

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122018\
 Data File : VW007657.D
 Acq On : 18 Dec 2018 14:43
 Operator : SY/AP
 Sample : J6353-02MS
 Misc : 6.44G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 19 03:18:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	51313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	88360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	60387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	16714	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	33025	58.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.02%	
35) Dibromofluoromethane	7.88	113	24895	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	
50) Toluene-d8	10.32	98	85632	42.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.40%	
62) 4-Bromofluorobenzene	12.62	95	25139	34.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	17131	47.775	ug/l	96
3) Chloromethane	2.21	50	16117	53.667	ug/l	96
4) Vinyl Chloride	2.37	62	20000	56.750	ug/l	96
5) Bromomethane	2.78	94	14456	61.050	ug/l	99
6) Chloroethane	2.93	64	11868	61.176	ug/l	97
7) Trichlorofluoromethane	3.26	101	17169	54.187	ug/l	96
8) Diethyl Ether	3.68	74	12716	51.277	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	19204	36.732	ug/l	99
10) Methyl Iodide	4.26	142	50294	58.084	ug/l	98
11) Tert butyl alcohol	5.17	59	11936	305.290	ug/l	95
12) 1,1-Dichloroethene	4.03	96	28901	57.415	ug/l	95
13) Acrolein	3.89	56	5191	200.654	ug/l #	14
14) Allyl chloride	4.67	41	40959	55.203	ug/l	95
15) Acrylonitrile	5.37	53	30964	296.189	ug/l	96
16) Acetone	4.12	43	49158	494.369	ug/l	95
17) Carbon Disulfide	4.37	76	72092	47.235	ug/l	98
18) Methyl Acetate	4.67	43	22144	82.052	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	48209	63.486	ug/l #	1
20) Methylene Chloride	4.90	84	33674	62.941	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	31503	55.946	ug/l	98
22) Diisopropyl ether	6.31	45	81006	56.800	ug/l	94
23) Vinyl Acetate	6.31	43	45211	56.676	ug/l #	74
24) 1,1-Dichloroethane	6.21	63	58260	60.442	ug/l	99
25) 2-Butanone	7.17	43	46092	355.063	ug/l	97
26) 2,2-Dichloropropane	7.16	77	36753	57.613	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	36446	59.112	ug/l	99
28) Bromochloromethane	7.51	49	20571	56.738	ug/l	98
29) Tetrahydrofuran	7.52	42	23808	289.703	ug/l	95
30) Chloroform	7.68	83	65561	62.502	ug/l	97
31) Cyclohexane	7.95	56	41257	46.652	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	49005	53.274	ug/l	99
36) 1,1-Dichloropropene	8.08	75	36436	45.203	ug/l	100
37) Ethyl Acetate	7.26	43	12877	42.952	ug/l	98
38) Carbon Tetrachloride	8.07	117	39527	45.068	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	32624	33.425	ug/l	98
40) Benzene	8.32	78	149043	66.628	ug/l	99
41) Methacrylonitrile	7.48	41	10169	59.565	ug/l	95
42) 1,2-Dichloroethane	8.40	62	43710	62.204	ug/l	96
43) Isopropyl Acetate	8.43	43	32022	54.073	ug/l	99
44) Trichloroethene	9.09	130	49953	78.201	ug/l	99
45) 1,2-Dichloropropane	9.37	63	28612	55.273	ug/l	97
46) Dibromomethane	9.46	93	17332	58.959	ug/l	98
47) Bromodichloromethane	9.65	83	45922	59.555	ug/l	94
48) Methyl methacrylate	9.43	41	16506	54.271	ug/l	95
49) 1,4-Dioxane	9.45	88	5571	1167.970	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	92097	329.139	ug/l	100
52) Toluene	10.39	92	513437	354.676	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	42915	57.328	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	49129	56.772	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	27355	68.372	ug/l	94
56) Ethyl methacrylate	10.65	69	28664	59.606	ug/l	98
57) 1,3-Dichloropropane	10.93	76	38438	58.533	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	74905	337.771	ug/l	98
59) 2-Hexanone	10.97	43	65219	349.553	ug/l	98
60) Dibromochloromethane	11.13	129	29399	58.226	ug/l	99
61) 1,2-Dibromoethane	11.24	107	22252	56.280	ug/l	99
64) Tetrachloroethene	10.87	164	27453	63.218	ug/l	93
65) Chlorobenzene	11.66	112	67626	53.729	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	27033	60.982	ug/l	97
67) Ethyl Benzene	11.73	91	388086	179.339	ug/l	92
68) m/p-Xylenes	11.84	106	450780	535.838	ug/l	98
69) o-Xylene	12.17	106	203774	259.359	ug/l	95
70) Styrene	12.18	104	100735	79.379	ug/l #	77
71) Bromoform	12.35	173	14955	65.910	ug/l #	96
73) Isopropylbenzene	12.47	105	87063	67.981	ug/l	99
74) N-amyl acetate	12.27	43	18200	78.194	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	8311	43.815	ug/l	89
76) 1,2,3-Trichloropropane	12.77	75	30808	223.551	ug/l #	9
77) Bromobenzene	12.75	156	22867	80.552	ug/l	91
78) n-propylbenzene	12.81	91	153332	106.385	ug/l	100
79) 2-Chlorotoluene	12.99	91	50604	58.026	ug/l	95
80) 1,3,5-Trimethylbenzene	12.95	105	171083	158.985	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	7725	123.825	ug/l	95
82) 4-Chlorotoluene	12.99	91	50604	55.047	ug/l	96
83) tert-Butylbenzene	13.21	119	31576	33.301	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	476414	430.226	ug/l	99
85) sec-Butylbenzene	13.39	105	38236	29.540	ug/l	100
86) p-Isopropyltoluene	13.51	119	34607	29.761	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	28271	49.949	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	29456	51.767	ug/l	98
89) n-Butylbenzene	13.83	91	36026	33.419	ug/l #	77
90) Hexachloroethane	14.10	117	8240	39.825	ug/l	74
91) 1,2-Dichlorobenzene	13.88	146	28119	55.468	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4155	109.153	ug/l	99

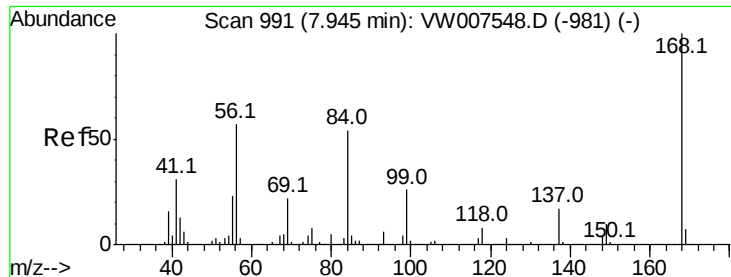
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	7668	21.979	ug/l	91
94) Hexachlorobutadiene	15.24	225	1961	10.594	ug/l	98
95) Naphthalene	15.38	128	61463	92.093	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	7490	24.715	ug/l	90

(#) = 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. -0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

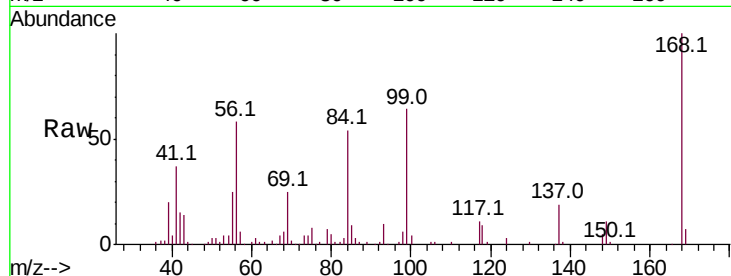
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 51313

Ion Ratio Lower Upper

168 100

99 63.9 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

15000

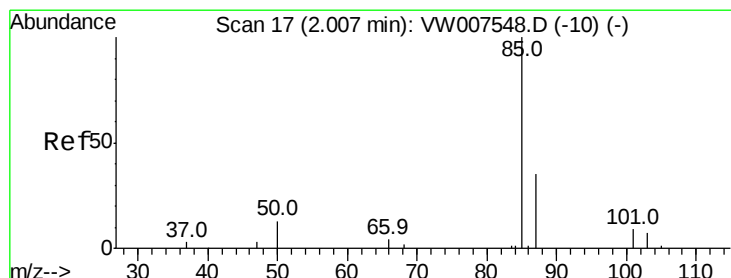
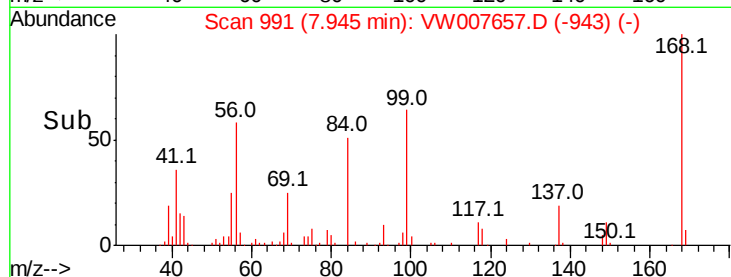
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 47.775 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW007657.D

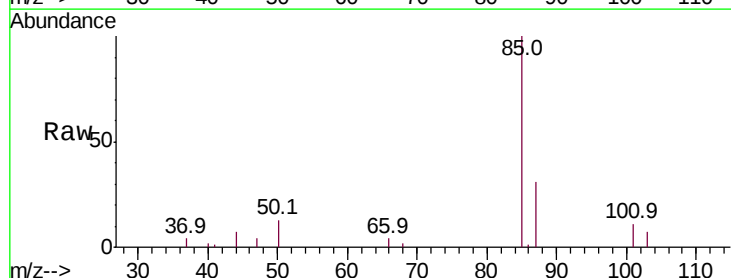
Acq: 18 Dec 2018 14:43

Tgt Ion: 85 Resp: 17131

Ion Ratio Lower Upper

85 100

87 31.0 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

5000

4000

3000

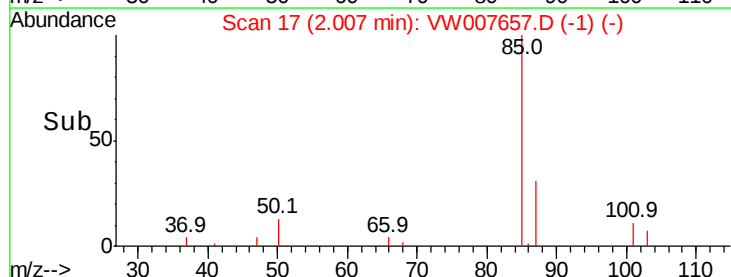
2000

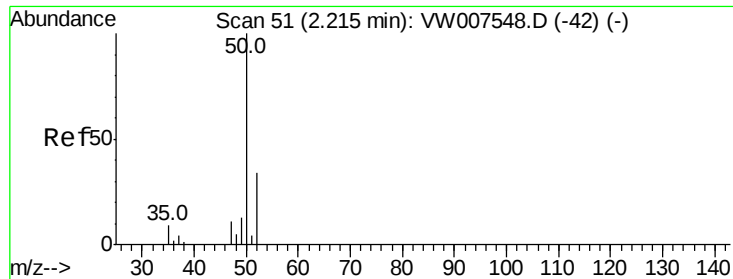
1000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 53.667 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

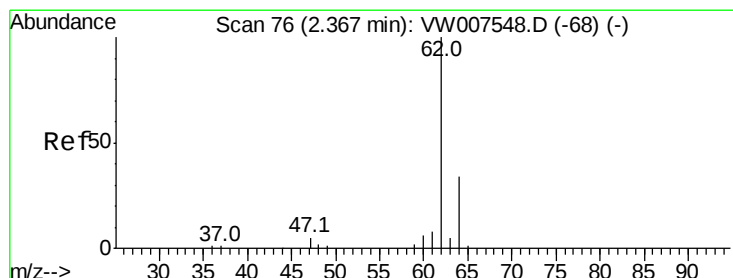
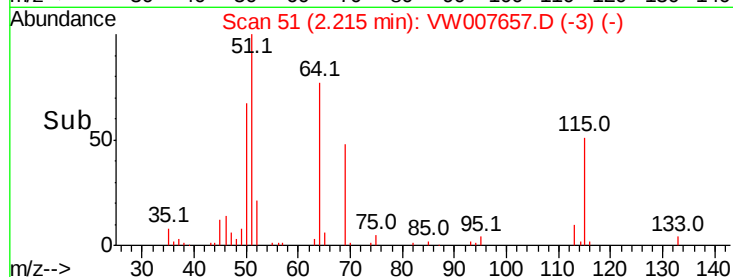
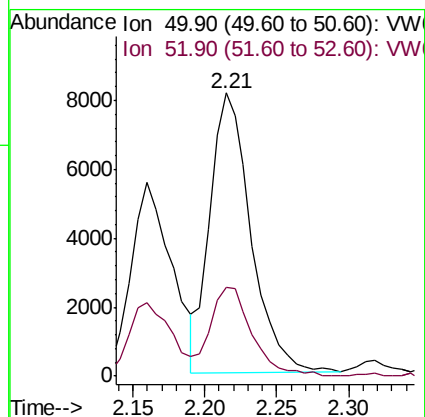
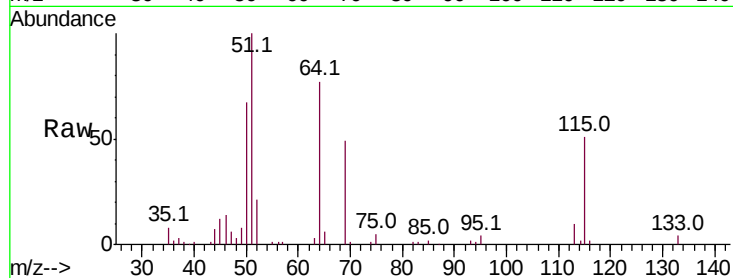
ClientSampleId :

Tot Ion: 50 Resp: 16117

Ion Ratio Lower Upper

50 100

52 31.7 27.4 41.0



#4

Vinyl Chloride

Concen: 56.750 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007657.D

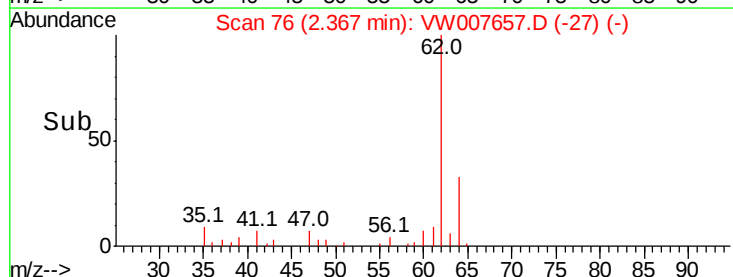
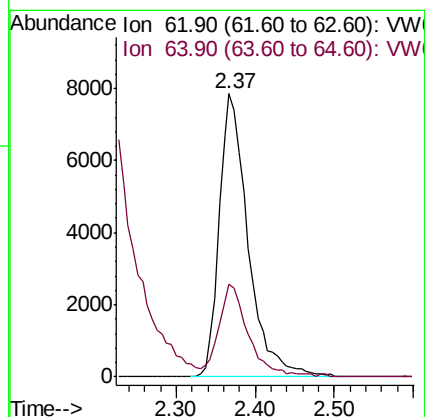
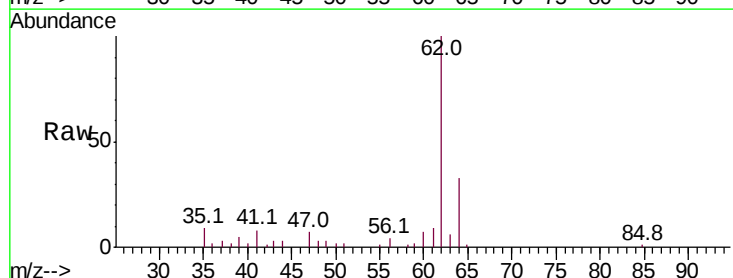
Acq: 18 Dec 2018 14:43

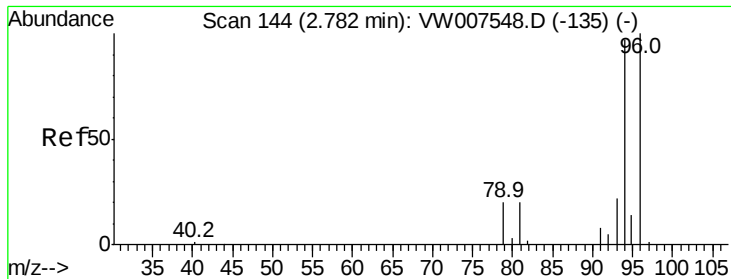
Tgt Ion: 62 Resp: 20000

Ion Ratio Lower Upper

62 100

64 33.0 24.6 37.0





#5

Bromomethane

Concen: 61.050 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

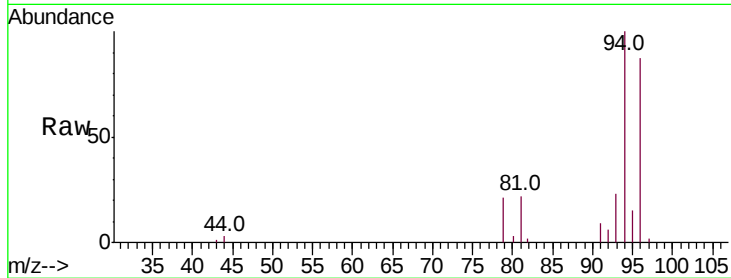
ClientSampleId :

Tot Ion: 94 Resp: 14456

Ion Ratio Lower Upper

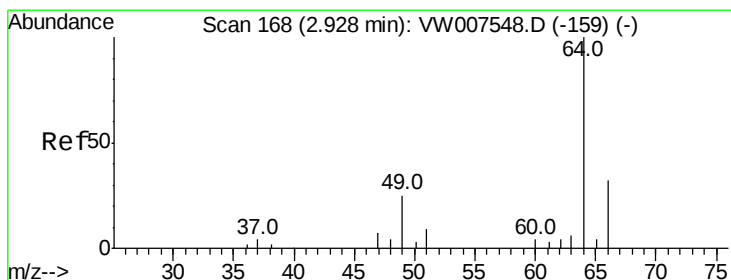
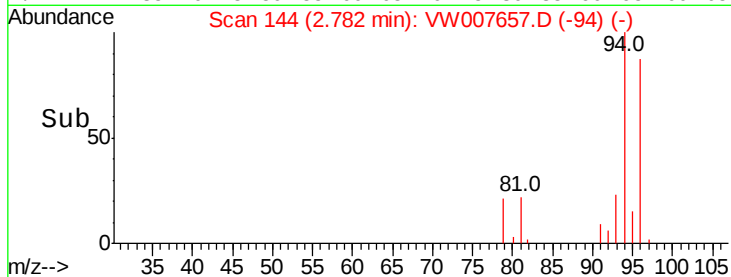
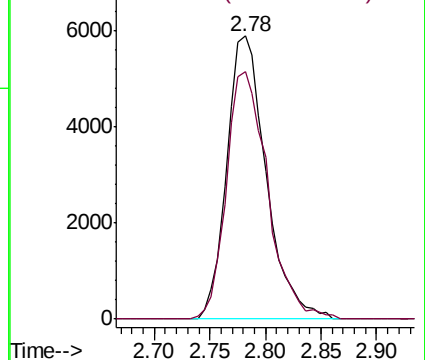
94 100

96 87.5 71.0 106.4



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 61.176 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW007657.D

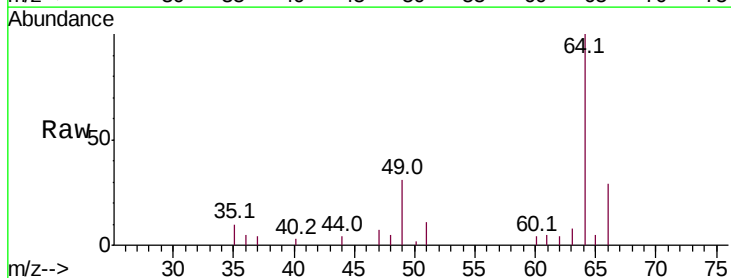
Acq: 18 Dec 2018 14:43

Tgt Ion: 64 Resp: 11868

Ion Ratio Lower Upper

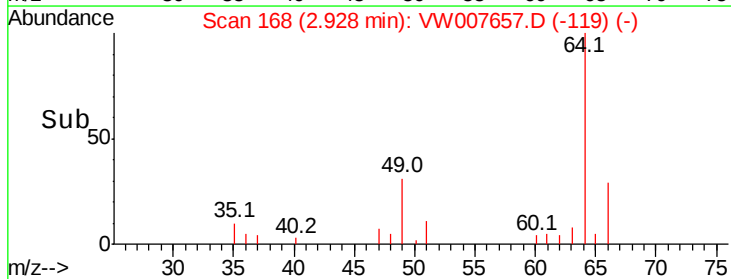
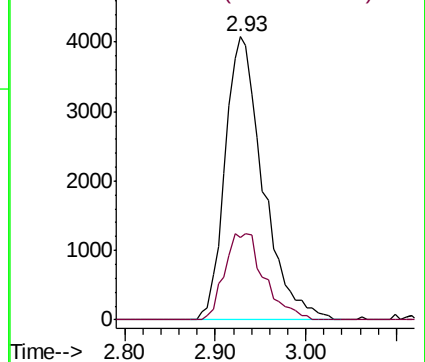
64 100

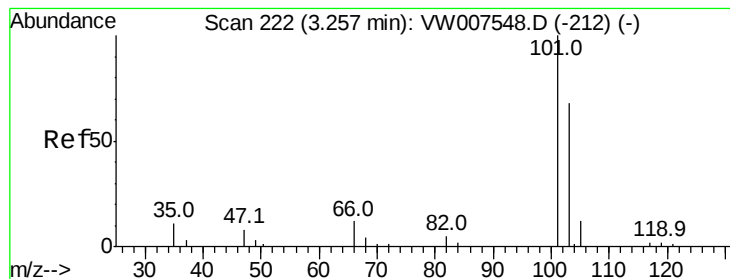
66 29.2 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



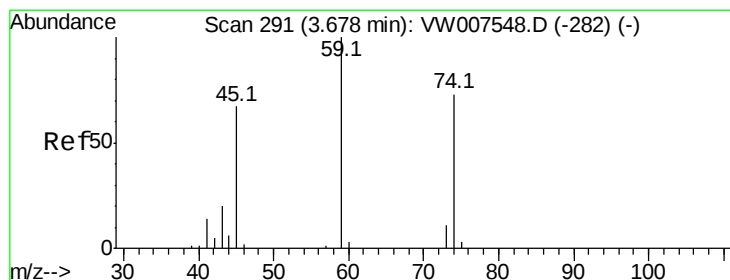
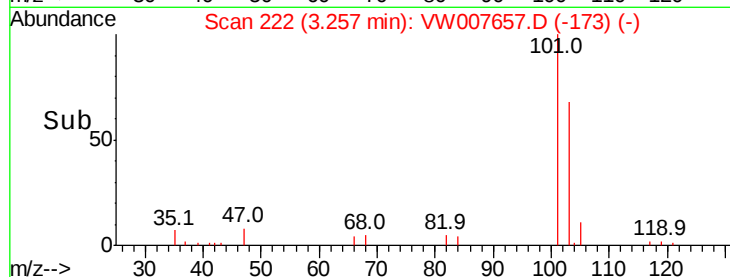
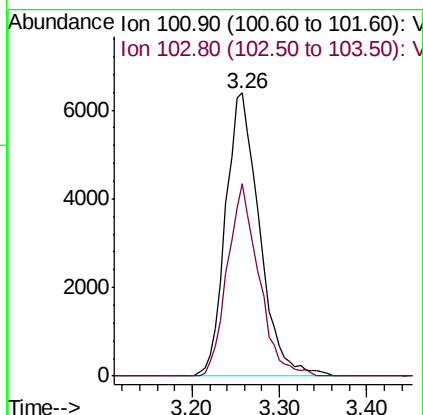
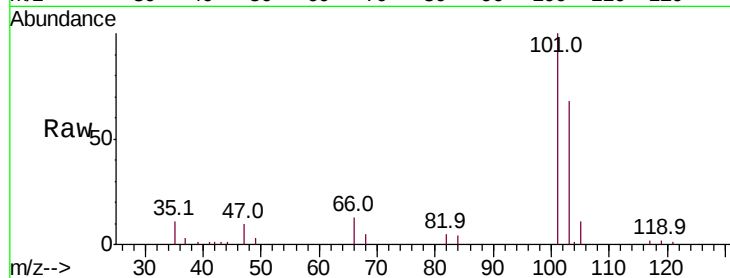


#7

Trichlorofluoromethane
 Concen: 54.187 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

Instrument :
 MSVOA_W
 ClientSampleId :

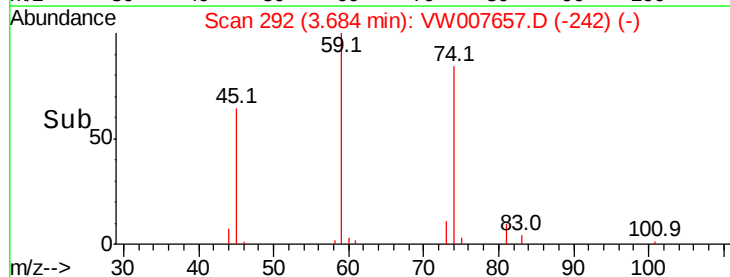
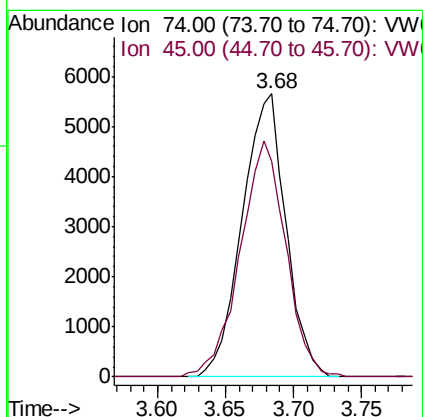
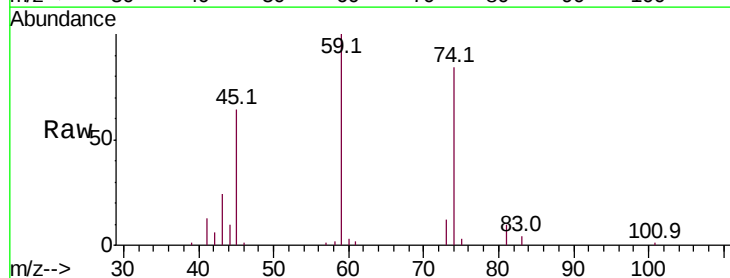
Tot Ion:101 Resp: 17169
 Ion Ratio Lower Upper
 101 100
 103 67.8 51.7 77.5

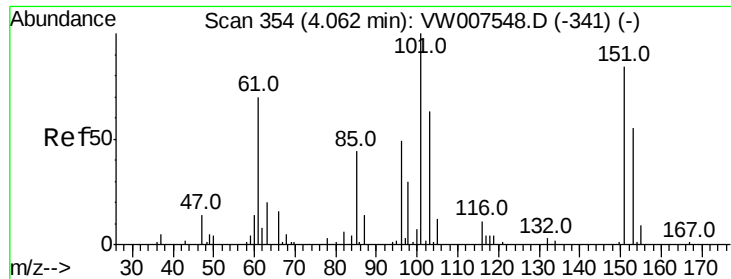


#8

Diethyl Ether
 Concen: 51.277 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

Tgt Ion: 74 Resp: 12716
 Ion Ratio Lower Upper
 74 100
 45 86.8 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 36.732 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampled :

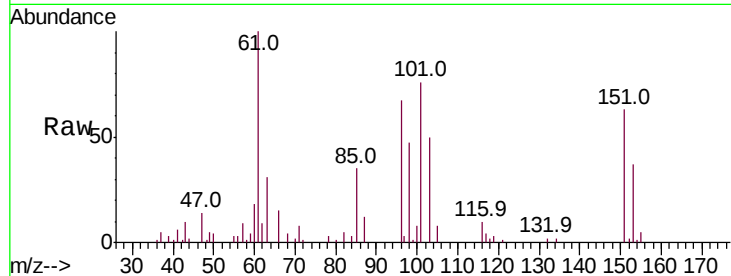
Tot Ion:101 Resp: 19204

Ion Ratio Lower Upper

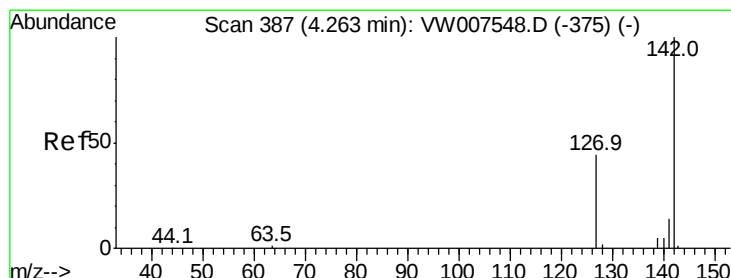
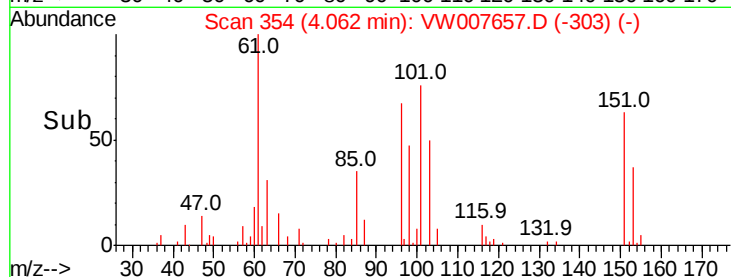
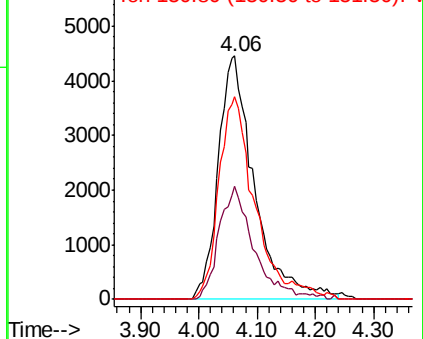
101 100

85 43.7 33.9 50.9

151 78.9 63.7 95.5



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: 58.084 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

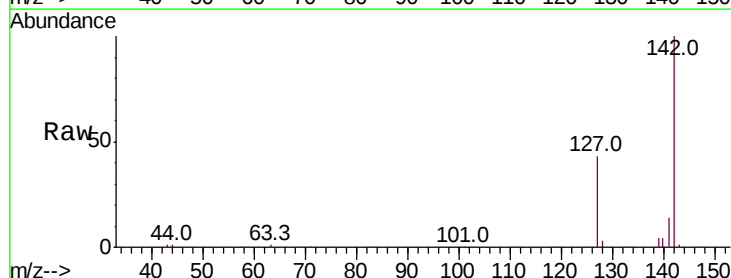
Tgt Ion:142 Resp: 50294

Ion Ratio Lower Upper

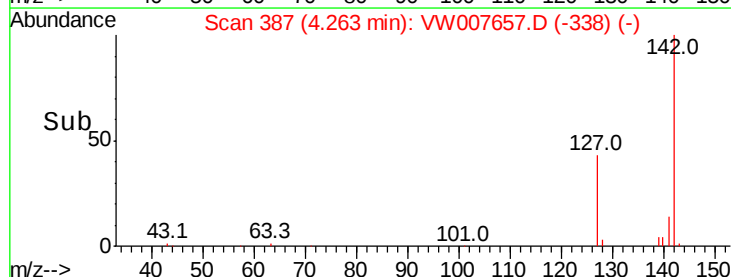
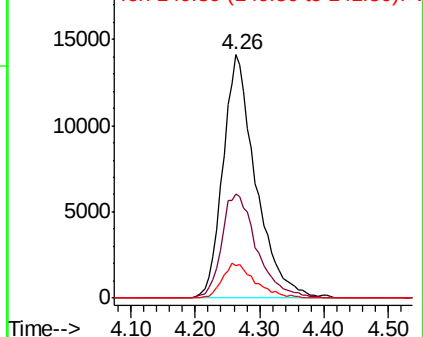
142 100

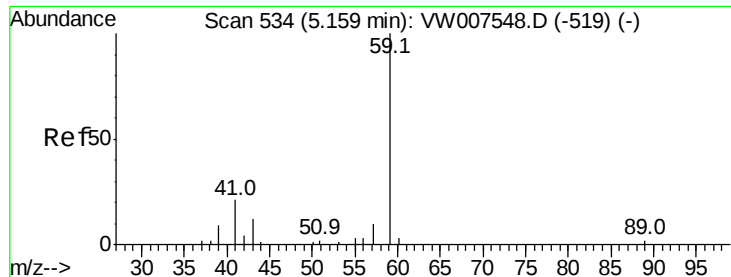
127 45.9 35.8 53.6

141 14.2 11.1 16.7



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



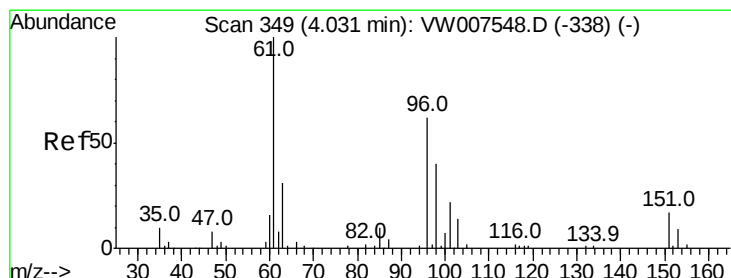
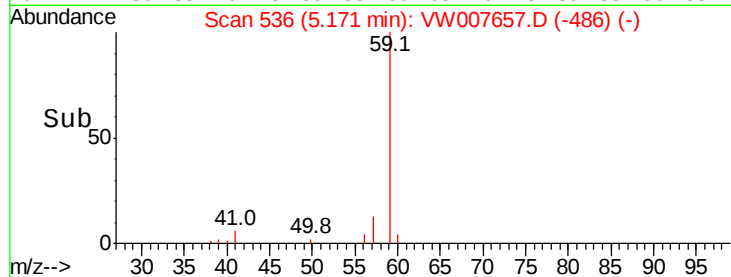
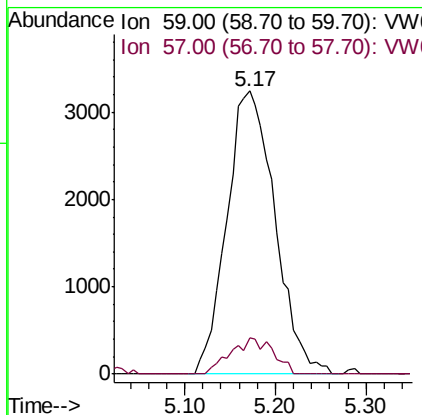
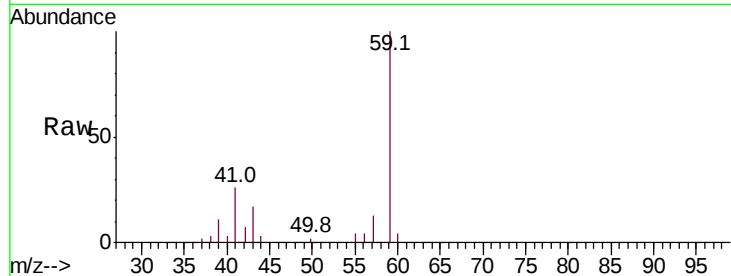


#11

Tert butyl alcohol
Concen: 305.290 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :

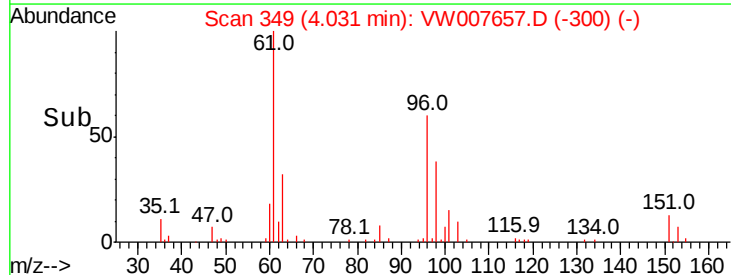
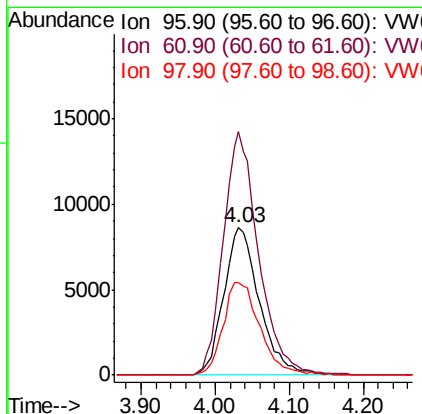
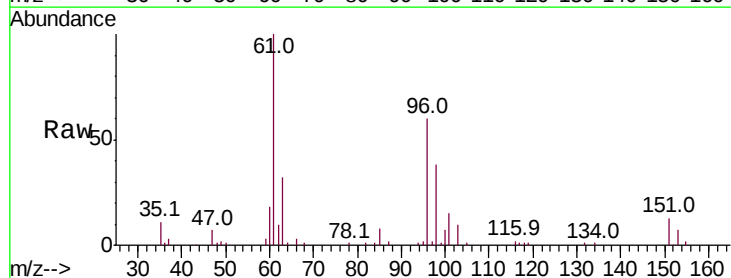
Tot Ion: 59 Resp: 11936
Ion Ratio Lower Upper
59 100
57 11.2 7.6 11.4

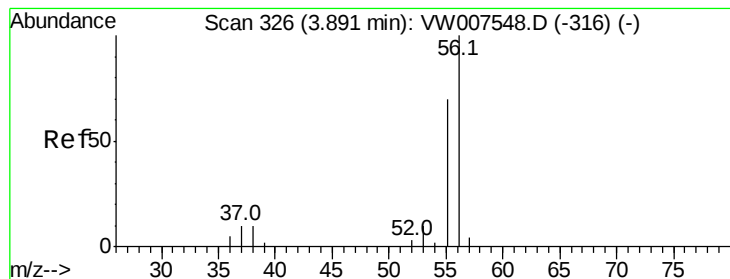


#12

1,1-Dichloroethene
Concen: 57.415 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion: 96 Resp: 28901
Ion Ratio Lower Upper
96 100
61 165.5 126.2 189.2
98 62.9 48.3 72.5





#13

Acrolein

Concen: 200.654 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

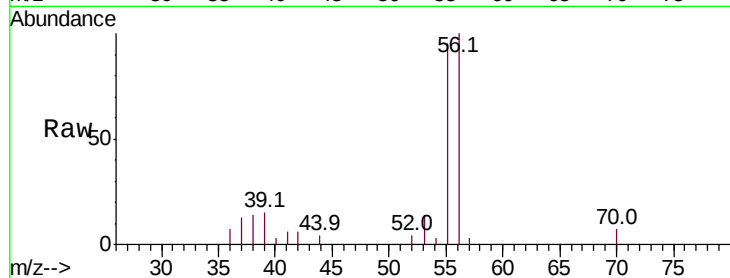
ClientSampleId :

Tot Ion: 56 Resp: 5191

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

5000

4000

3000

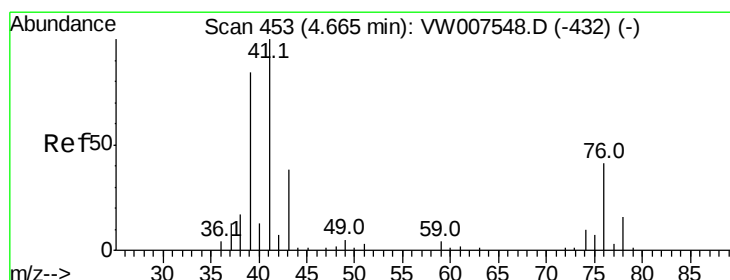
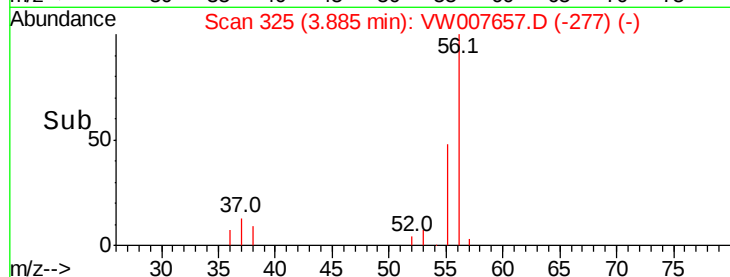
2000

1000

0

3.80 3.89 4.00

Time-->



#14

Allyl chloride

Concen: 55.203 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

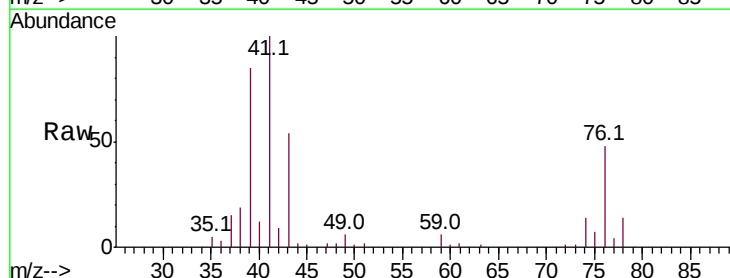
Tgt Ion: 41 Resp: 40959

Ion Ratio Lower Upper

41 100

39 83.2 63.4 95.2

76 43.3 32.1 48.1



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

15000

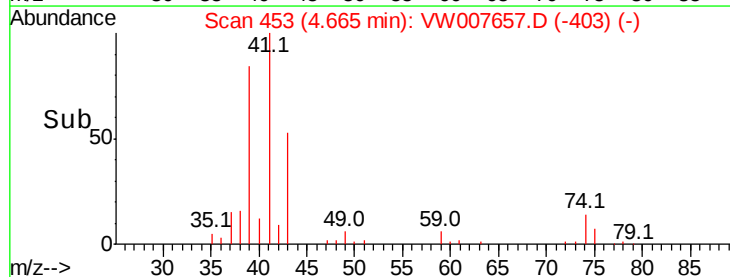
10000

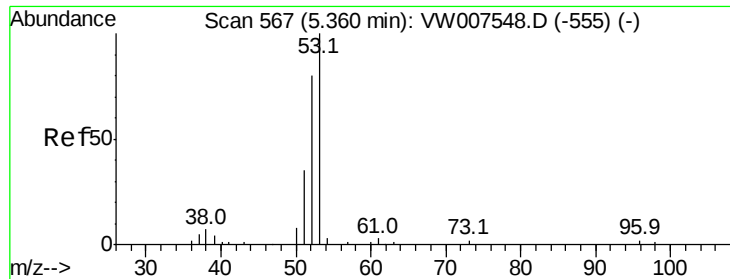
5000

0

4.50 4.60 4.67 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 296.189 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampled :

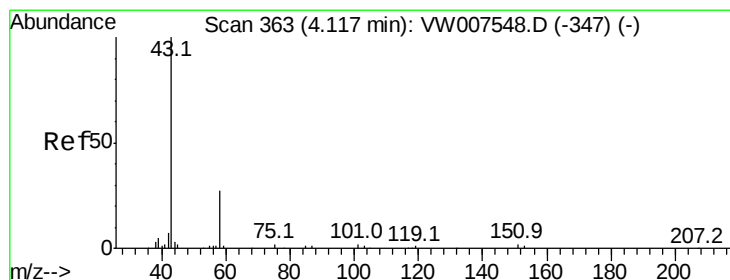
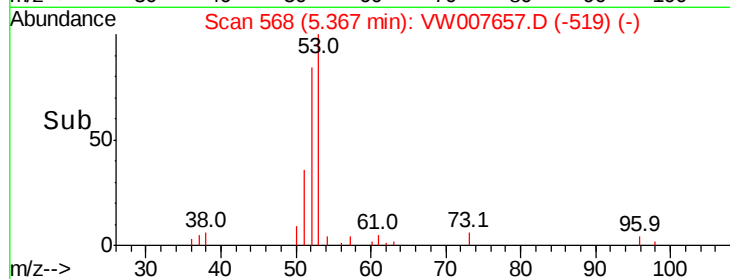
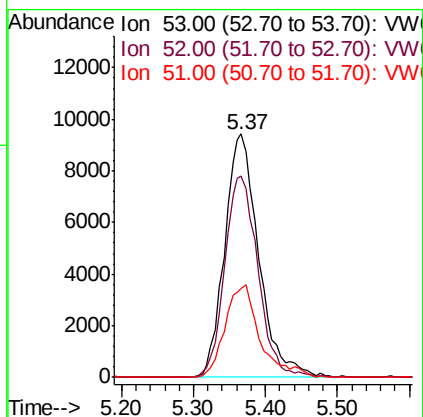
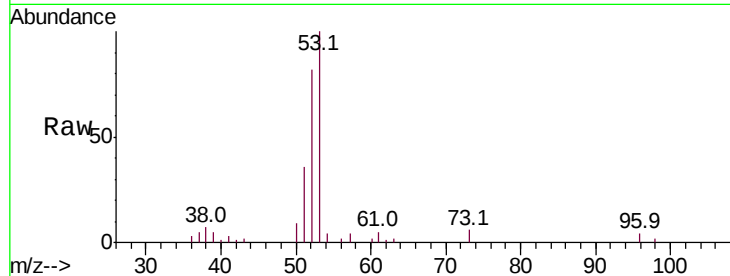
Tot Ion: 53 Resp: 30964

Ion Ratio Lower Upper

53 100

52 80.5 67.4 101.2

51 39.0 30.2 45.2



#16

Acetone

Concen: 494.369 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007657.D

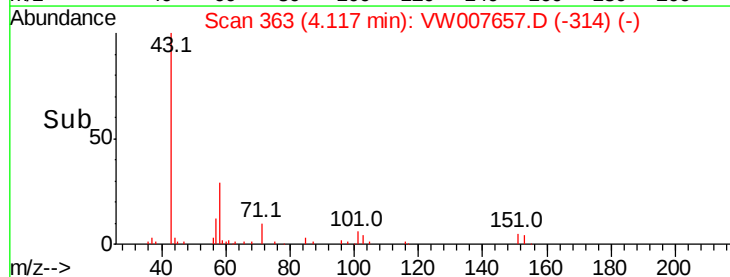
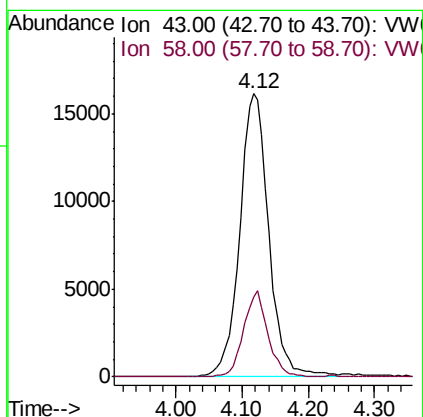
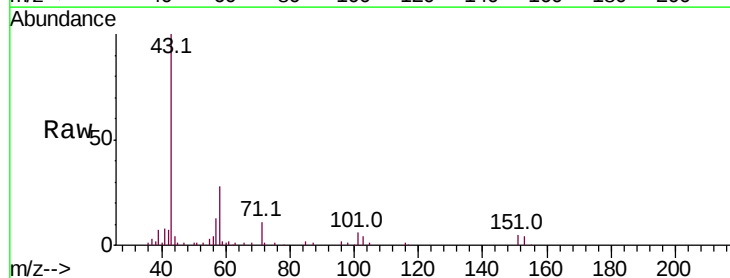
Acq: 18 Dec 2018 14:43

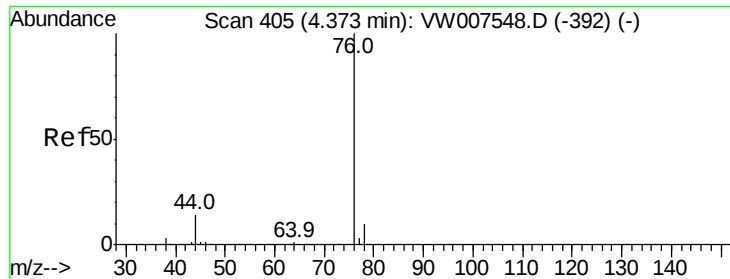
Tgt Ion: 43 Resp: 49158

Ion Ratio Lower Upper

43 100

58 28.3 24.9 37.3





#17

Carbon Disulfide

Concen: 47.235 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

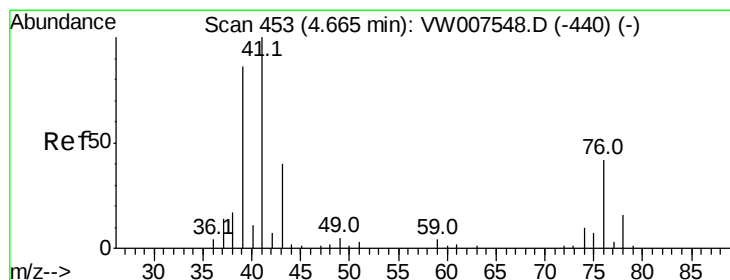
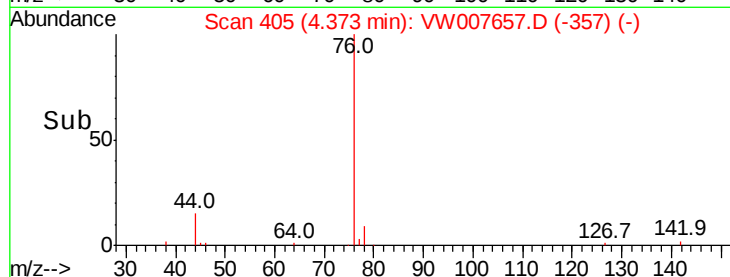
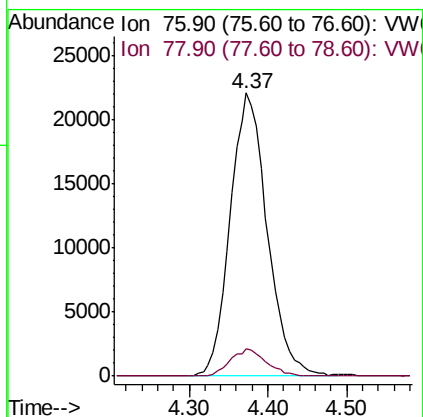
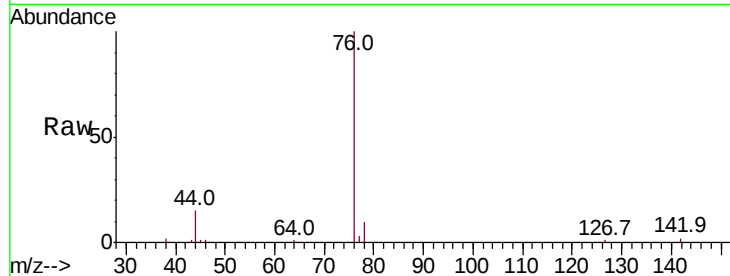
ClientSampled :

Tot Ion: 76 Resp: 72092

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7



#18

Methyl Acetate

Concen: 82.052 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW007657.D

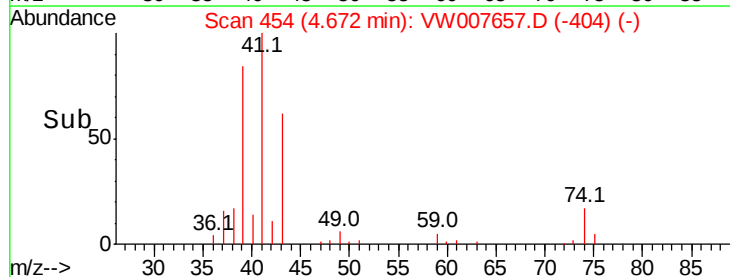
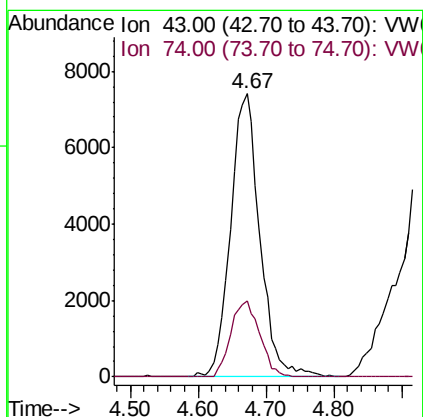
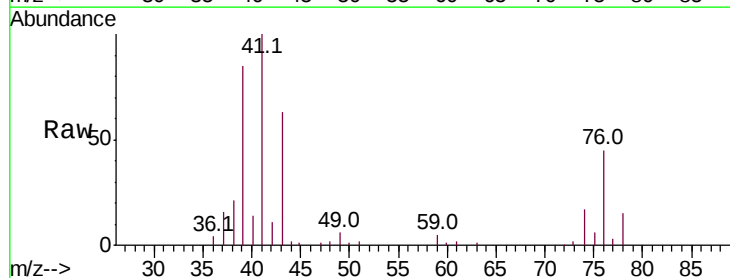
Acq: 18 Dec 2018 14:43

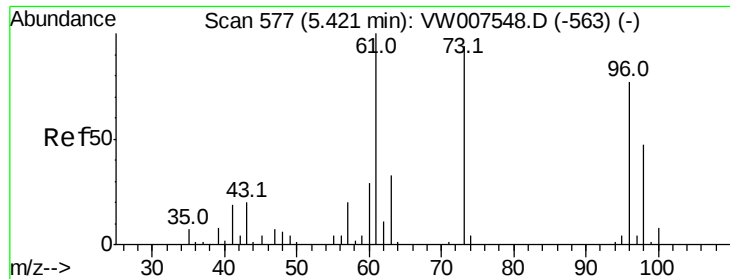
Tgt Ion: 43 Resp: 22144

Ion Ratio Lower Upper

43 100

74 26.4 21.1 31.7

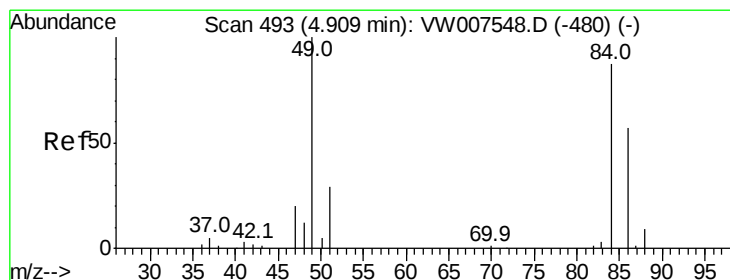
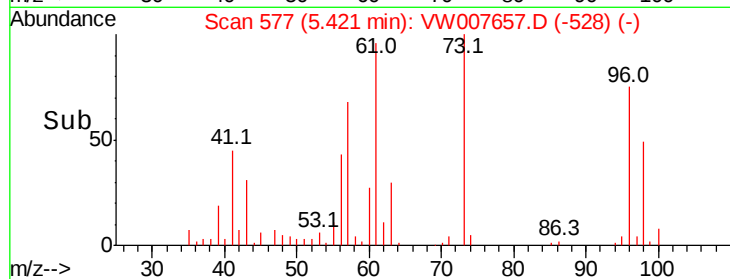
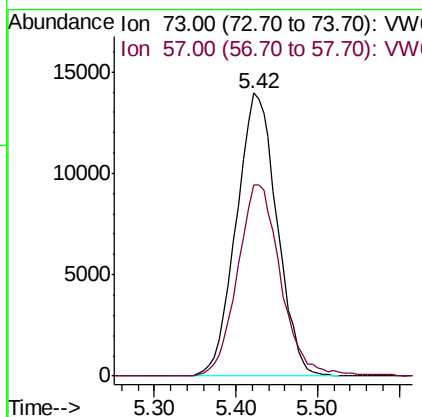
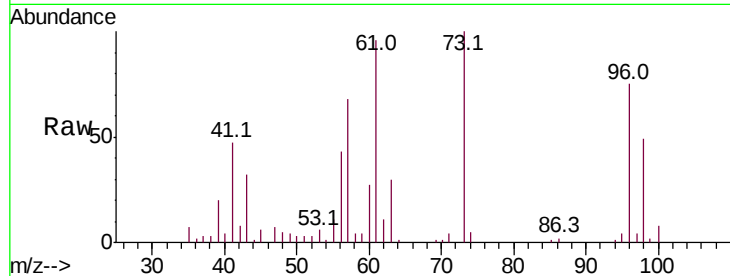




#19
Methyl tert-butyl Ether
Concen: 63.486 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

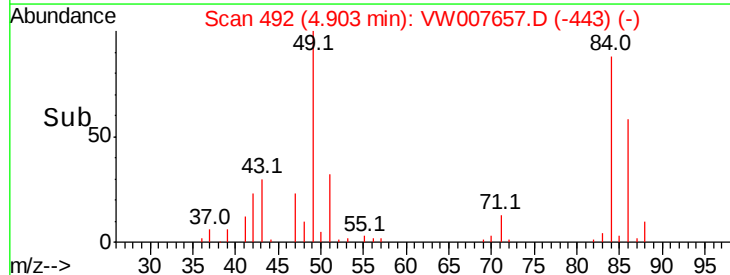
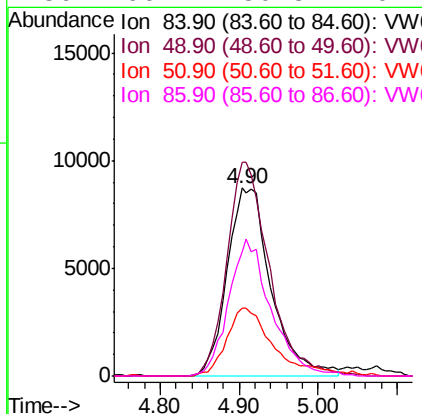
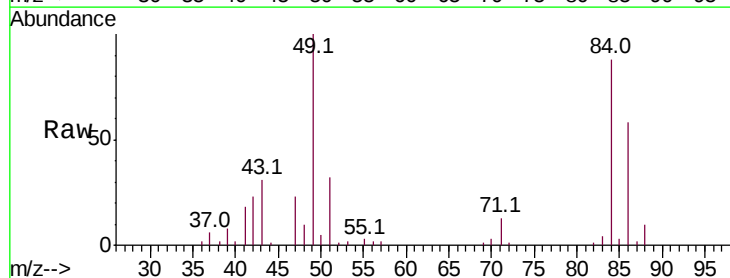
Instrument :
MSVOA_W
ClientSampleId :

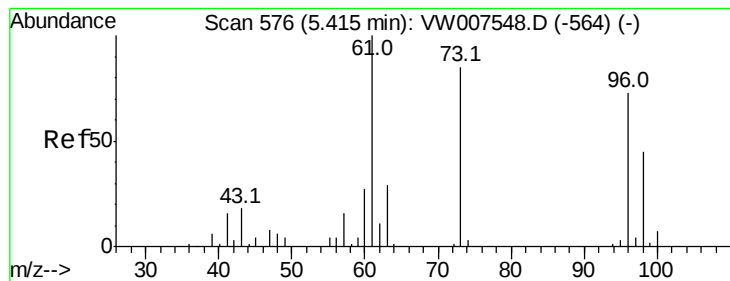
Tot Ion: 73 Resp: 48209
Ion Ratio Lower Upper
73 100
57 67.7 16.4 24.6#



#20
Methylene Chloride
Concen: 62.941 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion: 84 Resp: 33674
Ion Ratio Lower Upper
84 100
49 113.4 87.1 130.7
51 35.8 28.2 42.2
86 66.2 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 55.946 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

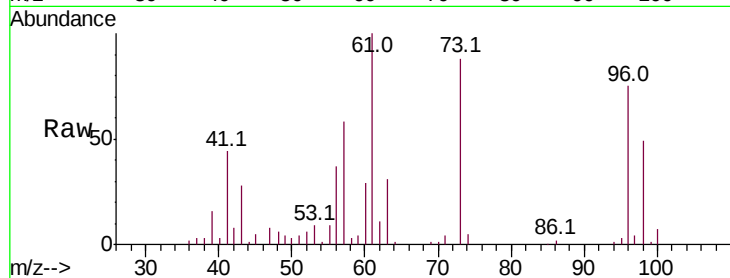
Tot Ion: 96 Resp: 31503

Ion Ratio Lower Upper

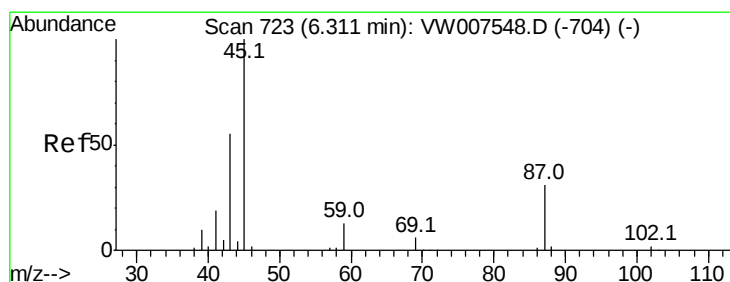
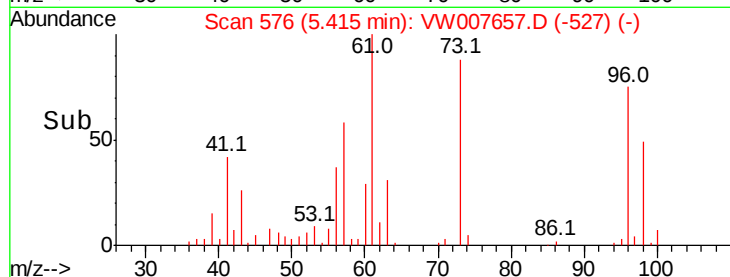
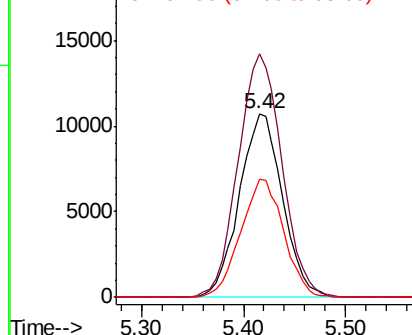
96 100

61 132.6 105.0 157.6

98 64.3 49.7 74.5



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: 56.800 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Tgt Ion: 45 Resp: 81006

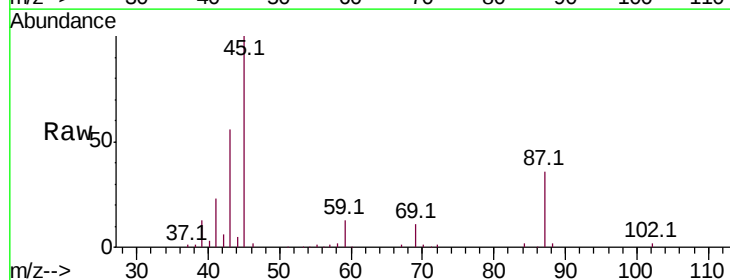
Ion Ratio Lower Upper

45 100

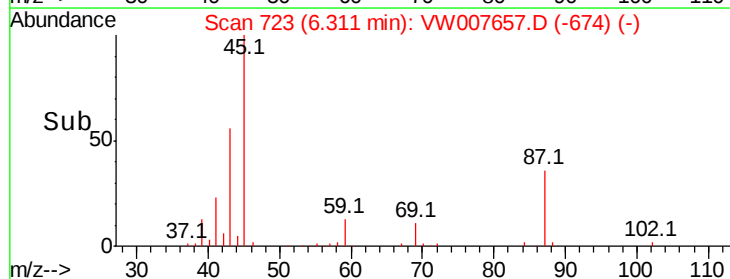
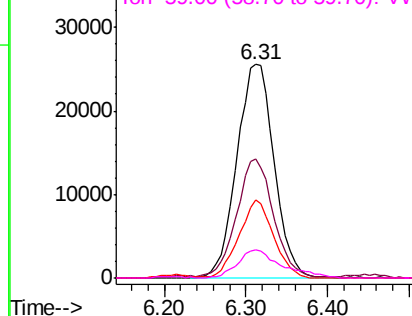
43 55.0 41.6 62.4

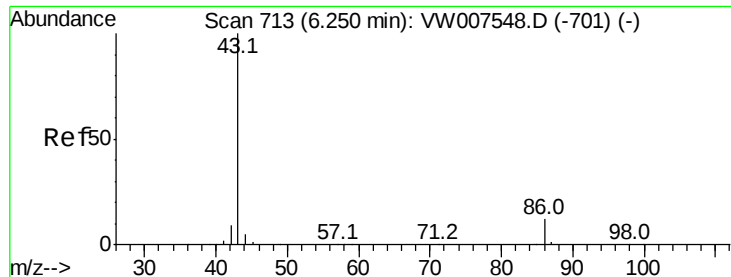
87 36.4 24.3 36.5

59 13.4 9.4 14.0



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: 56.676 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.06 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

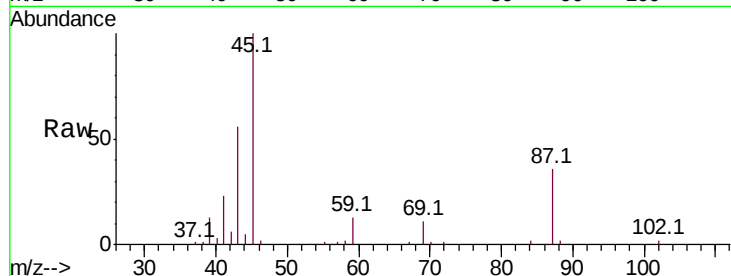
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 45211

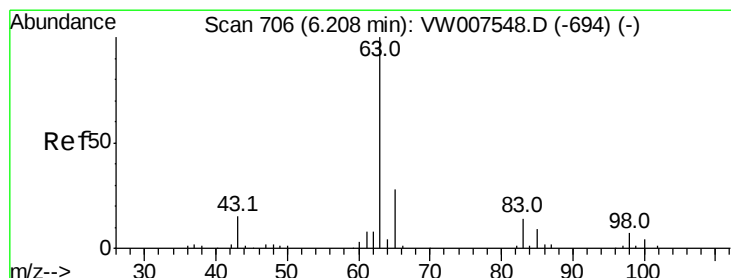
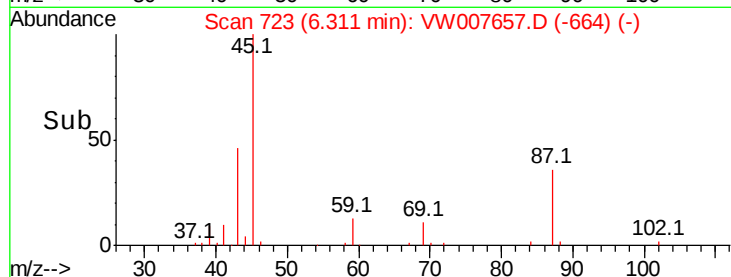
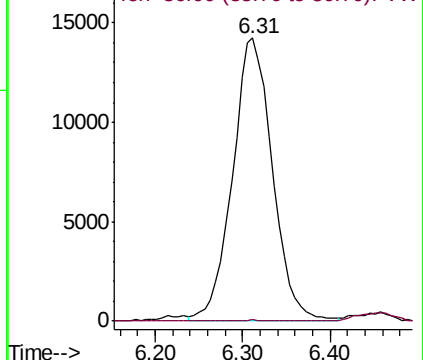
Ion Ratio Lower Upper

43 100

86 0.8 8.6 12.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 60.442 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

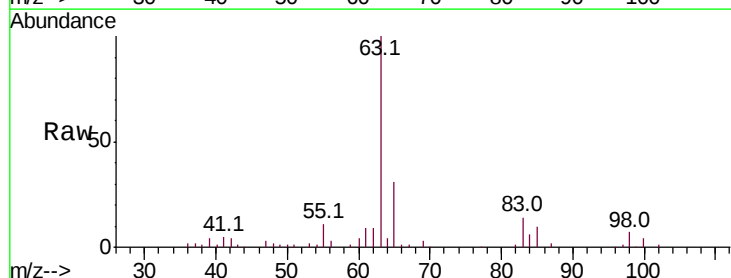
Tgt Ion: 63 Resp: 58260

Ion Ratio Lower Upper

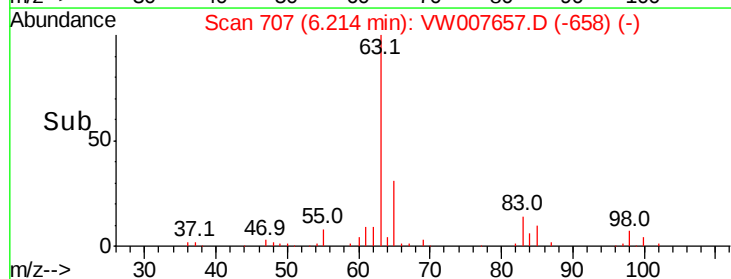
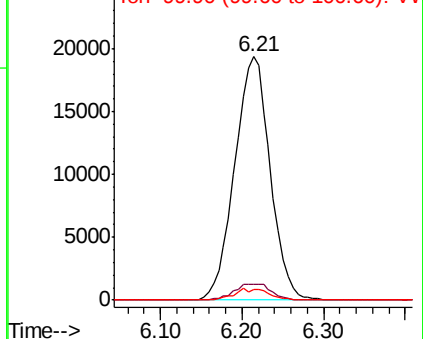
63 100

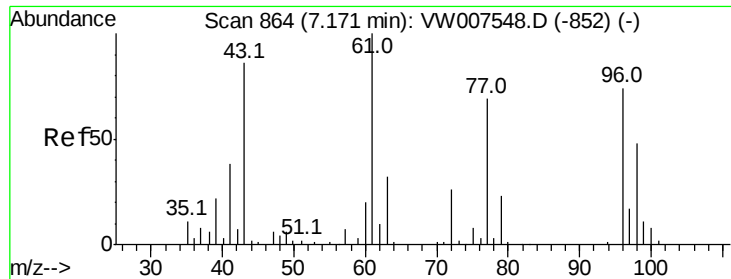
98 6.7 3.5 10.4

100 4.4 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW

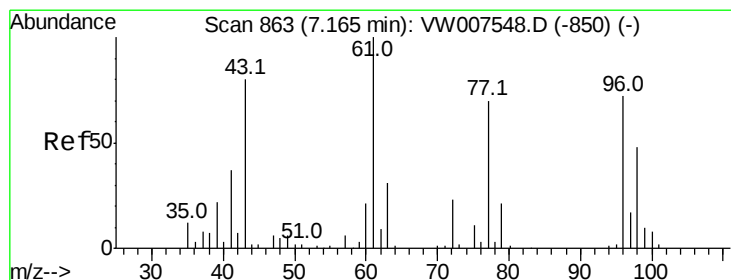
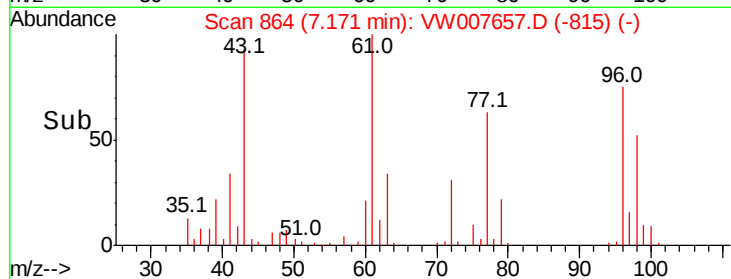
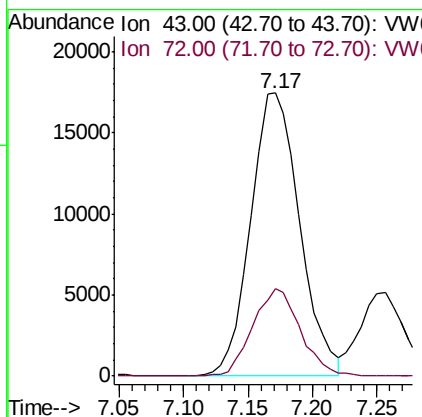
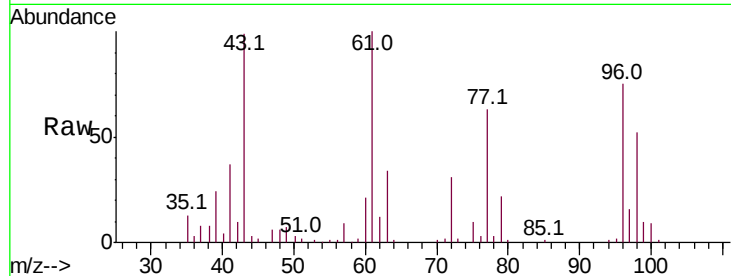




#25
2-Butanone
Concen: 355.063 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

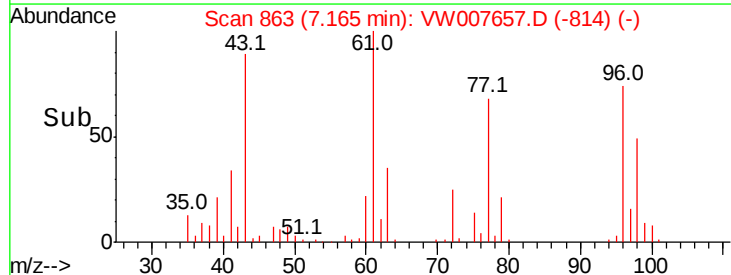
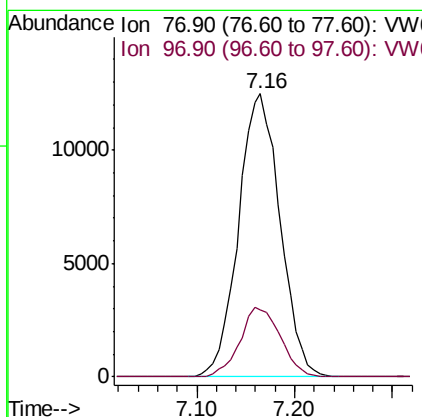
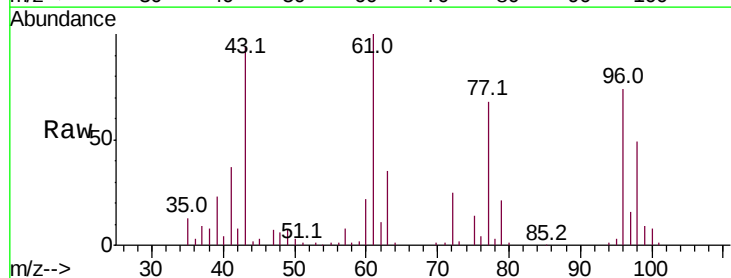
Instrument :
MSVOA_W
ClientSampled :

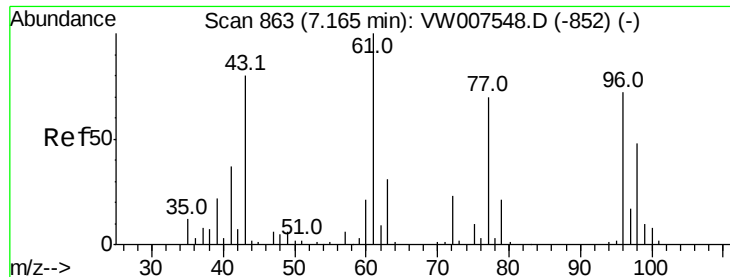
Tot Ion: 43 Resp: 46092
Ion Ratio Lower Upper
43 100
72 31.1 23.4 35.2



#26
2,2-Dichloropropane
Concen: 57.613 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion: 77 Resp: 36753
Ion Ratio Lower Upper
77 100
97 24.0 11.6 34.8



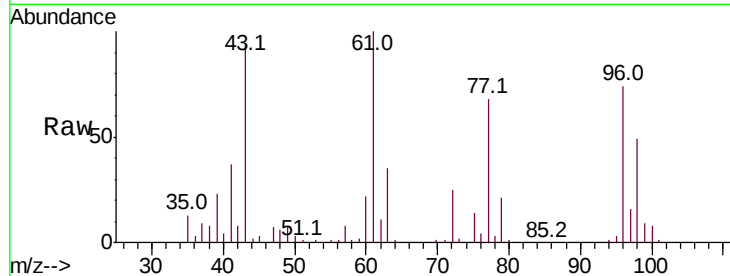


#27

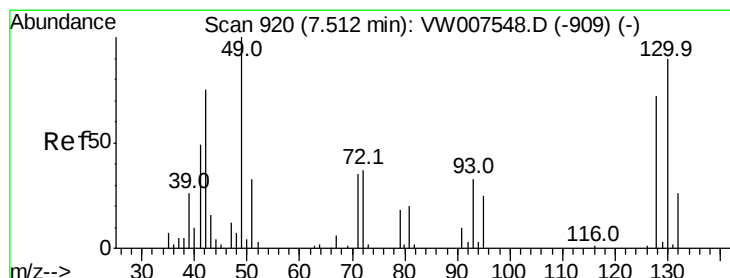
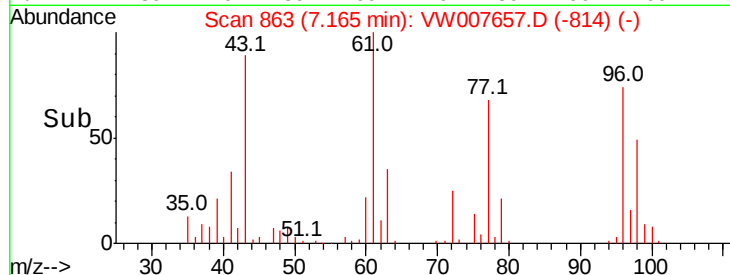
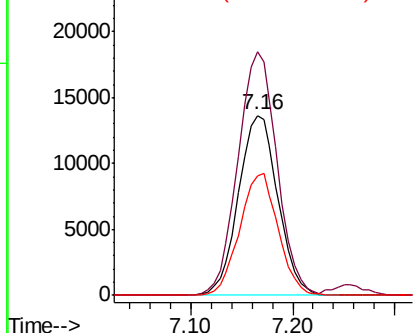
cis-1,2-Dichloroethene
Concen: 59.112 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 36446
Ion Ratio Lower Upper
96 100
61 135.2 0.0 268.4
98 66.0 0.0 127.8



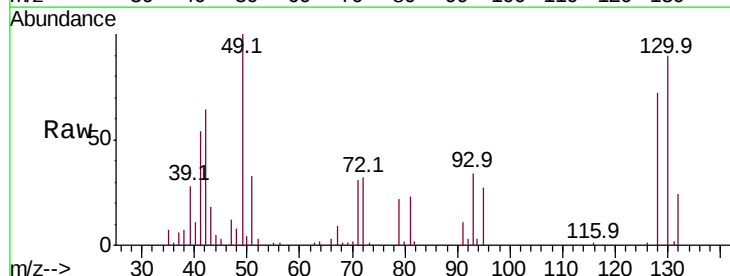
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



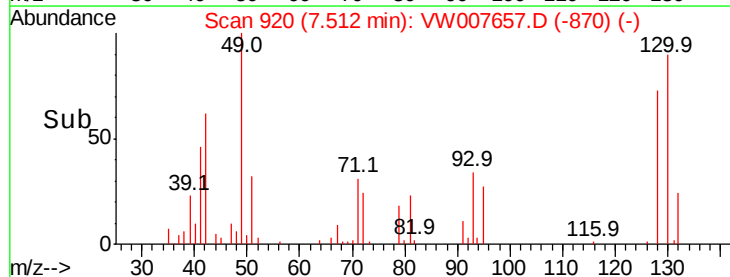
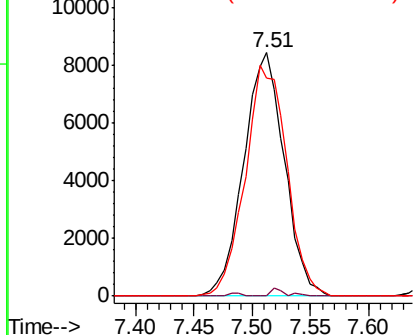
#28

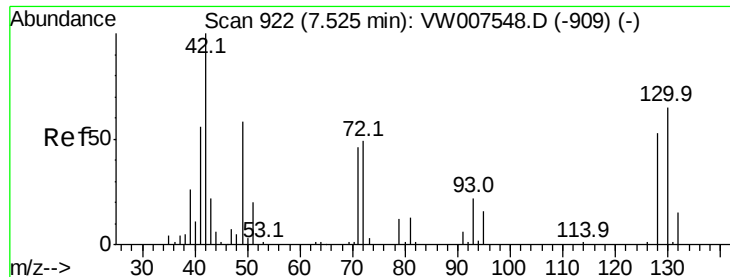
Bromochloromethane
Concen: 56.738 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion: 49 Resp: 20571
Ion Ratio Lower Upper
49 100
129 1.1 0.0 2.6
130 96.7 75.9 113.9



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 289.703 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampled :

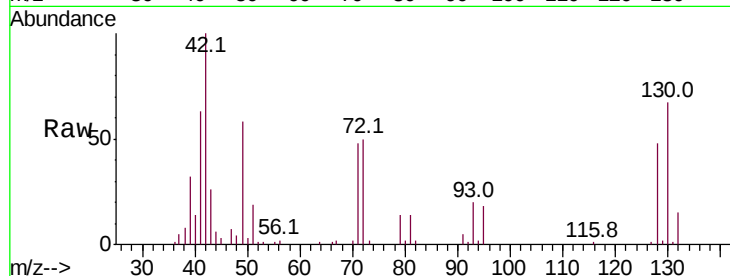
Tot Ion: 42 Resp: 23808

Ion Ratio Lower Upper

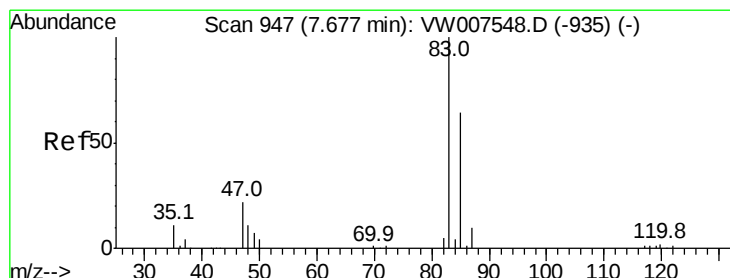
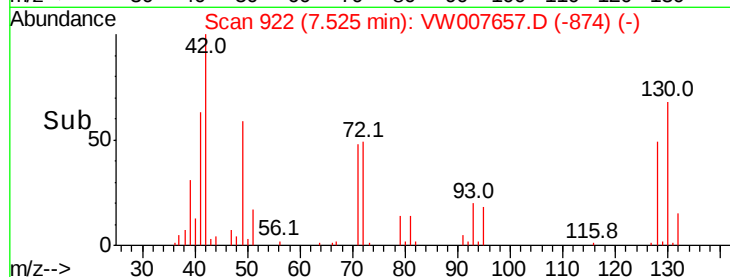
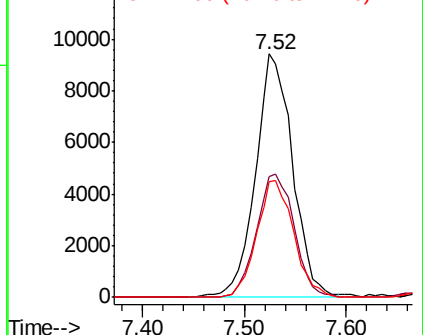
42 100

72 51.3 38.2 57.4

71 47.7 35.5 53.3



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: 62.502 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW007657.D

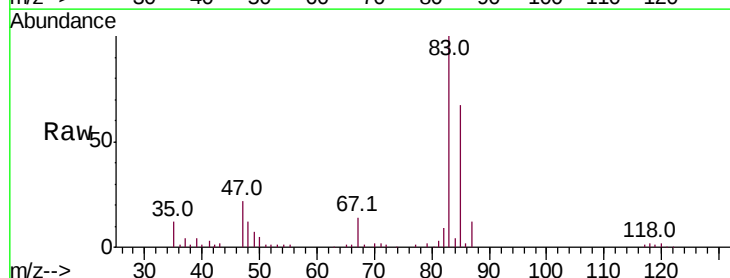
Acq: 18 Dec 2018 14:43

Tgt Ion: 83 Resp: 65561

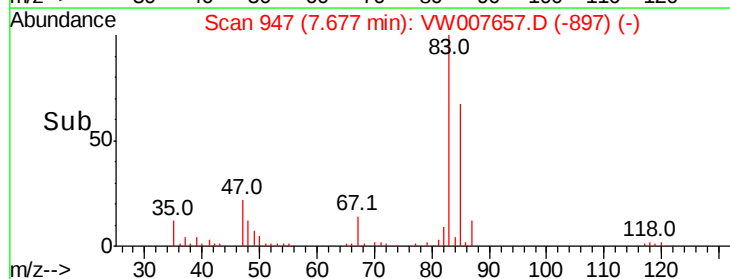
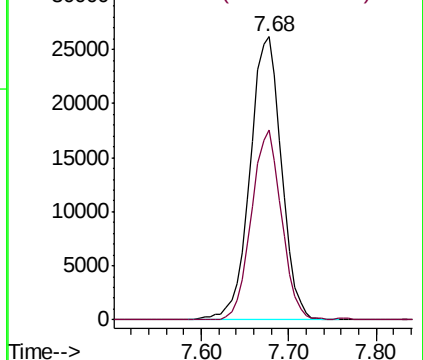
Ion Ratio Lower Upper

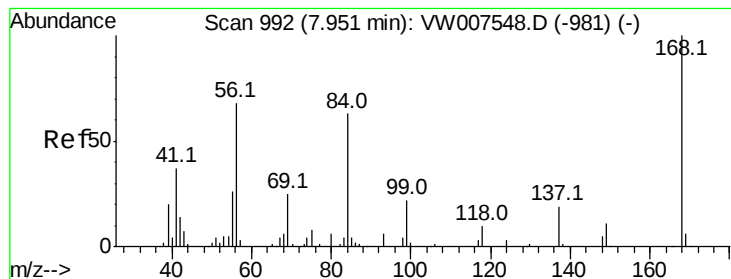
83 100

85 67.0 51.8 77.8



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





#31

Cyclohexane

Concen: 46.652 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampled :

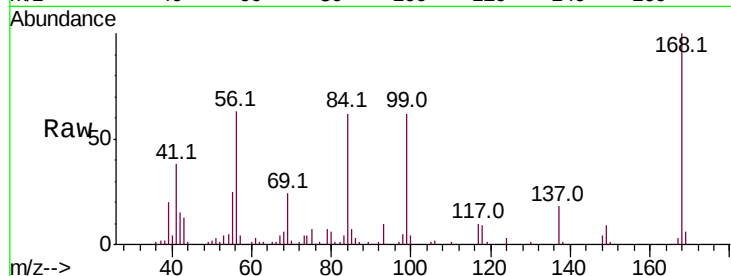
Tot Ion: 56 Resp: 41257

Ion Ratio Lower Upper

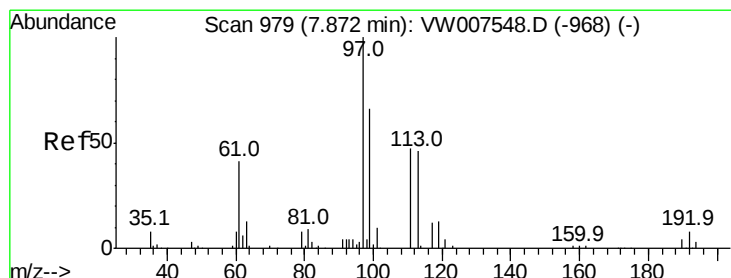
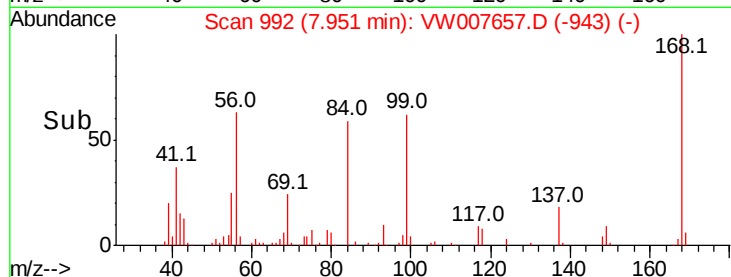
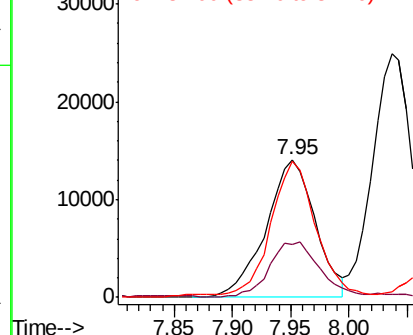
56 100

69 37.5 28.9 43.3

84 95.9 71.8 107.6



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 53.274 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

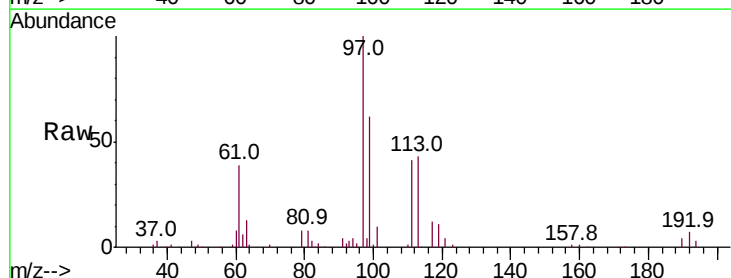
Tgt Ion: 97 Resp: 49005

Ion Ratio Lower Upper

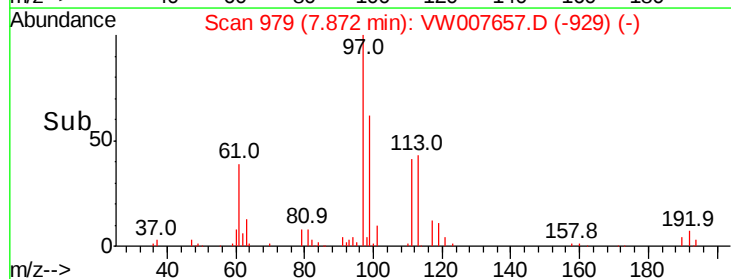
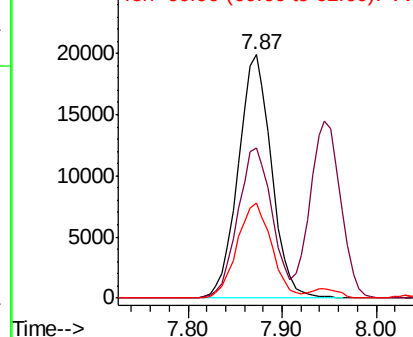
97 100

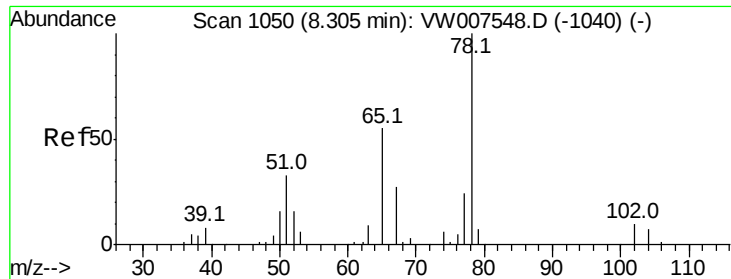
99 63.8 51.1 76.7

61 40.7 33.2 49.8



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

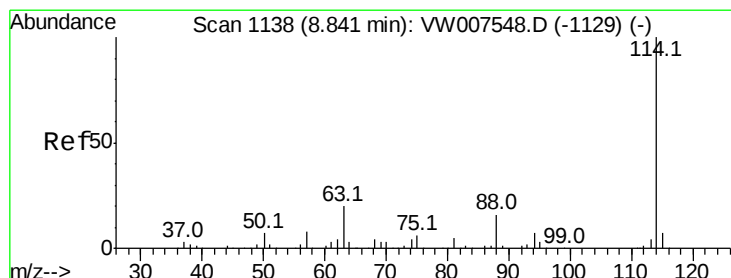
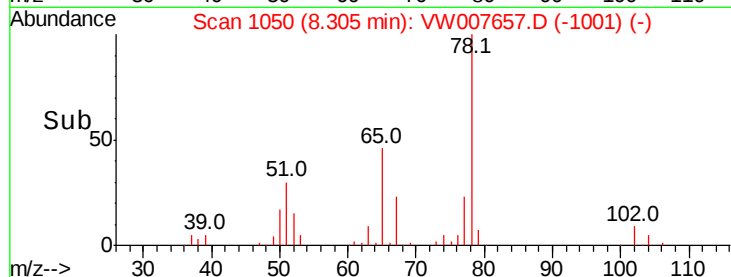
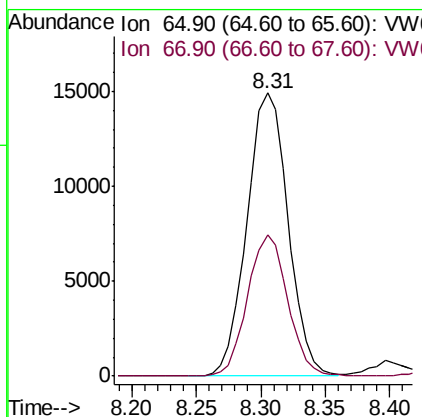
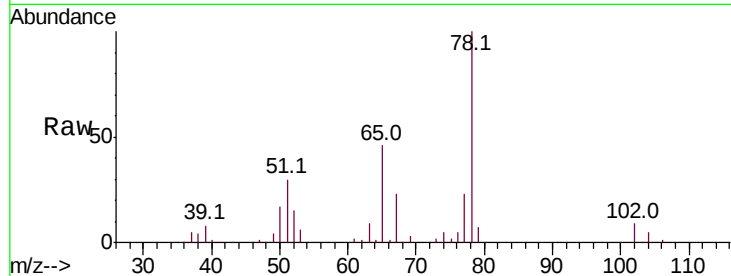




#33
 1,2-Dichloroethane-d4
 Concen: 58.012 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

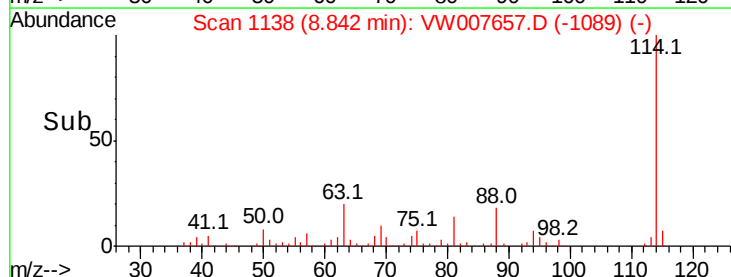
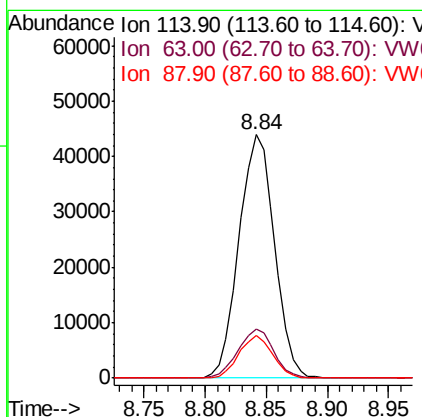
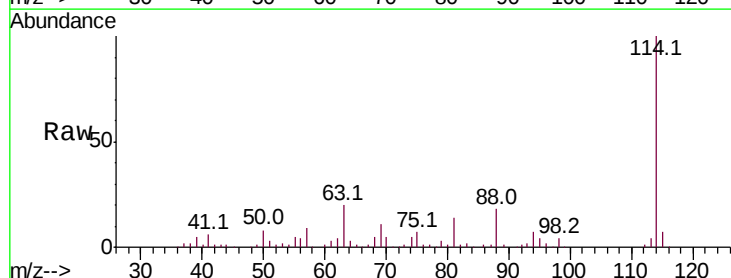
Instrument :
 MSVOA_W
 ClientSampleId :

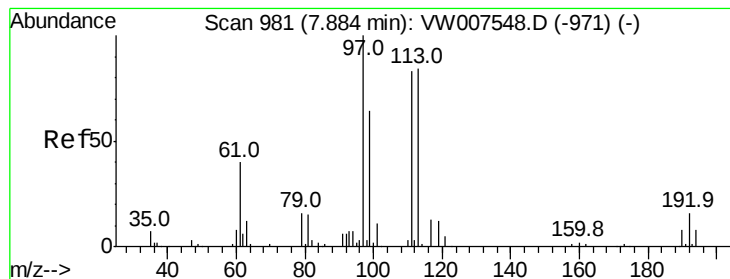
Tot Ion: 65 Resp: 33025
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

Tgt Ion:114 Resp: 88360
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.6
 88 17.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.543 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

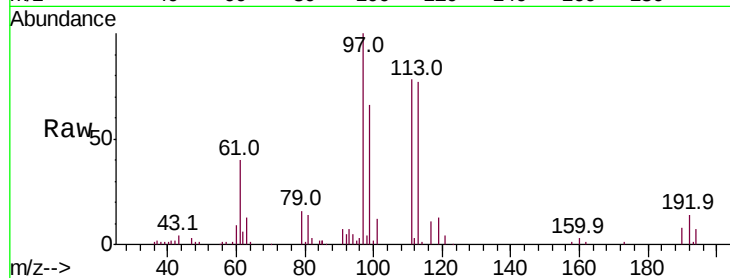
Tot Ion:113 Resp: 24895

Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

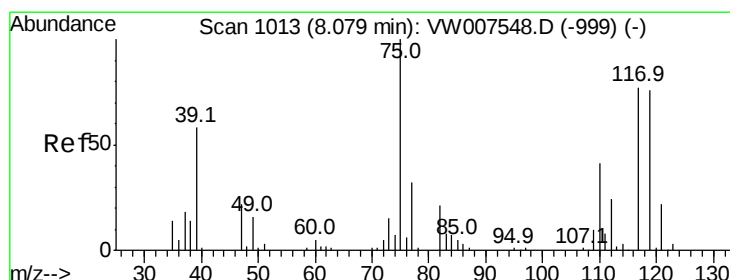
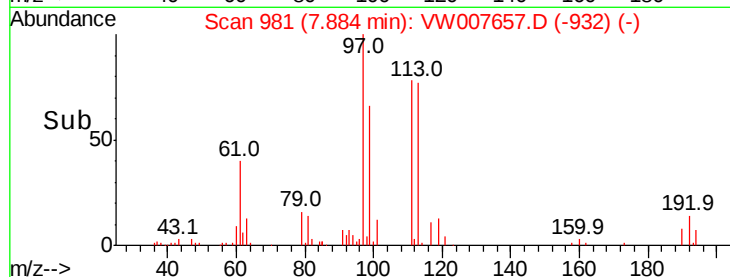
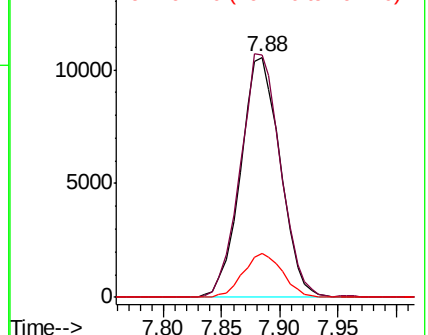
192 18.2 14.6 21.8



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: 45.203 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

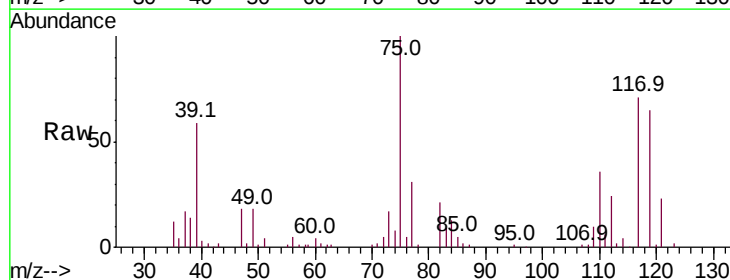
Tgt Ion: 75 Resp: 36436

Ion Ratio Lower Upper

75 100

110 37.0 18.5 55.5

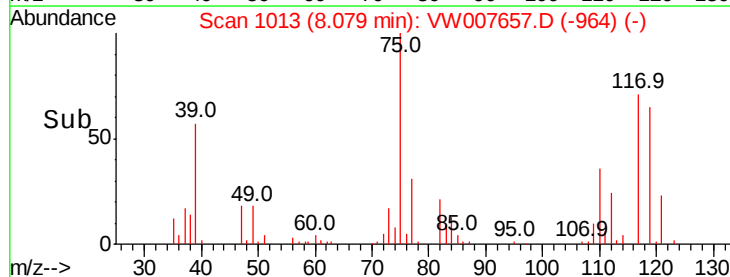
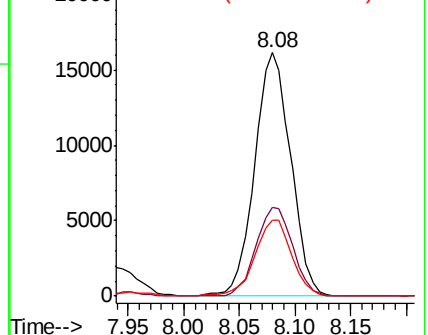
77 31.9 25.6 38.4

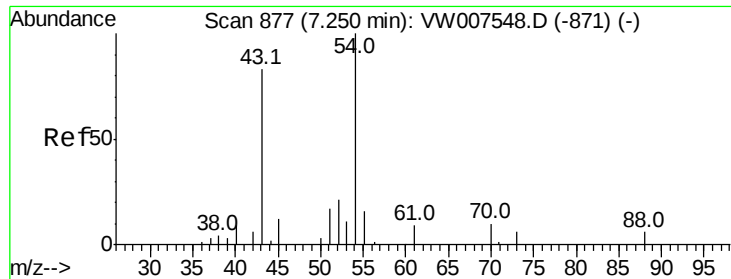


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

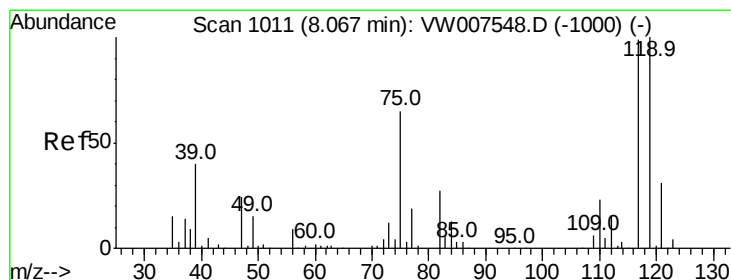
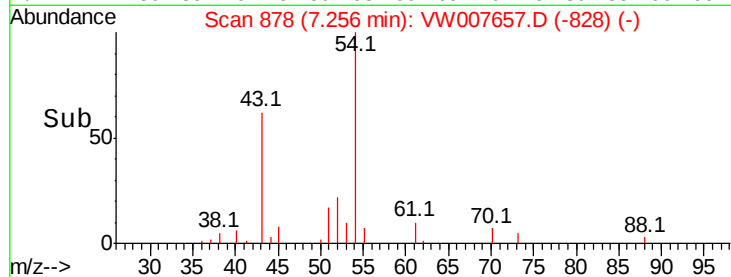
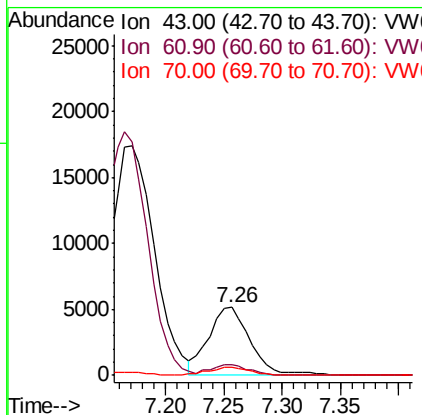
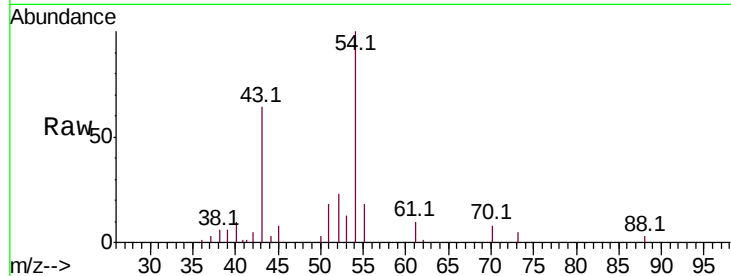




#37
Ethyl Acetate
Concen: 42.952 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

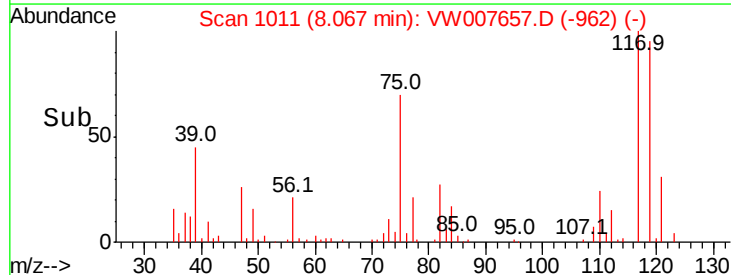
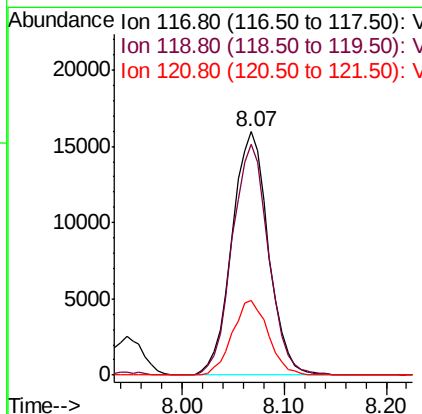
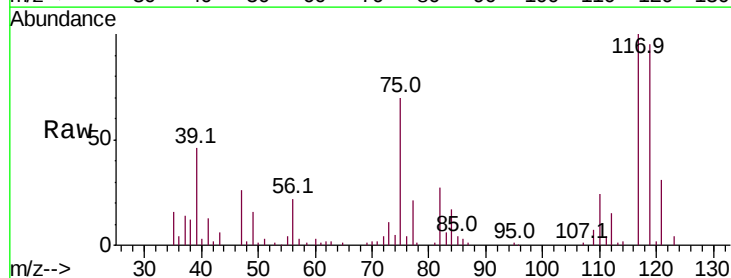
Instrument :
MSVOA_W
ClientSampled :

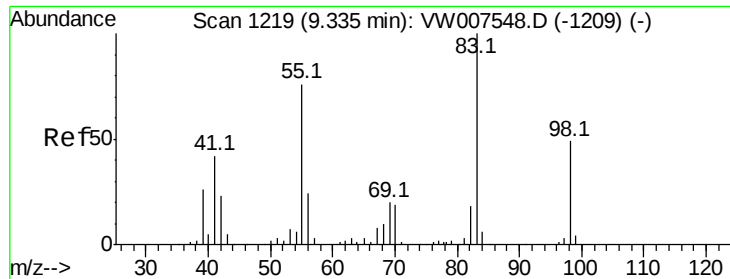
Tot Ion: 43 Resp: 12877
Ion Ratio Lower Upper
43 100
61 14.3 12.1 18.1
70 11.7 10.0 15.0



#38
Carbon Tetrachloride
Concen: 45.068 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion: 117 Resp: 39527
Ion Ratio Lower Upper
117 100
119 94.6 74.3 111.5
121 30.8 24.3 36.5

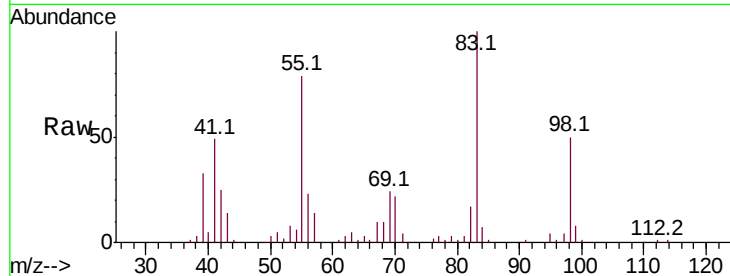




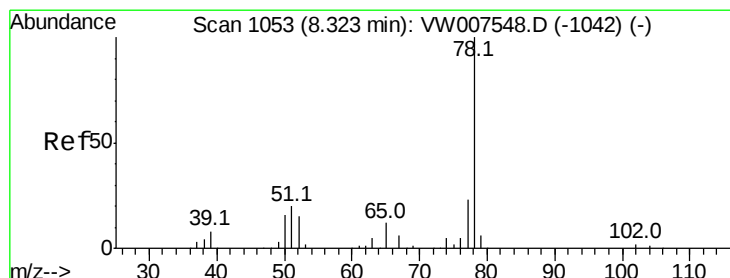
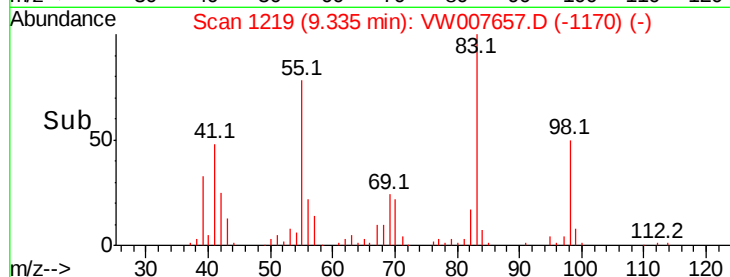
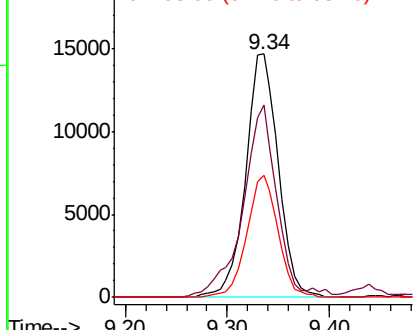
#39
Methvlcvclohexane
Concen: 33.425 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 32624
Ion Ratio Lower Upper
83 100
55 78.3 62.8 94.2
98 50.2 42.2 63.2

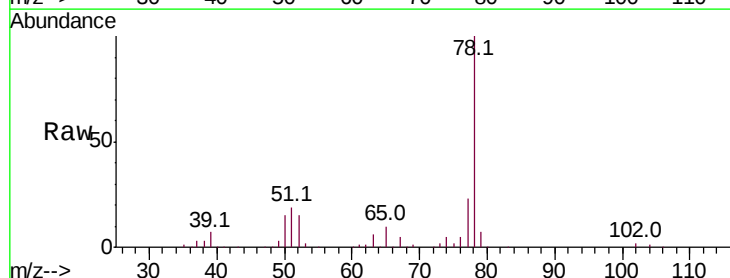


Abundance Ion 83.00 (82.70 to 83.70): VW
20000 Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

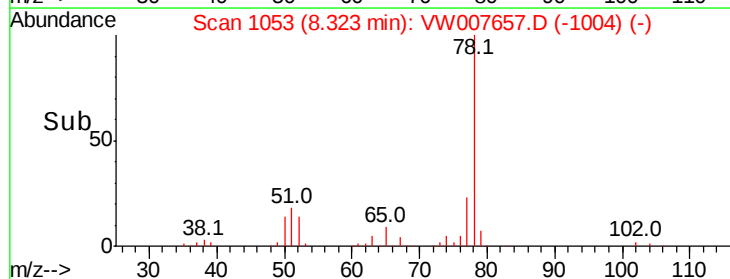
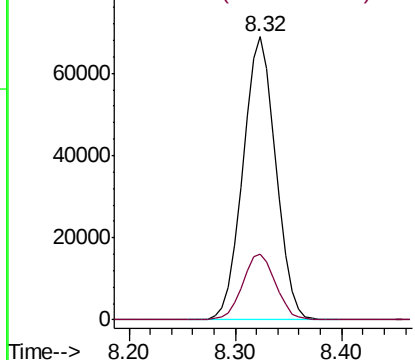


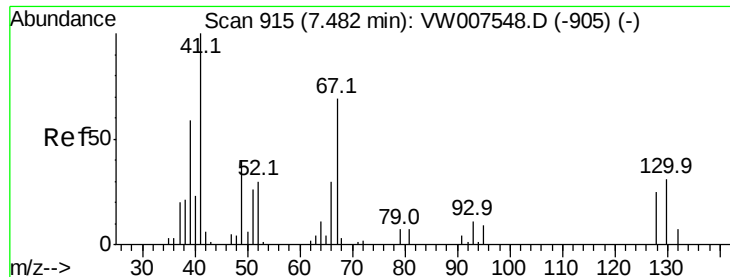
#40
Benzene
Concen: 66.628 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion: 78 Resp: 149043
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VW
80000 Ion 77.00 (76.70 to 77.70): VW

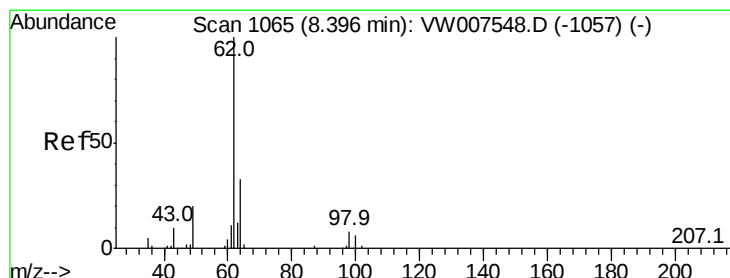
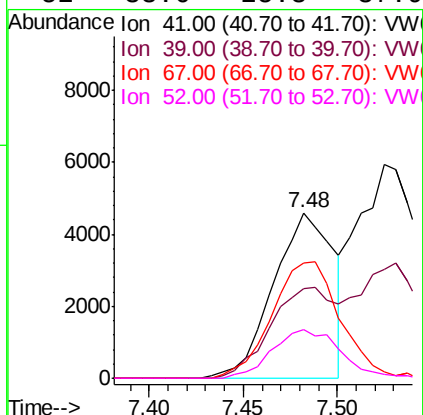
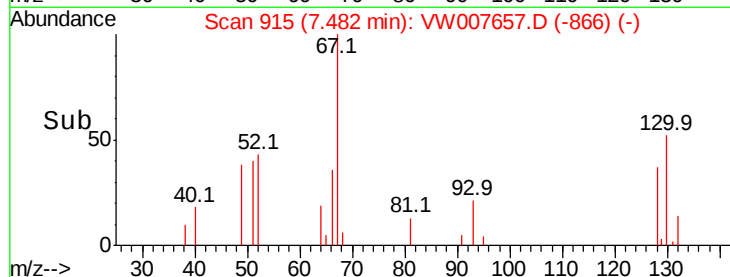
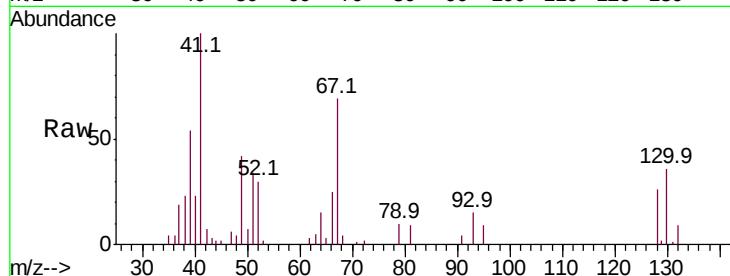




#41
Methacrylonitrile
Concen: 59.565 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

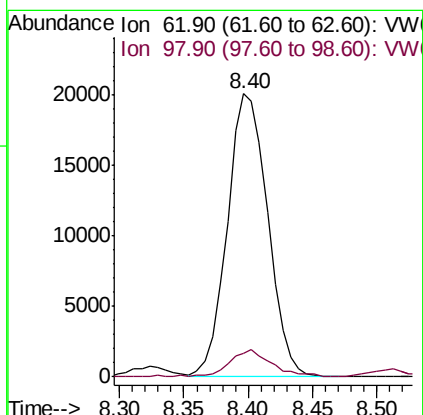
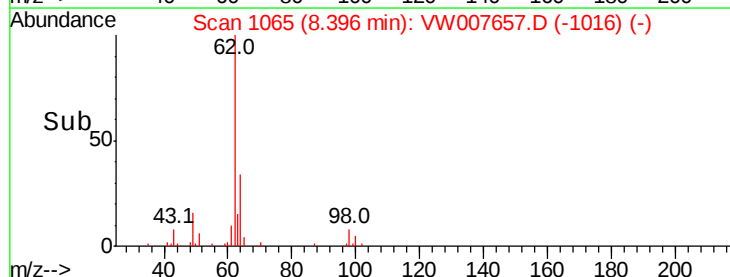
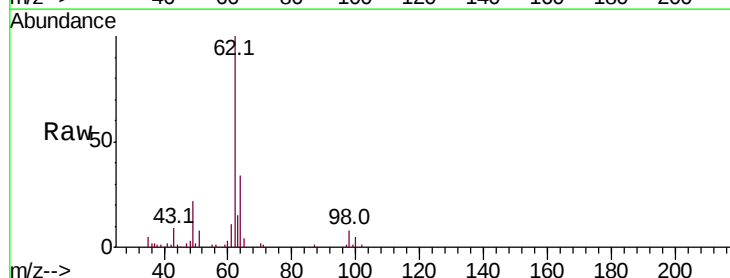
Instrument :
MSVOA_W
ClientSampleId :

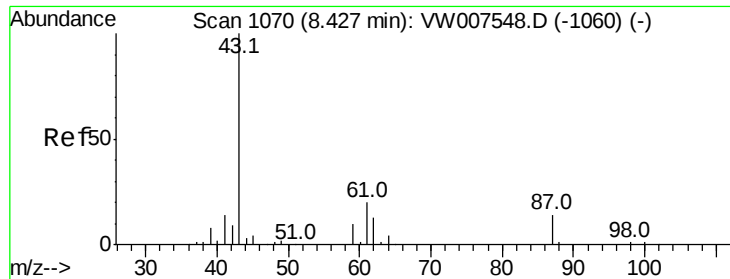
Tot Ion: 41 Resp: 10169
Ion Ratio Lower Upper
41 100
39 59.1 52.2 78.2
67 79.3 60.5 90.7
52 33.6 25.3 37.9



#42
1,2-Dichloroethane
Concen: 62.204 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion: 62 Resp: 43710
Ion Ratio Lower Upper
62 100
98 10.2 0.0 17.6





#43

Isopropyl Acetate

Concen: 54.073 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

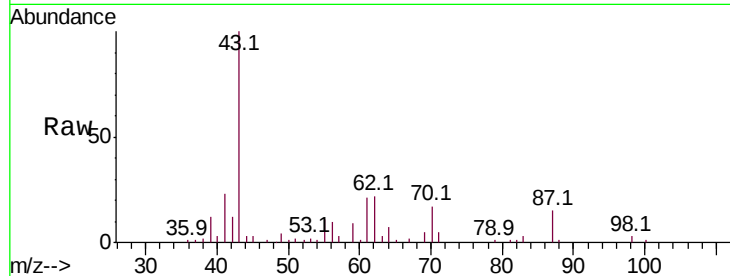
Tot Ion: 43 Resp: 32022

Ion Ratio Lower Upper

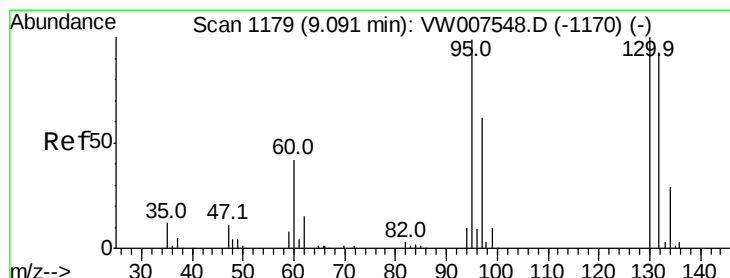
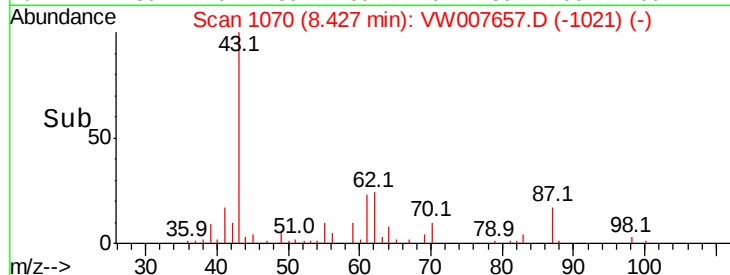
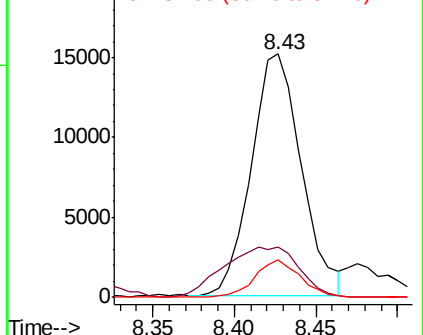
43 100

61 31.5 25.3 37.9

87 14.1 11.8 17.8



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: 78.201 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007657.D

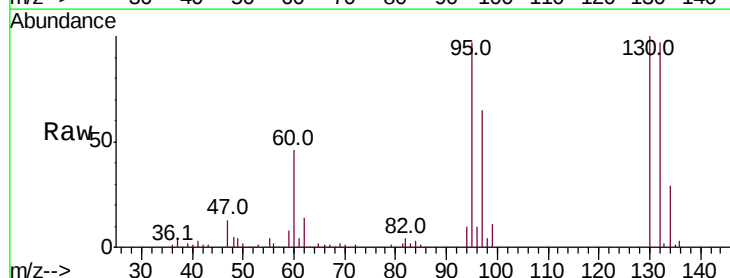
Acq: 18 Dec 2018 14:43

Tgt Ion:130 Resp: 49953

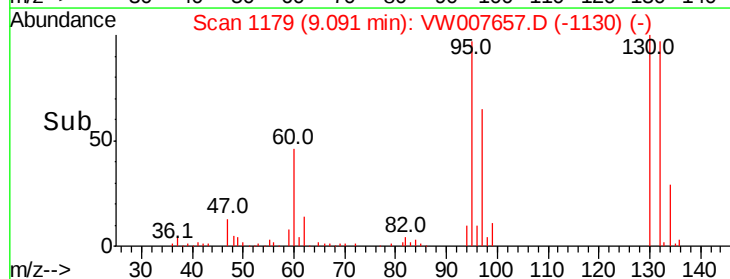
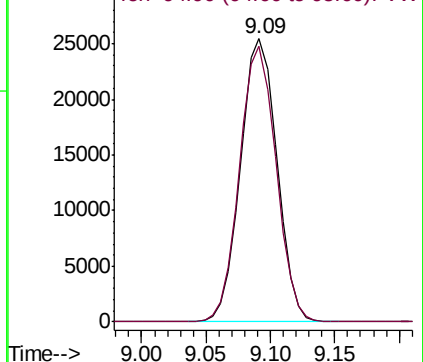
Ion Ratio Lower Upper

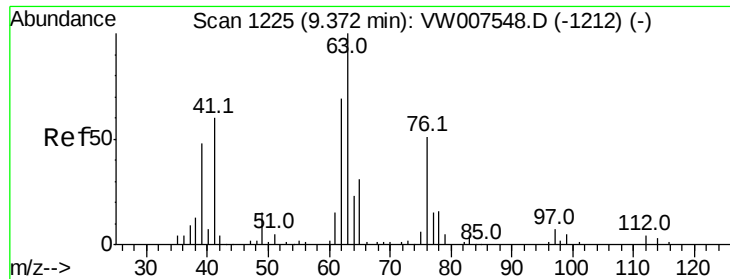
130 100

95 97.5 0.0 193.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 55.273 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

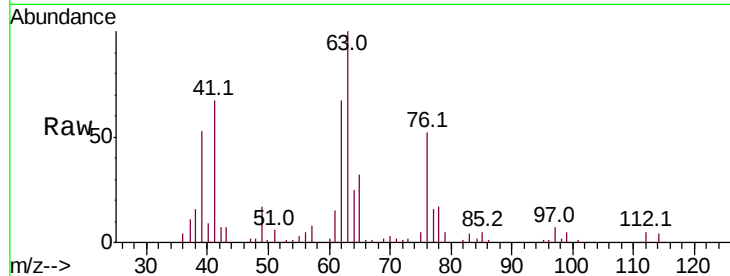
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 28612

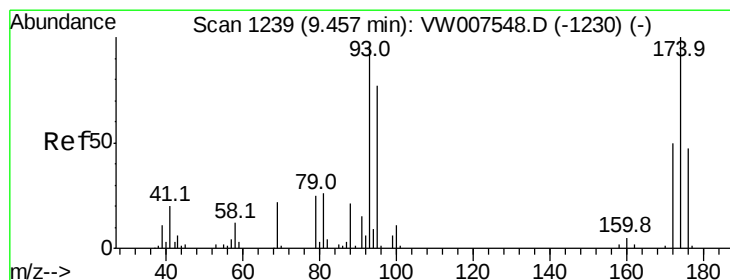
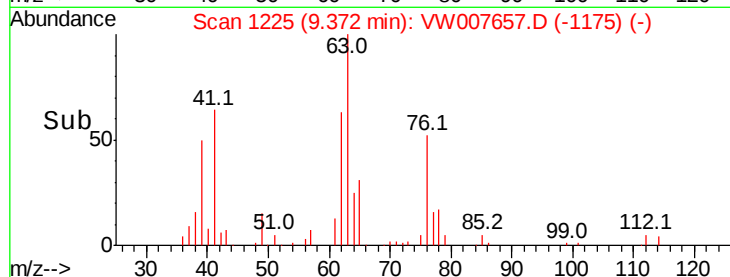
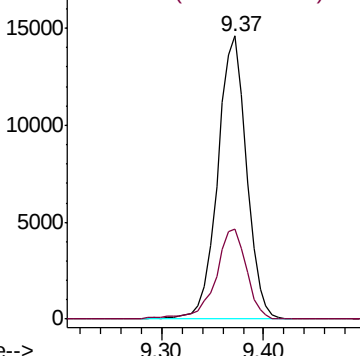
Ion Ratio Lower Upper

63 100

65 31.9 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 58.959 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

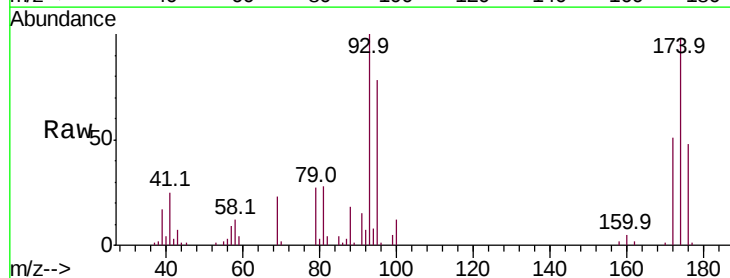
Tgt Ion: 93 Resp: 17332

Ion Ratio Lower Upper

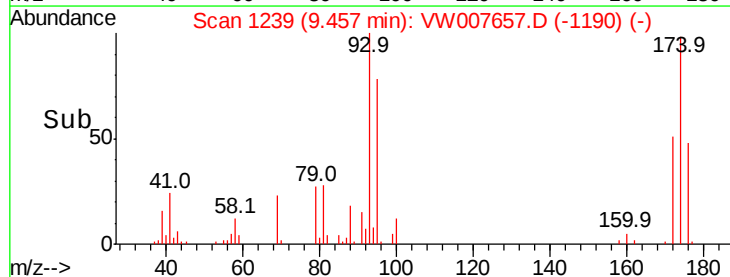
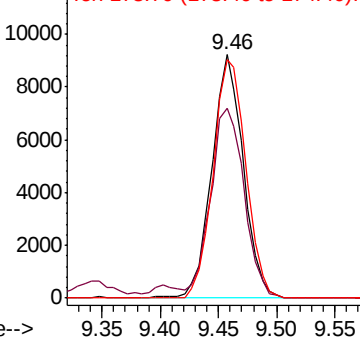
93 100

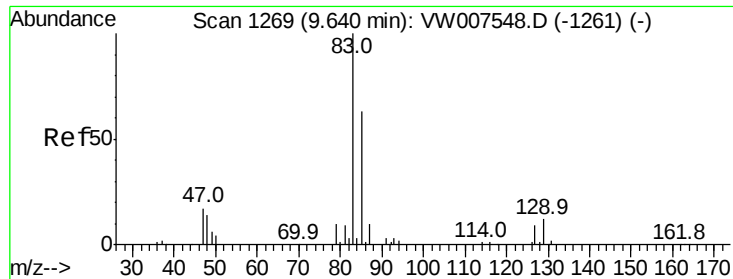
95 83.4 68.0 102.0

174 101.7 83.2 124.8



Abundance Ion 92.80 (92.50 to 93.50): VW
Ion 94.80 (94.50 to 95.50): VW
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 59.555 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

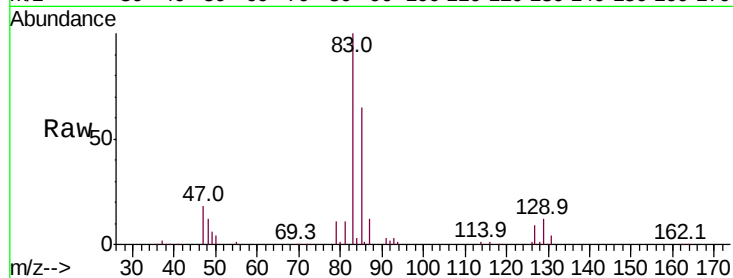
Tot Ion: 83 Resp: 45922

Ion Ratio Lower Upper

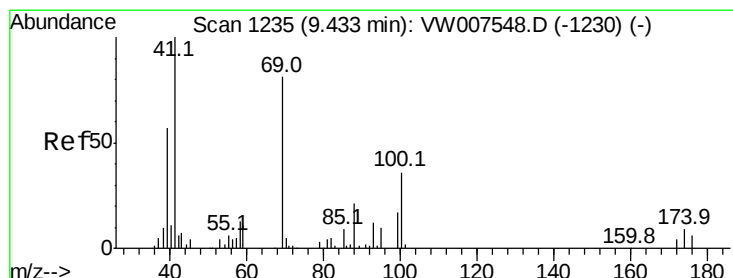
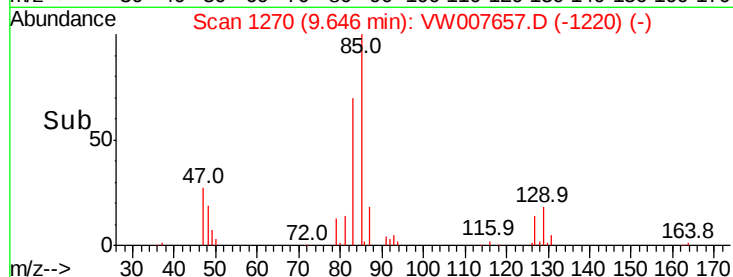
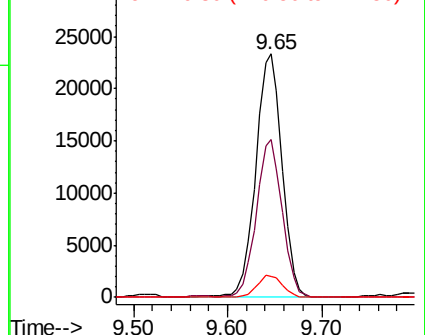
83 100

85 64.8 47.6 71.4

127 8.7 6.7 10.1



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): V



#48

Methyl methacrylate

Concen: 54.271 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

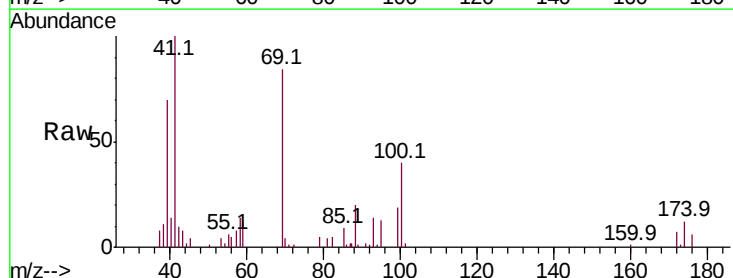
Tgt Ion: 41 Resp: 16506

Ion Ratio Lower Upper

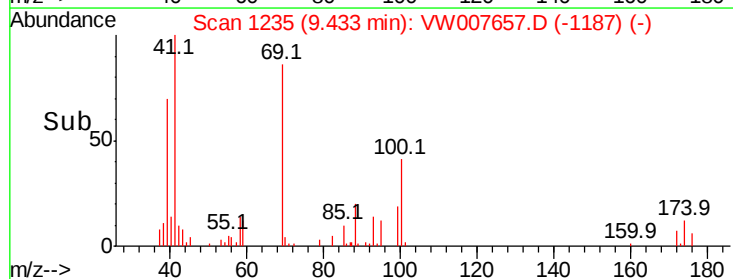
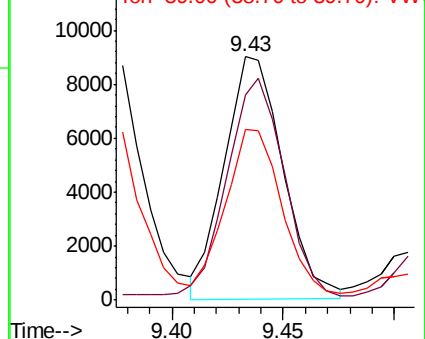
41 100

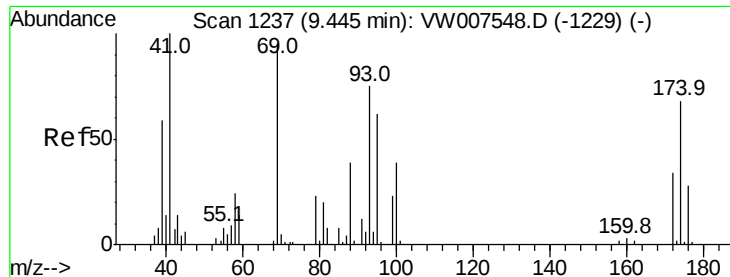
69 90.4 69.8 104.8

39 68.9 50.9 76.3



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: 1167.970 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampled :

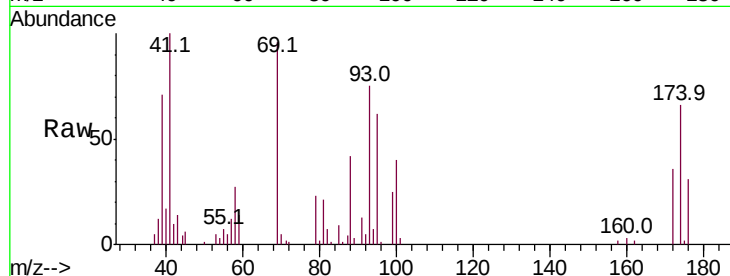
Tot Ion: 88 Resp: 5571

Ion Ratio Lower Upper

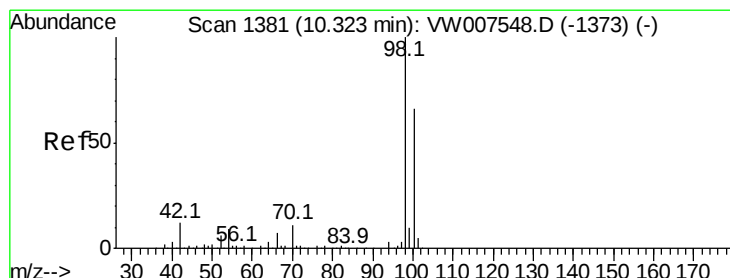
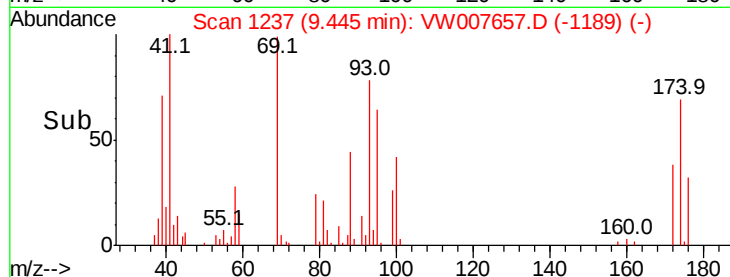
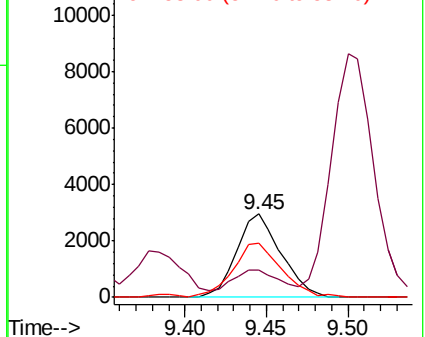
88 100

43 38.0 25.0 37.4#

58 71.1 51.4 77.2



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 42.699 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007657.D

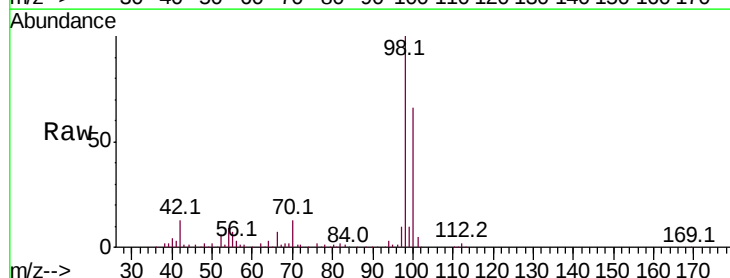
Acq: 18 Dec 2018 14:43

Tgt Ion: 98 Resp: 85632

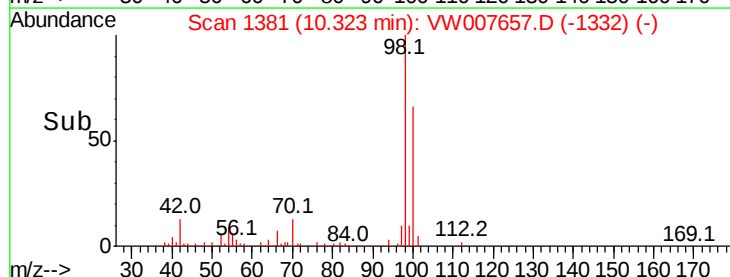
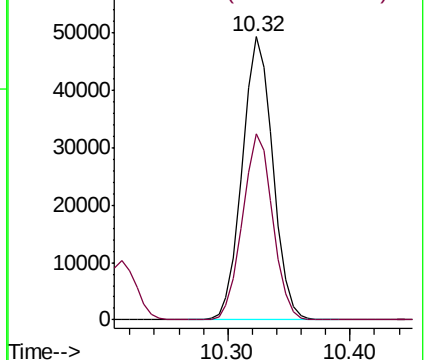
Ion Ratio Lower Upper

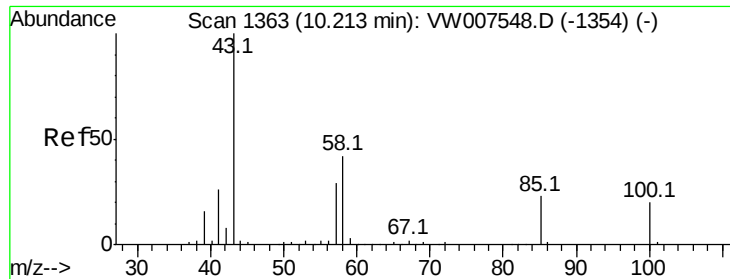
98 100

100 65.0 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

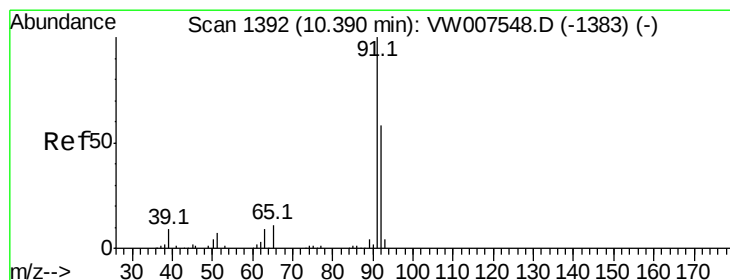
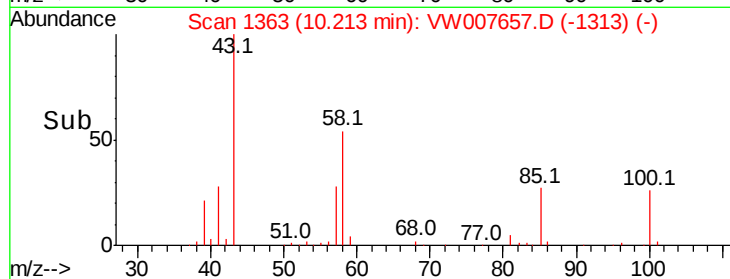
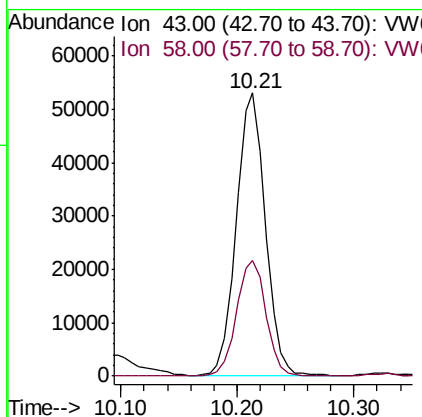
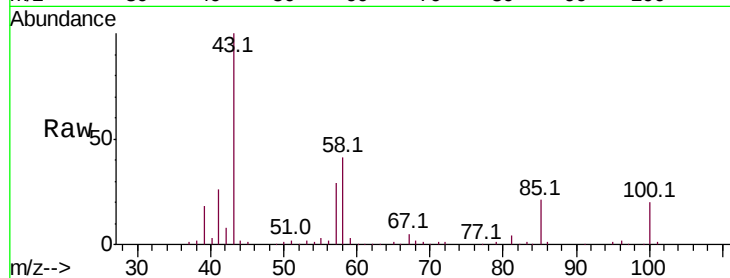




#51
4-Methyl-2-Pentanone
Concen: 329.139 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

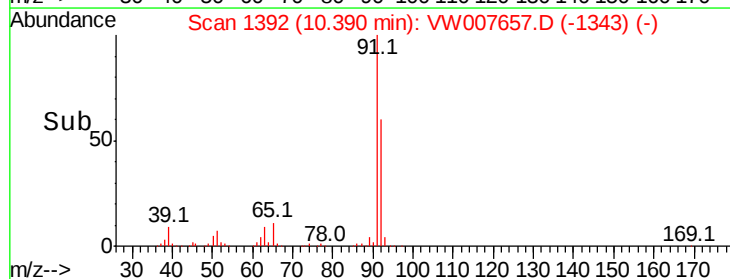
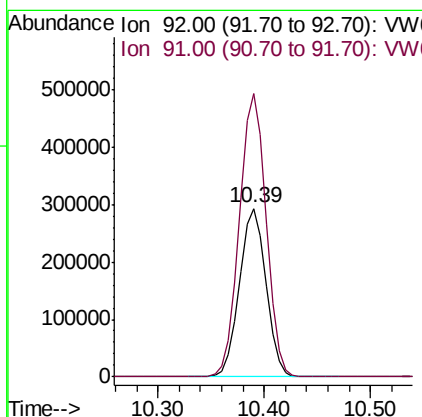
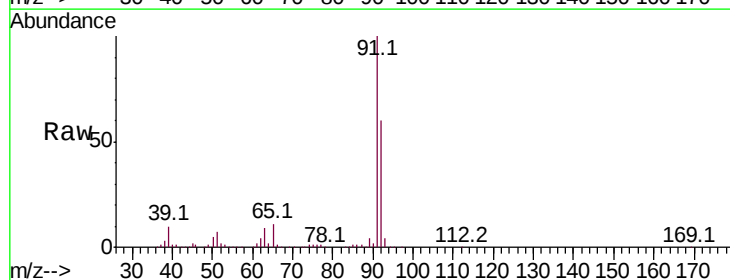
Instrument :
MSVOA_W
ClientSampled :

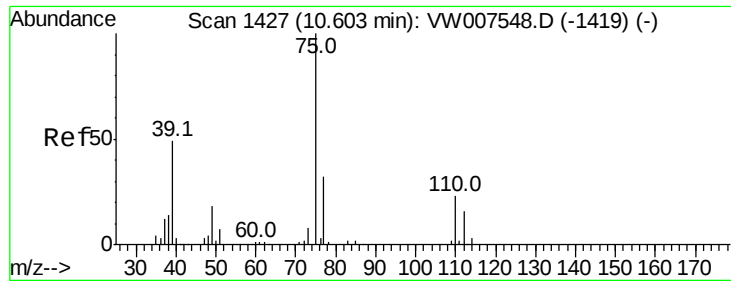
Tot Ion: 43 Resp: 92097
Ion Ratio Lower Upper
43 100
58 41.4 33.1 49.7



#52
Toluene
Concen: 354.676 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion: 92 Resp: 513437
Ion Ratio Lower Upper
92 100
91 169.5 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 57.328 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

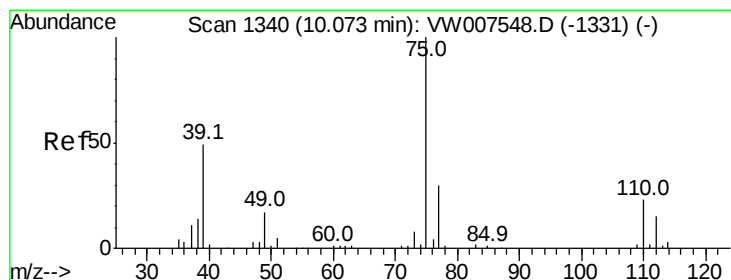
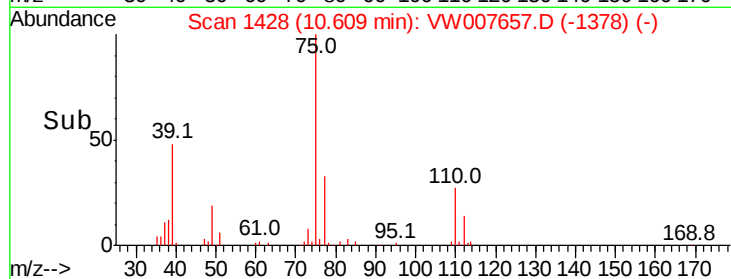
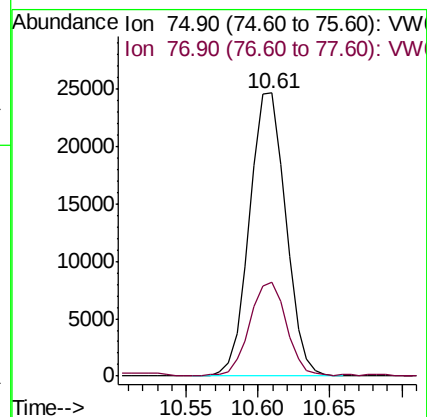
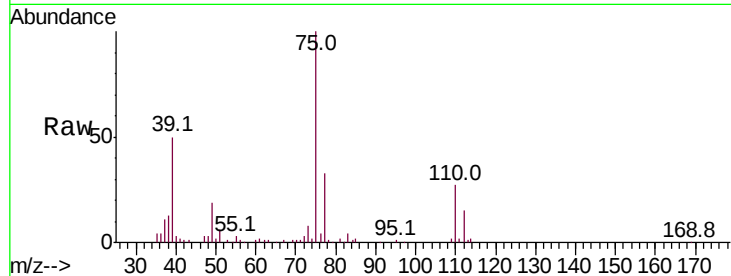
ClientSampled :

Tot Ion: 75 Resp: 42915

Ion Ratio Lower Upper

75 100

77 33.0 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 56.772 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

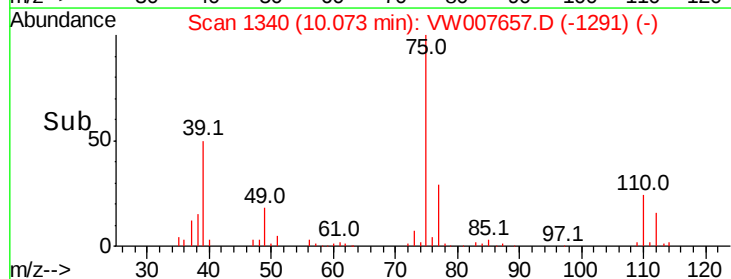
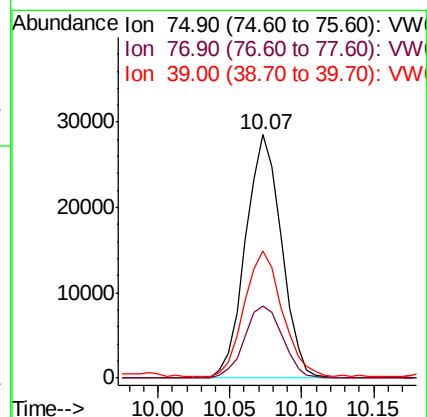
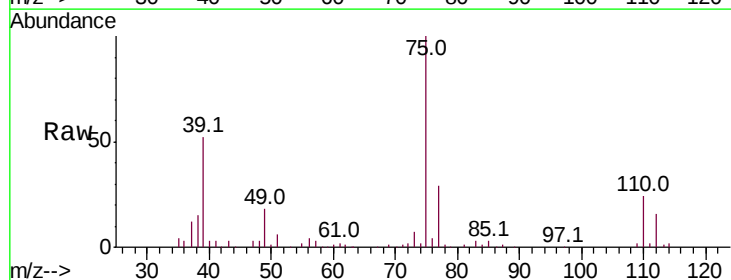
Tgt Ion: 75 Resp: 49129

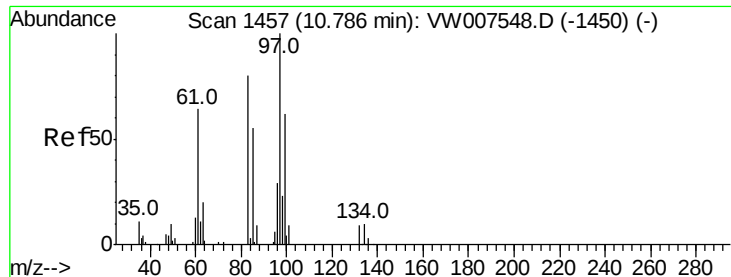
Ion Ratio Lower Upper

75 100

77 29.4 24.8 37.2

39 51.7 40.9 61.3





#55

1,1,2-Trichloroethane

Concen: 68.372 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 27355

Ion	Ratio	Lower	Upper
97	100		
83	75.1	62.1	93.1
85	50.3	44.2	66.4
99	56.9	50.2	75.4

Abundance

Ion 96.90 (96.60 to 97.60): VW

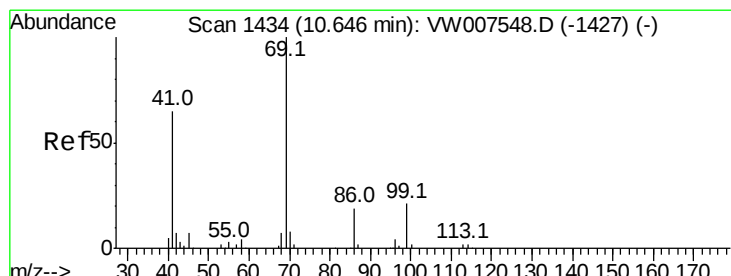
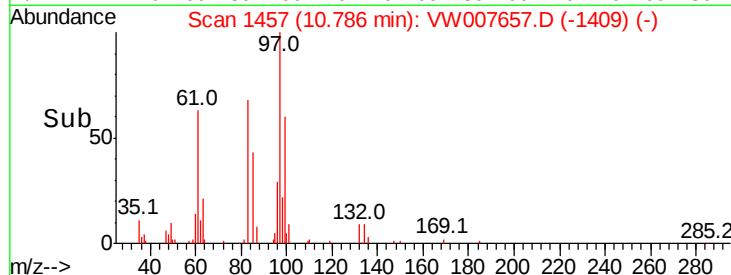
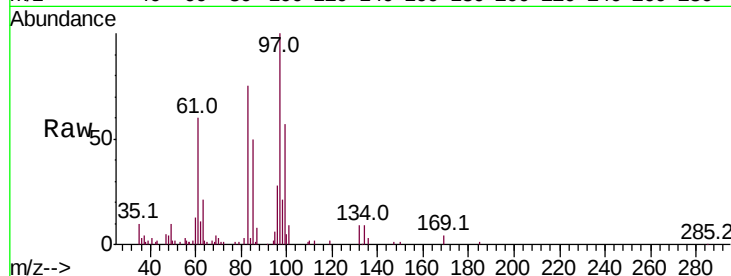
Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

10.79

Time-->



#56

Ethyl methacrylate

Concen: 59.606 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Tgt Ion: 69 Resp: 28664

Ion	Ratio	Lower	Upper
69	100		
41	65.4	51.0	76.6
39	40.1	30.8	46.2

Abundance

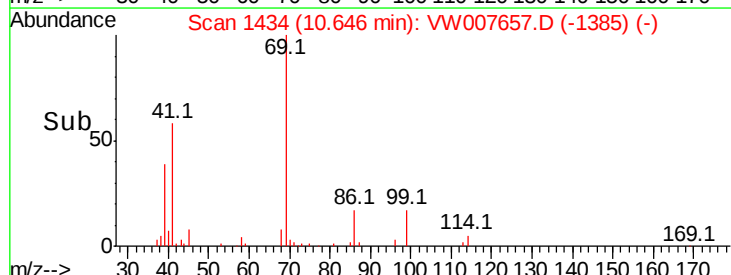
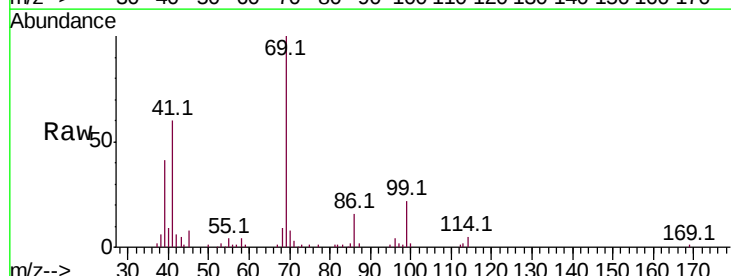
Ion 69.00 (68.70 to 69.70): VW

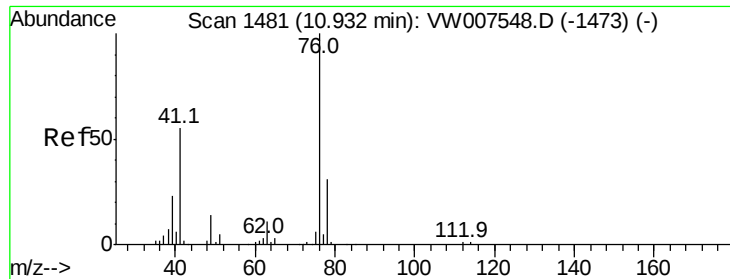
Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

10.65

Time-->





#57

1,3-Dichloropropane

Concen: 58.533 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

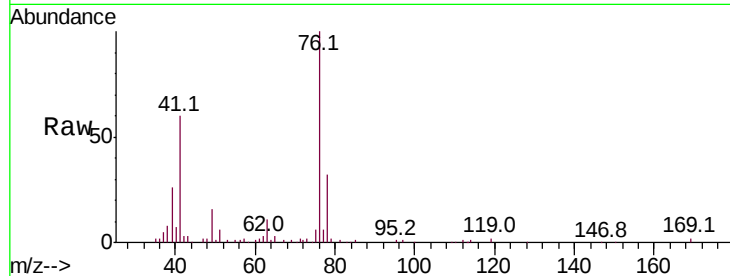
ClientSampleId :

Tot Ion: 76 Resp: 38438

Ion Ratio Lower Upper

76 100

78 33.1 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

25000

20000

15000

10000

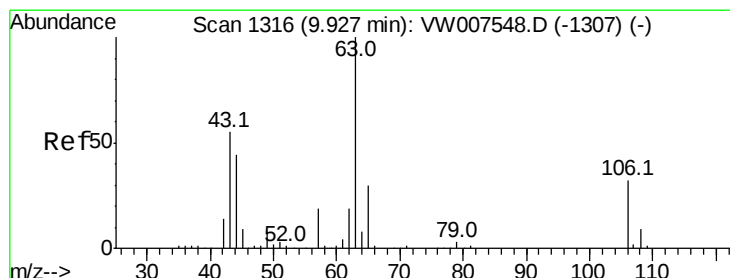
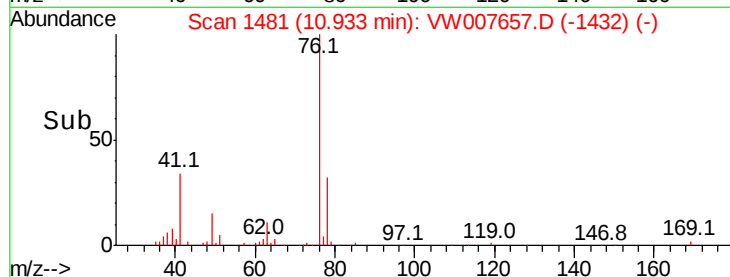
5000

0

Time-->

10.90

11.00



#58

2-Chloroethyl Vinyl ether

Concen: 337.771 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW007657.D

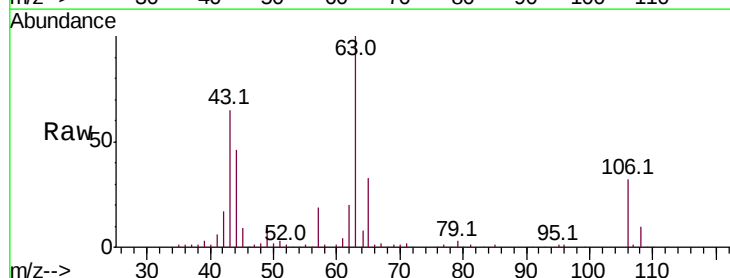
Acq: 18 Dec 2018 14:43

Tgt Ion: 63 Resp: 74905

Ion Ratio Lower Upper

63 100

106 32.5 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

50000

40000

30000

20000

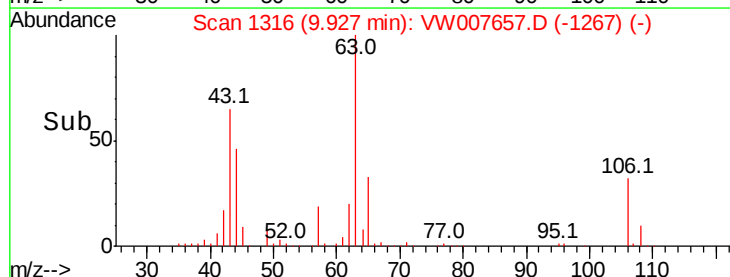
10000

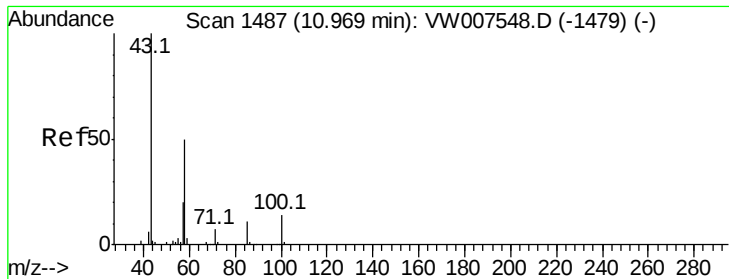
0

Time-->

9.90

10.00

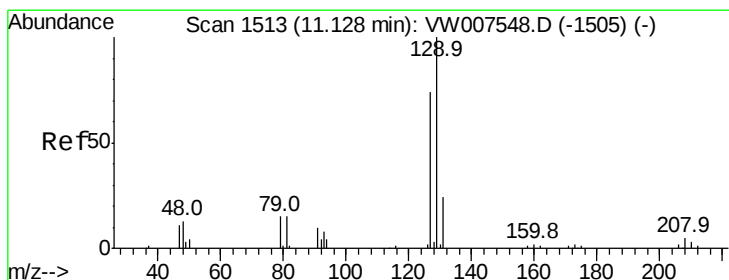
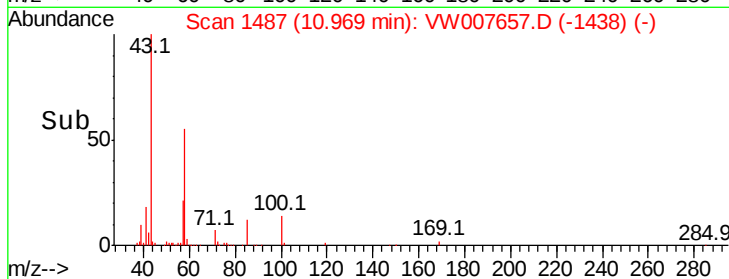
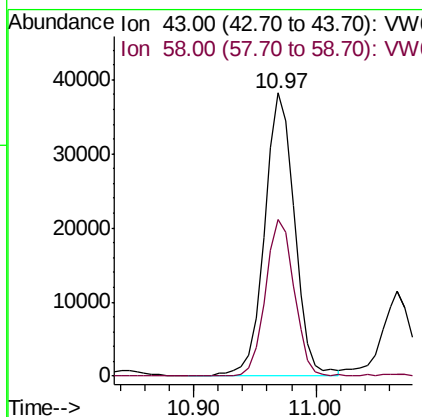
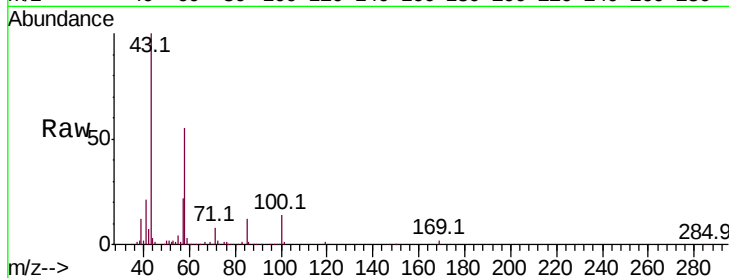




#59
2-Hexanone
Concen: 349.553 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

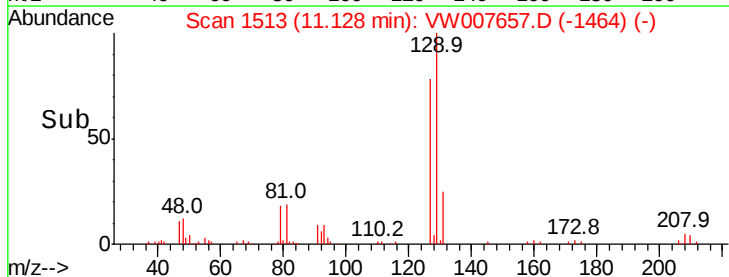
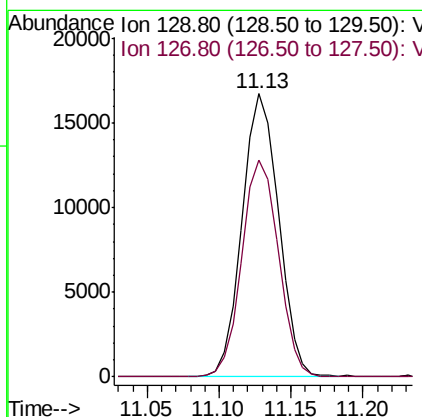
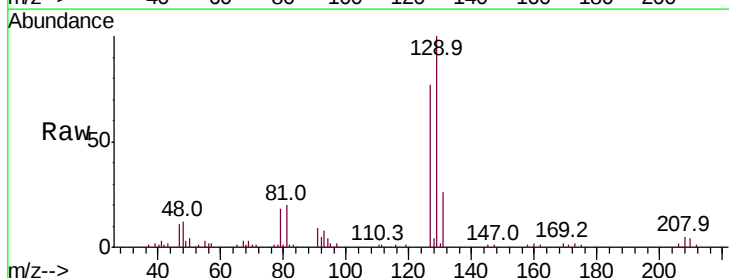
Instrument :
MSVOA_W
ClientSampled :

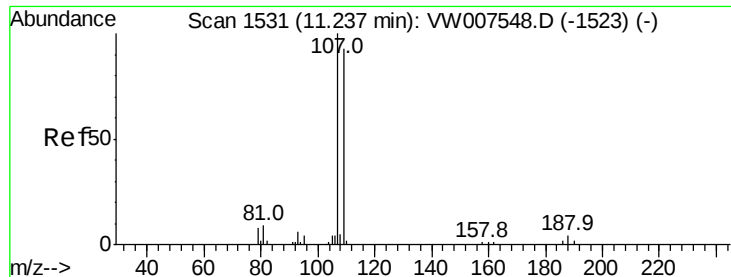
Tot Ion: 43 Resp: 65219
Ion Ratio Lower Upper
43 100
58 53.1 27.1 81.3



#60
Dibromochloromethane
Concen: 58.226 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion: 129 Resp: 29399
Ion Ratio Lower Upper
129 100
127 76.8 38.1 114.3

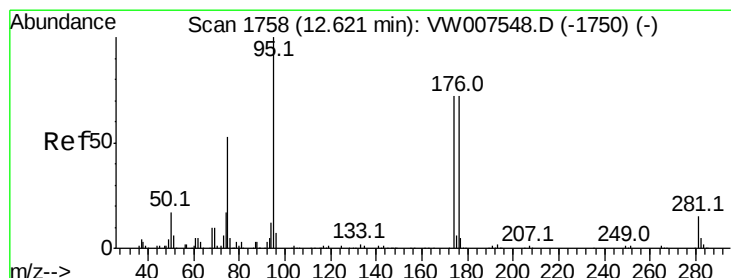
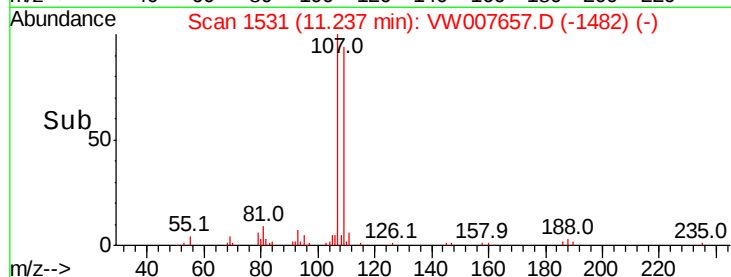
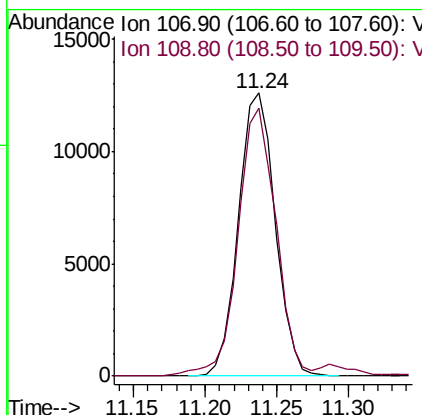
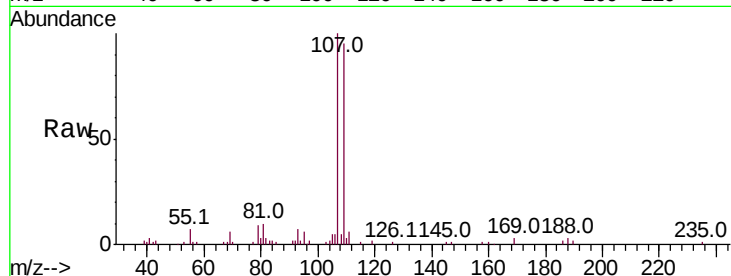




#61
 1,2-Dibromoethane
 Concen: 56.280 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

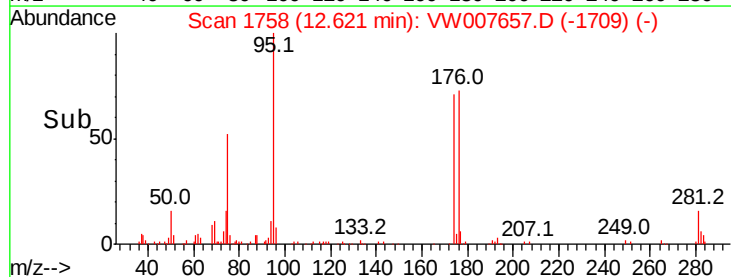
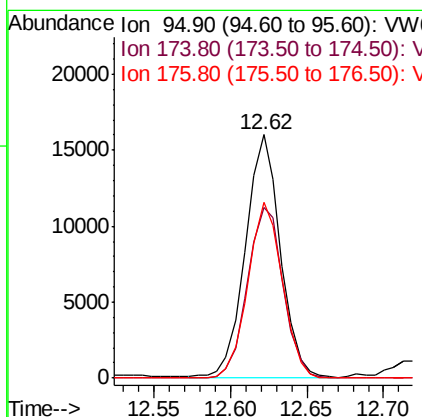
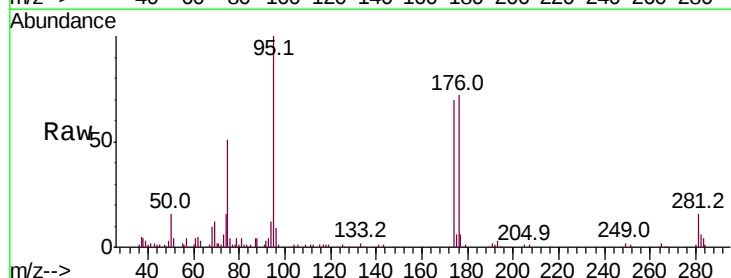
Instrument :
 MSVOA_W
 ClientSampleId :

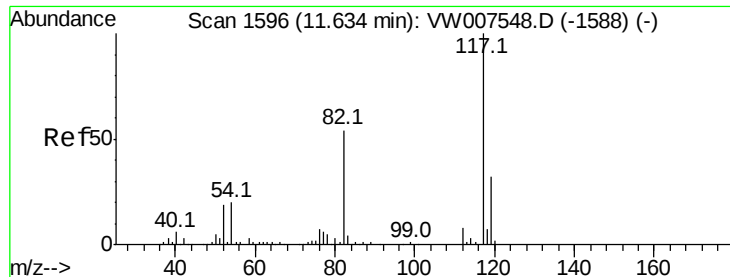
Tot Ion:107 Resp: 22252
 Ion Ratio Lower Upper
 107 100
 109 97.6 79.1 118.7



#62
 4-Bromofluorobenzene
 Concen: 34.093 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

Tgt Ion: 95 Resp: 25139
 Ion Ratio Lower Upper
 95 100
 174 72.7 0.0 147.2
 176 71.8 0.0 138.8

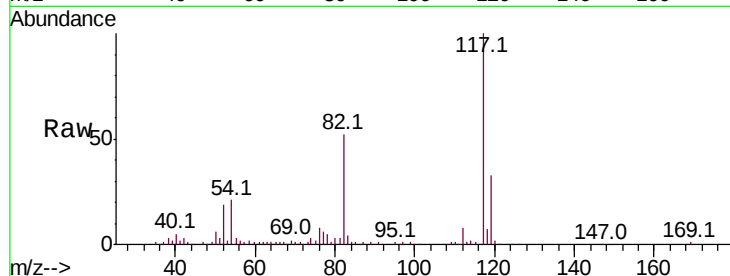




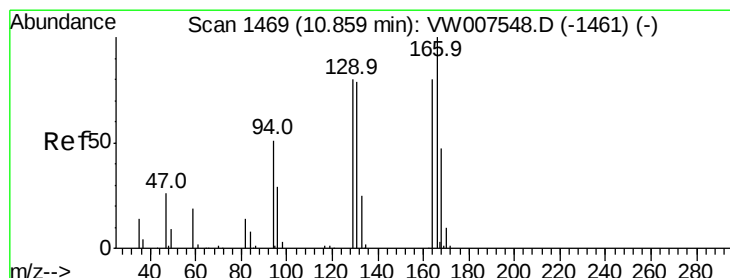
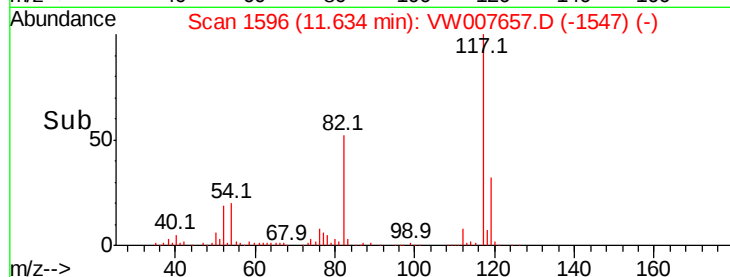
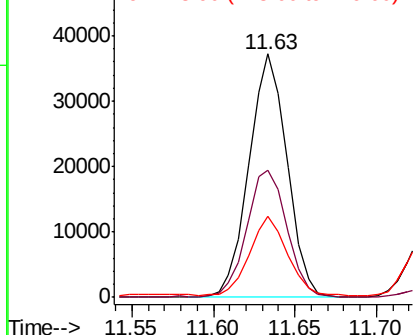
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 60387
Ion Ratio Lower Upper
117 100
82 52.1 42.3 63.5
119 32.2 23.0 34.6

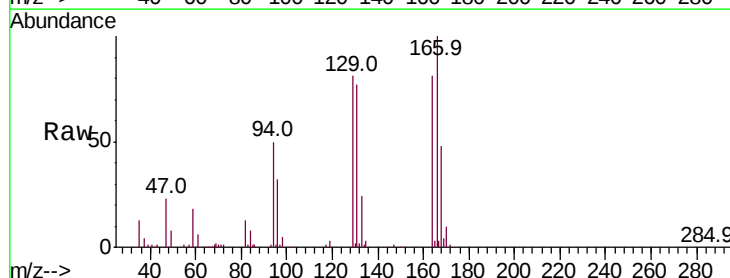


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

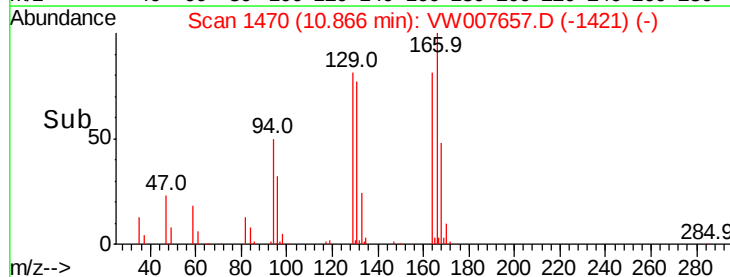
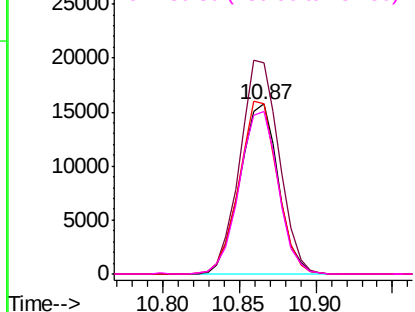


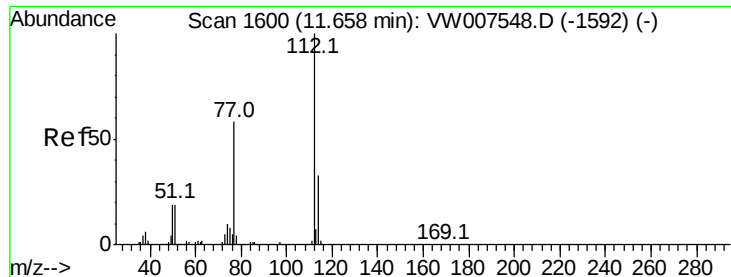
#64
Tetrachloroethene
Concen: 63.218 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion:164 Resp: 27453
Ion Ratio Lower Upper
164 100
166 124.1 107.9 161.9
129 100.1 73.4 110.2
131 95.4 75.8 113.6



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

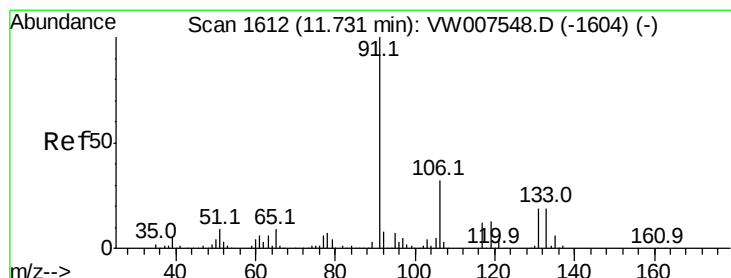
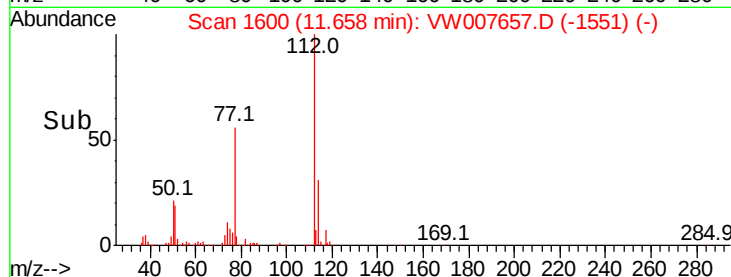
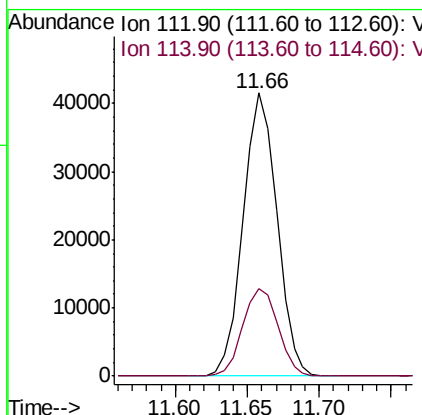
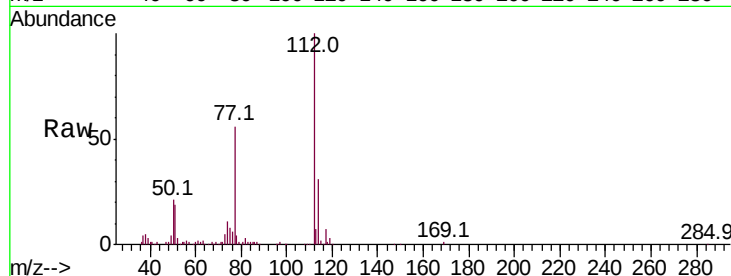




#65
Chlorobenzene
Concen: 53.729 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

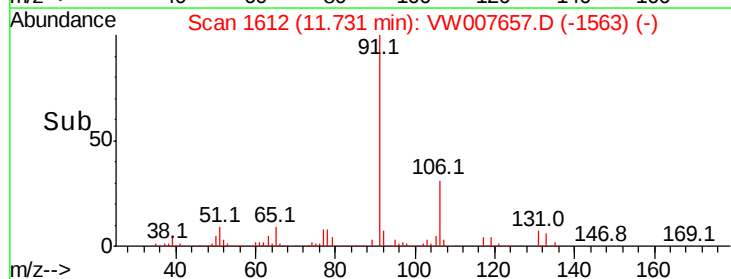
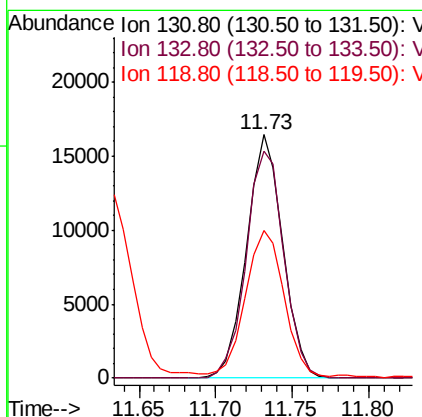
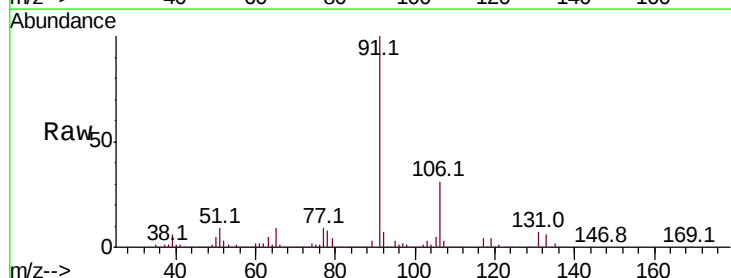
Instrument :
MSVOA_W
ClientSampleId :

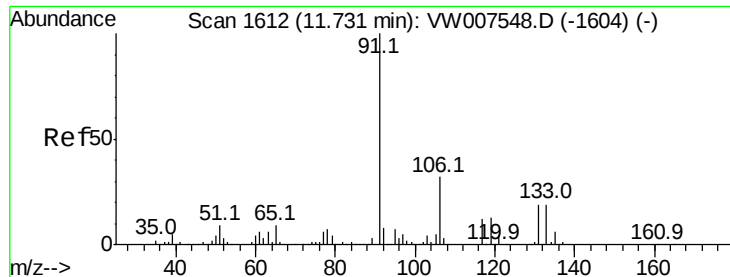
Tot Ion:112 Resp: 67626
Ion Ratio Lower Upper
112 100
114 31.0 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 60.982 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion:131 Resp: 27033
Ion Ratio Lower Upper
131 100
133 97.1 47.1 141.4
119 64.8 31.3 93.9

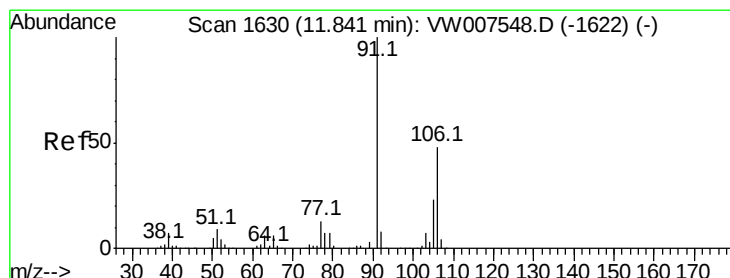
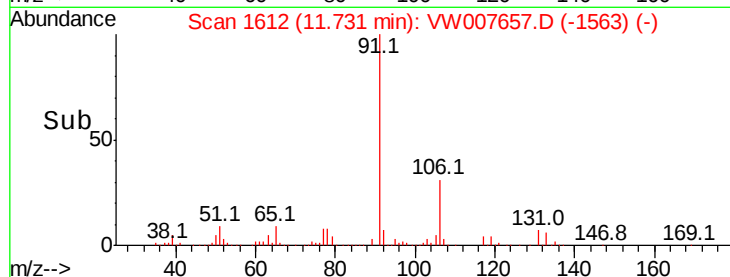
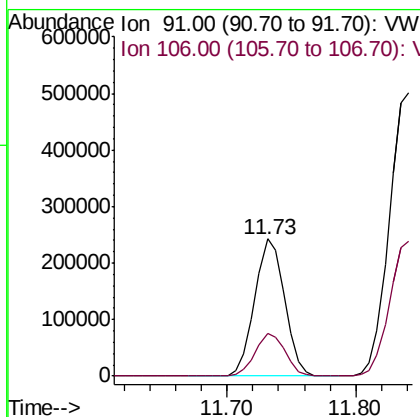
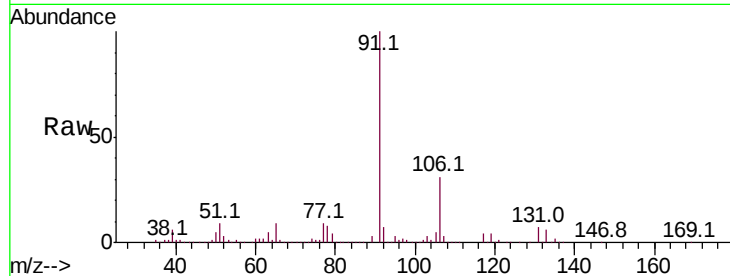




#67
Ethyl Benzene
Concen: 179.339 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

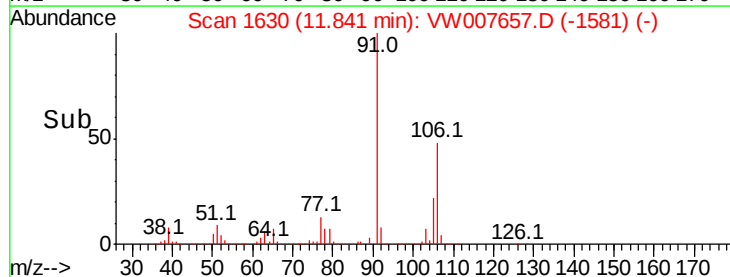
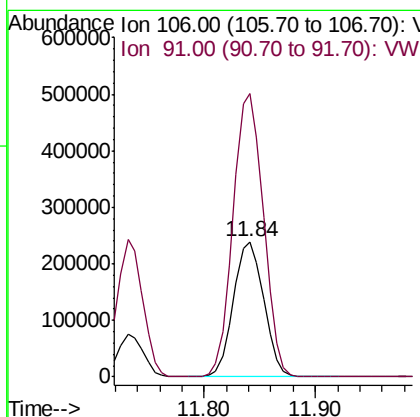
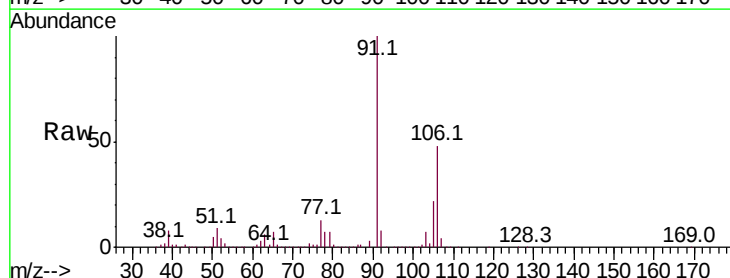
Instrument :
MSVOA_W
ClientSampleId :

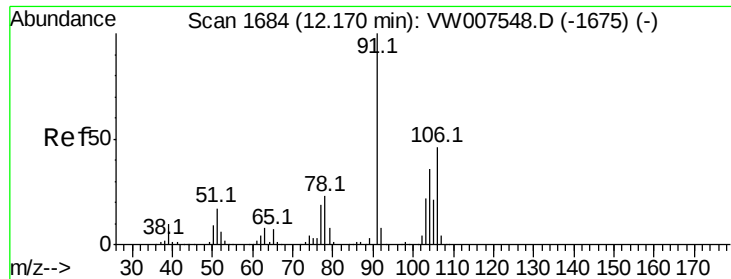
Tot Ion: 91 Resp: 388086
Ion Ratio Lower Upper
91 100
106 31.5 21.8 32.8



#68
m/p-Xylenes
Concen: 535.838 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion: 106 Resp: 450780
Ion Ratio Lower Upper
106 100
91 209.9 165.3 247.9

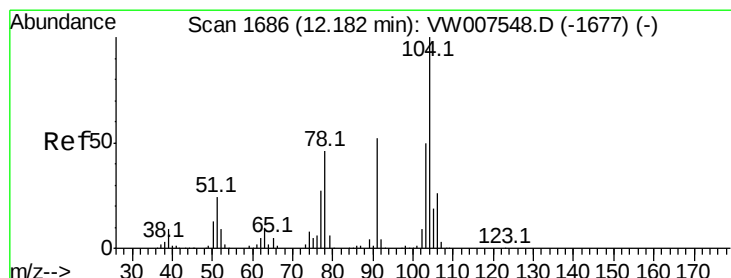
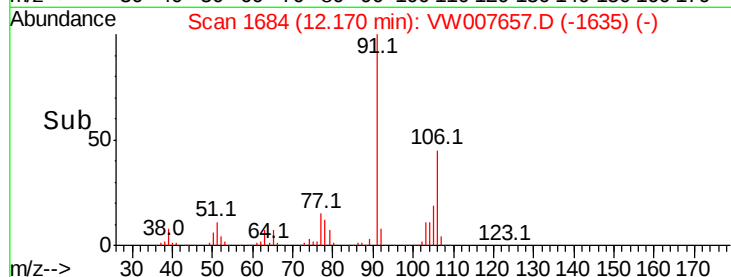
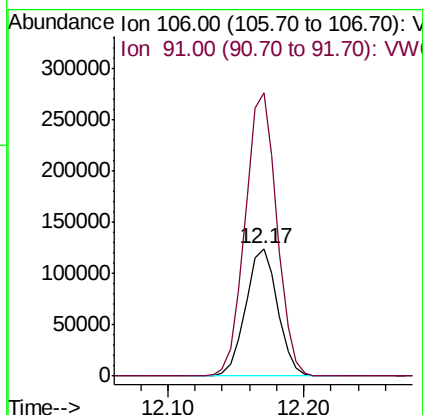
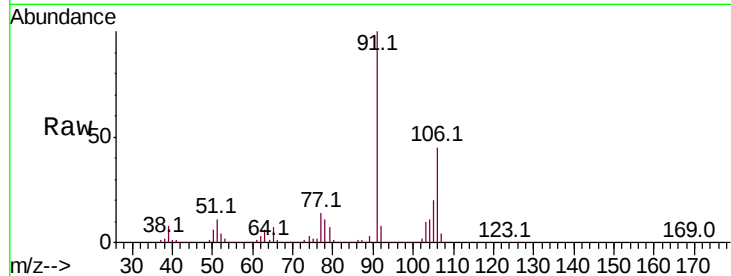




#69
o-Xylene
Concen: 259.359 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

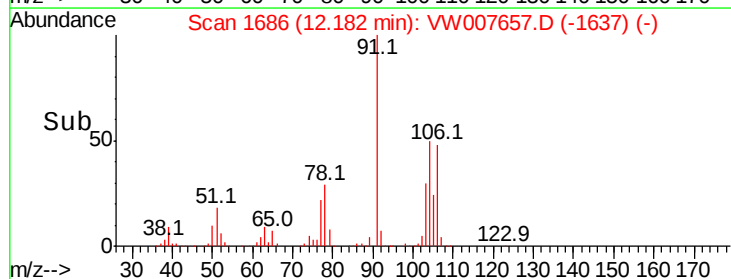
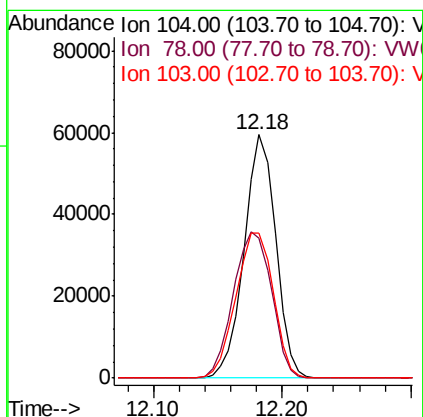
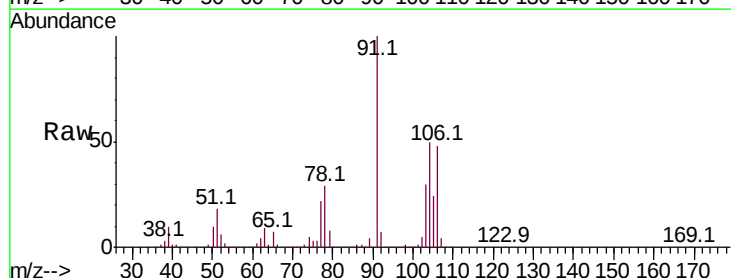
Instrument :
MSVOA_W
ClientSampled :

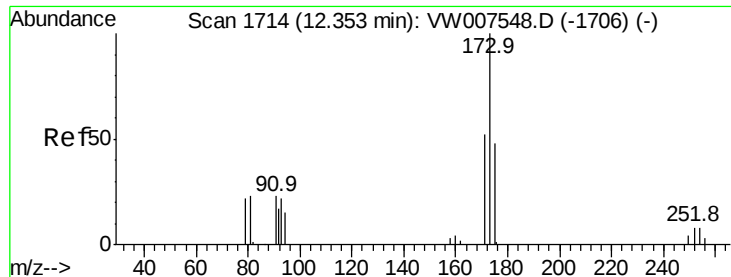
Tot Ion:106 Resp: 203774
Ion Ratio Lower Upper
106 100
91 220.8 106.6 319.8



#70
Styrene
Concen: 79.379 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion:104 Resp: 100735
Ion Ratio Lower Upper
104 100
78 73.2 41.8 62.8#
103 71.4 46.6 69.8#

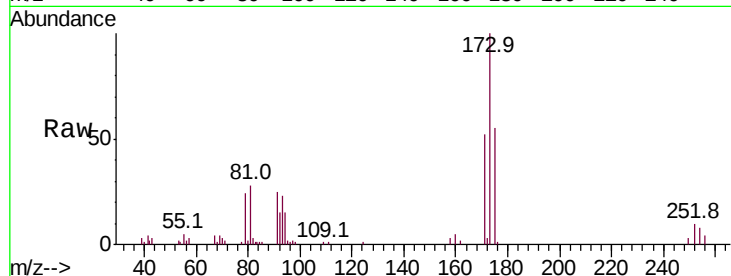




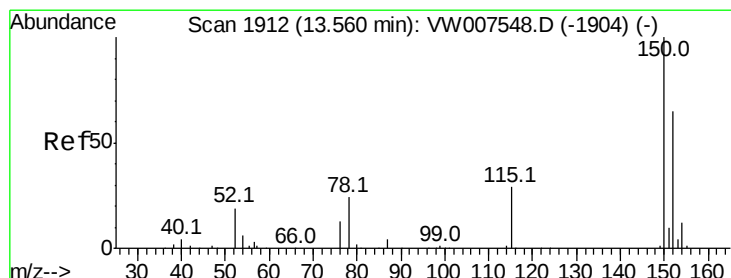
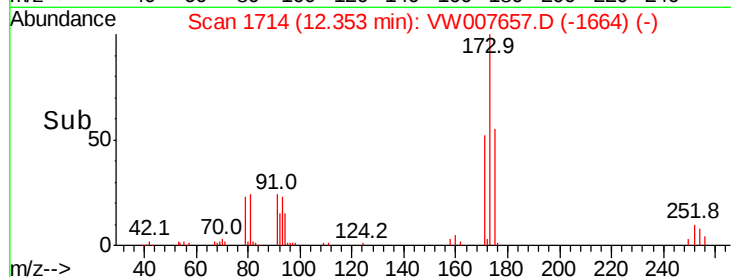
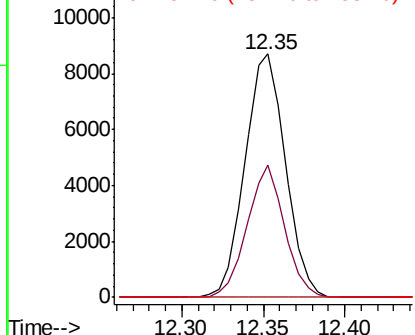
#71
Bromoform
Concen: 65.910 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:173 Resp: 14955
Ion Ratio Lower Upper
173 100
175 50.1 23.6 70.8
254 0.0 0.0 0.0

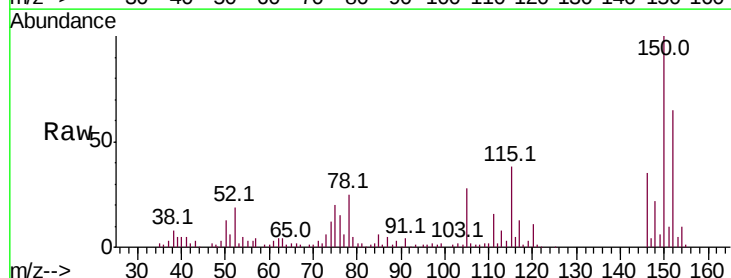


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

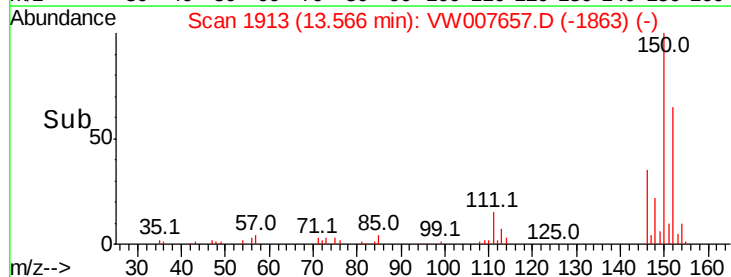
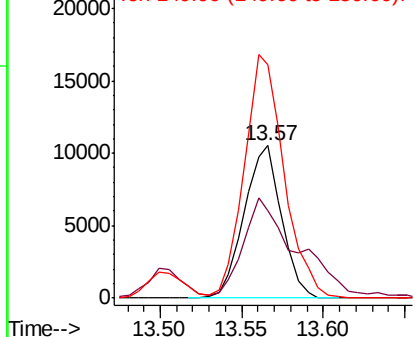


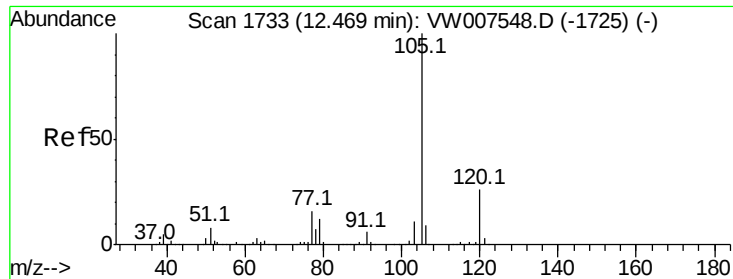
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion:152 Resp: 16714
Ion Ratio Lower Upper
152 100
115 98.0 31.4 94.2#
150 171.0 0.0 358.4



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: 67.981 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

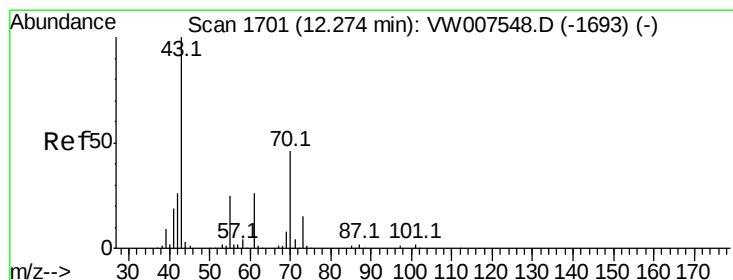
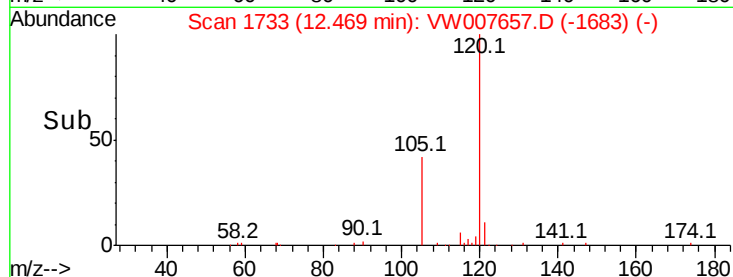
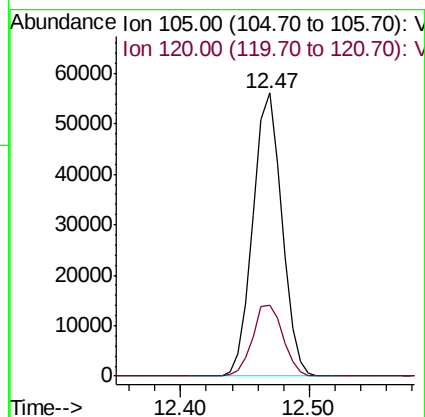
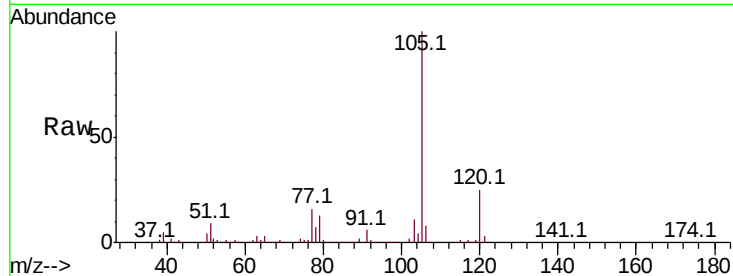
ClientSampleId :

Tot Ion:105 Resp: 87063

Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.4



#74

N-ethyl acetate

Concen: 78.194 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Tgt Ion: 43 Resp: 18200

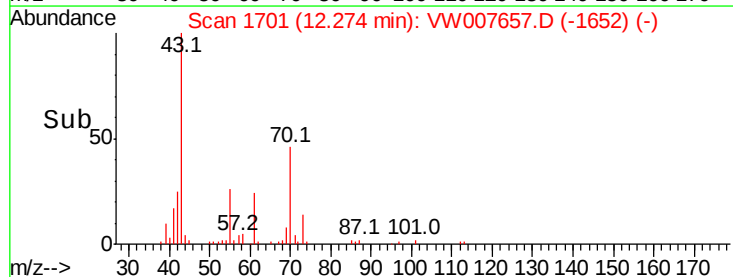
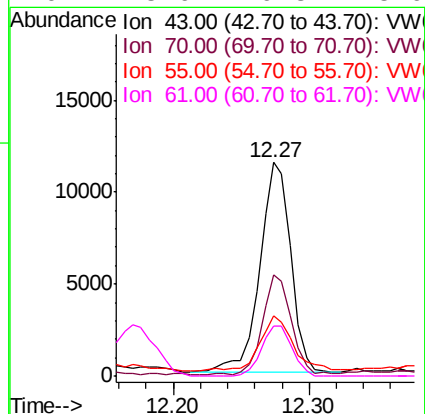
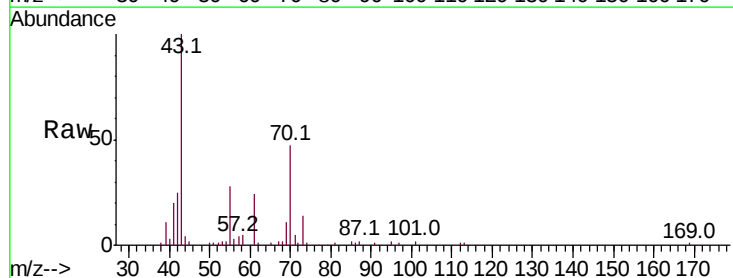
Ion Ratio Lower Upper

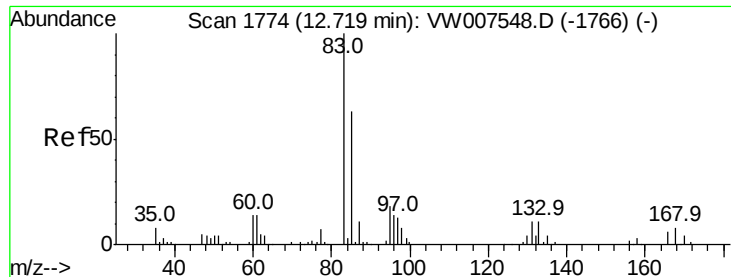
43 100

70 44.3 36.5 54.7

55 26.3 20.1 30.1

61 23.6 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 43.815 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

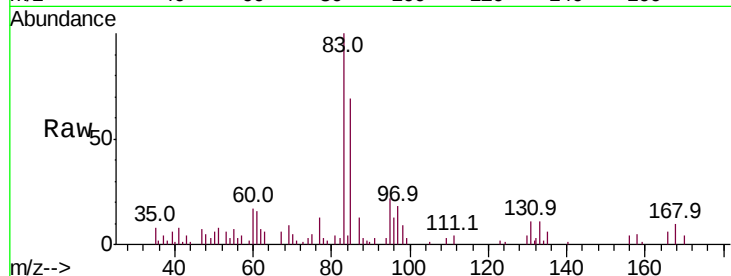
Tot Ion: 83 Resp: 8311

Ion Ratio Lower Upper

83 100

131 14.5 5.9 17.8

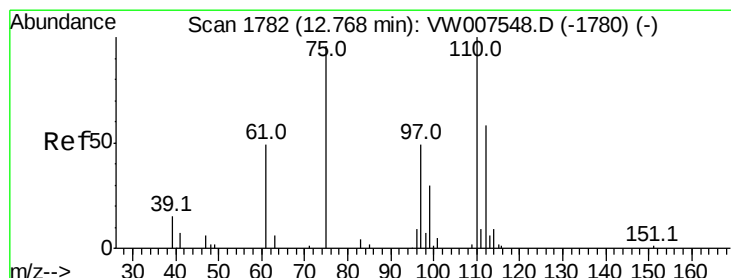
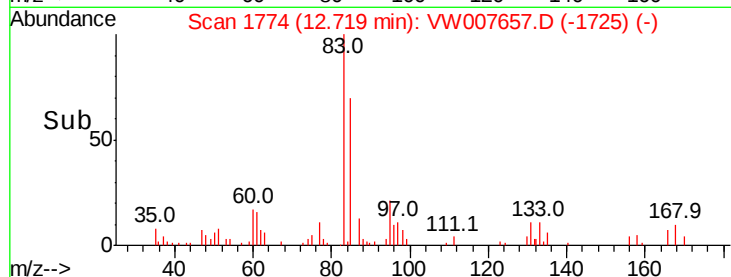
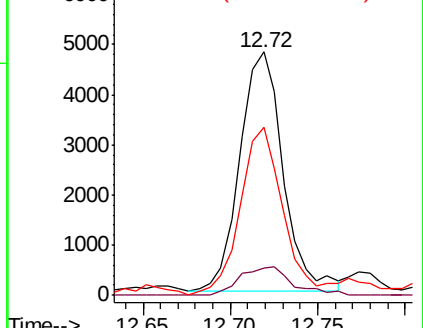
85 68.8 30.0 90.0



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: 223.551 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW007657.D

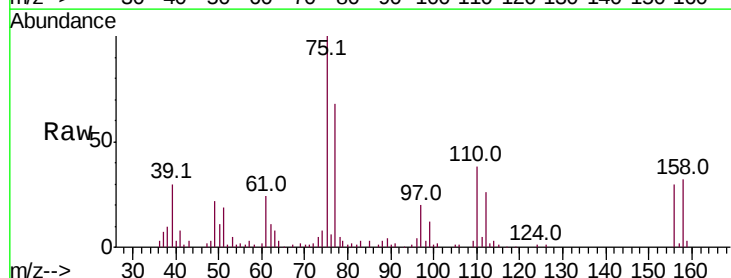
Acq: 18 Dec 2018 14:43

Tgt Ion: 75 Resp: 30808

Ion Ratio Lower Upper

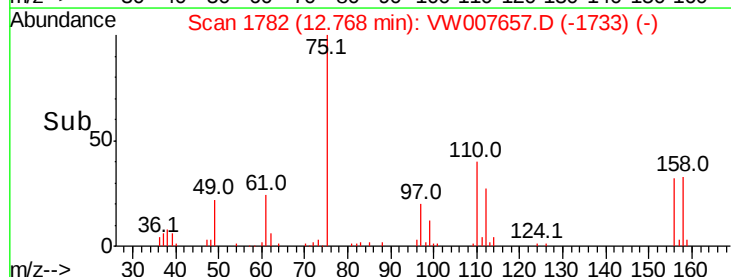
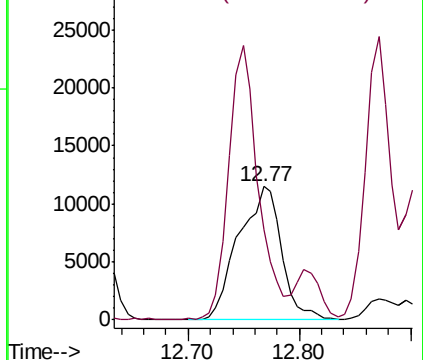
75 100

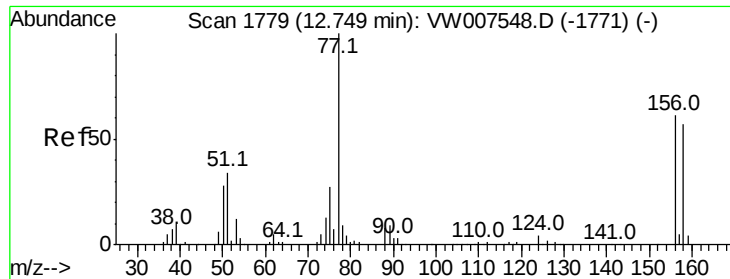
77 142.0 166.9 500.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 80.552 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampled :

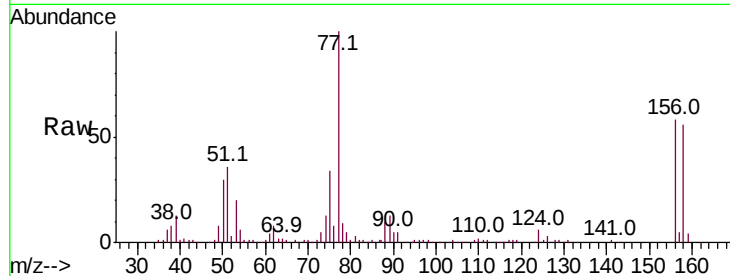
Tot Ion:156 Resp: 22867

Ion Ratio Lower Upper

156 100

77 191.3 88.1 264.4

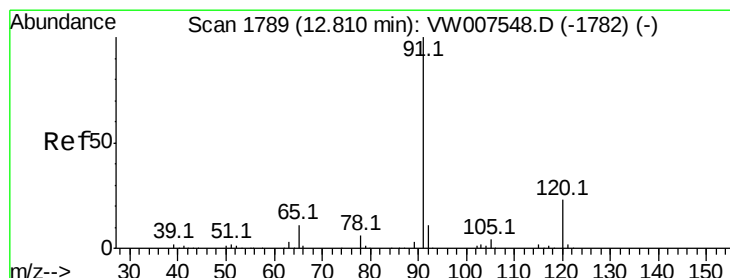
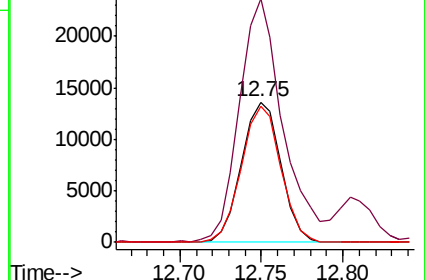
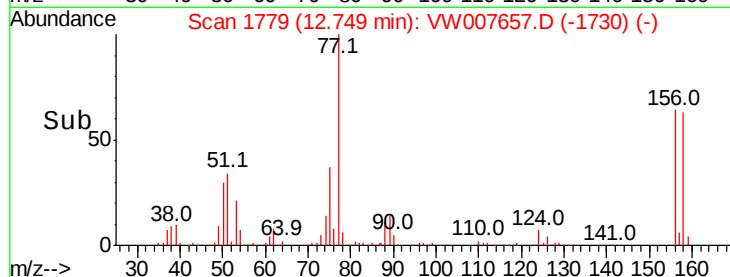
158 97.3 45.6 136.7



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: 106.385 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007657.D

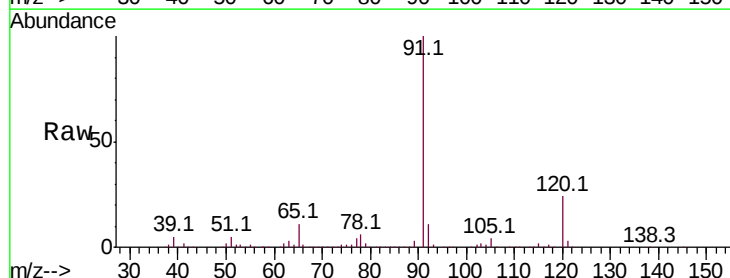
Acq: 18 Dec 2018 14:43

Tgt Ion: 91 Resp: 153332

Ion Ratio Lower Upper

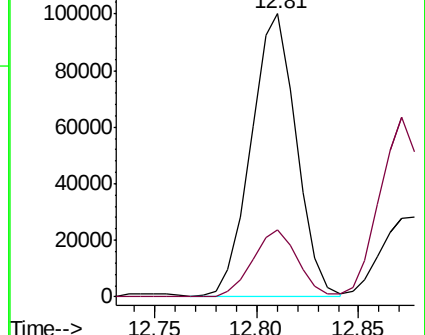
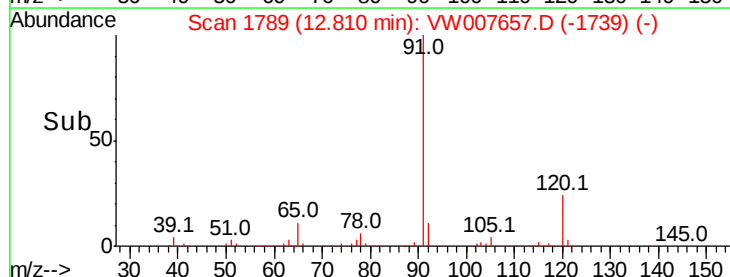
91 100

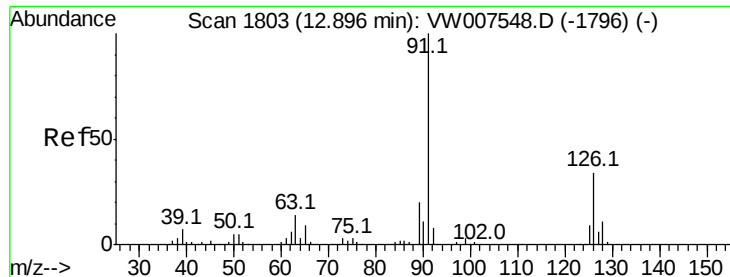
120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

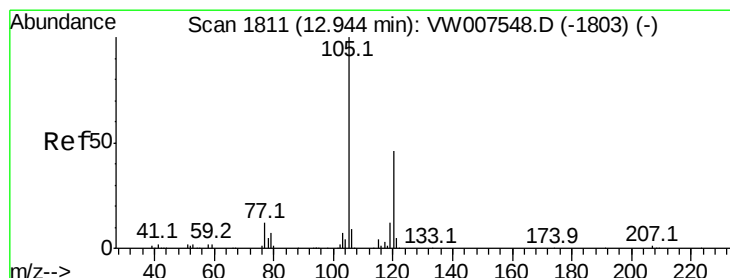
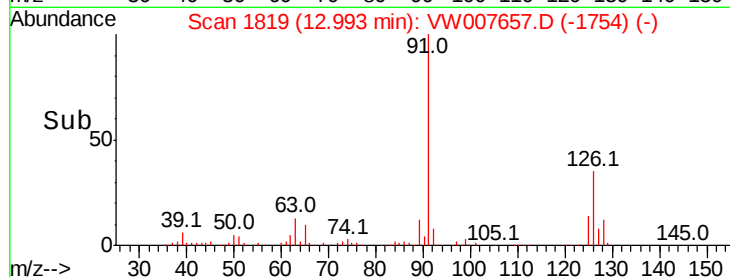
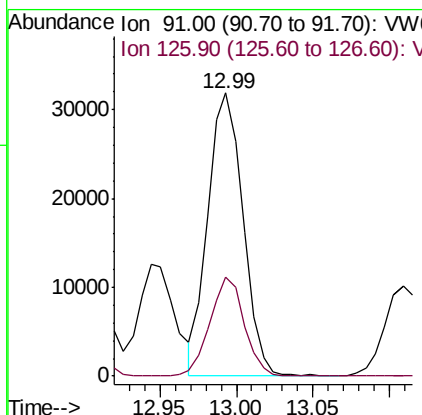
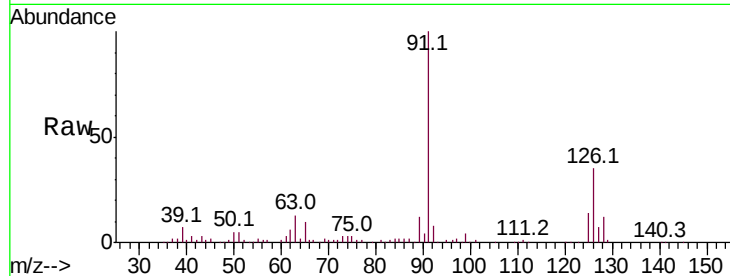




#79
2-Chlorotoluene
Concen: 58.026 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.10 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

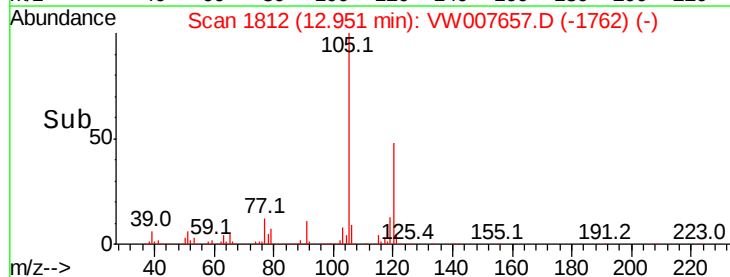
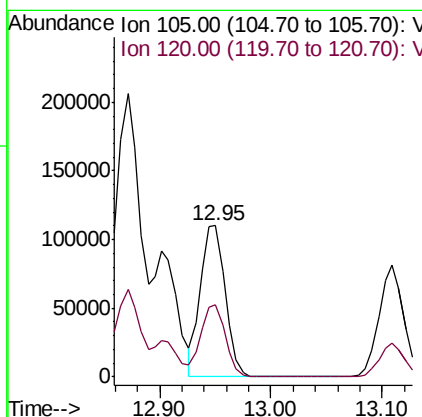
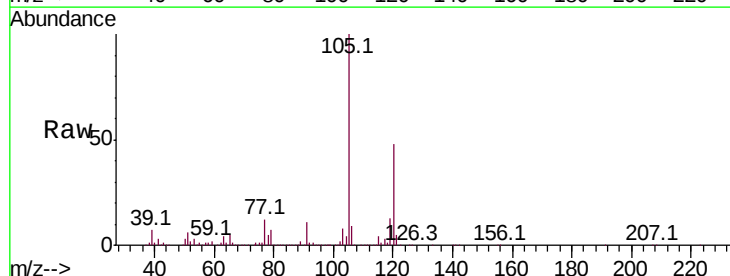
Instrument :
MSVOA_W
ClientSampleId :

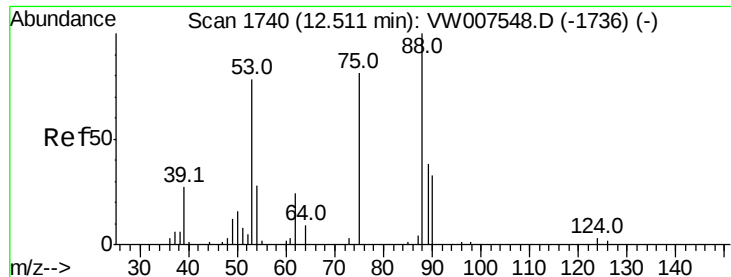
Tot Ion: 91 Resp: 50604
Ion Ratio Lower Upper
91 100
126 34.3 15.9 47.6



#80
1,3,5-Trimethylbenzene
Concen: 158.985 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. 0.01 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion:105 Resp: 171083
Ion Ratio Lower Upper
105 100
120 47.3 23.8 71.4





#81

trans-1,4-Dichloro-2-butene

Concen: 123.825 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

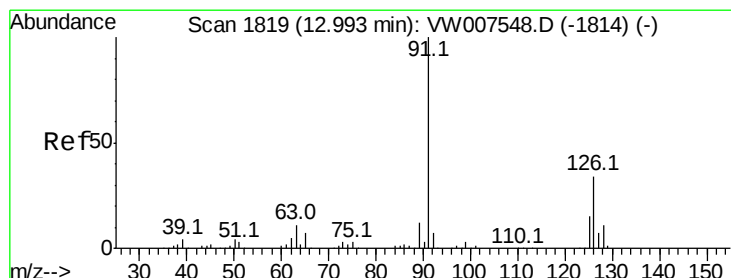
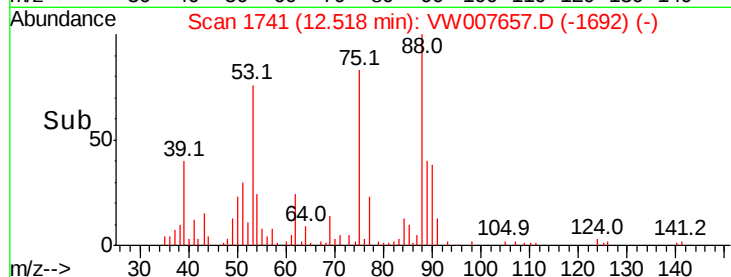
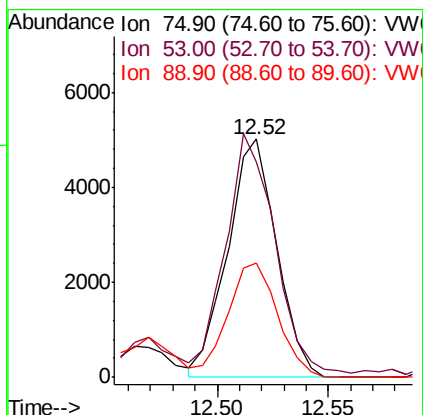
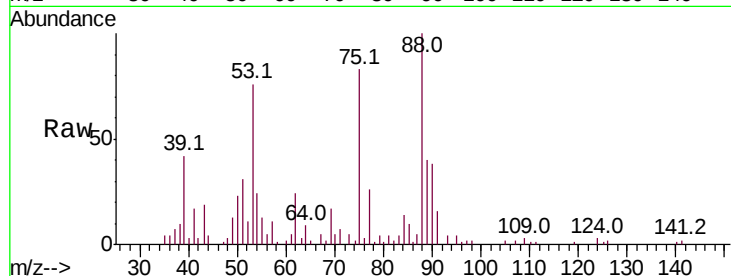
Tot Ion: 75 Resp: 7725

Ion Ratio Lower Upper

75 100

53 99.4 84.9 127.3

89 48.9 40.3 60.5



#82

4-Chlorotoluene

Concen: 55.047 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007657.D

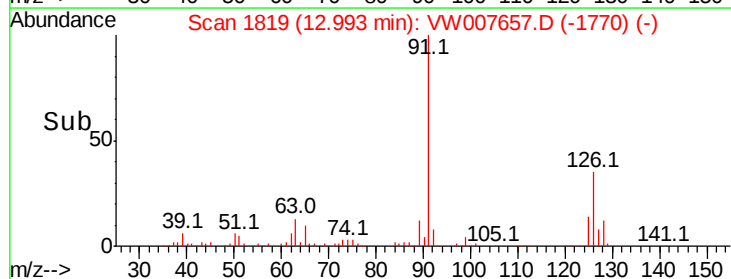
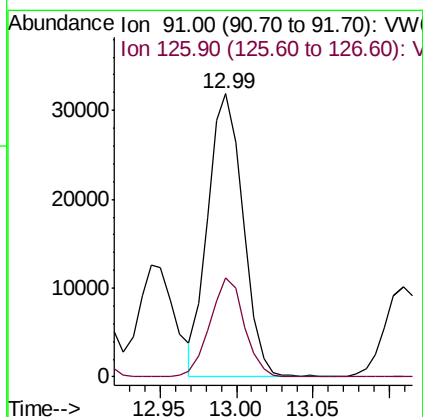
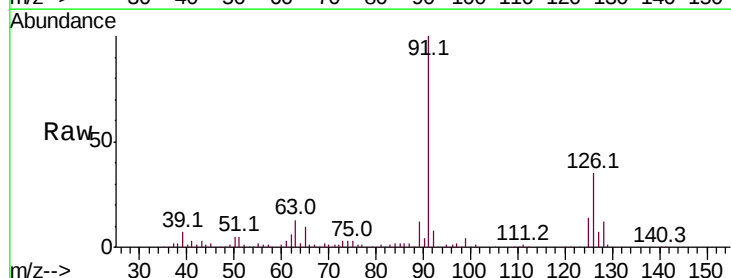
Acq: 18 Dec 2018 14:43

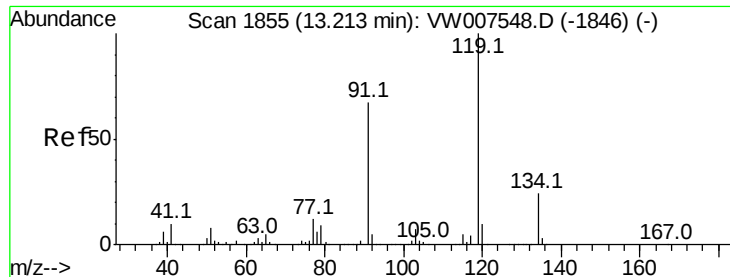
Tgt Ion: 91 Resp: 50604

Ion Ratio Lower Upper

91 100

126 34.3 16.0 48.0





#83

tert-Butylbenzene

Concen: 33.301 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

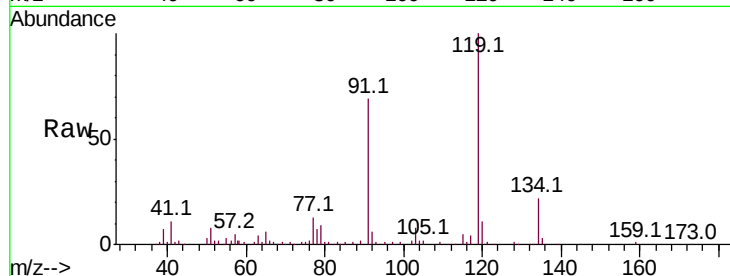
Tot Ion:119 Resp: 31576

Ion Ratio Lower Upper

119 100

91 70.2 33.1 99.2

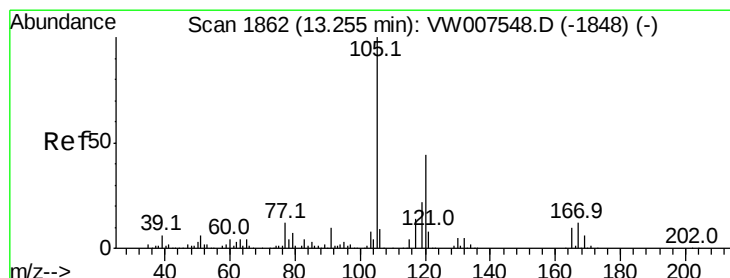
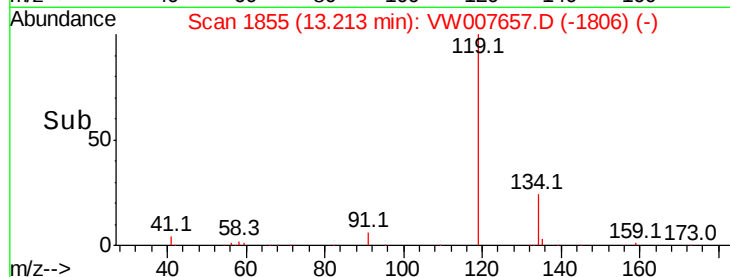
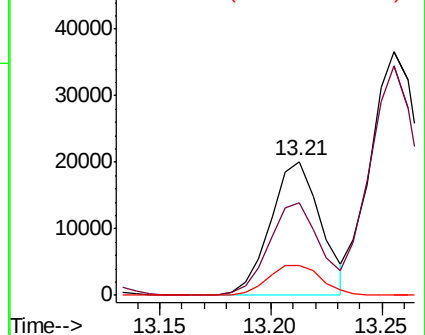
134 23.7 12.5 37.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 430.226 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007657.D

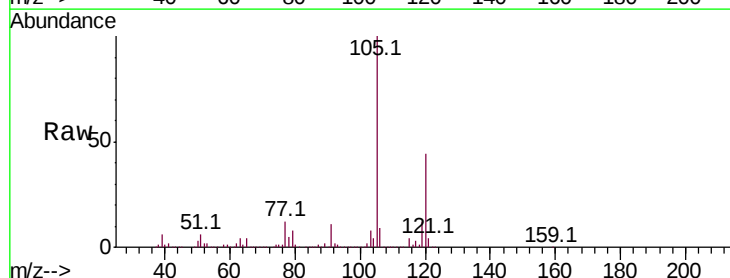
Acq: 18 Dec 2018 14:43

Tgt Ion:105 Resp: 476414

Ion Ratio Lower Upper

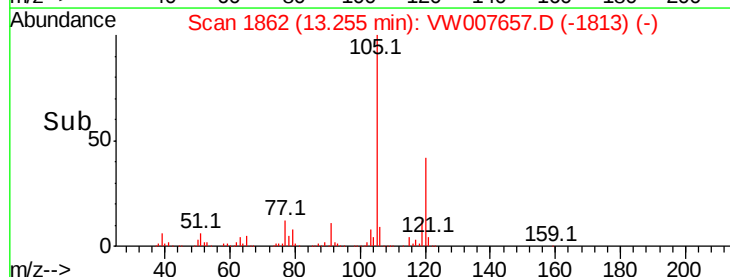
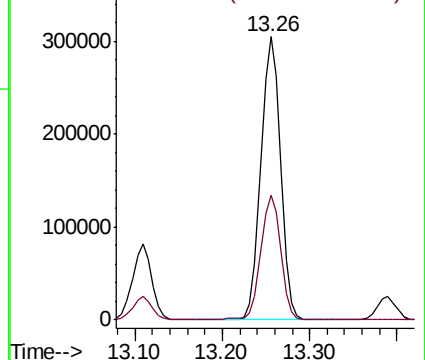
105 100

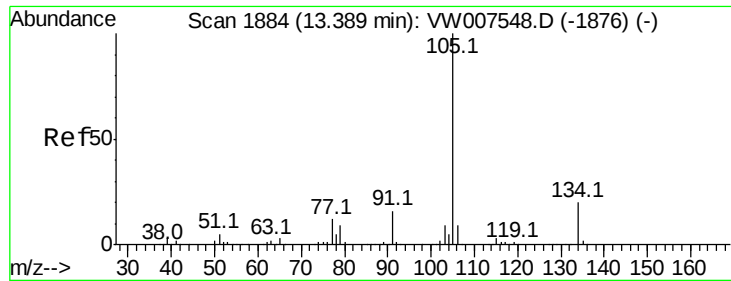
120 44.7 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

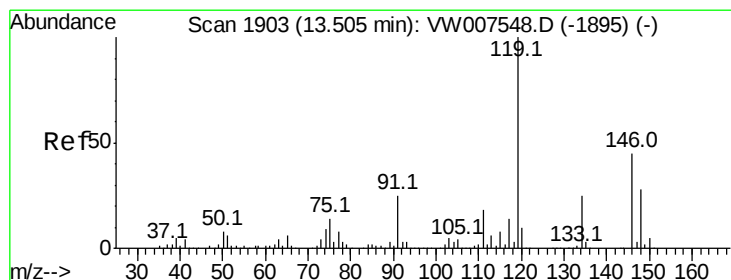
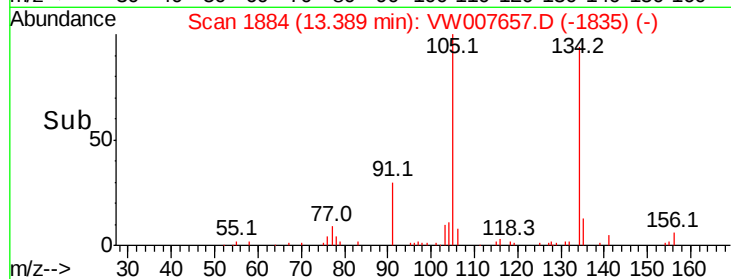
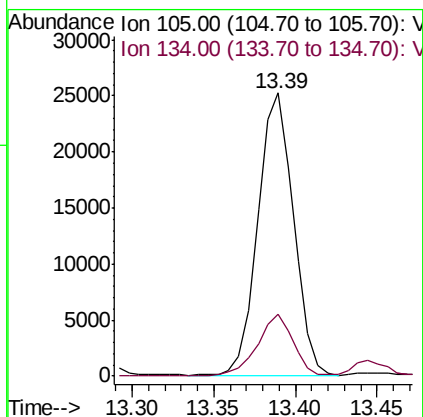
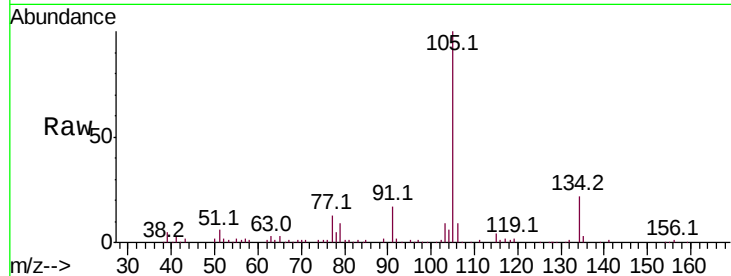




#85
 sec-Butylbenzene
 Concen: 29.540 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

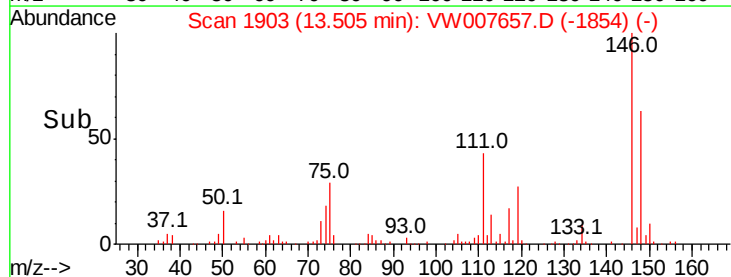
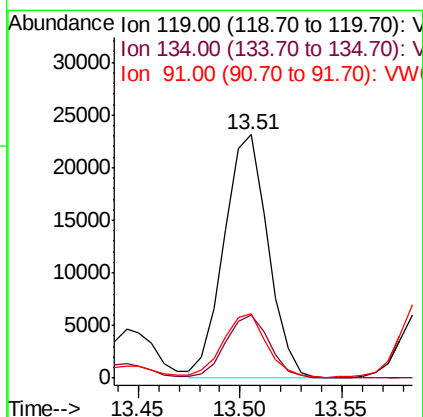
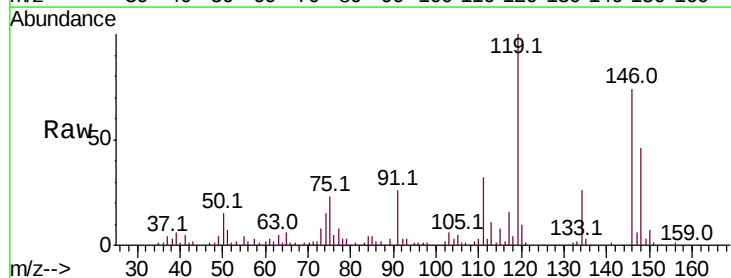
Instrument :
 MSVOA_W
 ClientSampleId :

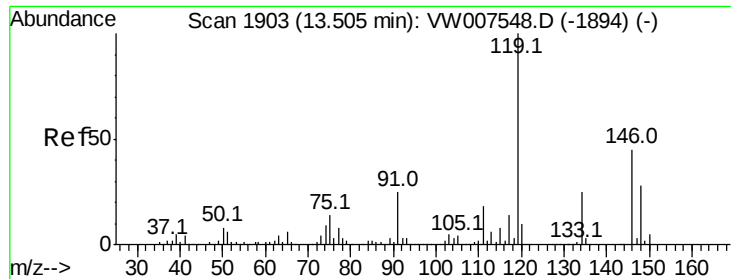
Tot Ion:105 Resp: 38236
 Ion Ratio Lower Upper
 105 100
 134 22.1 11.1 33.3



#86
 p-Isopropyltoluene
 Concen: 29.761 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

Tgt Ion:119 Resp: 34607
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.9 38.7
 91 25.7 11.9 35.9

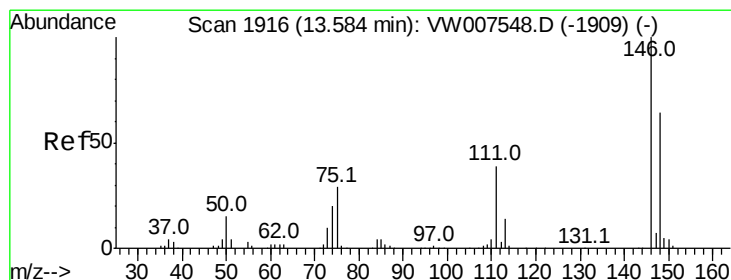
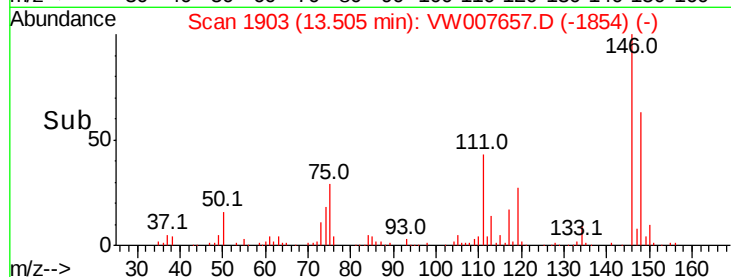
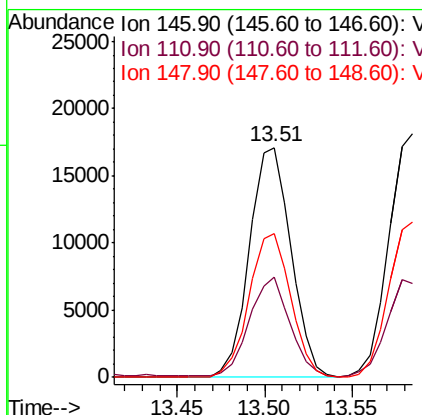
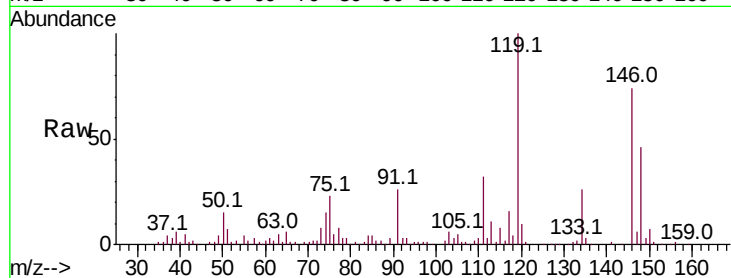




#87
 1,3-Dichlorobenzene
 Concen: 49.949 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

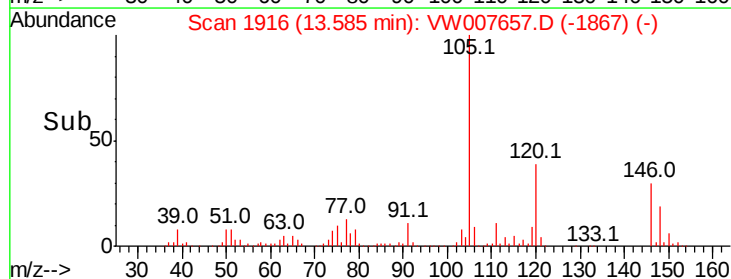
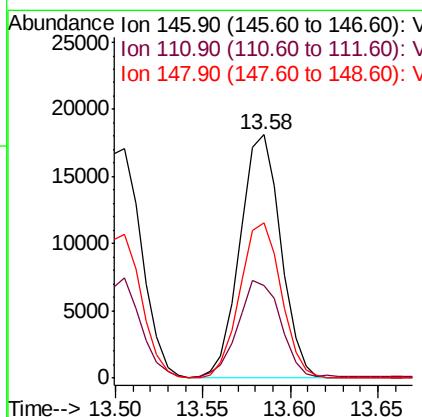
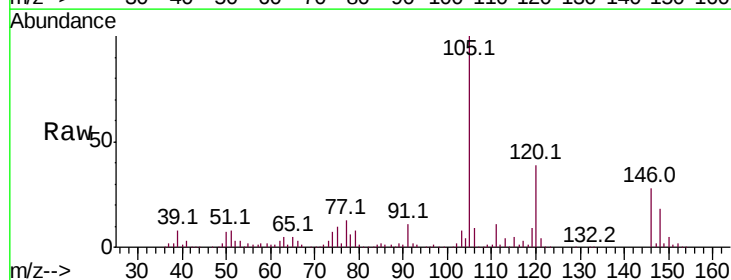
Instrument :
 MSVOA_W
 ClientSampleId :

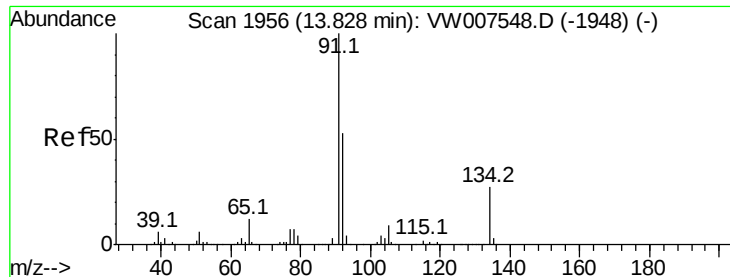
Tot Ion:146 Resp: 28271
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.1 60.3
 148 62.7 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 51.767 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

Tgt Ion:146 Resp: 29456
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.3 61.0
 148 64.7 33.5 100.5





#89

n-Butylbenzene

Concen: 33.419 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

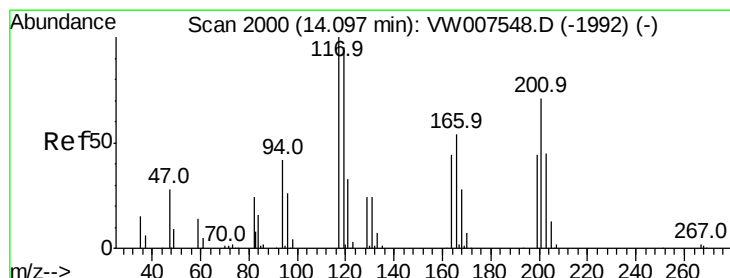
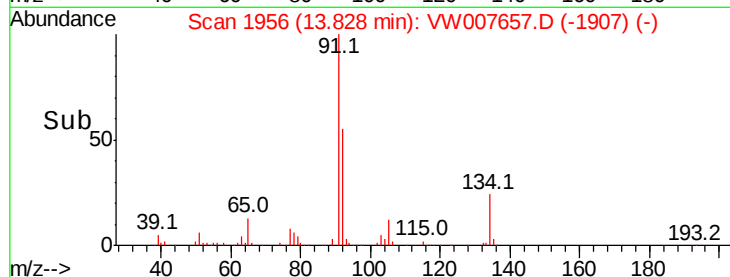
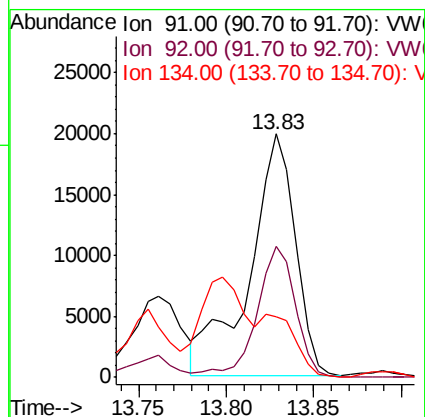
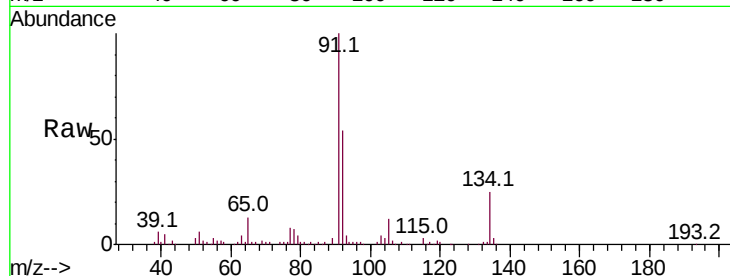
Tot Ion: 91 Resp: 36026

Ion Ratio Lower Upper

91 100

92 46.0 25.7 77.1

134 0.0 13.4 40.2#



#90

Hexachloroethane

Concen: 39.825 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007657.D

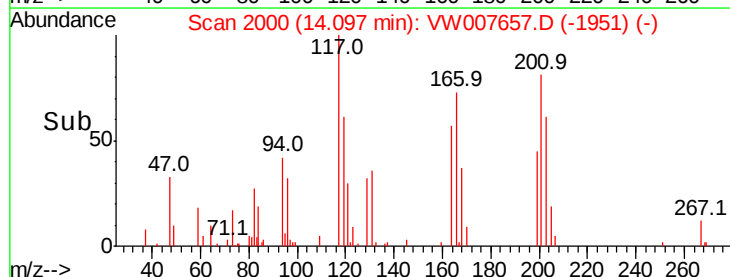
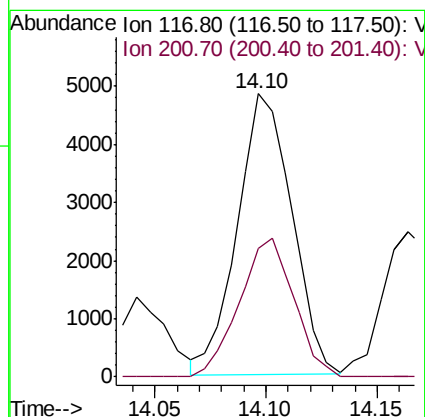
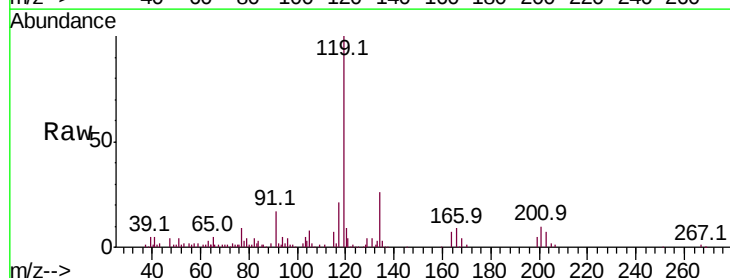
Acq: 18 Dec 2018 14:43

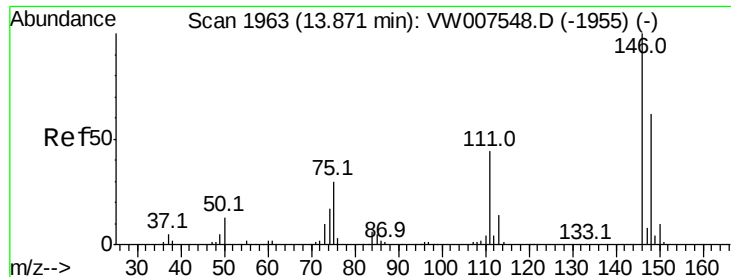
Tgt Ion: 117 Resp: 8240

Ion Ratio Lower Upper

117 100

201 49.3 35.3 105.9





#91

1,2-Dichlorobenzene

Concen: 55.468 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampled :

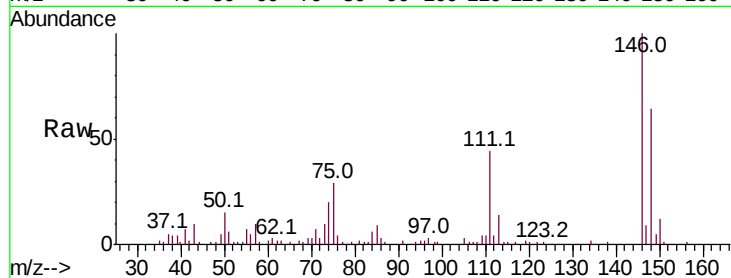
Tot Ion:146 Resp: 28119

Ion Ratio Lower Upper

146 100

111 43.9 22.4 67.2

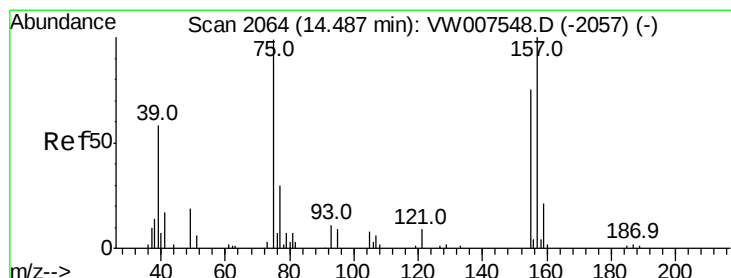
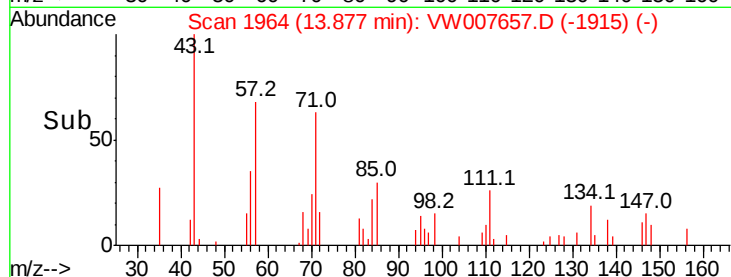
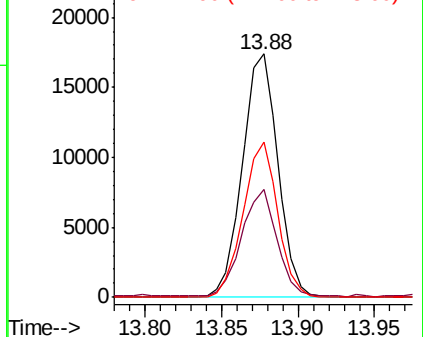
148 61.8 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 109.153 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

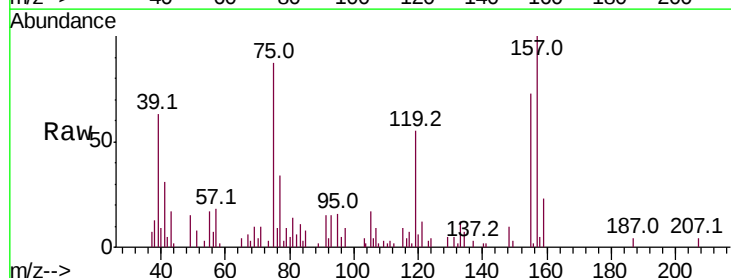
Tgt Ion: 75 Resp: 4155

Ion Ratio Lower Upper

75 100

155 80.1 40.8 122.2

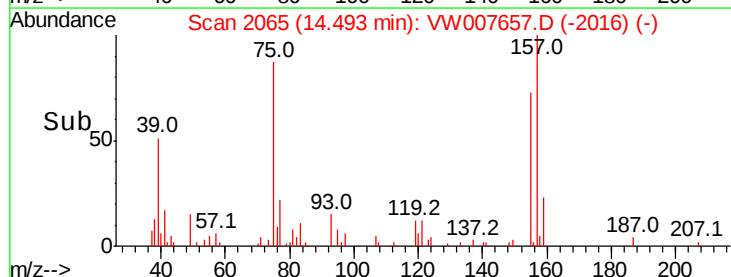
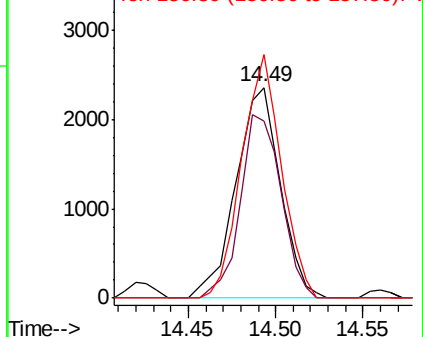
157 103.4 51.1 153.4

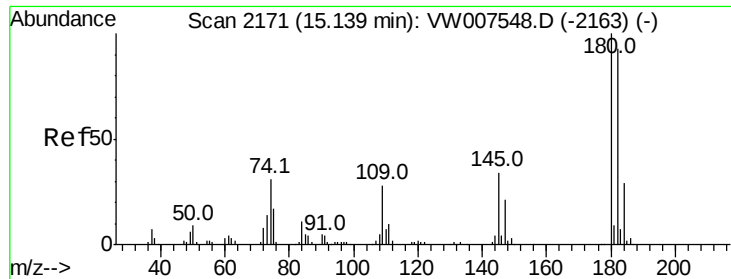


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

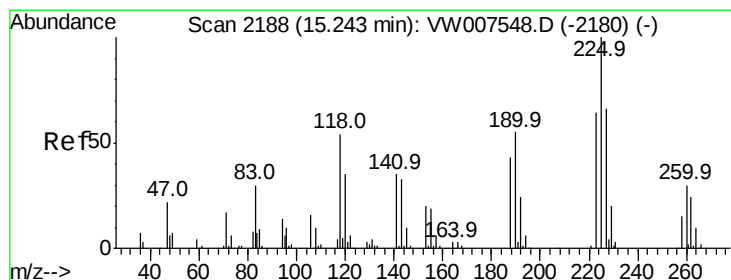
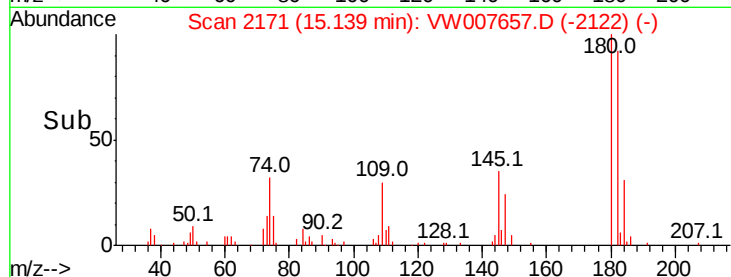
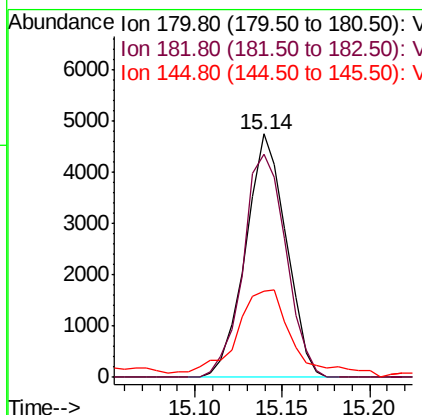
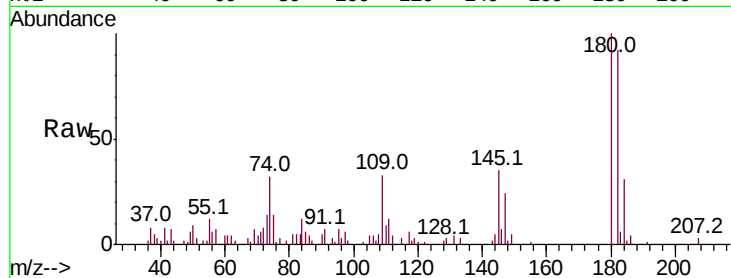




#93
 1,2,4-Trichlorobenzene
 Concen: 21.979 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

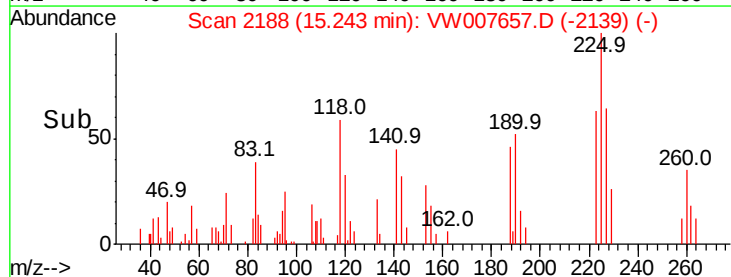
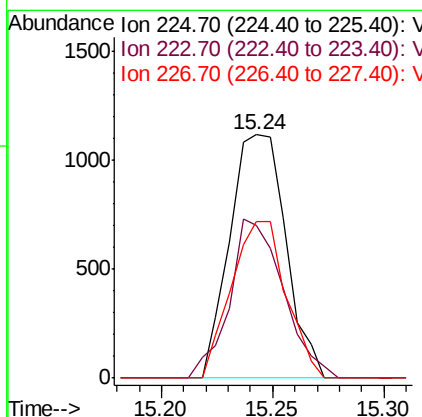
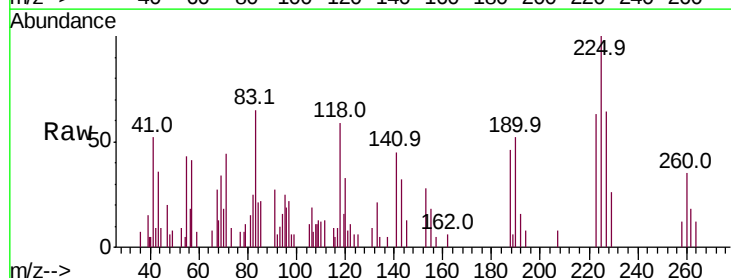
Instrument :
 MSVOA_W
 ClientSampleId :

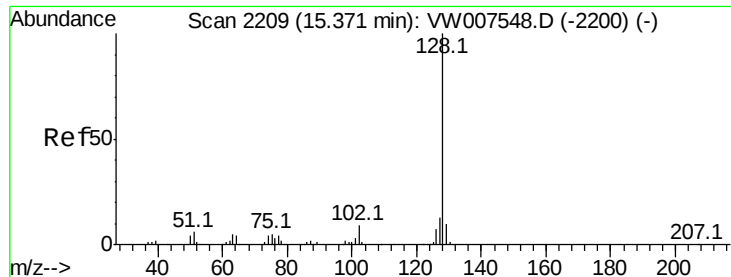
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	49.9	149.6
145	51.2	17.8	53.4



#94
 Hexachlorobutadiene
 Concen: 10.594 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.1	96.3
227	62.9	31.9	95.9

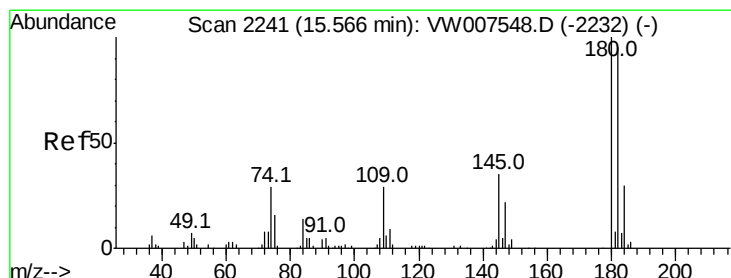
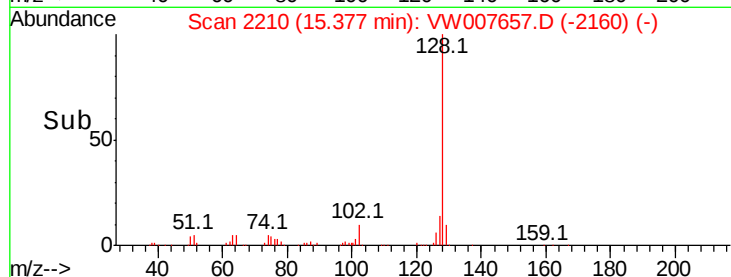
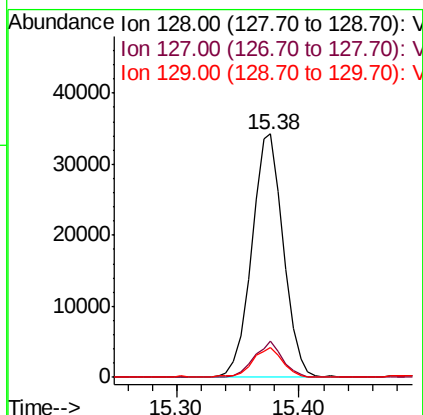
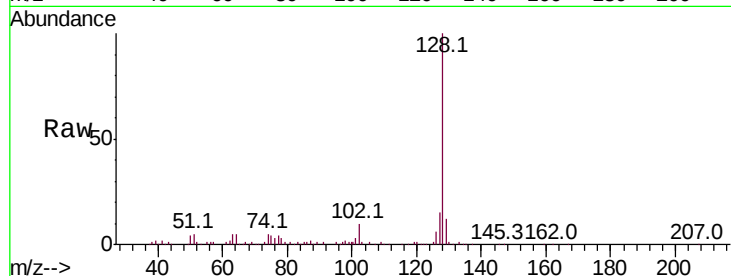




#95
Naphthalene
Concen: 92.093 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 61463
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 11.2 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 24.715 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion:180 Resp: 7490
Ion Ratio Lower Upper
180 100
182 88.1 45.6 136.7
145 50.4 17.5 52.5

