

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\
 Data File : VW013665.D
 Acq On : 23 Oct 2019 13:08
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 23 13:56:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 13:51:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	327724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	466460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	406627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	204784	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	254426	99.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.94%	
35) Dibromofluoromethane	7.88	113	267364	101.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.96%	
50) Toluene-d8	10.32	98	1107132	100.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.46%	
62) 4-Bromofluorobenzene	12.62	95	368190	99.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	166606	144.843	ug/l	99
3) Chloromethane	2.21	50	178026	95.078	ug/l	96
4) Vinyl Chloride	2.37	62	274194	98.148	ug/l	97
5) Bromomethane	2.78	94	180355	106.779	ug/l	97
6) Chloroethane	2.92	64	170142	106.685	ug/l	99
7) Trichlorofluoromethane	3.26	101	173533	126.461	ug/l	97
8) Diethyl Ether	3.68	74	142651	102.873	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	274622	99.685	ug/l	99
10) Methyl Iodide	4.28	142	467025	106.352	ug/l	100
11) Tert butyl alcohol	5.21	59	70600	343.177	ug/l	97
12) 1,1-Dichloroethene	4.04	96	292967	102.423	ug/l	97
13) Acrolein	3.90	56	90277	458.873	ug/l	100
14) Allyl chloride	4.67	41	456855	103.877	ug/l	100
15) Acrylonitrile	5.37	53	290555	457.798	ug/l	98
16) Acetone	4.13	43	279958	481.140	ug/l	95
17) Carbon Disulfide	4.38	76	863748	107.201	ug/l	100
18) Methyl Acetate	4.67	43	138977	83.757	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	349434	83.562	ug/l	97
20) Methylene Chloride	4.92	84	293862	90.278	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	315588	103.516	ug/l	94
22) Diisopropyl ether	6.31	45	835276	101.621	ug/l	96
23) Vinyl Acetate	6.25	43	2486118	506.462	ug/l	100
24) 1,1-Dichloroethane	6.21	63	524209	103.652	ug/l	99
25) 2-Butanone	7.17	43	387123	453.457	ug/l	96
26) 2,2-Dichloropropane	7.16	77	279225	87.594	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	339052	104.946	ug/l	99
28) Bromochloromethane	7.51	49	196491	108.848	ug/l	98
29) Tetrahydrofuran	7.53	42	233034	447.135	ug/l	100
30) Chloroform	7.68	83	510646	104.511	ug/l	99
31) Cyclohexane	7.95	56	515957	96.795	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	406349	102.803	ug/l	99
36) 1,1-Dichloropropene	8.08	75	429531	101.245	ug/l	99
37) Ethyl Acetate	7.25	43	162015	86.347	ug/l	99
38) Carbon Tetrachloride	8.07	117	392626	104.613	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 13:51:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	566657	103.030	ug/l	99
40) Benzene	8.32	78	1226632	103.346	ug/l	99
41) Methacrylonitrile	7.48	41	110321	102.798	ug/l	92
42) 1,2-Dichloroethane	8.40	62	310034	103.293	ug/l	100
43) Isopropyl Acetate	8.42	43	319950	93.521	ug/l	100
44) Trichloroethene	9.09	130	352352	104.033	ug/l	98
45) 1,2-Dichloropropane	9.37	63	299963	105.178	ug/l	100
46) Dibromomethane	9.46	93	143462	101.302	ug/l	99
47) Bromodichloromethane	9.64	83	381243	107.756	ug/l	99
48) Methyl methacrylate	9.43	41	164752	97.194	ug/l	99
49) 1,4-Dioxane	9.46	88	40167	1666.568	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	793570	444.367	ug/l	100
52) Toluene	10.38	92	792623	103.627	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	394856	107.700	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	480600	107.874	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	212934	100.463	ug/l	99
56) Ethyl methacrylate	10.65	69	284717	101.011	ug/l	99
57) 1,3-Dichloropropane	10.93	76	366334	100.518	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	656751	495.521	ug/l	99
59) 2-Hexanone	10.97	43	569101	465.835	ug/l	99
60) Dibromochloromethane	11.13	129	263106	107.857	ug/l	99
61) 1,2-Dibromoethane	11.23	107	204655	101.447	ug/l	100
64) Tetrachloroethene	10.86	164	306781	101.825	ug/l	98
65) Chlorobenzene	11.66	112	823571	101.370	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	296965	104.973	ug/l	98
67) Ethyl Benzene	11.73	91	1496657	100.690	ug/l	99
68) m/p-Xylenes	11.84	106	1151796	203.698	ug/l	99
69) o-Xylene	12.16	106	539798	103.136	ug/l	97
70) Styrene	12.18	104	937991	104.440	ug/l	100
71) Bromoform	12.35	173	154802	100.595	ug/l #	98
73) Isopropylbenzene	12.46	105	1492147	101.518	ug/l	99
74) N-amyl acetate	12.27	43	289916	91.861	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	225834	91.230	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	290790	172.835	ug/l #	100
77) Bromobenzene	12.74	156	349592	100.019	ug/l	99
78) n-propylbenzene	12.80	91	1696749	99.785	ug/l	100
79) 2-Chlorotoluene	12.89	91	957289	100.304	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1224277	99.761	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	81089	98.217	ug/l	97
82) 4-Chlorotoluene	12.99	91	994735	100.187	ug/l	98
83) tert-Butylbenzene	13.21	119	1100346	100.973	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1221311	100.623	ug/l	99
85) sec-Butylbenzene	13.38	105	1498102	99.871	ug/l	99
86) p-Isopropyltoluene	13.50	119	1397768	101.165	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	676342	101.789	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	655541	100.669	ug/l	99
89) n-Butylbenzene	13.82	91	1275315	102.219	ug/l	99
90) Hexachloroethane	14.09	117	248284	104.321	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	579436	99.080	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	34112	86.980	ug/l	98

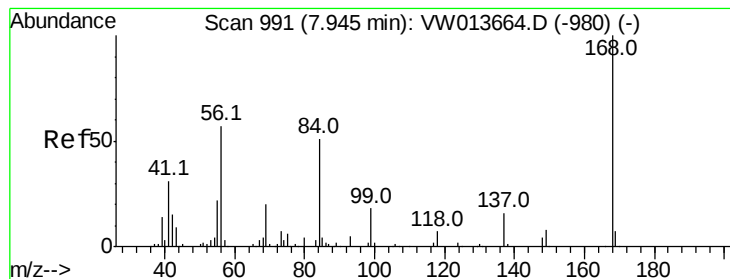
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	447057	107.612	ug/l	100
94) Hexachlorobutadiene	15.24	225	290413	105.233	ug/l	99
95) Naphthalene	15.36	128	727525	102.386	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	386616	106.366	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: VW013665.D

Acq: 23 Oct 2019 13:08

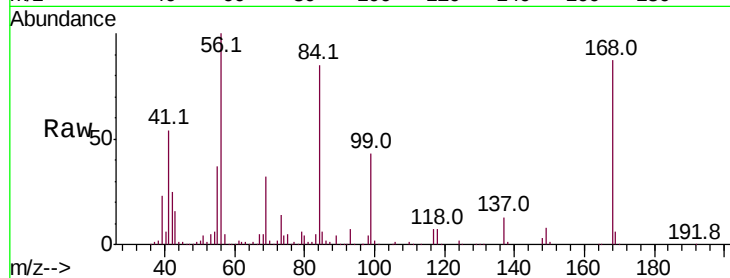
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 327724

Ion Ratio Lower Upper

168 100

99 49.0 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

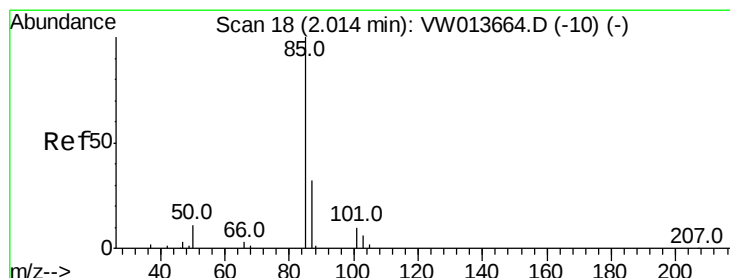
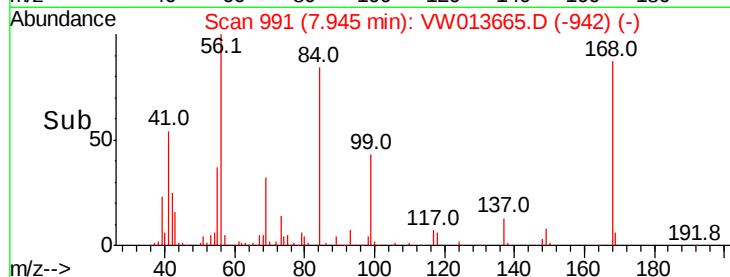
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 144.843 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013665.D

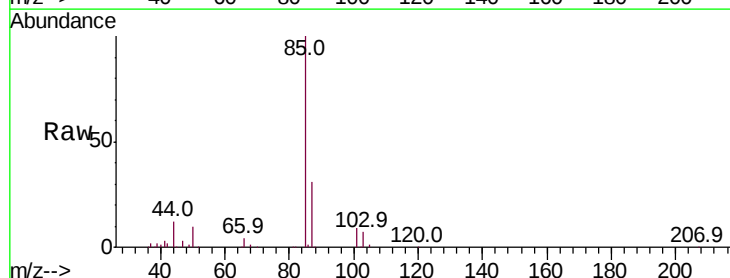
Acq: 23 Oct 2019 13:08

Tgt Ion: 85 Resp: 166606

Ion Ratio Lower Upper

85 100

87 31.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

60000

50000

40000

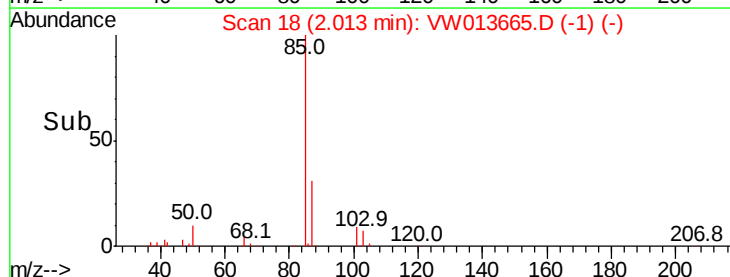
30000

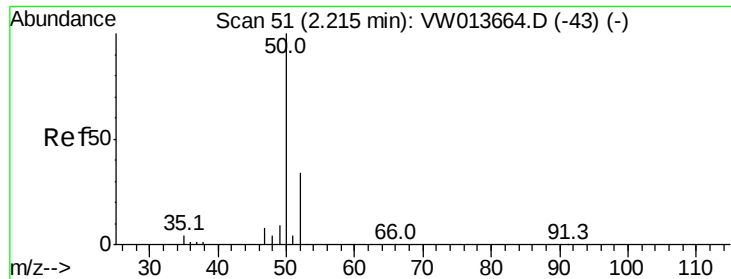
20000

10000

0

Time--> 2.00 2.20





#3

Chloromethane

Concen: 95.078 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

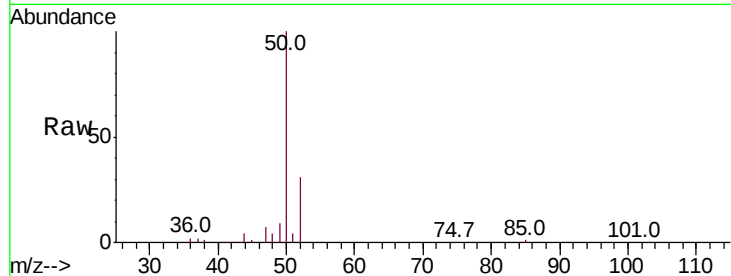
ClientSampleId :

Tot Ion: 50 Resp: 178026

Ion Ratio Lower Upper

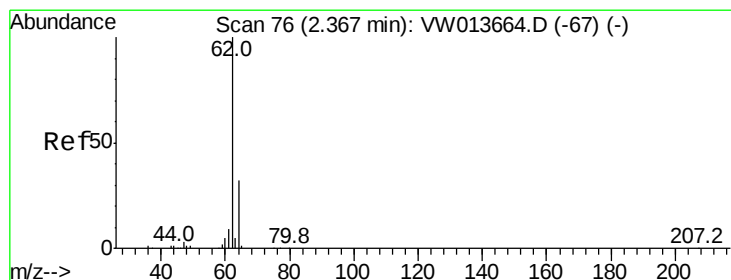
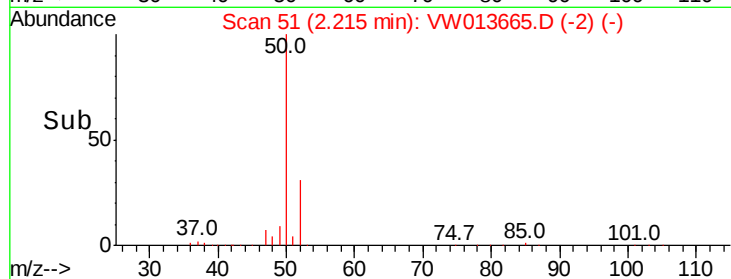
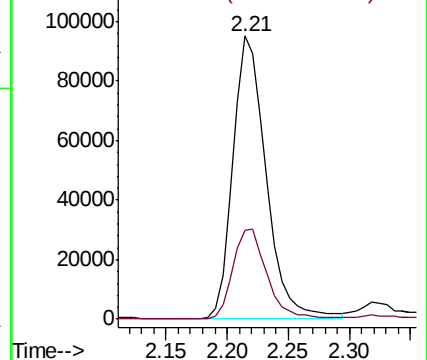
50 100

52 31.4 26.9 40.3



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 98.148 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013665.D

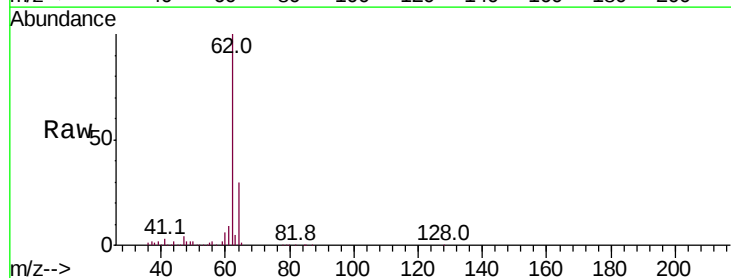
Acq: 23 Oct 2019 13:08

Tgt Ion: 62 Resp: 274194

Ion Ratio Lower Upper

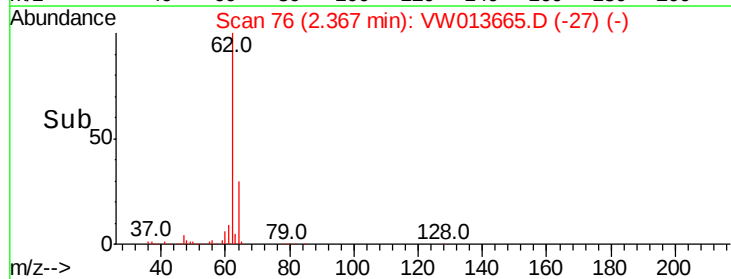
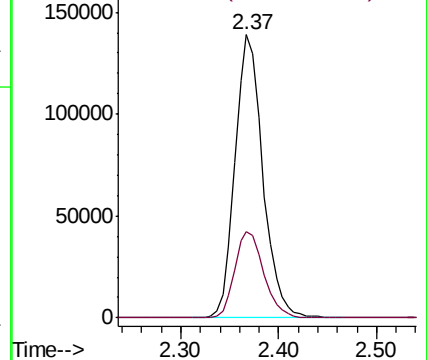
62 100

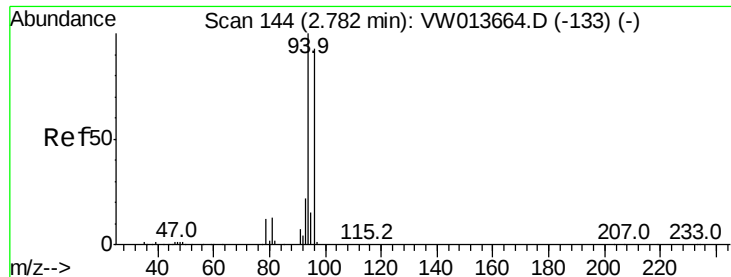
64 30.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 106.779 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

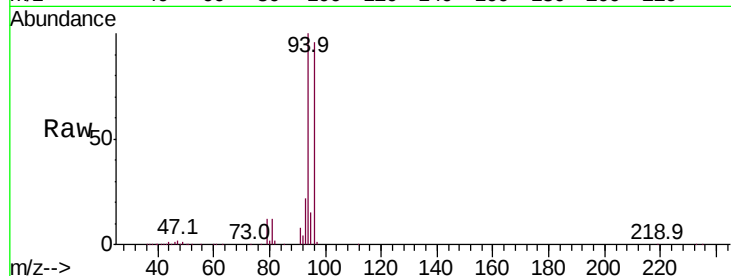
ClientSampleId :

Tot Ion: 94 Resp: 180355

Ion Ratio Lower Upper

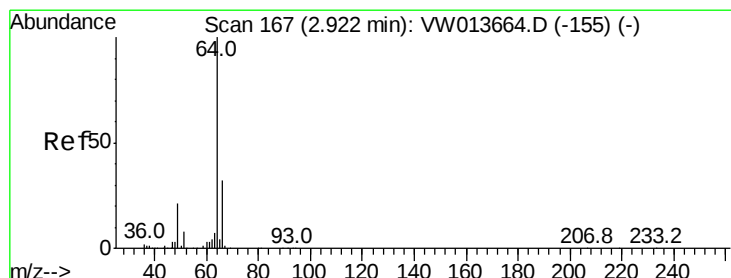
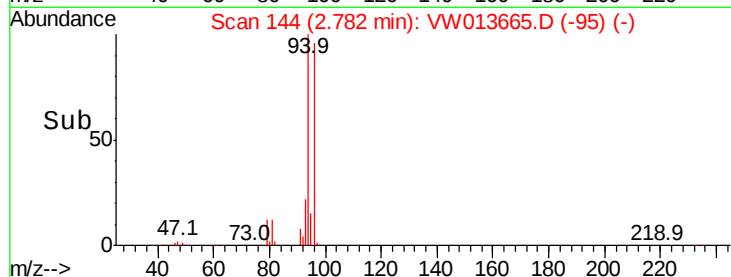
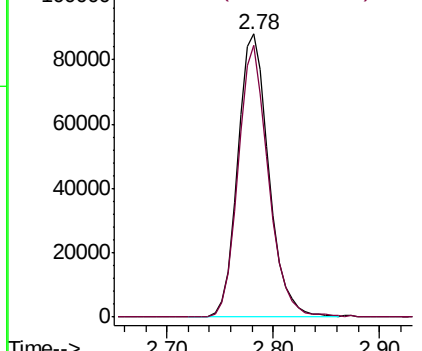
94 100

96 96.0 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 106.685 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013665.D

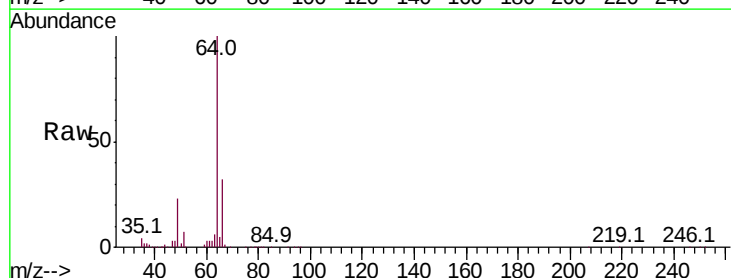
Acq: 23 Oct 2019 13:08

Tgt Ion: 64 Resp: 170142

Ion Ratio Lower Upper

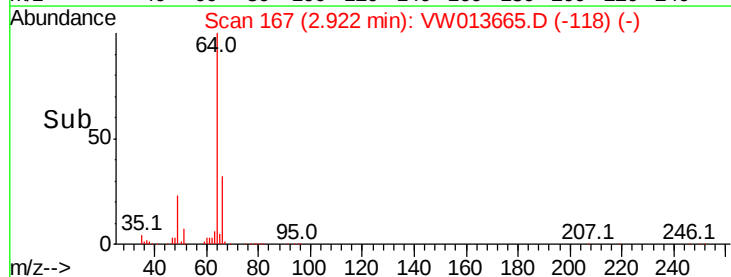
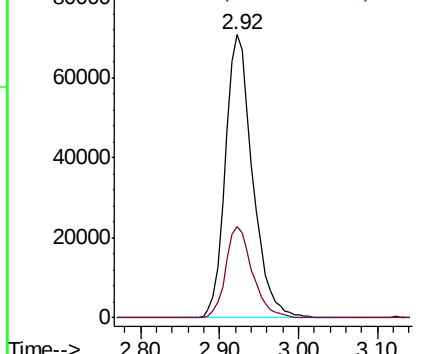
64 100

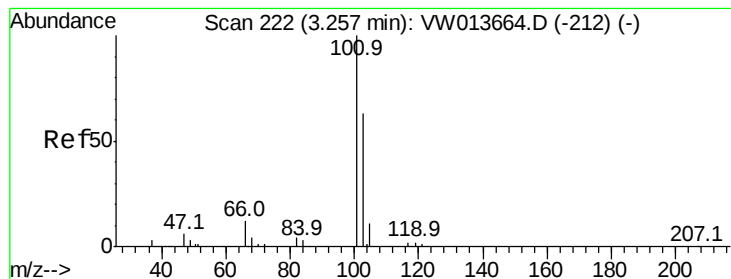
66 32.3 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



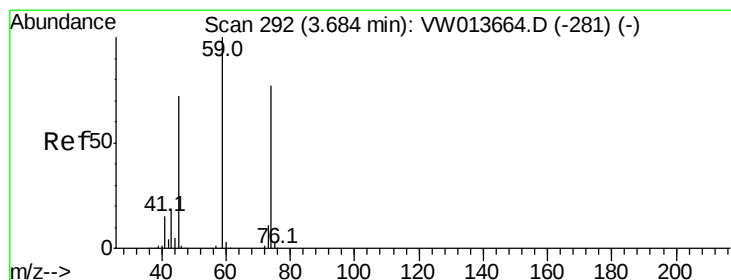
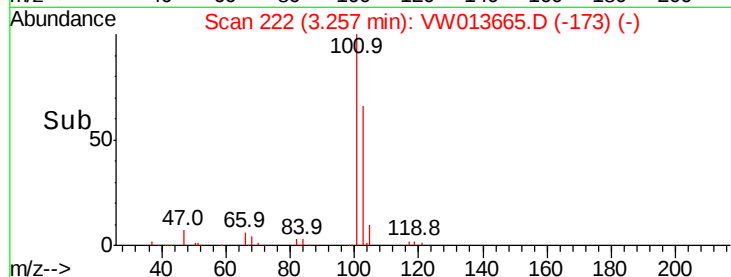
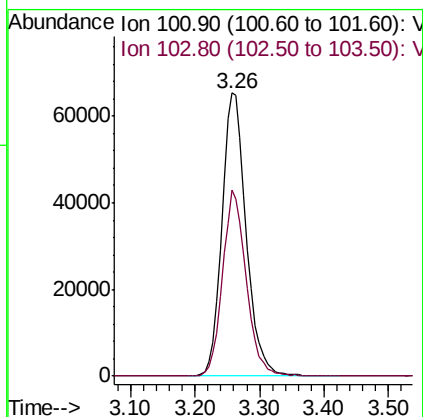
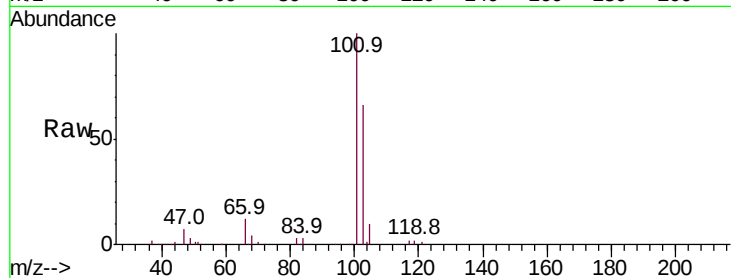


#7

Trichlorofluoromethane
 Concen: 126.461 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Instrument :
 MSVOA_W
 ClientSampleId :

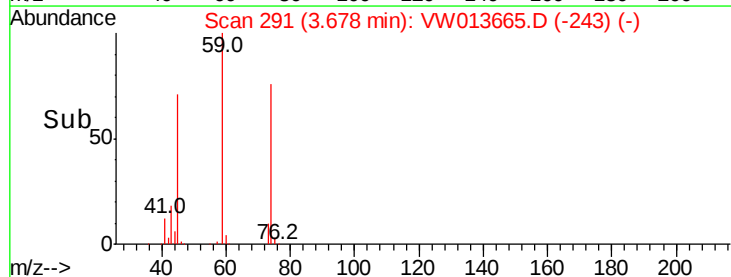
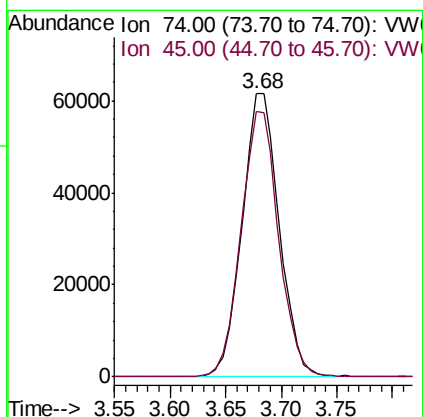
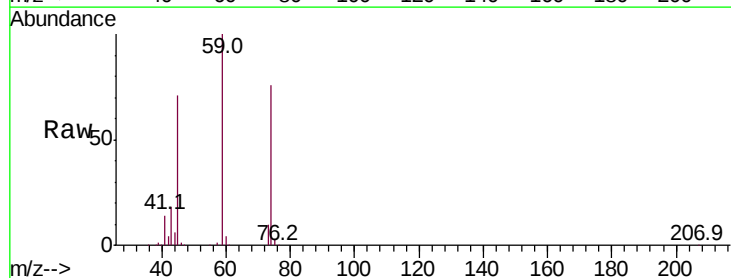
Tot Ion:101 Resp: 173533
 Ion Ratio Lower Upper
 101 100
 103 65.9 50.6 76.0

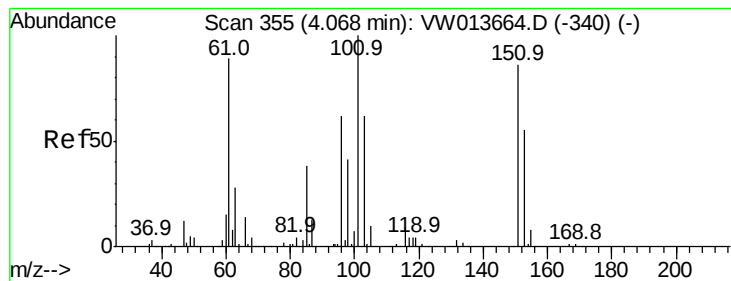


#8

Diethyl Ether
 Concen: 102.873 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Tgt Ion: 74 Resp: 142651
 Ion Ratio Lower Upper
 74 100
 45 95.2 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 99.685 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

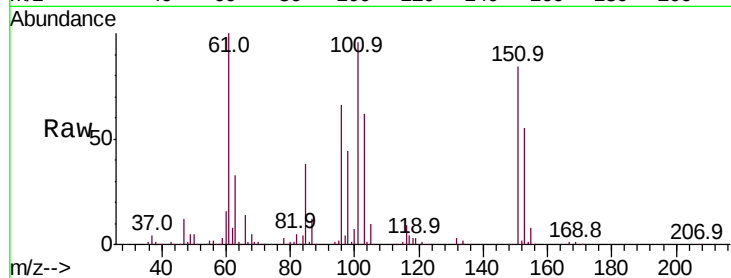
Tot Ion:101 Resp: 274622

Ion Ratio Lower Upper

101 100

85 40.4 31.0 46.6

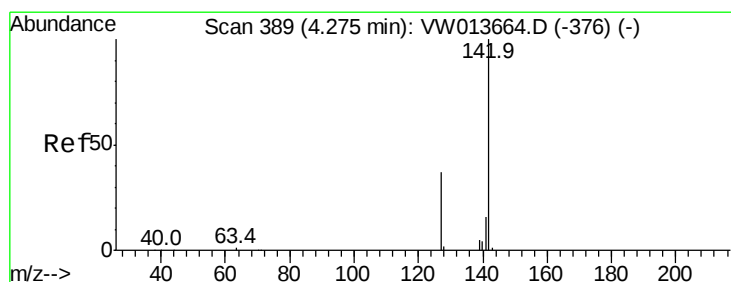
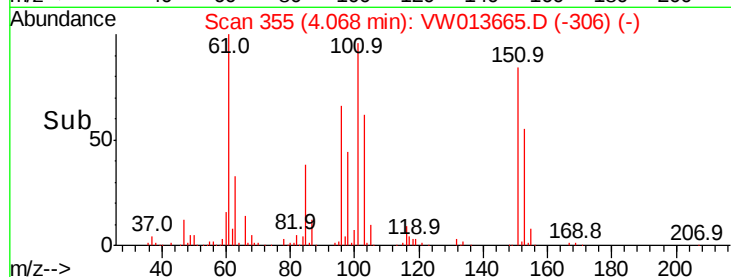
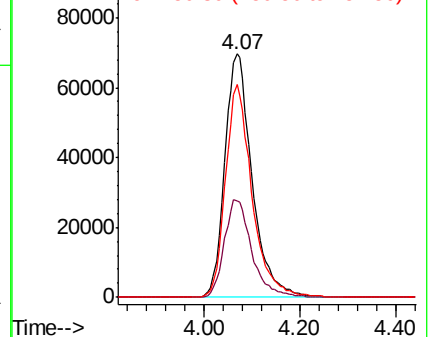
151 85.2 68.2 102.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 106.352 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

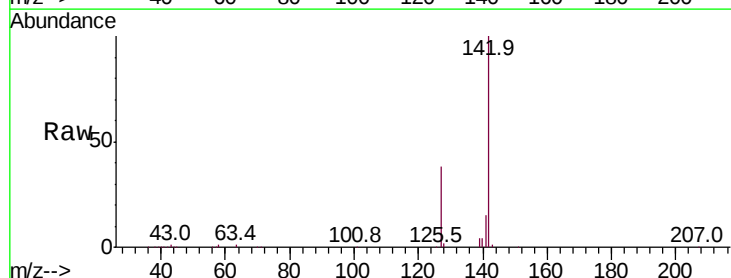
Tgt Ion:142 Resp: 467025

Ion Ratio Lower Upper

142 100

127 38.3 30.3 45.5

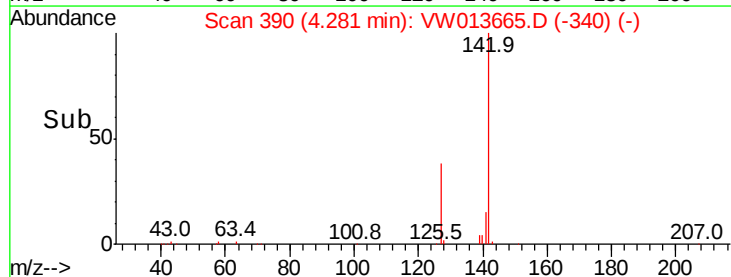
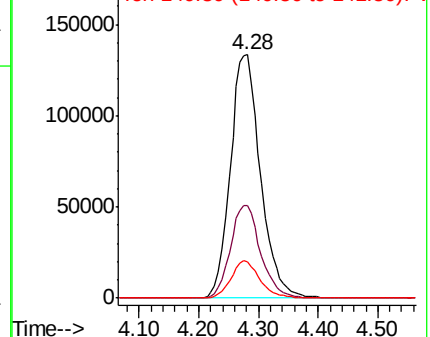
141 14.8 11.8 17.8

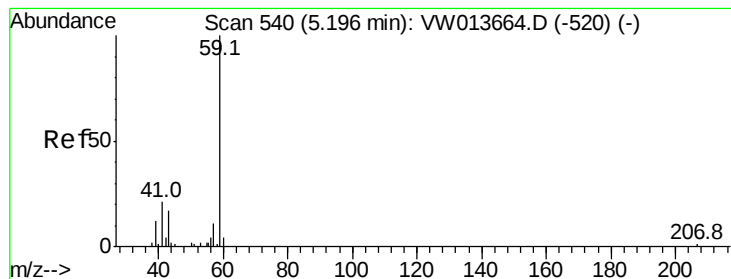


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



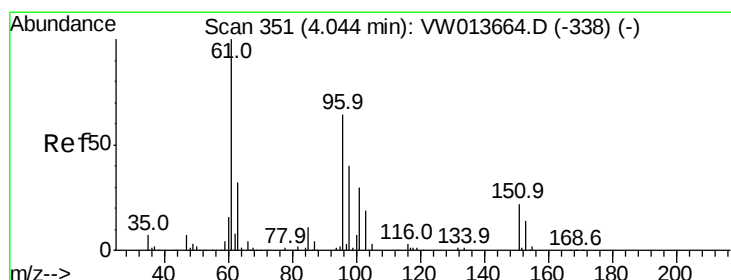
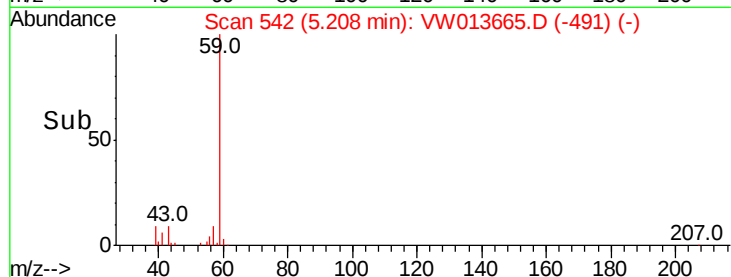
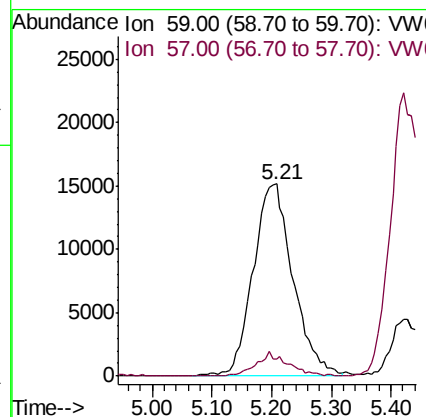
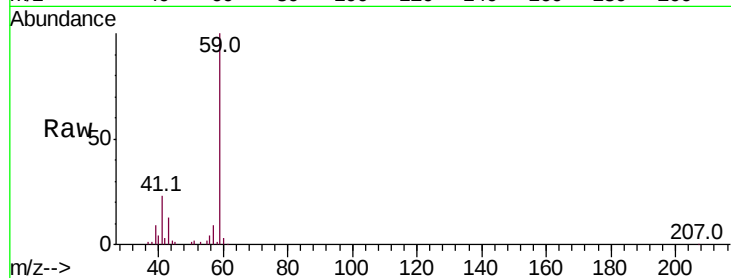


#11

Tert butyl alcohol
Concen: 343.177 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.01 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampled :

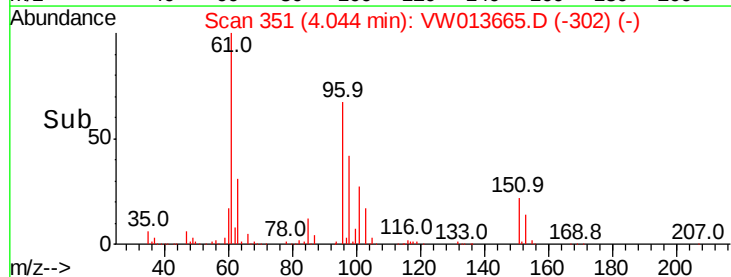
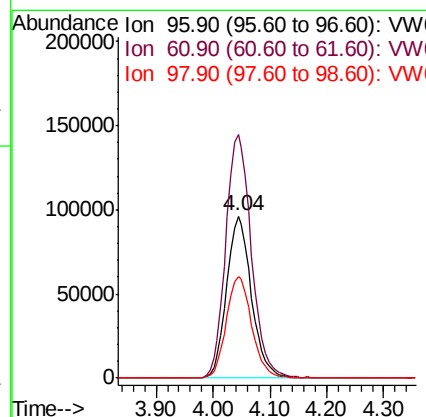
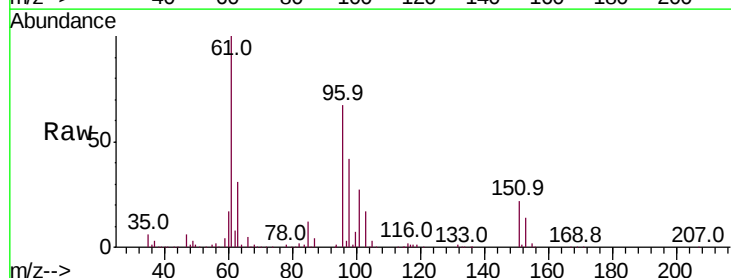
Tot Ion: 59 Resp: 70600
Ion Ratio Lower Upper
59 100
57 9.7 8.8 13.2

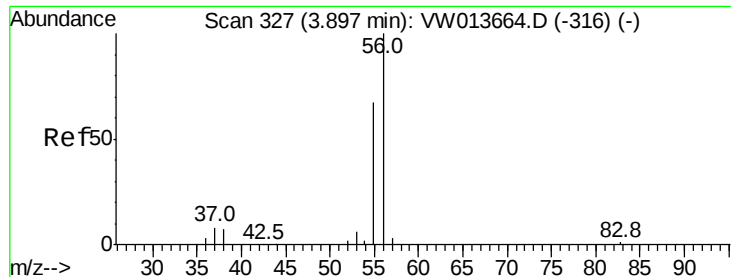


#12

1,1-Dichloroethene
Concen: 102.423 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion: 96 Resp: 292967
Ion Ratio Lower Upper
96 100
61 150.0 125.0 187.6
98 62.9 50.3 75.5

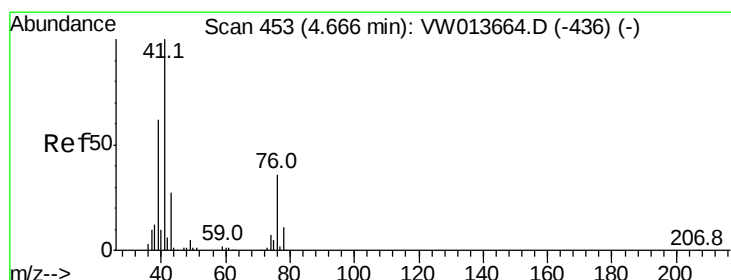
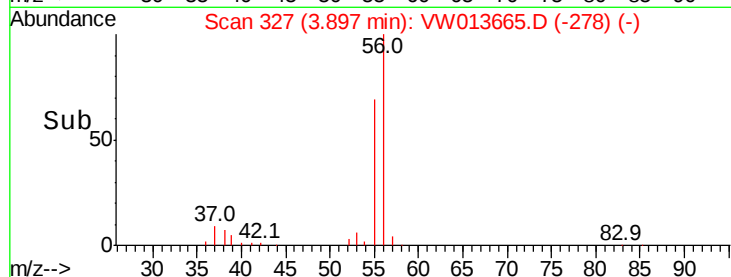
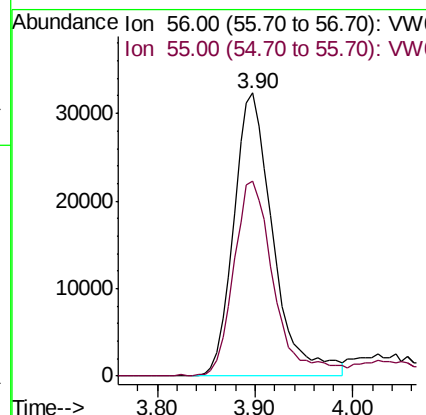
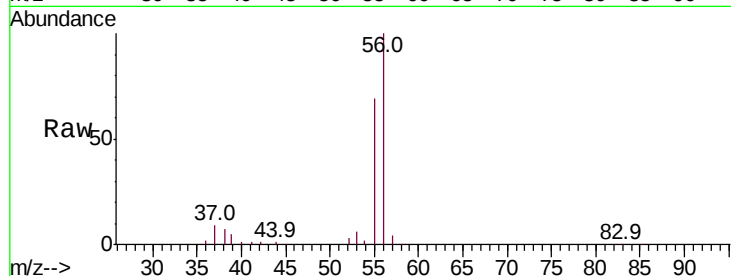




#13
Acrolein
Concen: 458.873 ug/l
RT: 3.90 min Scan# 327
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

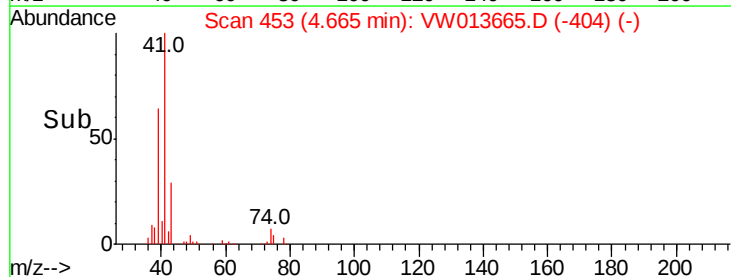
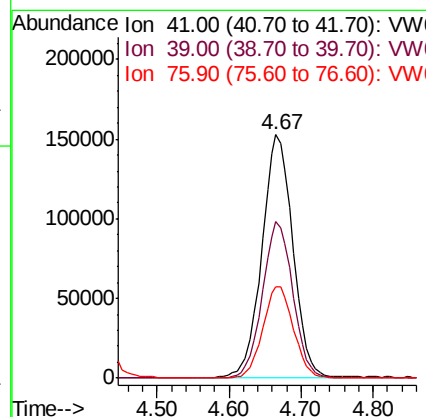
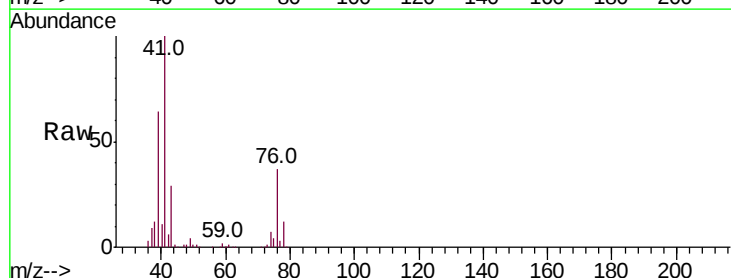
Instrument :
MSVOA_W
ClientSampleId :

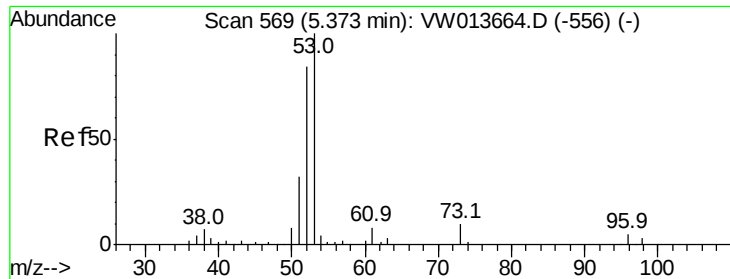
Tot Ion: 56 Resp: 90277
Ion Ratio Lower Upper
56 100
55 69.7 56.1 84.1



#14
Allyl chloride
Concen: 103.877 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion: 41 Resp: 456855
Ion Ratio Lower Upper
41 100
39 63.0 50.0 75.0
76 37.0 29.6 44.4





#15

Acrylonitrile

Concen: 457.798 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :

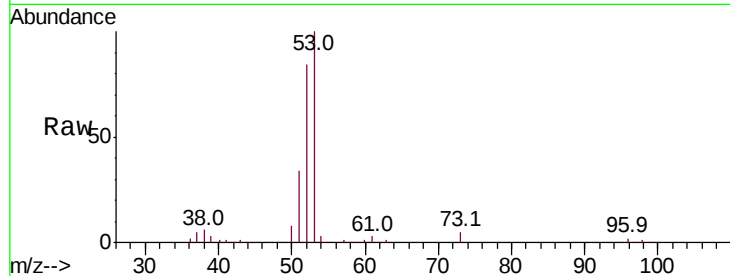
Tot Ion: 53 Resp: 290555

Ion Ratio Lower Upper

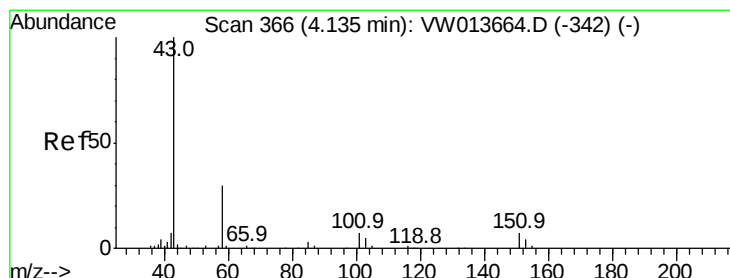
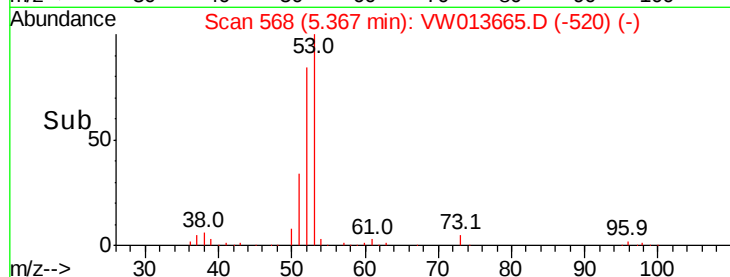
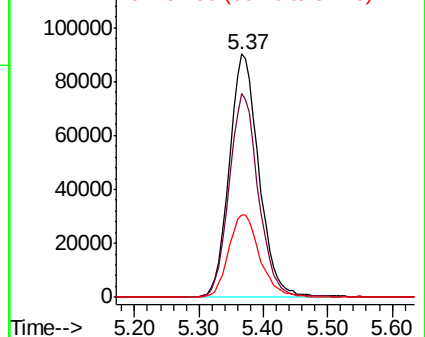
53 100

52 82.4 67.4 101.0

51 35.7 29.1 43.7



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 481.140 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW013665.D

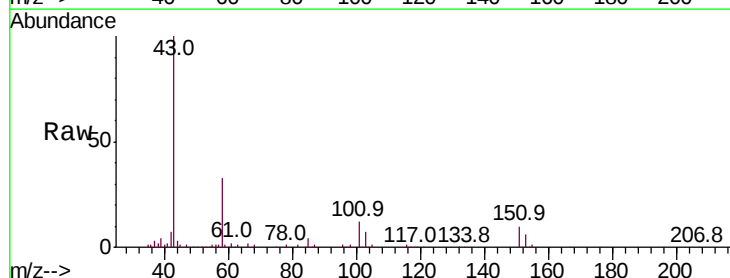
Acq: 23 Oct 2019 13:08

Tgt Ion: 43 Resp: 279958

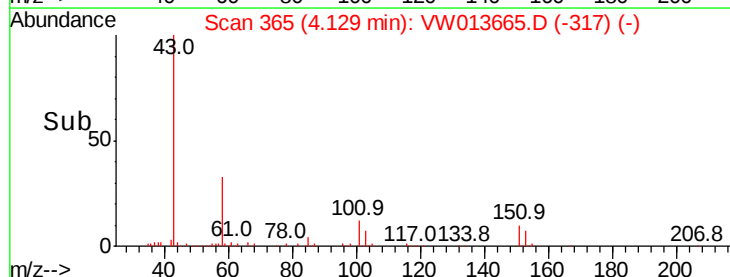
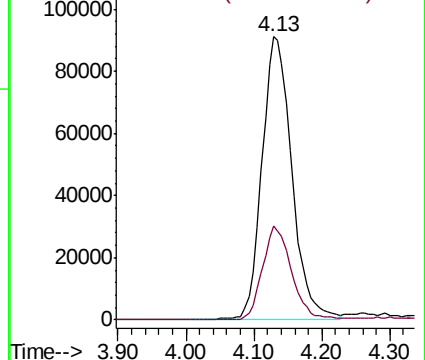
Ion Ratio Lower Upper

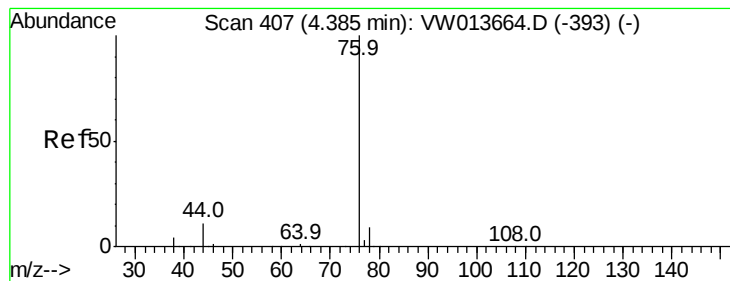
43 100

58 32.8 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 107.201 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

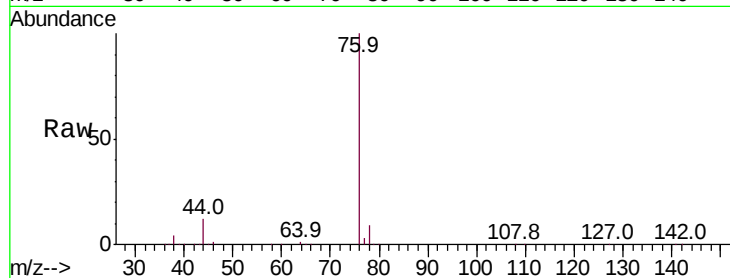
ClientSampled :

Tot Ion: 76 Resp: 863748

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

300000

250000

200000

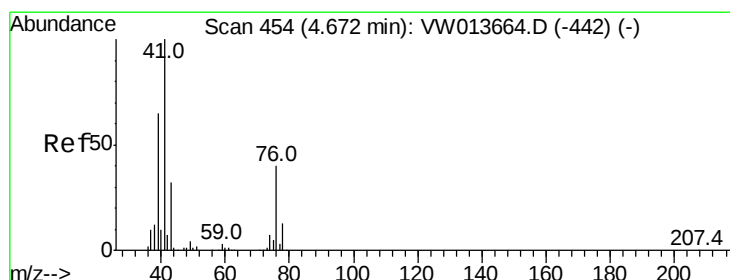
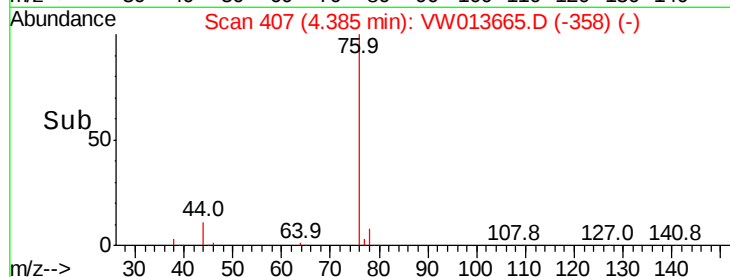
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 83.757 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW013665.D

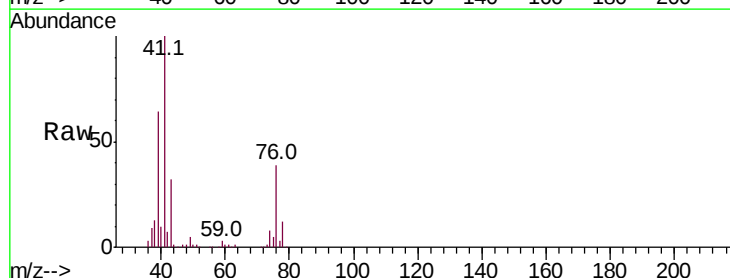
Acq: 23 Oct 2019 13:08

Tgt Ion: 43 Resp: 138977

Ion Ratio Lower Upper

43 100

74 24.8 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

50000

40000

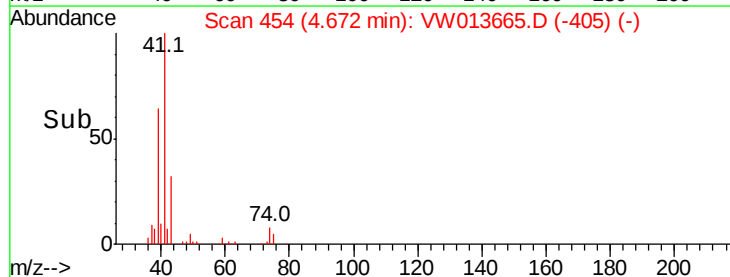
30000

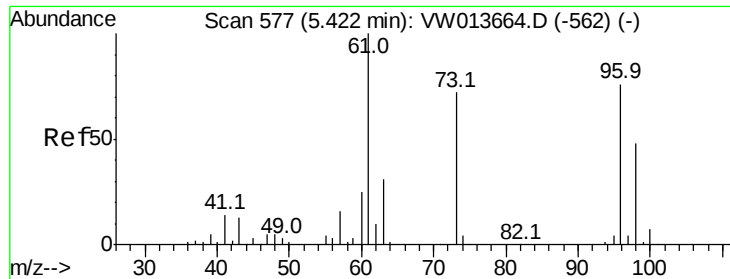
20000

10000

0

Time-->

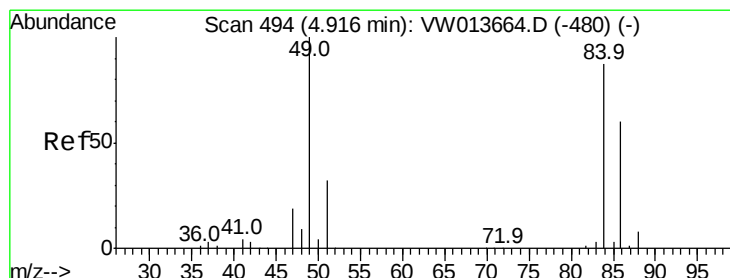
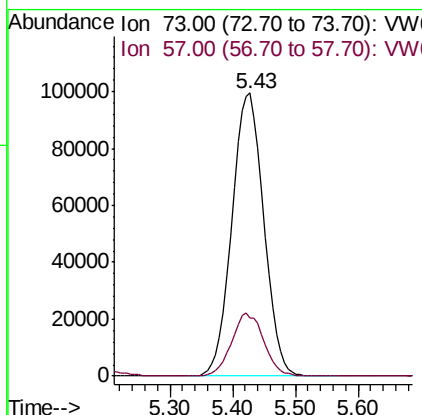
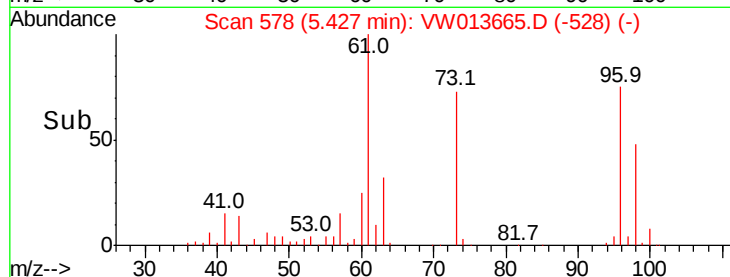
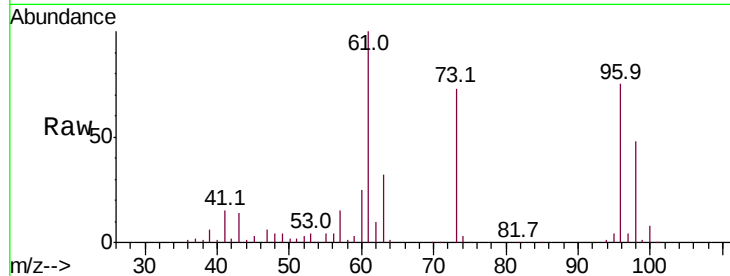




#19
Methvl tert-butvl Ether
Concen: 83.562 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

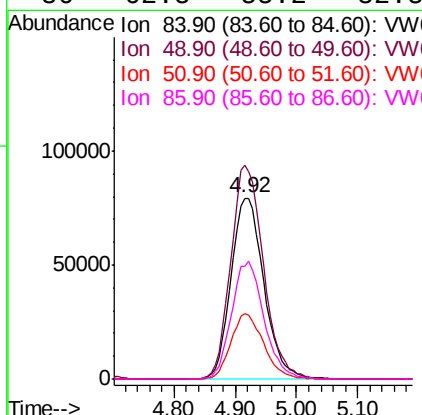
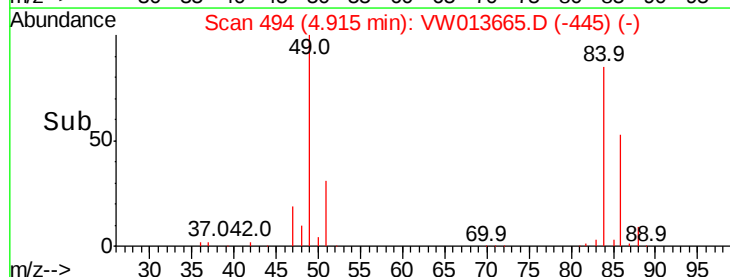
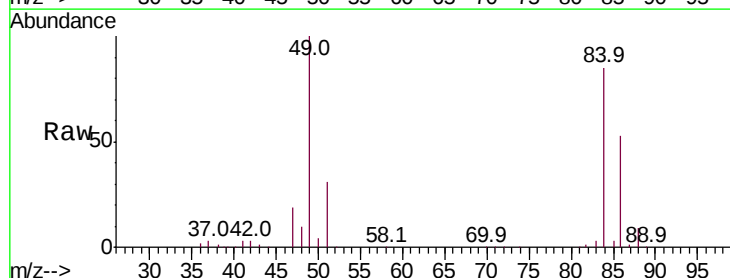
Instrument :
MSVOA_W
ClientSampleId :

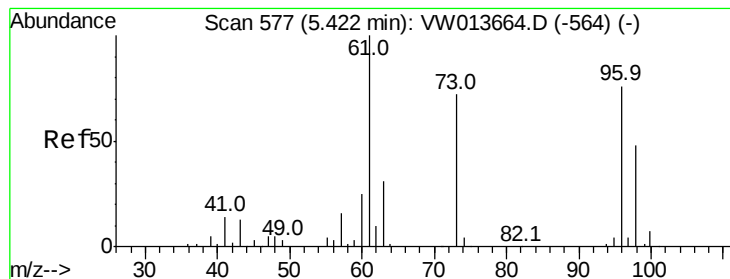
Tot Ion: 73 Resp: 349434
Ion Ratio Lower Upper
73 100
57 20.7 17.6 26.4



#20
Methylene Chloride
Concen: 90.278 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion: 84 Resp: 293862
Ion Ratio Lower Upper
84 100
49 118.1 91.8 137.6
51 36.4 29.8 44.6
86 62.5 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 103.516 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :

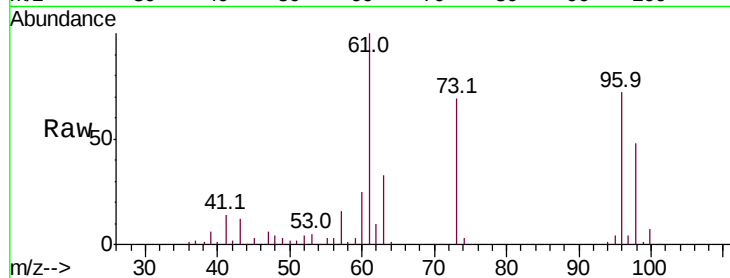
Tot Ion: 96 Resp: 315588

Ion	Ratio	Lower	Upper
96	100		
61	138.6	104.8	157.2
98	67.1	50.6	76.0

96 100

61 138.6 104.8 157.2

98 67.1 50.6 76.0

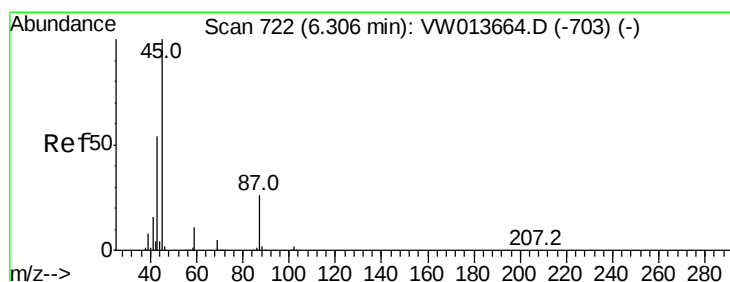
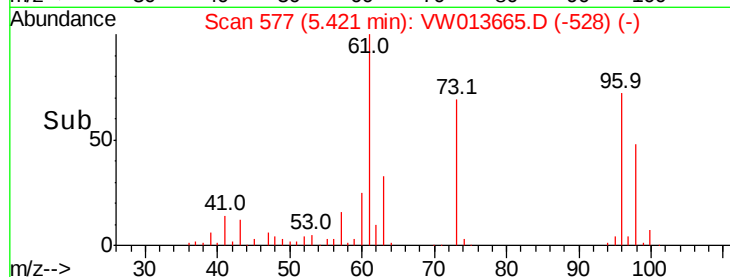
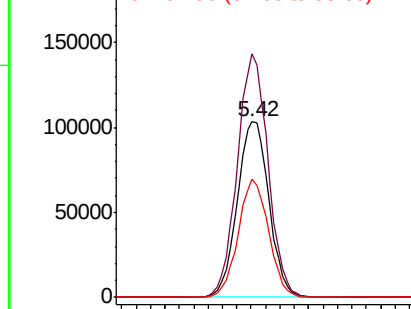


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 101.621 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Tgt Ion: 45 Resp: 835276

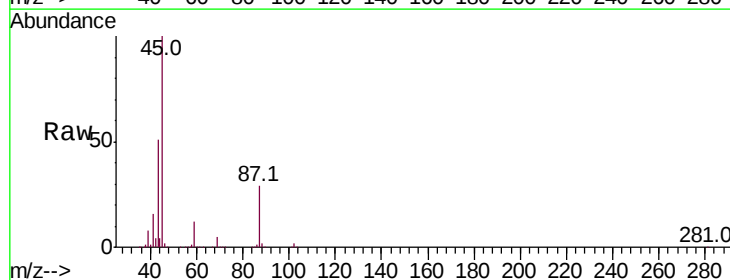
Ion	Ratio	Lower	Upper
45	100		
43	50.8	43.4	65.2
87	28.9	21.5	32.3
59	12.1	9.2	13.8

45 100

43 50.8 43.4 65.2

87 28.9 21.5 32.3

59 12.1 9.2 13.8



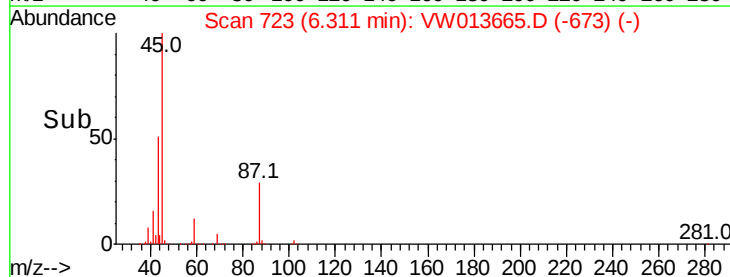
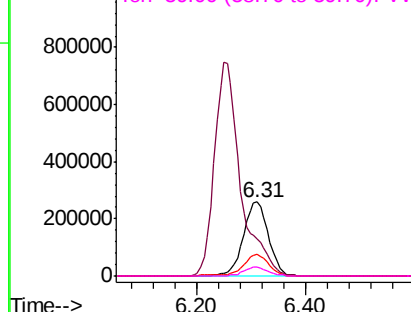
Abundance

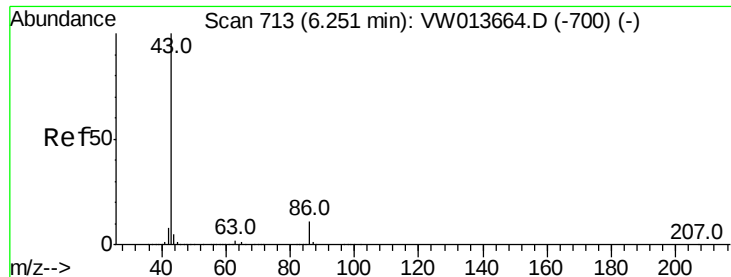
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW

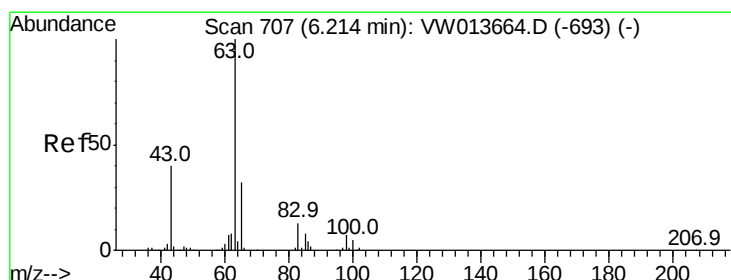
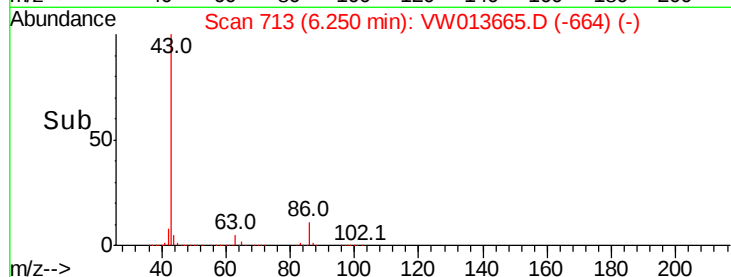
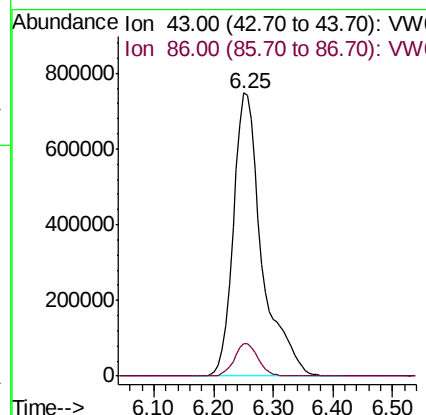
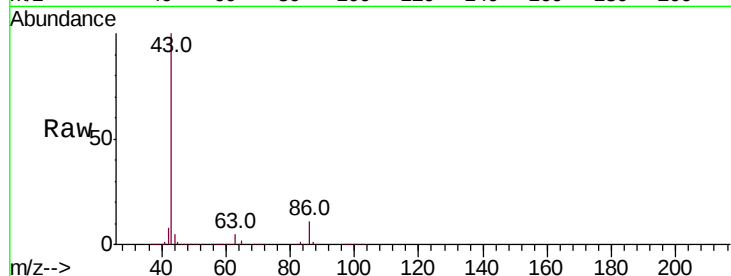




#23
 Vinyl Acetate
 Concen: 506.462 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

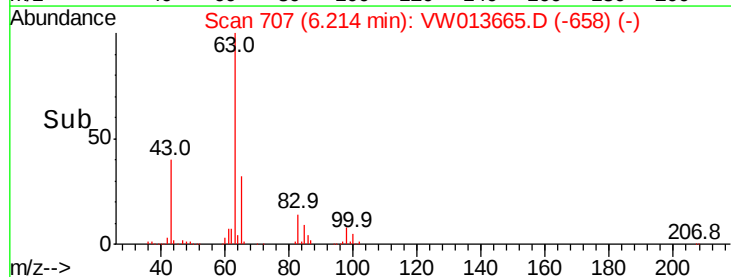
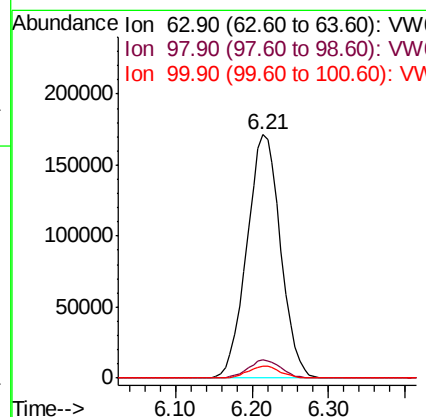
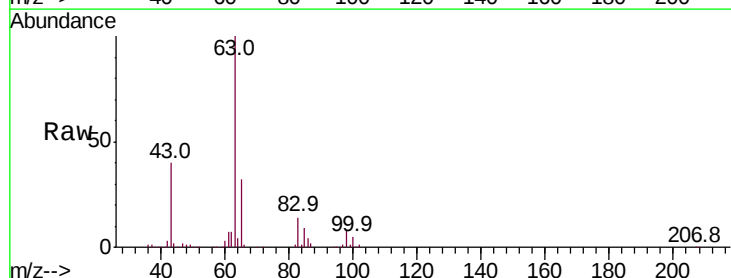
Instrument :
 MSVOA_W
 ClientSampleId :

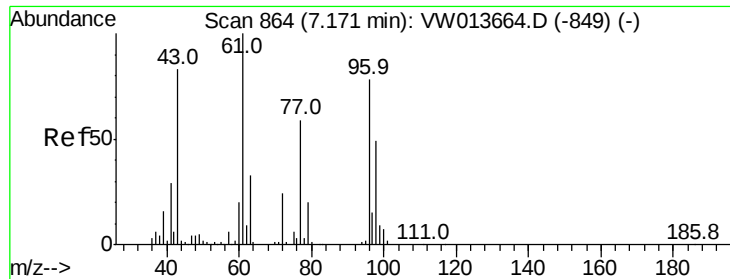
Tot Ion: 43 Resp: 2486118
 Ion Ratio Lower Upper
 43 100
 86 11.3 9.0 13.6



#24
 1,1-Dichloroethane
 Concen: 103.652 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Tgt Ion: 63 Resp: 524209
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.6 10.9
 100 5.0 2.5 7.4





#25

2-Butanone

Concen: 453.457 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

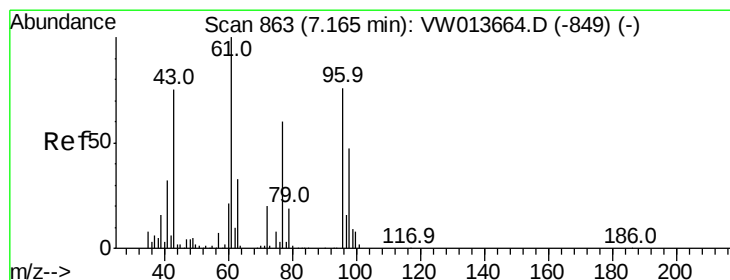
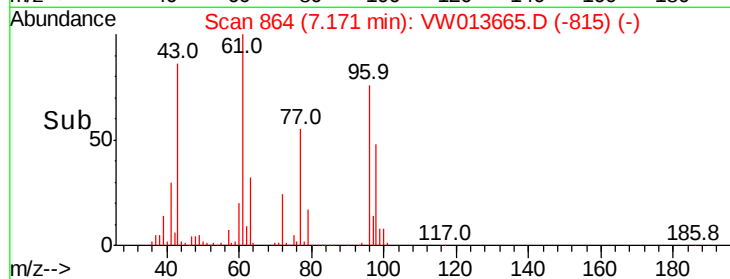
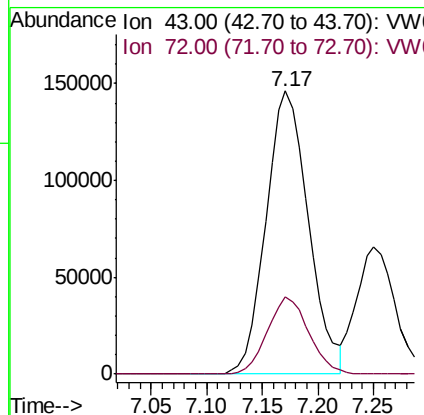
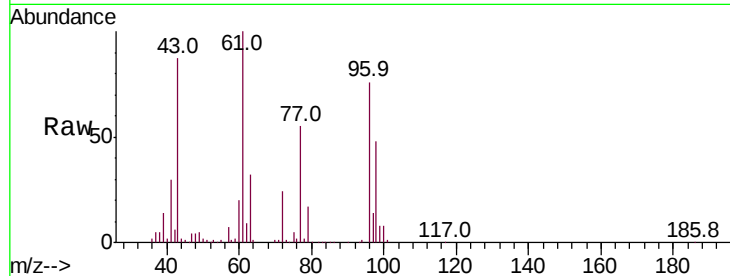
ClientSampleId :

Tot Ion: 43 Resp: 387123

Ion Ratio Lower Upper

43 100

72 27.3 23.6 35.4



#26

2,2-Dichloropropane

Concen: 87.594 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013665.D

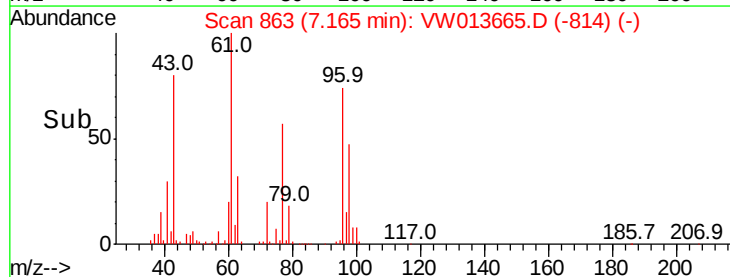
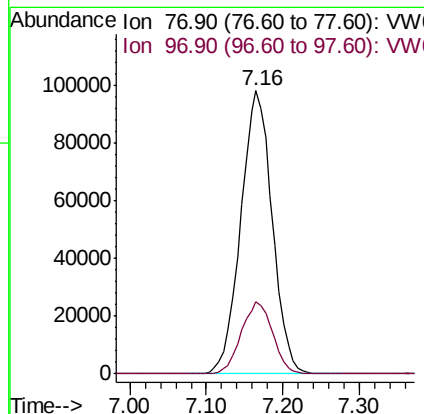
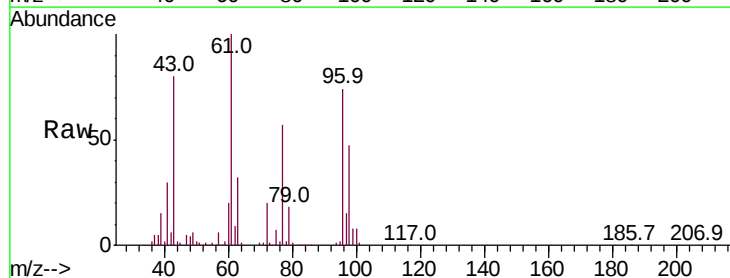
Acq: 23 Oct 2019 13:08

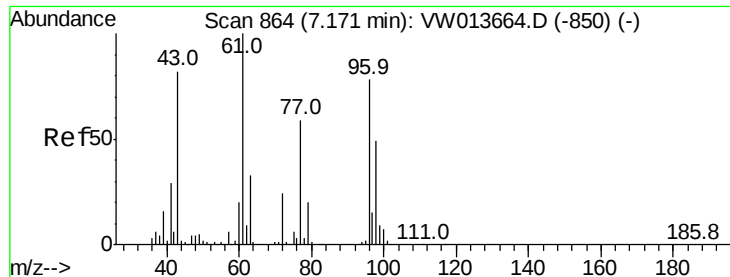
Tgt Ion: 77 Resp: 279225

Ion Ratio Lower Upper

77 100

97 25.4 12.8 38.4



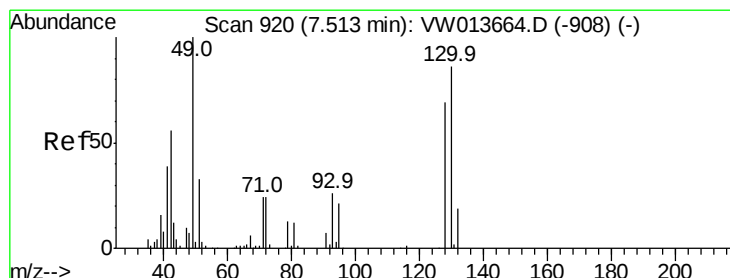
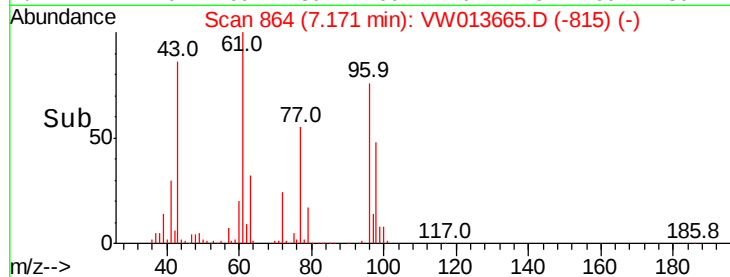
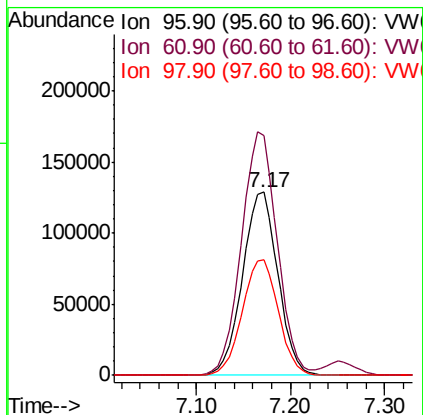
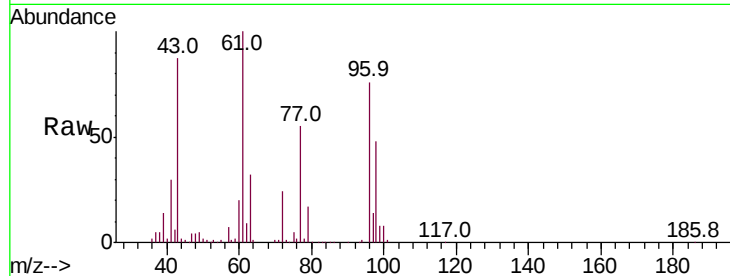


#27

cis-1,2-Dichloroethene
 Concen: 104.946 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Instrument :
 MSVOA_W
 ClientSampled :

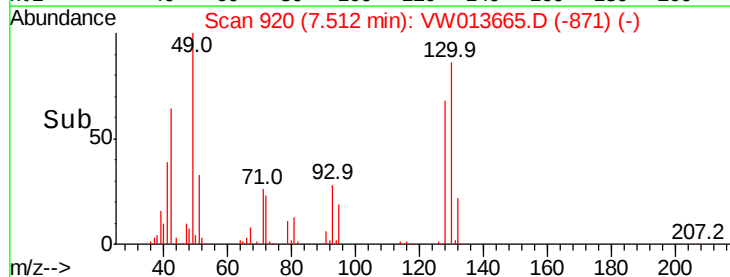
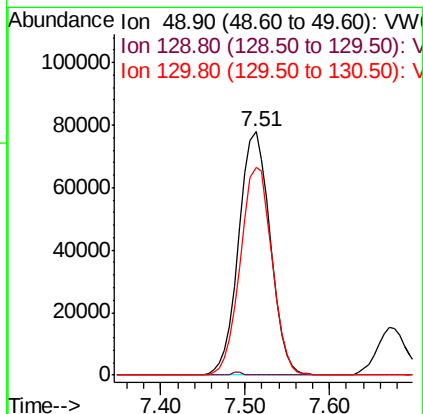
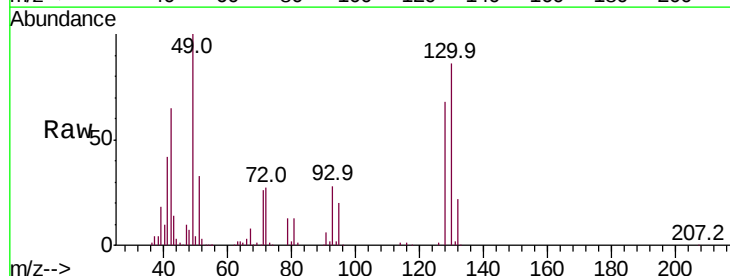
Tot Ion	96	Resp	339052
Ion	Ratio	Lower	Upper
96	100		
61	134.7	0.0	266.0
98	64.3	0.0	126.8

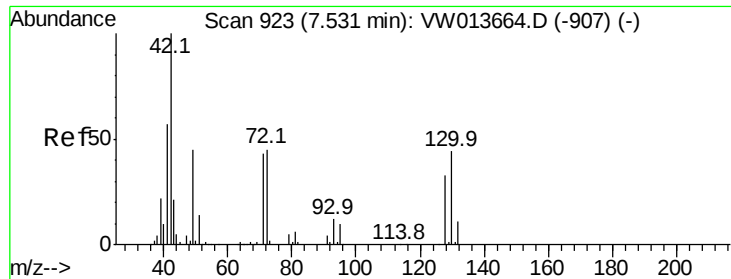


#28

Bromochloromethane
 Concen: 108.848 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Tgt Ion	49	Resp	196491
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	0.6
130	85.8	67.5	101.3

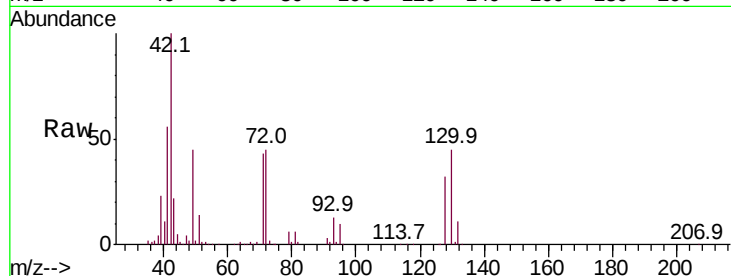




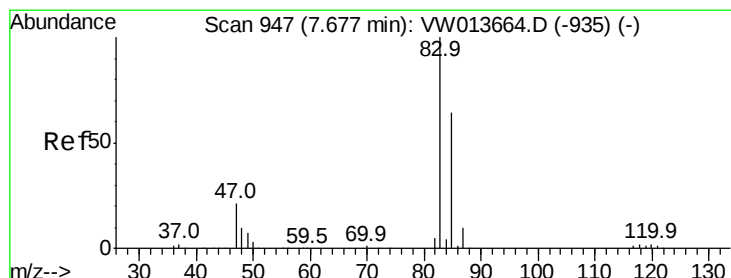
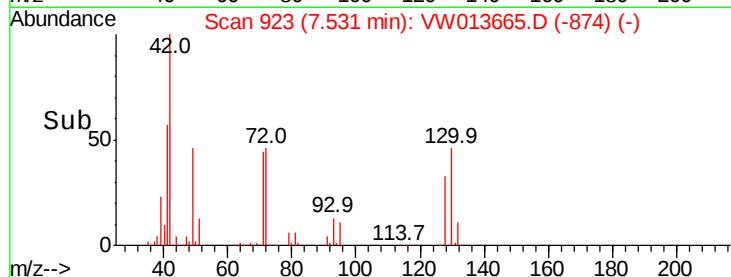
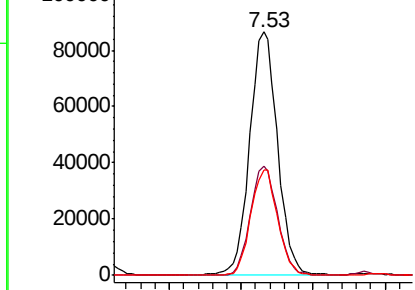
#29
Tetrahydrofuran
Concen: 447.135 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 233034
Ion Ratio Lower Upper
42 100
72 43.8 35.3 52.9
71 41.9 33.3 49.9

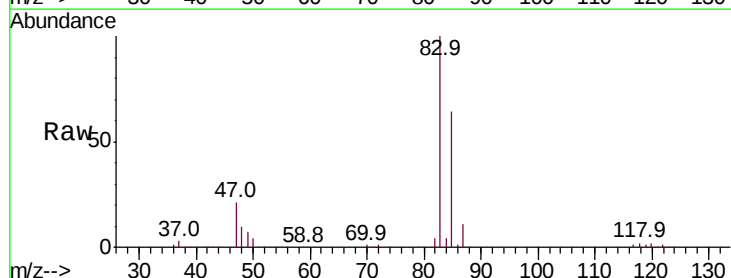


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

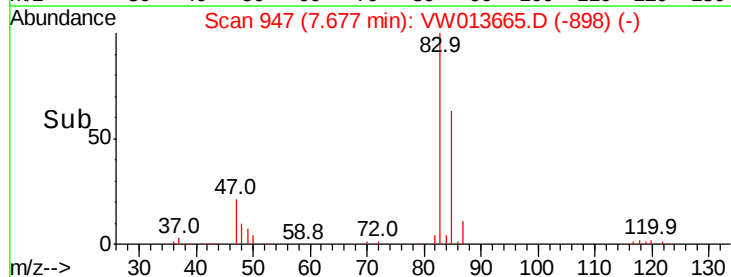
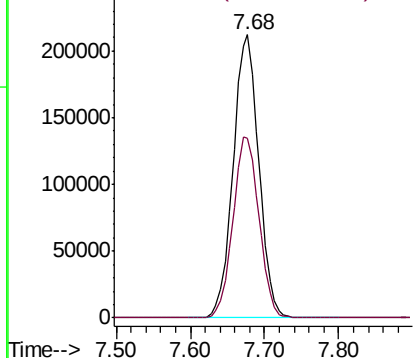


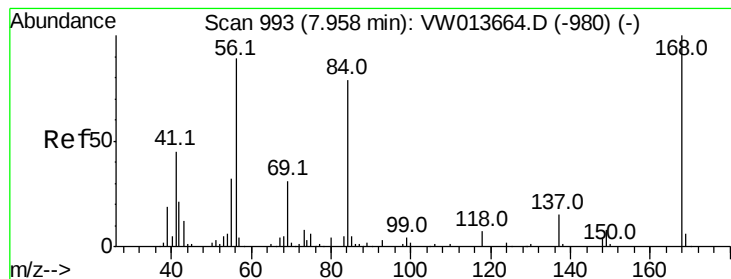
#30
Chloroform
Concen: 104.511 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion: 83 Resp: 510646
Ion Ratio Lower Upper
83 100
85 63.5 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

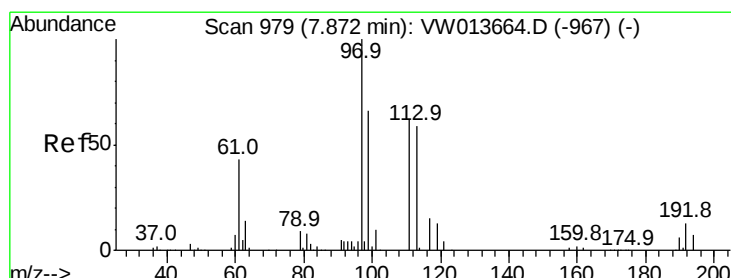
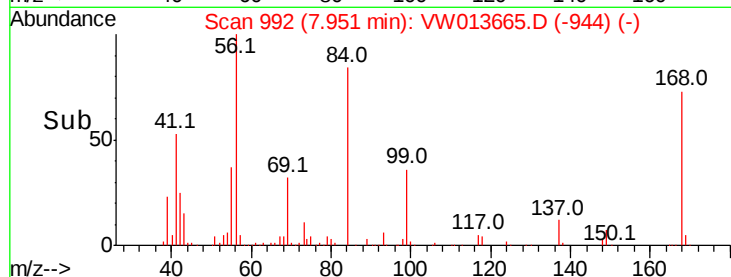
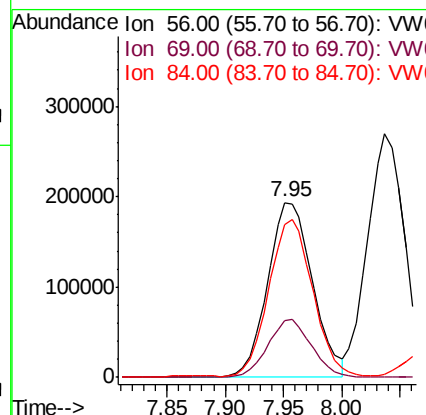
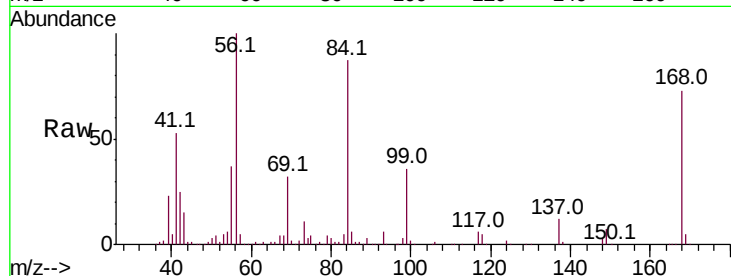




#31
Cyclohexane
Concen: 96.795 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

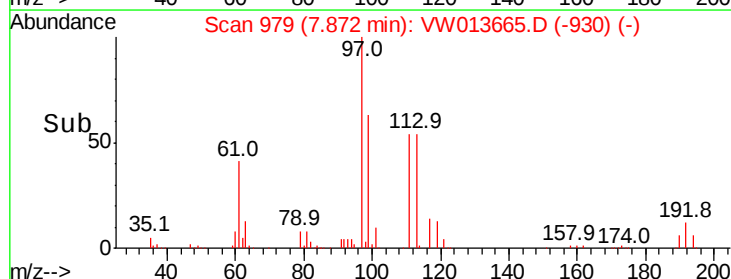
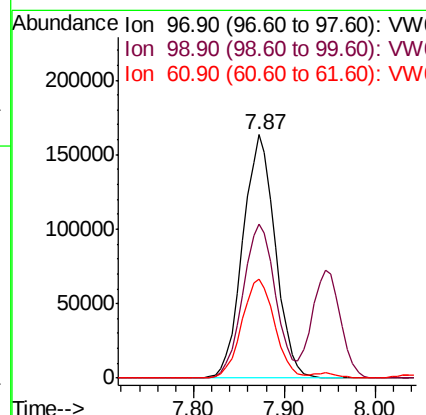
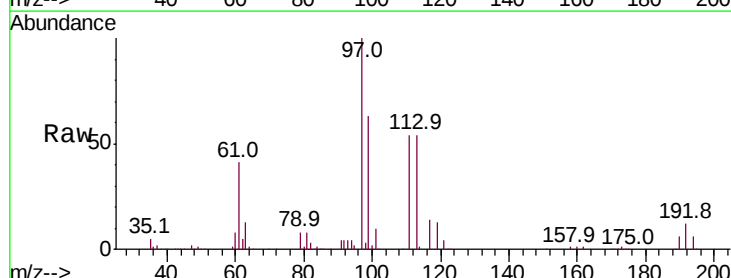
Instrument :
MSVOA_W
ClientSampled :

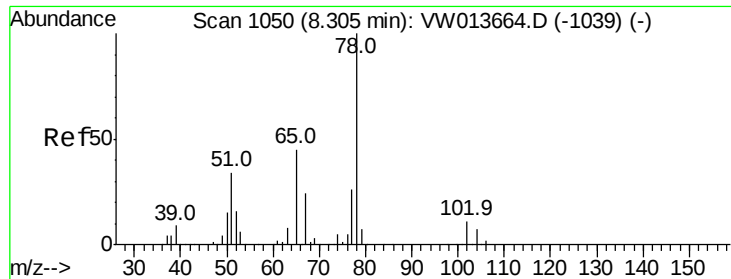
Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	27.5	41.3
84	86.1	70.8	106.2



#32
1,1,1-Trichloroethane
Concen: 102.803 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.0	78.0
61	41.2	33.8	50.6





#33

1,2-Dichloroethane-d4

Concen: 99.468 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

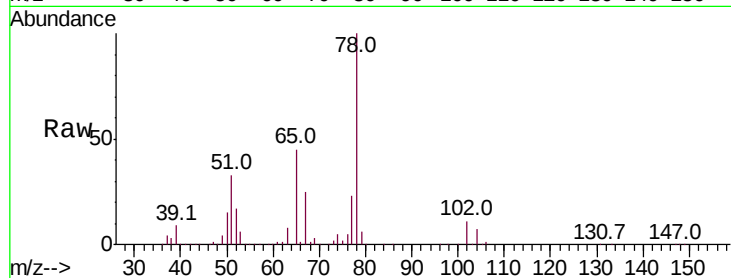
ClientSampled :

Tot Ion: 65 Resp: 254426

Ion Ratio Lower Upper

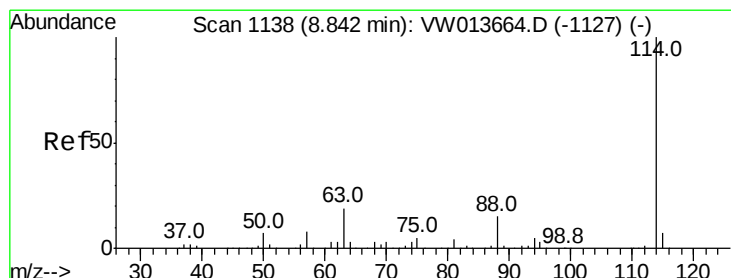
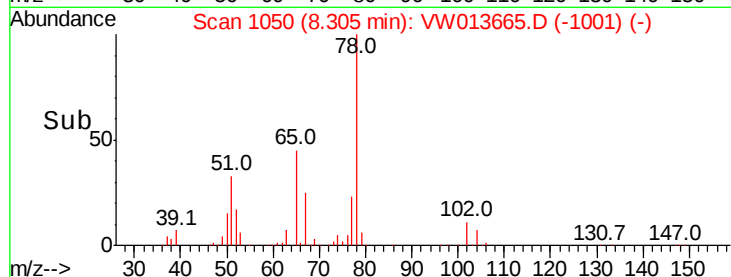
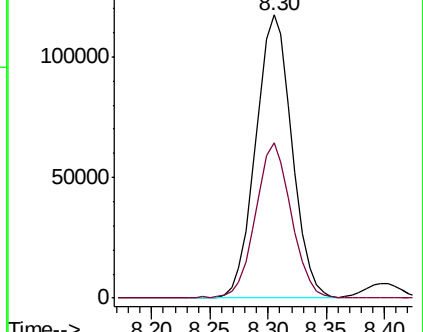
65 100

67 54.3 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

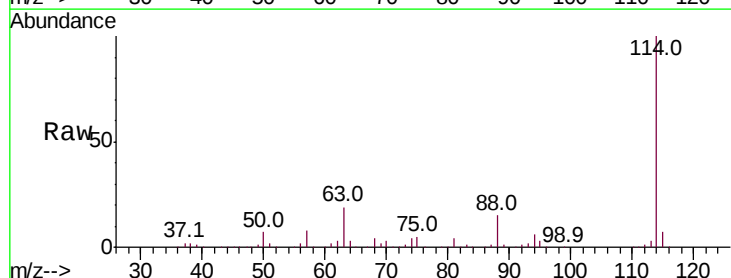
Tgt Ion: 114 Resp: 466460

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.6

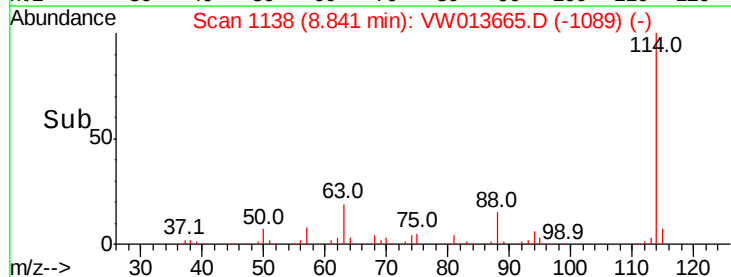
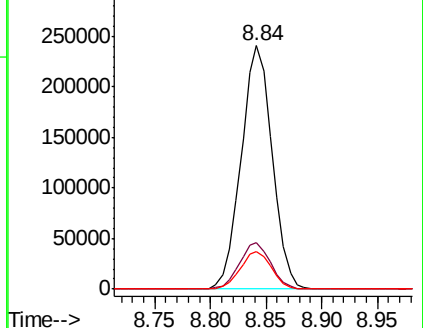
88 15.4 0.0 30.2

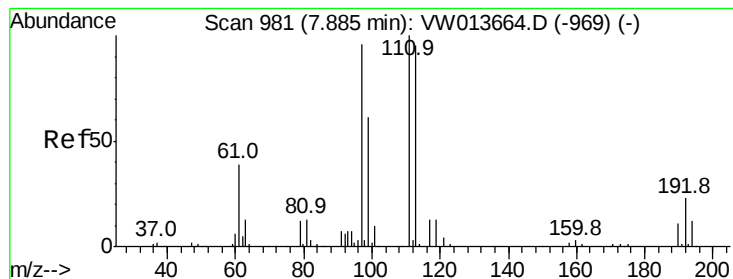


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 101.476 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :

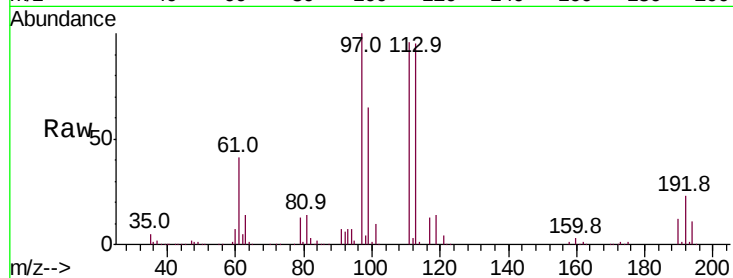
Tot Ion:113 Resp: 267364

Ion Ratio Lower Upper

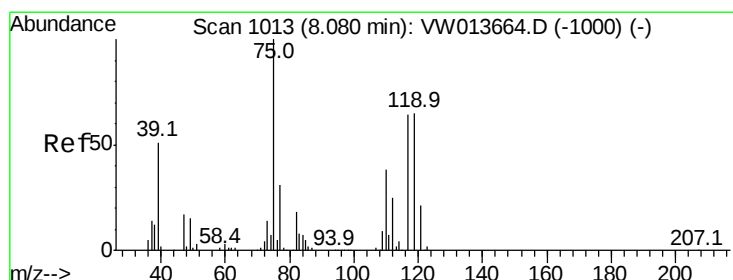
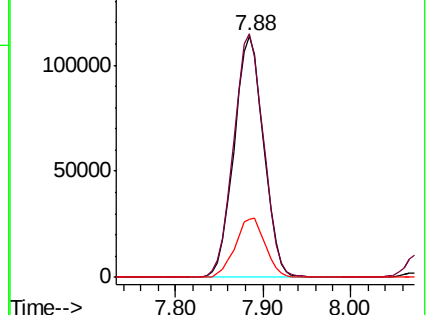
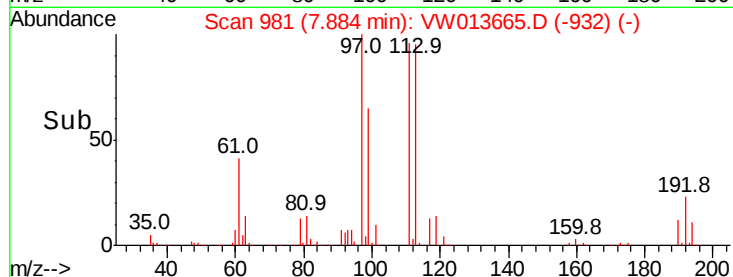
113 100

111 102.2 83.0 124.6

192 24.7 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 101.245 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

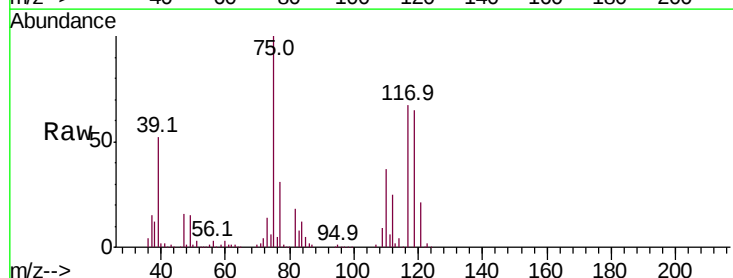
Tgt Ion: 75 Resp: 429531

Ion Ratio Lower Upper

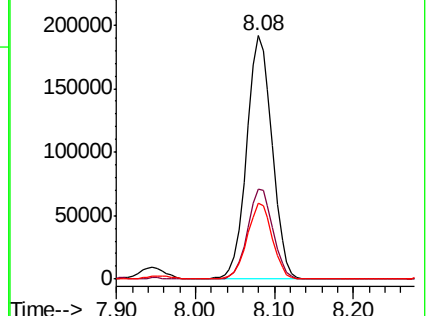
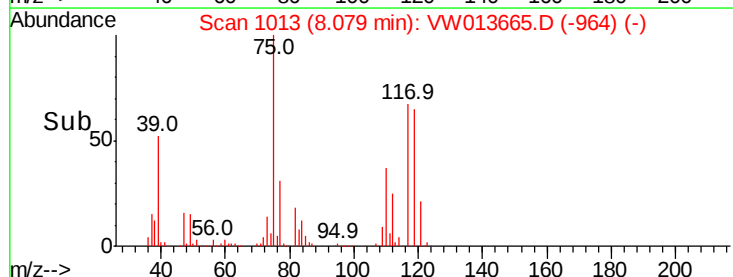
75 100

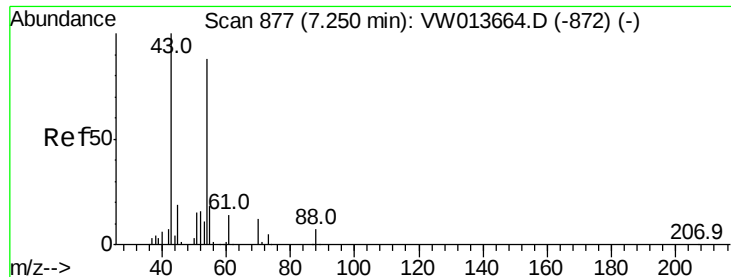
110 36.8 18.7 56.1

77 30.9 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

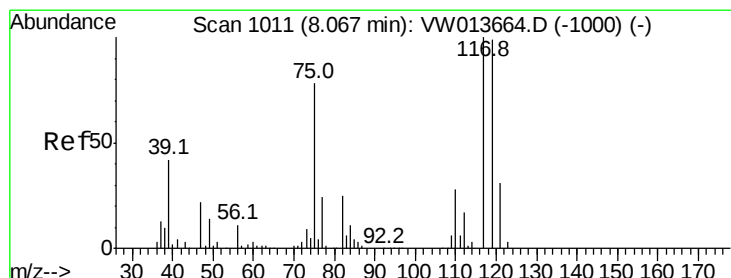
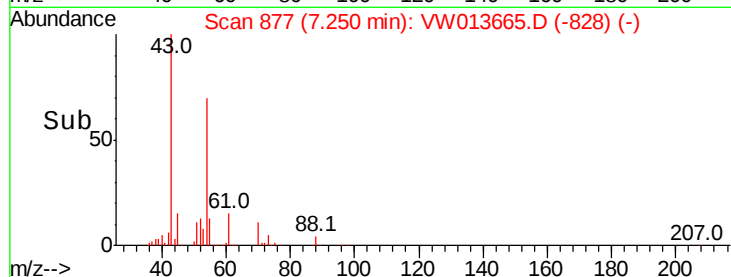
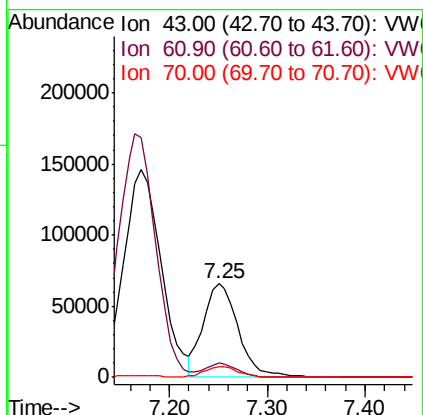
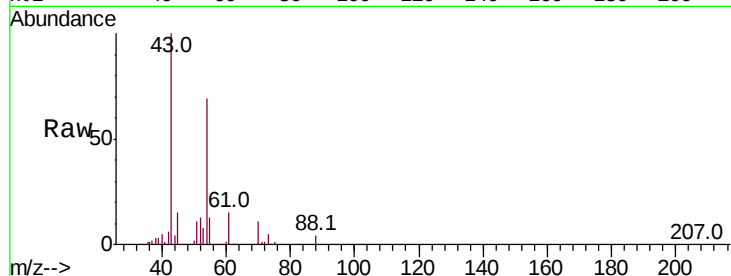




#37
Ethyl Acetate
Concen: 86.347 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

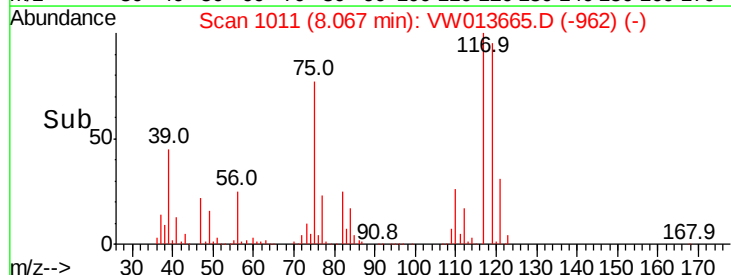
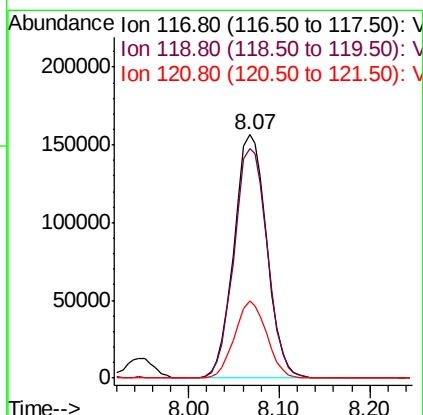
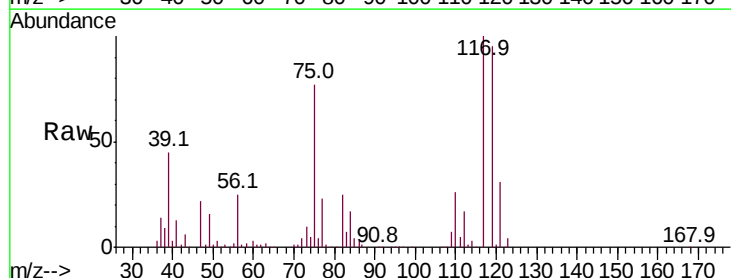
Instrument :
MSVOA_W
ClientSampleId :

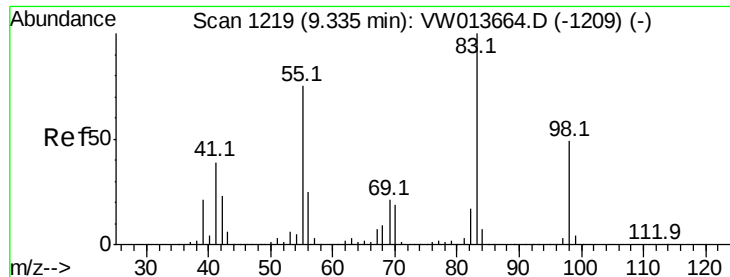
Tot Ion: 43 Resp: 162015
Ion Ratio Lower Upper
43 100
61 13.9 11.7 17.5
70 11.4 8.8 13.2



#38
Carbon Tetrachloride
Concen: 104.613 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion: 117 Resp: 392626
Ion Ratio Lower Upper
117 100
119 94.5 79.0 118.4
121 31.5 24.5 36.7

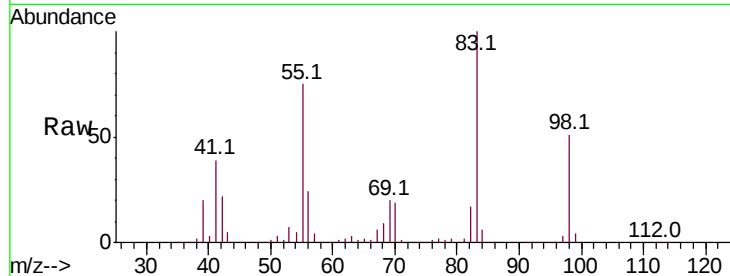




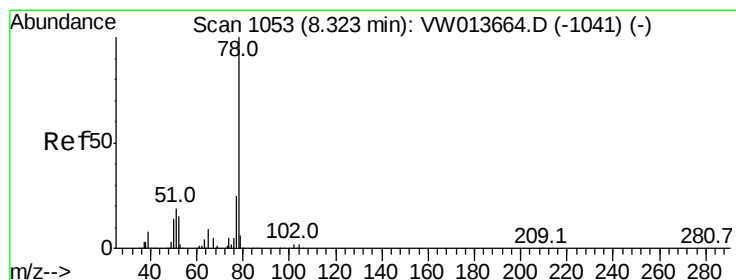
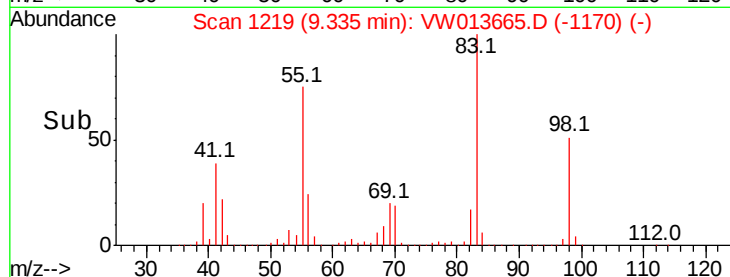
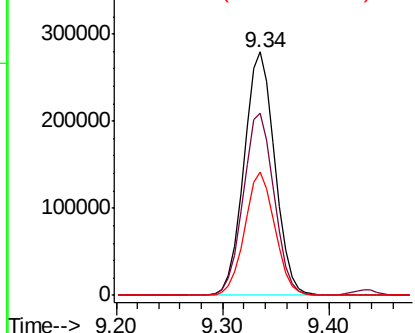
#39
Methvlcvclohexane
Concen: 103.030 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 566657
Ion Ratio Lower Upper
83 100
55 74.6 59.9 89.9
98 50.8 39.4 59.2

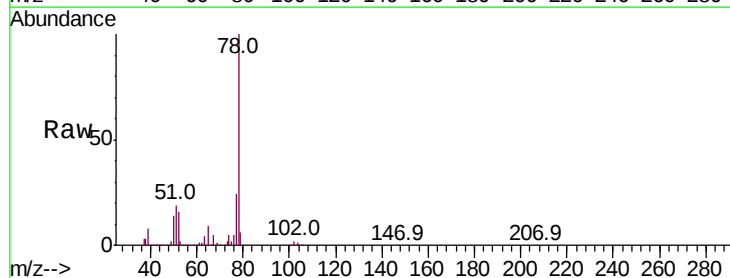


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

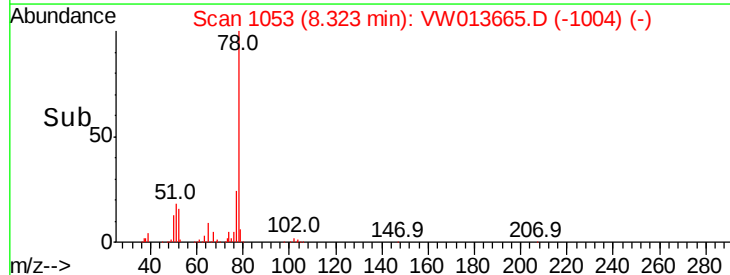
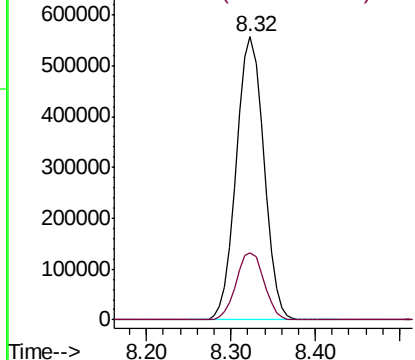


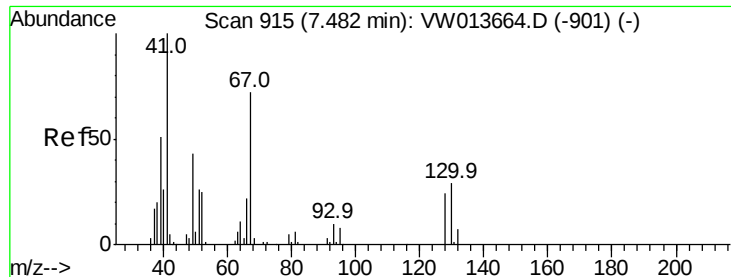
#40
Benzene
Concen: 103.346 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion: 78 Resp: 1226632
Ion Ratio Lower Upper
78 100
77 23.9 19.6 29.4



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 102.798 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 41 Resp: 110321

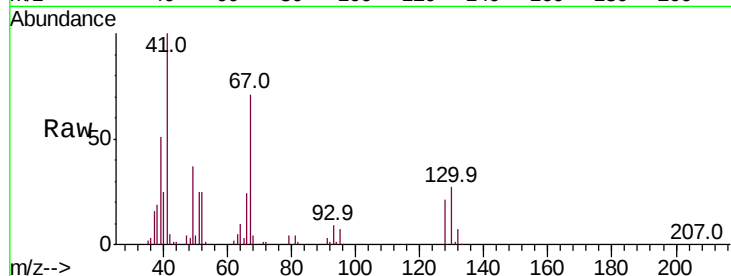
Ion Ratio Lower Upper

41 100

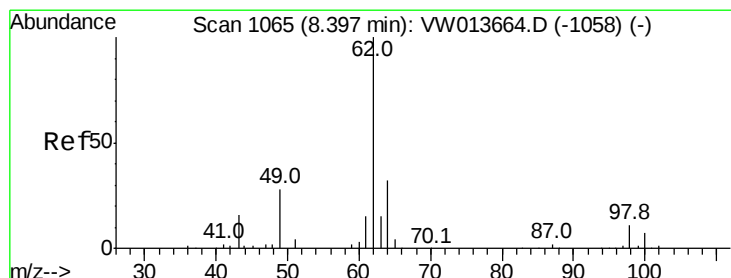
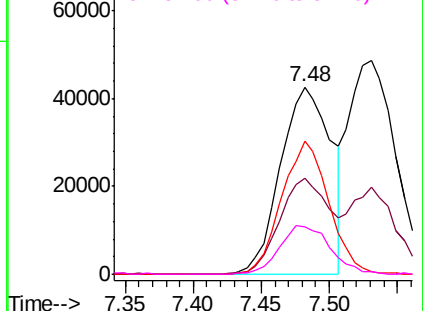
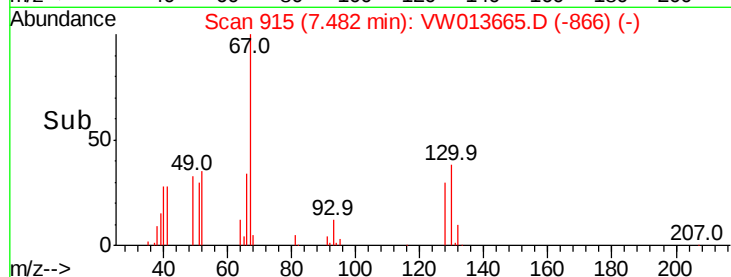
39 50.7 44.8 67.2

67 66.3 59.3 88.9

52 26.3 23.4 35.0



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



#42

1,2-Dichloroethane

Concen: 103.293 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013665.D

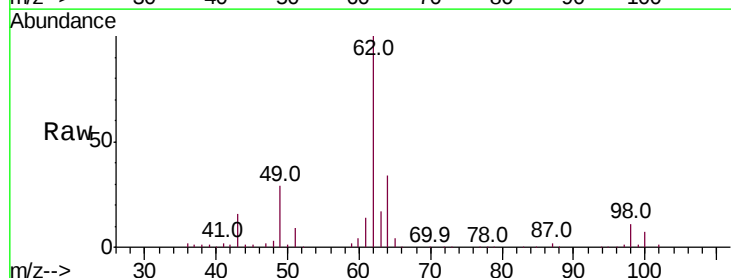
Acq: 23 Oct 2019 13:08

Tgt Ion: 62 Resp: 310034

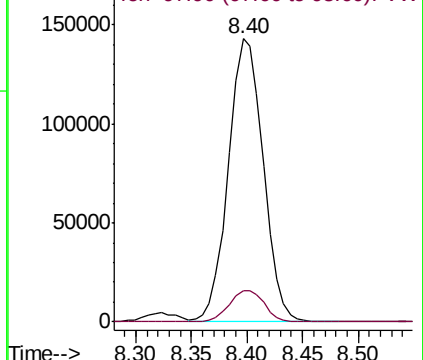
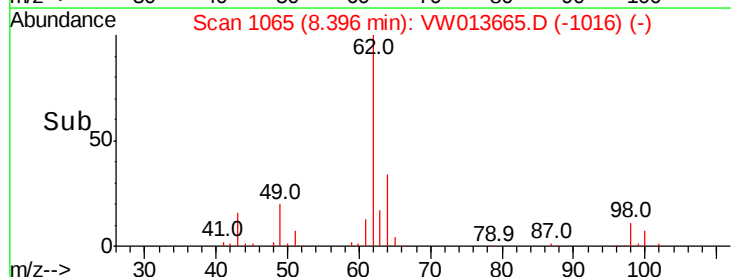
Ion Ratio Lower Upper

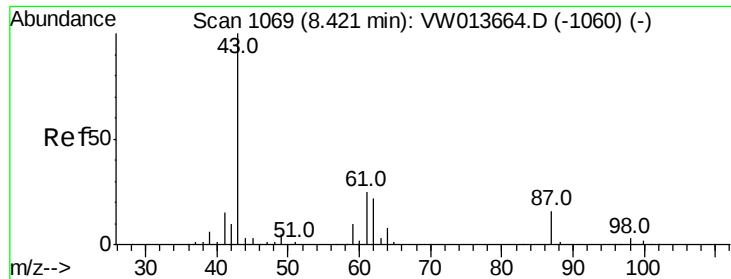
62 100

98 11.2 0.0 22.4



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





#43

Isopropyl Acetate

Concen: 93.521 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

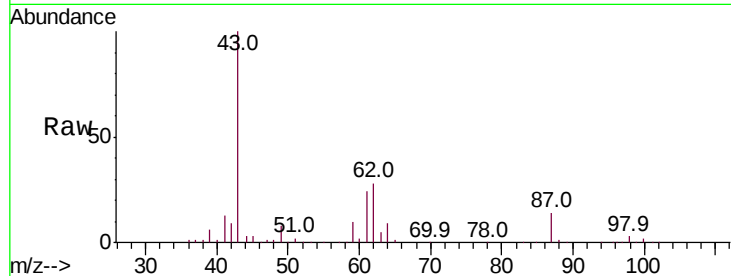
Tot Ion: 43 Resp: 319950

Ion Ratio Lower Upper

43 100

61 32.3 26.1 39.1

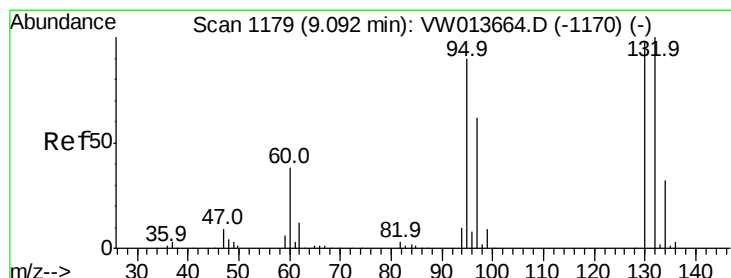
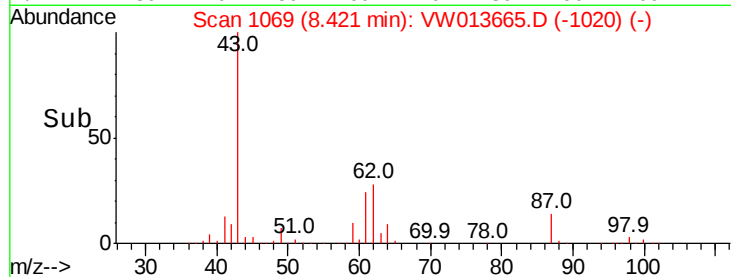
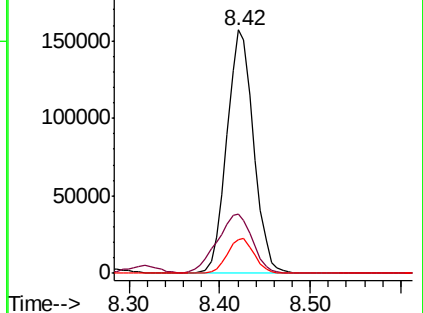
87 14.3 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 104.033 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013665.D

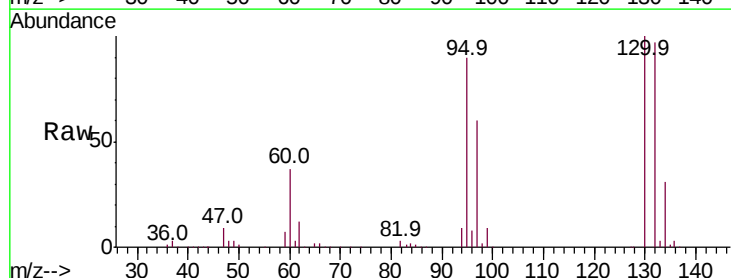
Acq: 23 Oct 2019 13:08

Tgt Ion:130 Resp: 352352

Ion Ratio Lower Upper

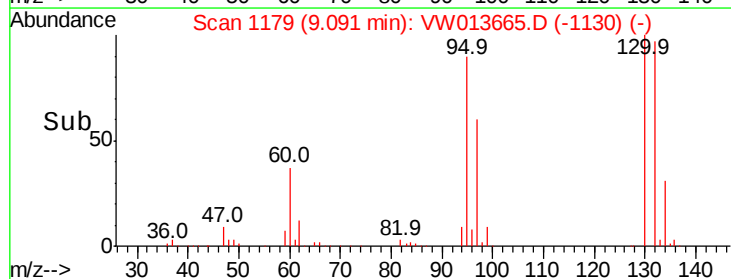
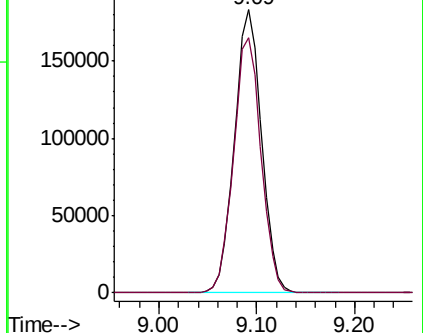
130 100

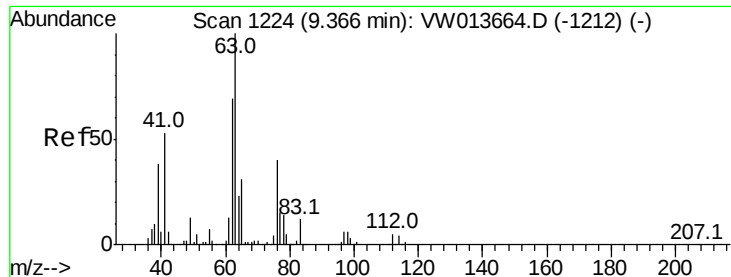
95 90.4 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 105.178 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

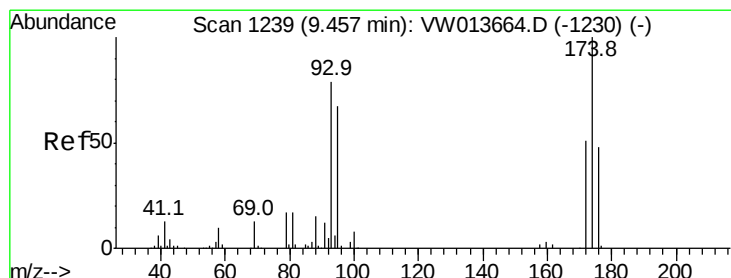
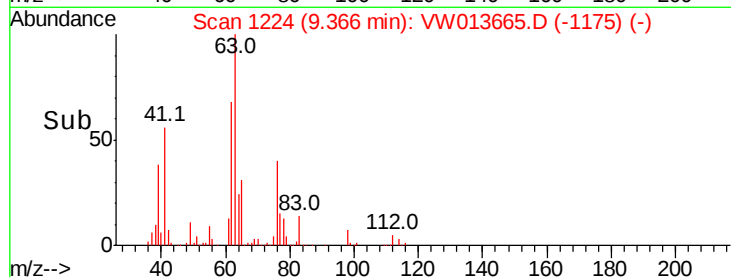
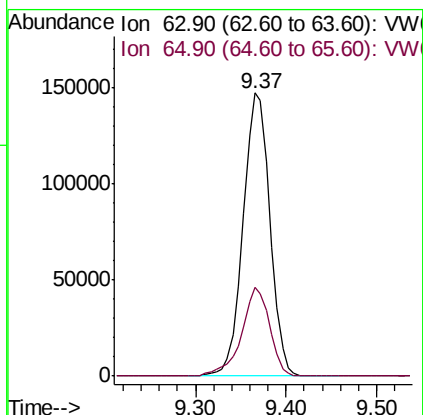
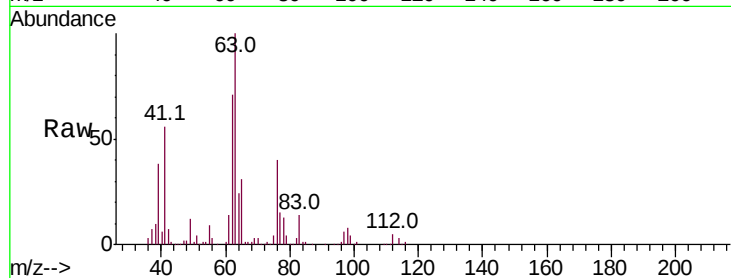
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 63 Resp: 299963

Ion Ratio Lower Upper

63 100

65 31.4 25.2 37.8



#46

Dibromomethane

Concen: 101.302 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

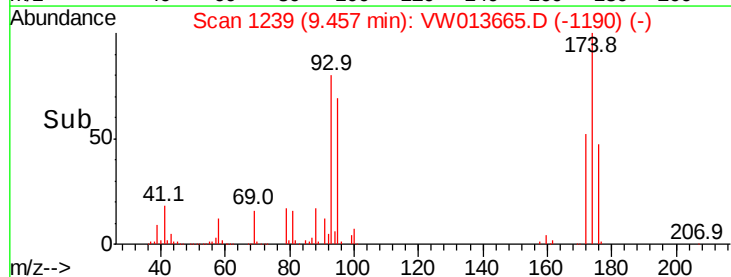
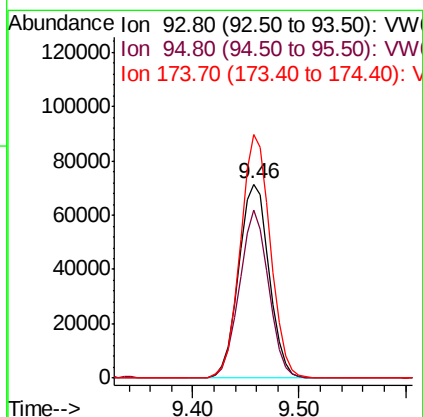
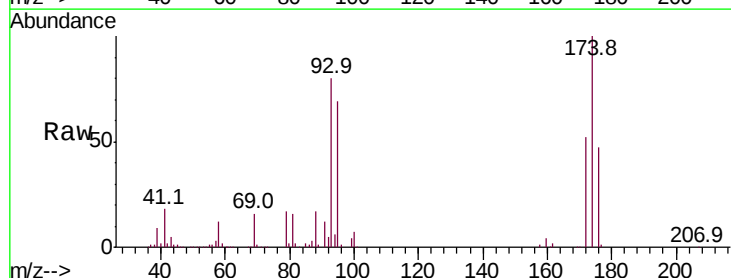
Tgt Ion: 93 Resp: 143462

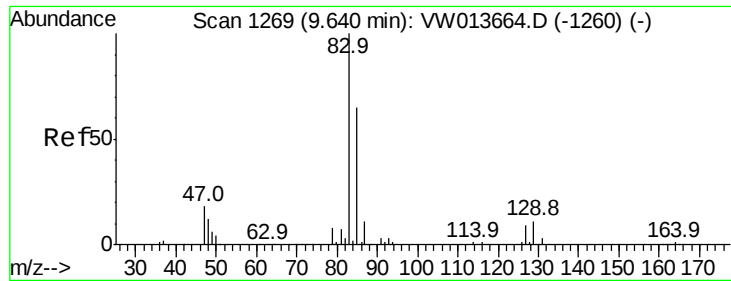
Ion Ratio Lower Upper

93 100

95 82.9 66.5 99.7

174 123.5 99.6 149.4





#47

Bromodichloromethane

Concen: 107.756 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

ClientSampled :

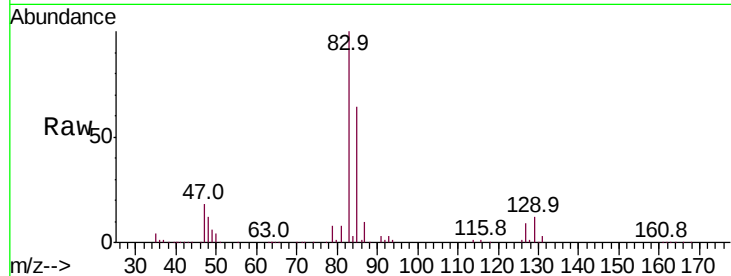
Tot Ion: 83 Resp: 381243

Ion Ratio Lower Upper

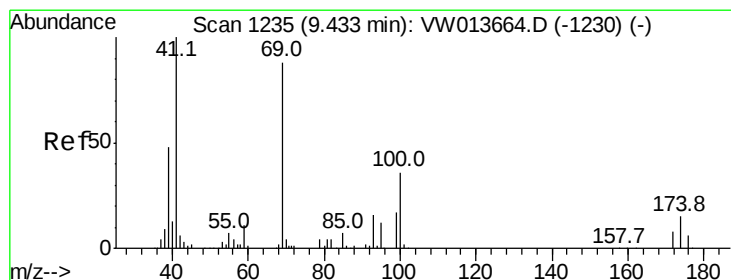
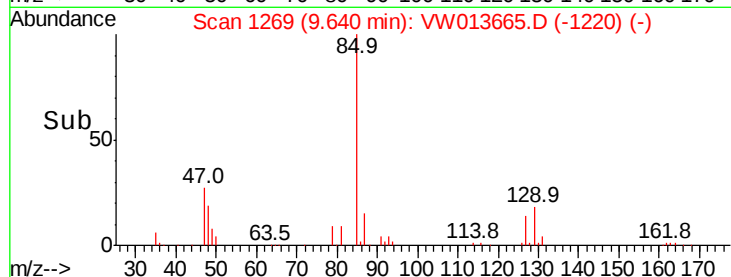
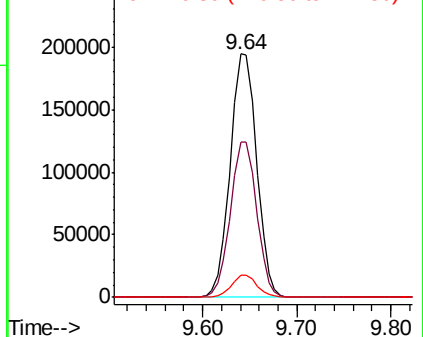
83 100

85 63.9 51.8 77.6

127 9.0 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 97.194 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

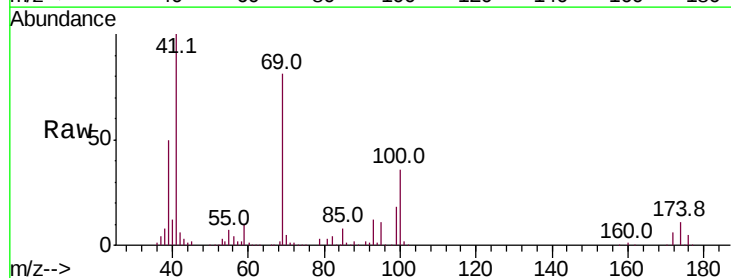
Tgt Ion: 41 Resp: 164752

Ion Ratio Lower Upper

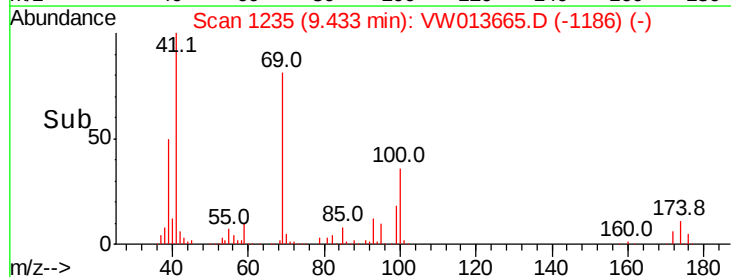
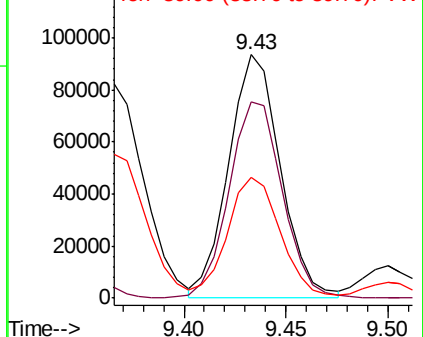
41 100

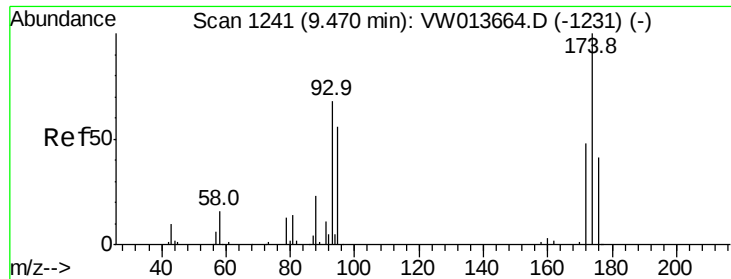
69 83.3 67.6 101.4

39 47.9 38.6 58.0



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

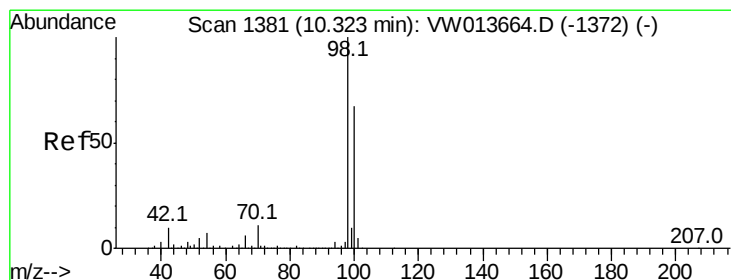
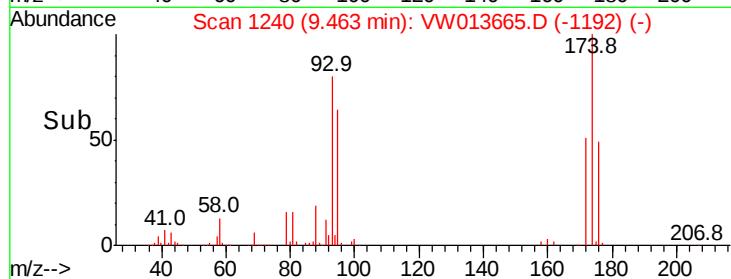
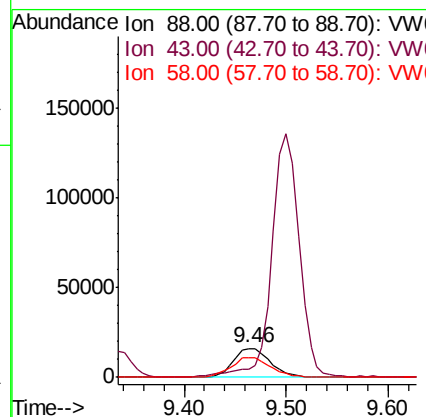
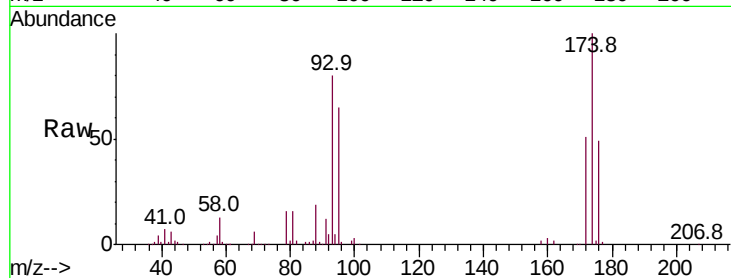




#49
1,4-Dioxane
Concen: 1666.568 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

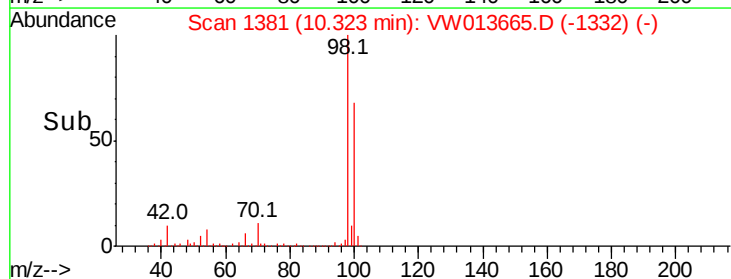
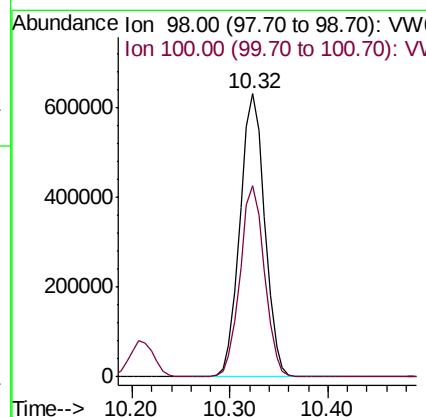
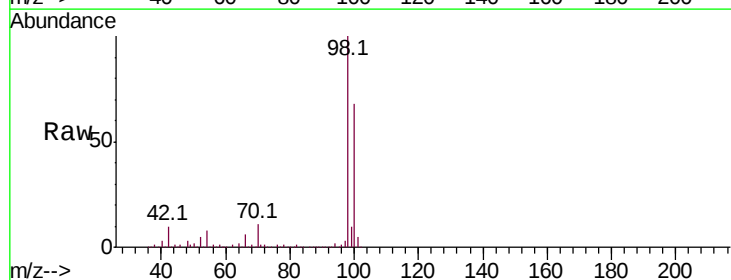
Instrument :
MSVOA_W
ClientSampleId :

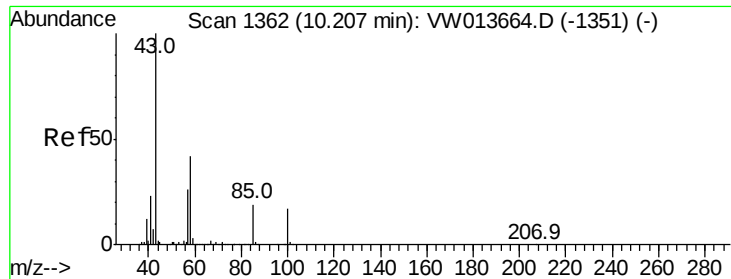
Tot Ion: 88 Resp: 40167
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 74.2 58.9 88.3



#50
Toluene-d8
Concen: 100.233 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion: 98 Resp: 1107132
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 444.367 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

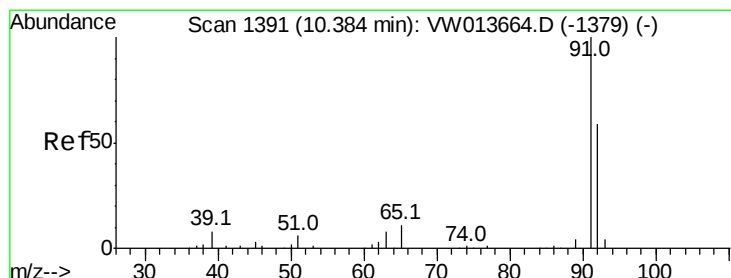
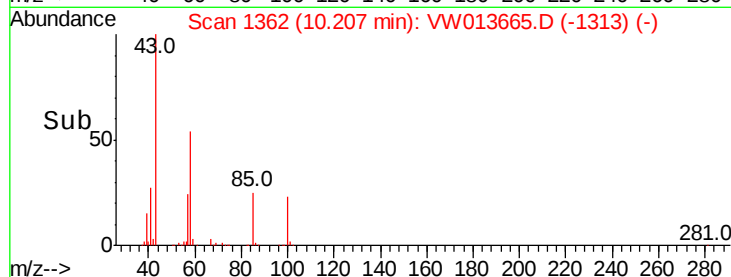
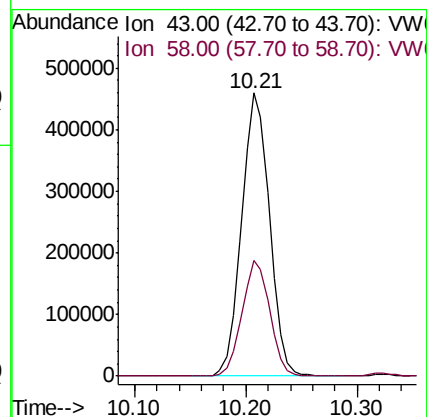
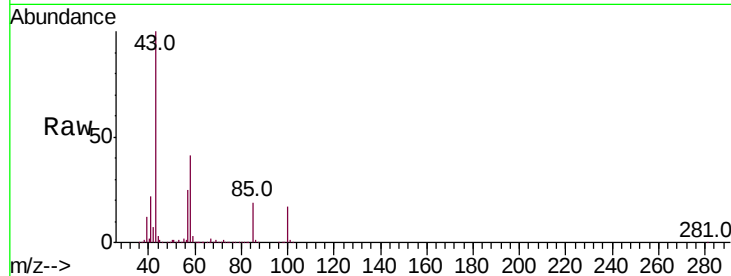
ClientSampleId :

Tot Ion: 43 Resp: 793570

Ion Ratio Lower Upper

43 100

58 40.9 32.6 49.0



#52

Toluene

Concen: 103.627 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013665.D

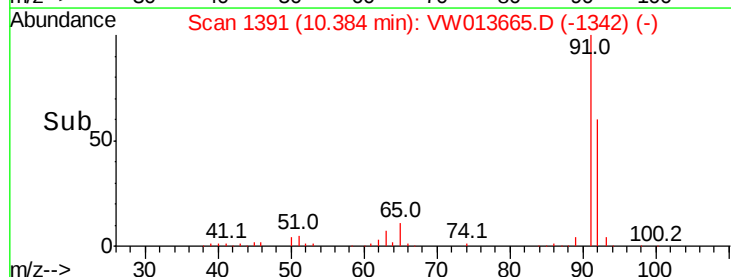
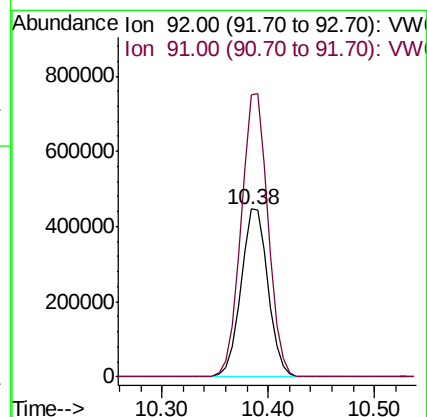
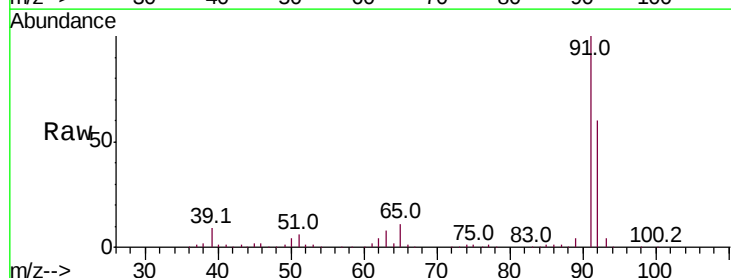
Acq: 23 Oct 2019 13:08

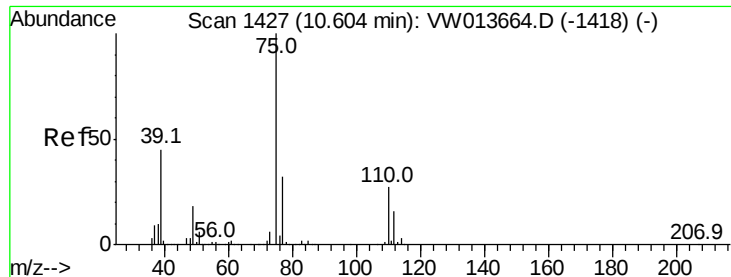
Tgt Ion: 92 Resp: 792623

Ion Ratio Lower Upper

92 100

91 169.1 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 107.700 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

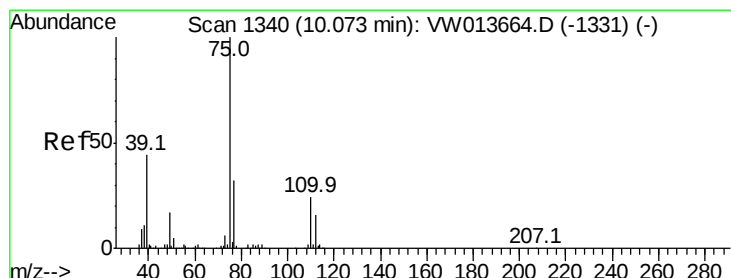
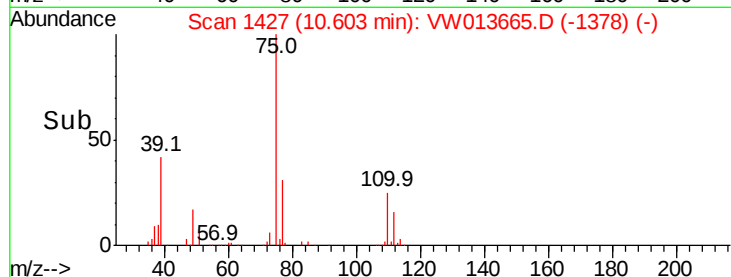
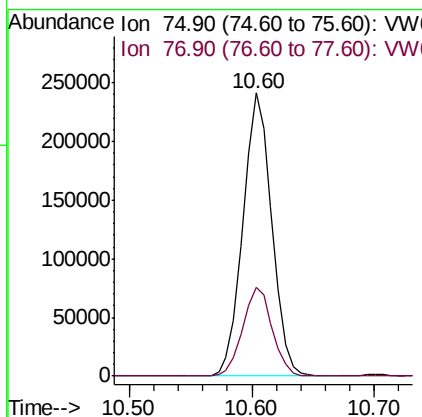
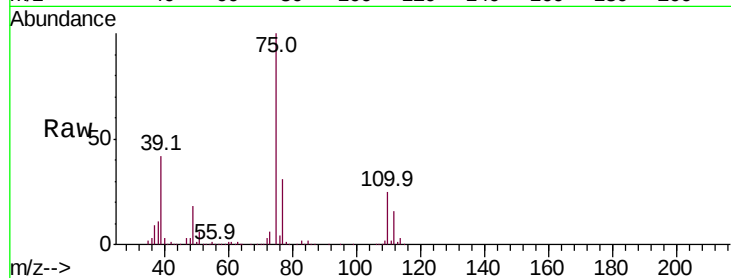
ClientSampled :

Tot Ion: 75 Resp: 394856

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 107.874 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

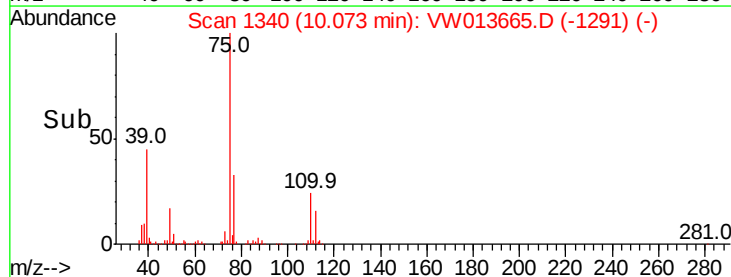
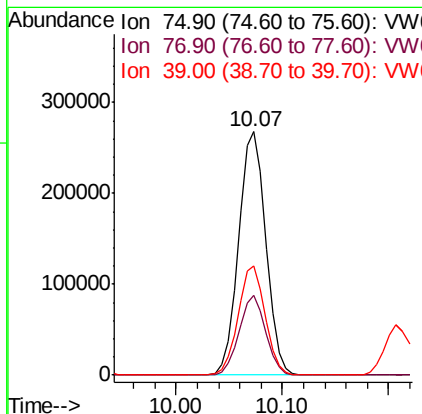
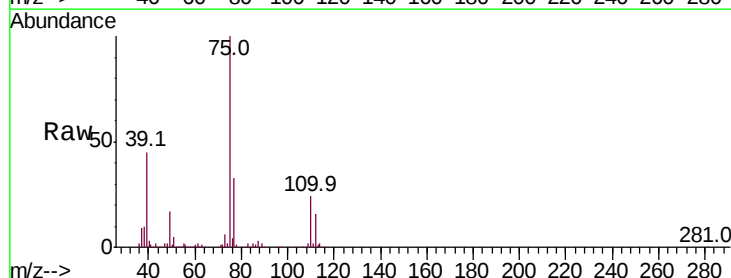
Tgt Ion: 75 Resp: 480600

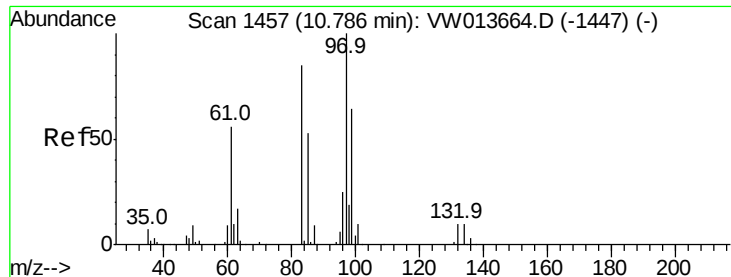
Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.6

39 44.9 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 100.463 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 212934

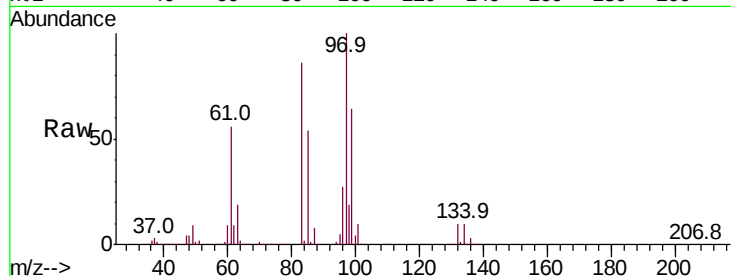
Ion	Ratio	Lower	Upper
97	100		
83	85.6	67.8	101.8
85	53.6	42.1	63.1
99	63.8	51.4	77.0

97 100

83 85.6 67.8 101.8

85 53.6 42.1 63.1

99 63.8 51.4 77.0



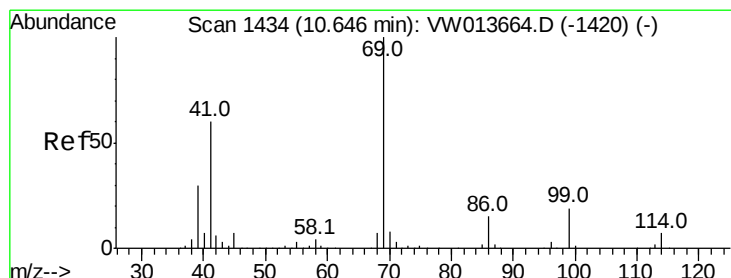
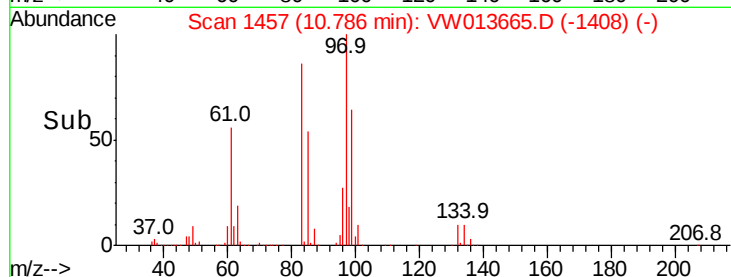
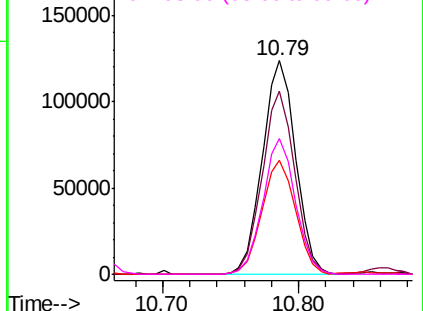
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 101.011 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

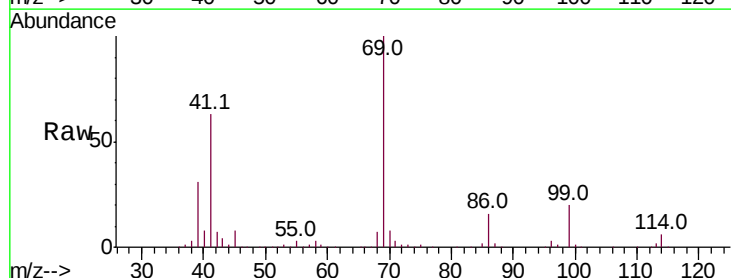
Tgt Ion: 69 Resp: 284717

Ion	Ratio	Lower	Upper
69	100		
41	63.8	51.6	77.4
39	28.1	22.4	33.6

69 100

41 63.8 51.6 77.4

39 28.1 22.4 33.6

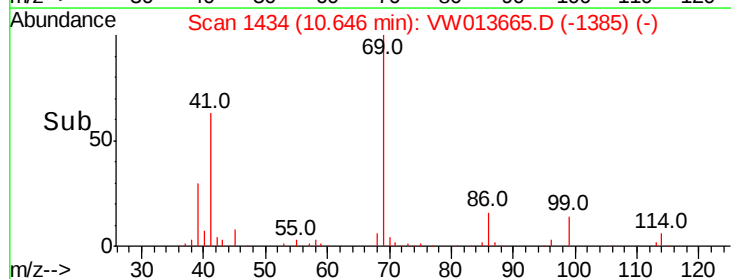
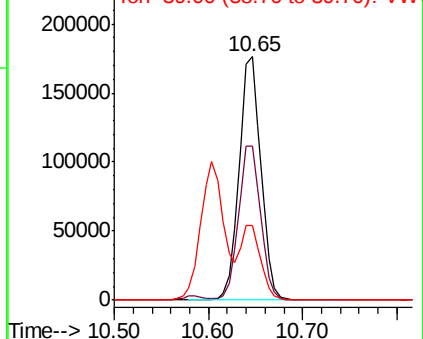


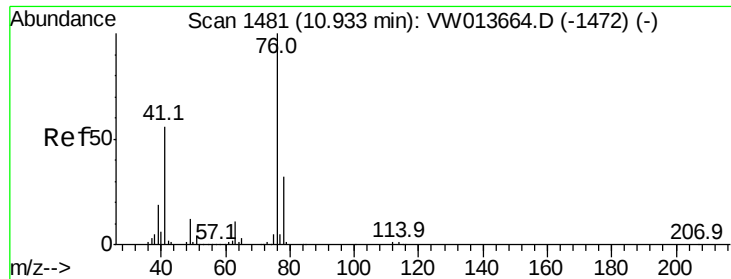
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 100.518 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

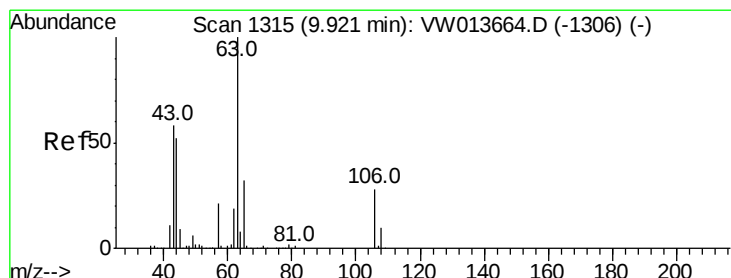
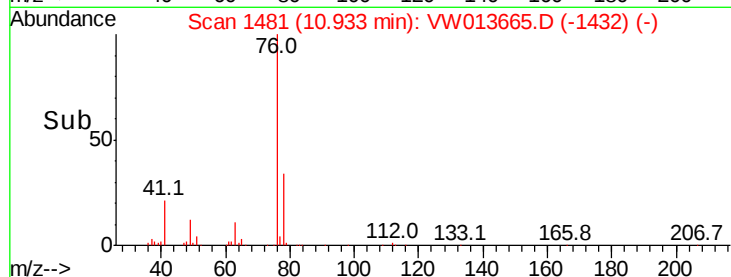
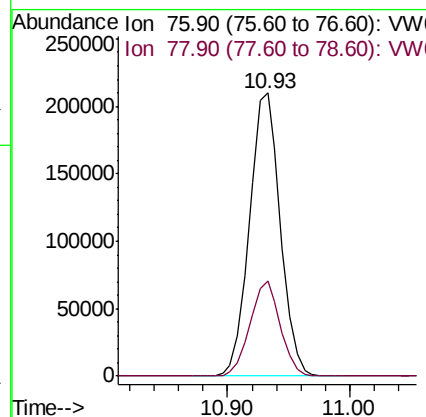
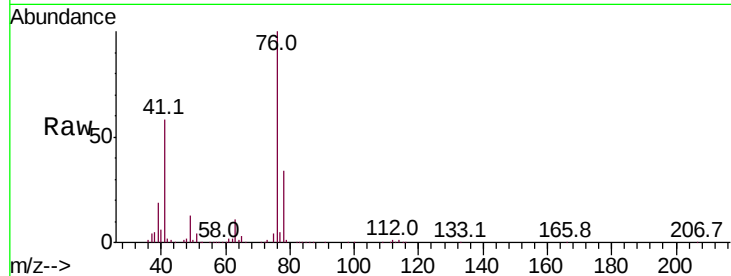
Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 76 Resp: 366334

Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.0	39.0



#58

2-Chloroethyl Vinyl ether

Concen: 495.521 ug/l

RT: 9.92 min Scan# 1315

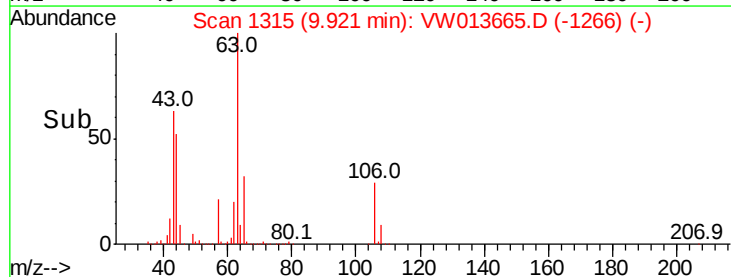
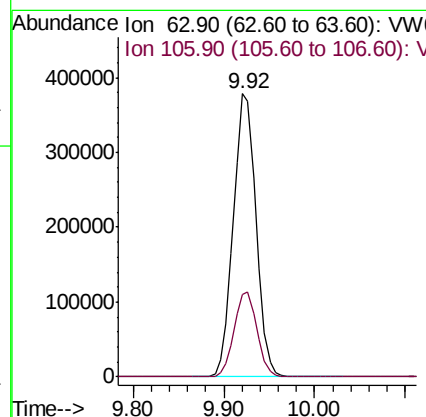
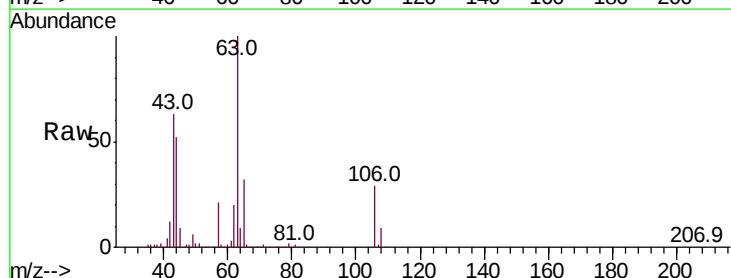
Delta R.T. -0.00 min

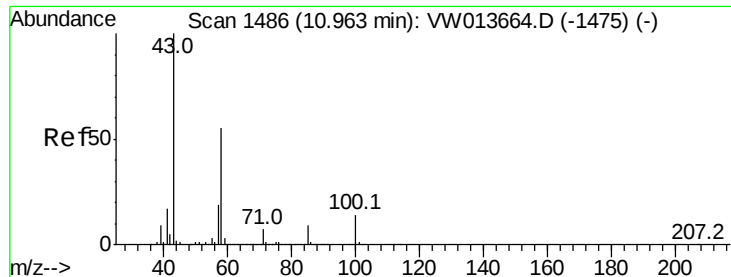
Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Tgt Ion: 63 Resp: 656751

Ion	Ratio	Lower	Upper
63	100		
106	30.2	23.8	35.8

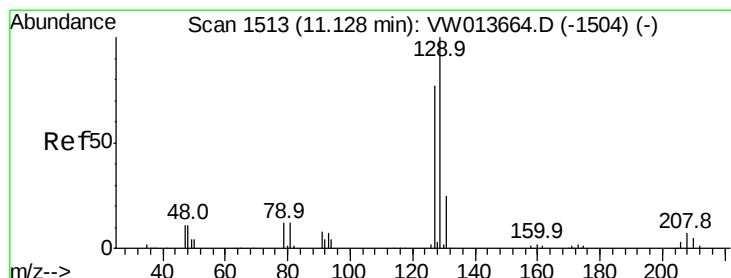
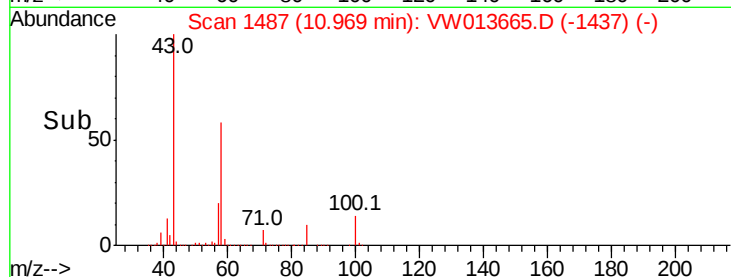
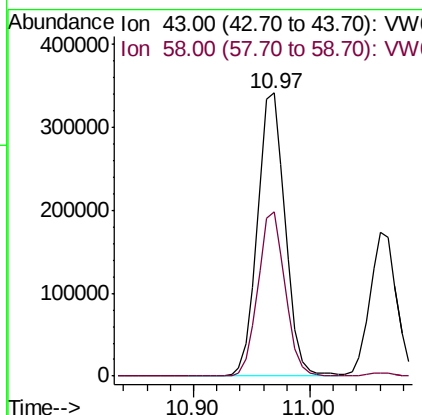
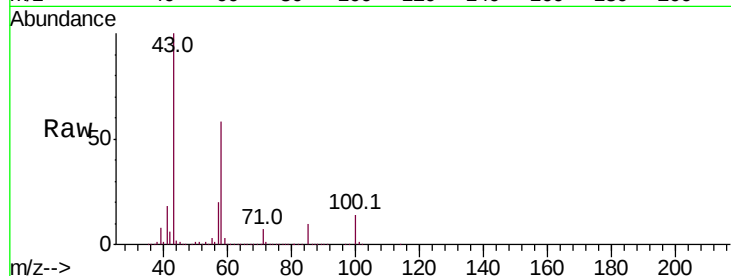




#59
2-Hexanone
Concen: 465.835 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

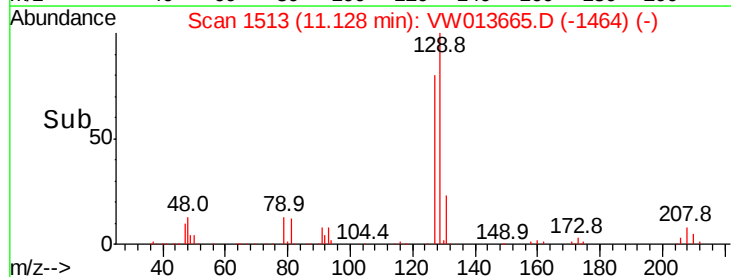
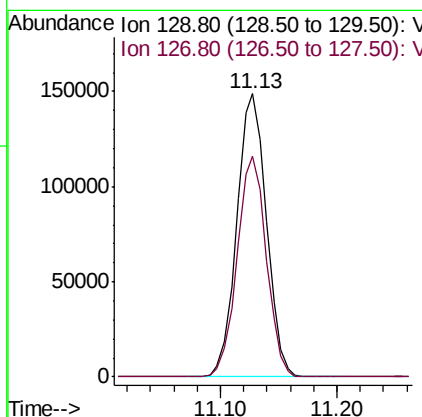
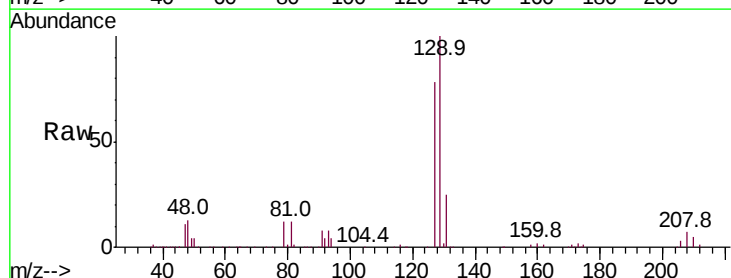
Instrument :
MSVOA_W
ClientSampleId :

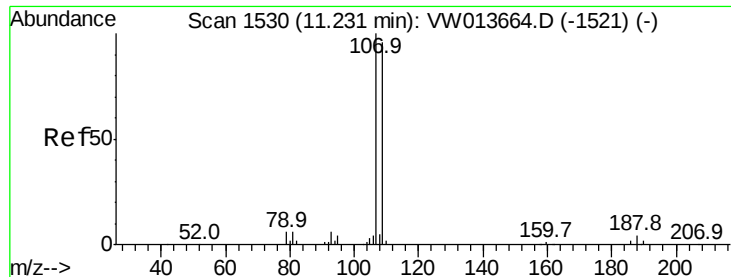
Tot Ion: 43 Resp: 569101
Ion Ratio Lower Upper
43 100
58 56.8 27.9 83.7



#60
Dibromochloromethane
Concen: 107.857 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion: 129 Resp: 263106
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.7





#61

1,2-Dibromoethane

Concen: 101.447 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

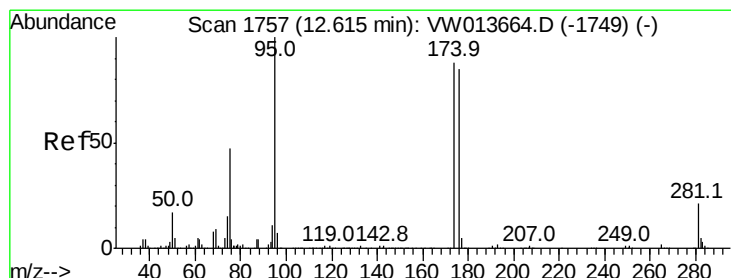
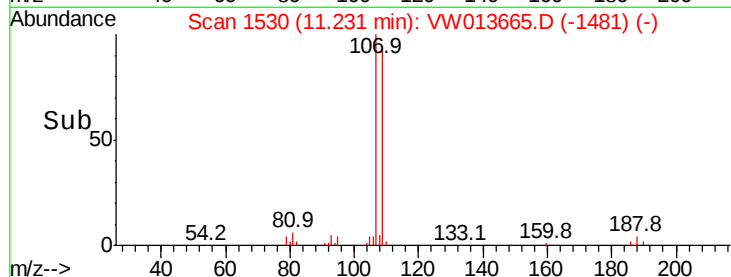
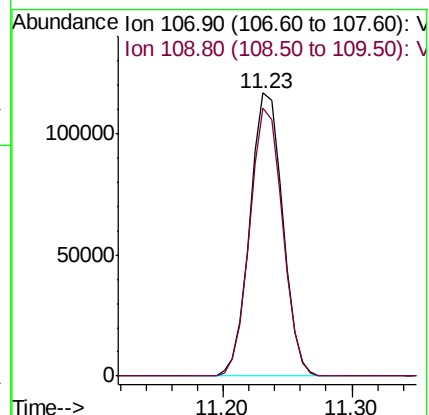
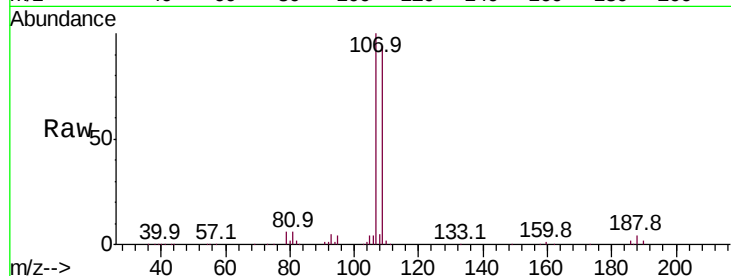
ClientSampleId :

Tot Ion:107 Resp: 204655

Ion Ratio Lower Upper

107 100

109 94.8 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 99.250 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

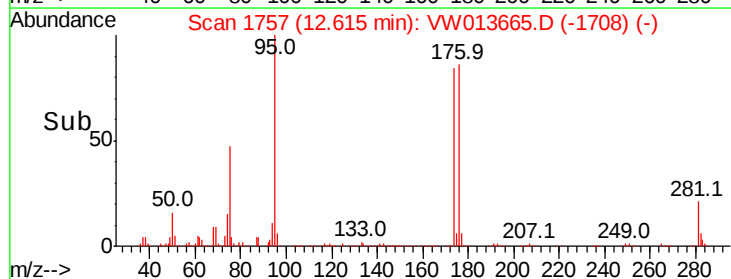
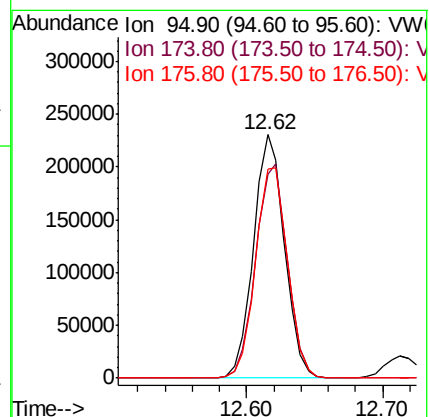
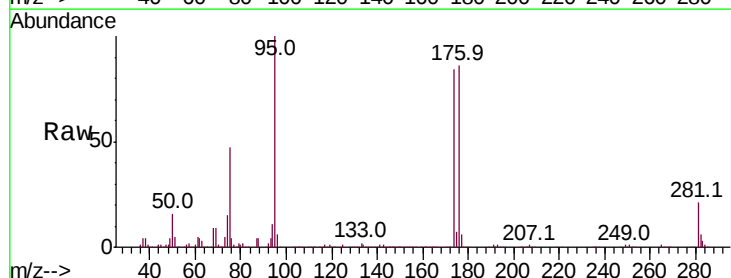
Tgt Ion: 95 Resp: 368190

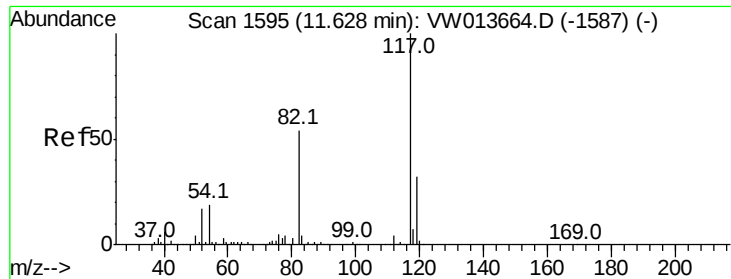
Ion Ratio Lower Upper

95 100

174 90.2 0.0 183.6

176 89.5 0.0 178.0

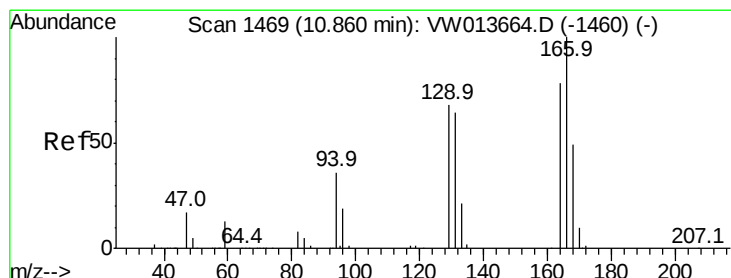
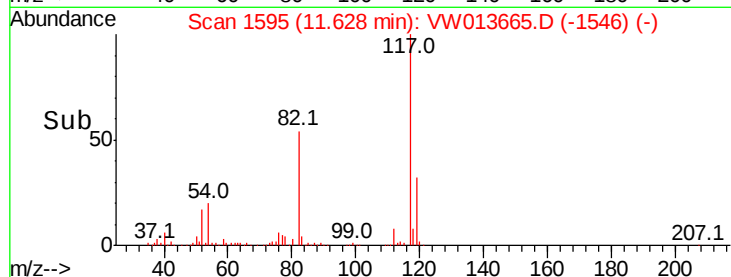
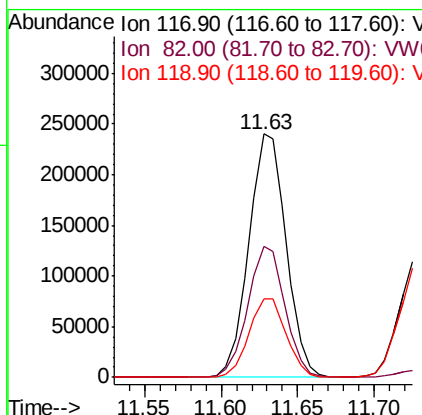
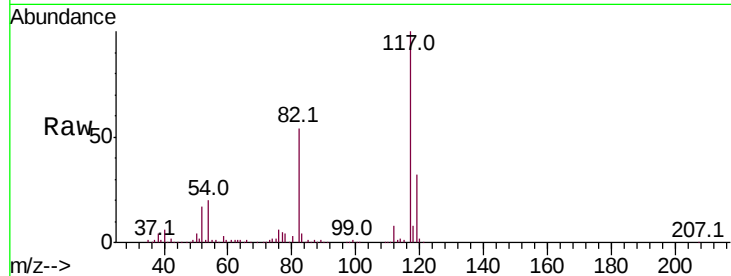




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

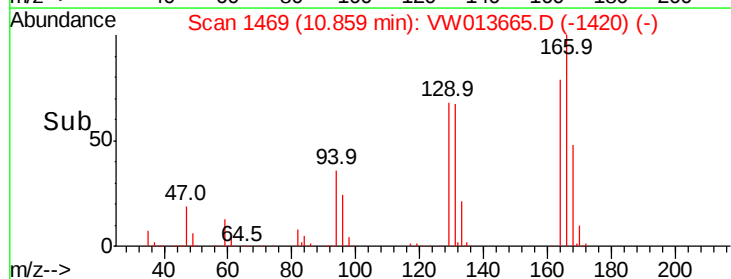
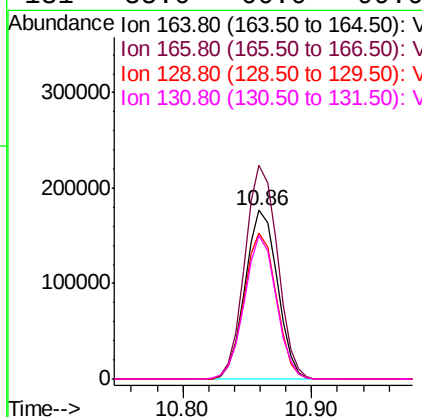
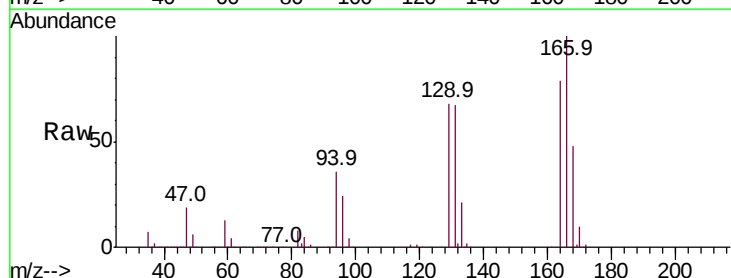
Instrument :
MSVOA_W
ClientSampleId :

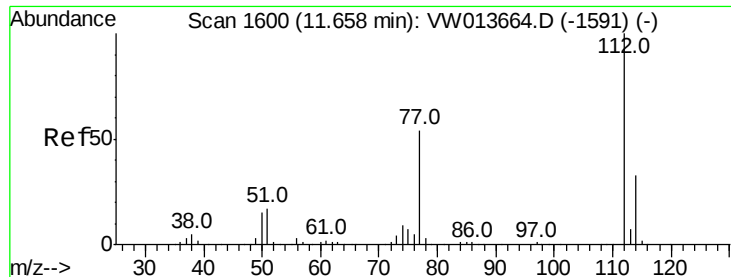
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.6	65.4
119	32.4	25.4	38.2



#64
Tetrachloroethene
Concen: 101.825 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	103.2	154.8
129	86.1	70.6	105.8
131	85.0	66.0	99.0





#65

Chlorobenzene

Concen: 101.370 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

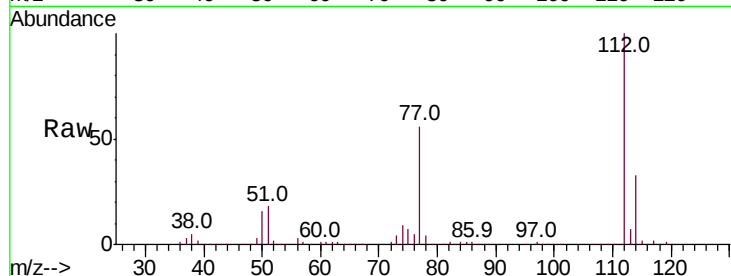
ClientSampleId :

Tot Ion:112 Resp: 823571

Ion Ratio Lower Upper

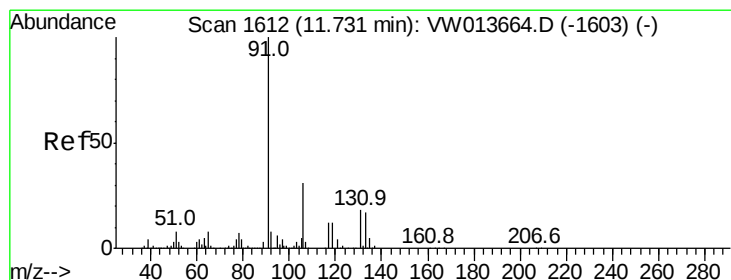
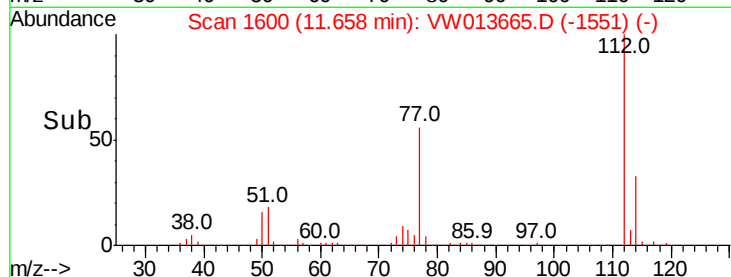
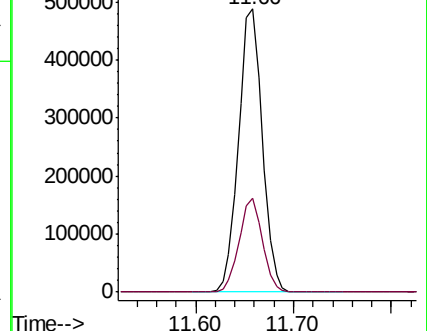
112 100

114 33.2 26.2 39.4



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: 104.973 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

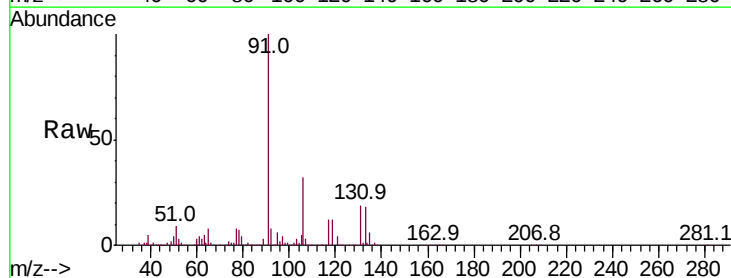
Tgt Ion:131 Resp: 296965

Ion Ratio Lower Upper

131 100

133 95.9 47.4 142.3

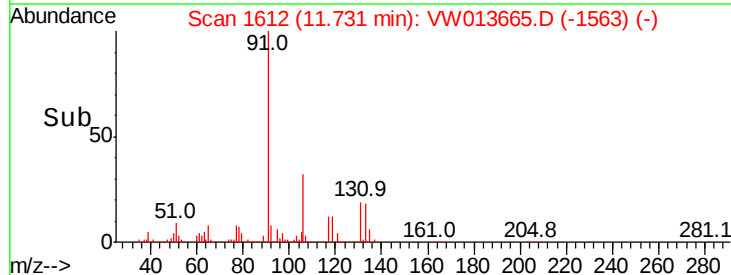
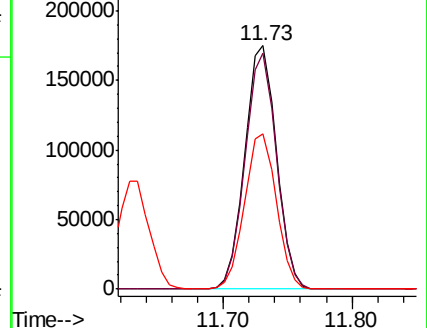
119 64.2 33.1 99.2

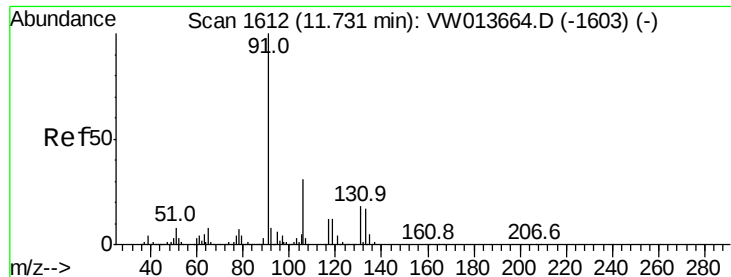


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

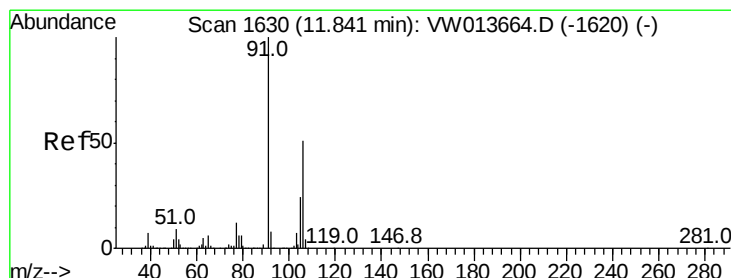
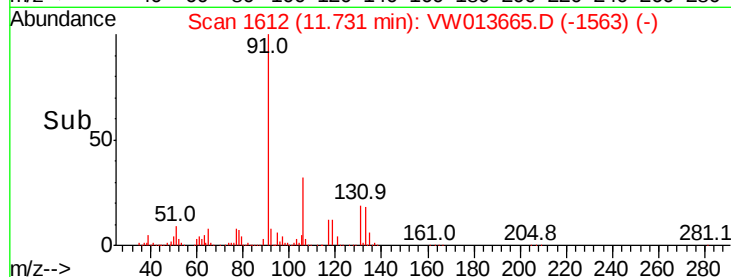
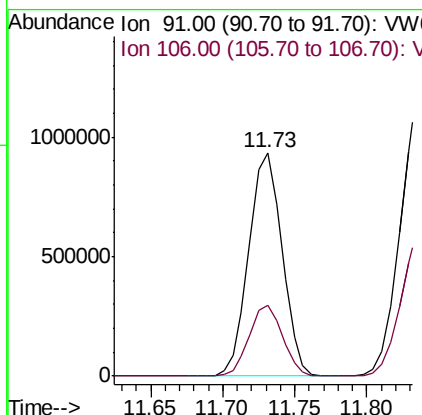
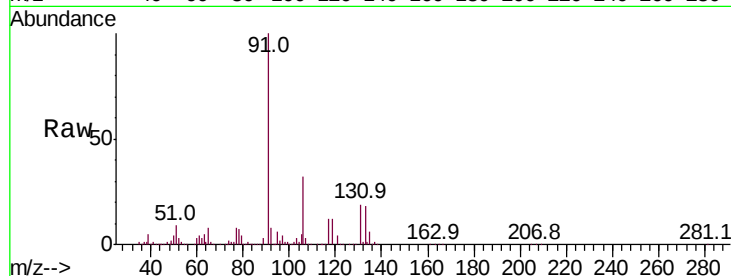




#67
Ethyl Benzene
Concen: 100.690 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

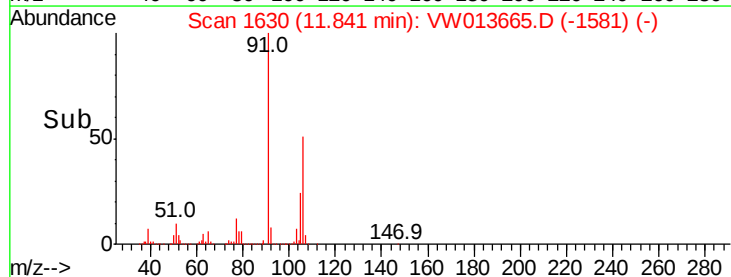
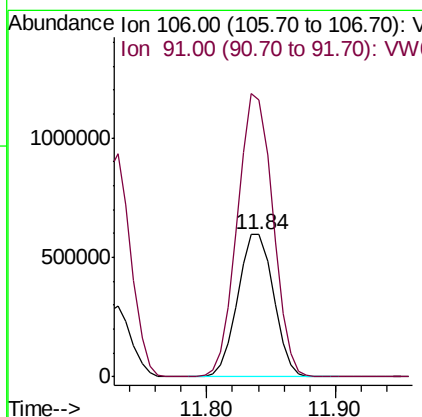
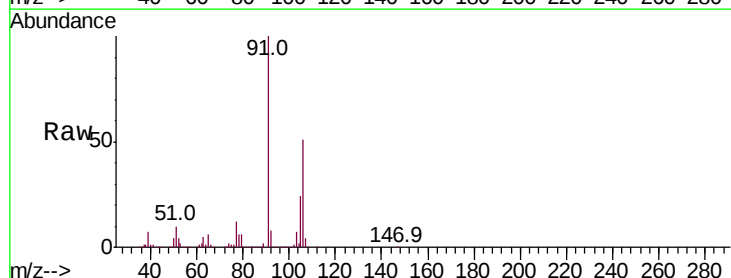
Instrument :
MSVOA_W
ClientSampleId :

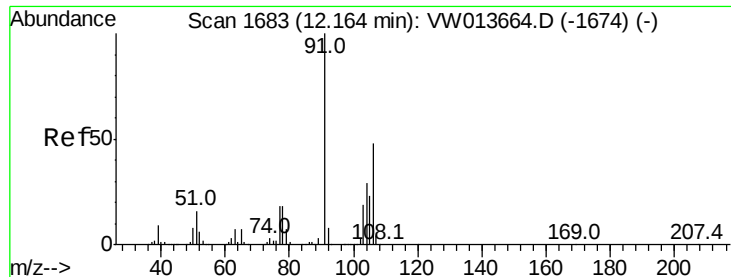
Tot Ion: 91 Resp: 1496657
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.6



#68
m/p-Xylenes
Concen: 203.698 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion: 106 Resp: 1151796
Ion Ratio Lower Upper
106 100
91 196.9 159.2 238.8

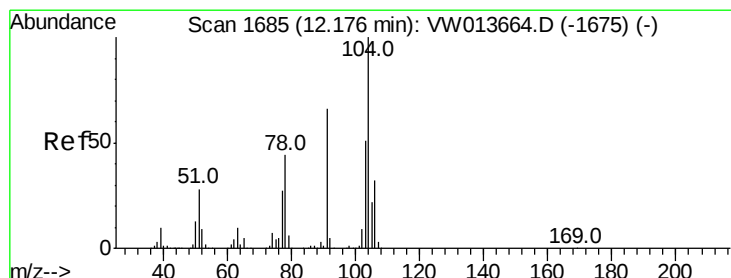
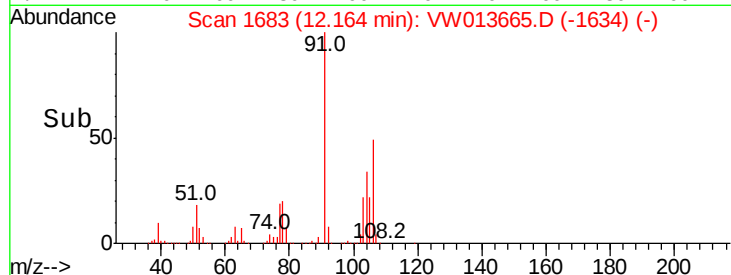
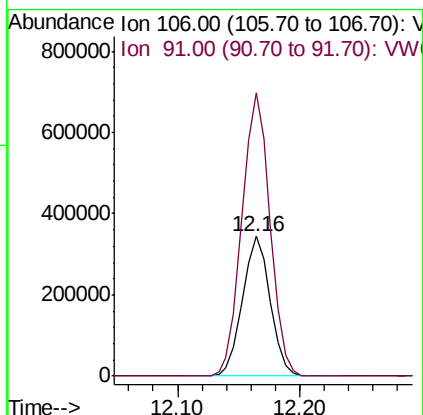
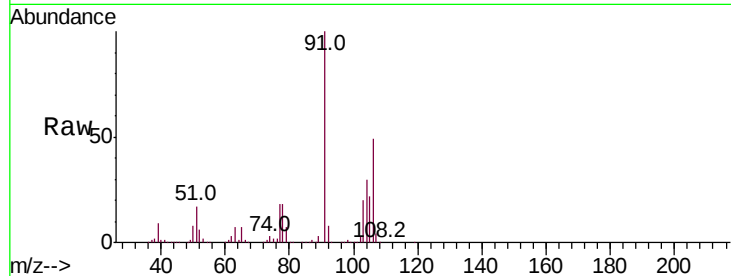




#69
o-Xylene
Concen: 103.136 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

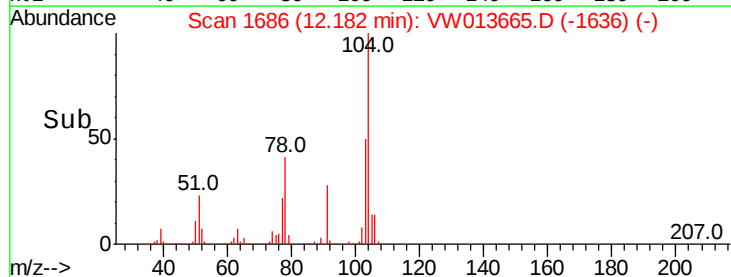
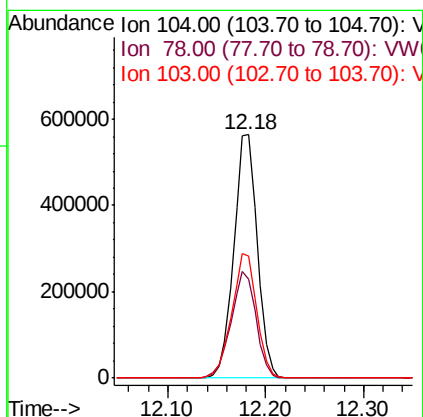
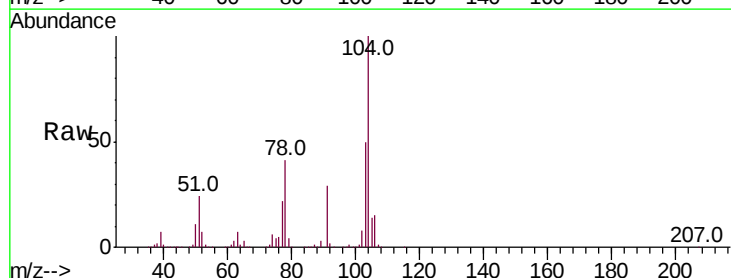
Instrument :
MSVOA_W
ClientSampleId :

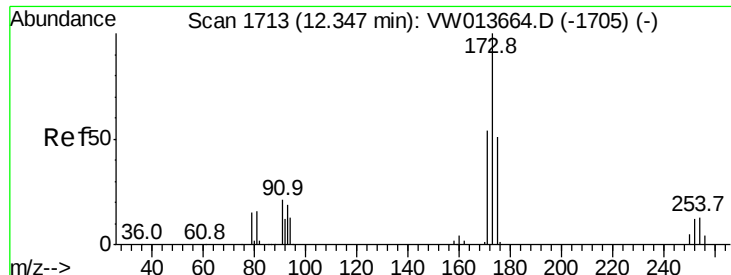
Tot Ion:106 Resp: 539798
Ion Ratio Lower Upper
106 100
91 205.7 104.9 314.7



#70
Styrene
Concen: 104.440 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion:104 Resp: 937991
Ion Ratio Lower Upper
104 100
78 46.5 37.1 55.7
103 54.1 43.6 65.4





#71

Bromoform

Concen: 100.595 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

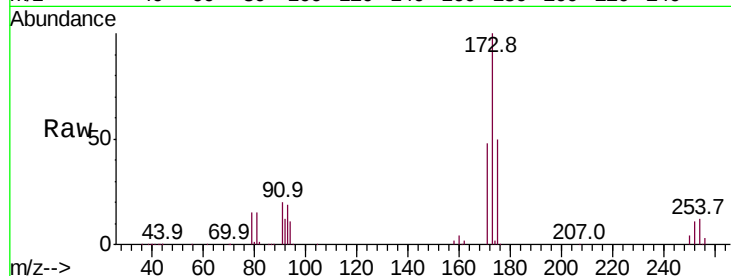
Tot Ion:173 Resp: 154802

Ion Ratio Lower Upper

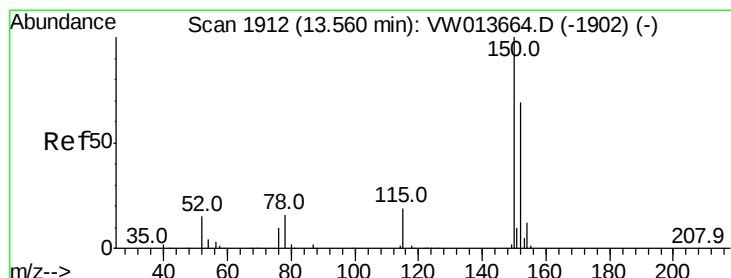
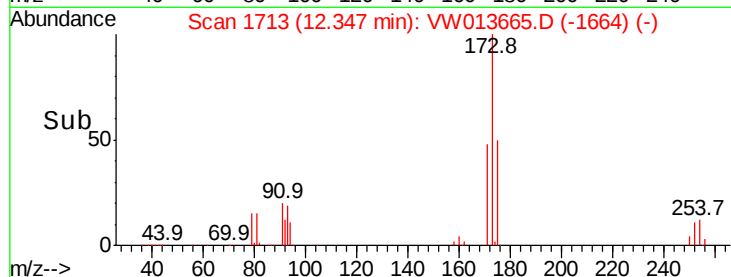
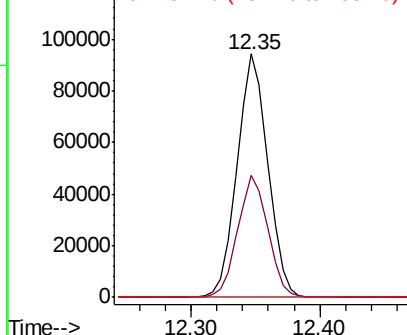
173 100

175 49.3 25.2 75.6

254 0.1 0.1 0.1#



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: VW013665.D

Acq: 23 Oct 2019 13:08

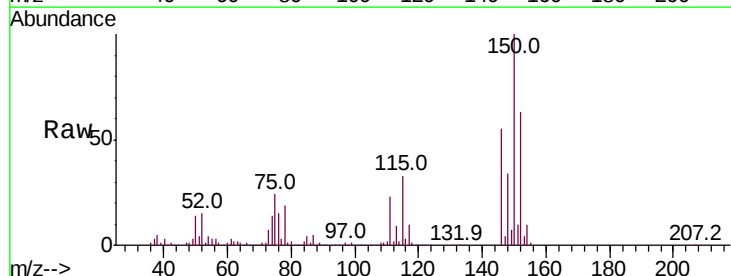
Tgt Ion:152 Resp: 204784

Ion Ratio Lower Upper

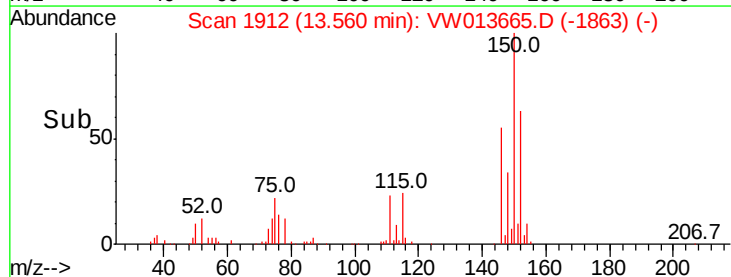
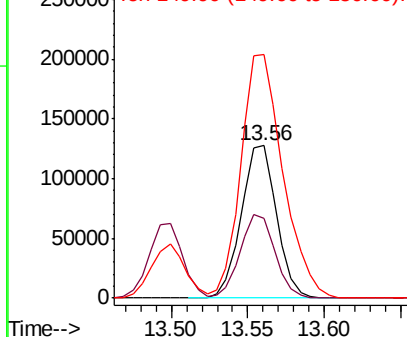
152 100

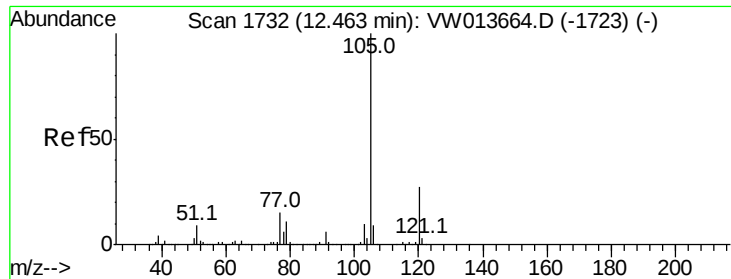
115 53.7 27.4 82.2

150 189.7 0.0 345.4



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

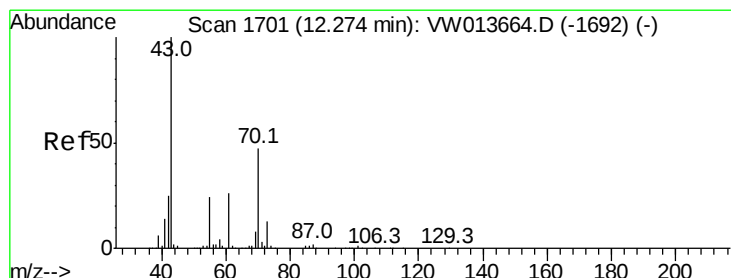
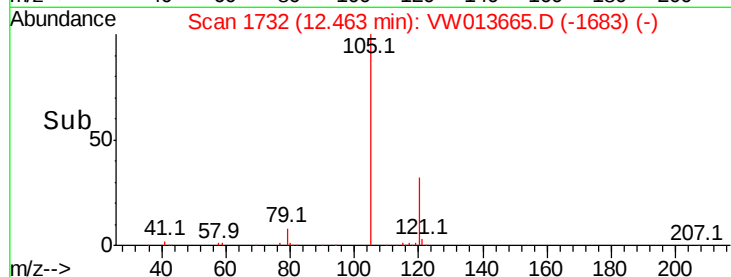
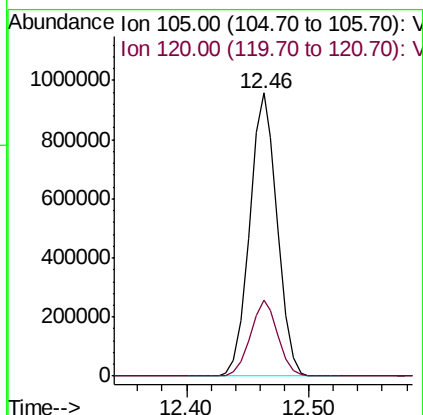
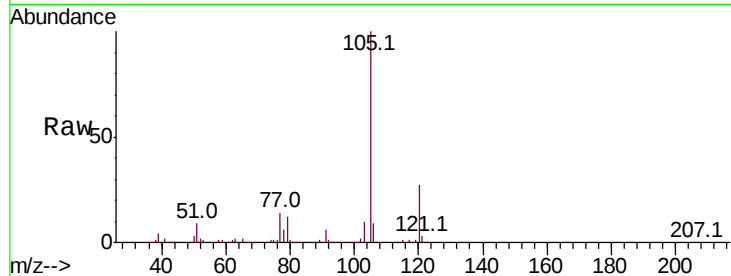




#73
Isopropylbenzene
Concen: 101.518 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

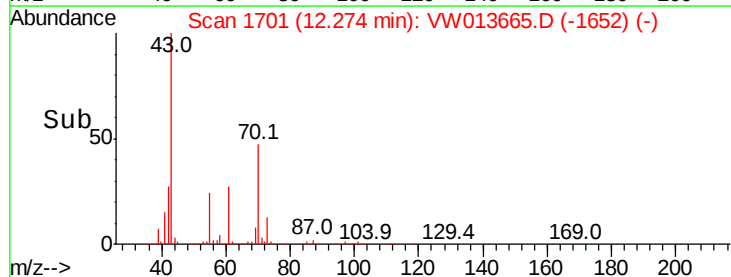
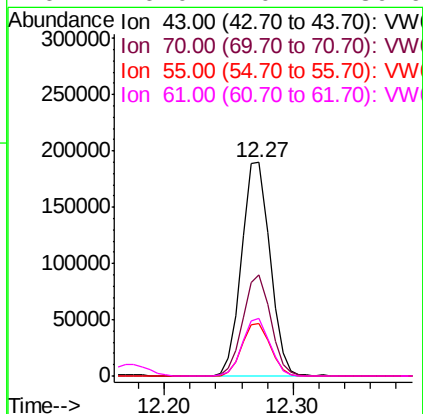
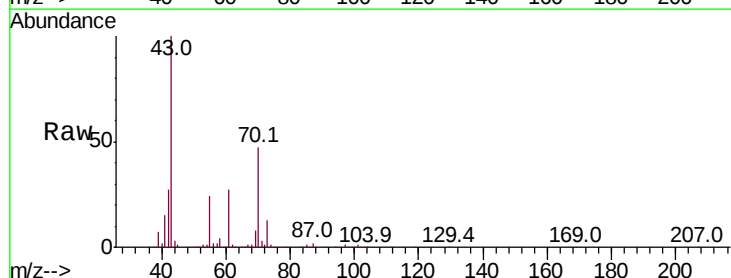
Instrument :
MSVOA_W
ClientSampled :

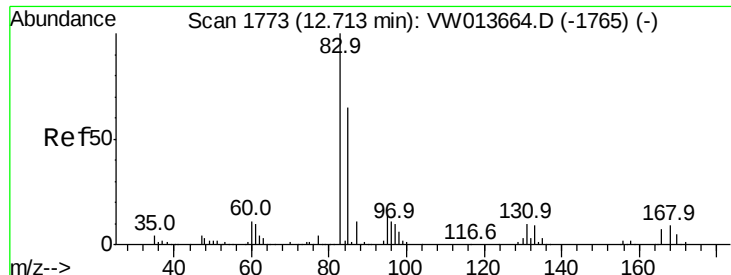
Tot Ion:105 Resp: 1492147
Ion Ratio Lower Upper
105 100
120 26.6 13.5 40.4



#74
N-ethyl acetate
Concen: 91.861 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion: 43 Resp: 289916
Ion Ratio Lower Upper
43 100
70 46.1 36.6 55.0
55 24.9 20.3 30.5
61 26.0 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 91.230 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

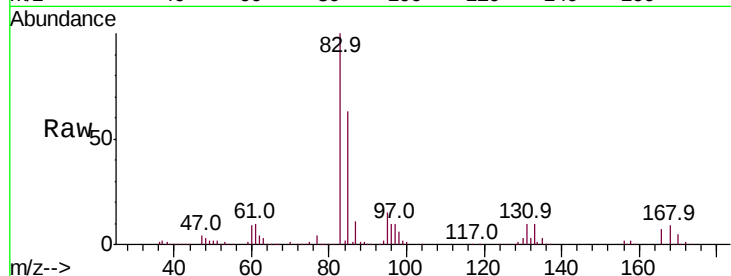
Tot Ion: 83 Resp: 225834

Ion Ratio Lower Upper

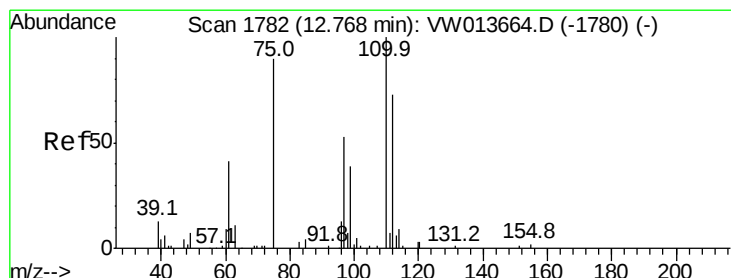
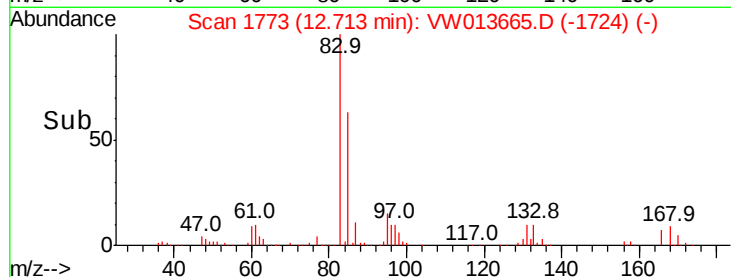
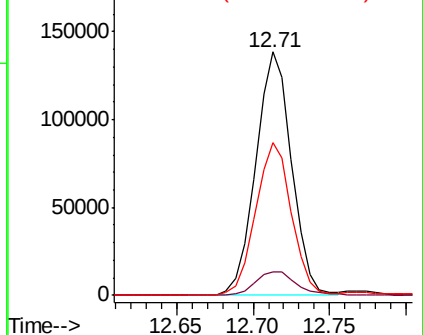
83 100

131 11.3 5.7 17.1

85 62.8 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 172.835 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013665.D

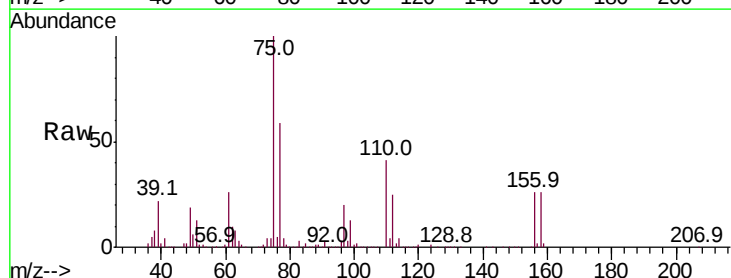
Acq: 23 Oct 2019 13:08

Tgt Ion: 75 Resp: 290790

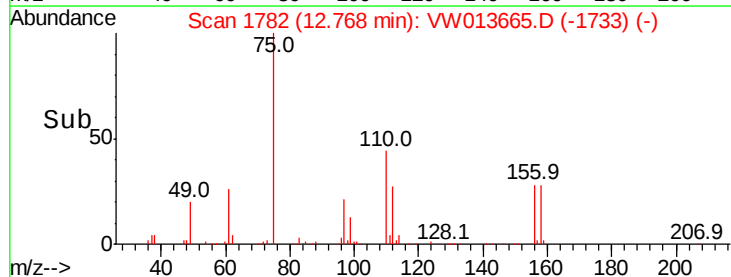
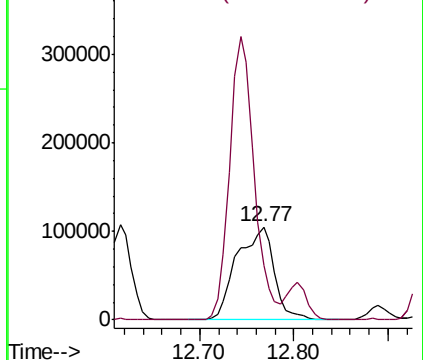
Ion Ratio Lower Upper

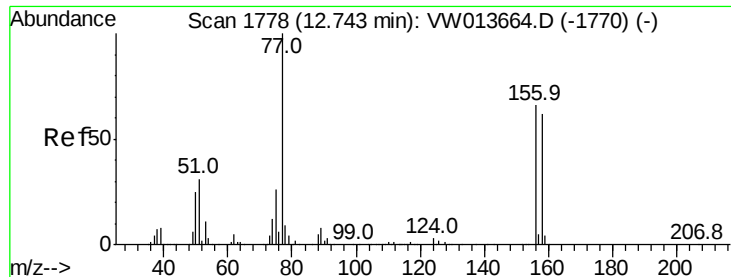
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 100.019 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

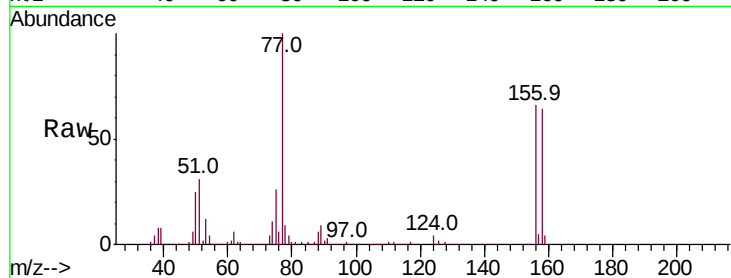
Tot Ion:156 Resp: 349592

Ion Ratio Lower Upper

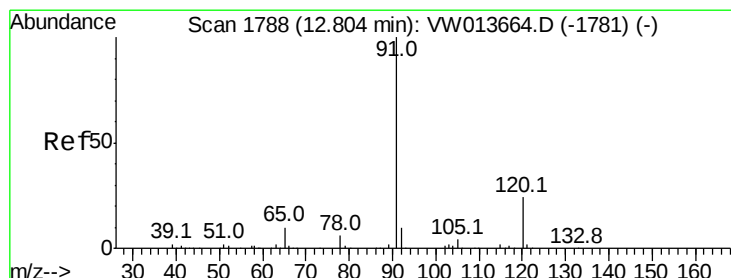
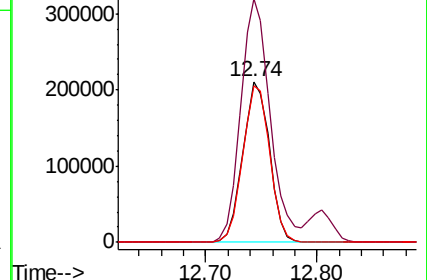
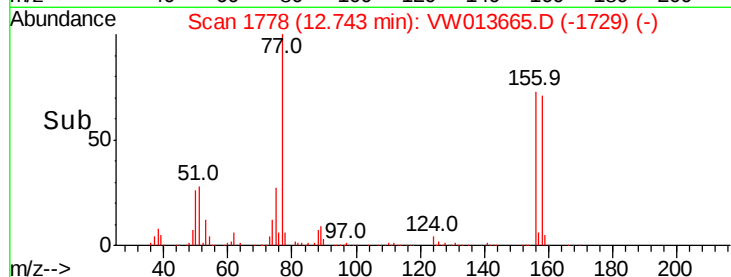
156 100

77 167.4 82.9 248.7

158 98.5 48.4 145.2



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: 99.785 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013665.D

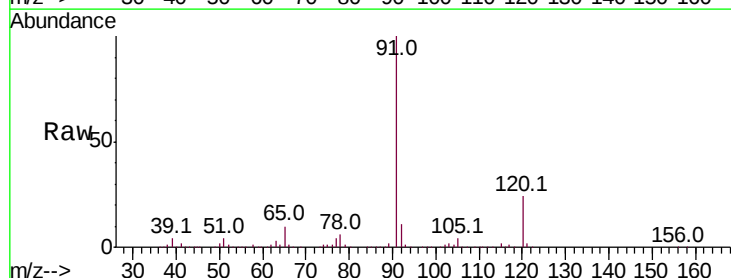
Acq: 23 Oct 2019 13:08

Tgt Ion: 91 Resp: 1696749

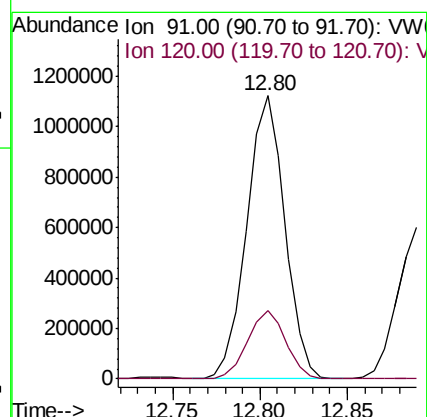
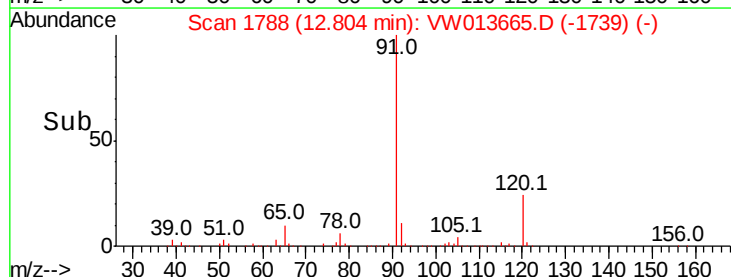
Ion Ratio Lower Upper

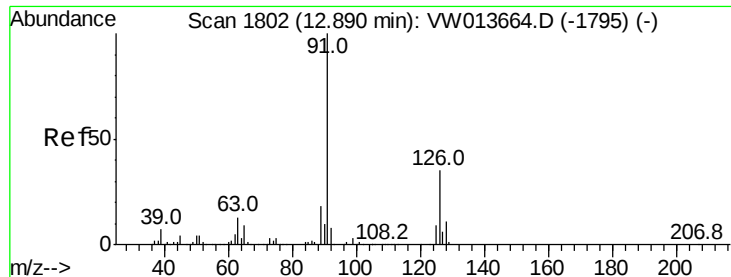
91 100

120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V

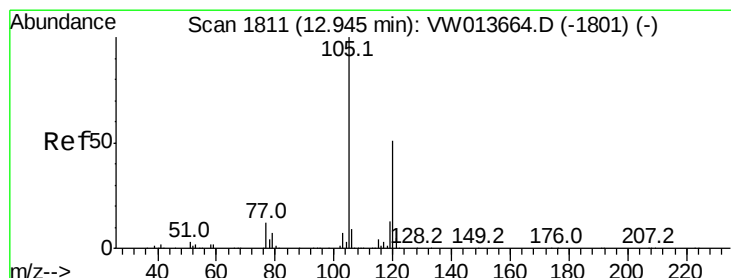
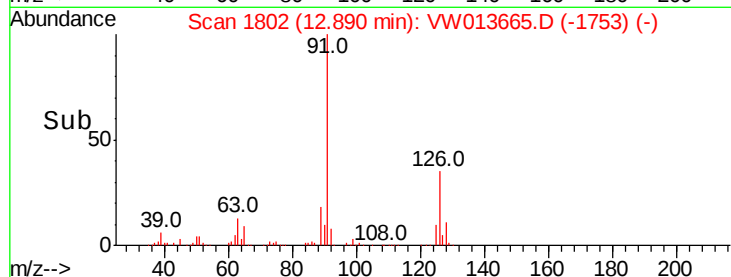
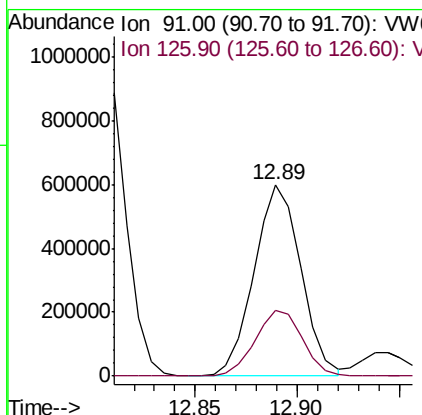
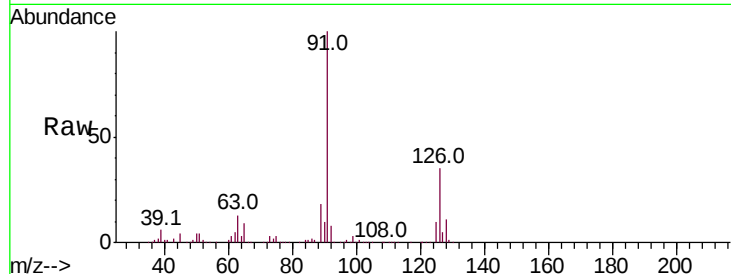




#79
2-Chlorotoluene
Concen: 100.304 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

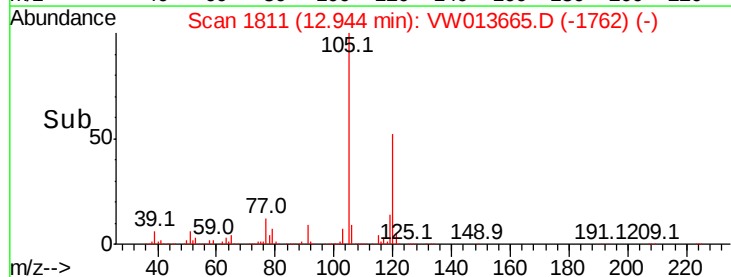
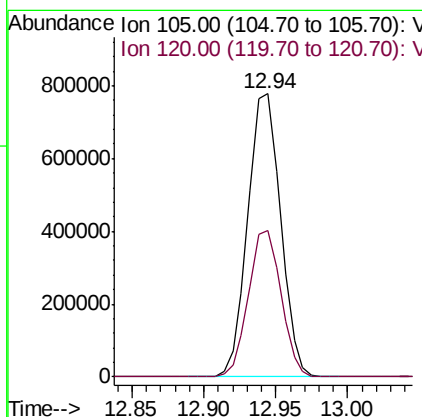
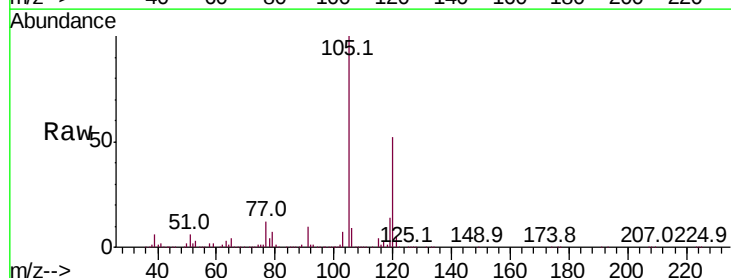
Instrument :
MSVOA_W
ClientSampleId :

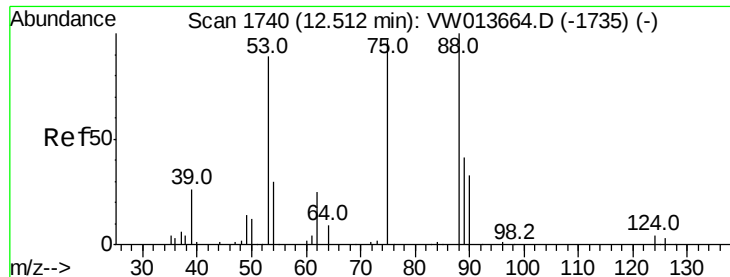
Tot Ion: 91 Resp: 957289
Ion Ratio Lower Upper
91 100
126 35.0 17.4 52.2



#80
1,3,5-Trimethylbenzene
Concen: 99.761 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion:105 Resp: 1224277
Ion Ratio Lower Upper
105 100
120 51.3 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 98.217 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

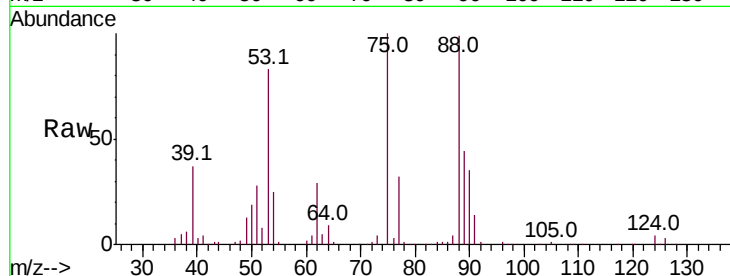
Tot Ion: 75 Resp: 81089

Ion Ratio Lower Upper

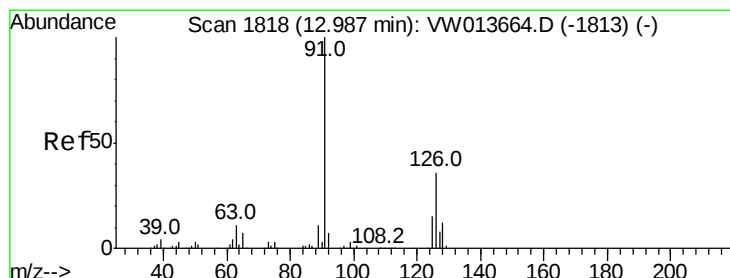
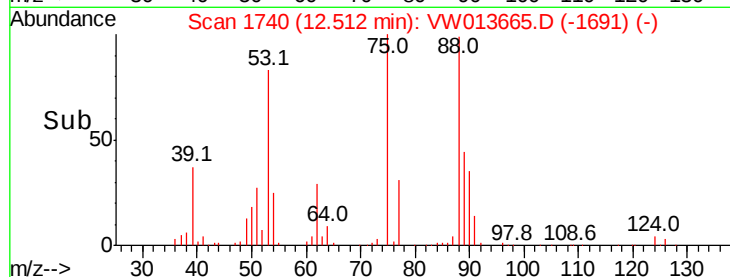
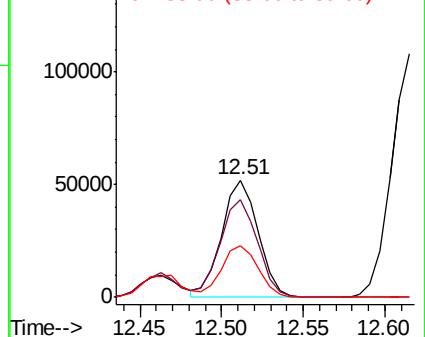
75 100

53 85.6 71.7 107.5

89 44.0 35.8 53.8



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 100.187 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013665.D

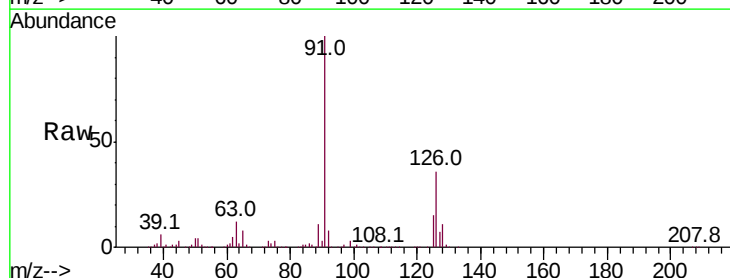
Acq: 23 Oct 2019 13:08

Tgt Ion: 91 Resp: 994735

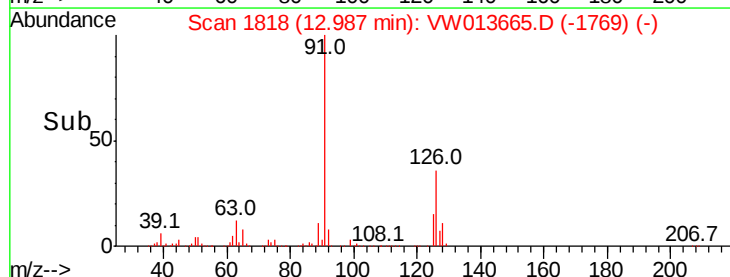
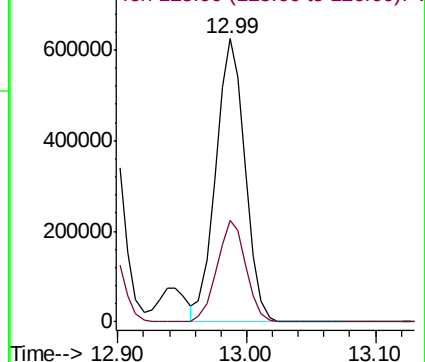
Ion Ratio Lower Upper

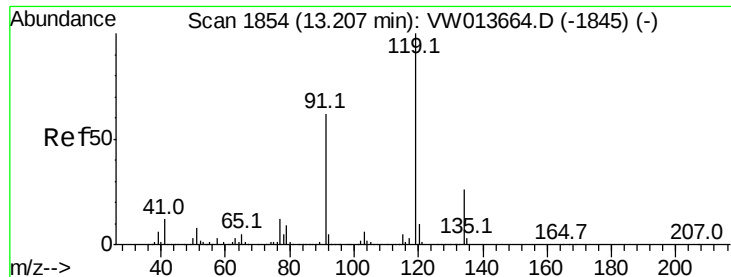
91 100

126 35.3 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

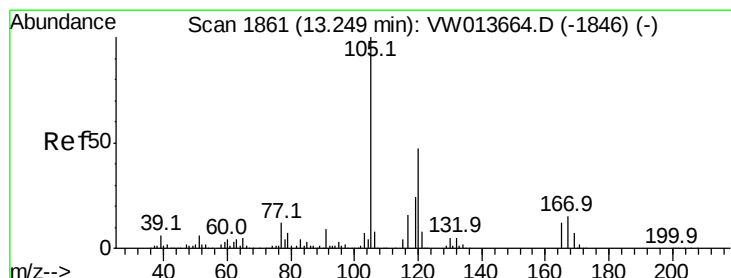
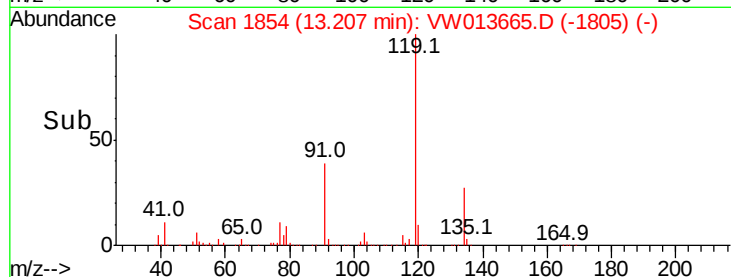
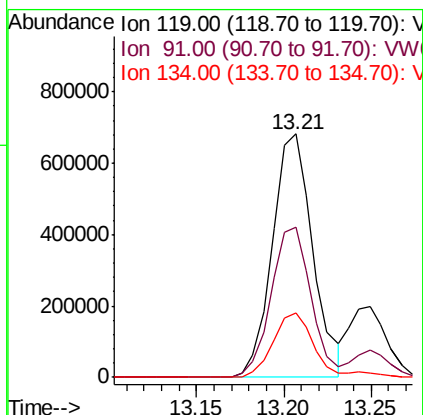
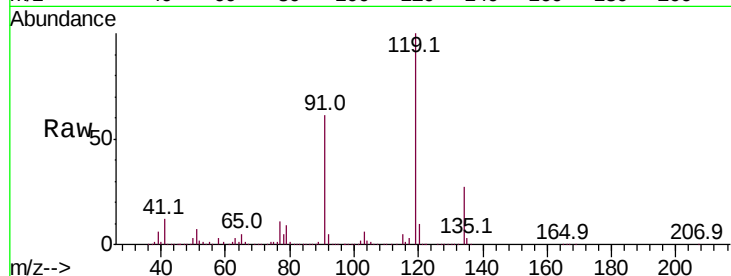




#83
tert-Butylbenzene
Concen: 100.973 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

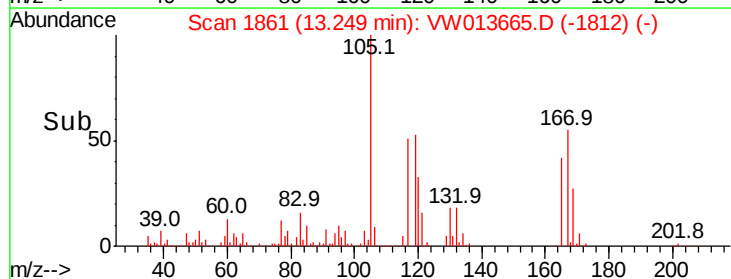
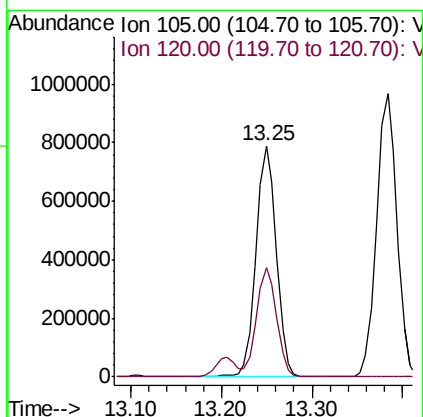
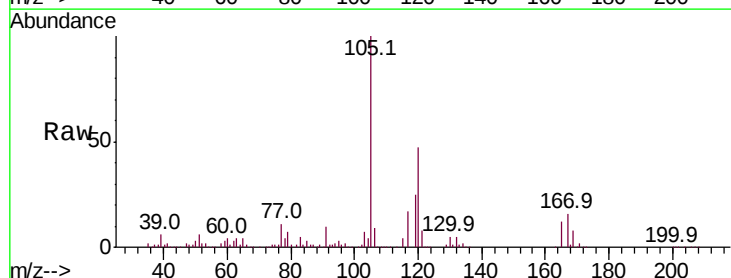
Instrument :
MSVOA_W
ClientSampleId :

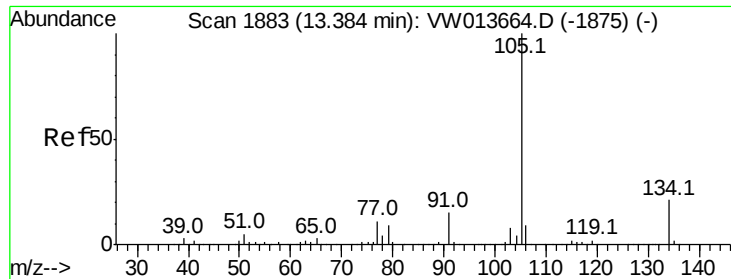
Tot Ion:119 Resp: 1100346
Ion Ratio Lower Upper
119 100
91 60.5 30.4 91.3
134 27.5 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 100.623 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion:105 Resp: 1221311
Ion Ratio Lower Upper
105 100
120 46.4 23.5 70.5

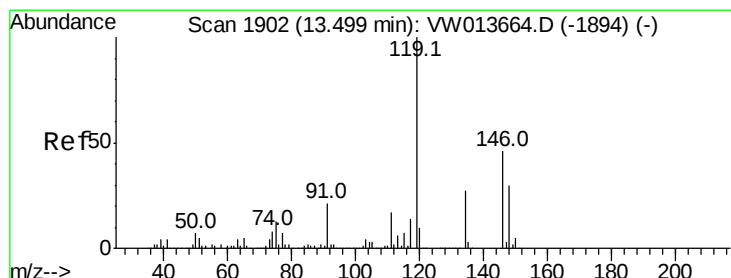
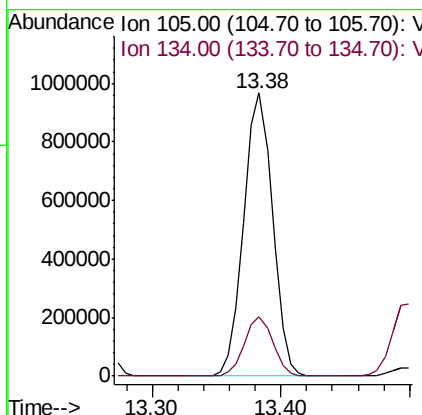
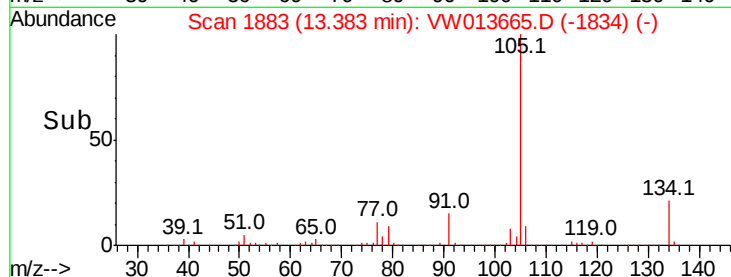
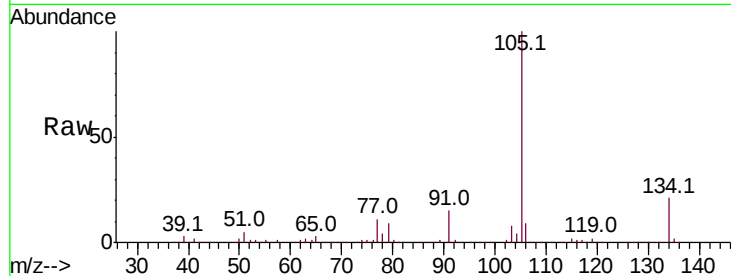




#85
 sec-Butylbenzene
 Concen: 99.871 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

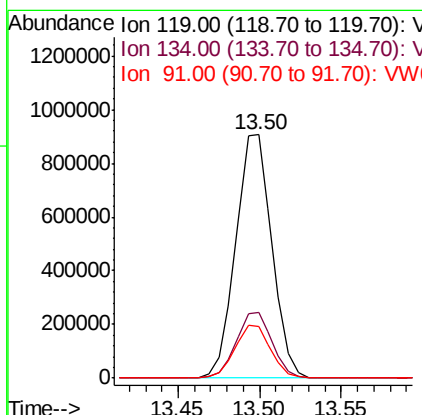
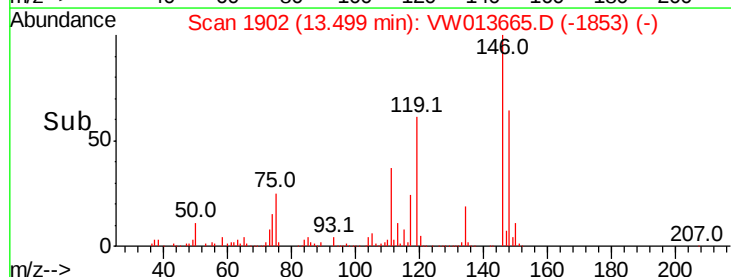
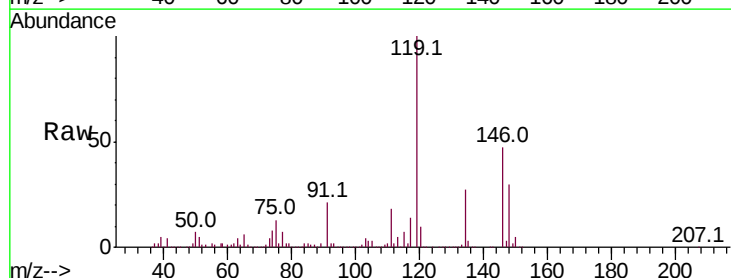
Instrument :
 MSVOA_W
 ClientSampled :

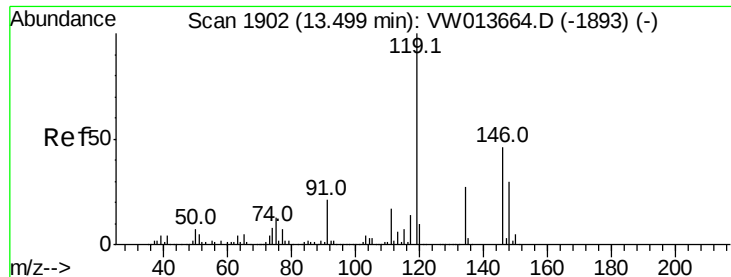
Tot Ion:105 Resp: 1498102
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 101.165 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Tgt Ion:119 Resp: 1397768
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.1
 91 21.3 10.8 32.3

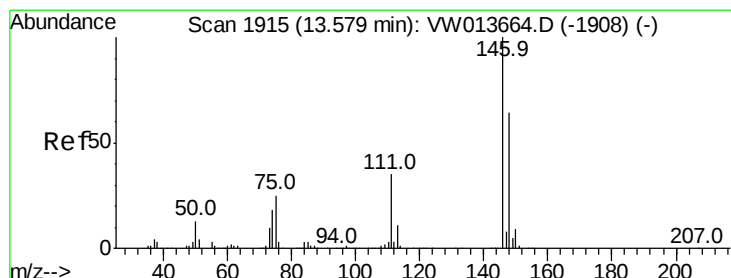
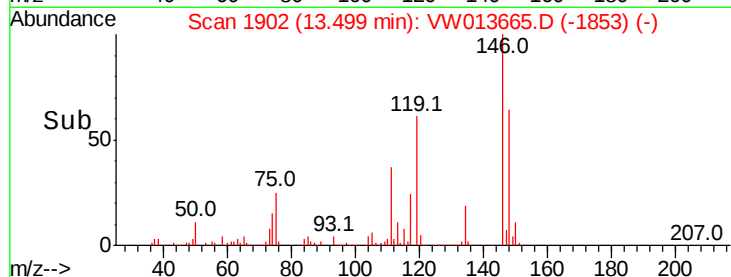
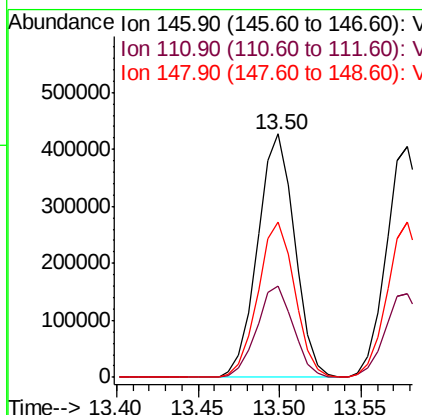
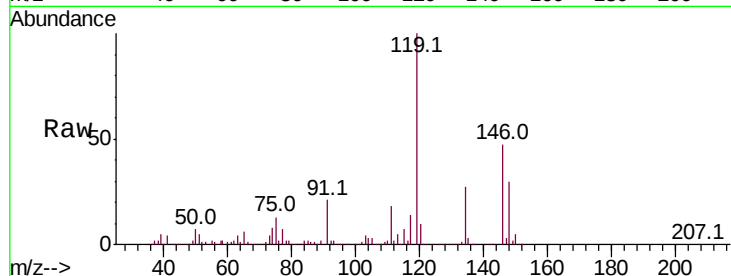




#87
 1,3-Dichlorobenzene
 Concen: 101.789 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

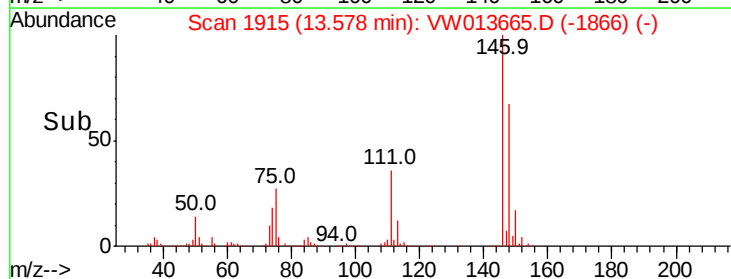
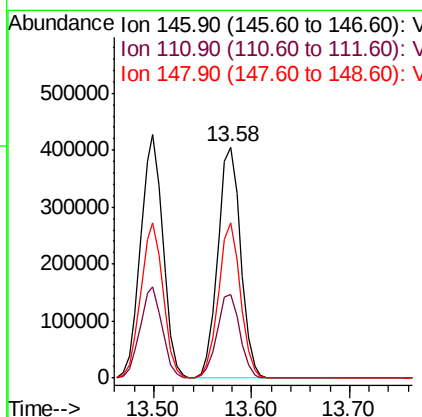
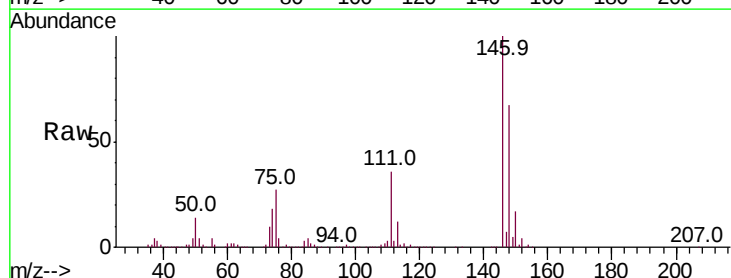
Instrument :
 MSVOA_W
 ClientSampleId :

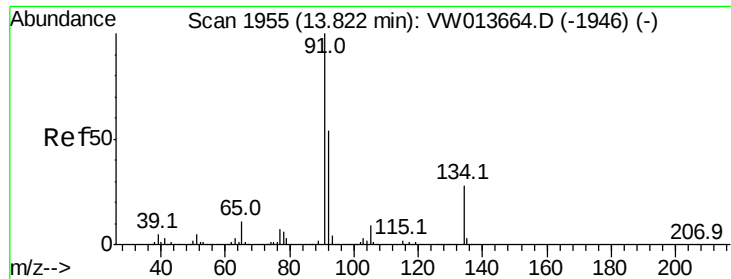
Tot Ion:146 Resp: 676342
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.6 56.0
 148 63.5 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 100.669 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Tgt Ion:146 Resp: 655541
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.1 54.3
 148 64.8 32.0 96.2

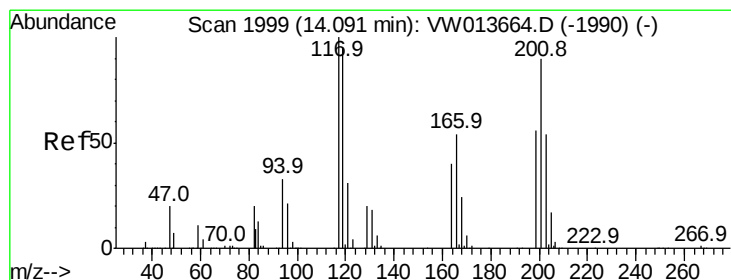
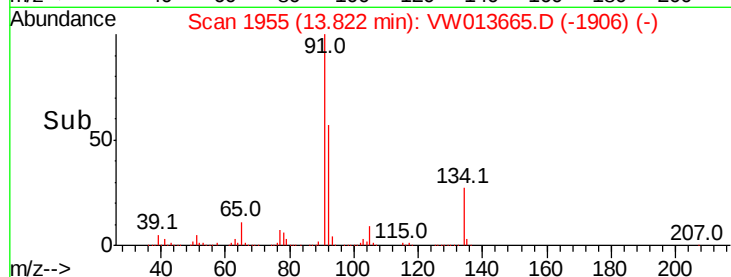
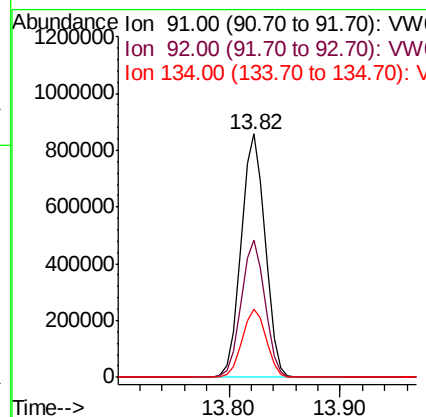
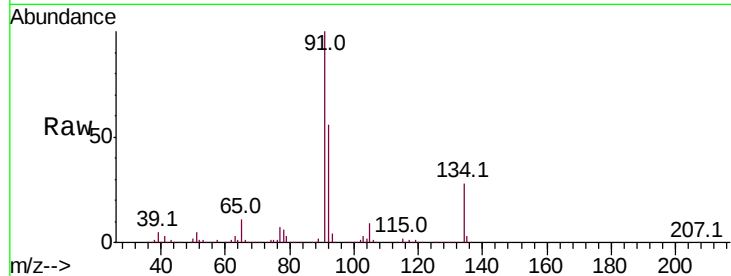




#89
n-Butylbenzene
Concen: 102.219 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

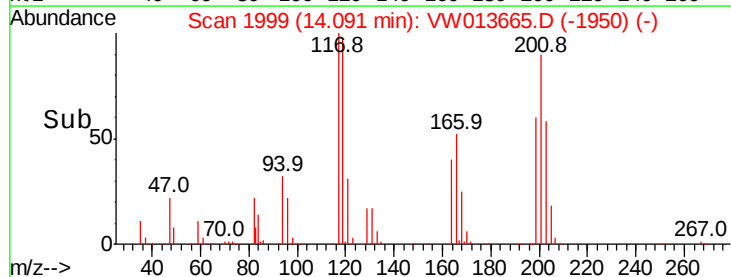
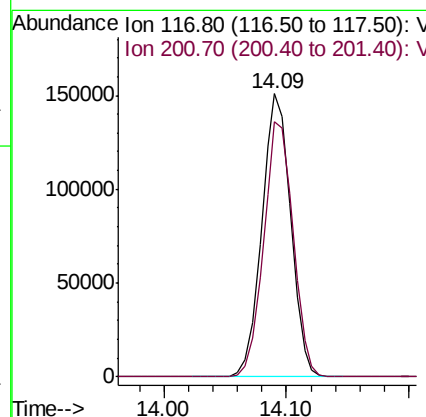
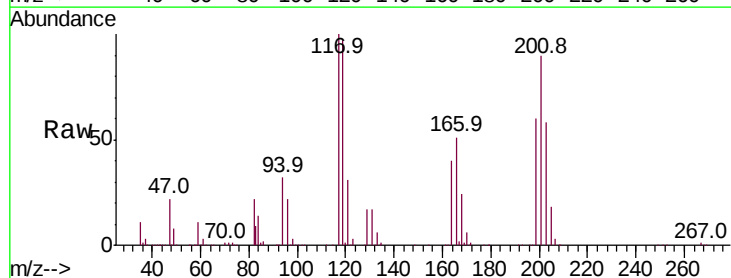
Instrument :
MSVOA_W
ClientSampled :

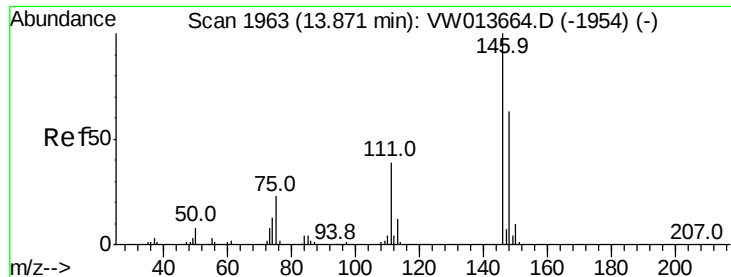
Tot Ion: 91 Resp: 1275315
Ion Ratio Lower Upper
91 100
92 55.7 27.5 82.4
134 28.2 14.0 41.9



#90
Hexachloroethane
Concen: 104.321 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion: 117 Resp: 248284
Ion Ratio Lower Upper
117 100
201 91.7 46.1 138.2

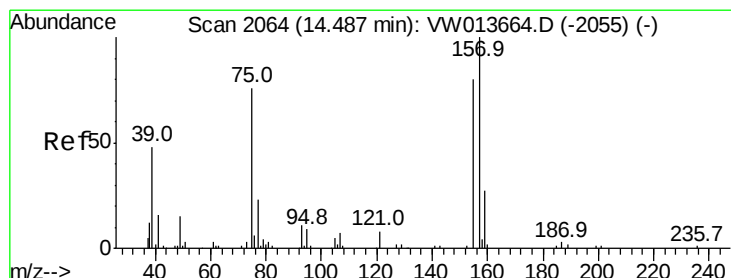
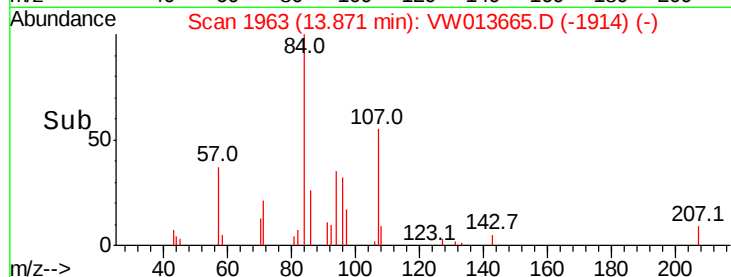
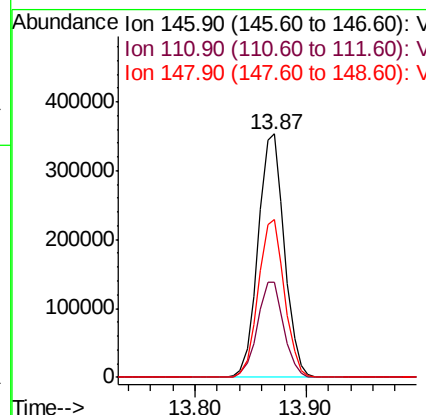
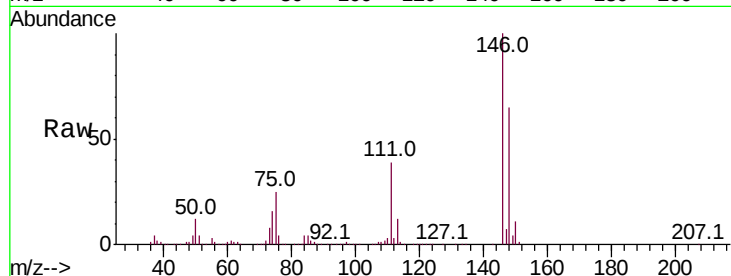




#91
 1,2-Dichlorobenzene
 Concen: 99.080 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

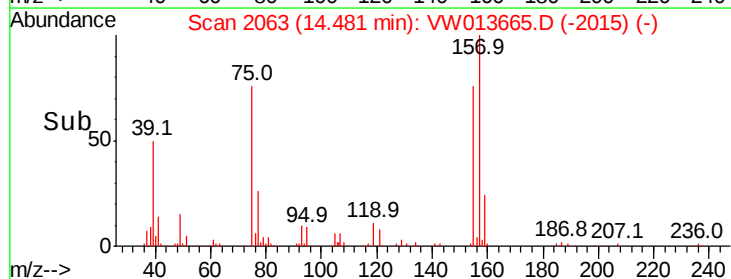
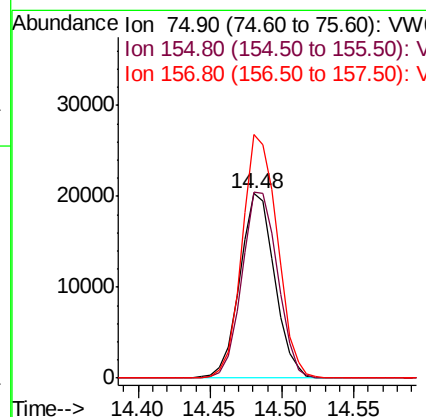
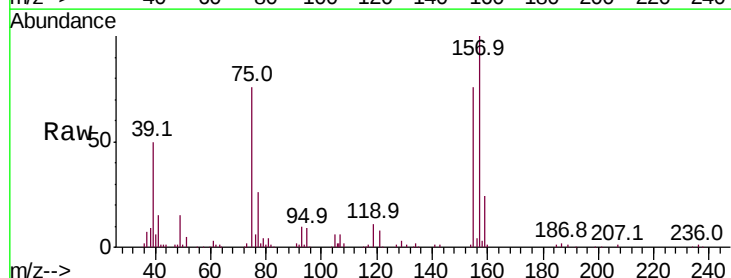
Instrument :
 MSVOA_W
 ClientSampled :

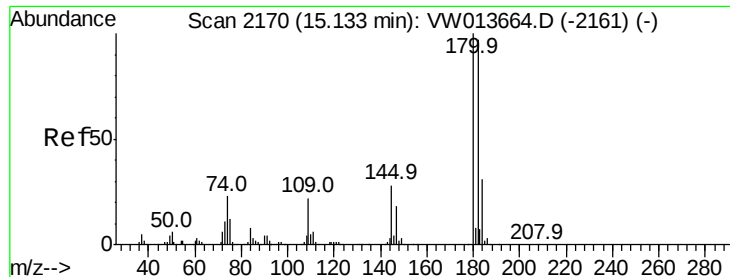
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.9	59.6
148	64.7	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 86.980 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.6	51.9	155.7
157	133.0	64.8	194.3

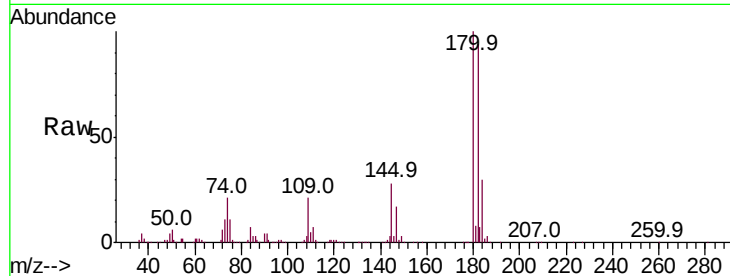




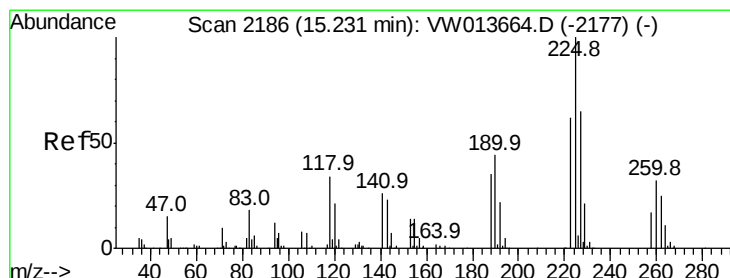
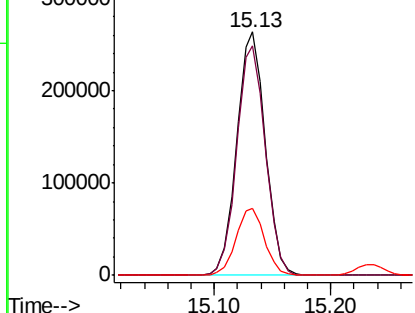
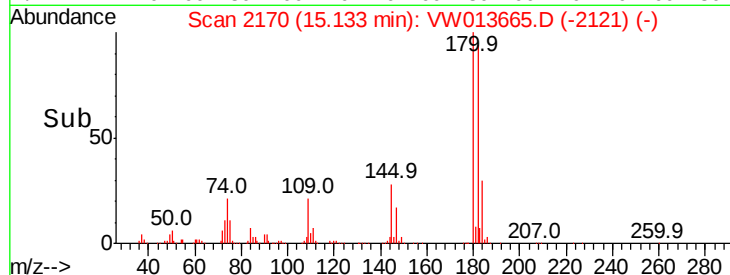
#93
 1,2,4-Trichlorobenzene
 Concen: 107.612 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.2
145	27.6	14.1	42.3

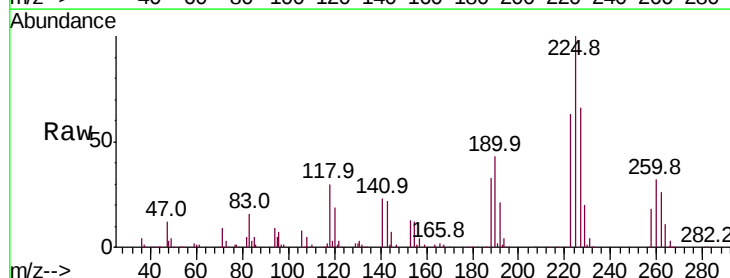


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

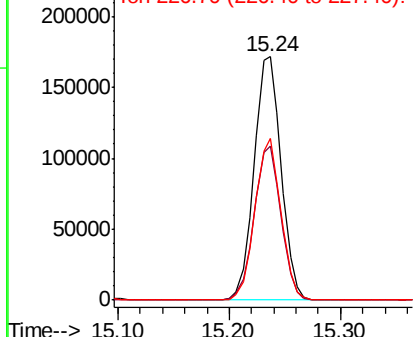
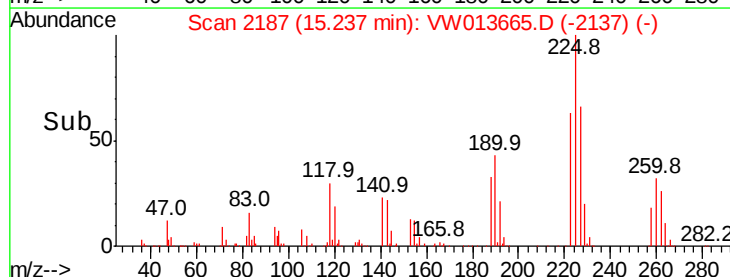


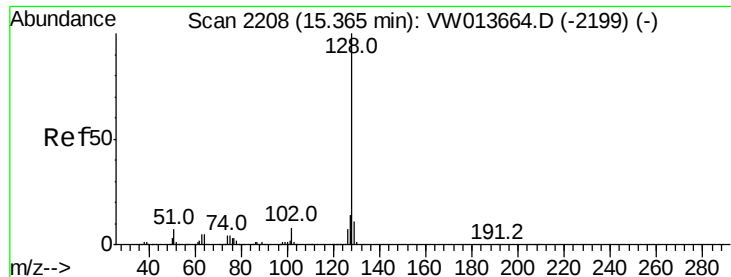
#94
 Hexachlorobutadiene
 Concen: 105.233 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.9	95.9
227	63.9	32.5	97.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

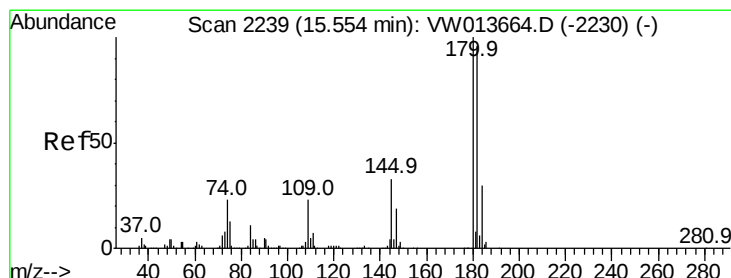
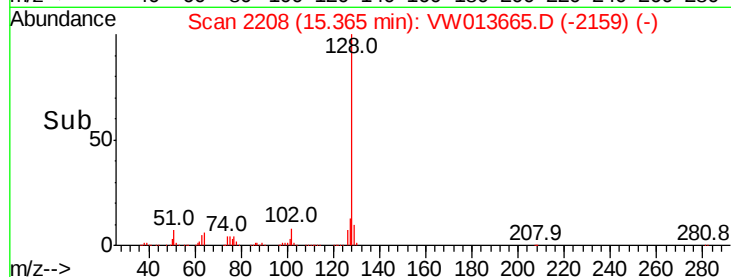
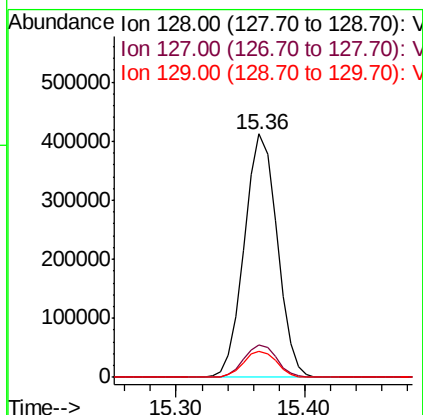
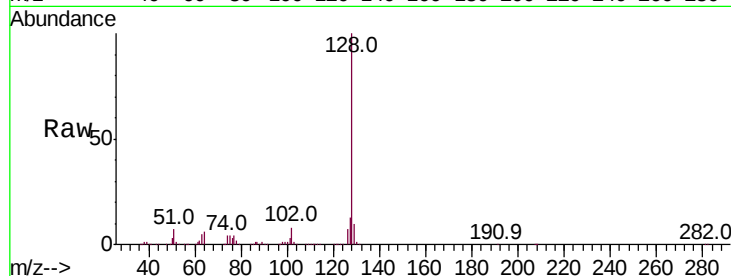




#95
Naphthalene
Concen: 102.386 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.9	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 106.366 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.3
145	29.5	14.9	44.9

