

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082319\
 Data File : VW012128.D
 Acq On : 23 Aug 2019 11:29
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

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

Quant Time: Aug 26 07:16:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:02:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	256006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	401653	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	351361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164081	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	284415	93.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	186.92%	
35) Dibromofluoromethane	7.88	113	228491	95.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	190.60%	
50) Toluene-d8	10.32	98	942605	96.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	193.94%	
62) 4-Bromofluorobenzene	12.62	95	328081	95.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	191.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	151156	95.891	ug/l	98
3) Chloromethane	2.21	50	218238	89.362	ug/l	99
4) Vinyl Chloride	2.36	62	273443	91.479	ug/l	98
5) Bromomethane	2.76	94	138783	91.677	ug/l	96
6) Chloroethane	2.92	64	156124	92.588	ug/l	96
7) Trichlorofluoromethane	3.25	101	147413	98.214	ug/l	98
8) Diethyl Ether	3.68	74	132946	93.317	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	234061	91.743	ug/l	100
10) Methyl Iodide	4.28	142	324307	93.949	ug/l	99
11) Tert butyl alcohol	5.18	59	88243	475.994	ug/l	98
12) 1,1-Dichloroethene	4.04	96	239917	93.431	ug/l	98
13) Acrolein	3.89	56	85140	493.861	ug/l	99
14) Allyl chloride	4.67	41	523664	95.390	ug/l	99
15) Acrylonitrile	5.37	53	335794	475.526	ug/l	98
16) Acetone	4.12	43	406162	522.108	ug/l	100
17) Carbon Disulfide	4.39	76	759109	97.816	ug/l	99
18) Methyl Acetate	4.67	43	177927	92.344	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	383994	92.470	ug/l	100
20) Methylene Chloride	4.92	84	253131	86.073	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	259610	94.279	ug/l	99
22) Diisopropyl ether	6.31	45	939496	92.328	ug/l	96
23) Vinyl Acetate	6.25	43	3048193	486.755	ug/l	100
24) 1,1-Dichloroethane	6.21	63	511097	92.248	ug/l	99
25) 2-Butanone	7.17	43	530606	501.938	ug/l	100
26) 2,2-Dichloropropane	7.17	77	283834	90.509	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	275071	93.497	ug/l	99
28) Bromochloromethane	7.51	49	214979	89.025	ug/l	99
29) Tetrahydrofuran	7.53	42	313230	493.879	ug/l	100
30) Chloroform	7.67	83	459353	90.621	ug/l	100
31) Cyclohexane	7.95	56	477665	87.140	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	371754	92.708	ug/l	99
36) 1,1-Dichloropropene	8.08	75	392034	94.452	ug/l	100
37) Ethyl Acetate	7.25	43	215005	94.529	ug/l	99
38) Carbon Tetrachloride	8.07	117	344205	95.813	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	446137	95.678	ug/l	100
40) Benzene	8.32	78	1063006	93.793	ug/l	99
41) Methacrylonitrile	7.48	41	130894	97.917	ug/l	97
42) 1,2-Dichloroethane	8.40	62	330777	93.123	ug/l	100
43) Isopropyl Acetate	8.42	43	414487	98.382	ug/l	100
44) Trichloroethene	9.09	130	259695	94.258	ug/l	96
45) 1,2-Dichloropropane	9.37	63	285839	93.711	ug/l	99
46) Dibromomethane	9.46	93	129193	95.196	ug/l	98
47) Bromodichloromethane	9.65	83	347440	96.193	ug/l	96
48) Methyl methacrylate	9.43	41	200952	100.216	ug/l	99
49) 1,4-Dioxane	9.45	88	42599	2050.391	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1056190	492.882	ug/l	100
52) Toluene	10.39	92	645099	94.748	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	367833	99.978	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	437414	98.464	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	180166	93.829	ug/l	99
56) Ethyl methacrylate	10.65	69	281513	100.734	ug/l	99
57) 1,3-Dichloropropane	10.93	76	346088	95.378	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	801363	558.730	ug/l	100
59) 2-Hexanone	10.97	43	780634	514.852	ug/l	99
60) Dibromochloromethane	11.13	129	207356	96.953	ug/l	98
61) 1,2-Dibromoethane	11.24	107	174077	97.311	ug/l	99
64) Tetrachloroethene	10.86	164	214410	94.123	ug/l	99
65) Chlorobenzene	11.66	112	639457	92.426	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	230798	95.623	ug/l	100
67) Ethyl Benzene	11.73	91	1266544	95.032	ug/l	98
68) m/p-Xylenes	11.84	106	903031	188.103	ug/l	99
69) o-Xylene	12.16	106	421446	94.851	ug/l	100
70) Styrene	12.18	104	735411	95.622	ug/l	100
71) Bromoform	12.35	173	118180	98.276	ug/l #	99
73) Isopropylbenzene	12.46	105	1183407	96.252	ug/l	99
74) N-amyl acetate	12.27	43	374860	100.915	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	214017	94.950	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	150479m	95.180	ug/l	
77) Bromobenzene	12.75	156	253446	95.286	ug/l	99
78) n-propylbenzene	12.80	91	1436135	95.682	ug/l	99
79) 2-Chlorotoluene	12.89	91	800260	93.910	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	980459	95.435	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	76497	104.956	ug/l	97
82) 4-Chlorotoluene	12.99	91	832011	93.247	ug/l	99
83) tert-Butylbenzene	13.21	119	835663	96.025	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	980637	95.023	ug/l	100
85) sec-Butylbenzene	13.38	105	1177733	94.461	ug/l	100
86) p-Isopropyltoluene	13.50	119	1055262	94.773	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	486914	93.591	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	479070	92.739	ug/l	100
89) n-Butylbenzene	13.82	91	1059345	95.672	ug/l	99
90) Hexachloroethane	14.09	117	191264	97.907	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	430366	94.295	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	36442	95.903	ug/l	98

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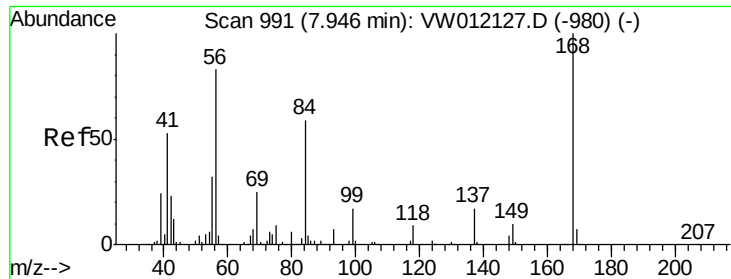
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	304653	96.592	ug/l	99
94) Hexachlorobutadiene	15.24	225	193853	93.083	ug/l	97
95) Naphthalene	15.37	128	583395	105.631	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	272047	98.862	ug/l	100

(#) = 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: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 256006

Ion Ratio Lower Upper

168 100

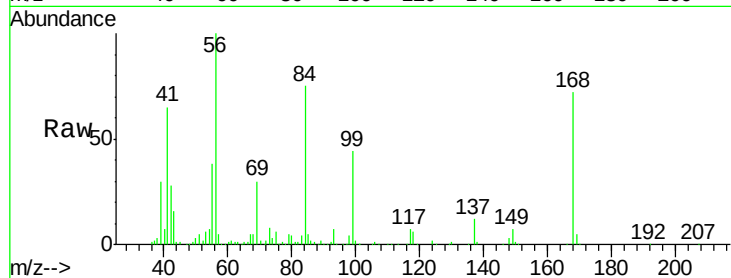
99 60.3 49.2 73.8

Manual Integrations

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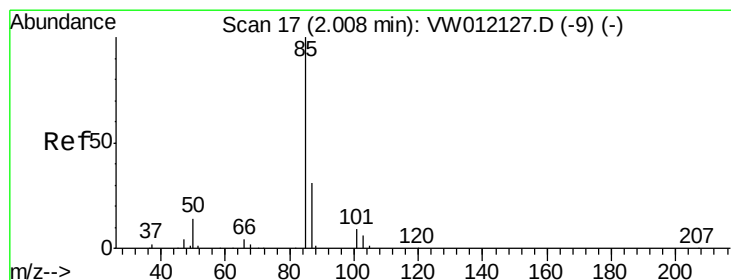
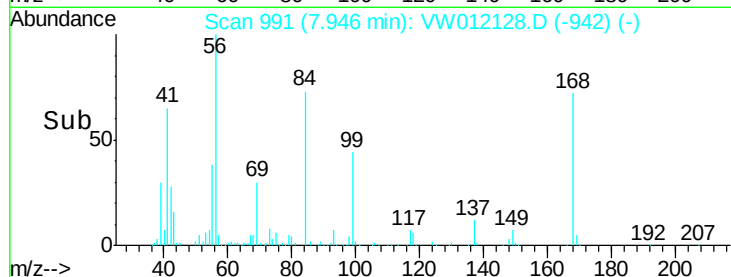
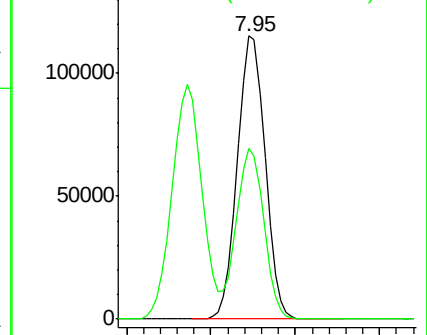
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 95.891 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012128.D

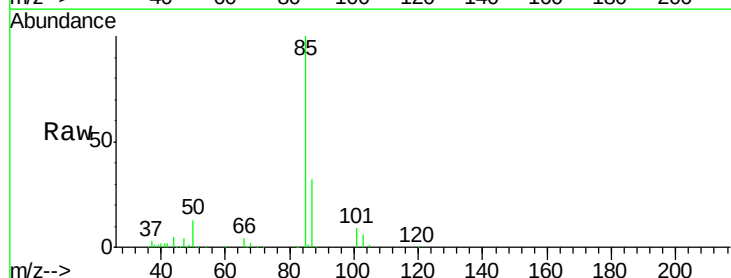
Acq: 23 Aug 2019 11:29

Tgt Ion: 85 Resp: 151156

Ion Ratio Lower Upper

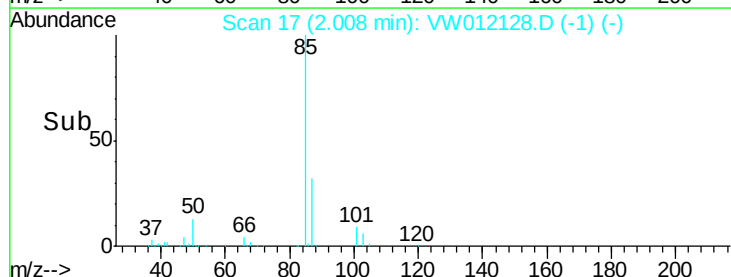
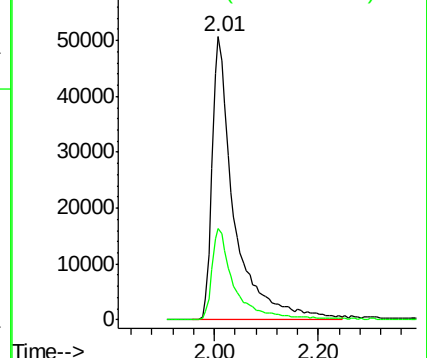
85 100

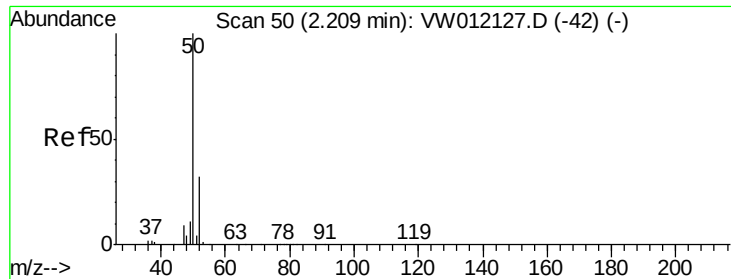
87 32.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 89.362 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 218238

Ion Ratio Lower Upper

50 100

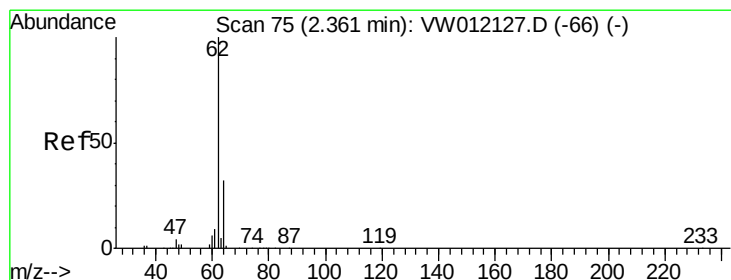
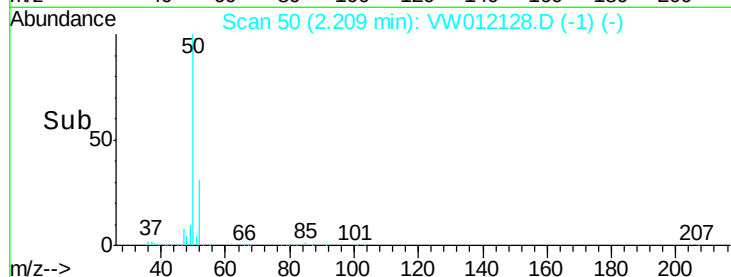
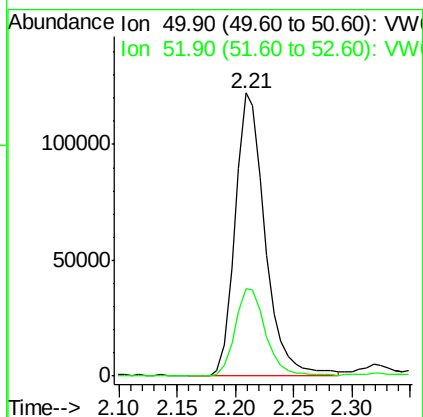
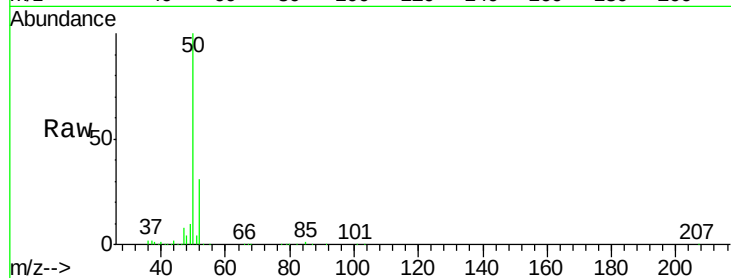
52 31.1 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 91.479 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012128.D

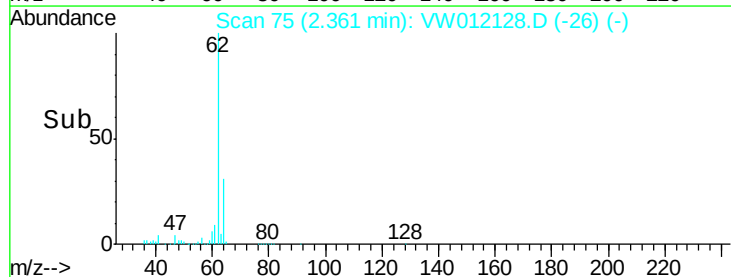
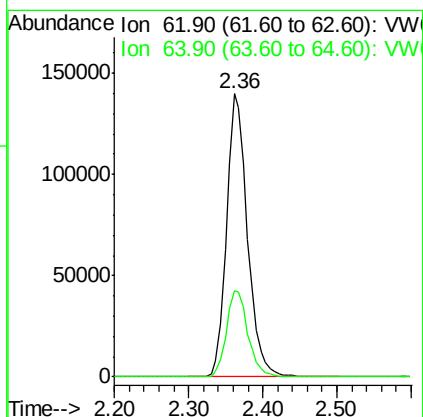
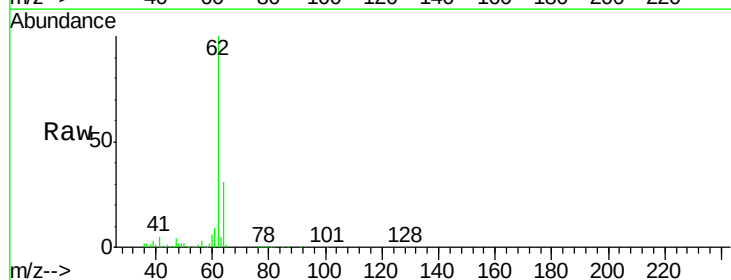
Acq: 23 Aug 2019 11:29

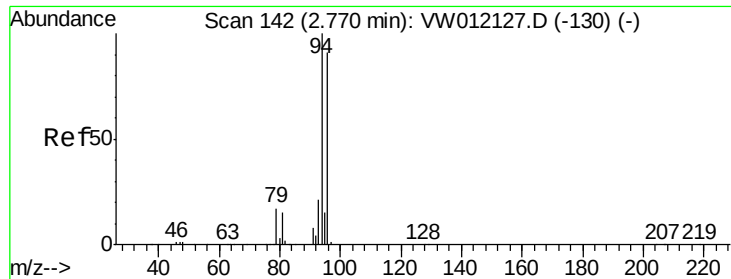
Tgt Ion: 62 Resp: 273443

Ion Ratio Lower Upper

62 100

64 30.5 25.3 37.9





#5

Bromomethane

Concen: 91.677 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 138783

Ion Ratio Lower Upper

94 100

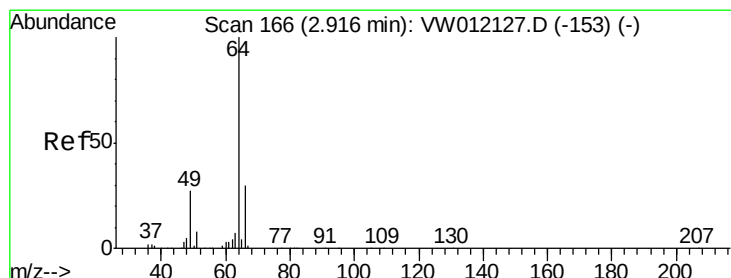
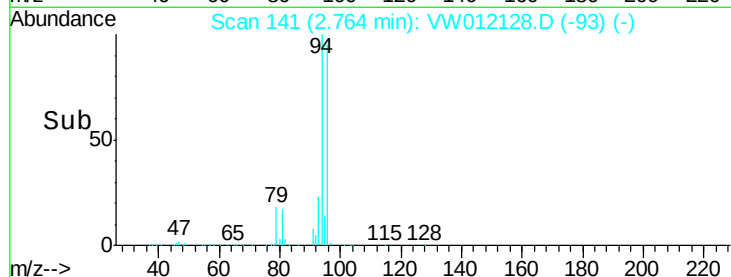
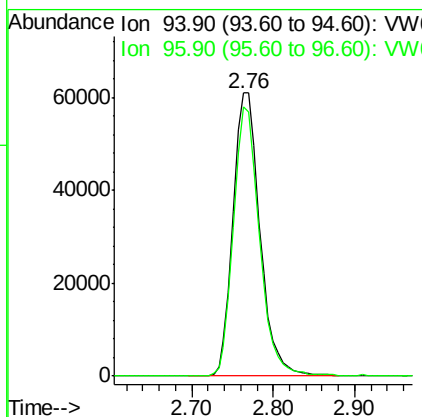
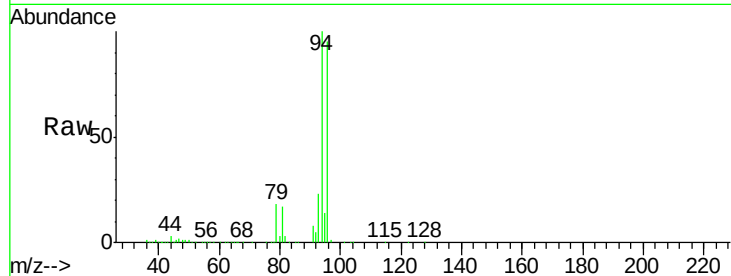
96 94.9 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 92.588 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012128.D

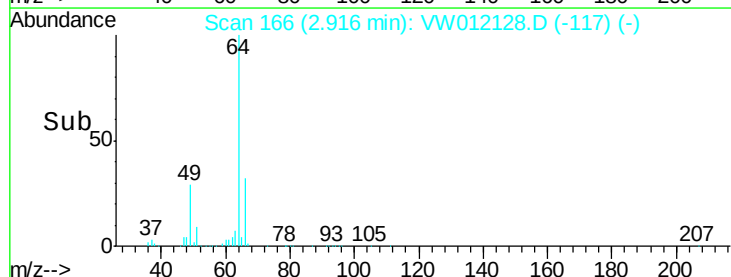
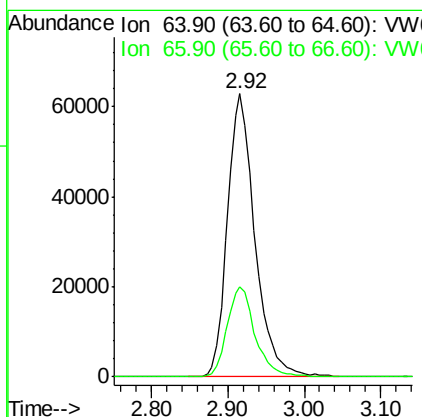
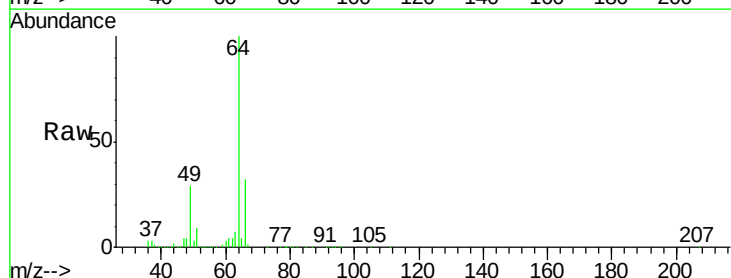
Acq: 23 Aug 2019 11:29

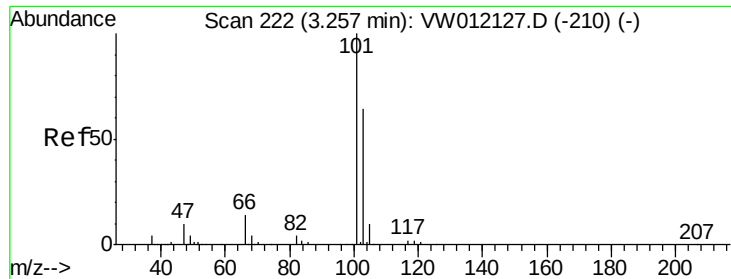
Tgt Ion: 64 Resp: 156124

Ion Ratio Lower Upper

64 100

66 31.9 23.8 35.8





#7

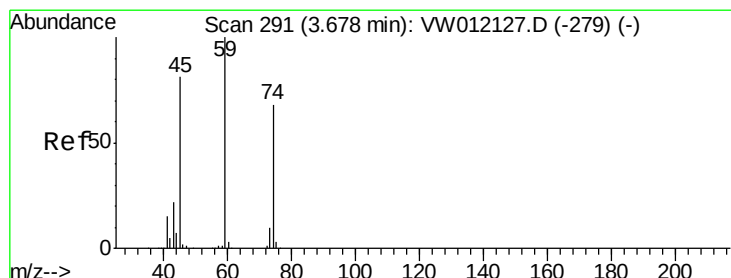
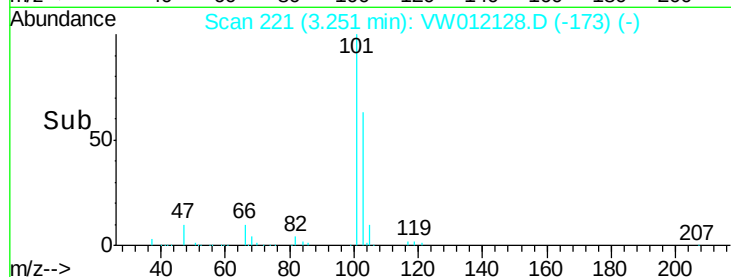
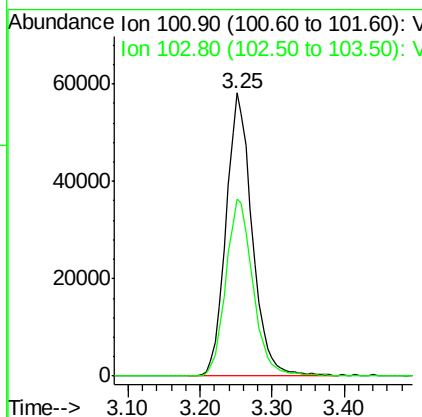
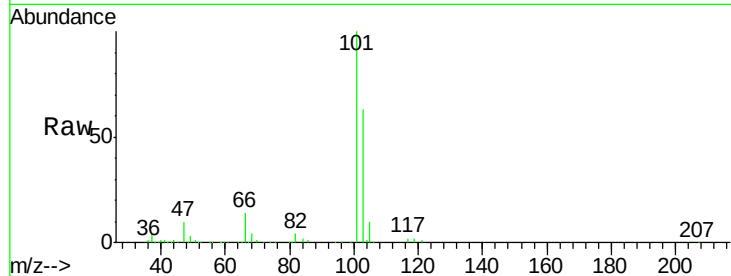
Trichlorofluoromethane
Concen: 98.214 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

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VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	147413		
103	62.7	51.2	76.8	

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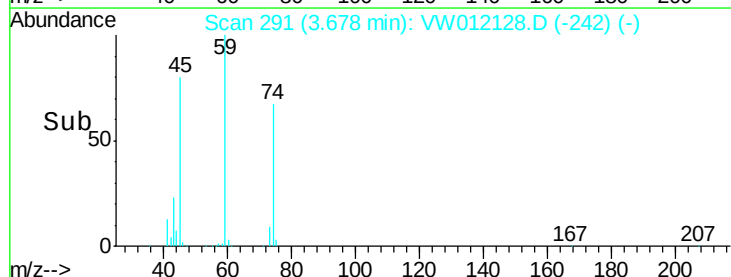
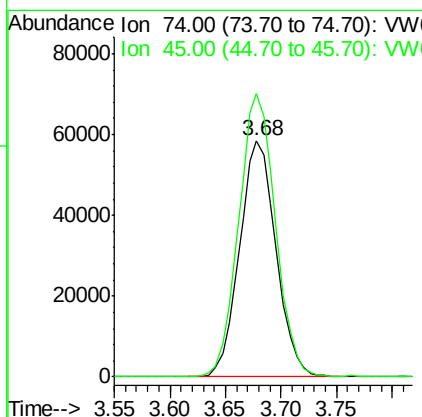
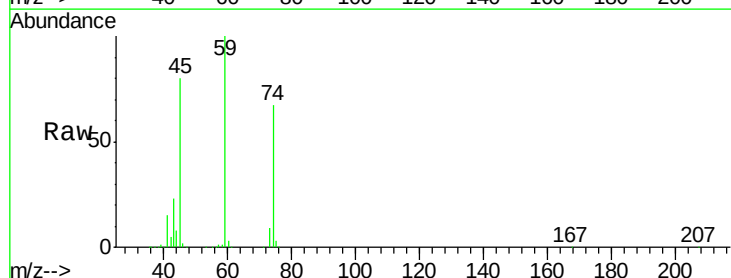
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8/26/2019 11:39:11 AM

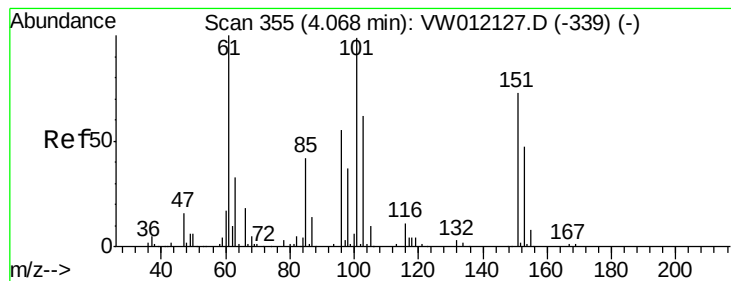


#8

Diethyl Ether
Concen: 93.317 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	132946		
45	120.4	59.2	177.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.743 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

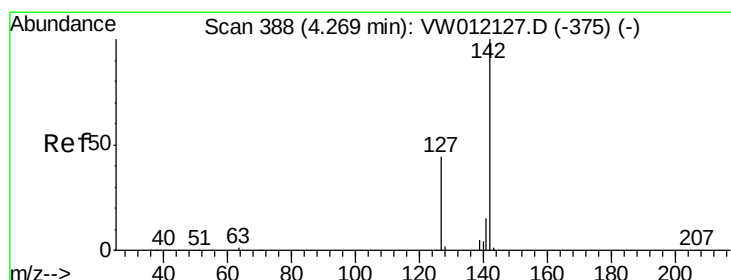
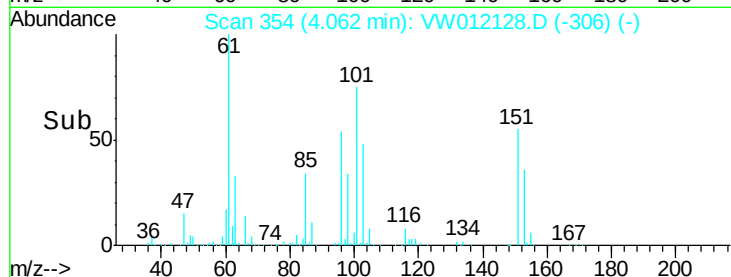
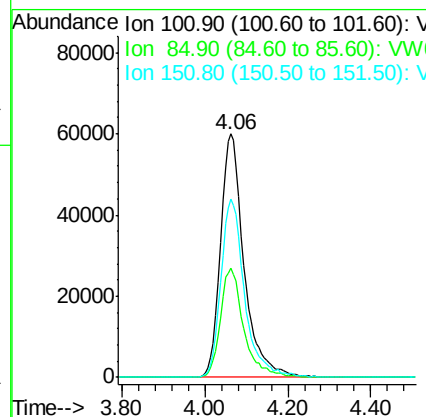
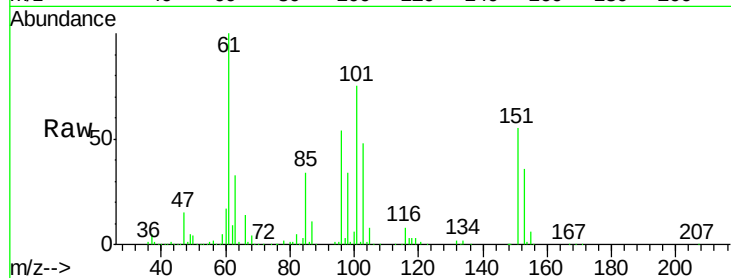
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	234061
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.8	53.6
151	73.7	58.6	87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 93.949 ug/l

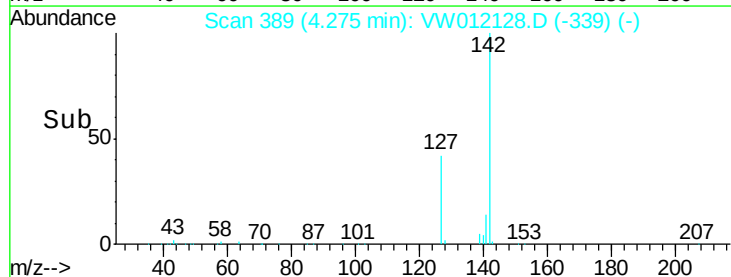
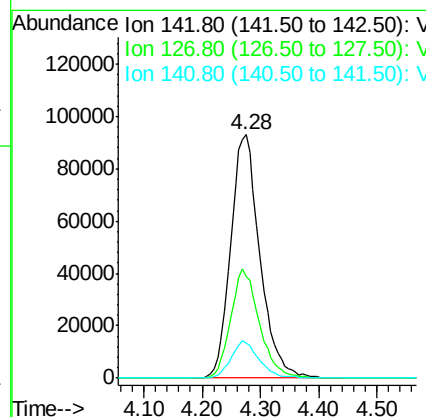
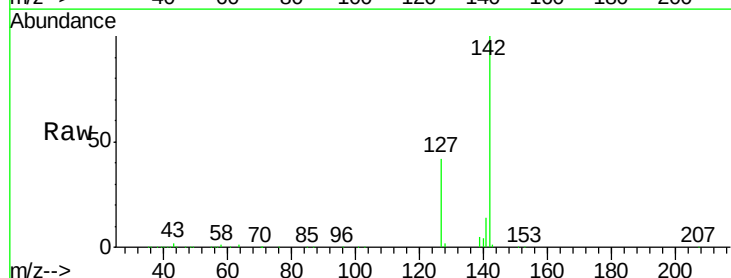
RT: 4.28 min Scan# 389

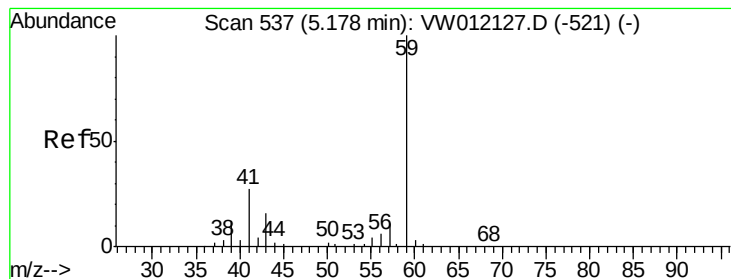
Delta R.T. 0.01 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Tgt Ion:	142	Resp:	324307
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.5	53.3
141	14.7	11.8	17.8





#11

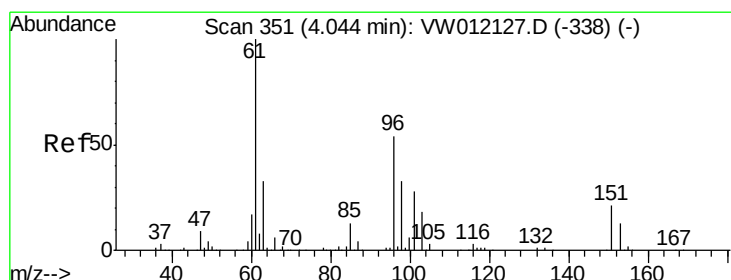
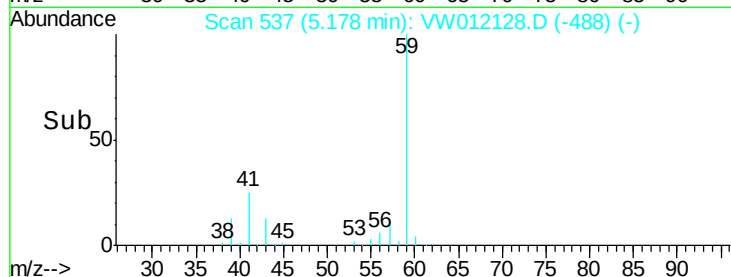
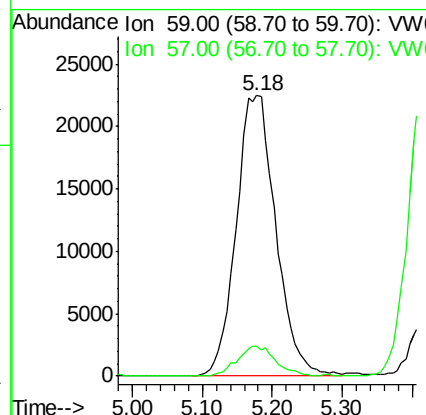
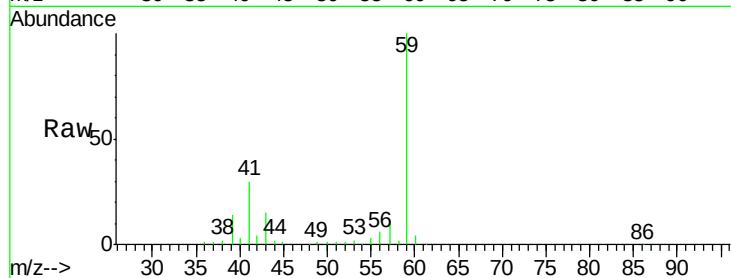
Tert butyl alcohol
Concen: 475.994 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	9.0	13.4

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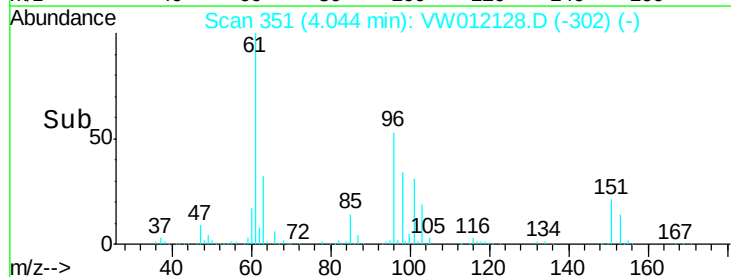
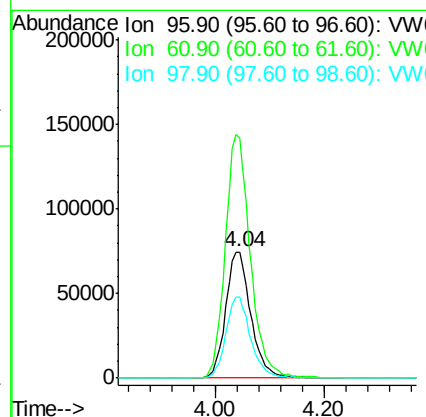
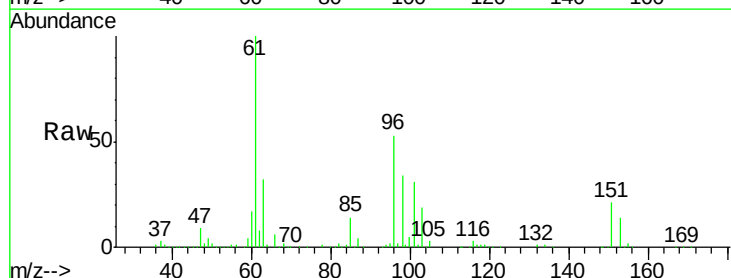
MMDadoda
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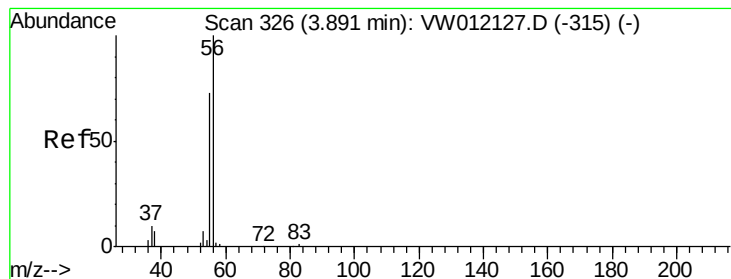


#12

1,1-Dichloroethene
Concen: 93.431 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.1	149.1	223.7
98	63.6	49.4	74.2





#13

Acrolein

Concen: 493.861 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 85140

Ion Ratio Lower Upper

56 100

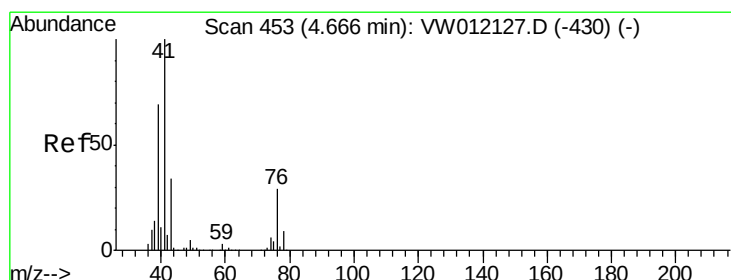
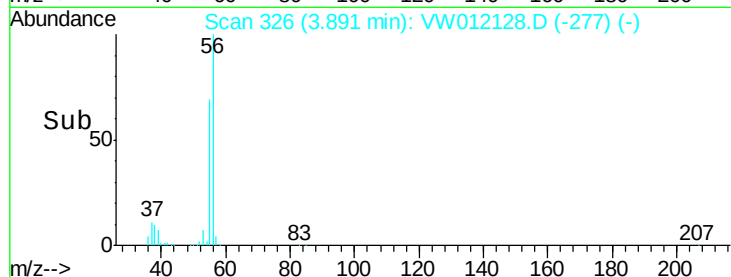
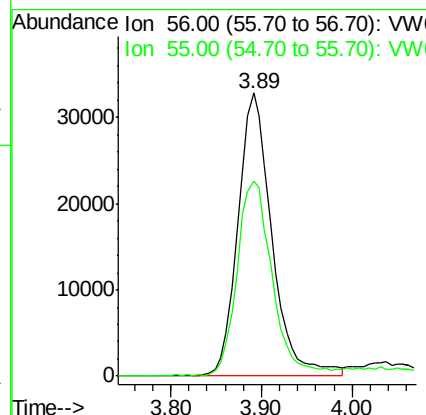
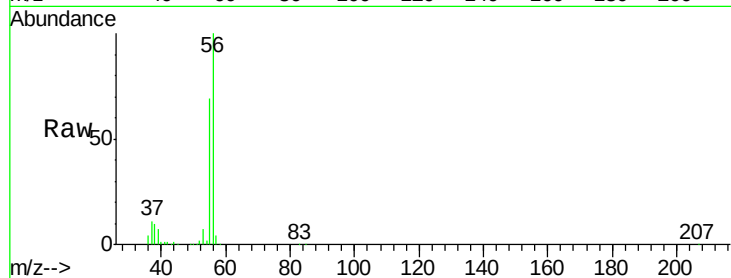
55 70.8 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 95.390 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

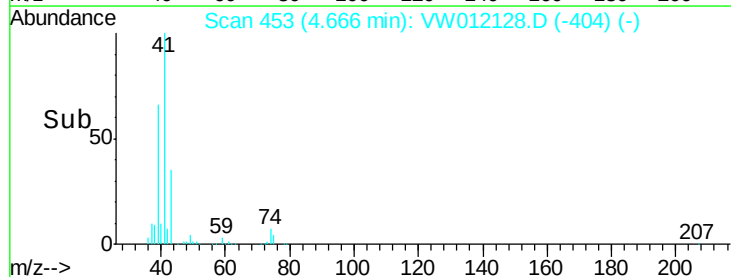
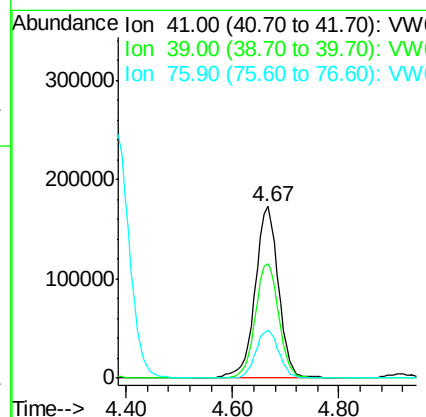
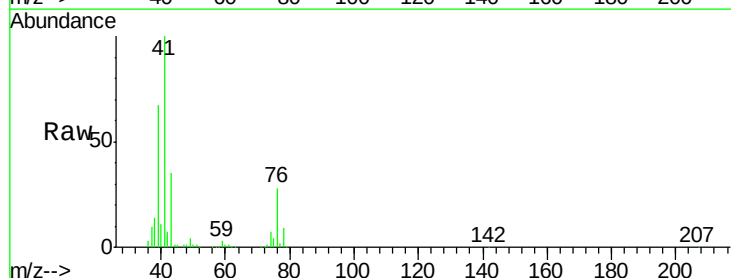
Tgt Ion: 41 Resp: 523664

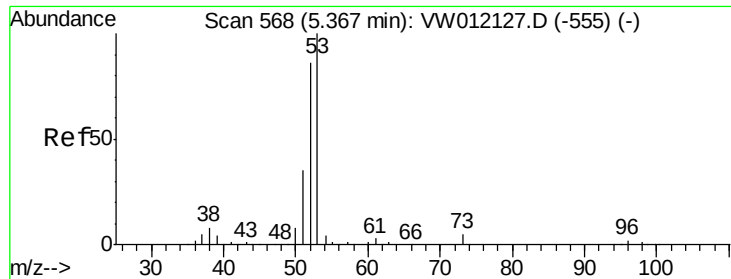
Ion Ratio Lower Upper

41 100

39 66.1 53.4 80.2

76 27.2 22.1 33.1





#15

Acrylonitrile

Concen: 475.526 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

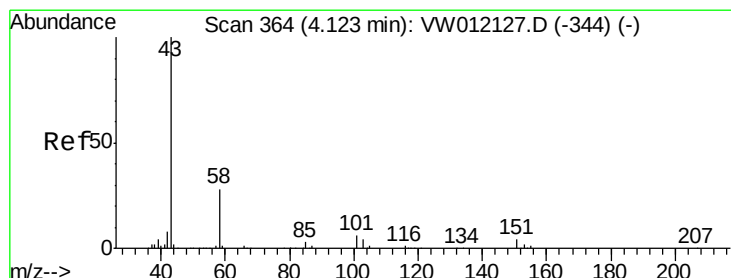
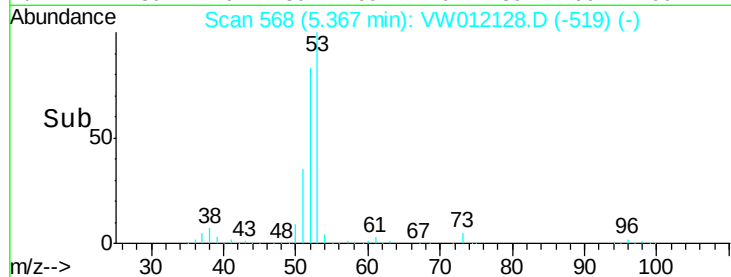
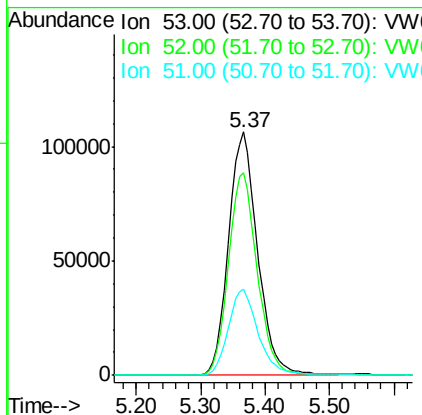
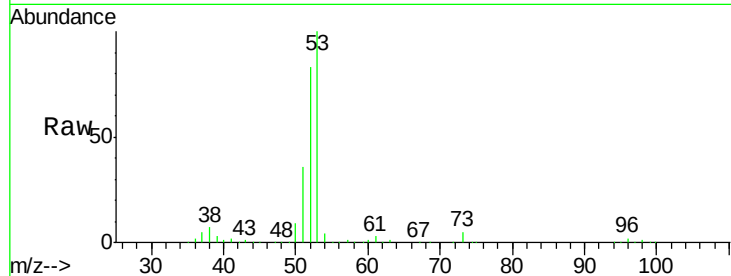
ClientSampleId :

VSTDICC100

Tot Ion:	53	Resp:	335794
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.7	100.1
51	36.4	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 522.108 ug/l

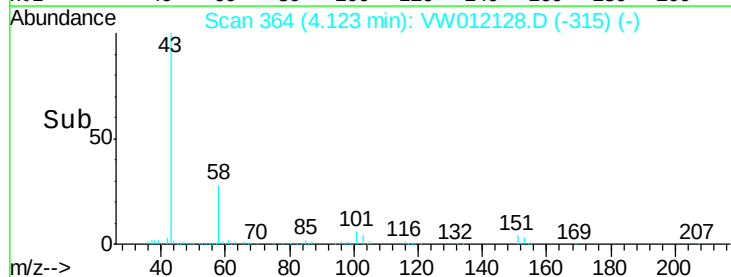
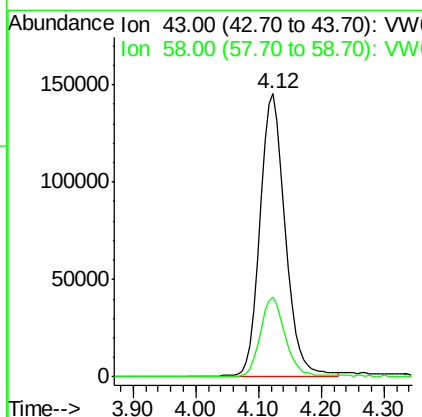
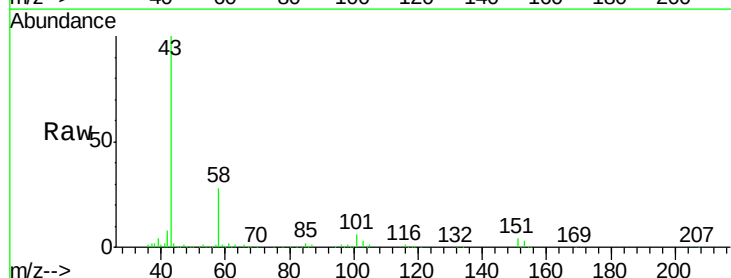
RT: 4.12 min Scan# 364

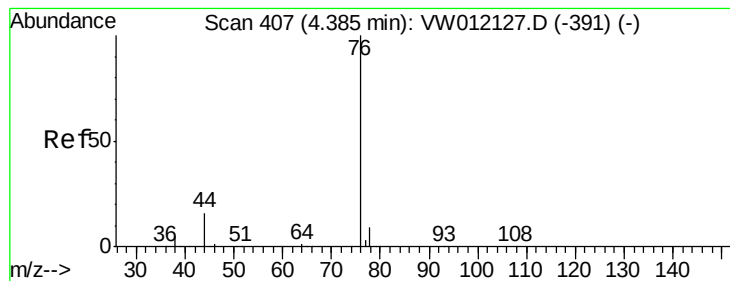
Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Tgt Ion:	43	Resp:	406162
Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.4	33.6





#17

Carbon Disulfide

Concen: 97.816 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 759109

Ion Ratio Lower Upper

76 100

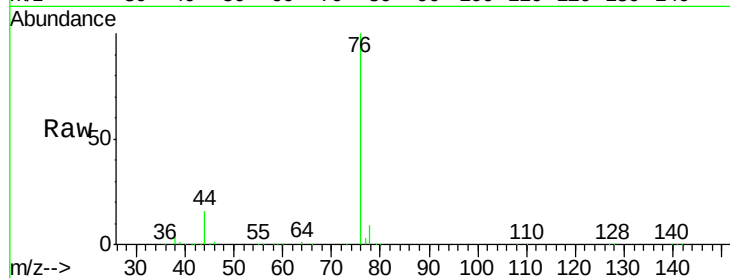
78 8.9 7.3 10.9

Manual Integrations

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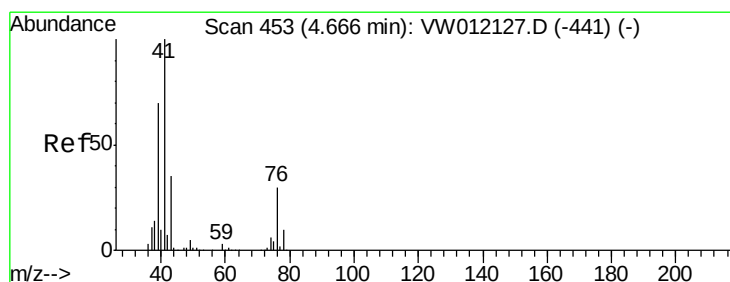
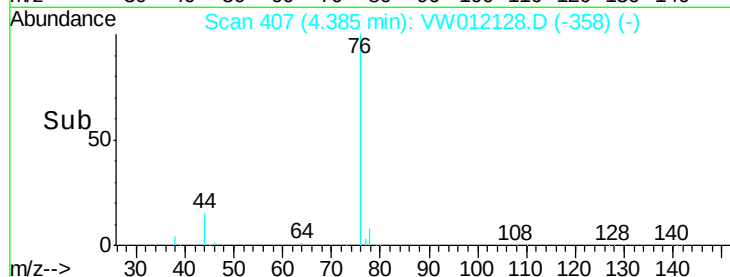
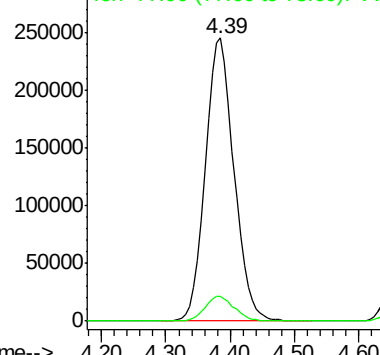
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 92.344 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012128.D

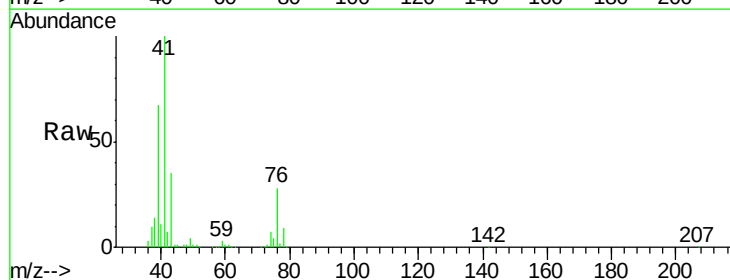
Acq: 23 Aug 2019 11:29

Tgt Ion: 43 Resp: 177927

Ion Ratio Lower Upper

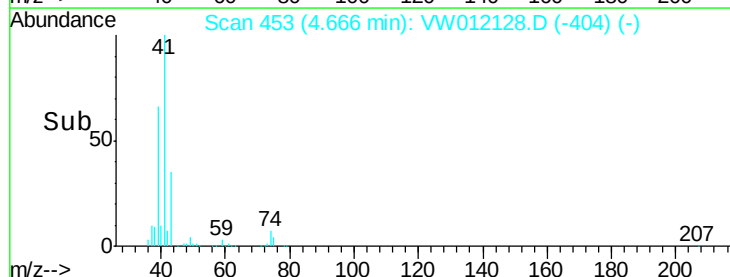
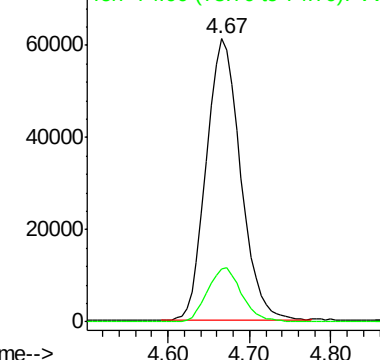
43 100

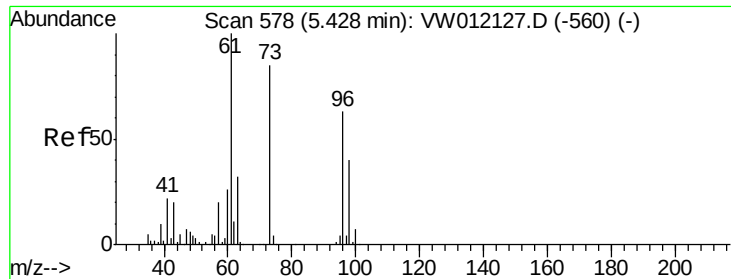
74 19.2 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





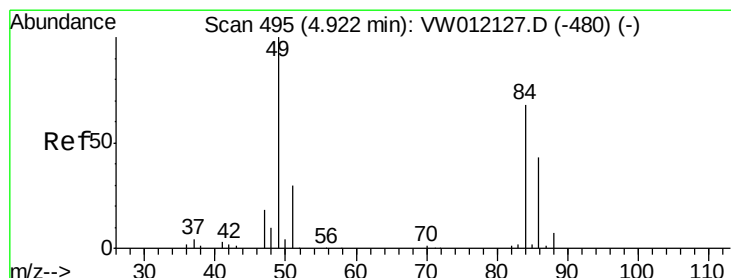
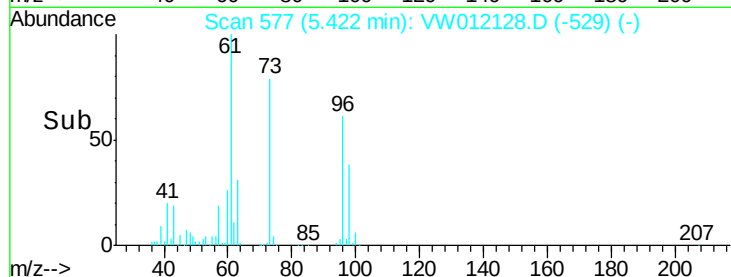
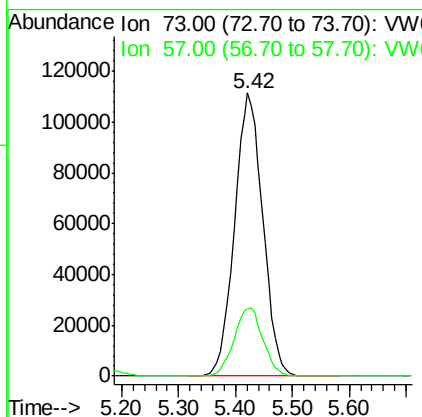
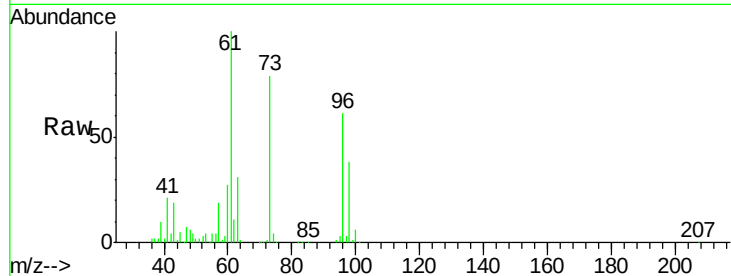
#19
Methyl tert-butyl Ether
Concen: 92.470 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.8	18.9	28.3

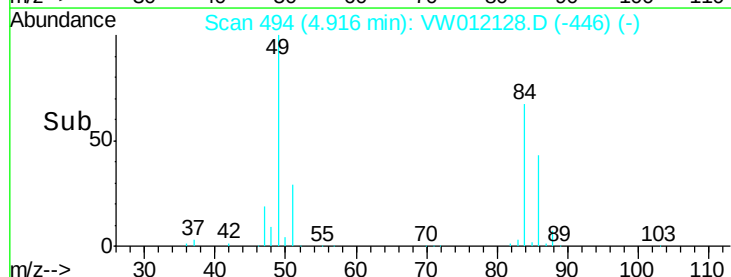
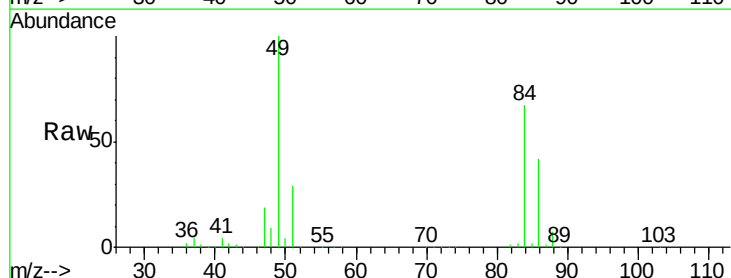
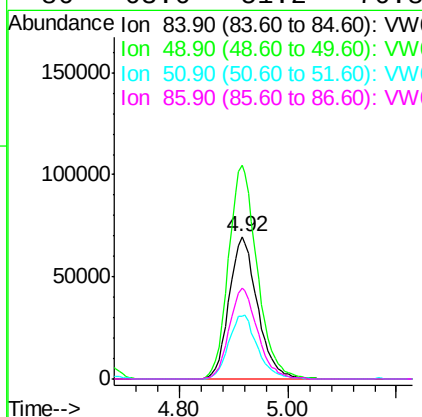
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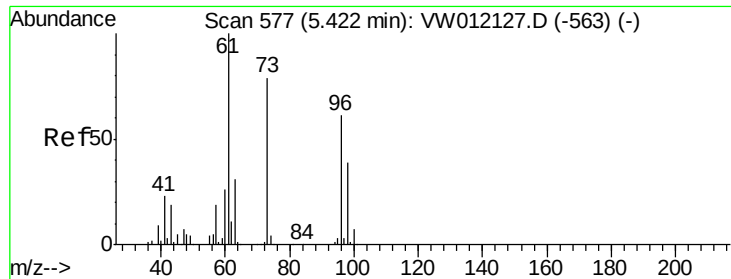
MMDadoda
8/26/2019 11:39:11 AM



#20
Methylene Chloride
Concen: 86.073 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.1	117.8	176.8
51	43.9	35.6	53.4
86	63.6	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 94.279 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

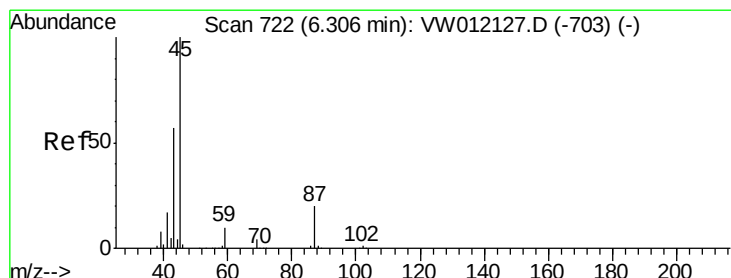
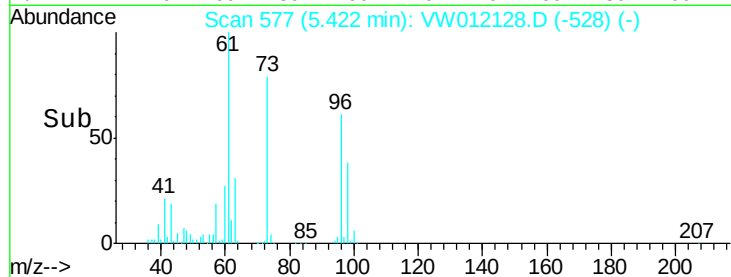
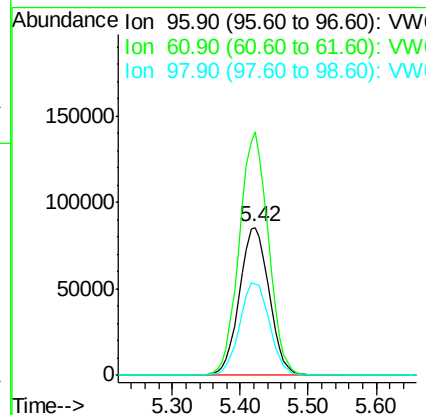
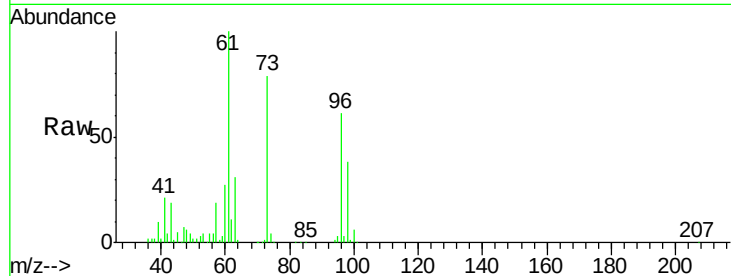
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	259610
Ion	Ratio	Lower	Upper
96	100		
61	164.7	131.4	197.0
98	61.9	51.4	77.0

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#22

Diisopropyl ether

Concen: 92.328 ug/l

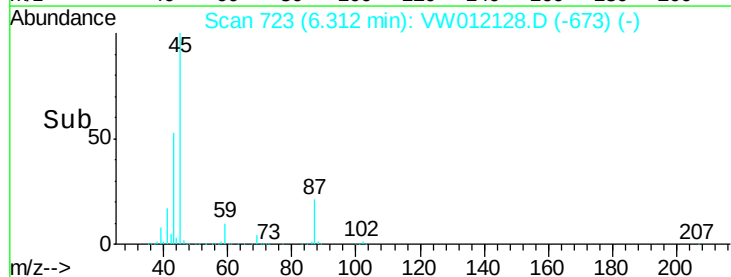
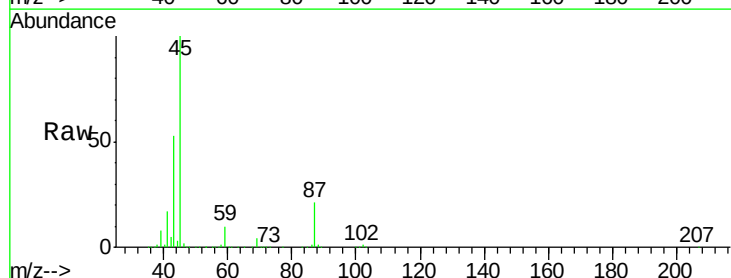
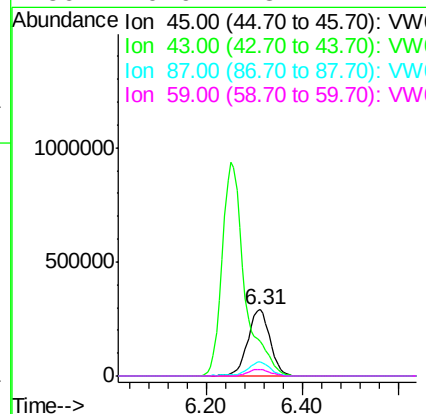
RT: 6.31 min Scan# 723

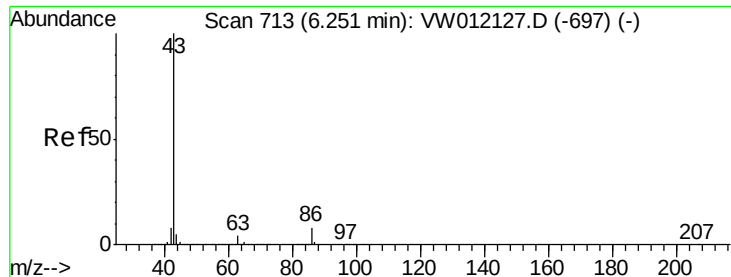
Delta R.T. 0.01 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Tgt Ion:	45	Resp:	939496
Ion	Ratio	Lower	Upper
45	100		
43	53.2	45.5	68.3
87	21.2	16.1	24.1
59	9.9	8.2	12.2





#23

Vinyl Acetate

Concen: 486.755 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3048193

Ion Ratio Lower Upper

43 100

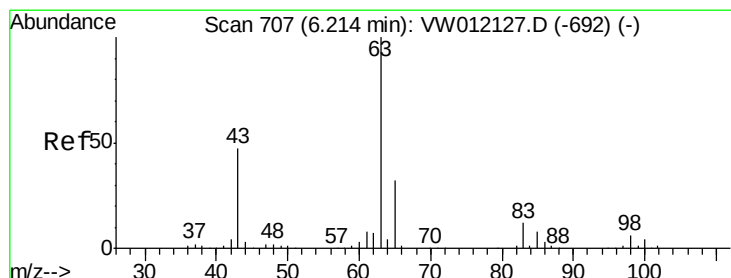
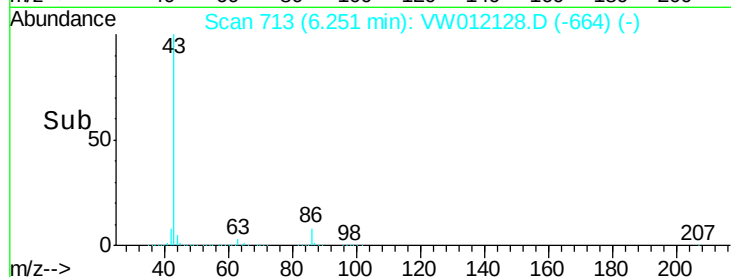
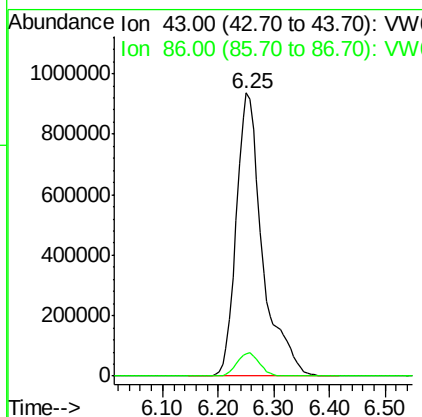
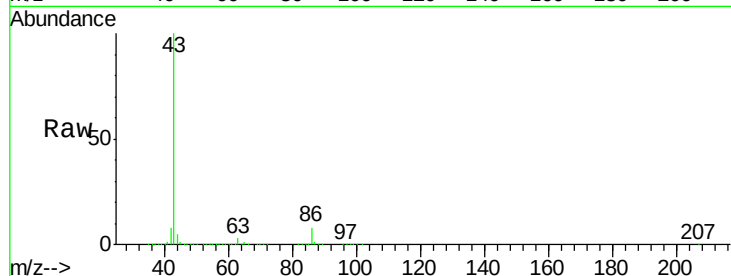
86 8.0 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 92.248 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

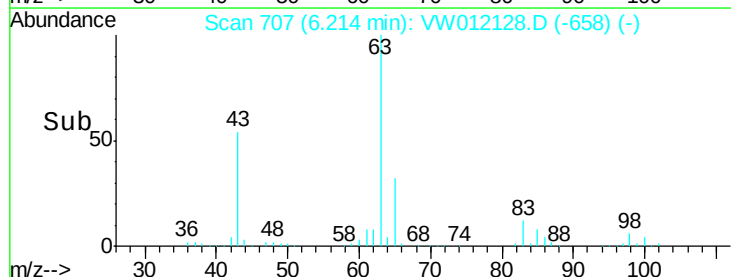
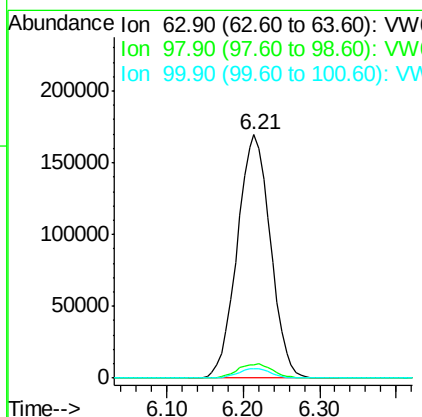
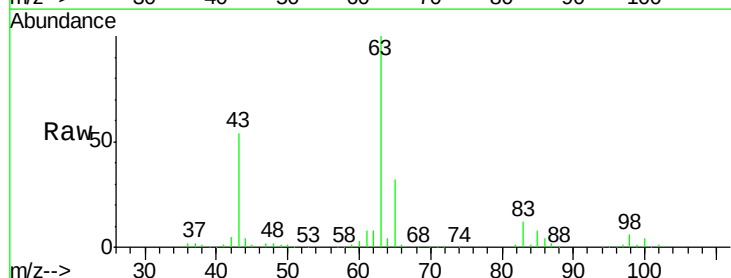
Tgt Ion: 63 Resp: 511097

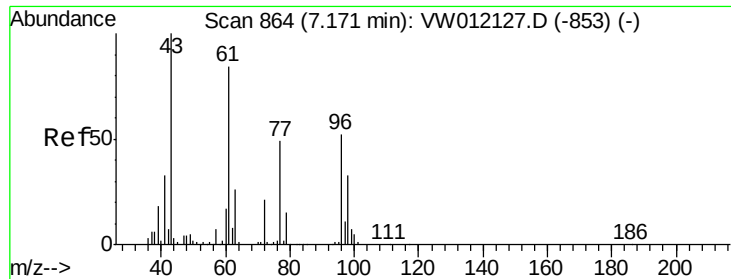
Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 3.8 2.0 6.0





#25

2-Butanone

Concen: 501.938 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 530606

Ion Ratio Lower Upper

43 100

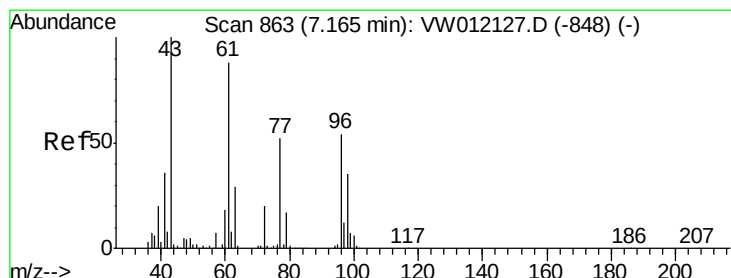
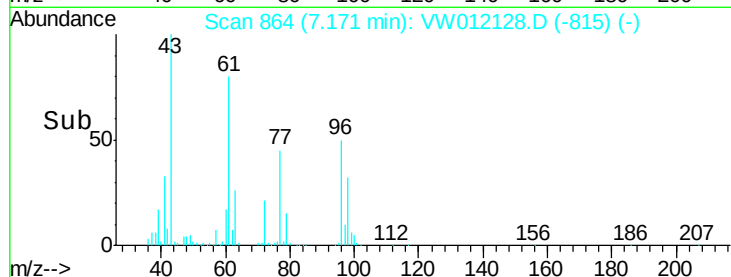
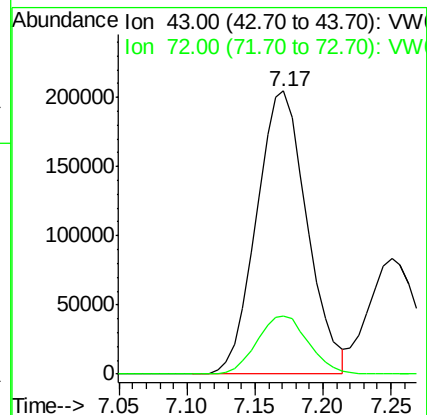
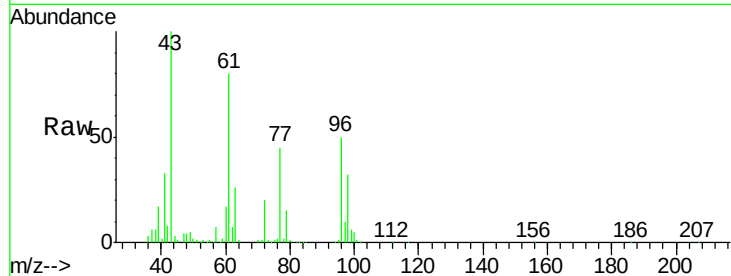
72 20.5 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 90.509 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012128.D

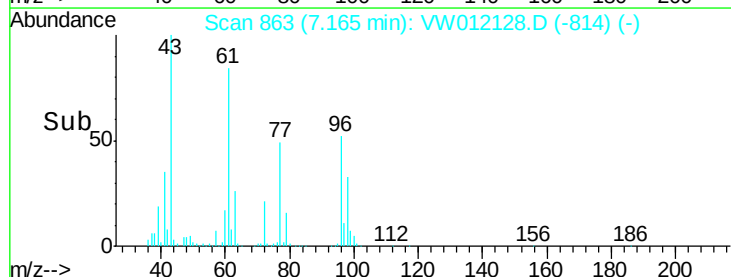
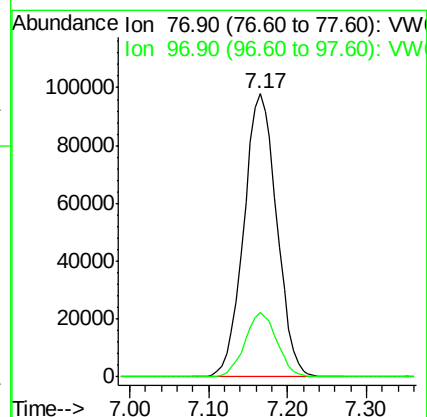
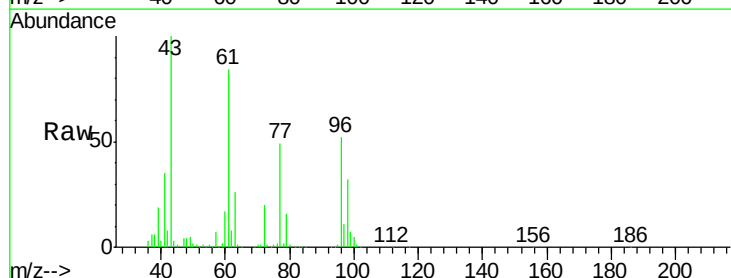
Acq: 23 Aug 2019 11:29

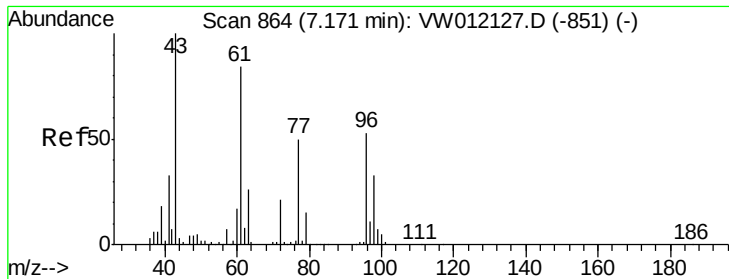
Tgt Ion: 77 Resp: 283834

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.1





#27

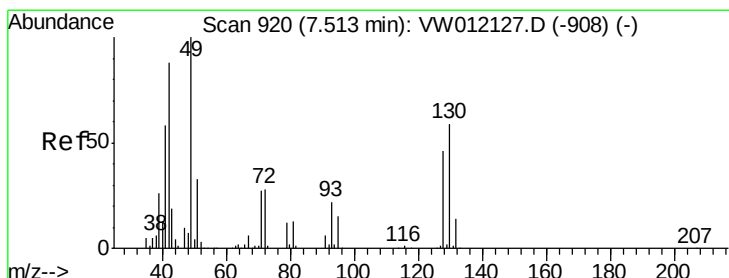
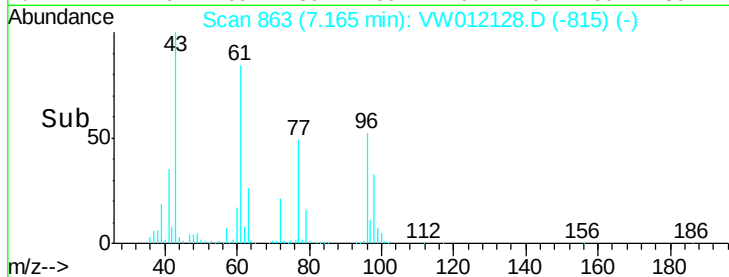
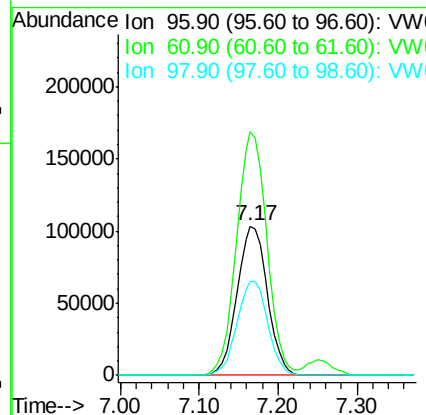
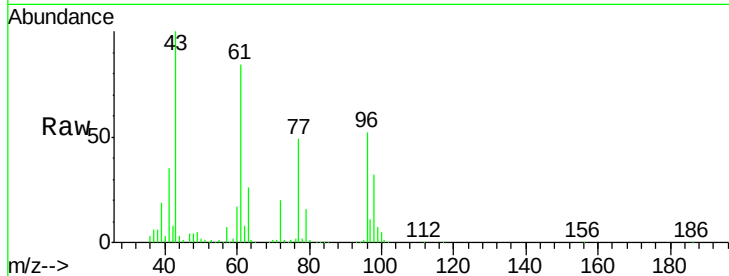
cis-1,2-Dichloroethene
Concen: 93.497 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	275071		
61	164.5	0.0	326.6	
98	64.1	0.0	127.4	

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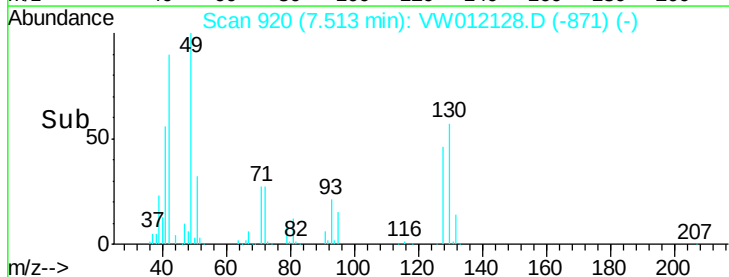
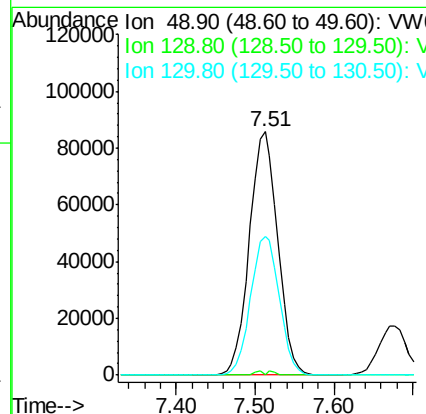
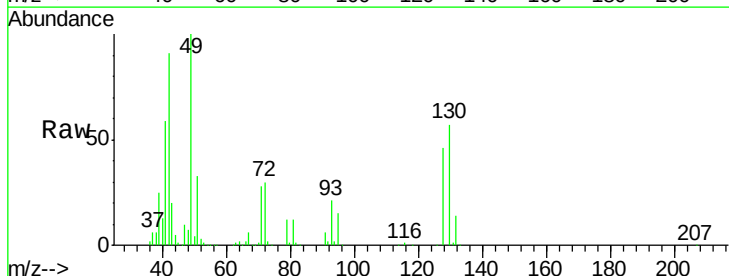
MMDadoda
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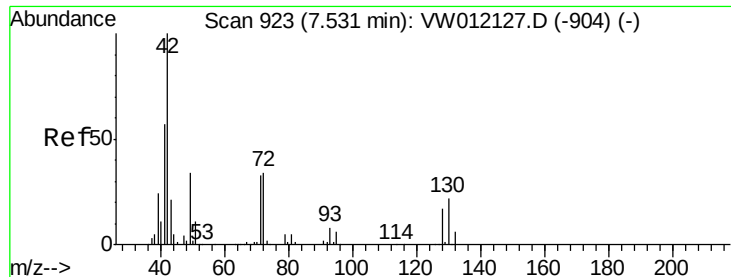


#28

Bromochloromethane
Concen: 89.025 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	214979		
129	0.4	0.0	1.4	
130	57.6	45.5	68.3	





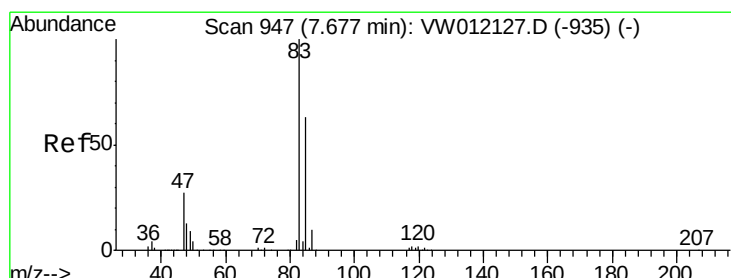
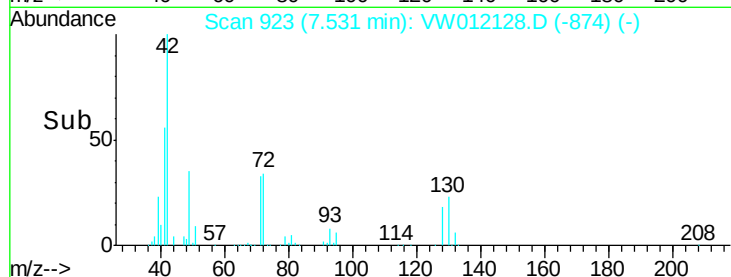
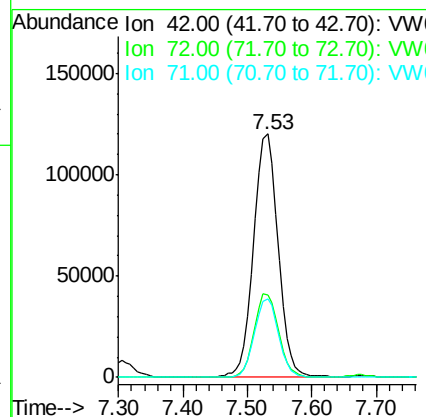
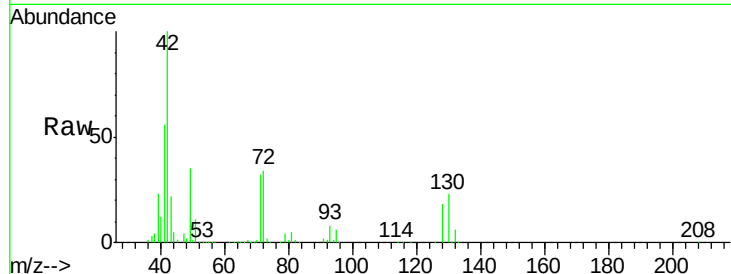
#29
Tetrahydrofuran
Concen: 493.879 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.0	27.3	40.9
71	31.7	25.5	38.3

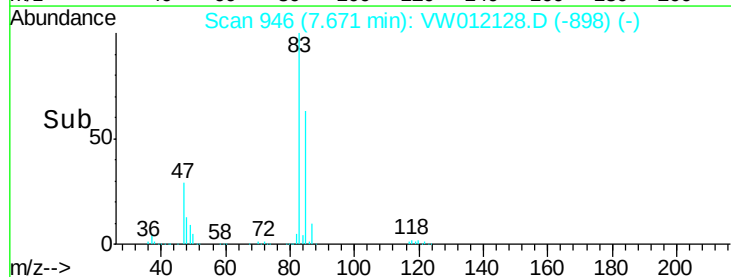
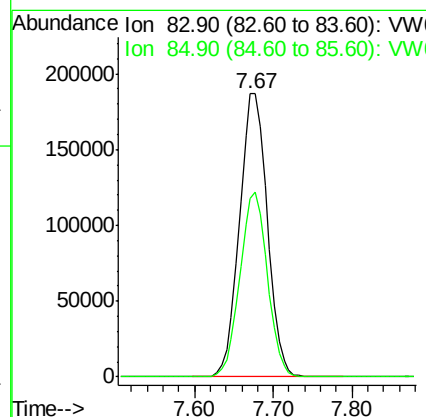
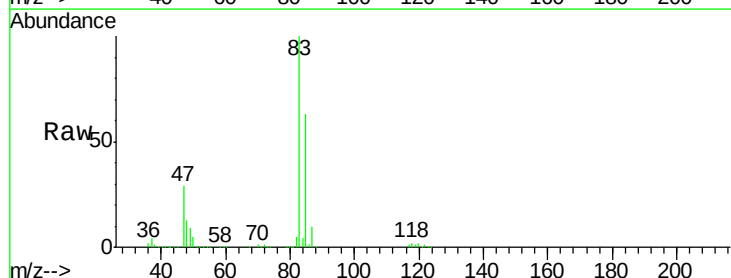
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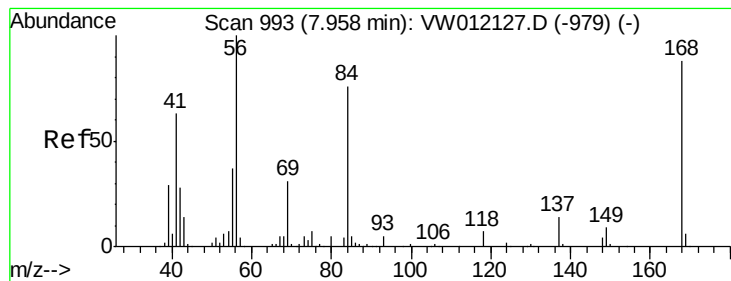
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#30
Chloroform
Concen: 90.621 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.6	76.0





#31

Cyclohexane

Concen: 87.140 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 477665

Ion Ratio Lower Upper

56 100

69 29.9 24.9 37.3

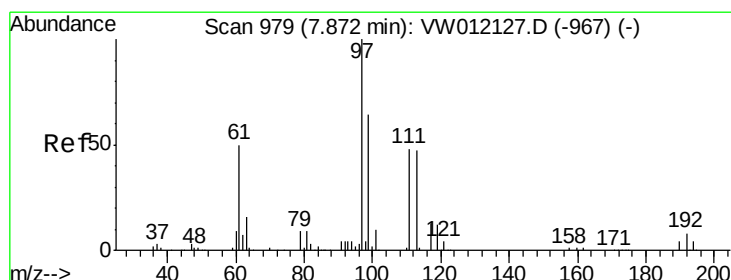
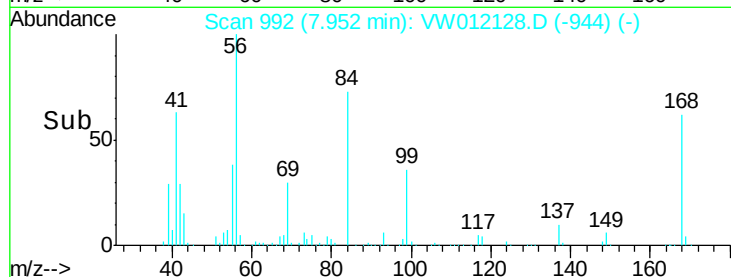
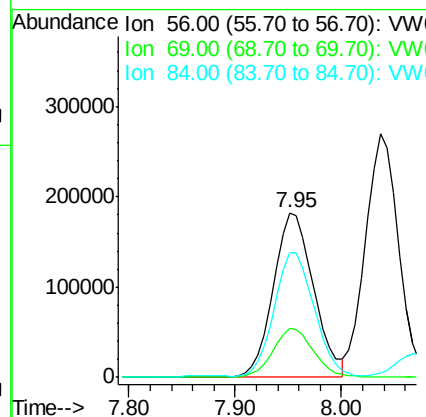
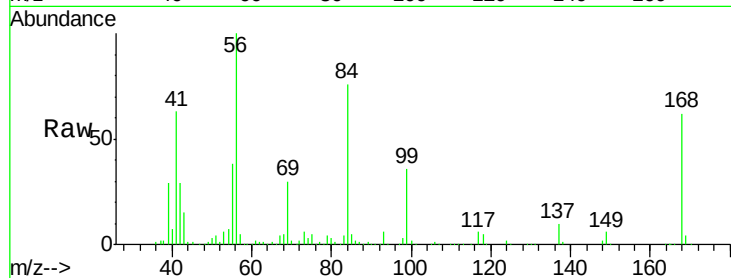
84 74.7 60.6 90.8

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#32

1,1,1-Trichloroethane

Concen: 92.708 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

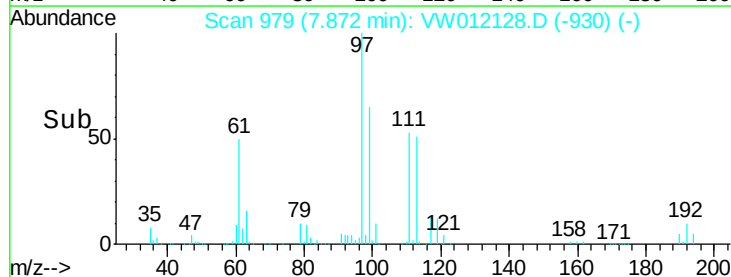
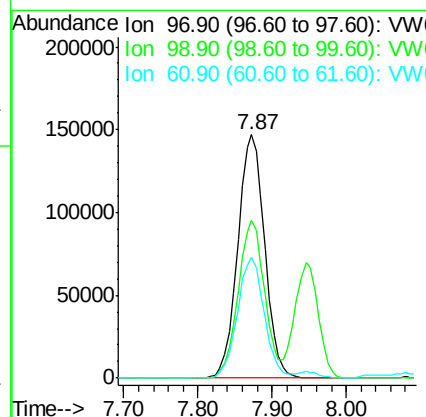
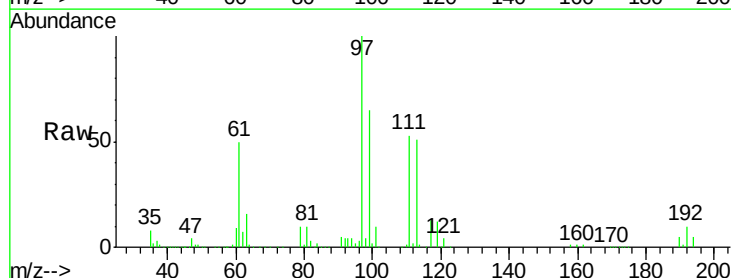
Tgt Ion: 97 Resp: 371754

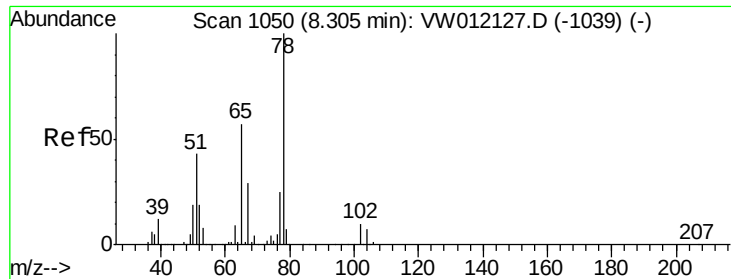
Ion Ratio Lower Upper

97 100

99 63.3 51.4 77.0

61 49.3 39.5 59.3





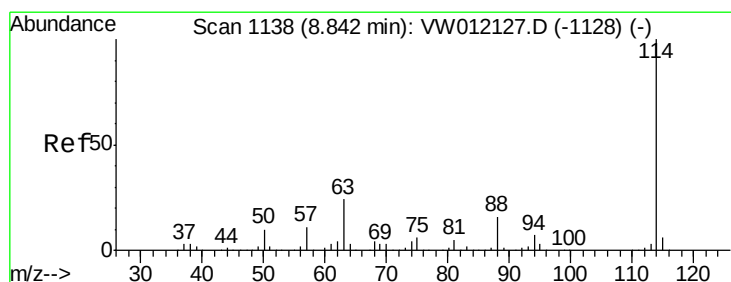
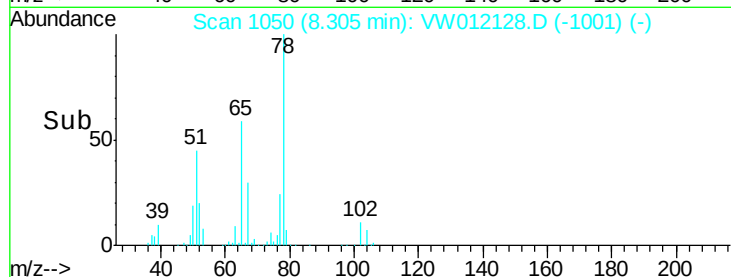
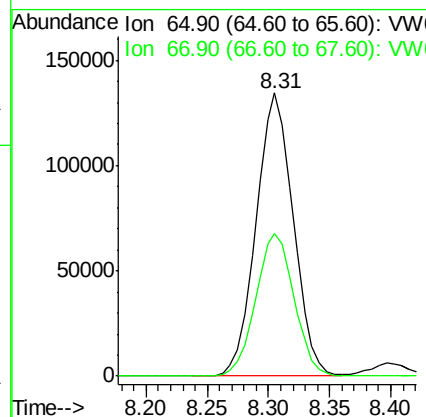
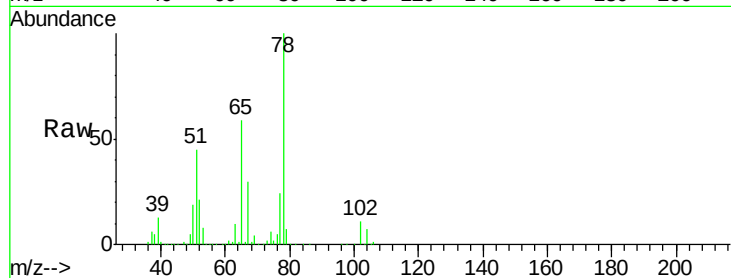
#33
 1,2-Dichloroethane-d4
 Concen: 93.457 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	284415		
67	51.9	0.0	102.6	

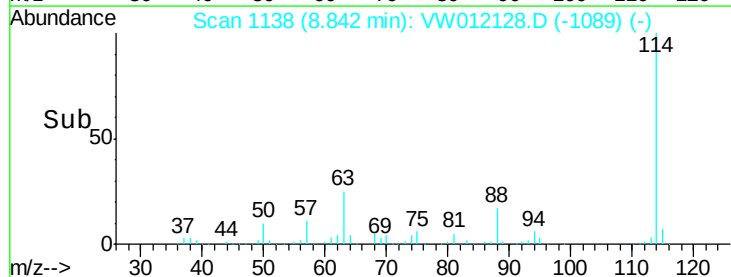
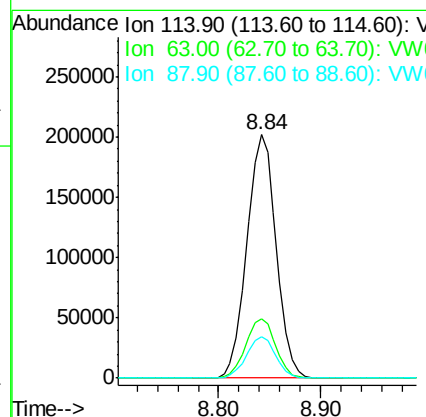
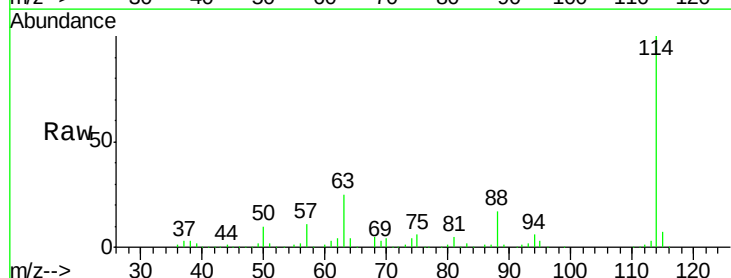
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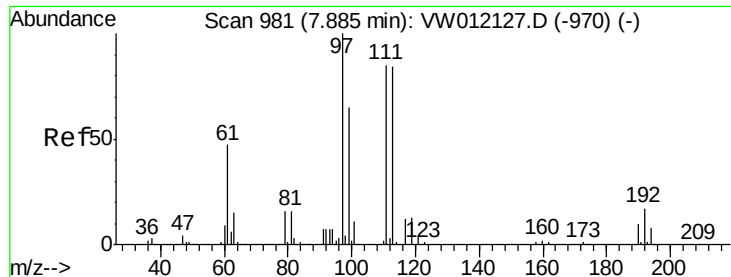
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	401653		
63	24.6	0.0	48.6	
88	17.0	0.0	32.2	





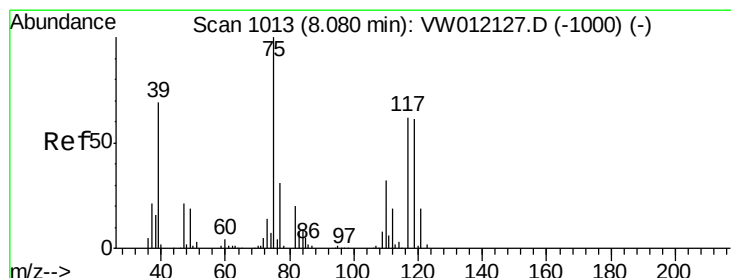
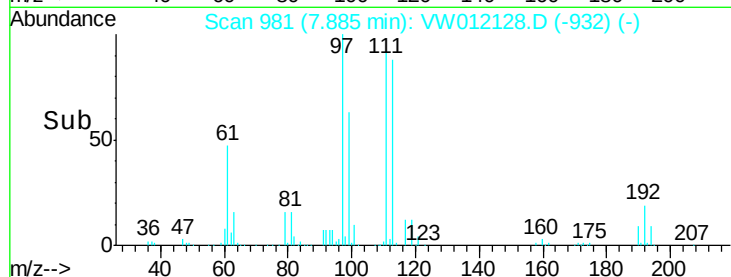
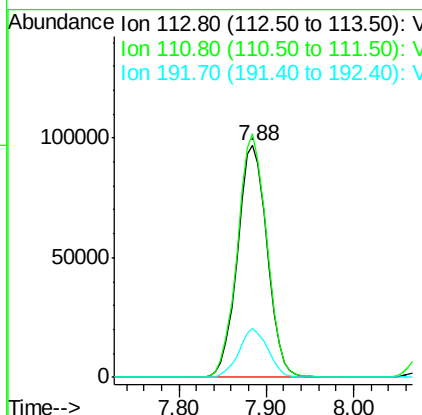
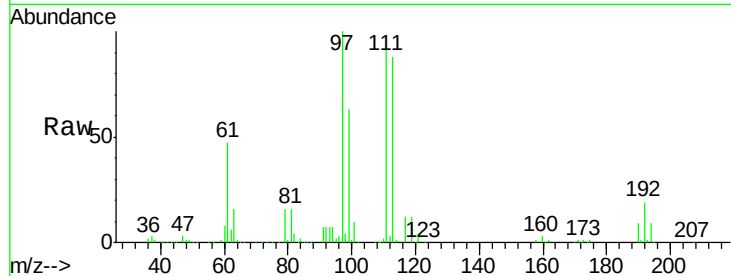
#35
 Dibromofluoromethane
 Concen: 95.305 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	228491		
111	104.0	82.7	124.1	
192	20.5	16.2	24.2	

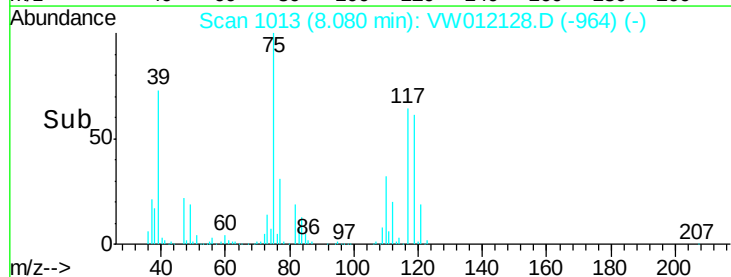
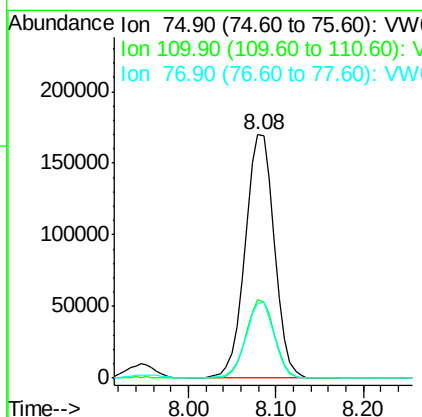
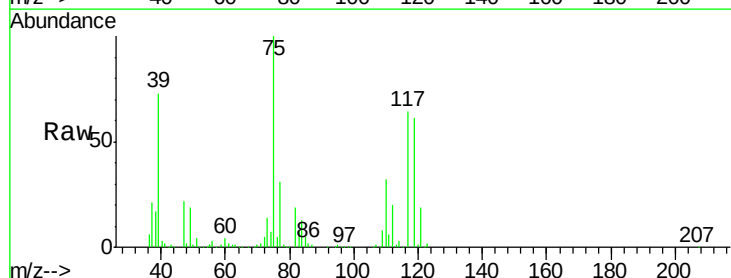
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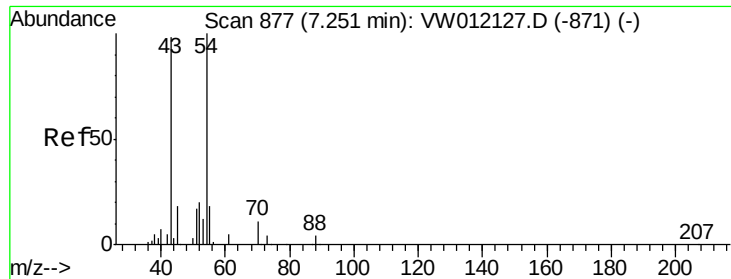
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#36
 1,1-Dichloropropene
 Concen: 94.452 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	392034		
110	31.4	15.6	46.8	
77	30.6	24.6	36.8	





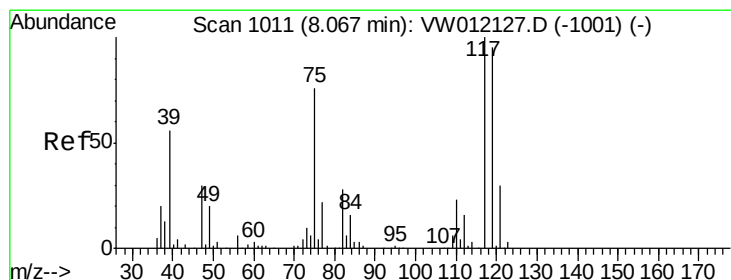
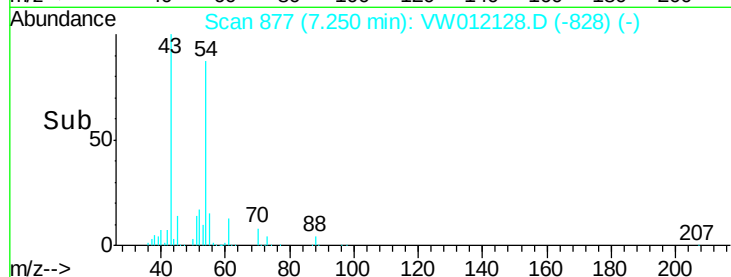
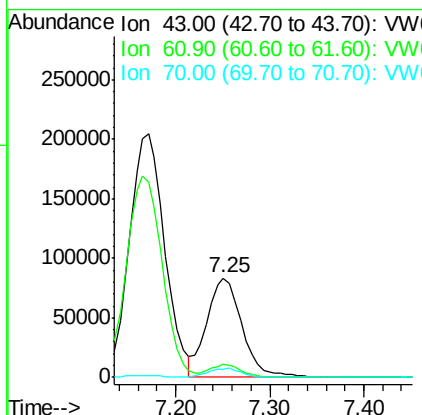
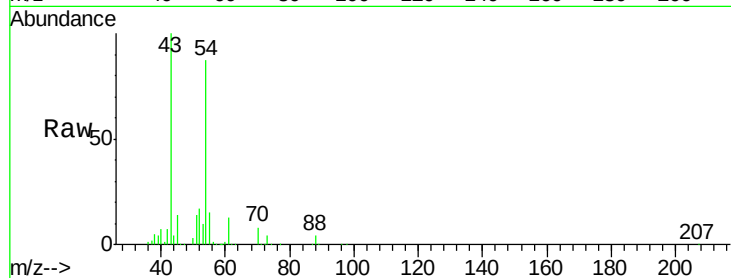
#37
Ethyl Acetate
Concen: 94.529 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
43	100	215005		
61	11.2		9.2	13.8
70	8.5		6.9	10.3

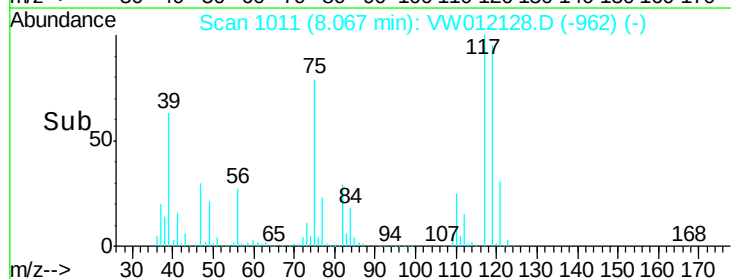
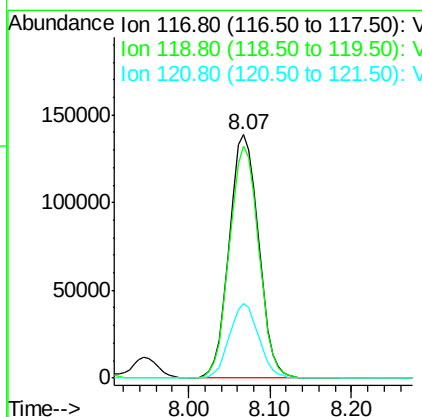
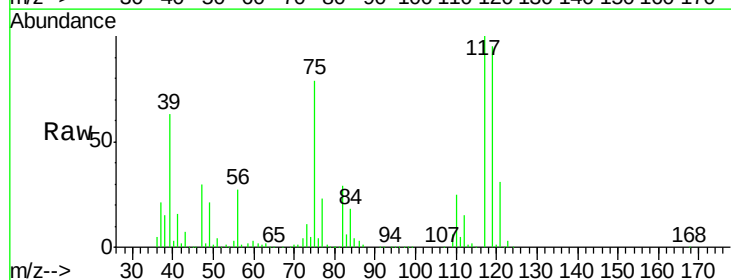
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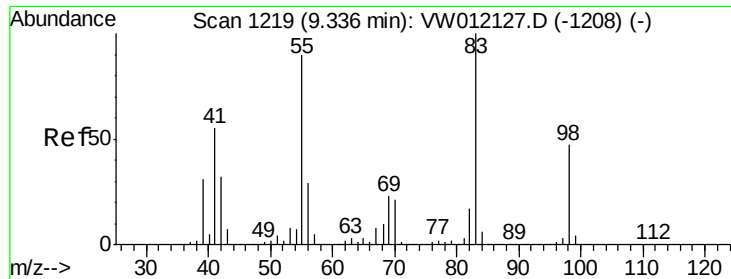
MMDadoda
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#38
Carbon Tetrachloride
Concen: 95.813 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	344205		
119	95.2		76.2	114.2
121	30.6		23.8	35.8





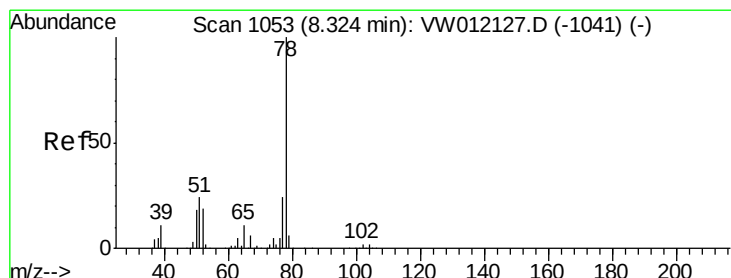
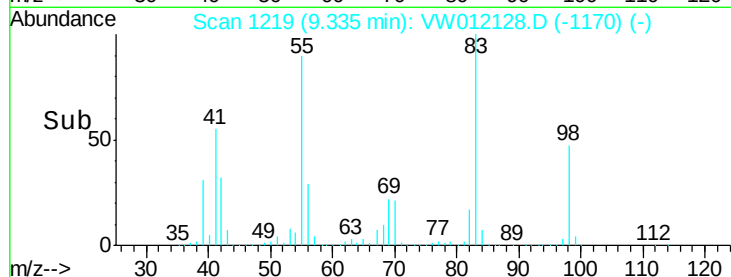
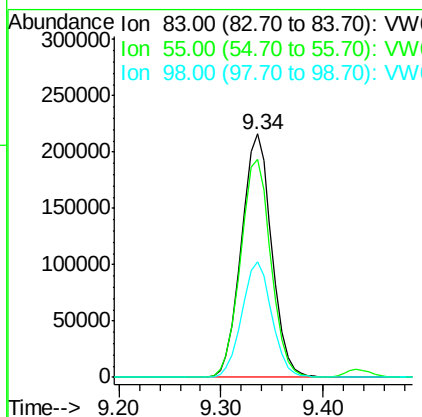
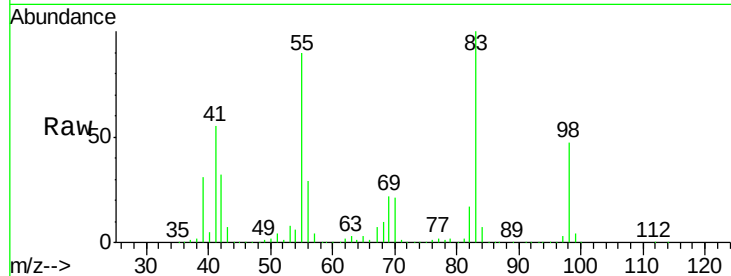
#39
Methylvlcyclohexane
Concen: 95.678 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.5	71.8	107.8
98	47.5	37.8	56.8

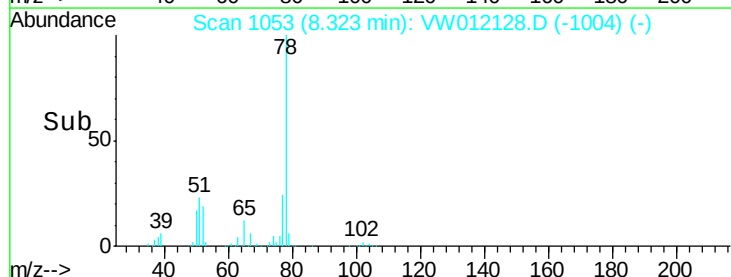
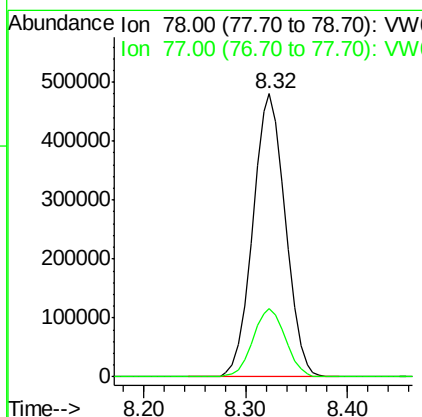
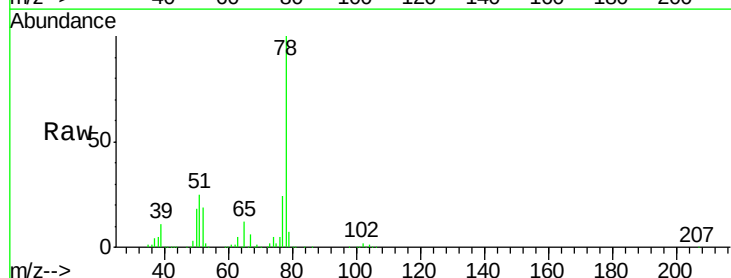
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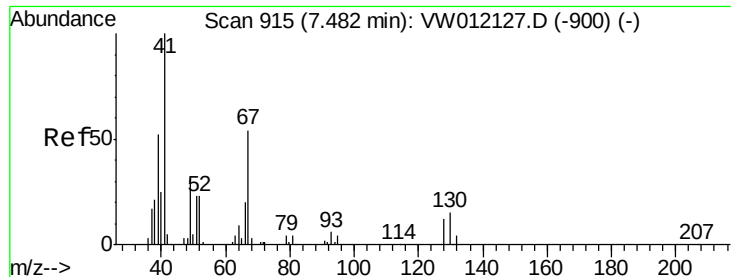
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#40
Benzene
Concen: 93.793 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.5	29.3





#41

Methacrylonitrile

Concen: 97.917 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

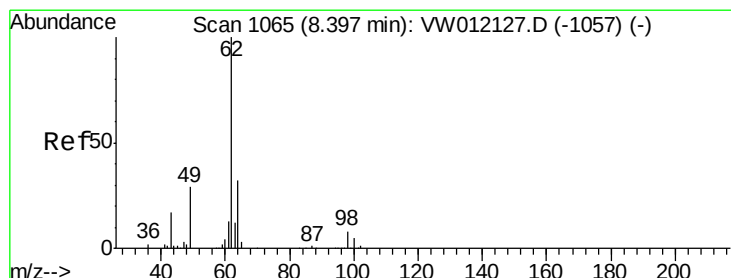
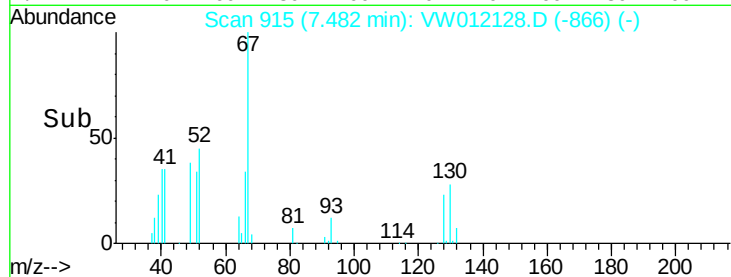
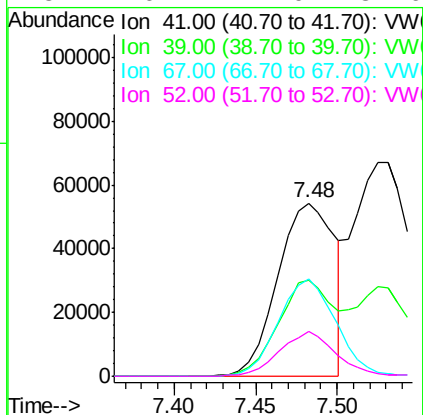
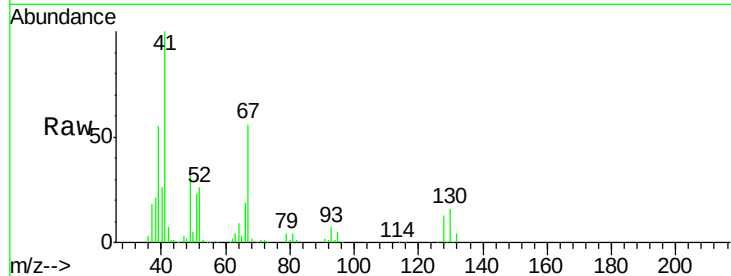
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		130894		
39	53.0	45.8	68.8		
67	57.5	46.2	69.4		
52	26.1	21.0	31.6		

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#42

1,2-Dichloroethane

Concen: 93.123 ug/l

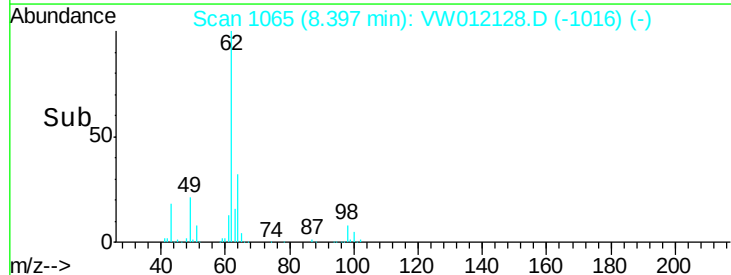
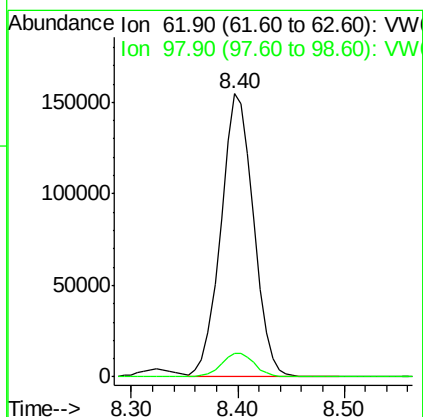
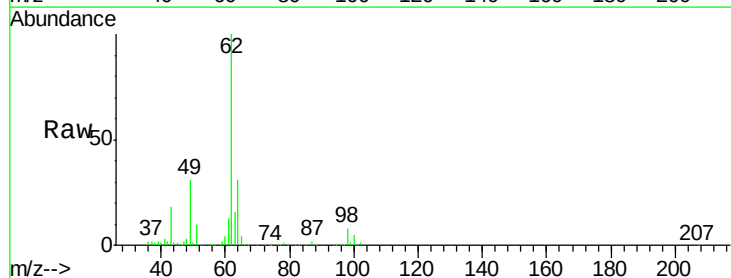
RT: 8.40 min Scan# 1065

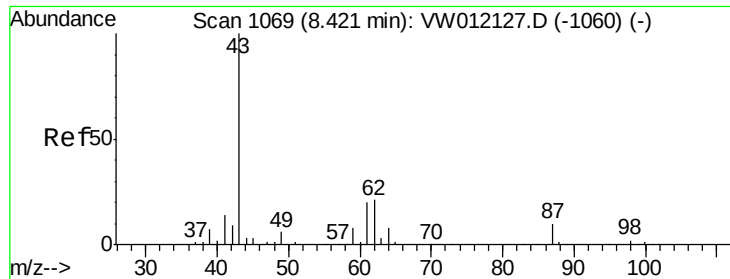
Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		330777		
98	8.4	0.0	16.6		





#43

Isopropyl Acetate

Concen: 98.382 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

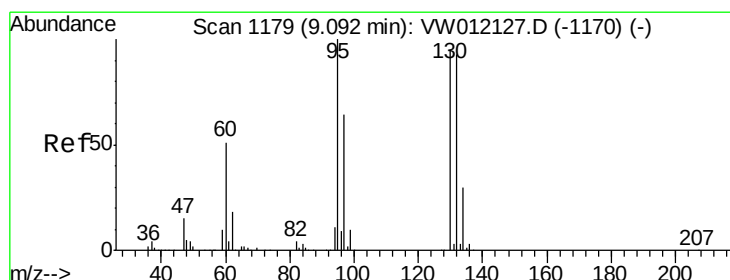
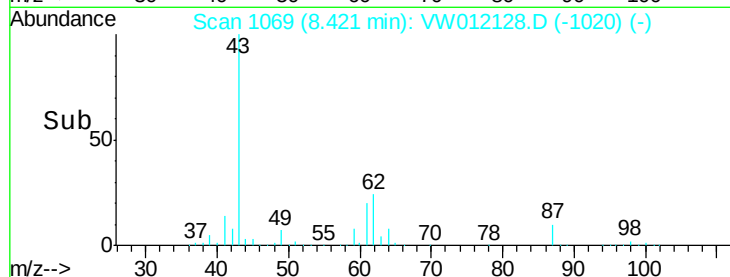
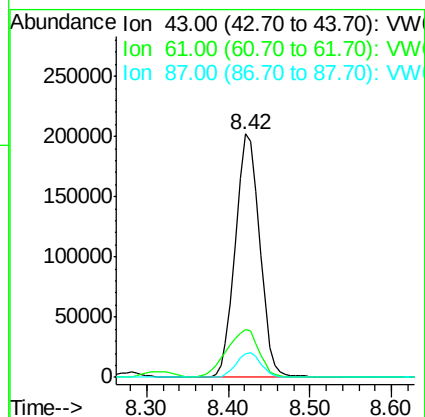
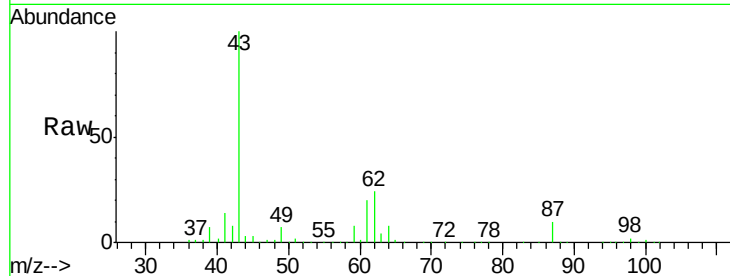
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	414487
Ion	Ratio	Lower	Upper
43	100		
61	26.1	21.1	31.7
87	10.2	8.2	12.2

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8/26/2019 11:39:11 AM



#44

Trichloroethene

Concen: 94.258 ug/l

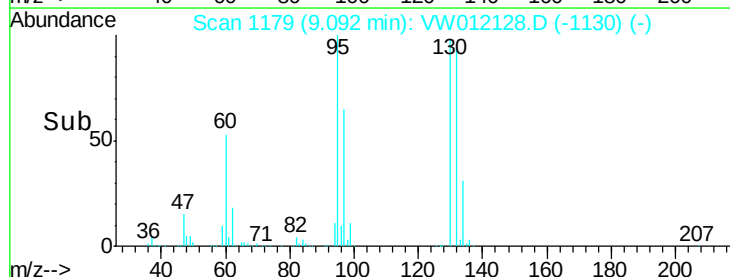
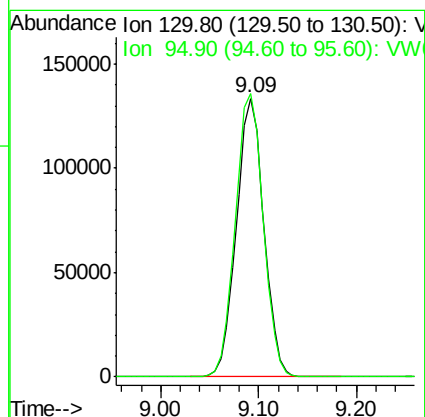
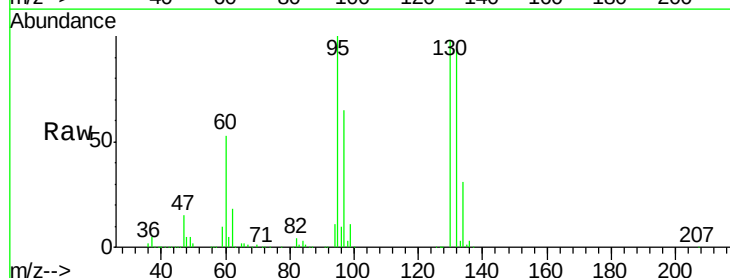
RT: 9.09 min Scan# 1179

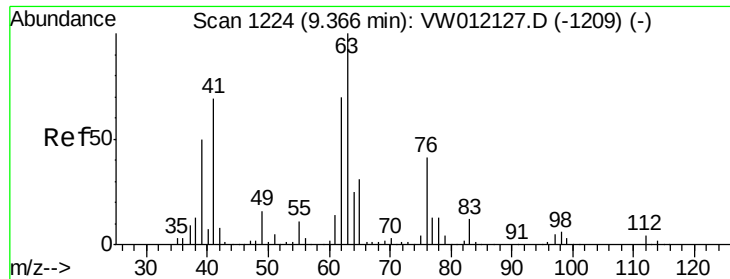
Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Tgt Ion:	130	Resp:	259695
Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	210.6





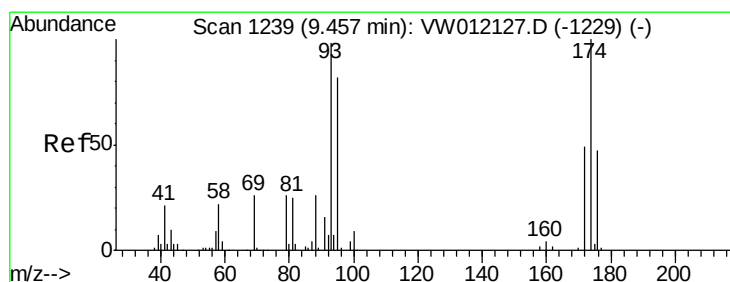
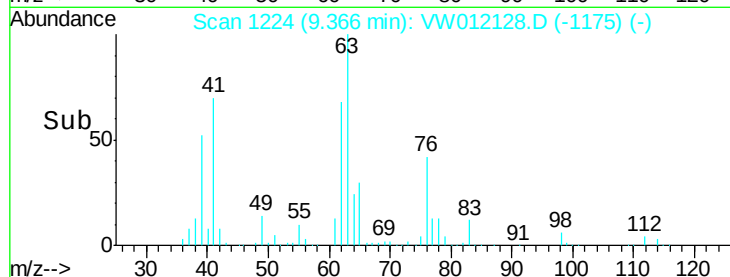
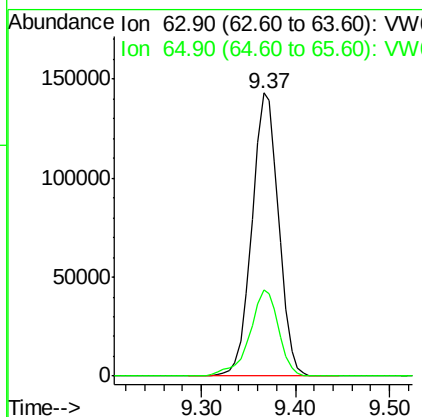
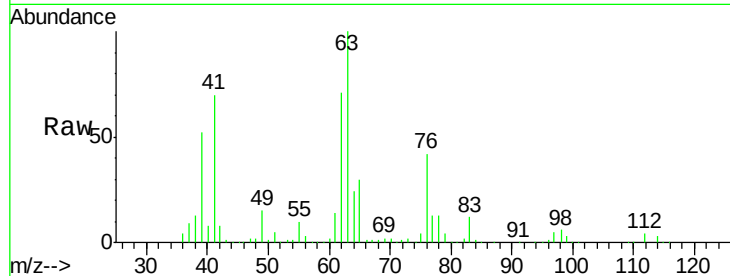
#45
 1,2-Dichloropropane
 Concen: 93.711 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	25.0	37.4

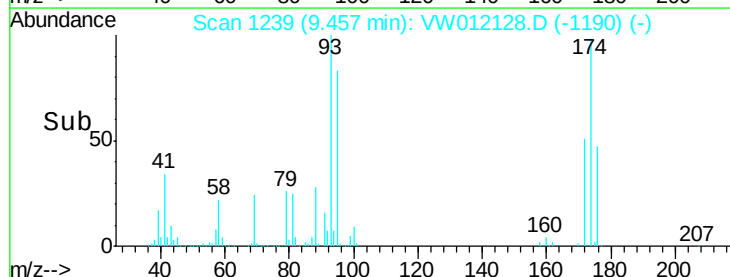
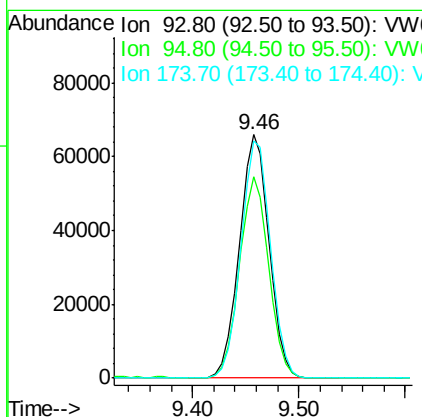
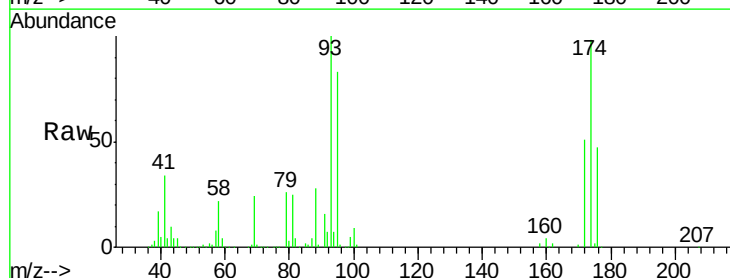
Manual Integrations
 APPROVED

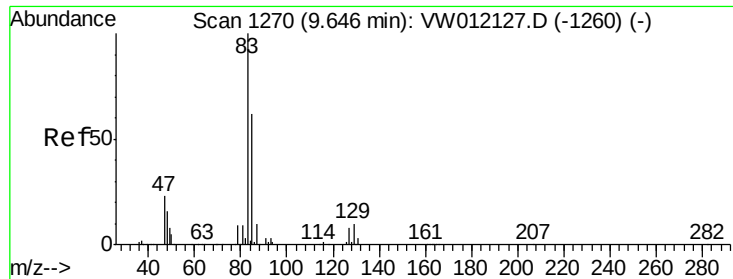
MMDadoda
 8/26/2019 11:39:11 AM



#46
 Dibromomethane
 Concen: 95.196 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.7	67.2	100.8
174	97.6	79.0	118.6





#47

Bromodichloromethane

Concen: 96.193 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

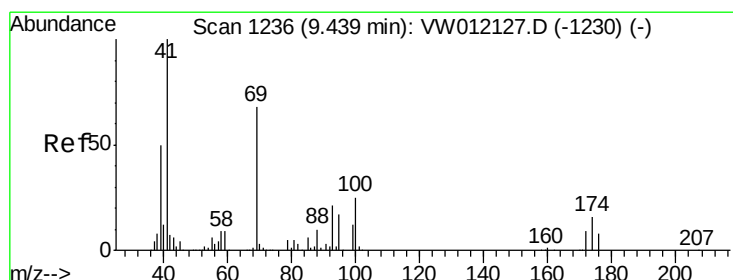
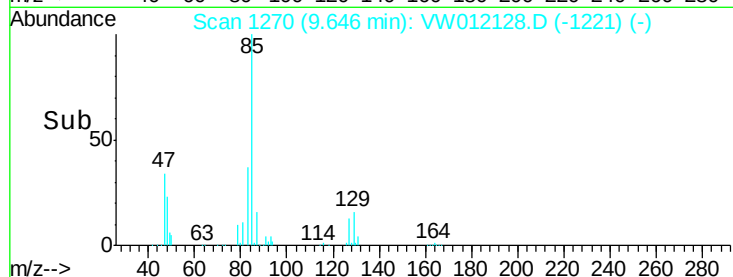
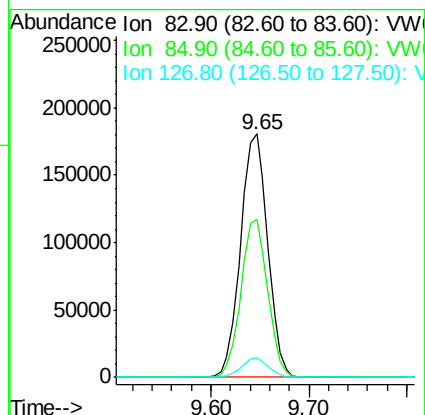
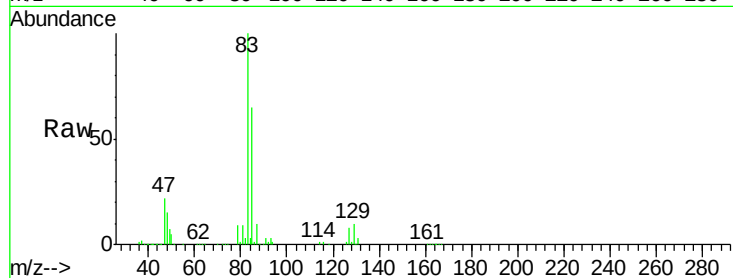
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	347440
Ion	Ratio	Lower	Upper
83	100		
85	64.7	49.4	74.2
127	8.2	6.1	9.1

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



#48

Methyl methacrylate

Concen: 100.216 ug/l

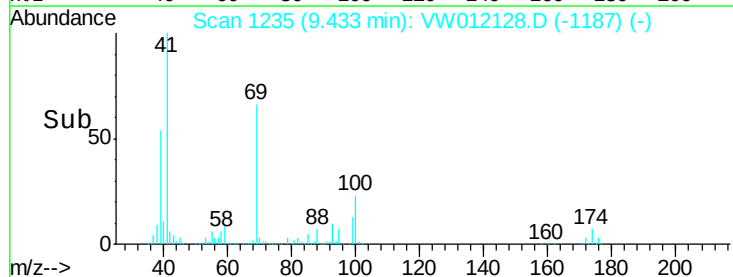
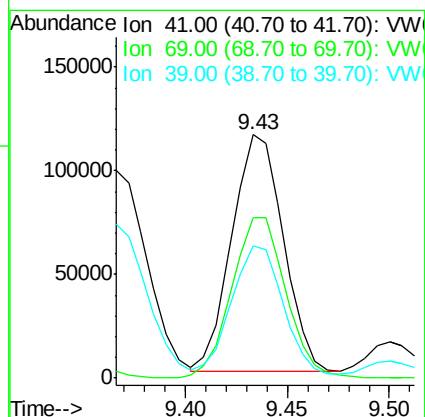
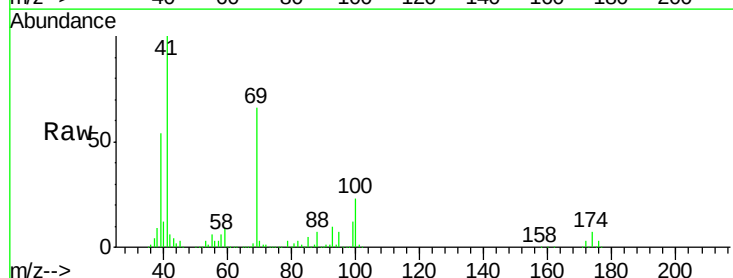
RT: 9.43 min Scan# 1235

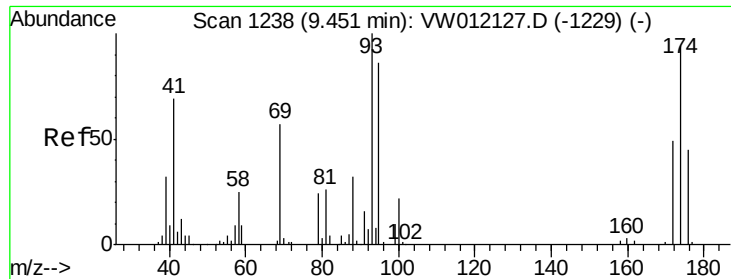
Delta R.T. -0.01 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Tgt Ion:	41	Resp:	200952
Ion	Ratio	Lower	Upper
41	100		
69	71.2	56.7	85.1
39	53.9	42.0	63.0





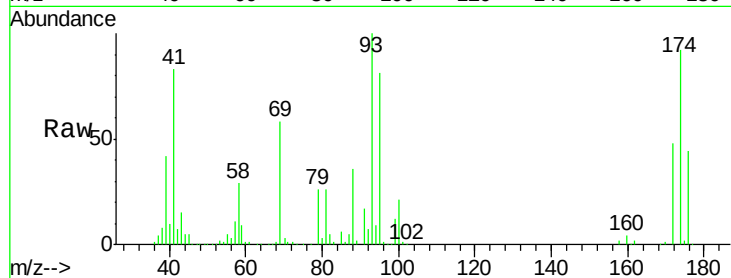
#49
1,4-Dioxane
Concen: 2050.391 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	42599
Ion Ratio	100	Lower	Upper
88	100		
43	39.7	32.9	49.3
58	85.5	71.0	106.4

Manual Integrations
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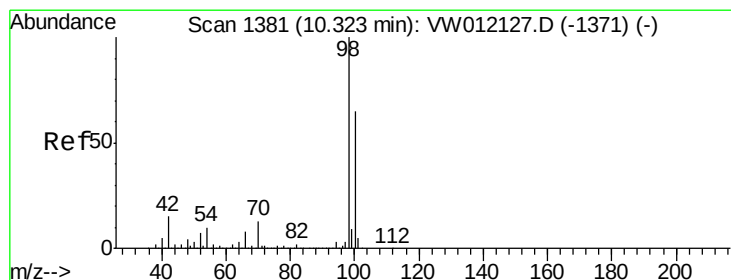
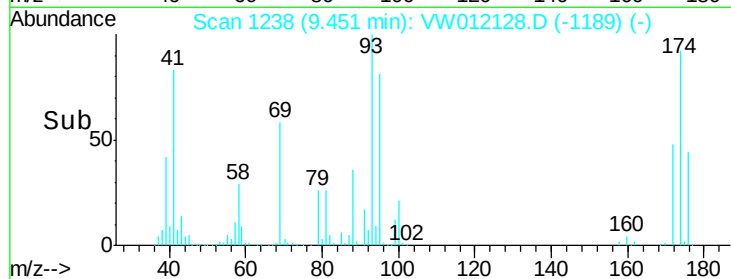
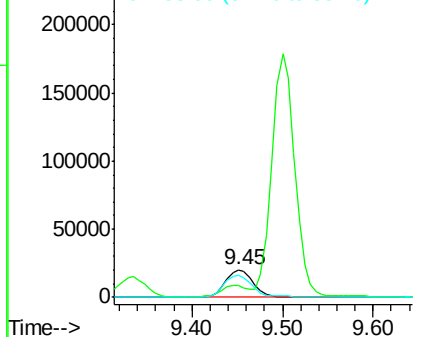


Abundance

Ion 88.00 (87.70 to 88.70): VW

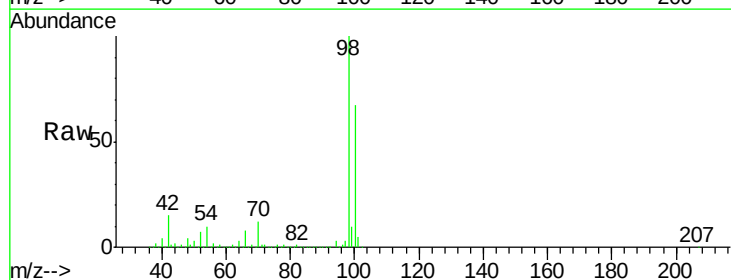
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 96.965 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

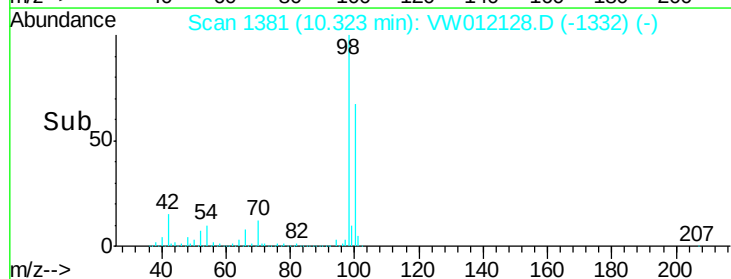
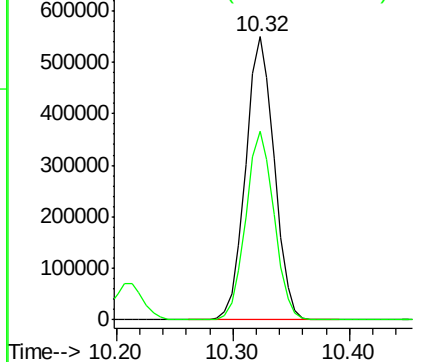
Tgt Ion	98	Resp	942605
Ion Ratio	100	Lower	Upper
98	100		
100	66.0	52.4	78.6

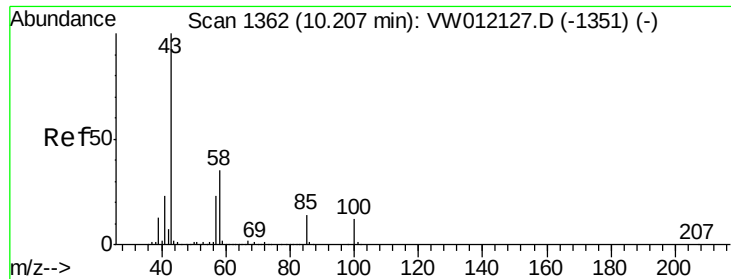


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 492.882 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1056190

Ion Ratio Lower Upper

43 100

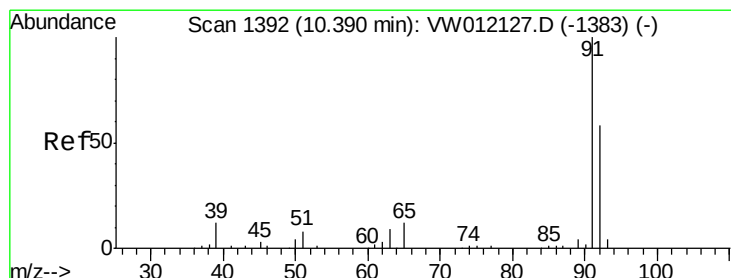
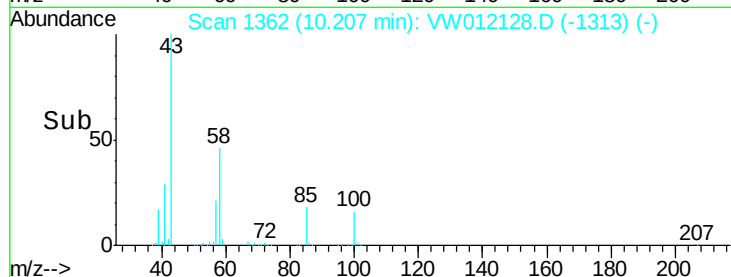
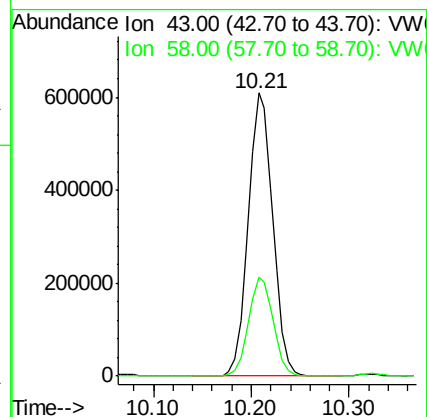
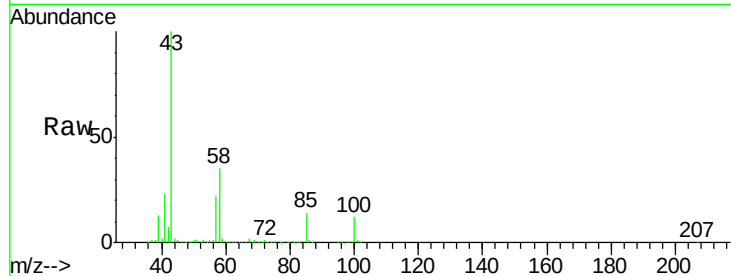
58 35.1 28.2 42.2

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#52

Toluene

Concen: 94.748 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012128.D

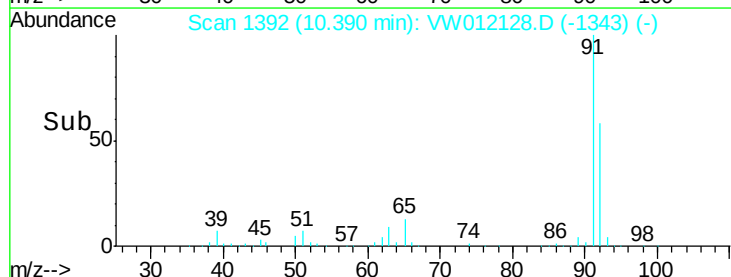
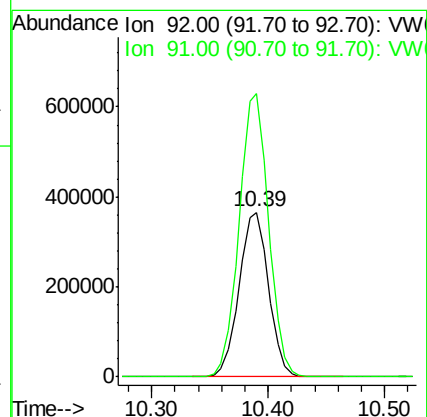
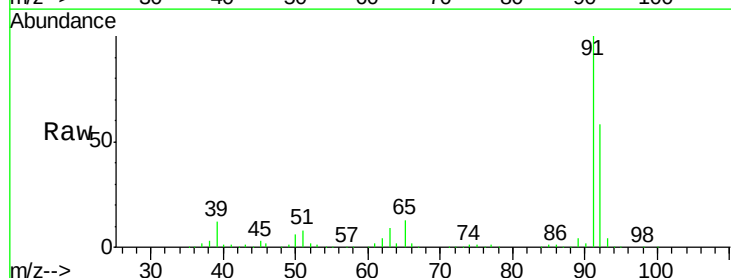
Acq: 23 Aug 2019 11:29

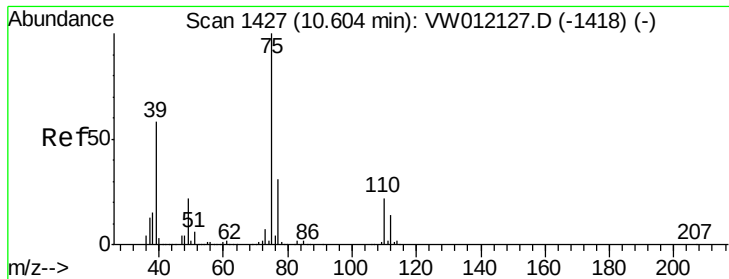
Tgt Ion: 92 Resp: 645099

Ion Ratio Lower Upper

92 100

91 171.4 136.6 204.8





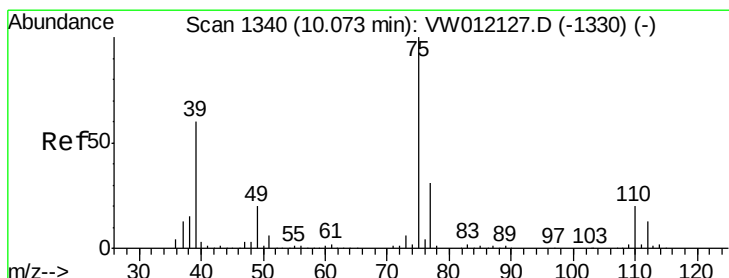
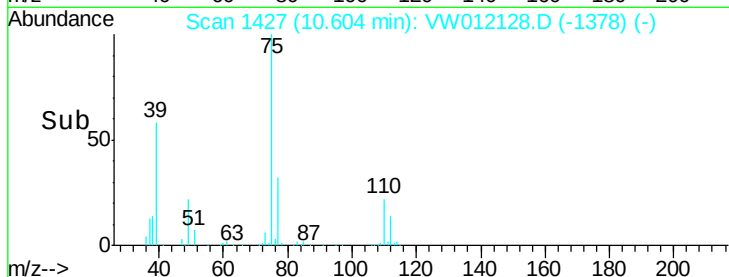
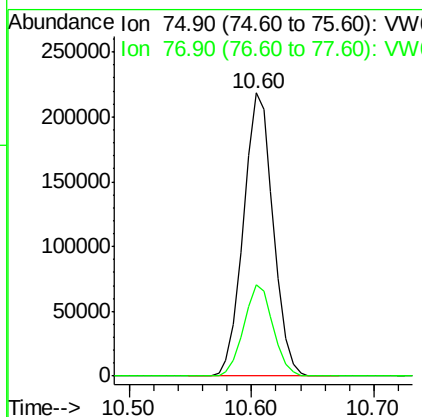
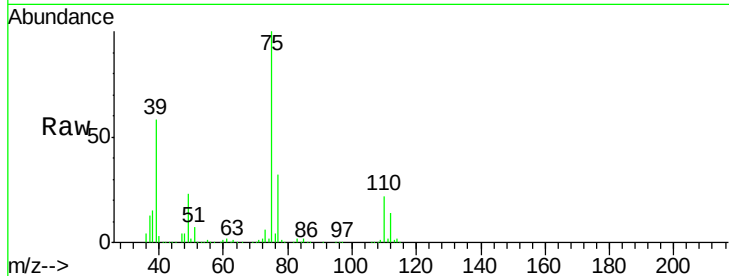
#53
t-1,3-Dichloropropene
Concen: 99.978 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.0	37.4

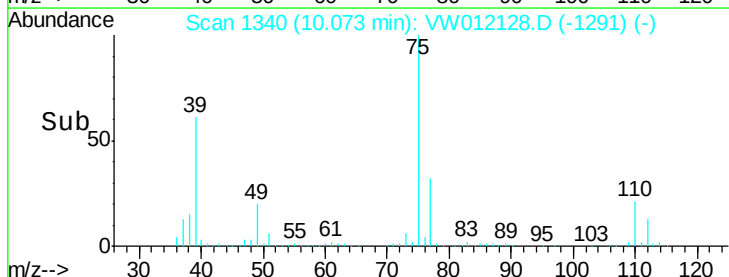
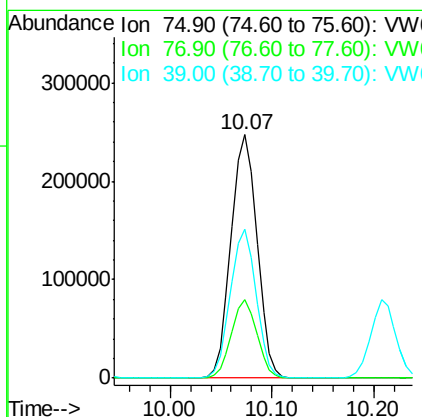
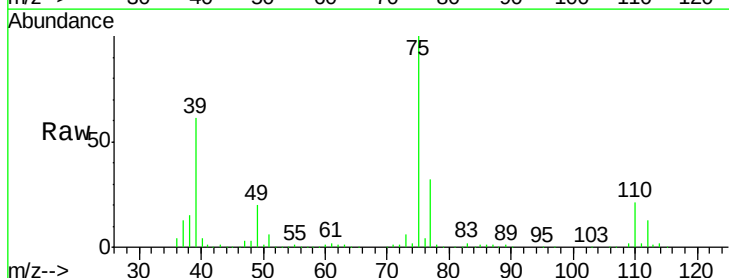
Manual Integrations
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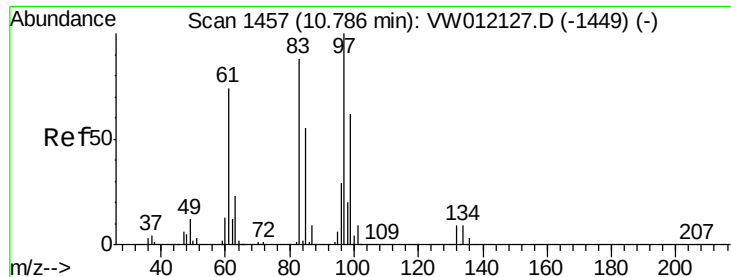
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 98.464 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.1	37.7
39	60.9	48.3	72.5





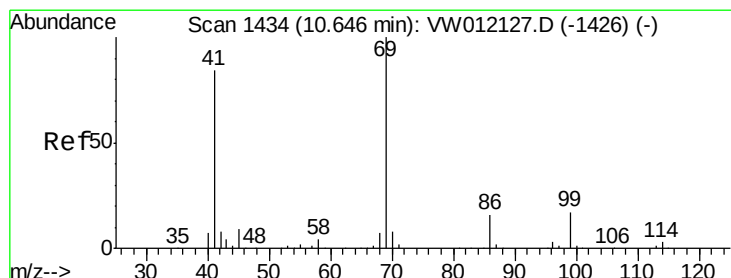
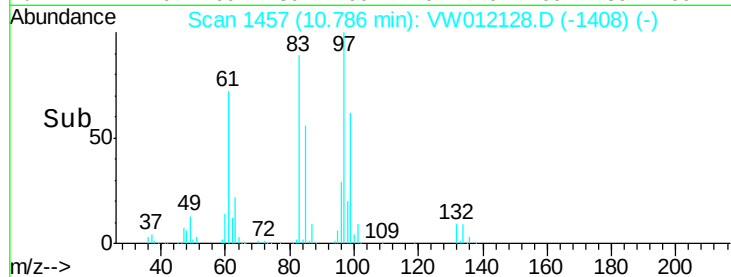
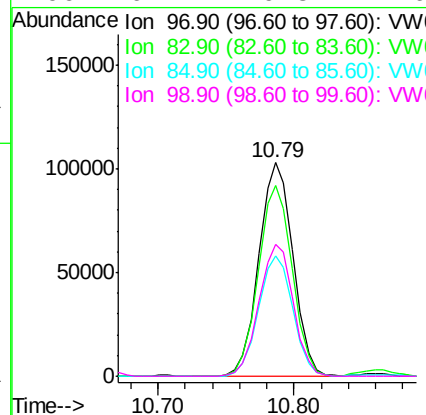
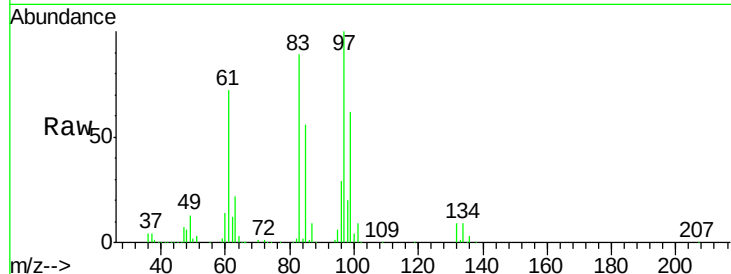
#55
 1,1,2-Trichloroethane
 Concen: 93.829 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	180166
Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.8	106.2
85	56.2	43.8	65.8
99	62.1	49.8	74.6

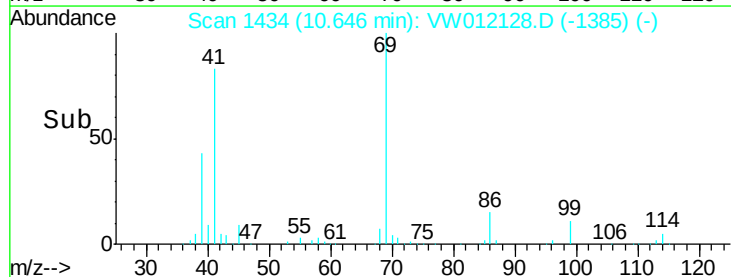
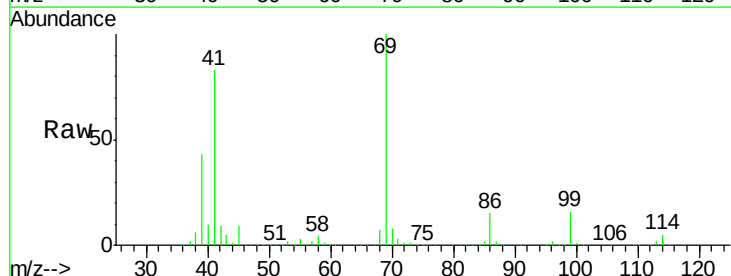
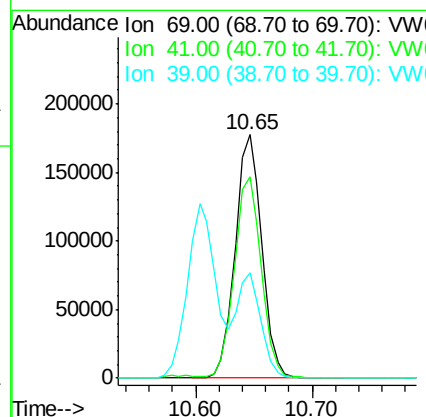
Manual Integrations
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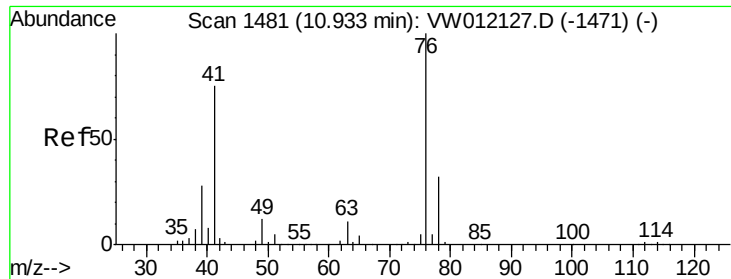
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#56
 Ethyl methacrylate
 Concen: 100.734 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Tgt Ion:	69	Resp:	281513
Ion	Ratio	Lower	Upper
69	100		
41	84.1	66.5	99.7
39	39.0	31.0	46.4





#57

1,3-Dichloropropane

Concen: 95.378 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 346088

Ion Ratio Lower Upper

76 100

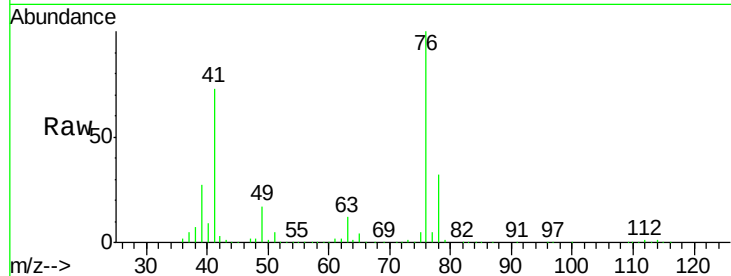
78 32.1 25.8 38.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

200000

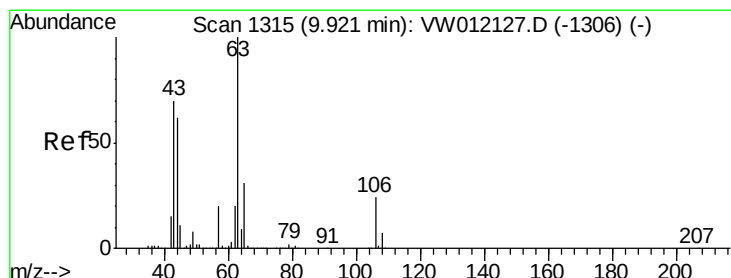
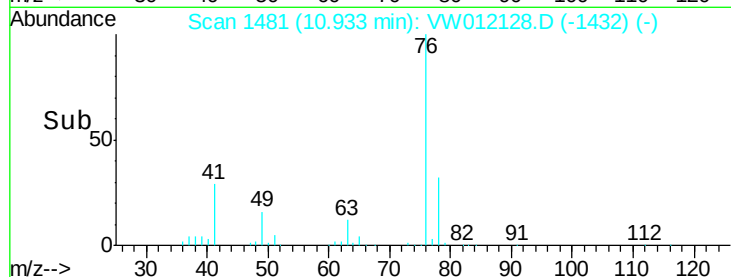
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 558.730 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW012128.D

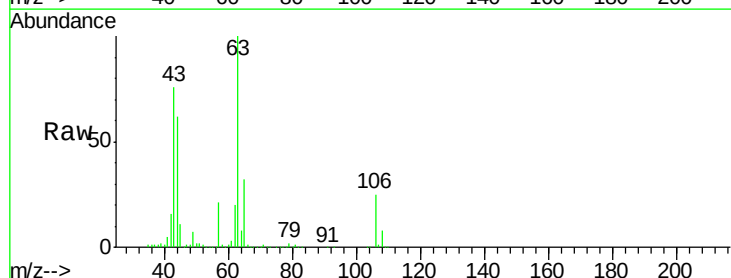
Acq: 23 Aug 2019 11:29

Tgt Ion: 63 Resp: 801363

Ion Ratio Lower Upper

63 100

106 24.6 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.93

500000

400000

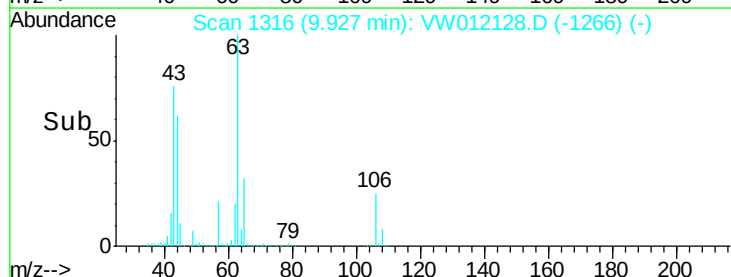
300000

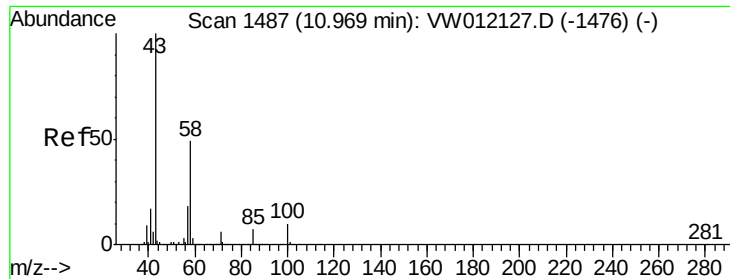
200000

100000

0

Time-->





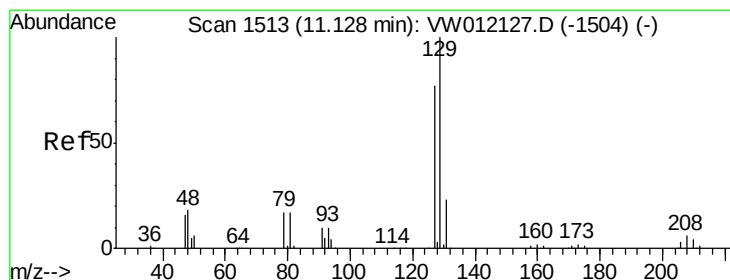
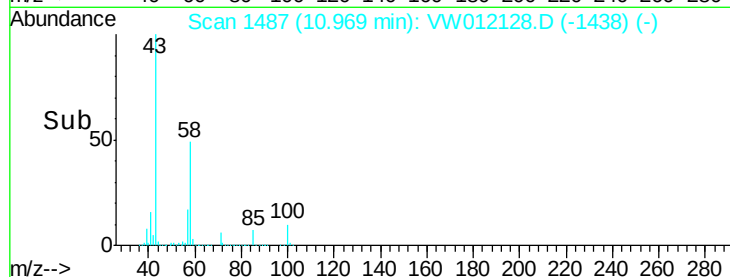
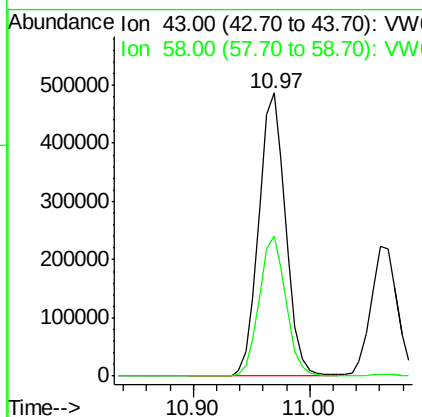
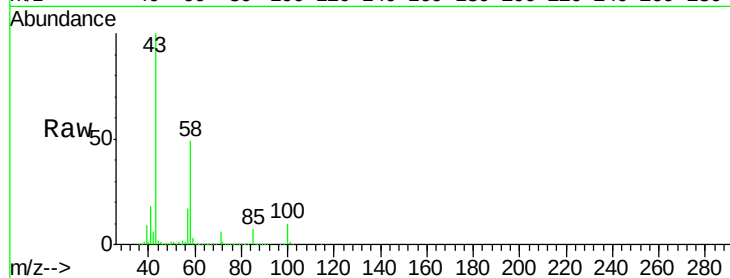
#59
2-Hexanone
Concen: 514.852 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.0	24.3	72.9

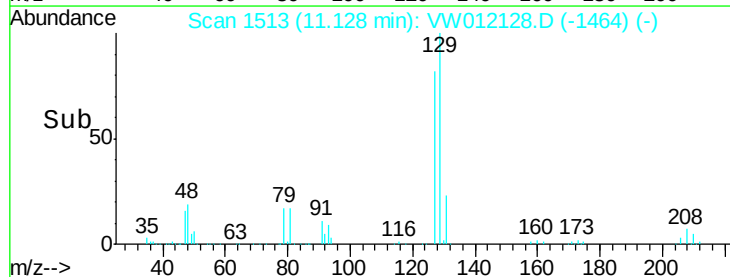
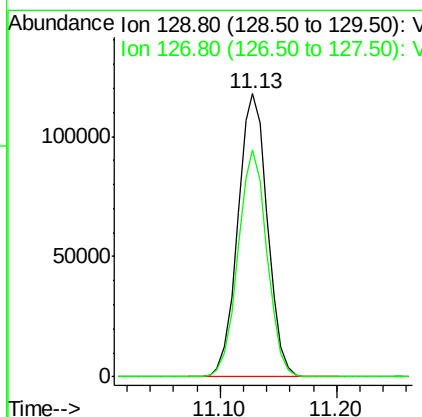
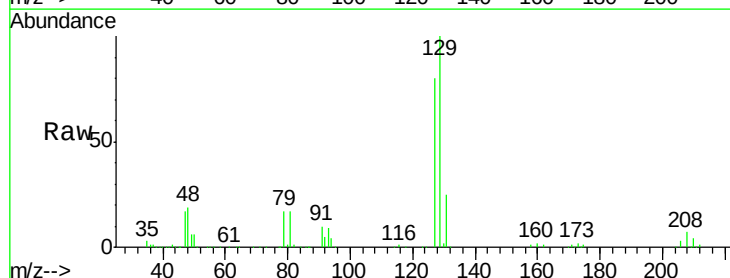
Manual Integrations
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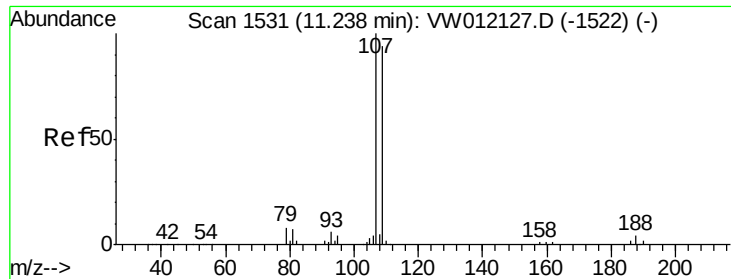
MMDadoda
8/26/2019 11:39:11 AM



#60
Dibromochloromethane
Concen: 96.953 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.6	115.8





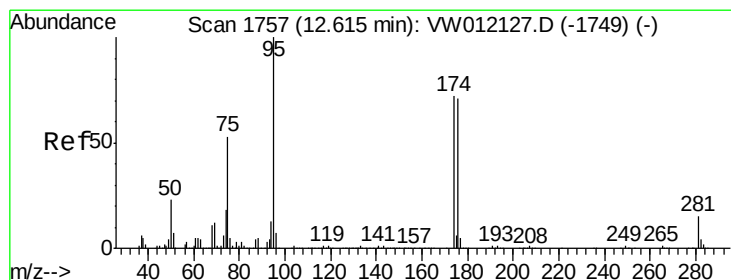
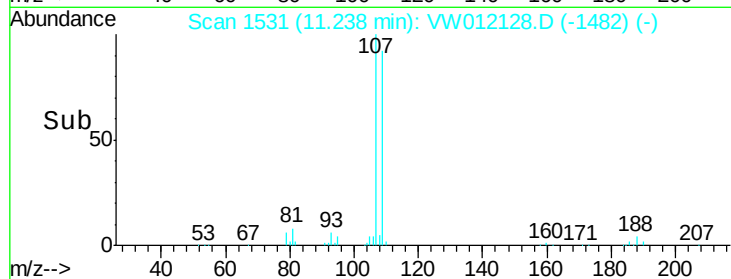
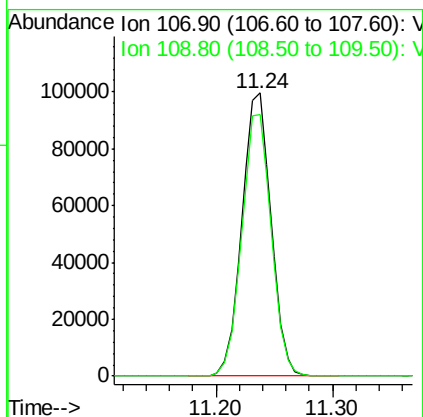
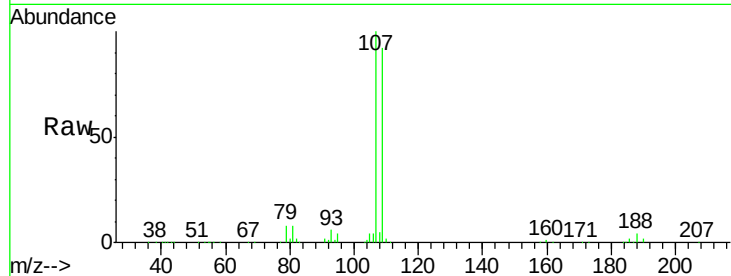
#61
 1,2-Dibromoethane
 Concen: 97.311 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	174077		
109	93.6	75.4	113.2	

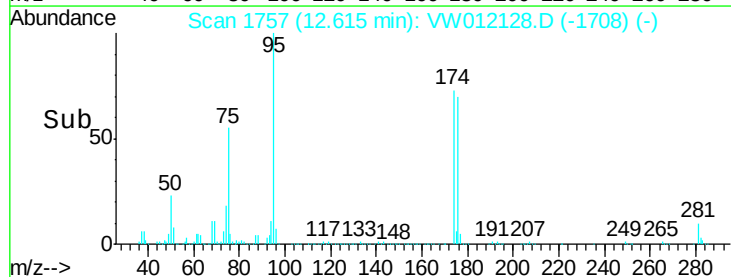
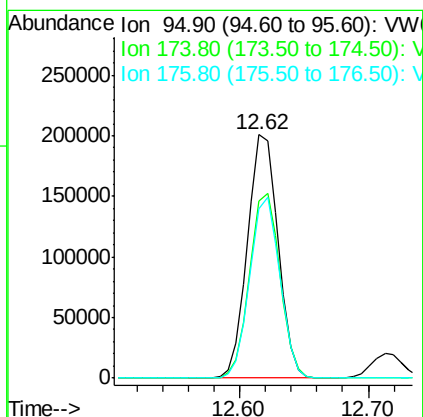
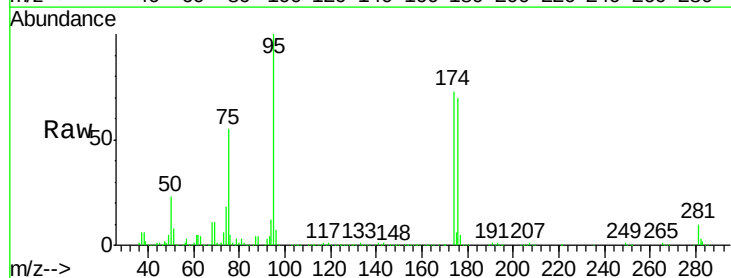
Manual Integrations
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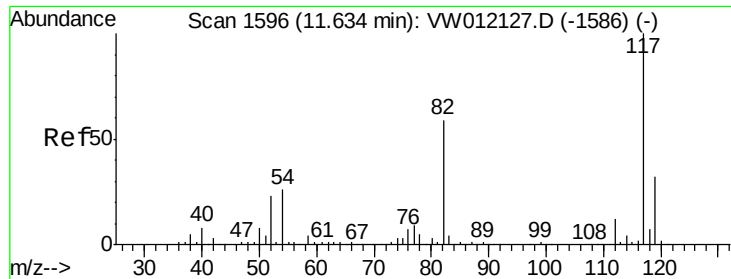
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 95.743 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	328081		
174	75.6	0.0	150.8	
176	73.2	0.0	148.6	





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

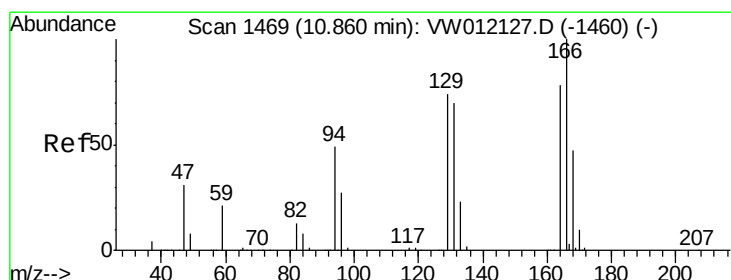
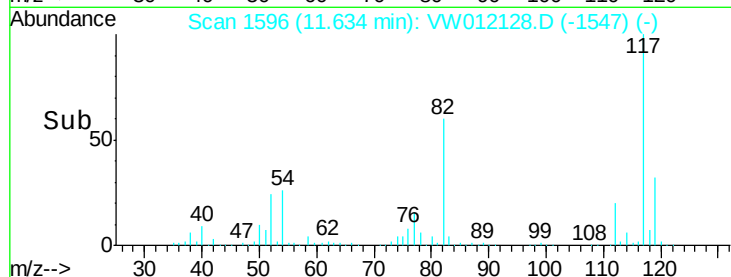
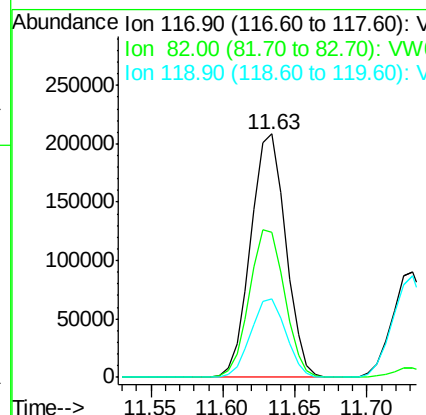
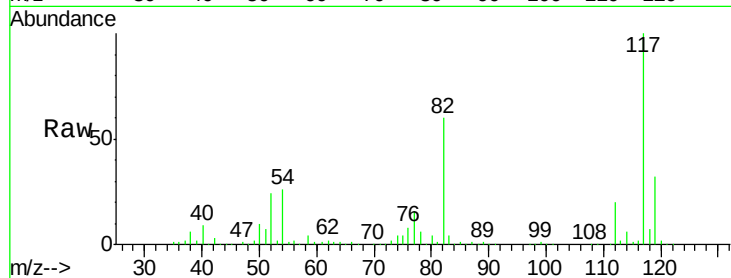
ClientSampleId :

VSTDIC100

Tot Ion:	117	Resp:	351361
Ion Ratio	Lower	Upper	
117	100		
82	59.6	47.4	71.2
119	32.2	25.4	38.2

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#64

Tetrachloroethene

Concen: 94.123 ug/l

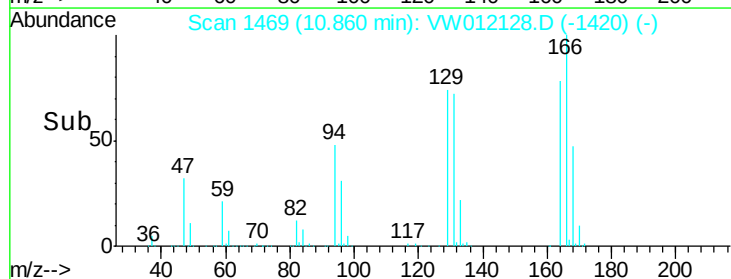
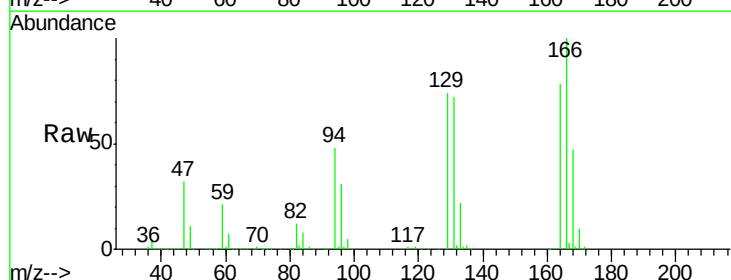
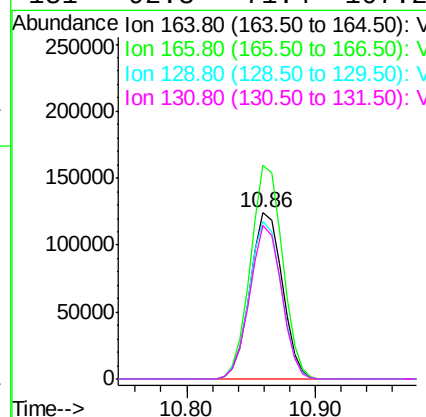
RT: 10.86 min Scan# 1469

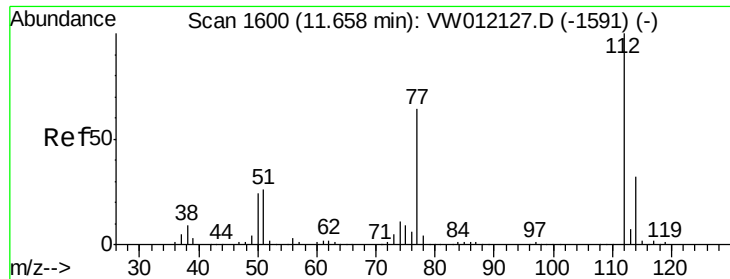
Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Tgt Ion:	164	Resp:	214410
Ion Ratio	Lower	Upper	
164	100		
166	128.6	102.4	153.6
129	95.2	75.8	113.6
131	92.3	71.4	107.2





#65

Chlorobenzene

Concen: 92.426 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 639457

Ion Ratio Lower Upper

112 100

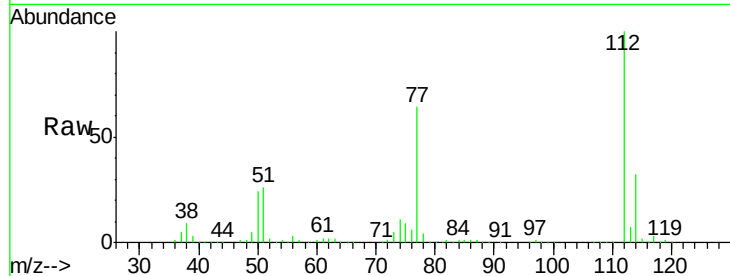
114 32.1 25.8 38.6

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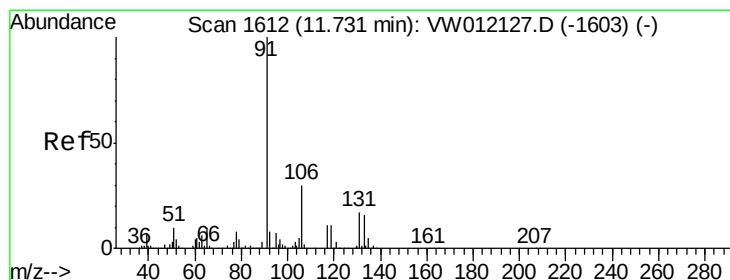
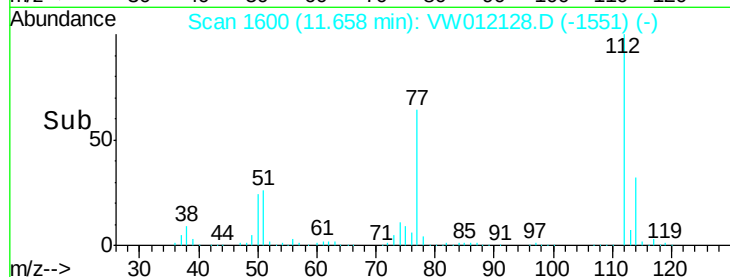
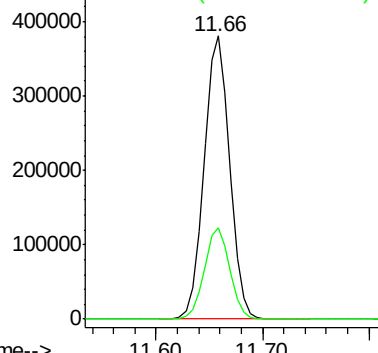
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 95.623 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

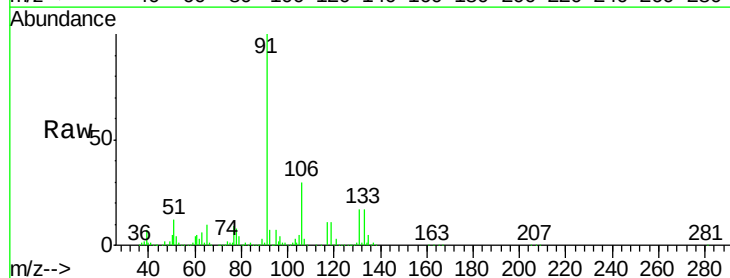
Tgt Ion:131 Resp: 230798

Ion Ratio Lower Upper

131 100

133 93.6 47.1 141.3

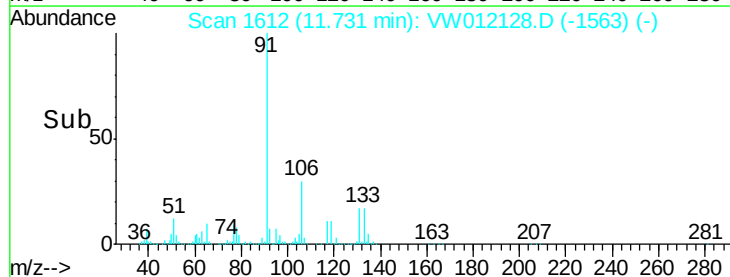
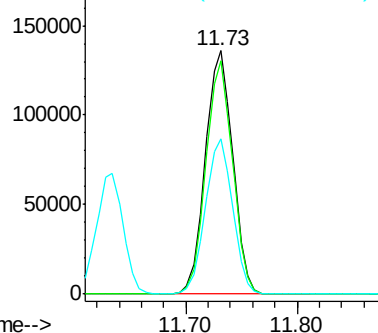
119 63.5 31.8 95.3

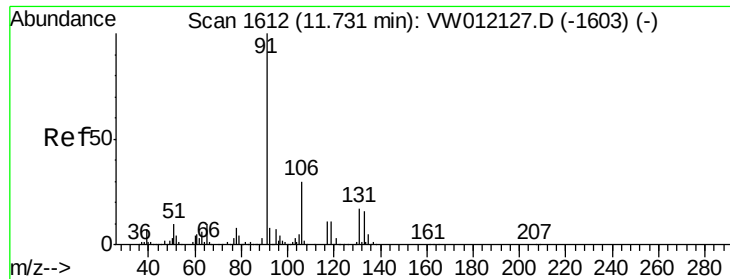


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





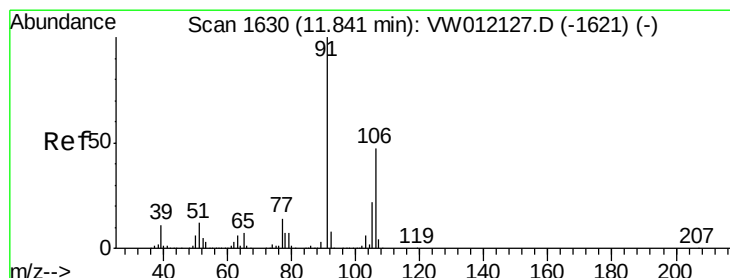
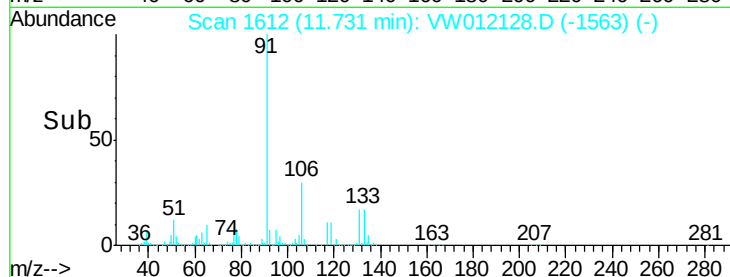
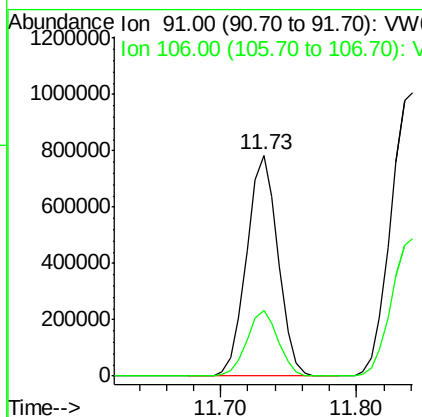
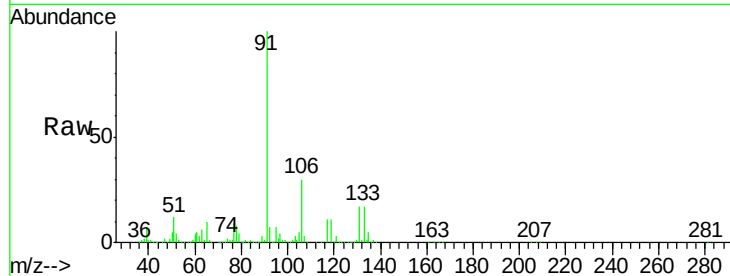
#67
Ethyl Benzene
Concen: 95.032 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 1266544
Ion Ratio Lower Upper
91 100
106 29.6 24.3 36.5

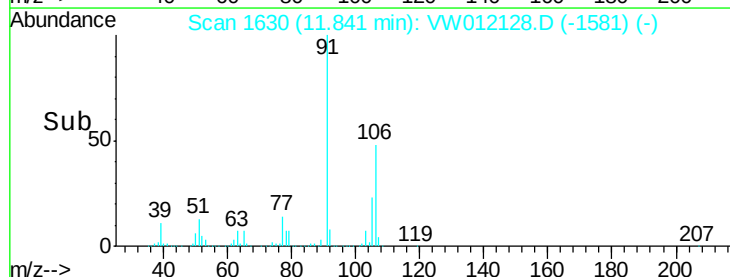
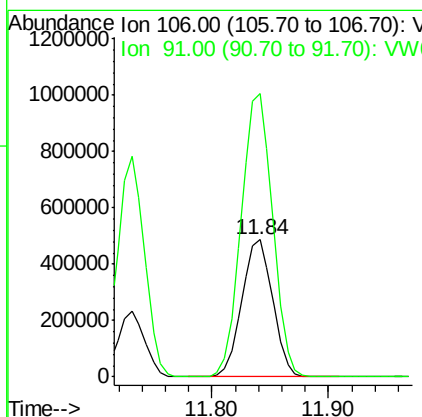
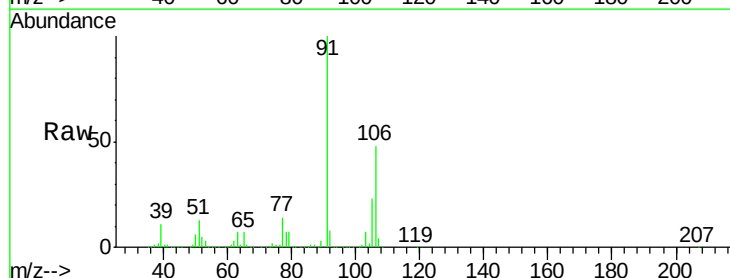
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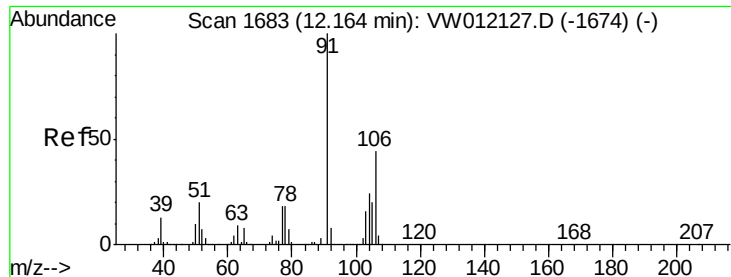
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#68
m/p-Xylenes
Concen: 188.103 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion: 106 Resp: 903031
Ion Ratio Lower Upper
106 100
91 210.2 169.5 254.3





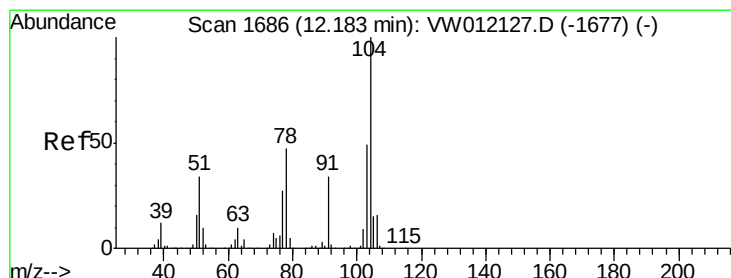
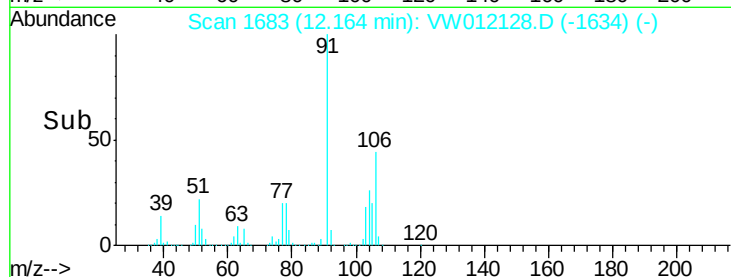
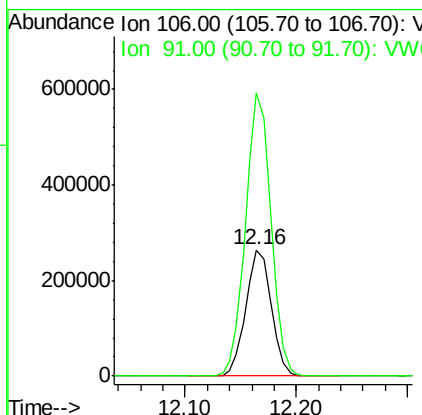
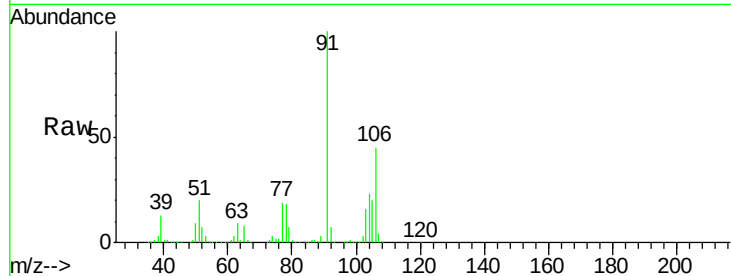
#69
o-Xylene
Concen: 94.851 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		421446		
91	223.7	111.6	334.6		

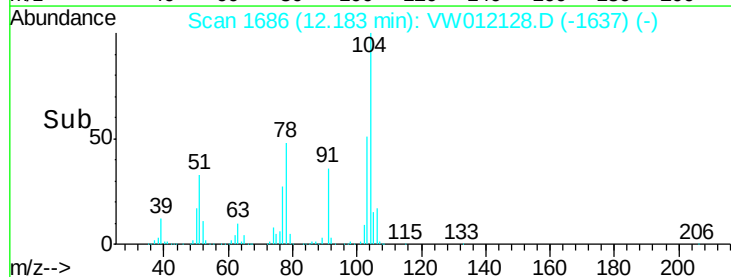
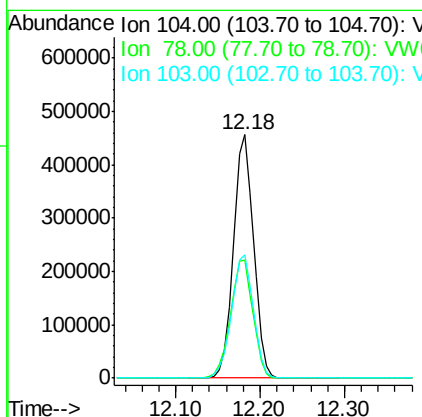
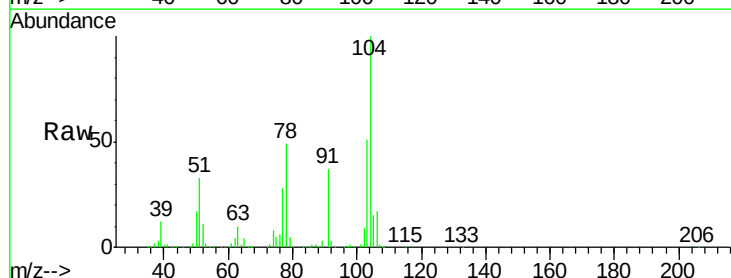
Manual Integrations
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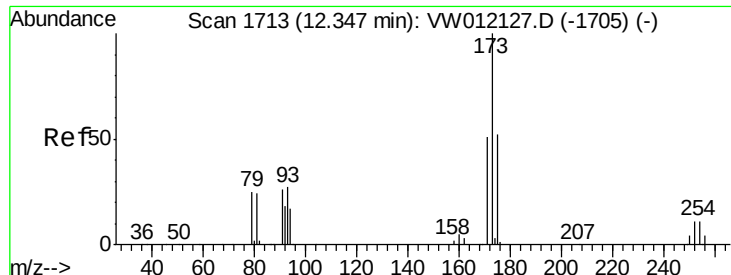
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#70
Styrene
Concen: 95.622 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		735411		
78	54.1	43.1	64.7		
103	54.8	43.5	65.3		





#71

Bromoform

Concen: 98.276 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 118180

Ion Ratio Lower Upper

173 100

175 48.8 24.6 74.0

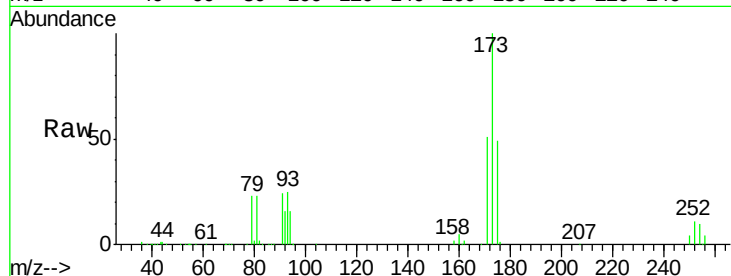
254 0.3 0.2 0.2#

Manual Integrations

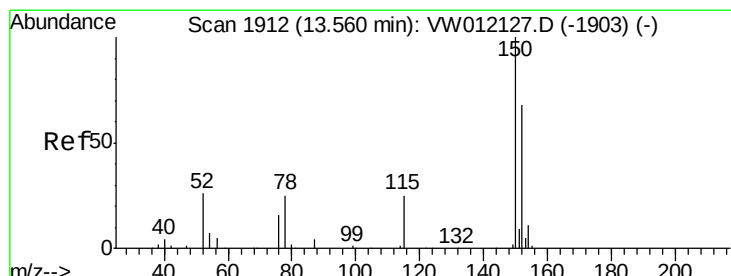
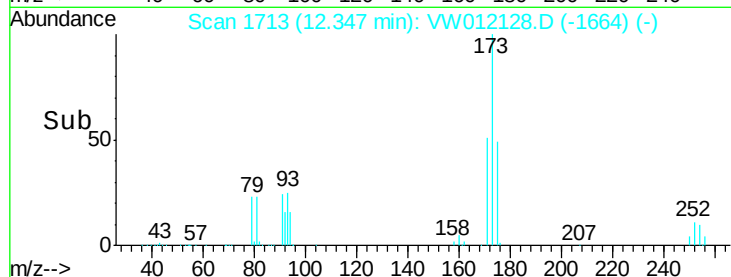
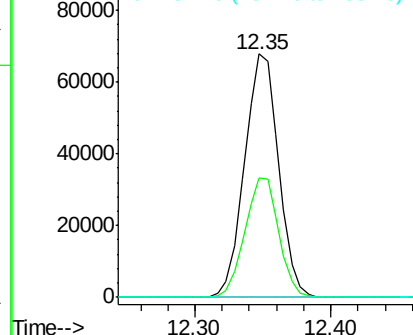
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

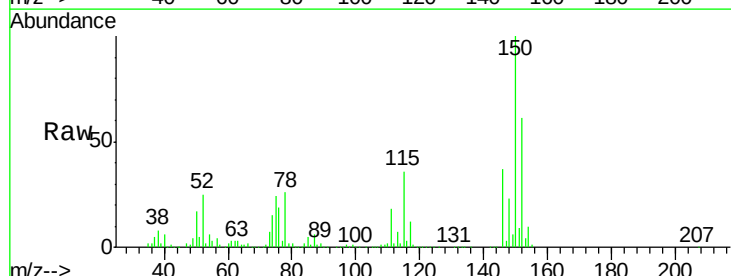
Tgt Ion:152 Resp: 164081

Ion Ratio Lower Upper

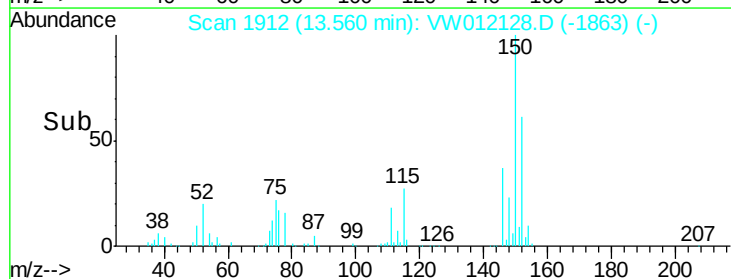
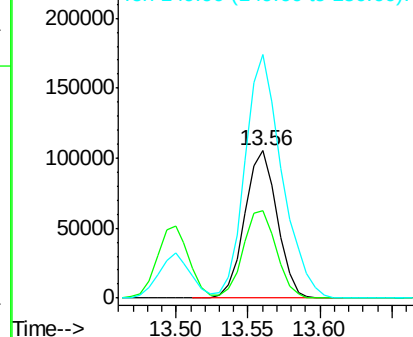
152 100

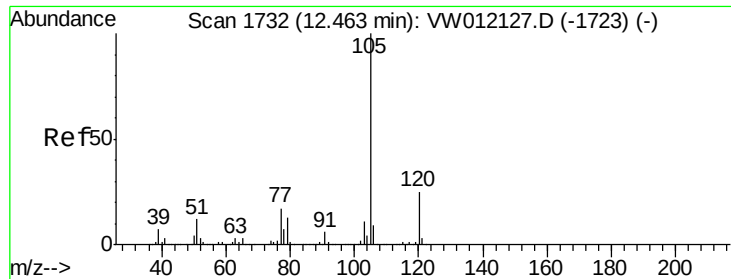
115 60.4 30.1 90.3

150 187.8 0.0 345.8



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





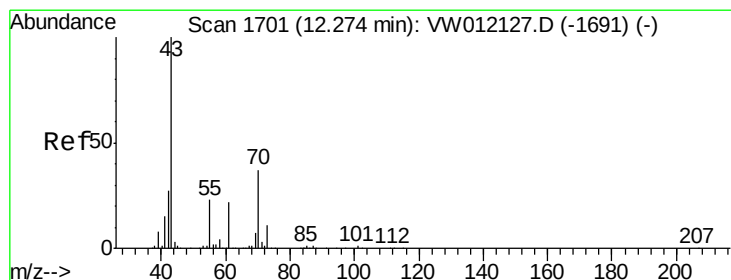
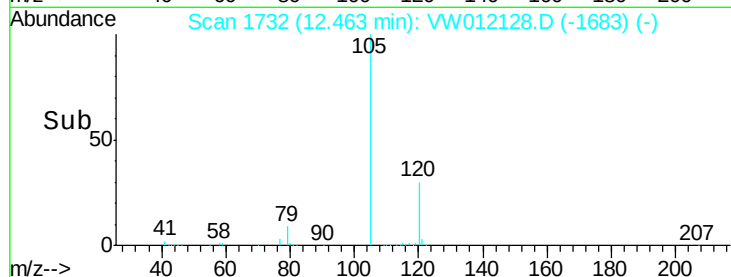
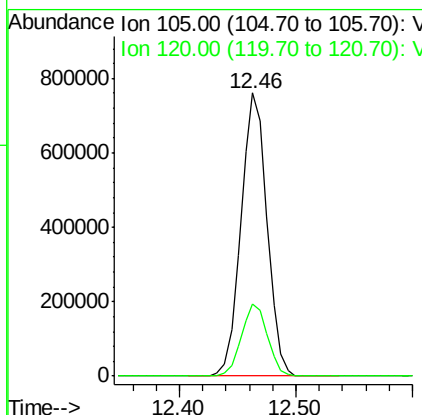
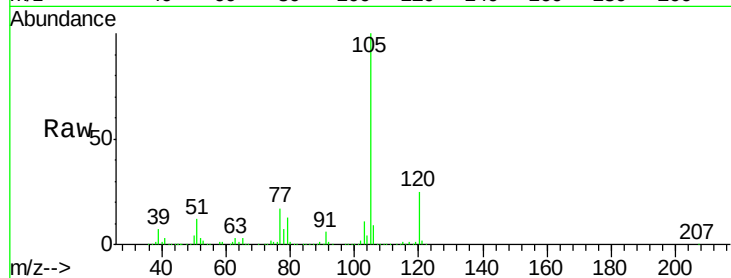
#73
Isopropylbenzene
Concen: 96.252 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 1183407
Ion Ratio Lower Upper
105 100
120 25.5 12.5 37.5

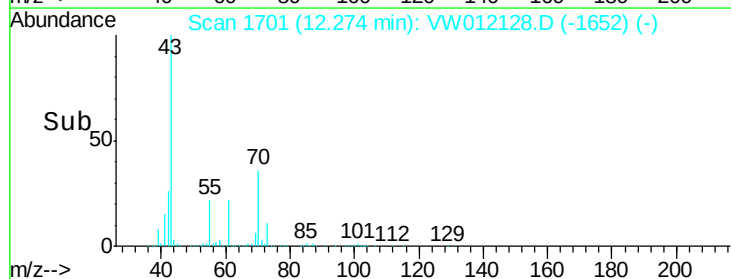
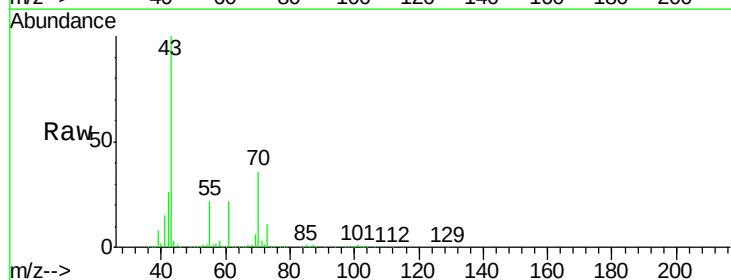
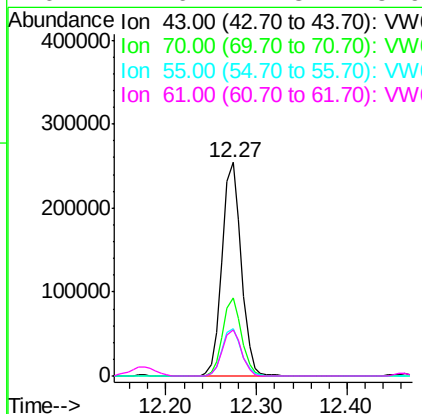
Manual Integrations
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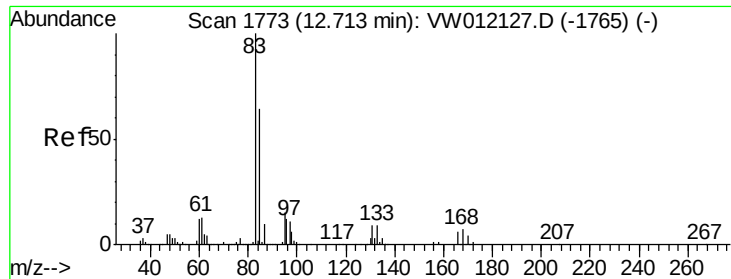
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#74
N-ethyl acetate
Concen: 100.915 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion: 43 Resp: 374860
Ion Ratio Lower Upper
43 100
70 35.9 28.6 43.0
55 22.4 17.8 26.6
61 21.6 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 94.950 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

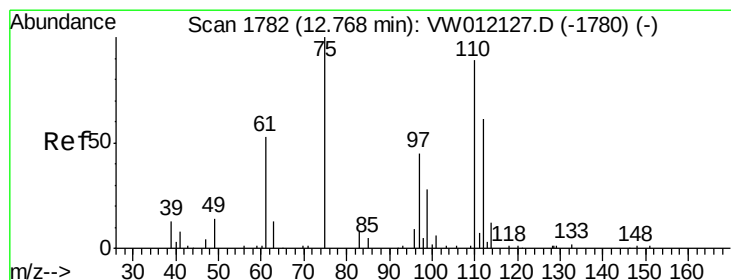
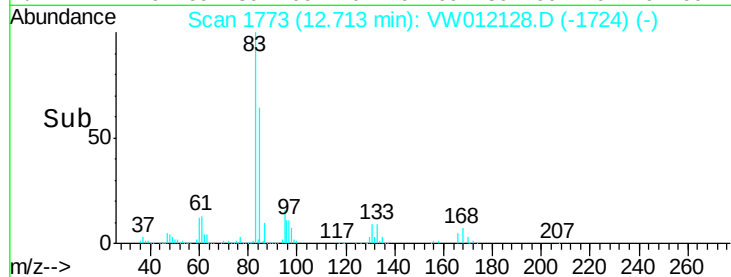
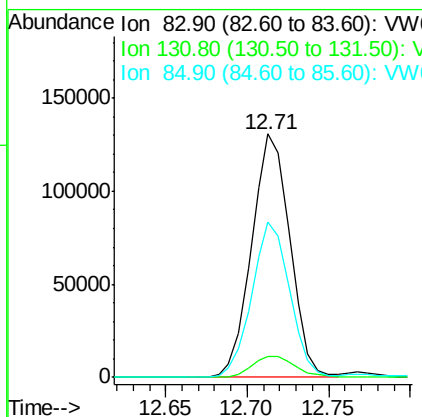
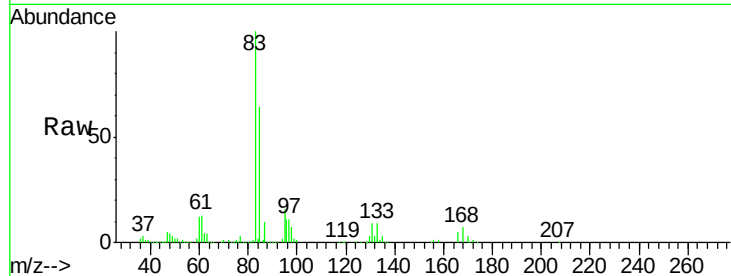
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	214017
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.7
85	63.3	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 95.180 ug/l m

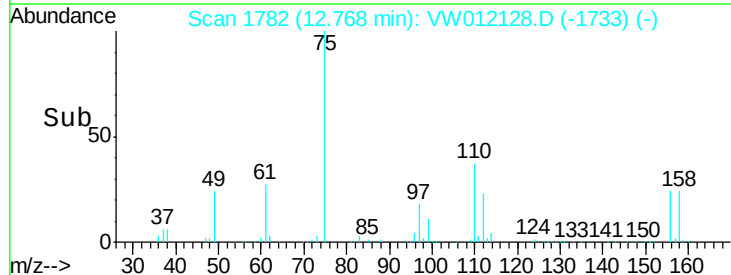
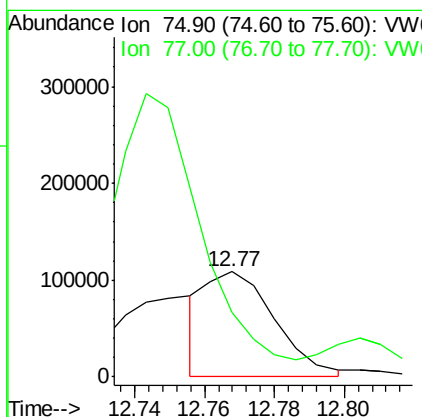
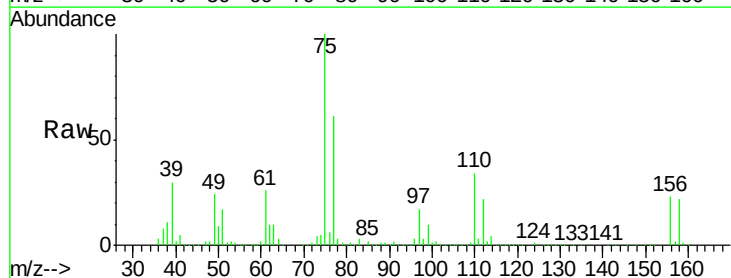
RT: 12.77 min Scan# 1782

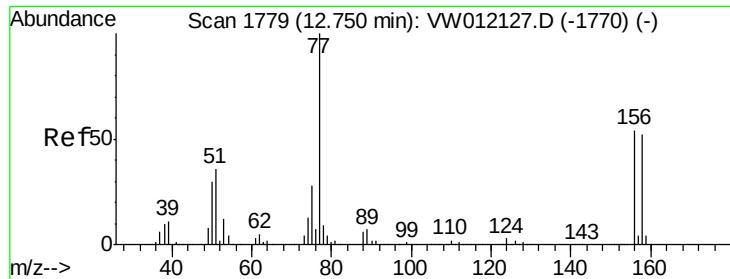
Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Tgt Ion:	75	Resp:	150479
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 95.286 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

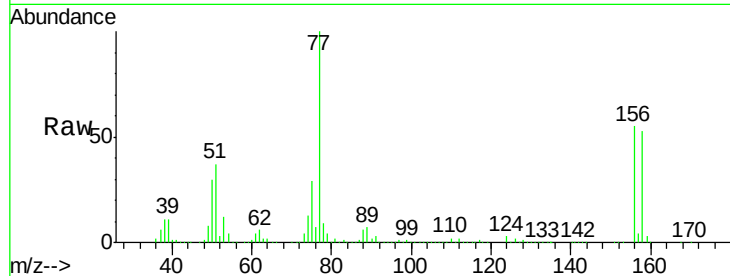
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	212.9	107.3	321.8
158	97.6	49.0	147.0

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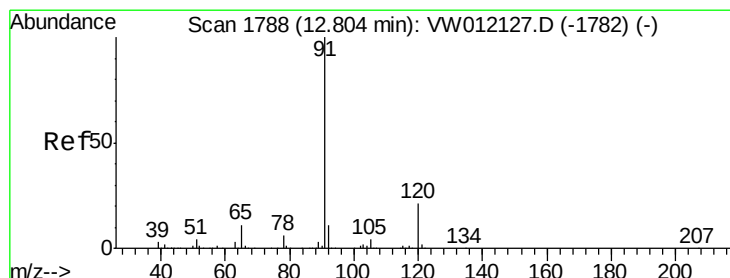
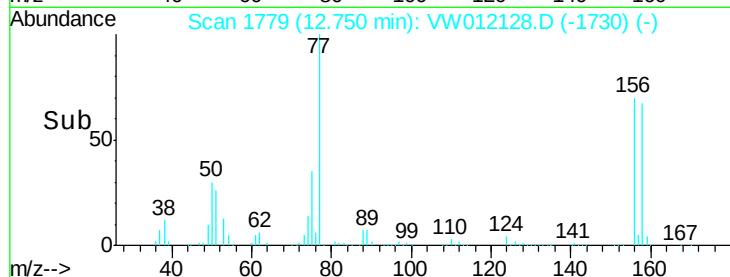
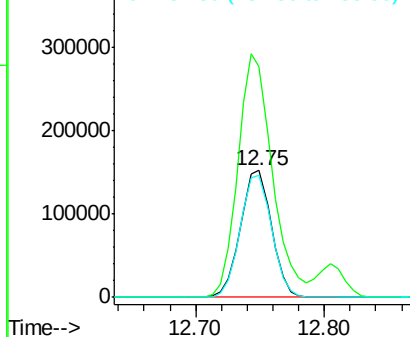


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 95.682 ug/l

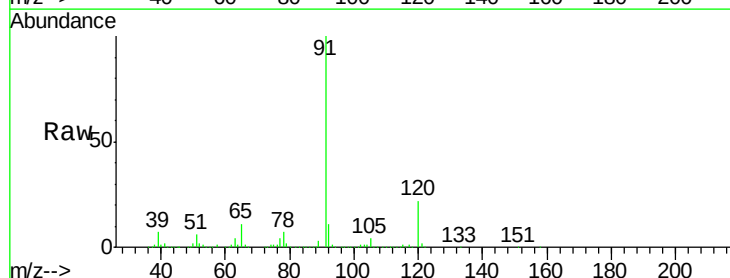
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

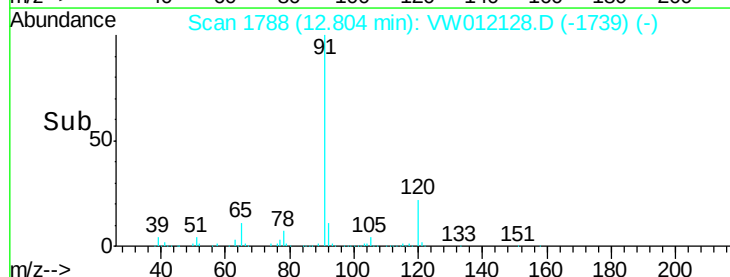
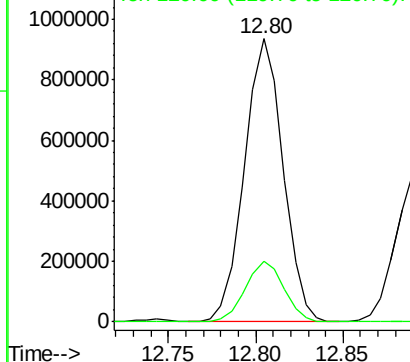
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.5	31.6

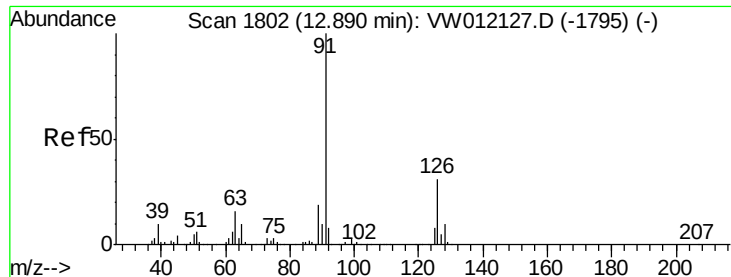


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 93.910 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 800260

Ion Ratio Lower Upper

91 100

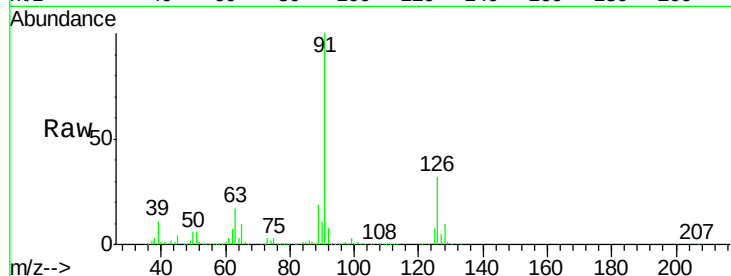
126 31.6 15.7 47.0

Manual Integrations

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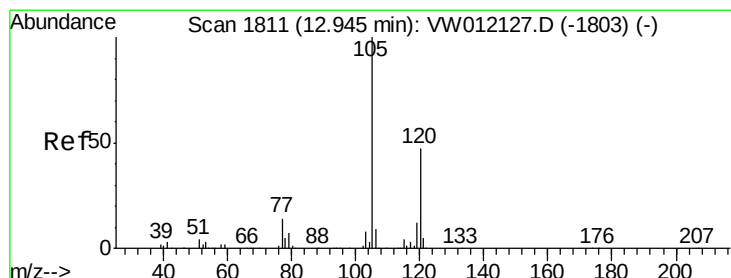
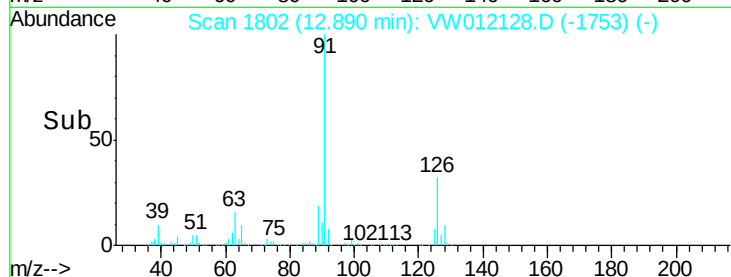
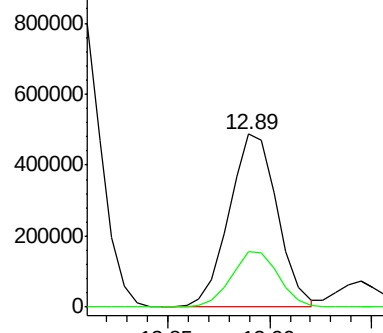
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 95.435 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012128.D

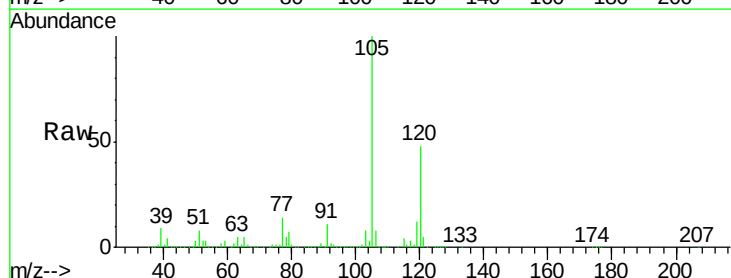
Acq: 23 Aug 2019 11:29

Tgt Ion:105 Resp: 980459

Ion Ratio Lower Upper

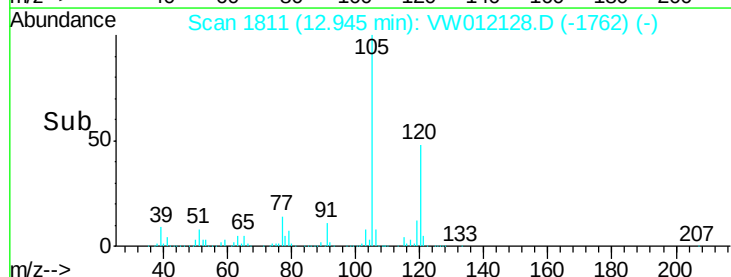
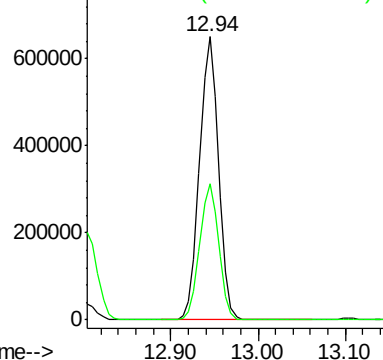
105 100

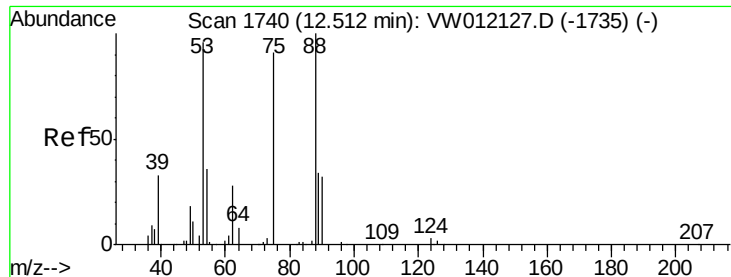
120 48.2 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 104.956 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

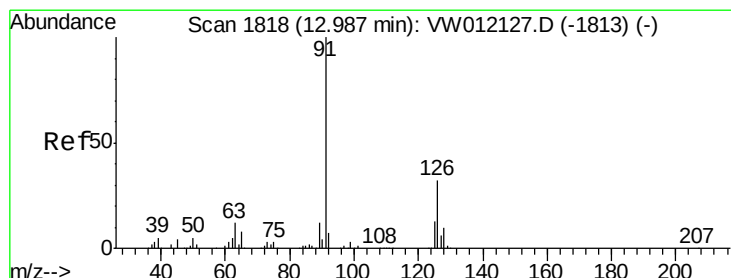
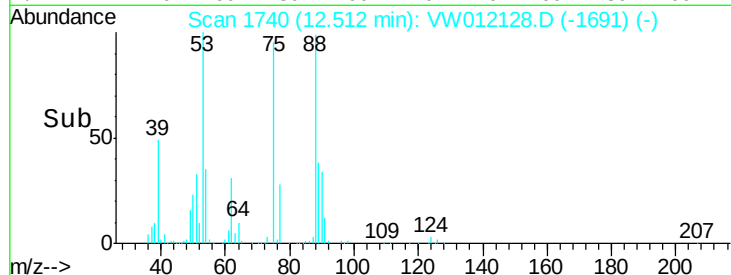
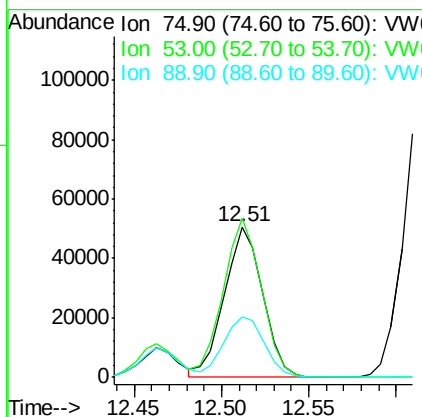
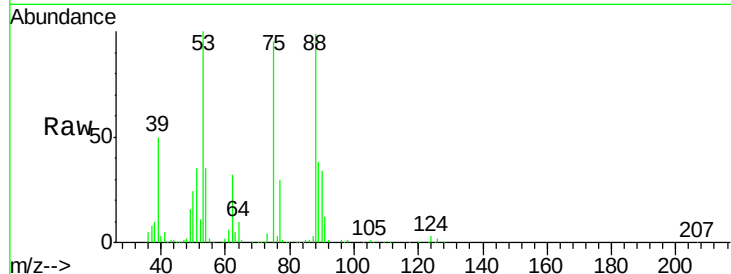
ClientSampled :

VSTDIC100

Tot Ion:	75	Resp:	76497
Ion Ratio	Lower	Upper	
75	100		
53	106.8	89.4	134.0
89	42.8	34.5	51.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 93.247 ug/l

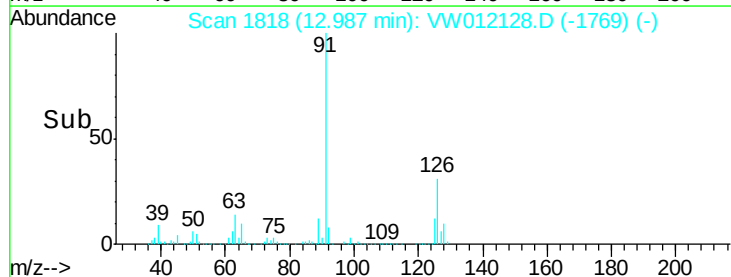
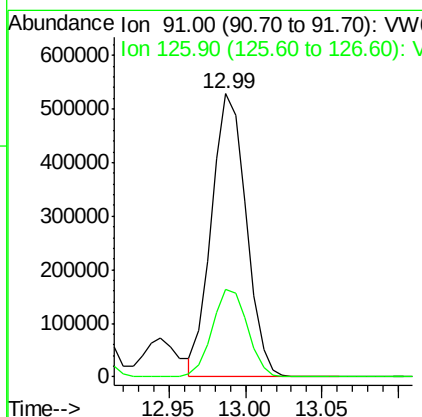
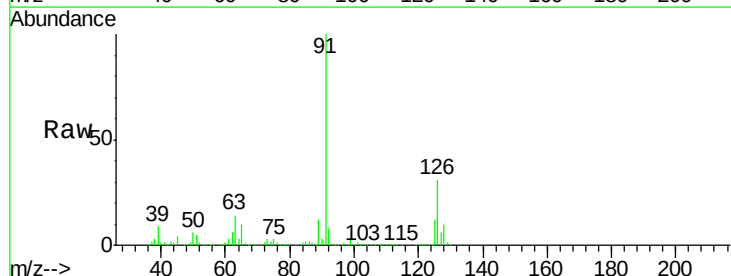
RT: 12.99 min Scan# 1818

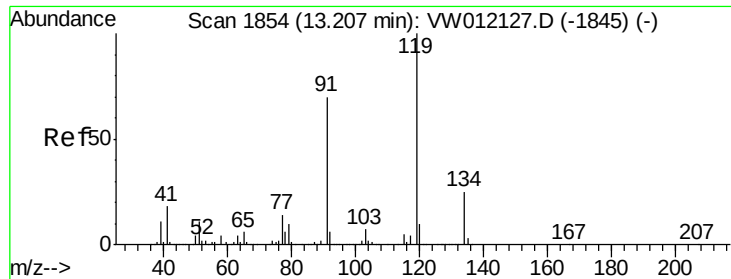
Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Tgt Ion:	91	Resp:	832011
Ion Ratio	Lower	Upper	
91	100		
126	31.6	15.6	46.8





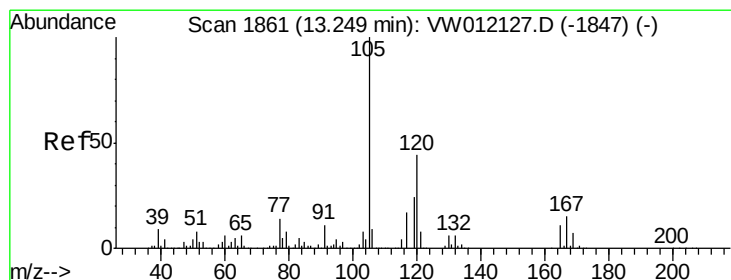
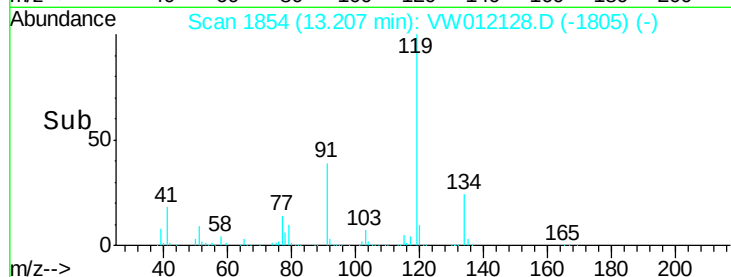
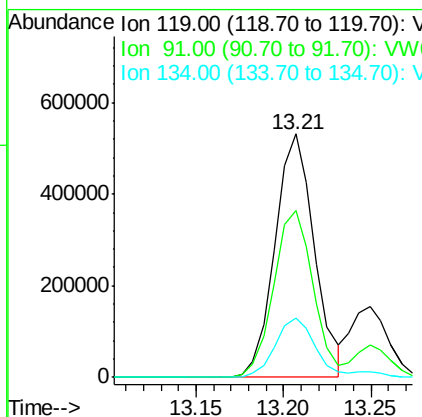
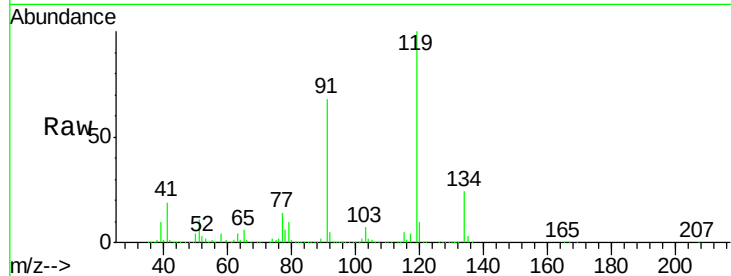
#83
 tert-Butylbenzene
 Concen: 96.025 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.6	34.8	104.3
134	26.4	13.3	39.8

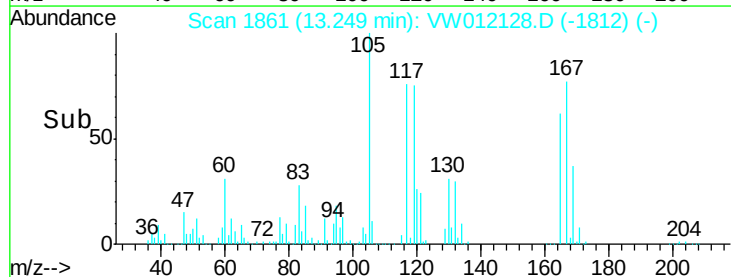
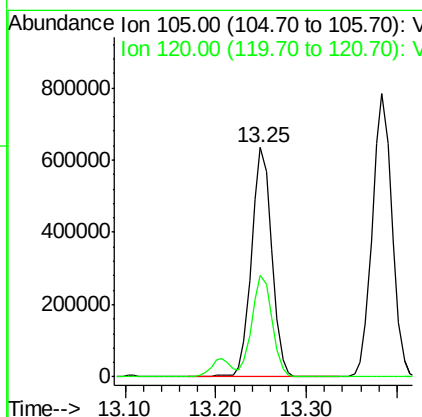
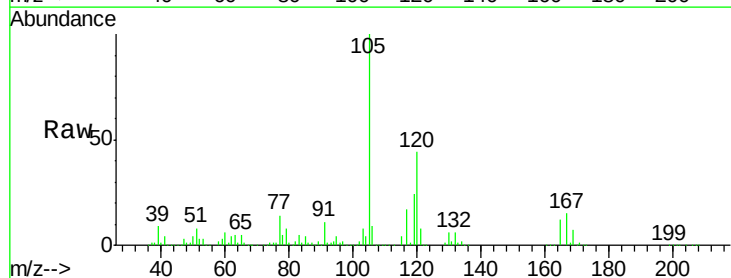
Manual Integrations
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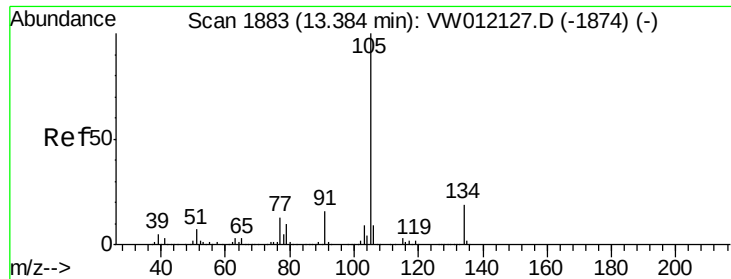
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#84
 1,2,4-Trimethylbenzene
 Concen: 95.023 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.9	65.7





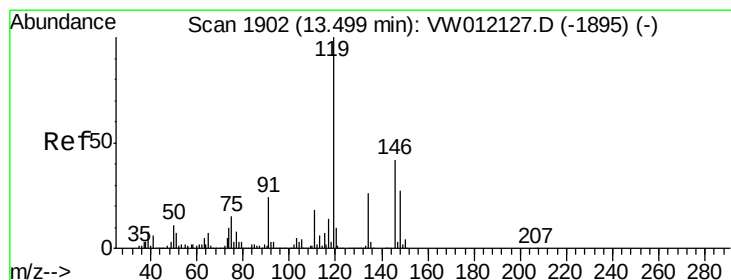
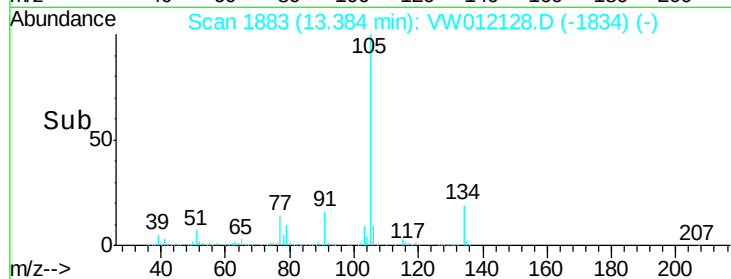
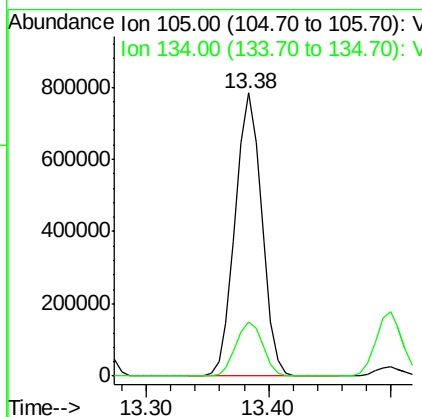
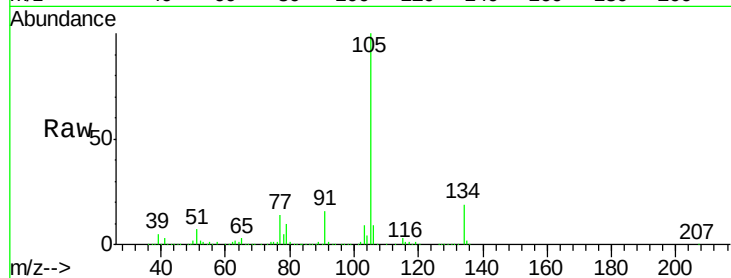
#85
 sec-Butylbenzene
 Concen: 94.461 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1177733
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.4

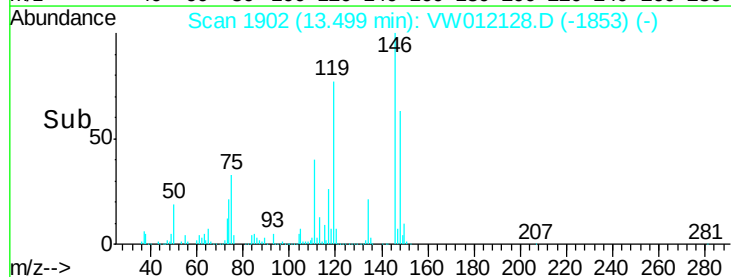
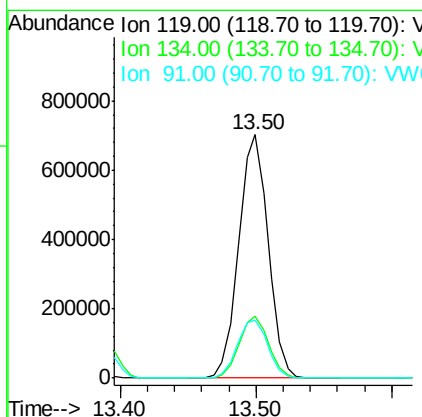
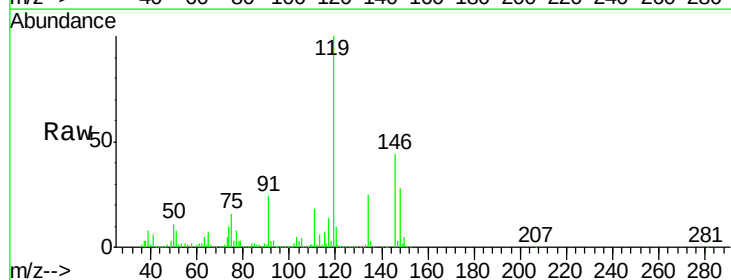
Manual Integrations
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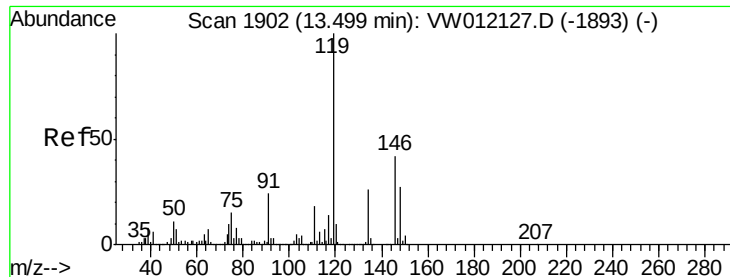
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#86
 p-Isopropyltoluene
 Concen: 94.773 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Tgt Ion:119 Resp: 1055262
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 24.7 12.3 36.9





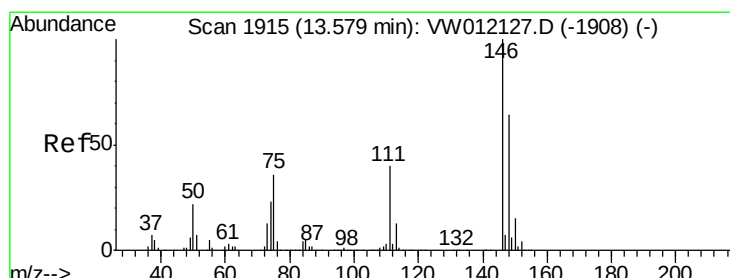
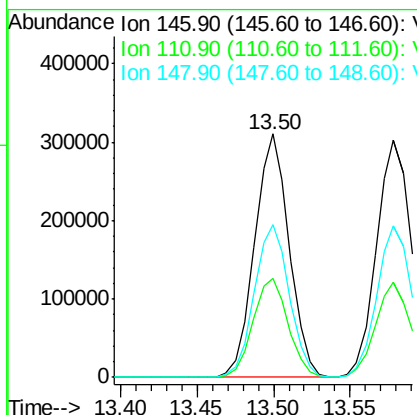
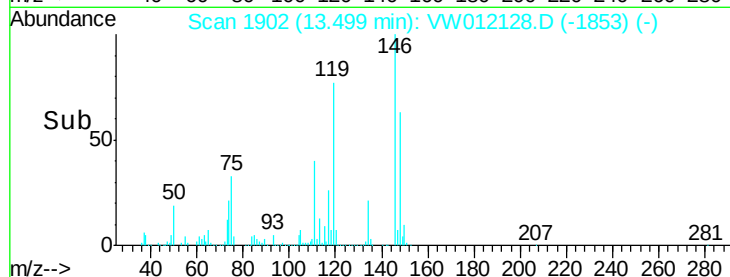
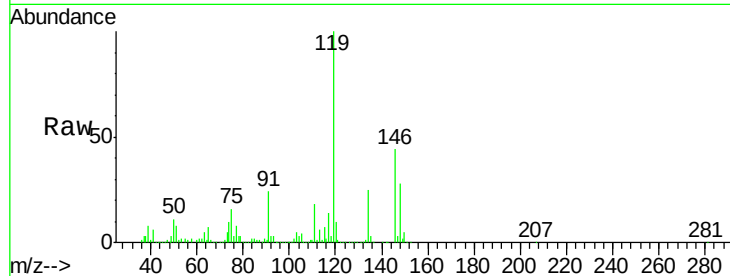
#87
 1,3-Dichlorobenzene
 Concen: 93.591 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	486914		
111	41.4	20.9	62.7	
148	63.5	32.2	96.6	

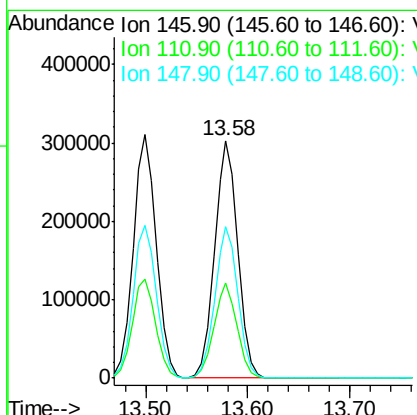
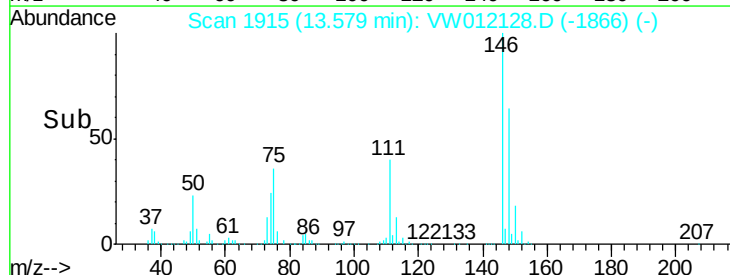
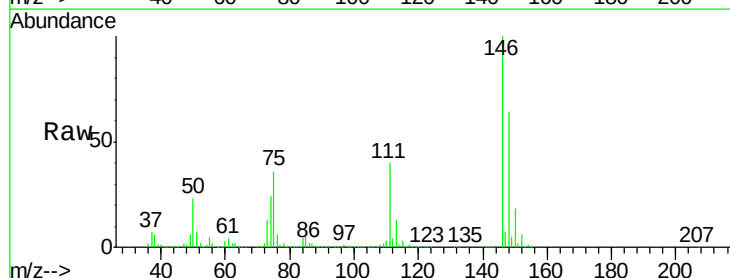
Manual Integrations
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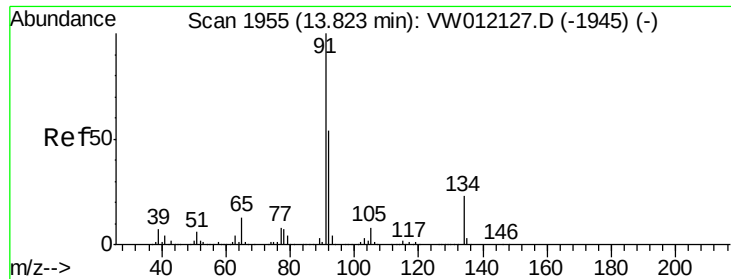
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#88
 1,4-Dichlorobenzene
 Concen: 92.739 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	479070		
111	40.2	20.0	60.0	
148	63.7	32.1	96.3	





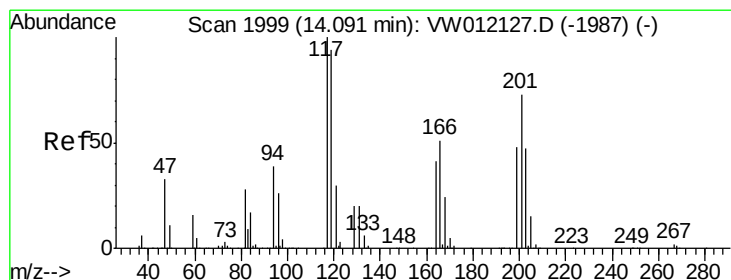
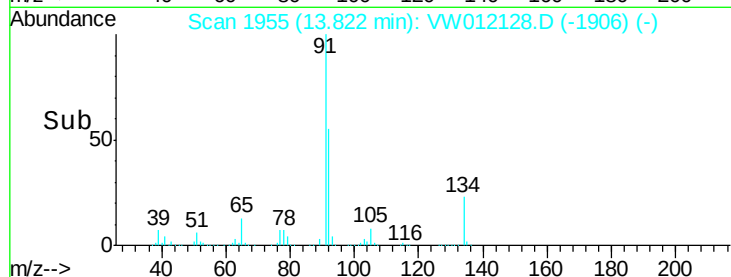
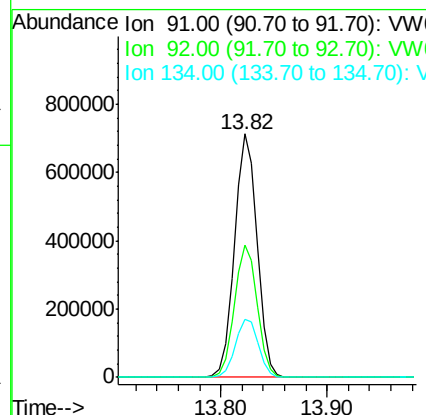
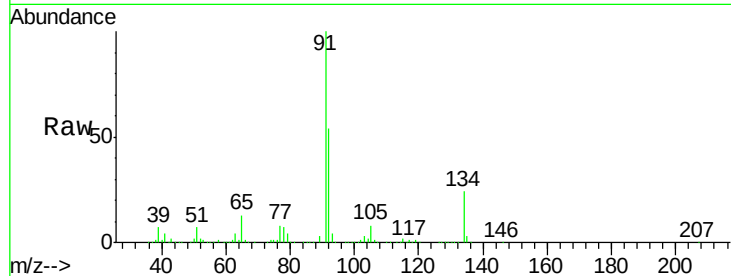
#89
n-Butylbenzene
Concen: 95.672 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1059345
Ion Ratio Lower Upper
91 100
92 54.6 27.1 81.2
134 24.5 12.2 36.4

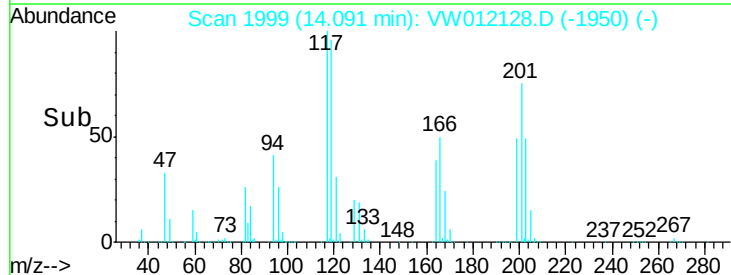
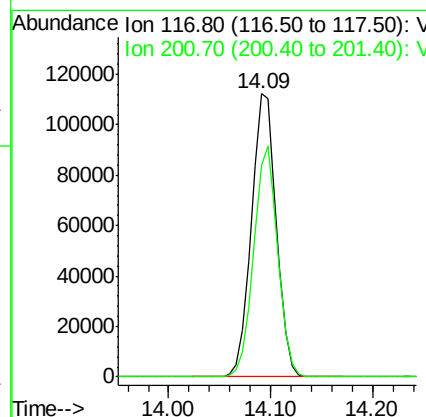
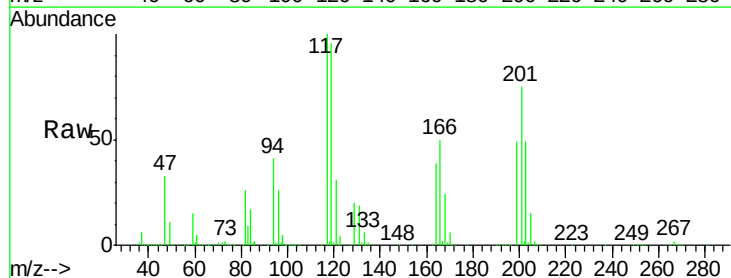
Manual Integrations
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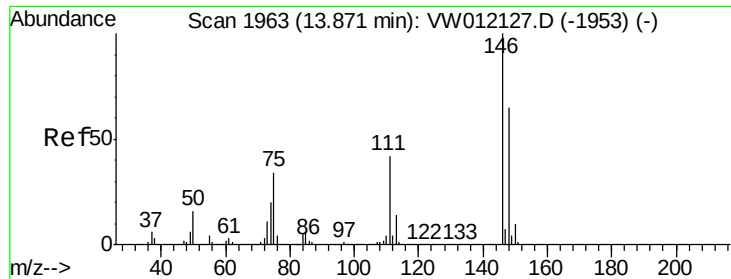
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#90
Hexachloroethane
Concen: 97.907 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion: 117 Resp: 191264
Ion Ratio Lower Upper
117 100
201 78.6 38.6 115.7





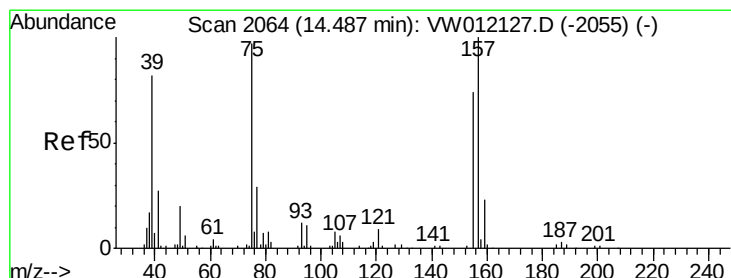
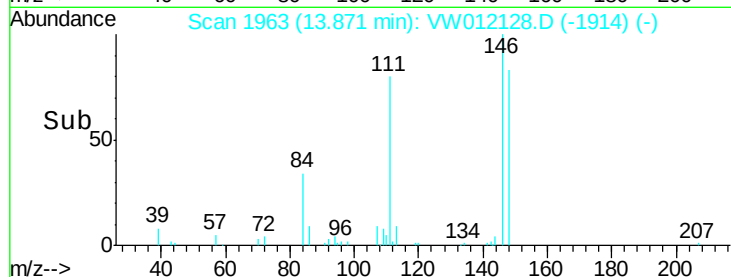
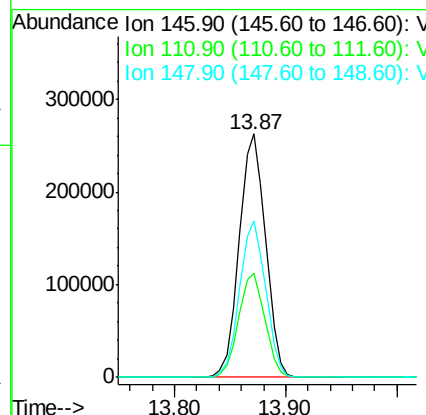
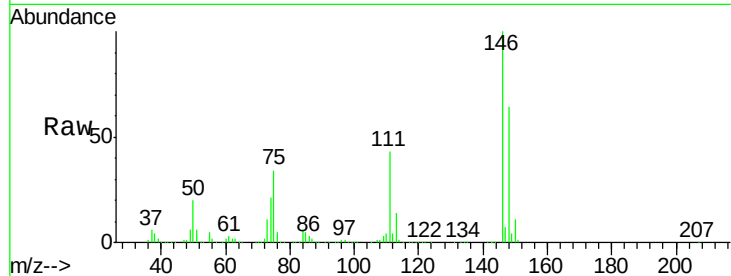
#91
 1,2-Dichlorobenzene
 Concen: 94.295 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	430366		
111	42.7	21.2	63.6	
148	63.6	32.5	97.4	

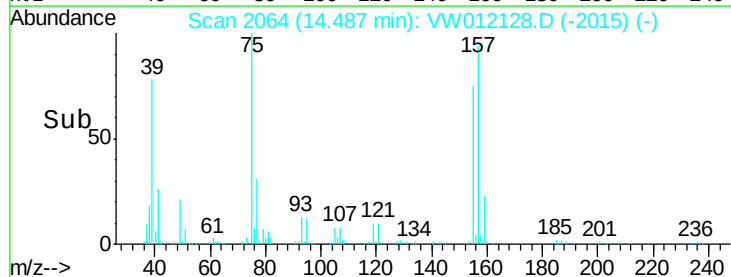
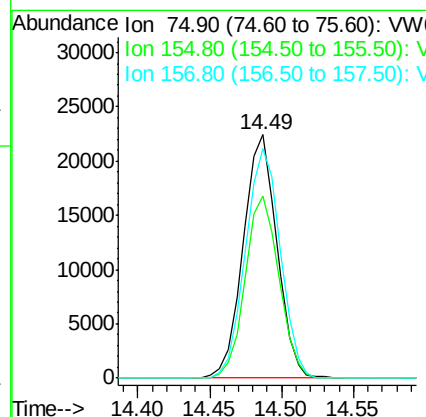
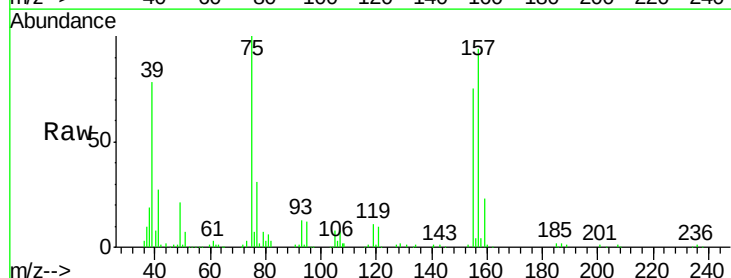
Manual Integrations
 APPROVED

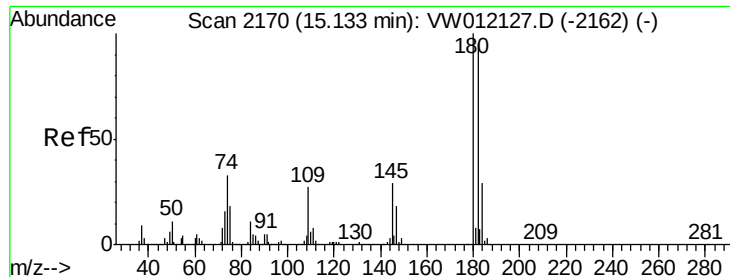
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 95.903 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	36442		
155	74.8	37.5	112.3	
157	97.2	50.5	151.5	





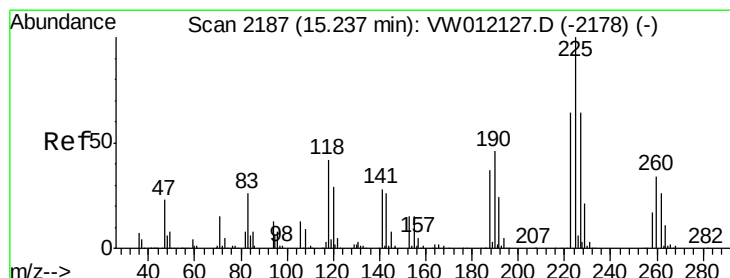
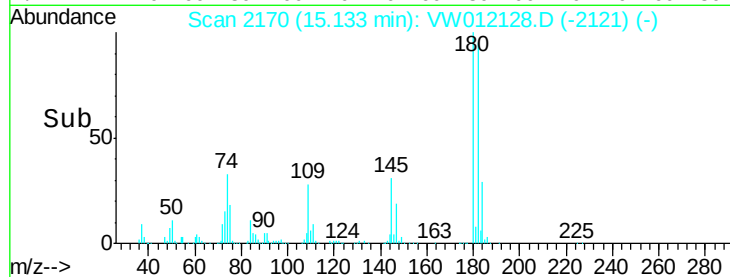
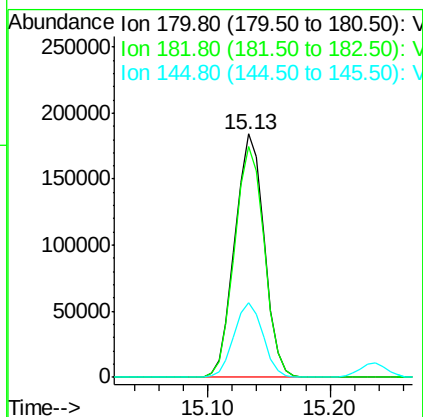
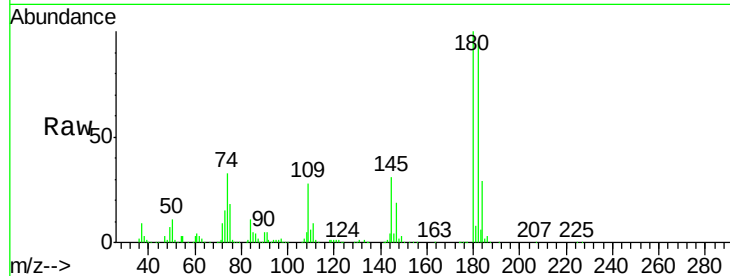
#93
 1,2,4-Trichlorobenzene
 Concen: 96.592 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.1	47.8	143.4	
145	30.6	15.0	45.1	

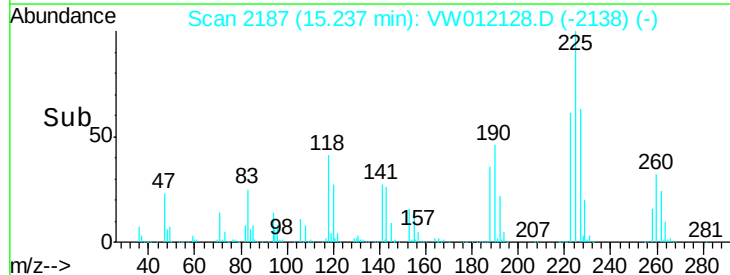
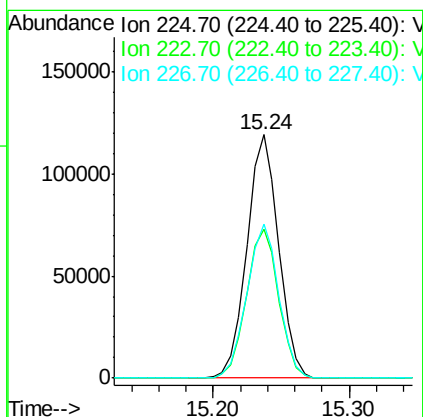
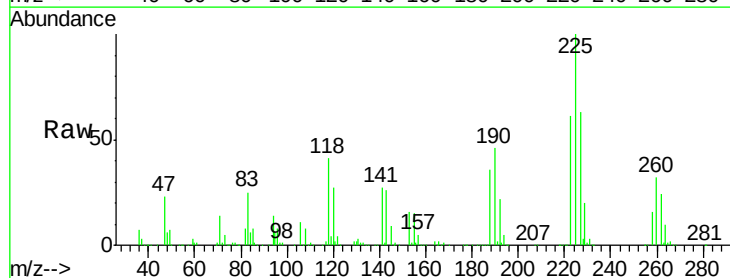
Manual Integrations
 APPROVED

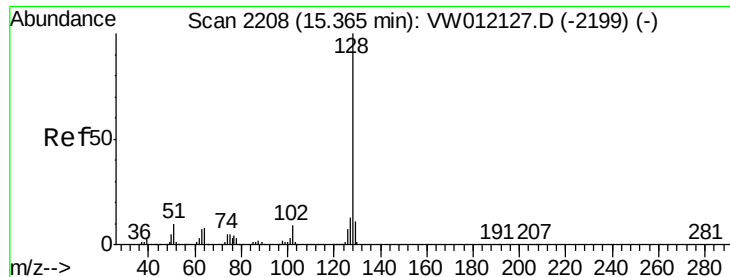
MMDadoda
 8/26/2019 11:39:11 AM



#94
 Hexachlorobutadiene
 Concen: 93.083 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	32.3	96.8	
227	63.8	32.9	98.6	





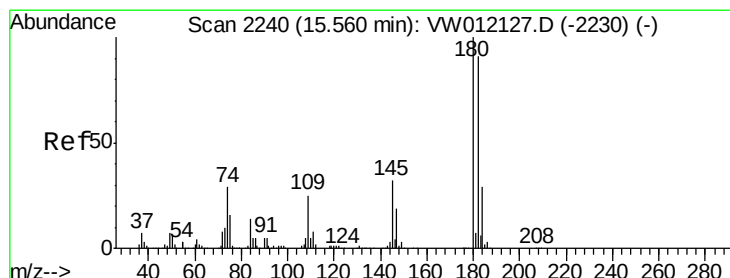
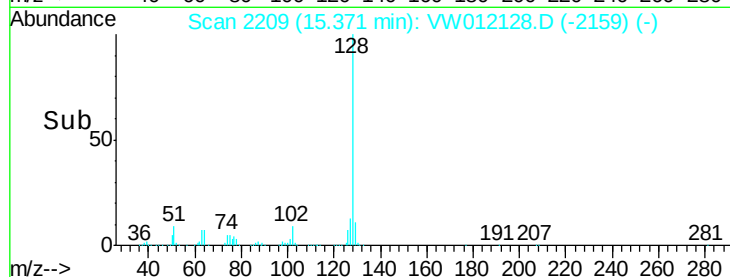
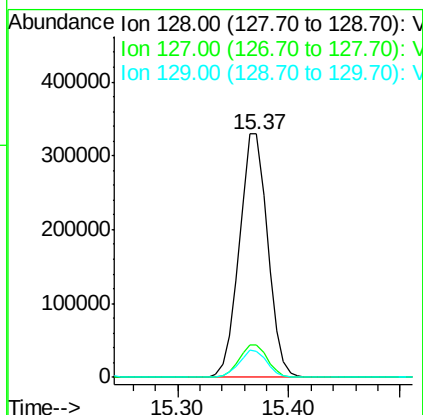
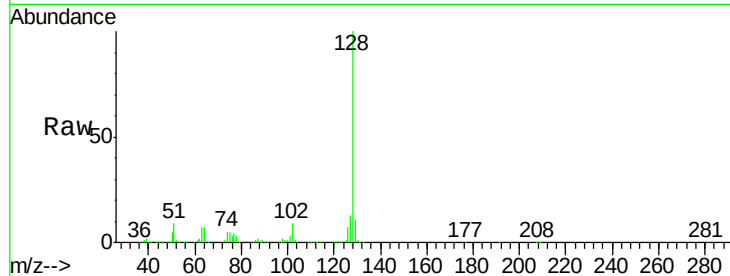
#95
Naphthalene
Concen: 105.631 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	583395		
127	13.4		10.7	16.1
129	11.0		8.7	13.1

Manual Integrations
APPROVED

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8/26/2019 11:39:11 AM



#96
1,2,3-Trichlorobenzene
Concen: 98.862 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	272047		
182	94.0		47.1	141.3
145	32.0		16.2	48.5

