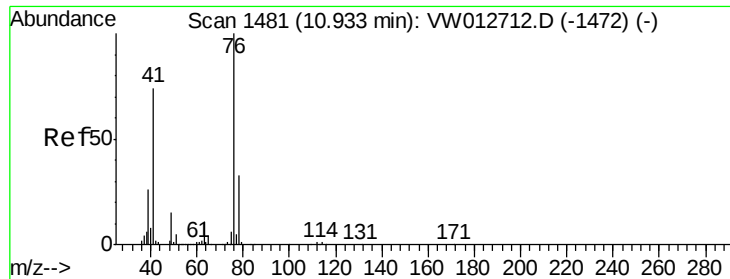
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 9/10/2019 1:02:41 PM



#56
 Ethyl methacrylate
 Concen: 171.681 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012714.D
 Acq: 07 Sep 2019 11:56

Tgt Ion:	69	Resp:	383162
Ion	Ratio	Lower	Upper
69	100		
41	80.6	64.4	96.6
39	38.0	31.1	46.7





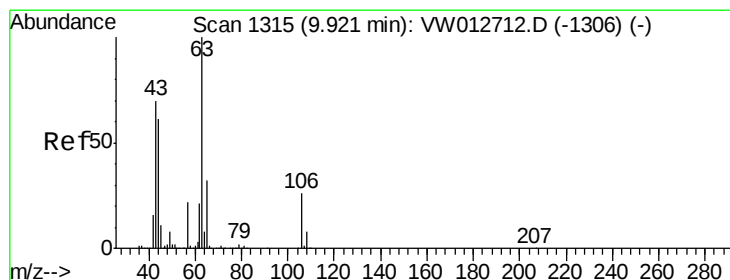
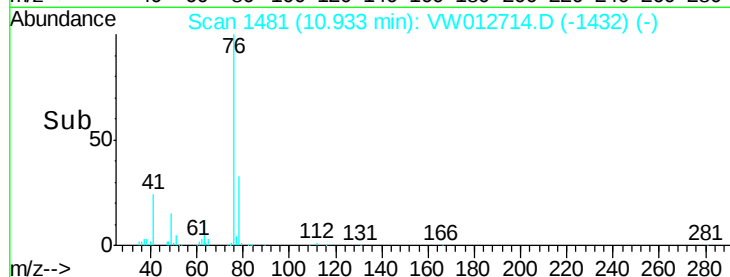
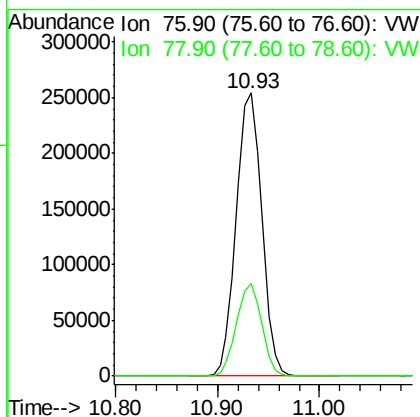
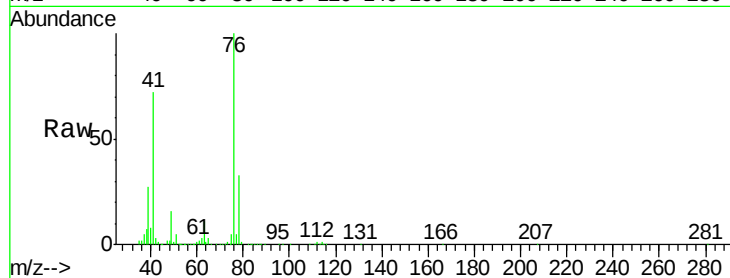
#57
 1,3-Dichloropropane
 Concen: 156.584 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012714.D
 Acq: 07 Sep 2019 11:56

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion: 76 Resp: 441666
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.9 38.9

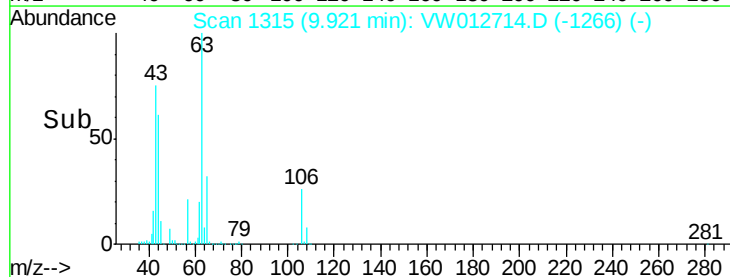
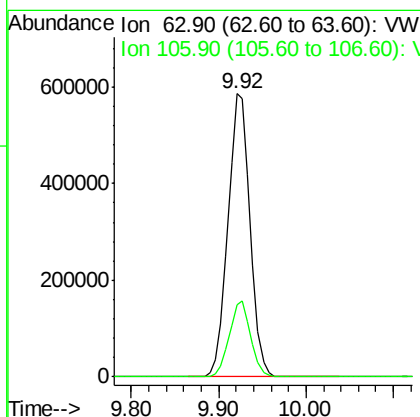
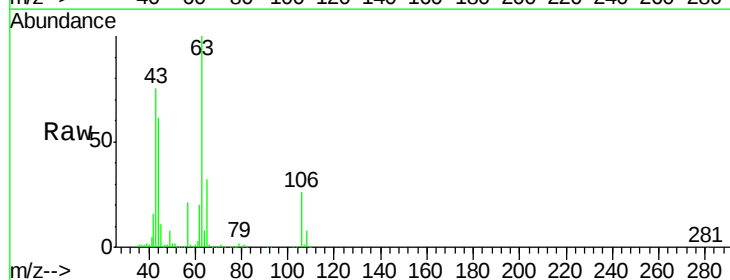
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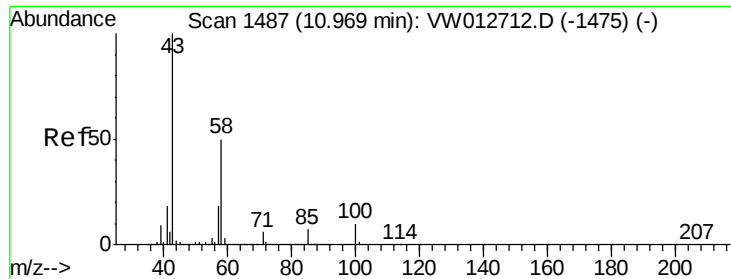
MMDadoda
 9/10/2019 1:02:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 864.430 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012714.D
 Acq: 07 Sep 2019 11:56

Tgt Ion: 63 Resp: 1024205
 Ion Ratio Lower Upper
 63 100
 106 26.1 20.5 30.7





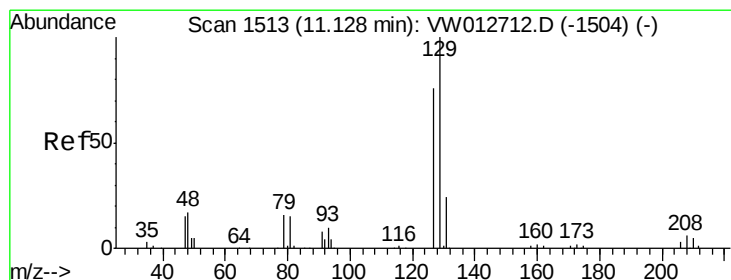
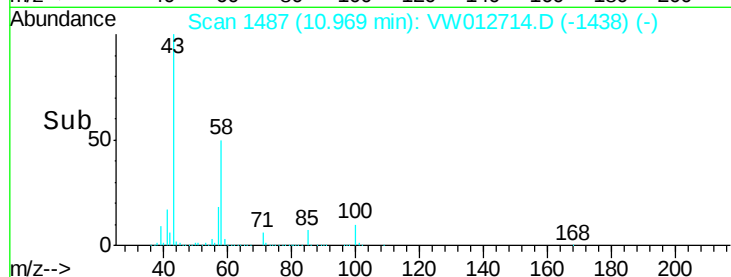
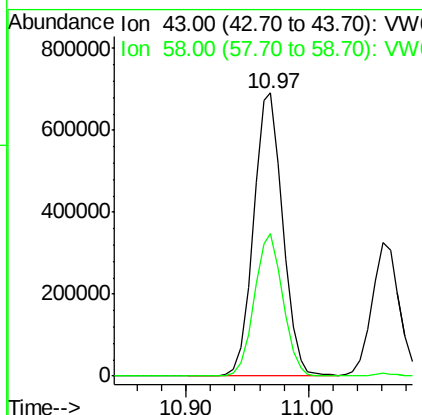
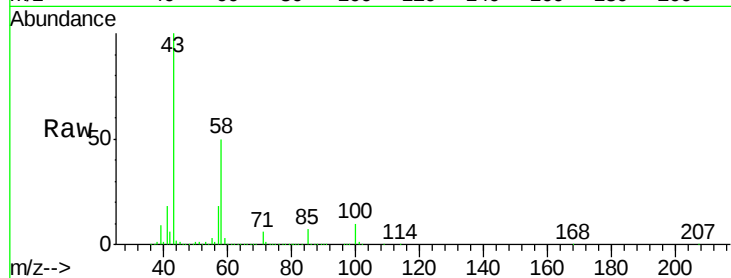
#59
2-Hexanone
Concen: 886.411 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1146982
Ion Ratio Lower Upper
43 100
58 49.2 24.7 74.1

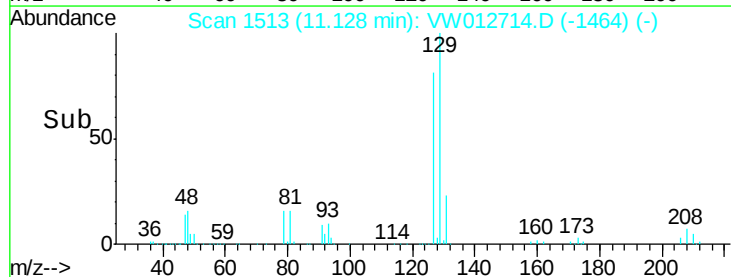
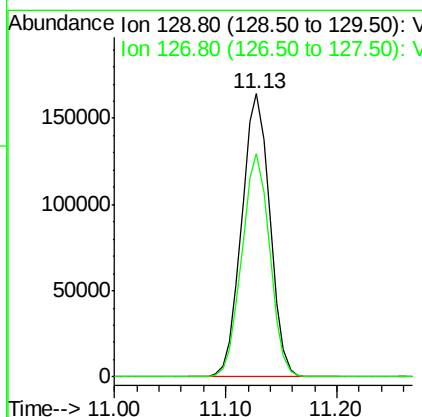
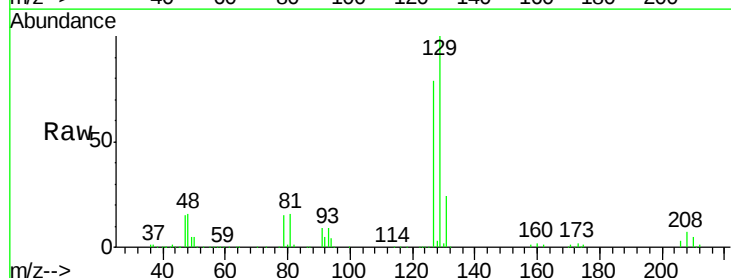
Manual Integrations
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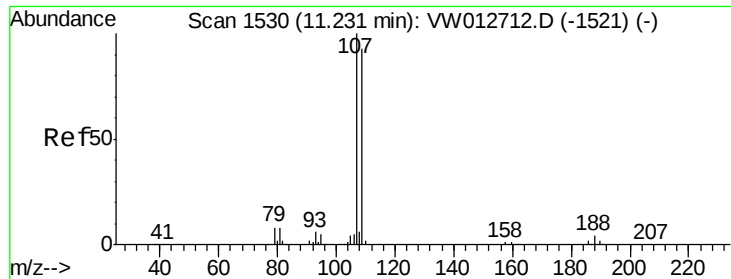
MMDadoda
9/10/2019 1:02:41 PM



#60
Dibromochloromethane
Concen: 160.934 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Tgt Ion: 129 Resp: 288577
Ion Ratio Lower Upper
129 100
127 78.1 38.6 115.8





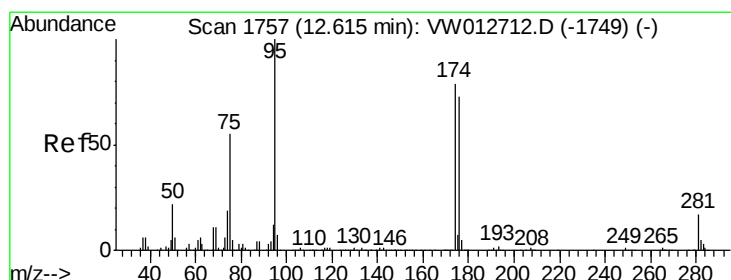
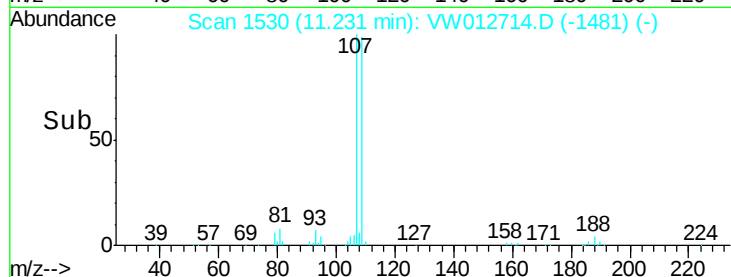
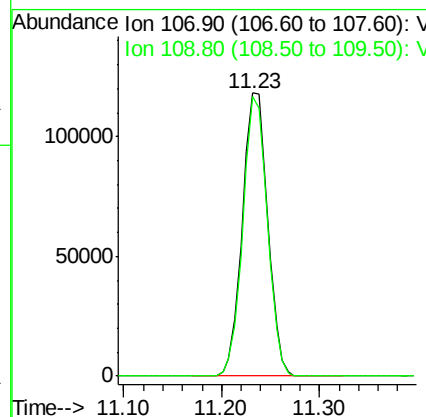
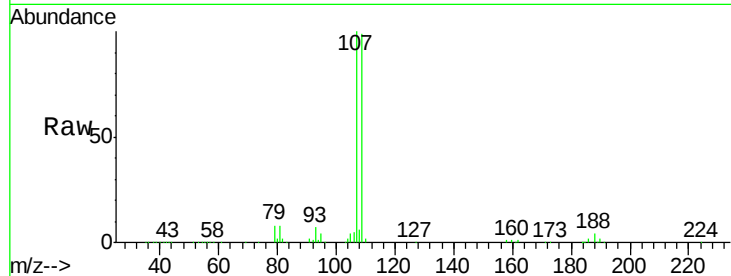
#61
 1,2-Dibromoethane
 Concen: 152.487 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW012714.D
 Acq: 07 Sep 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	213150		
109	95.5	75.0	112.6	

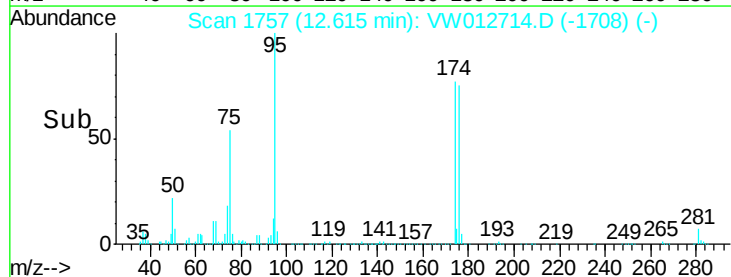
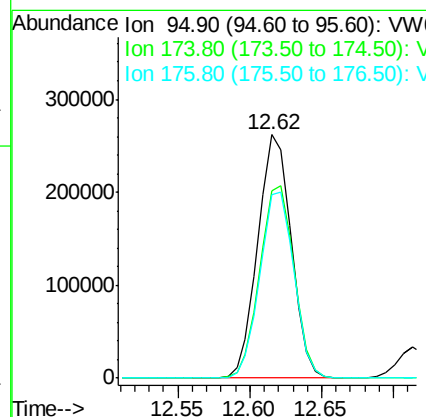
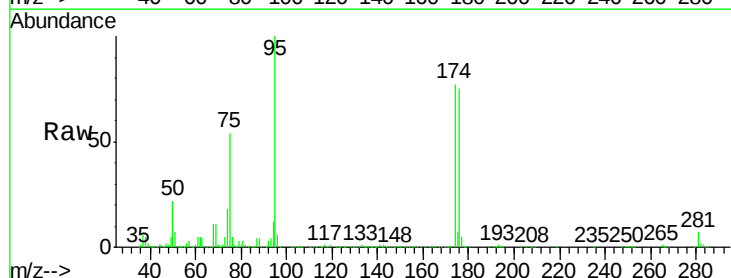
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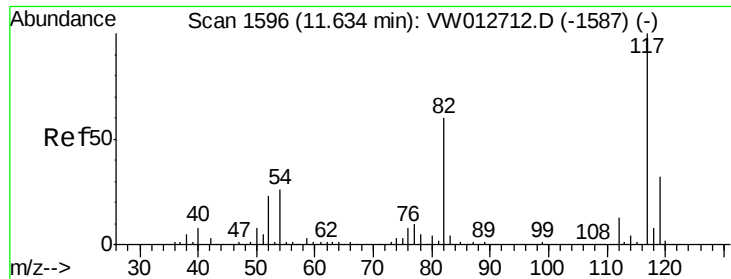
MMDadoda
 9/10/2019 1:02:41 PM



#62
 4-Bromofluorobenzene
 Concen: 157.826 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012714.D
 Acq: 07 Sep 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	419768		
174	80.9	0.0	161.0	
176	78.1	0.0	156.4	





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Instrument :

MSVOA_W

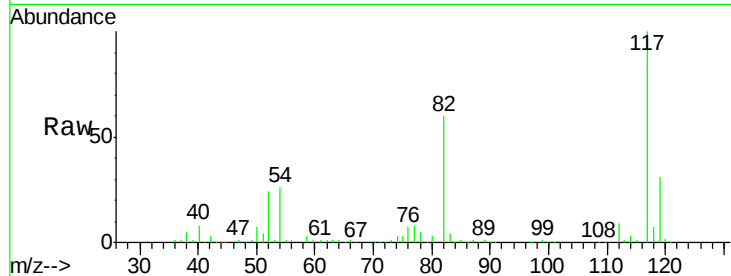
ClientSampleId :

VSTDIC150

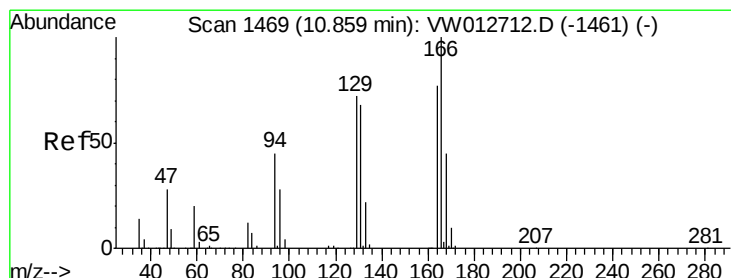
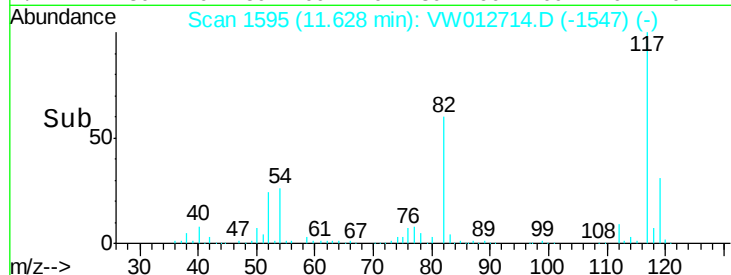
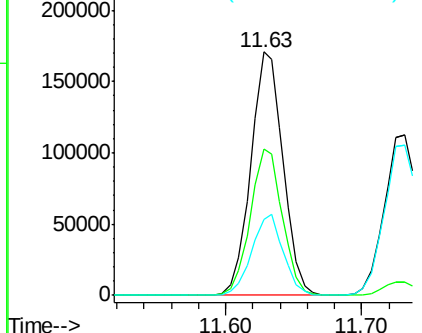
Tot Ion:	117	Resp:	283647
Ion Ratio	Lower	Upper	
117	100		
82	59.9	48.2	72.4
119	31.0	25.8	38.6

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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 145.654 ug/l

RT: 10.86 min Scan# 1469

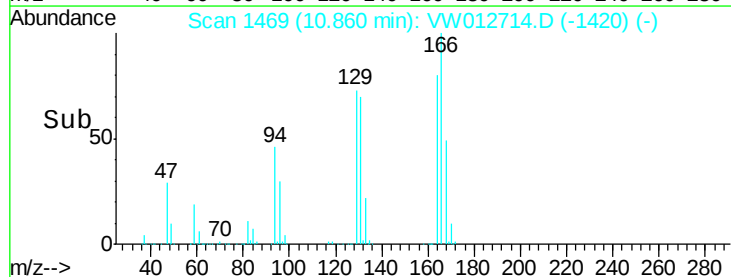
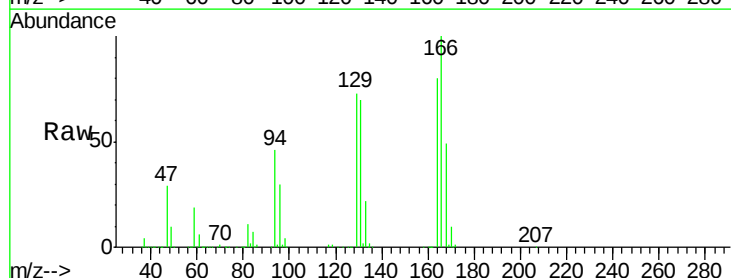
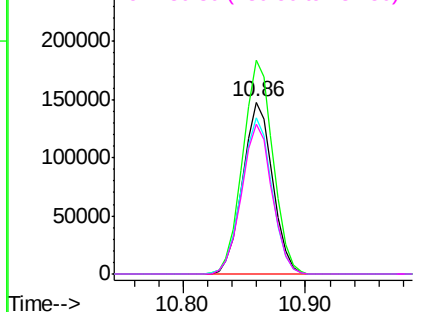
Delta R.T. 0.00 min

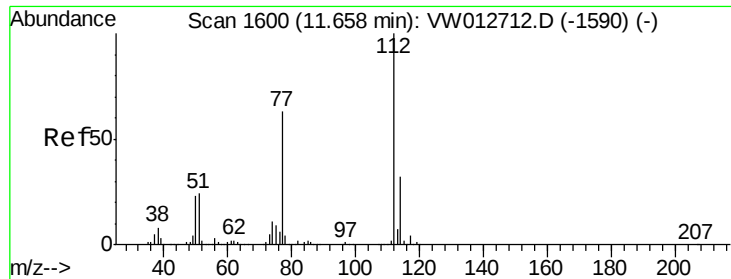
Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Tgt Ion:	164	Resp:	250686
Ion Ratio	Lower	Upper	
164	100		
166	124.2	103.6	155.4
129	90.8	74.6	112.0
131	87.1	70.6	106.0

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 142.465 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 763759

Ion Ratio Lower Upper

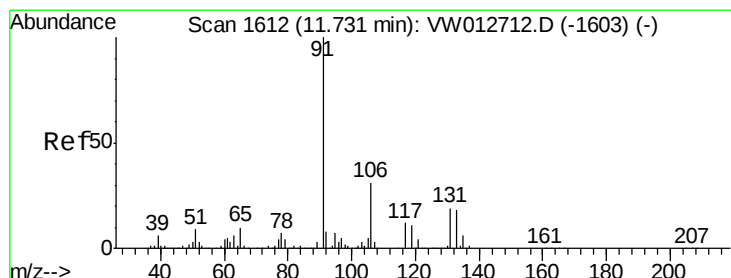
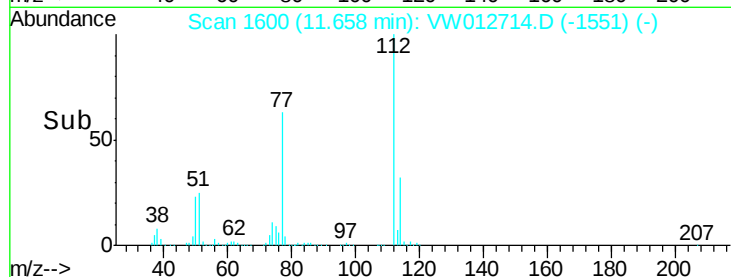
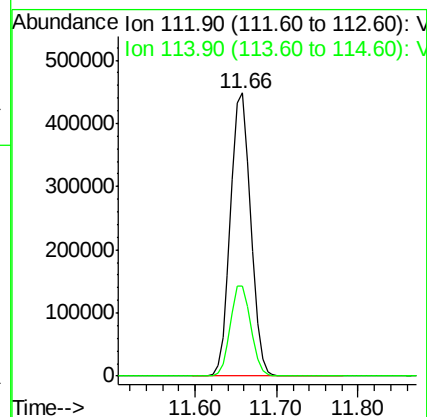
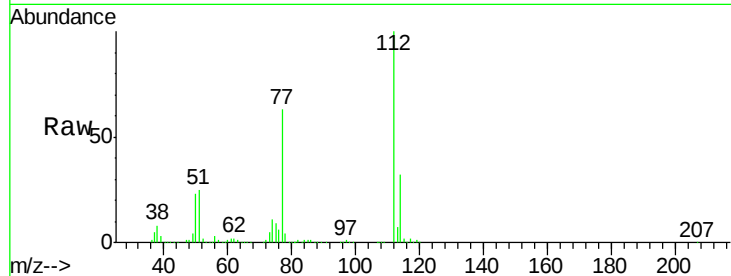
112 100

114 32.0 25.3 37.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 147.832 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

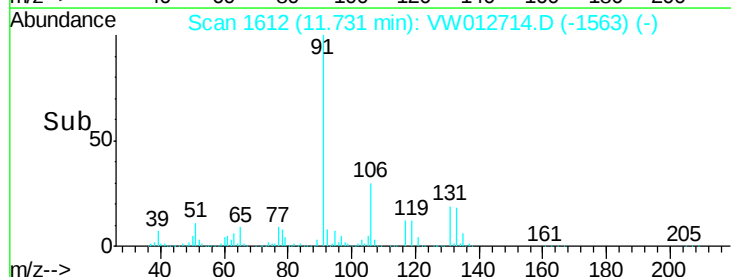
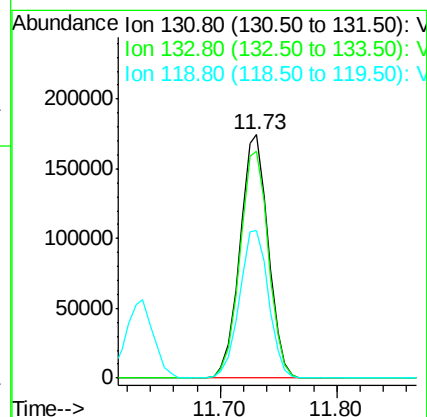
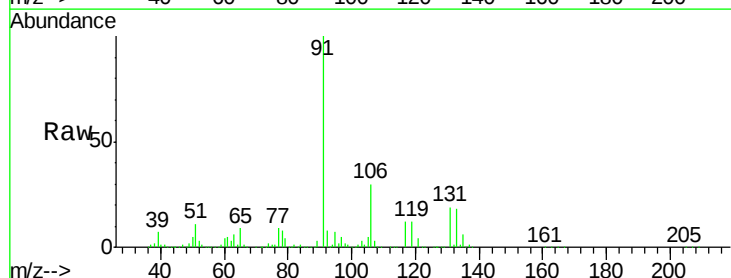
Tgt Ion:131 Resp: 295140

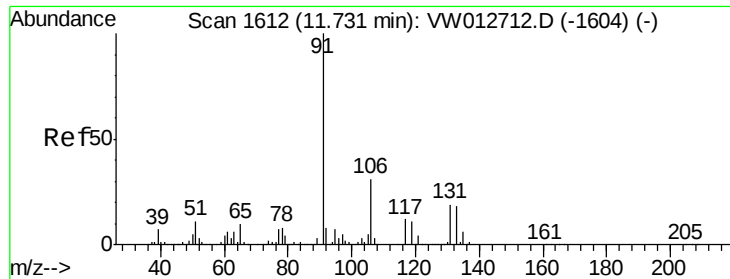
Ion Ratio Lower Upper

131 100

133 94.4 47.6 142.8

119 62.2 30.6 92.0





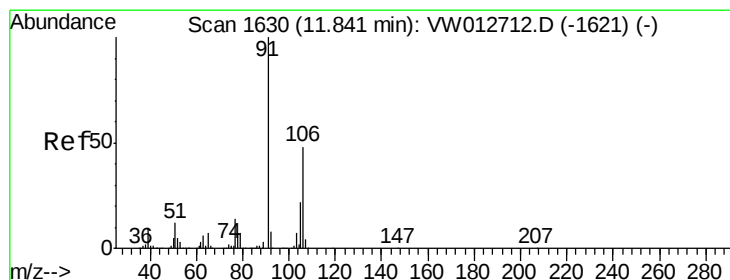
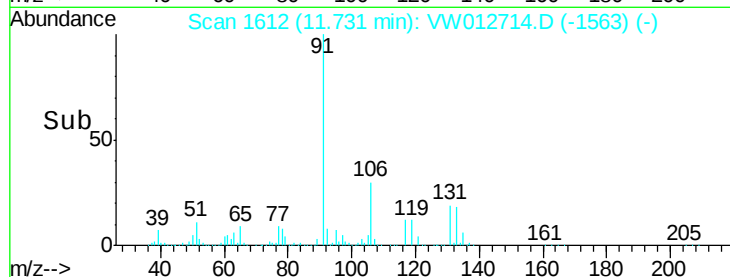
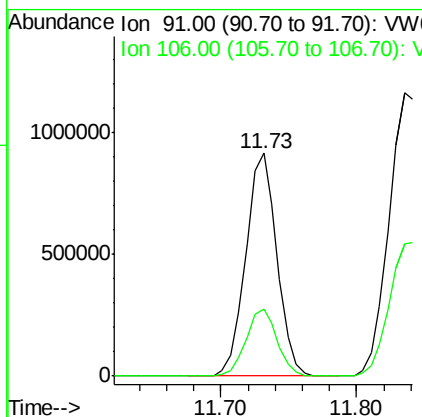
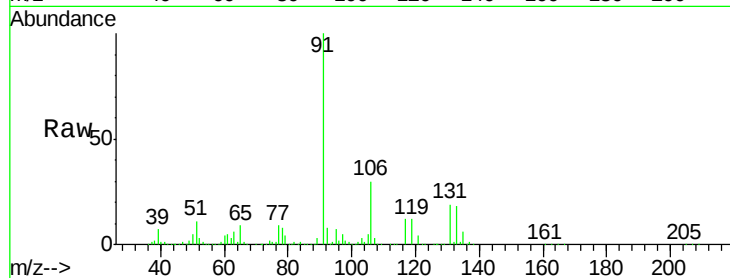
#67
Ethyl Benzene
Concen: 145.278 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1461288
Ion Ratio Lower Upper
91 100
106 29.9 24.4 36.6

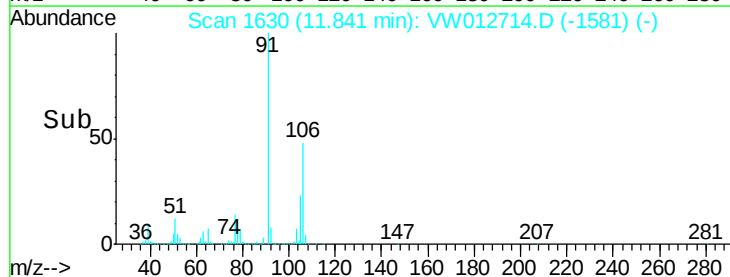
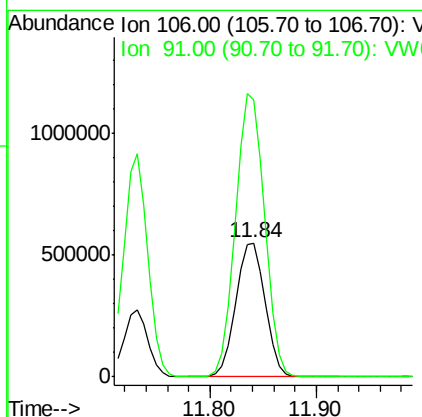
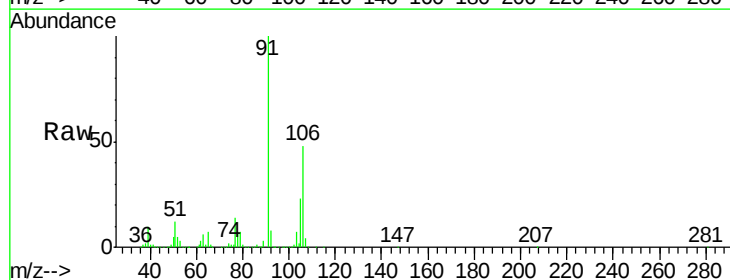
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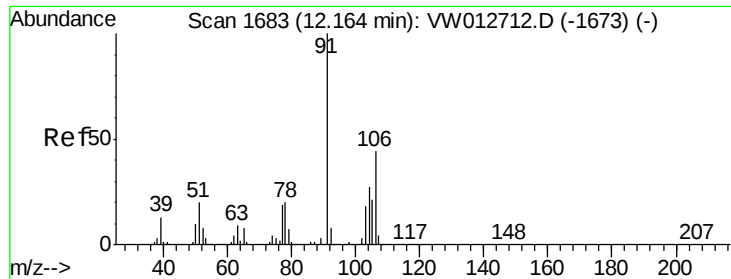
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#68
m/p-Xylenes
Concen: 291.890 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Tgt Ion: 106 Resp: 1059758
Ion Ratio Lower Upper
106 100
91 210.2 168.2 252.4





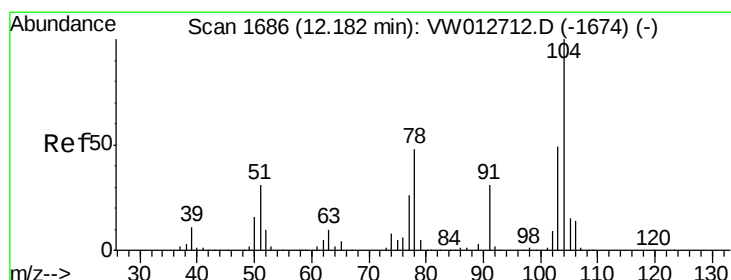
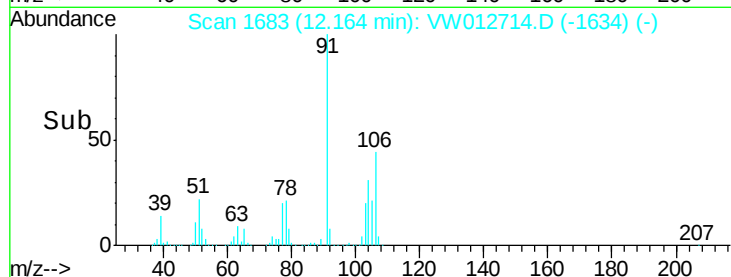
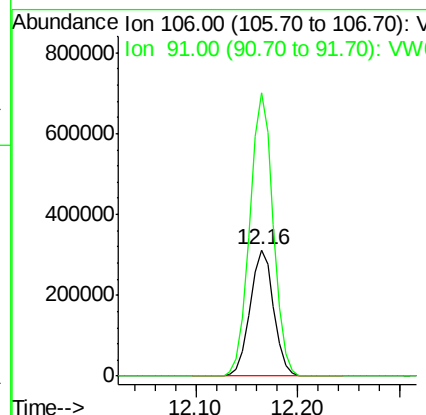
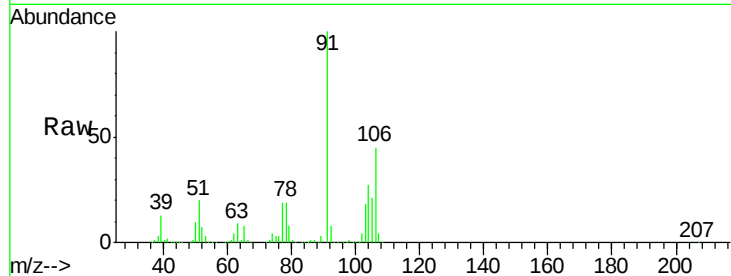
#69
o-Xylene
Concen: 146.299 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
501114	106	100			
	91	223.1	112.3	336.8	

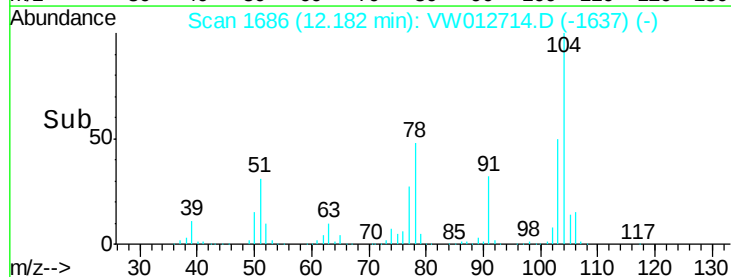
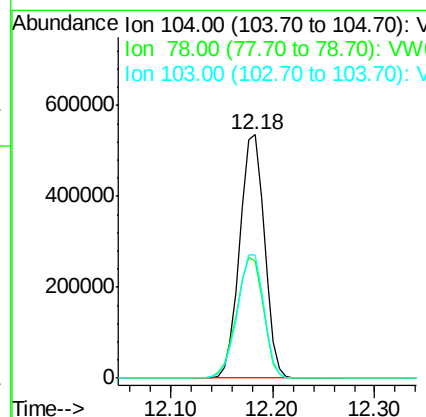
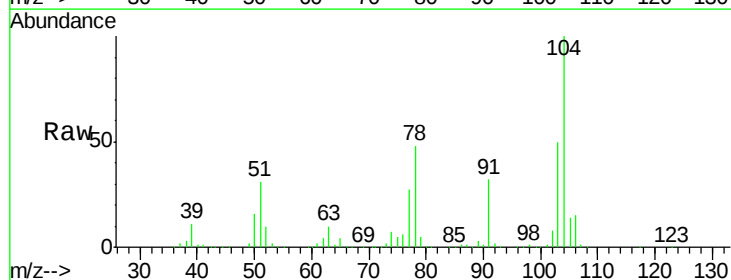
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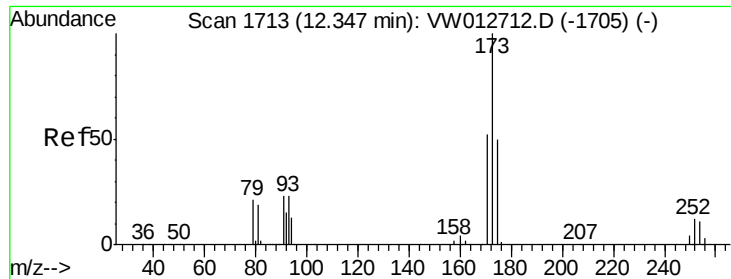
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#70
Styrene
Concen: 148.232 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
897206	104	100			
	78	53.8	43.3	64.9	
	103	54.5	44.0	66.0	





#71

Bromoform

Concen: 163.913 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Instrument :

MSVOA_W

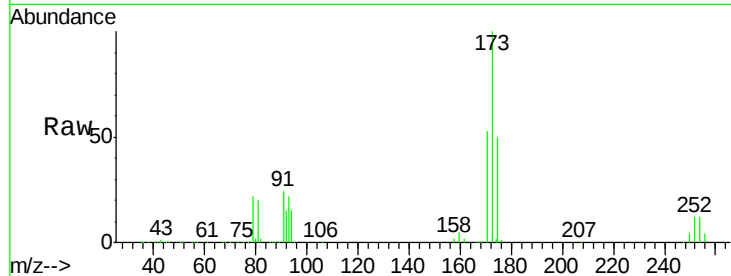
ClientSampleId :

VSTDIC150

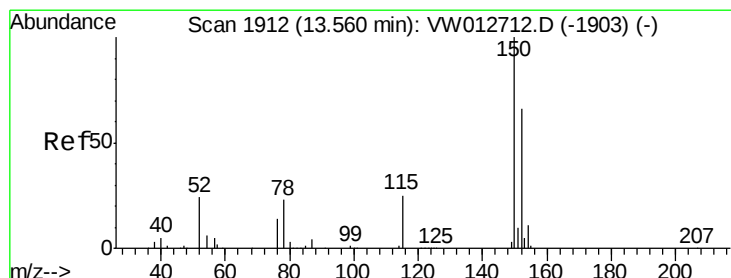
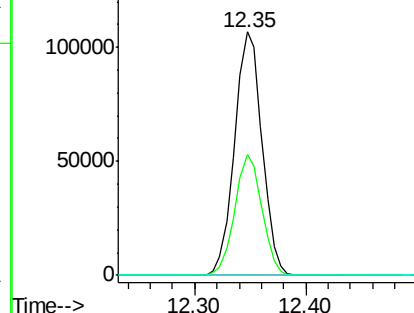
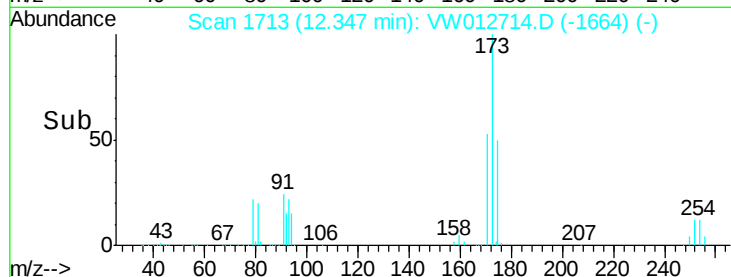
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.8	74.3
254	0.0	0.1	0.1

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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

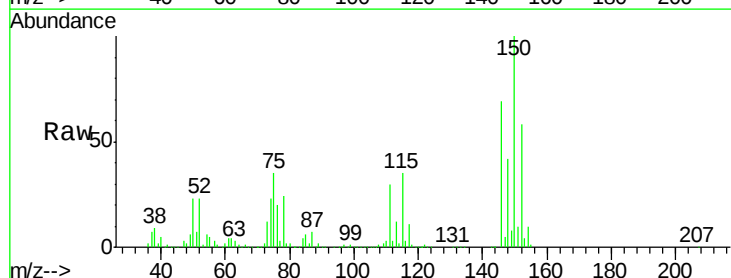
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

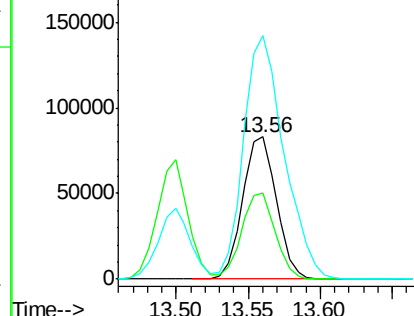
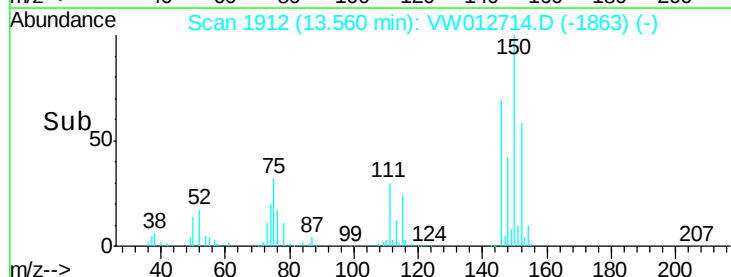
Lab File: VW012714.D

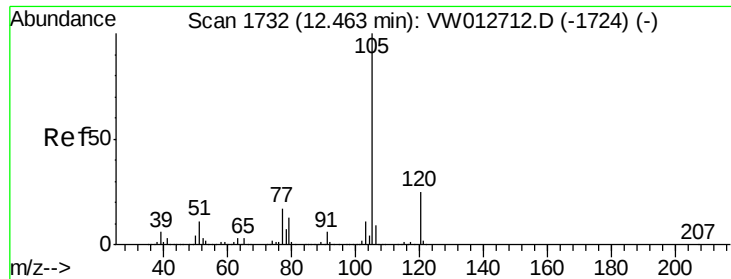
Acq: 07 Sep 2019 11:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.0	90.1
150	205.6	0.0	349.0



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: 150.355 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1452851

Ion Ratio Lower Upper

105 100

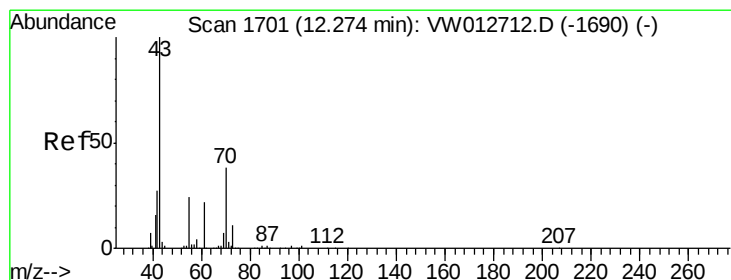
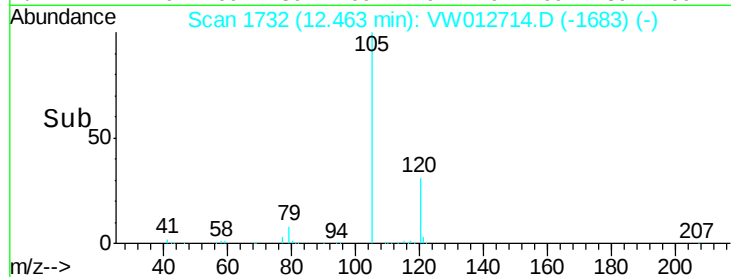
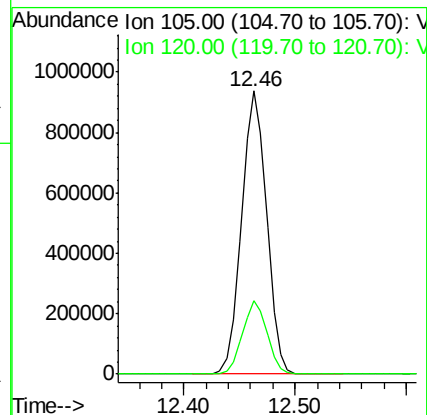
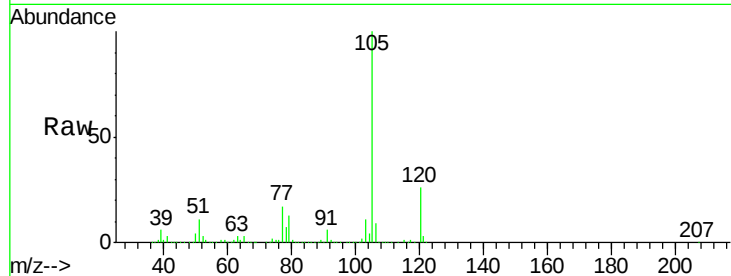
120 25.4 13.0 38.9

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#74

N-ethyl acetate

Concen: 172.320 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Tgt Ion: 43 Resp: 528525

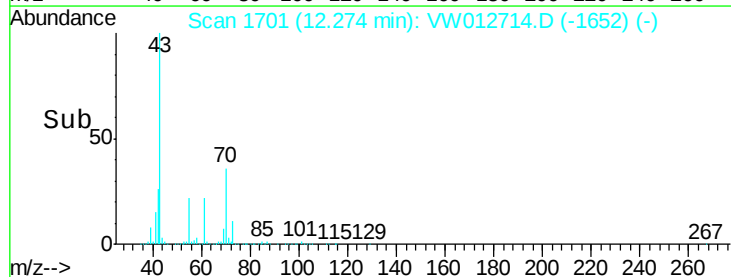
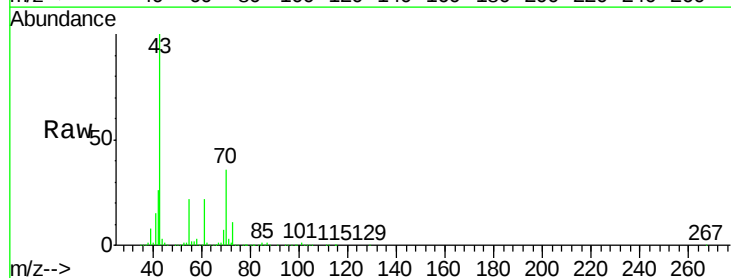
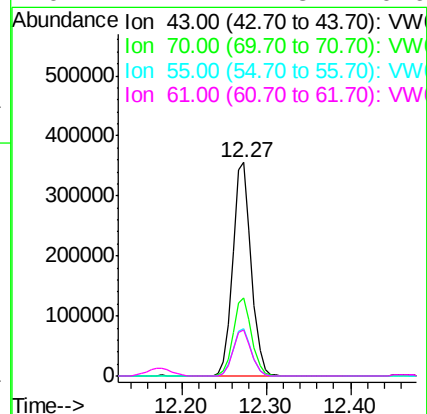
Ion Ratio Lower Upper

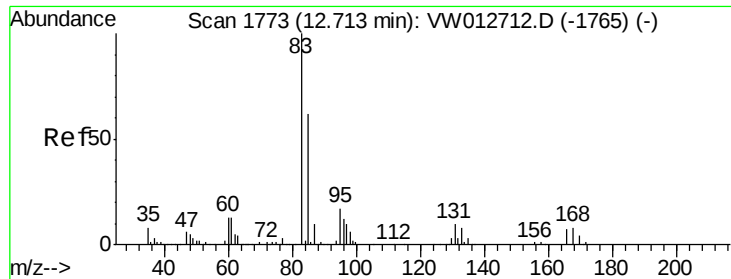
43 100

70 36.6 29.4 44.0

55 22.5 18.6 27.8

61 21.7 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 158.291 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Instrument :

MSVOA_W

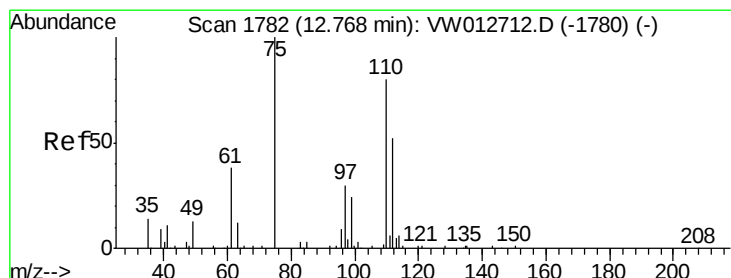
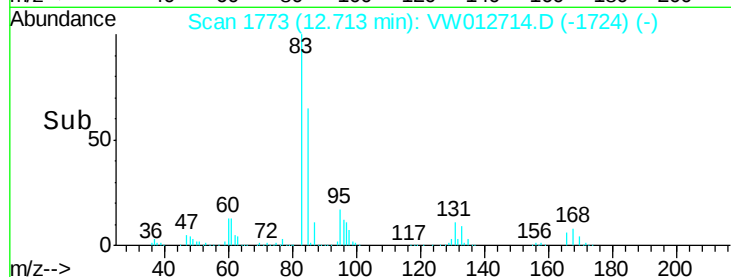
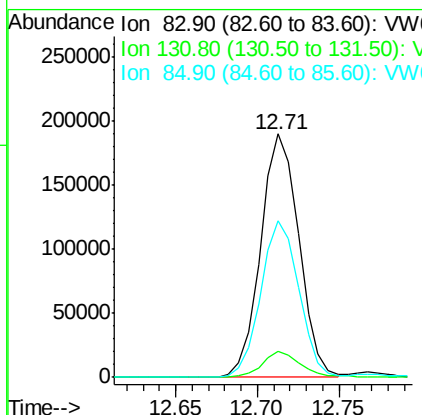
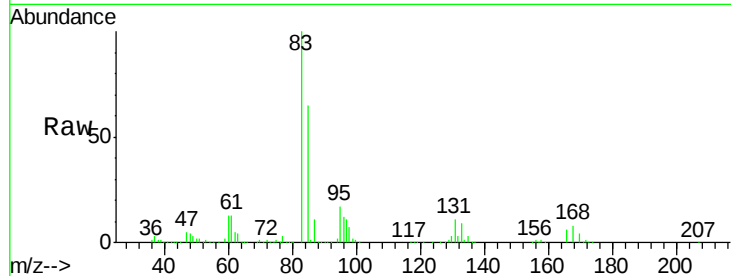
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	307174
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.1	15.4
85	64.3	31.4	94.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 163.440 ug/l m

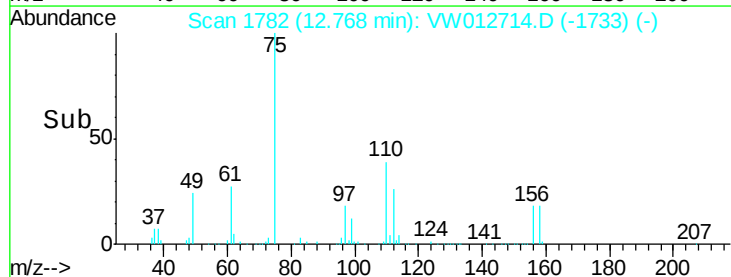
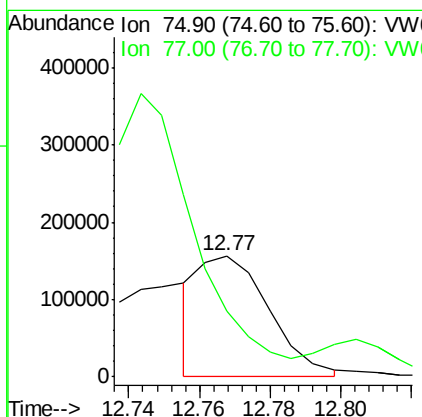
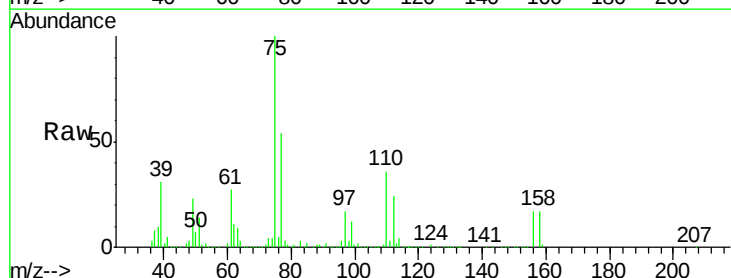
RT: 12.77 min Scan# 1782

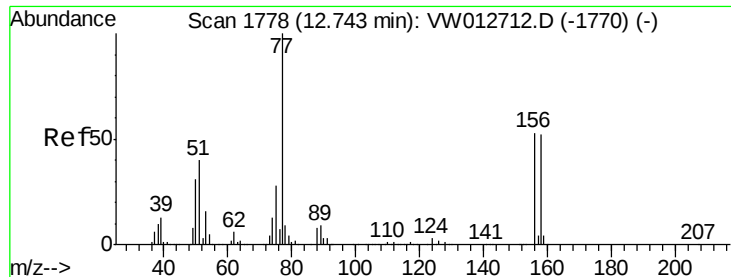
Delta R.T. 0.00 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Tgt Ion:	75	Resp:	216086
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 147.914 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Instrument :

MSVOA_W

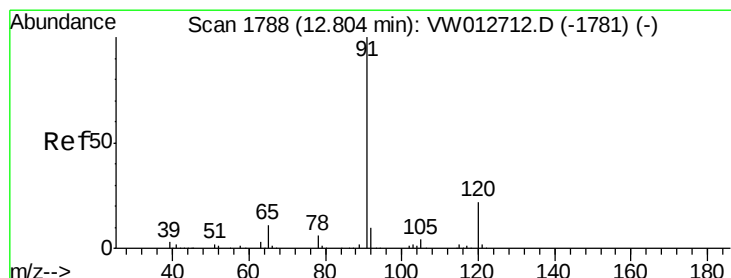
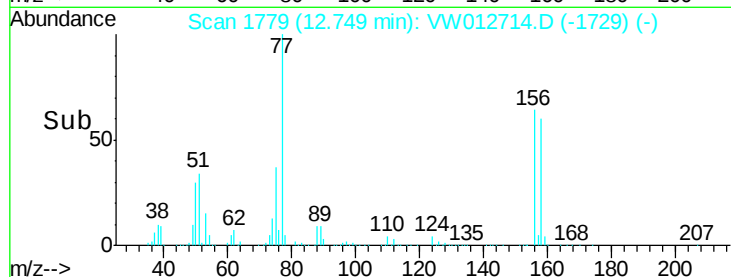
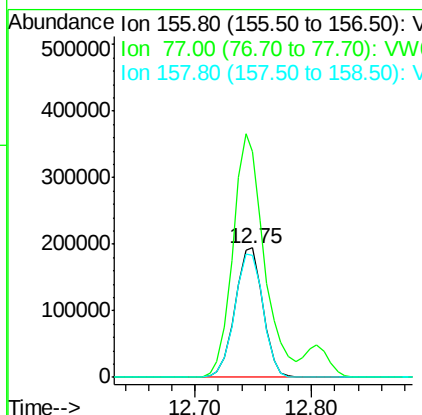
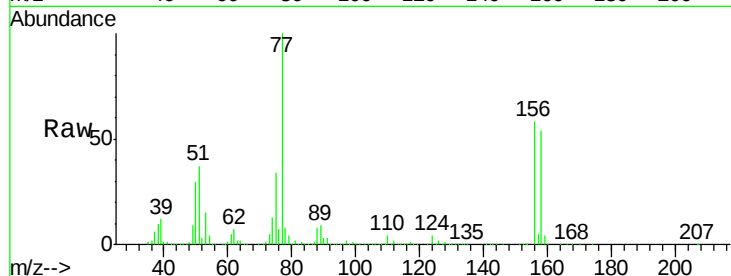
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	323812
Ion Ratio	Lower	Upper	
156	100		
77	209.8	102.3	306.9
158	97.6	48.9	146.8

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#78

n-propylbenzene

Concen: 149.645 ug/l

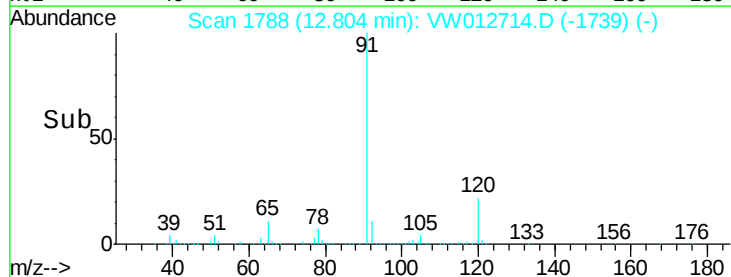
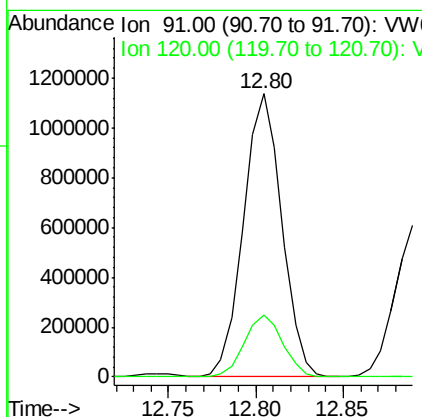
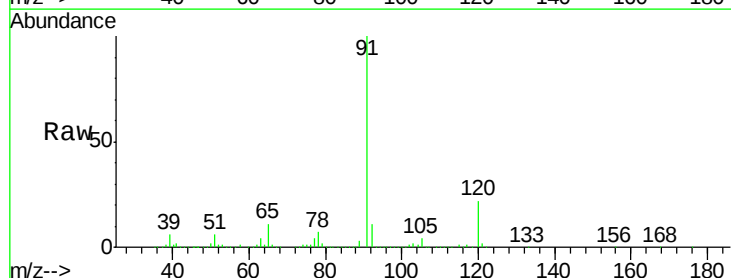
RT: 12.80 min Scan# 1788

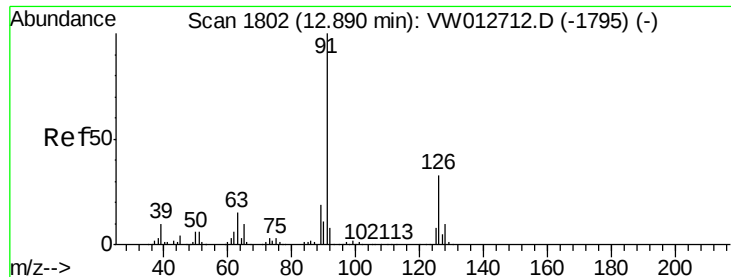
Delta R.T. 0.00 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Tgt Ion:	91	Resp:	1729401
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.0	33.0





#79

2-Chlorotoluene

Concen: 147.783 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 980444

Ion Ratio Lower Upper

91 100

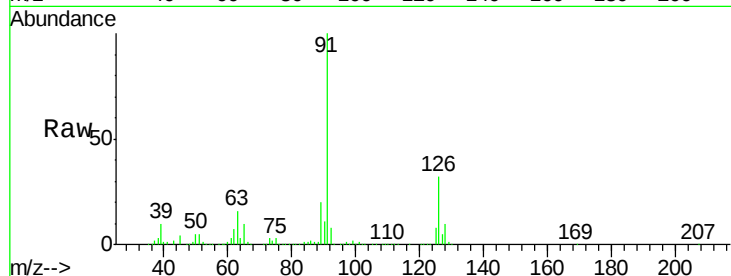
126 32.1 16.1 48.3

Manual Integrations

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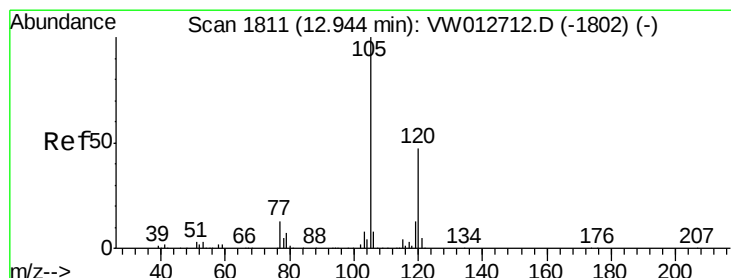
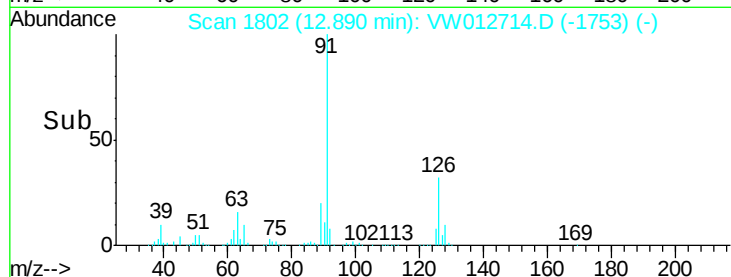
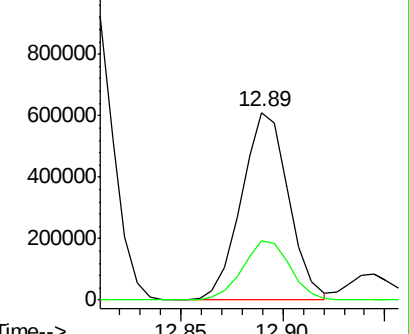
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 149.206 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012714.D

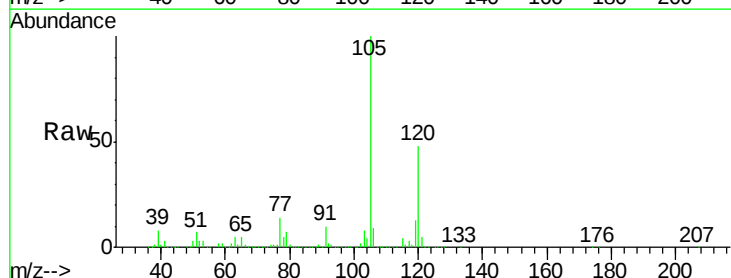
Acq: 07 Sep 2019 11:56

Tgt Ion:105 Resp: 1214876

Ion Ratio Lower Upper

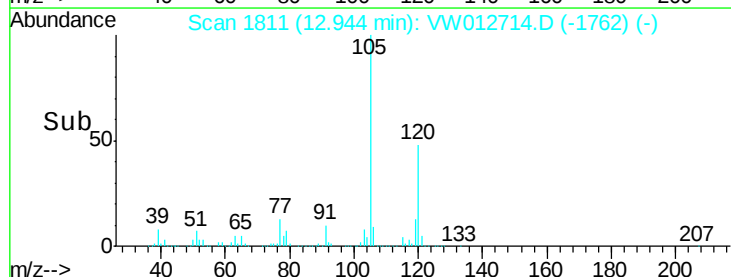
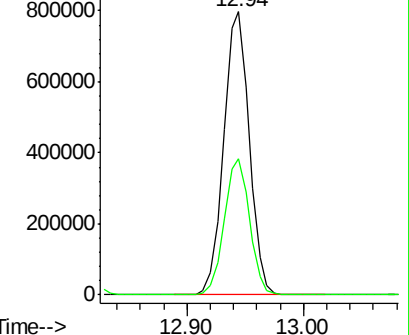
105 100

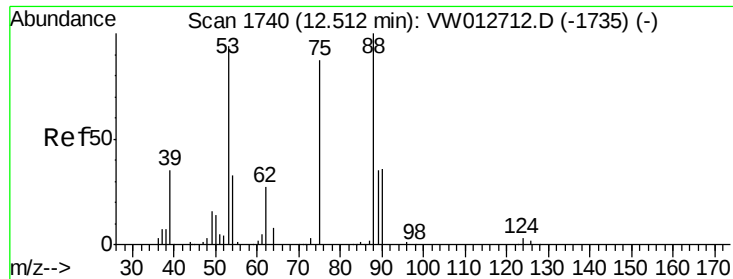
120 47.8 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





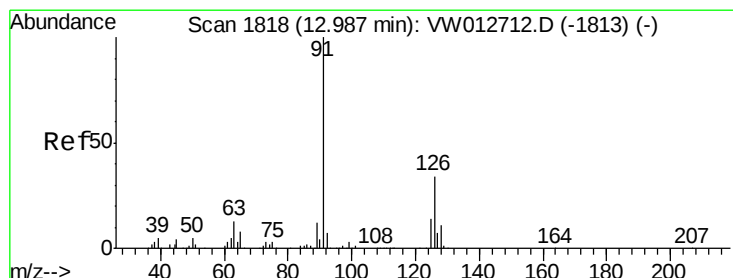
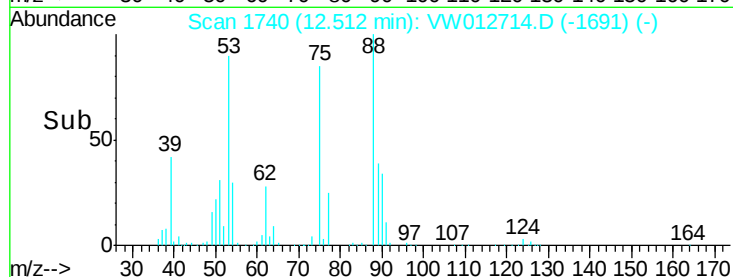
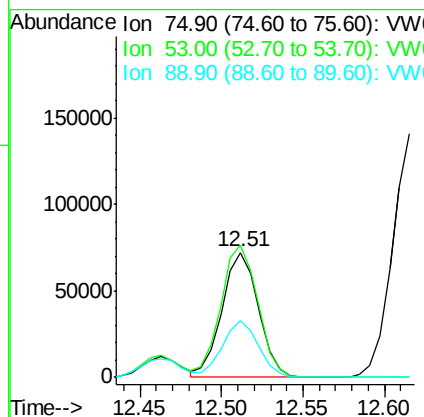
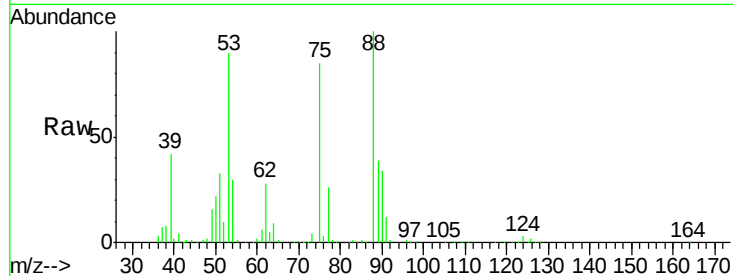
#81
trans-1,4-Dichloro-2-butene
Concen: 171.882 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.0	87.6	131.4
89	44.5	35.5	53.3

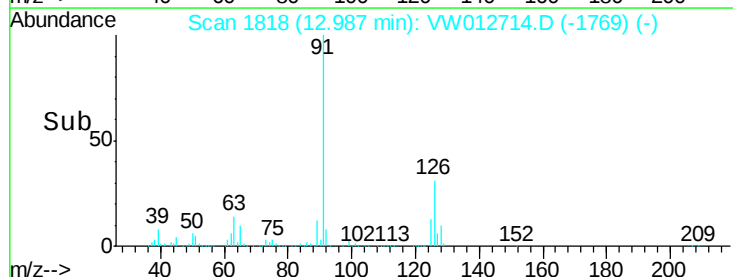
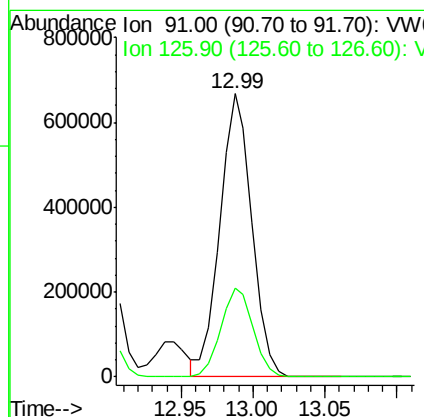
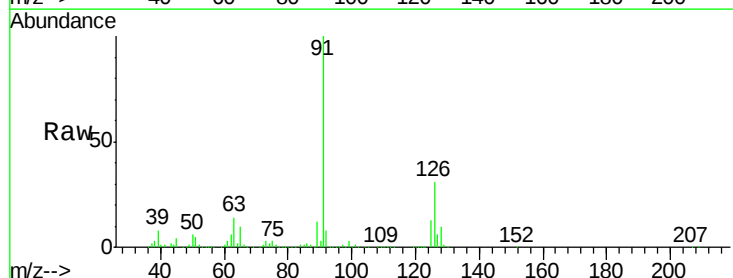
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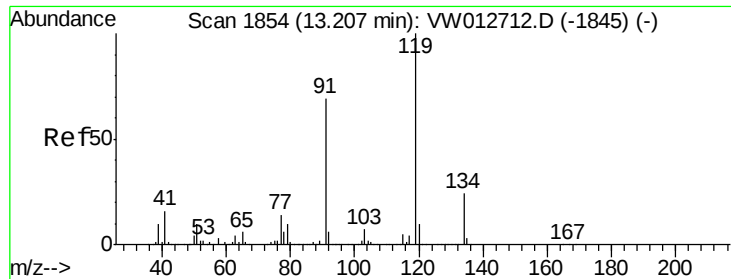
MMDadoda
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#82
4-Chlorotoluene
Concen: 147.164 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.9	47.6





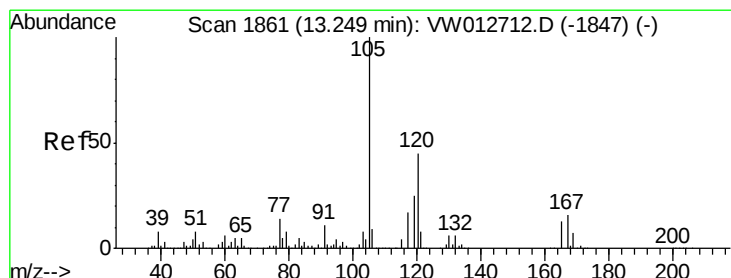
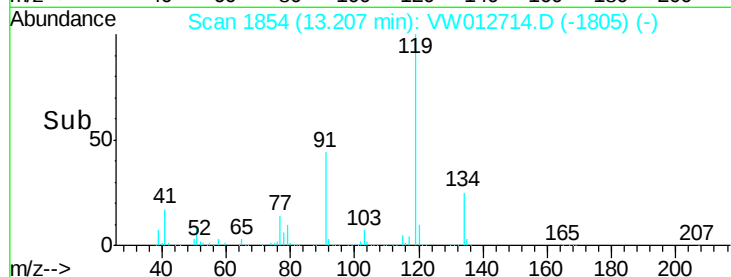
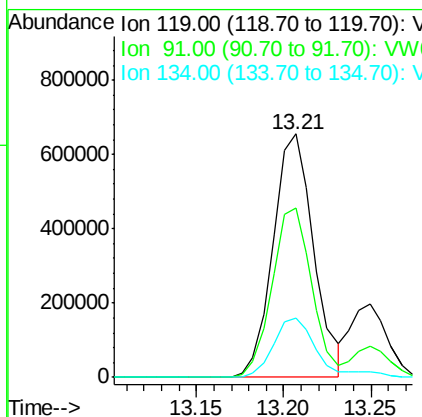
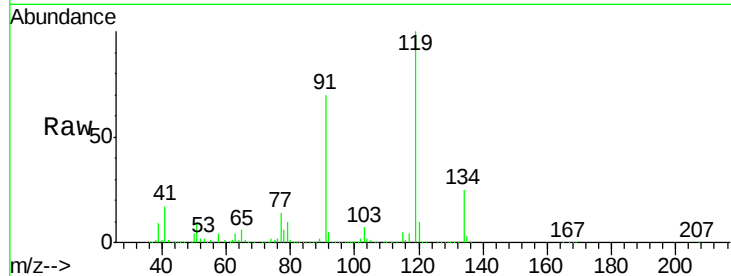
#83
 tert-Butylbenzene
 Concen: 147.603 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012714.D
 Acq: 07 Sep 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 1062656
 Ion Ratio Lower Upper
 119 100
 91 68.1 34.2 102.5
 134 24.8 12.3 36.9

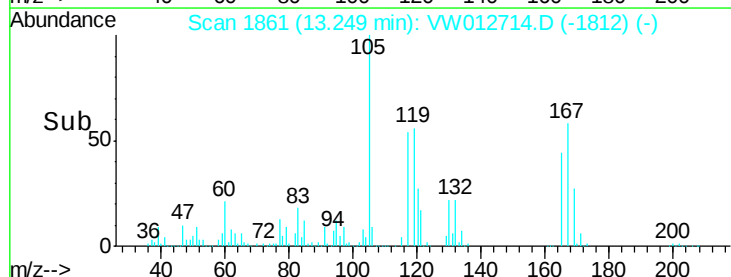
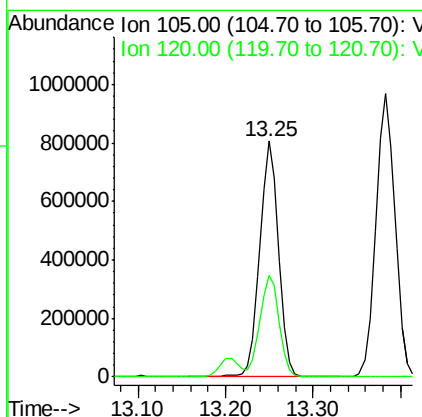
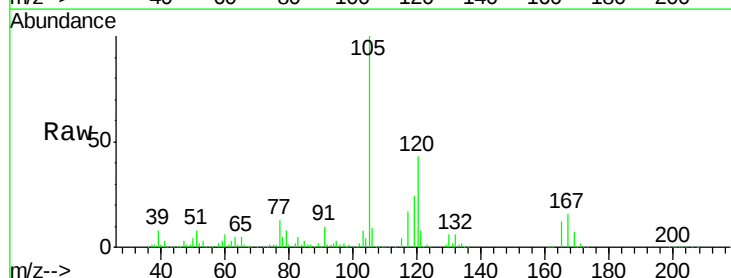
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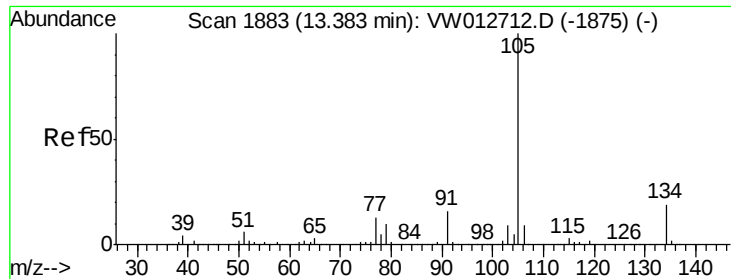
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#84
 1,2,4-Trimethylbenzene
 Concen: 146.751 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012714.D
 Acq: 07 Sep 2019 11:56

Tgt Ion:105 Resp: 1204006
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.1 66.3





#85

sec-Butylbenzene

Concen: 146.700 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1465570

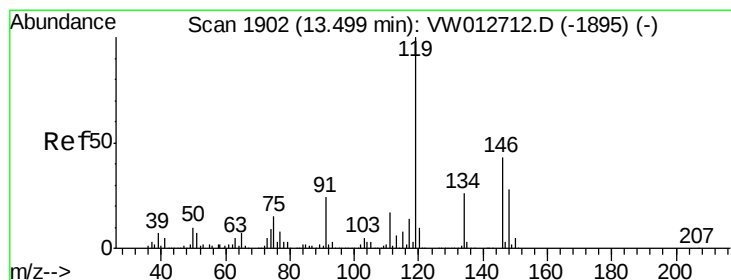
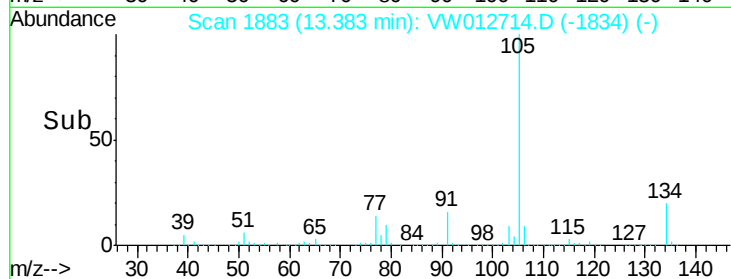
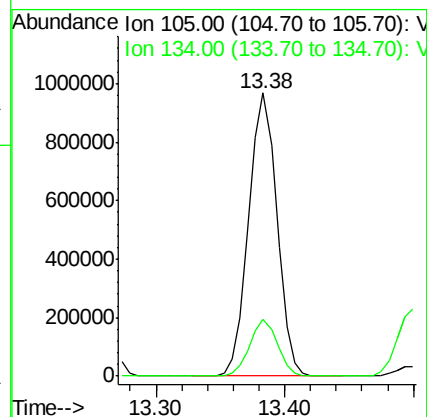
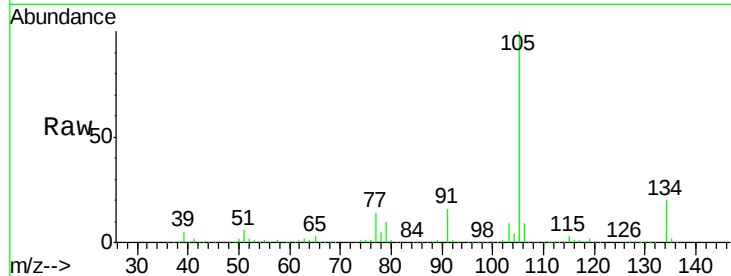
Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.3

Manual Integrations
APPROVED

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#86

p-Isopropyltoluene

Concen: 147.421 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

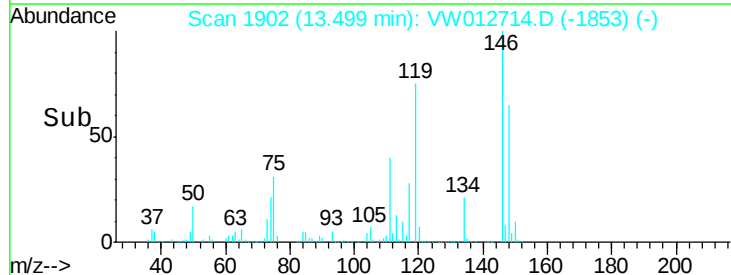
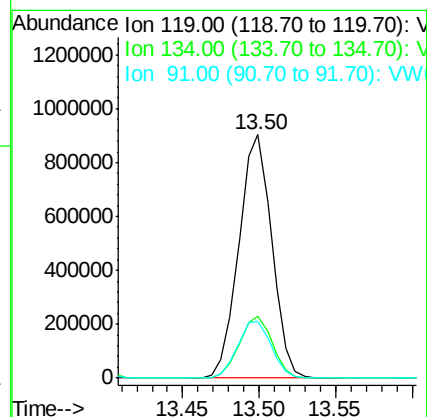
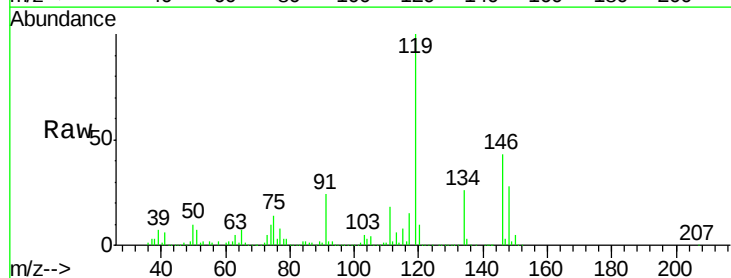
Tgt Ion:119 Resp: 1345250

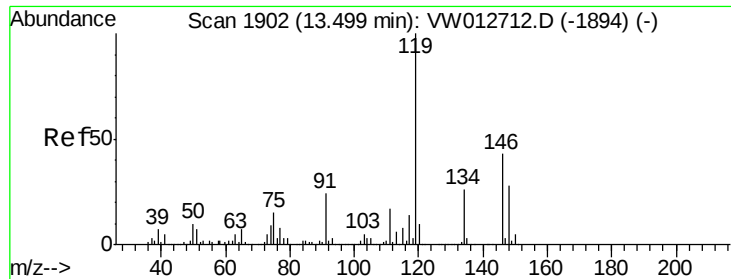
Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.1

91 24.1 12.2 36.6





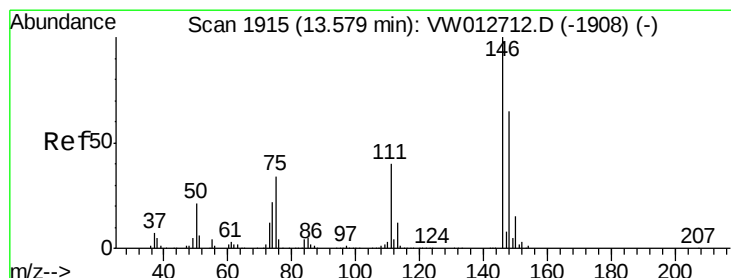
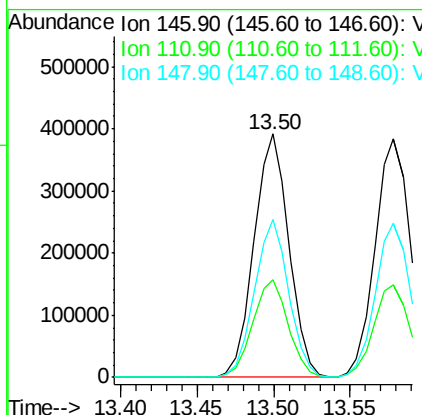
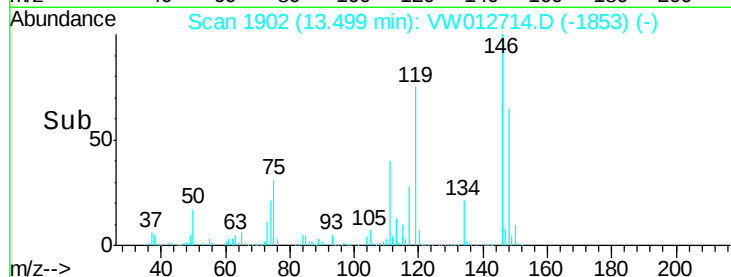
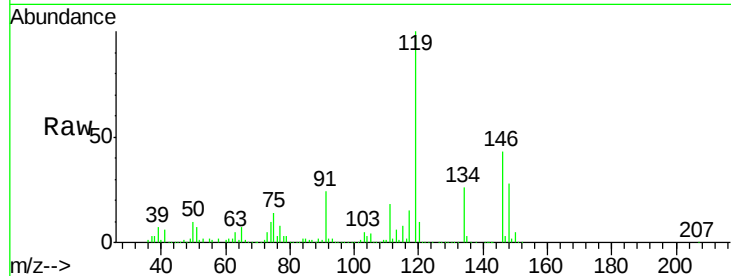
#87
 1,3-Dichlorobenzene
 Concen: 144.324 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012714.D
 Acq: 07 Sep 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	621022		
111	40.7	20.4	61.2	
148	63.9	31.8	95.4	

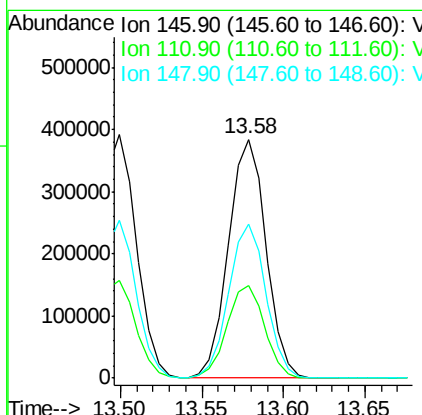
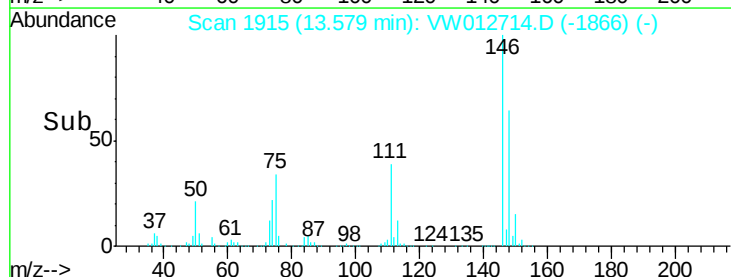
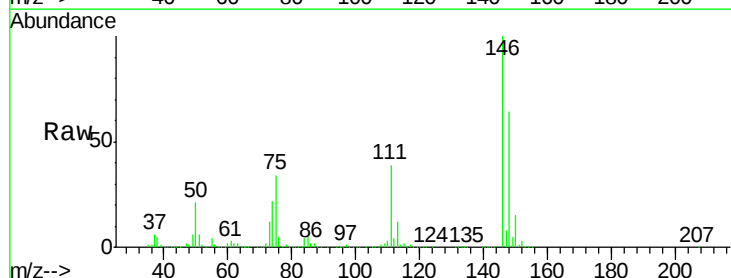
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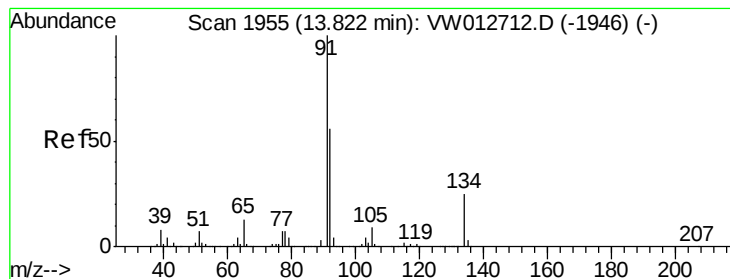
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#88
 1,4-Dichlorobenzene
 Concen: 143.752 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012714.D
 Acq: 07 Sep 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	615508		
111	39.0	20.0	60.0	
148	63.9	32.2	96.6	





#89

n-Butylbenzene

Concen: 149.672 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012714.D

Acq: 07 Sep 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1325954

Ion Ratio Lower Upper

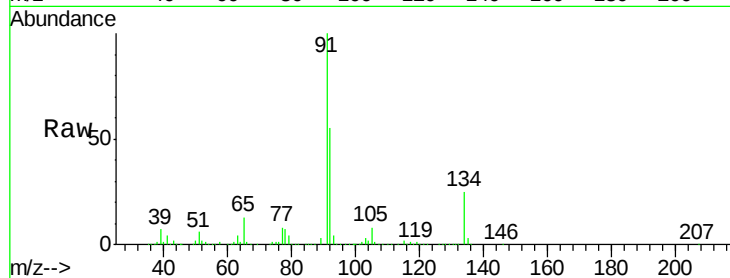
91 100

92 54.4 27.2 81.5

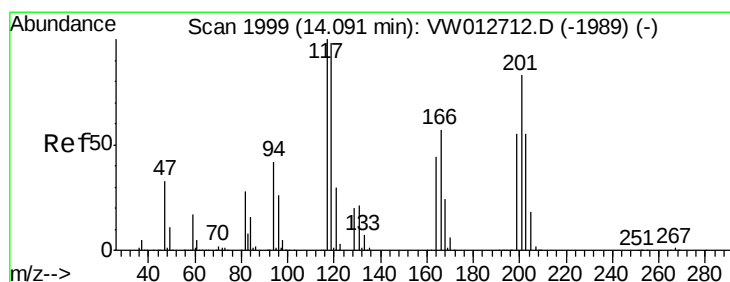
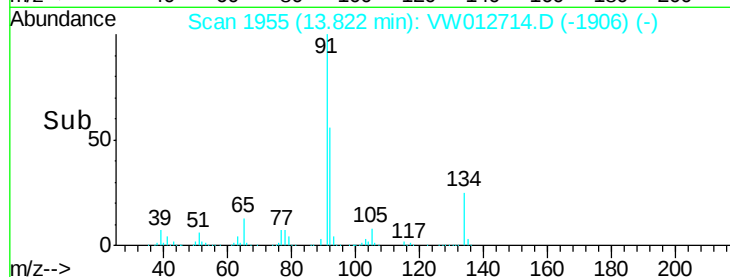
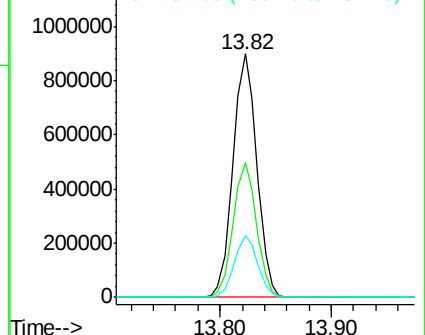
134 25.1 12.7 38.1

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 153.599 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW012714.D

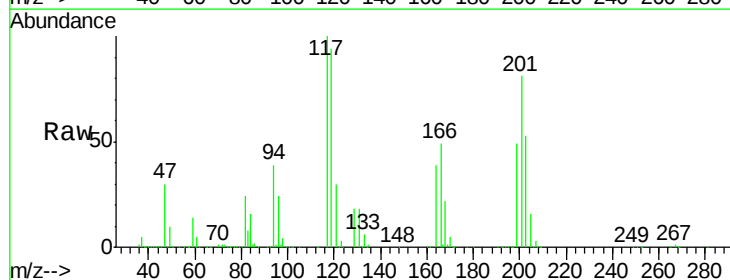
Acq: 07 Sep 2019 11:56

Tgt Ion: 117 Resp: 244687

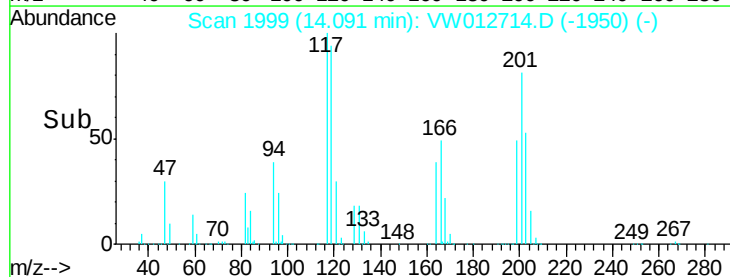
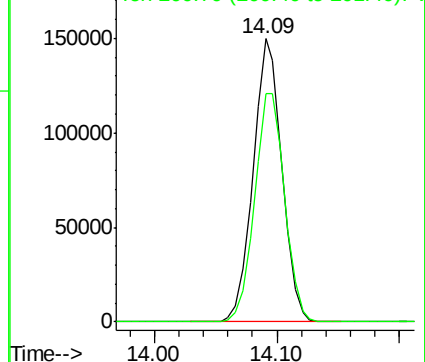
Ion Ratio Lower Upper

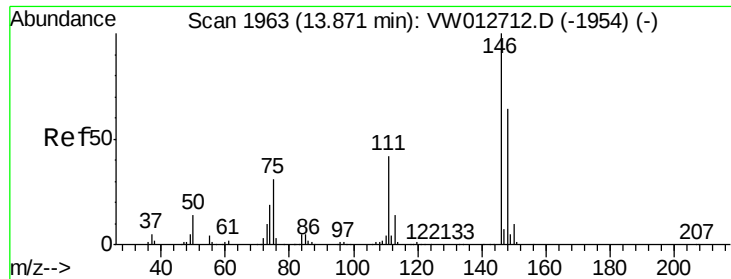
117 100

201 84.2 42.8 128.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





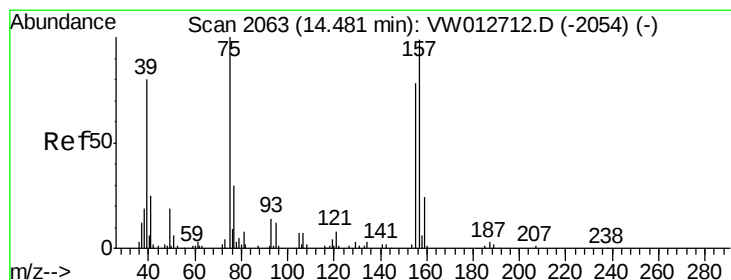
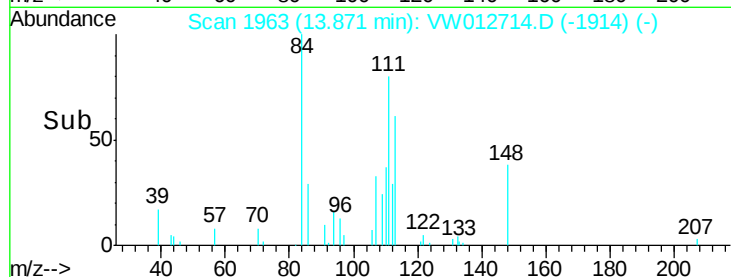
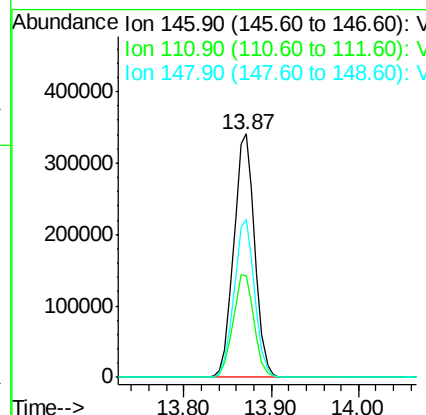
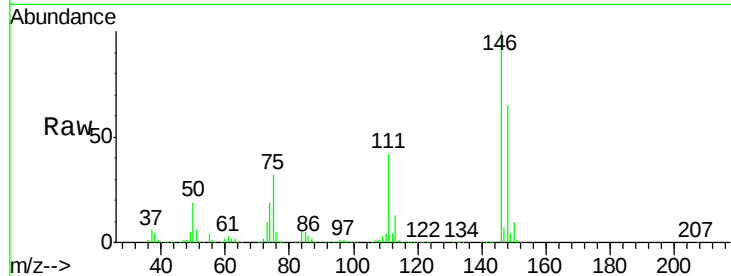
#91
 1,2-Dichlorobenzene
 Concen: 146.376 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012714.D
 Acq: 07 Sep 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	566905		
111	42.2	21.3	63.9	
148	63.7	32.1	96.5	

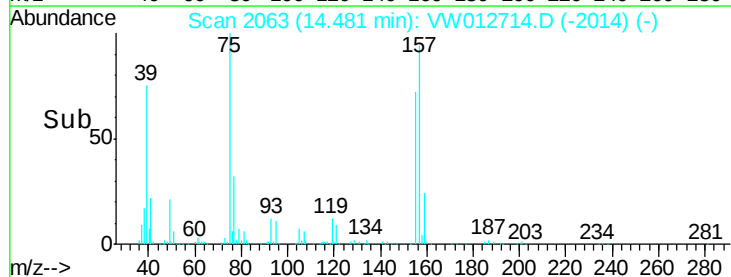
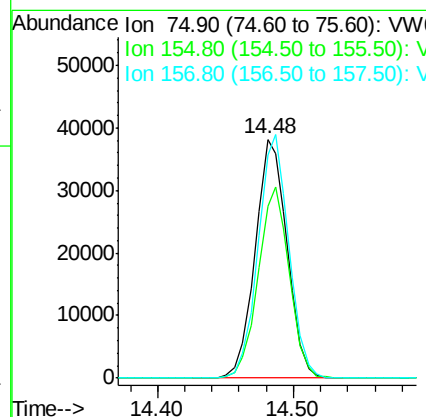
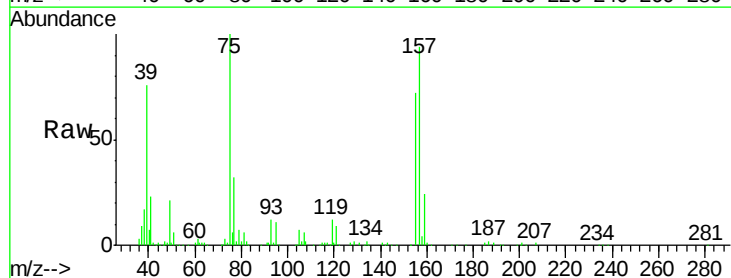
Manual Integrations
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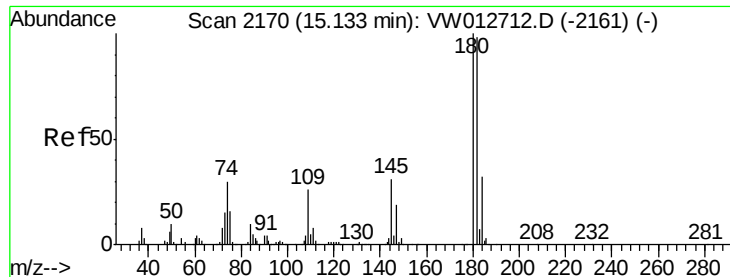
MMDadoda
 9/10/2019 1:02:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 176.123 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW012714.D
 Acq: 07 Sep 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	62547		
155	77.9	40.6	122.0	
157	98.5	52.5	157.5	





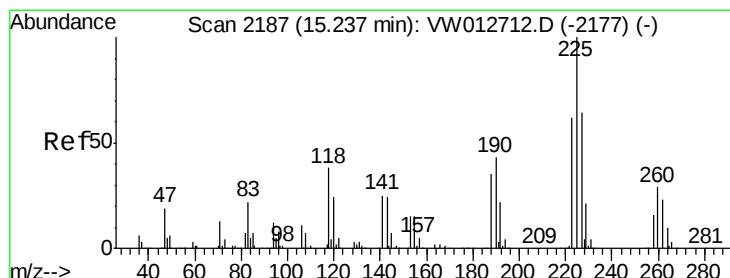
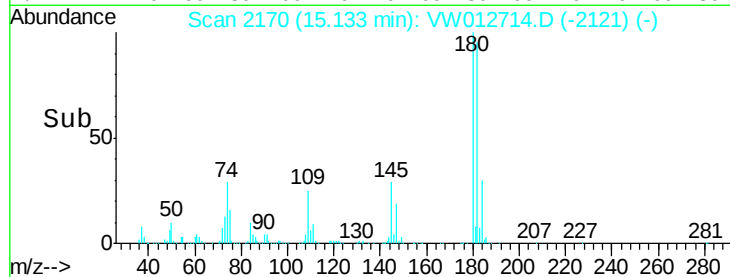
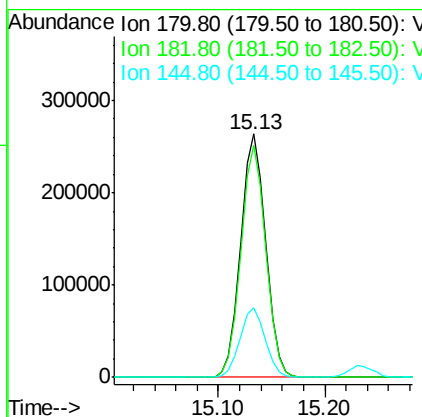
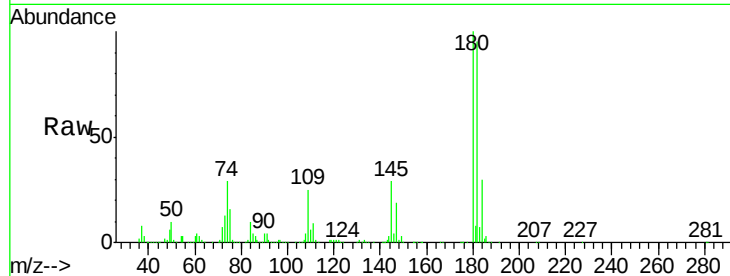
#93
 1,2,4-Trichlorobenzene
 Concen: 161.115 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012714.D
 Acq: 07 Sep 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	434436		
182	95.0	48.7	146.1	
145	29.0	15.0	45.1	

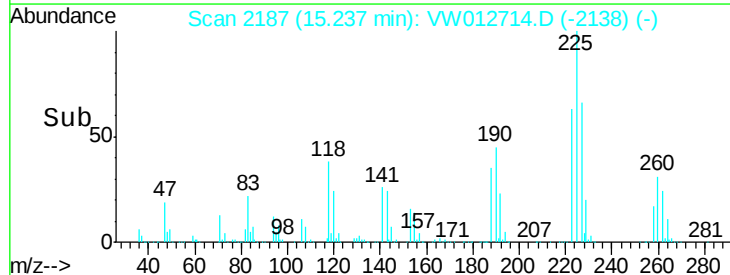
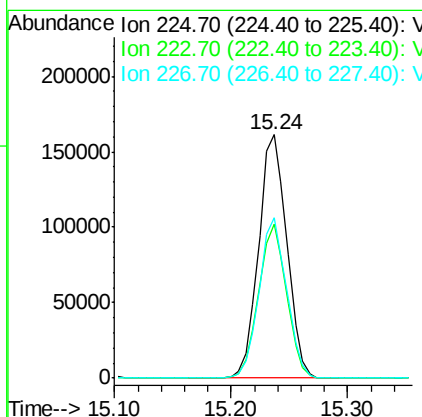
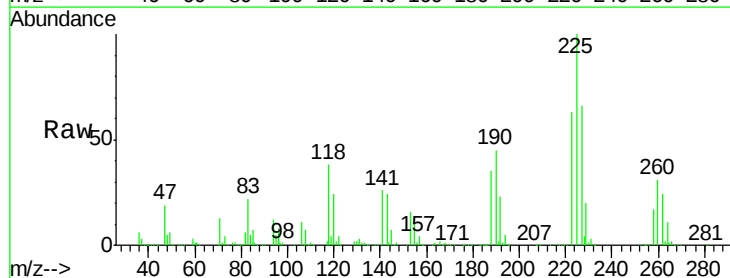
Manual Integrations
 APPROVED

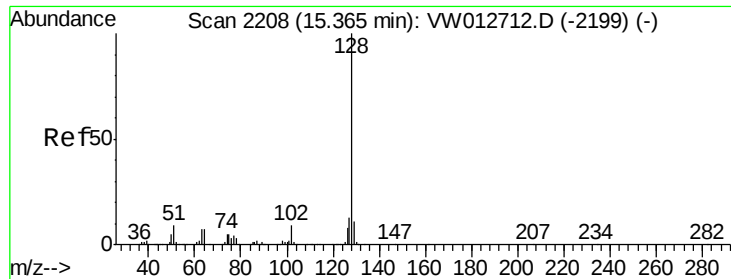
MMDadoda
 9/10/2019 1:02:41 PM



#94
 Hexachlorobutadiene
 Concen: 145.118 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012714.D
 Acq: 07 Sep 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	270846		
223	62.7	31.1	93.3	
227	64.5	31.4	94.2	





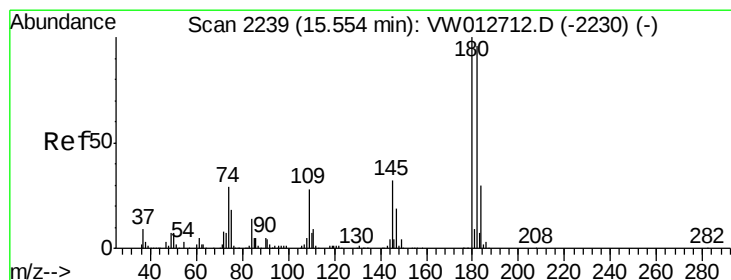
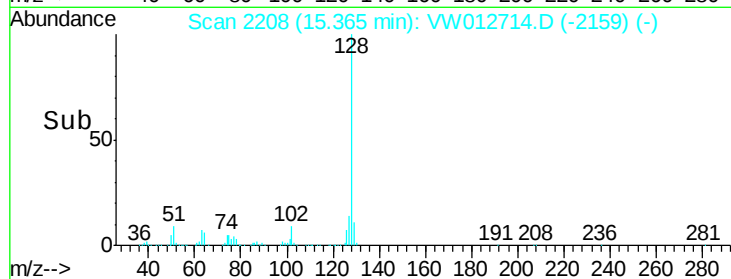
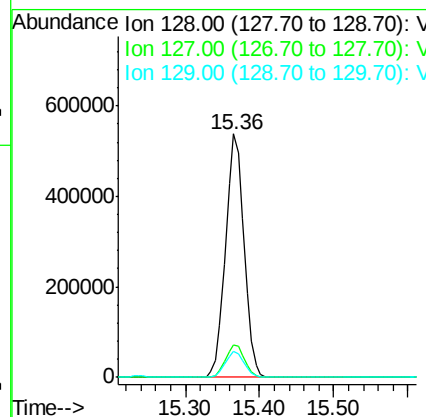
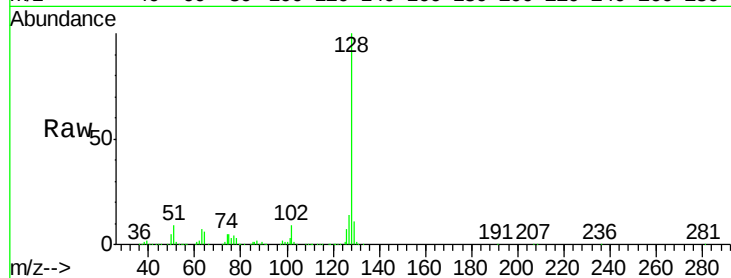
#95
Naphthalene
Concen: 184.598 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
128	100	926735		
127	13.5		10.7	16.1
129	10.8		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:02:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 162.787 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW012714.D
Acq: 07 Sep 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	387455		
182	96.2		47.8	143.3
145	32.1		15.4	46.2

