

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110718\
 Data File : VW0066734.D
 Acq On : 07 Nov 2018 14:24
 Operator : SY/AP
 Sample : VW1107WSBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 07 15:50:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	300265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	409712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	368058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	213597	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	121441	47.05	ug/l	0.00
Spiked Amount			Recovery	=	94.10%	
35) Dibromofluoromethane	7.88	113	133668	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
50) Toluene-d8	10.33	98	492761	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.62	95	171540	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	32595	20.940	ug/l	99
3) Chloromethane	2.21	50	42536	22.086	ug/l	99
4) Vinyl Chloride	2.37	62	63682	23.681	ug/l	99
5) Bromomethane	2.78	94	54504	24.151	ug/l	100
6) Chloroethane	2.93	64	43856	23.341	ug/l	95
7) Trichlorofluoromethane	3.26	101	58014	24.430	ug/l	98
8) Diethyl Ether	3.68	74	26083	20.093	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	62869	24.792	ug/l	99
10) Methyl Iodide	4.26	142	99786	21.703	ug/l	100
11) Tert butyl alcohol	5.19	59	14710	105.777	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	57743	23.576	ug/l	95
13) Acrolein	3.89	56	15200	86.904	ug/l	99
14) Allyl chloride	4.67	41	71718	22.433	ug/l	99
15) Acrylonitrile	5.37	53	49618	106.603	ug/l	99
16) Acetone	4.13	43	61096	146.615	ug/l	98
17) Carbon Disulfide	4.37	76	163760	23.496	ug/l	100
18) Methyl Acetate	4.67	43	23959	19.995	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	76303	20.930	ug/l	98
20) Methylene Chloride	4.91	84	61440	19.054	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	62719	22.631	ug/l	97
22) Diisopropyl ether	6.31	45	144505	21.681	ug/l	99
23) Vinyl Acetate	6.26	43	393145	106.370	ug/l	99
24) 1,1-Dichloroethane	6.22	63	99849	22.105	ug/l	99
25) 2-Butanone	7.18	43	72165	121.361	ug/l	94
26) 2,2-Dichloropropane	7.17	77	71377	26.232	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	68729	22.167	ug/l	98
28) Bromochloromethane	7.51	49	37459	20.884	ug/l	98
29) Tetrahydrofuran	7.53	42	38786	103.703	ug/l	99
30) Chloroform	7.68	83	111126	22.439	ug/l	97
31) Cyclohexane	7.96	56	95651	23.266	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	98847	23.588	ug/l	99
36) 1,1-Dichloropropene	8.09	75	89443	24.824	ug/l	99
37) Ethyl Acetate	7.26	43	28206	22.590	ug/l	99
38) Carbon Tetrachloride	8.07	117	94584	25.123	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	112681	24.644	ug/l	99
40) Benzene	8.32	78	250351	24.463	ug/l	98
41) Methacrylonitrile	7.49	41	16559	21.628	ug/l	99
42) 1,2-Dichloroethane	8.40	62	67578	23.025	ug/l	100
43) Isopropyl Acetate	8.43	43	53990	21.669	ug/l	99
44) Trichloroethene	9.09	130	76093	24.095	ug/l	100
45) 1,2-Dichloropropane	9.37	63	57547	24.163	ug/l	98
46) Dibromomethane	9.46	93	31856	22.754	ug/l	97
47) Bromodichloromethane	9.65	83	74835	23.021	ug/l	92
48) Methyl methacrylate	9.44	41	25139	20.942	ug/l	97
49) 1,4-Dioxane	9.46	88	8328	406.464	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	140499	109.797	ug/l	98
52) Toluene	10.39	92	160753	23.420	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	72810	23.273	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	86079	23.284	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	43860	22.080	ug/l	95
56) Ethyl methacrylate	10.65	69	46866	20.758	ug/l	97
57) 1,3-Dichloropropane	10.93	76	71747	22.243	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	111413	101.514	ug/l	98
59) 2-Hexanone	10.97	43	103592	119.193	ug/l	100
60) Dibromochloromethane	11.13	129	52921	22.486	ug/l	97
61) 1,2-Dibromoethane	11.24	107	42827	21.711	ug/l	99
64) Tetrachloroethene	10.87	164	67569	23.030	ug/l	96
65) Chlorobenzene	11.66	112	184524	23.825	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	63390	23.286	ug/l	98
67) Ethyl Benzene	11.74	91	315072	24.338	ug/l	98
68) m/p-Xylenes	11.84	106	247911	47.933	ug/l	99
69) o-Xylene	12.17	106	115884	23.535	ug/l	99
70) Styrene	12.18	104	190116	23.683	ug/l	100
71) Bromoform	12.35	173	32289	22.376	ug/l #	99
73) Isopropylbenzene	12.47	105	325616	23.141	ug/l	100
74) N-amyl acetate	12.28	43	49340	20.292	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	47960	21.581	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	62012	37.210	ug/l #	100
77) Bromobenzene	12.75	156	81066	22.252	ug/l	99
78) n-propylbenzene	12.81	91	380010	23.480	ug/l	99
79) 2-Chlorotoluene	12.90	91	216242	23.281	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	278251	23.538	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	12944	21.705	ug/l	97
82) 4-Chlorotoluene	12.99	91	223341	22.728	ug/l	99
83) tert-Butylbenzene	13.21	119	247110	23.441	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	284020	23.424	ug/l	99
85) sec-Butylbenzene	13.39	105	360217	24.398	ug/l	99
86) p-Isopropyltoluene	13.51	119	327825	24.402	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	169051	23.562	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	163740	23.024	ug/l	99
89) n-Butylbenzene	13.83	91	295019	24.738	ug/l	99
90) Hexachloroethane	14.10	117	53049	24.026	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	149028	23.092	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7334	20.338	ug/l	98

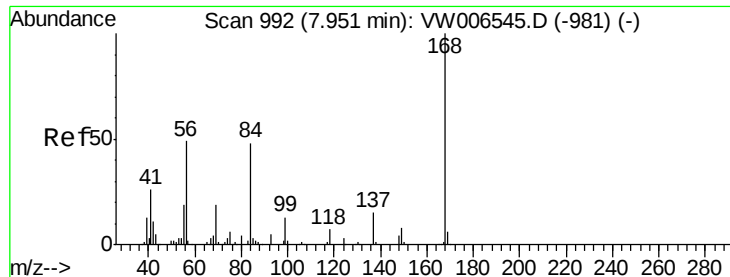
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	105521	21.989	ug/l	100
94) Hexachlorobutadiene	15.24	225	69424	23.212	ug/l	99
95) Naphthalene	15.38	128	155395	20.148	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	92574	21.950	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :

MSVOA_W

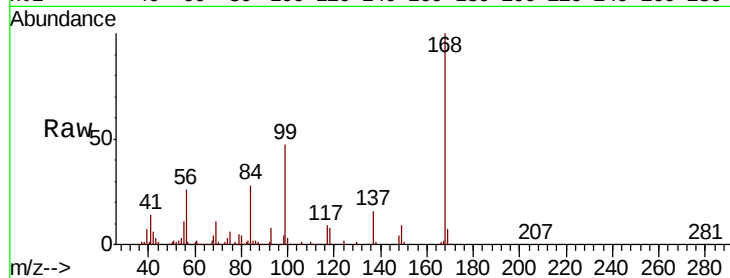
ClientSampleId :

Tot Ion:168 Resp: 300265

Ion Ratio Lower Upper

168 100

99 46.7 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

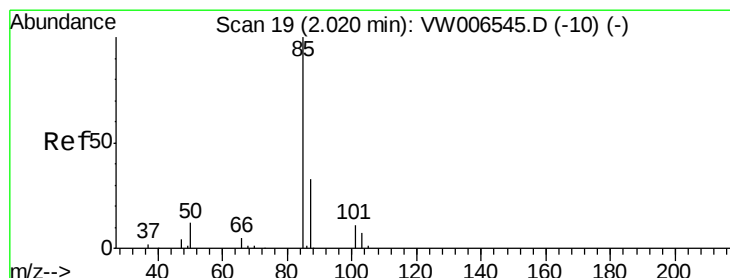
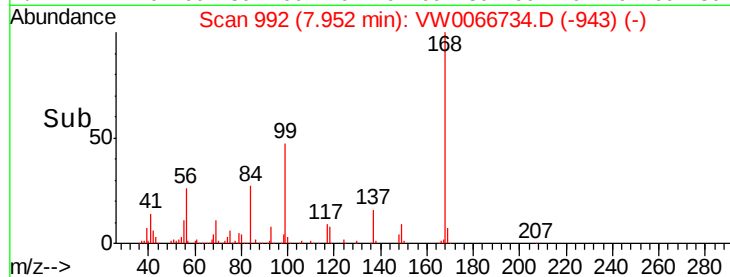
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.940 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW0066734.D

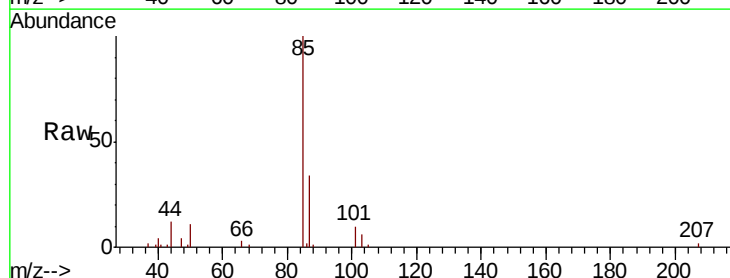
Acq: 07 Nov 2018 14:24

Tgt Ion: 85 Resp: 32595

Ion Ratio Lower Upper

85 100

87 33.8 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

12000

10000

8000

6000

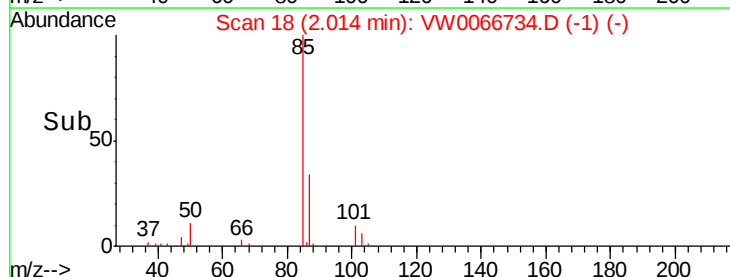
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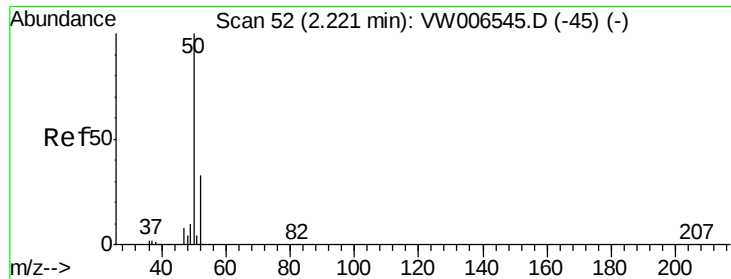
2000

0

1.90 1.95 2.00 2.05 2.10

Time-->

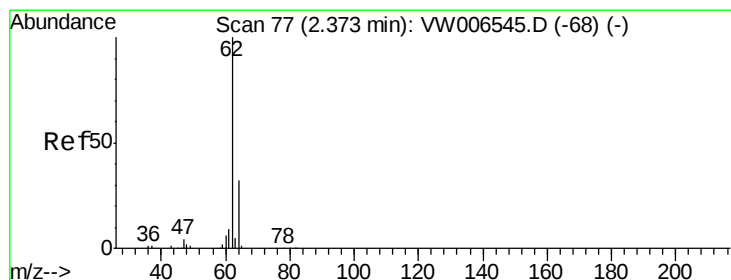
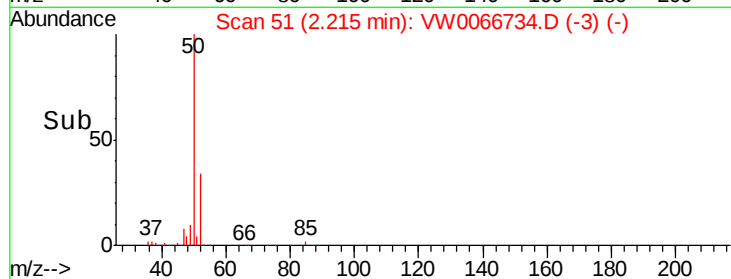
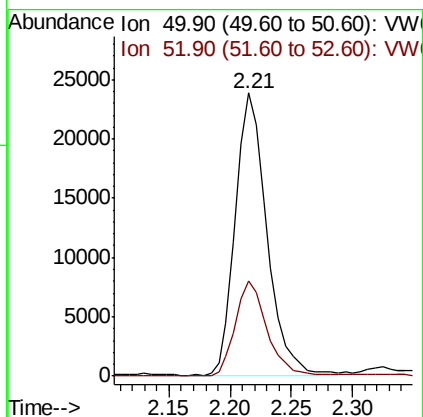
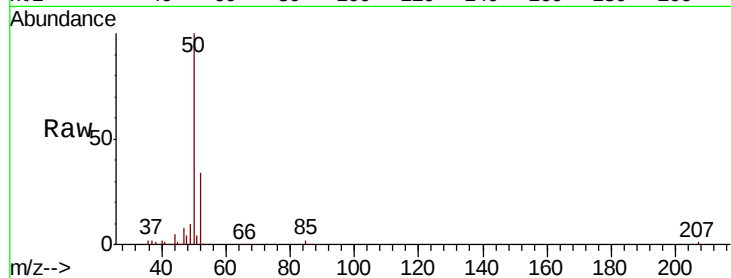




#3
Chloromethane
Concen: 22.086 ug/l
RT: 2.21 min Scan# 51
Delta R.T. -0.01 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

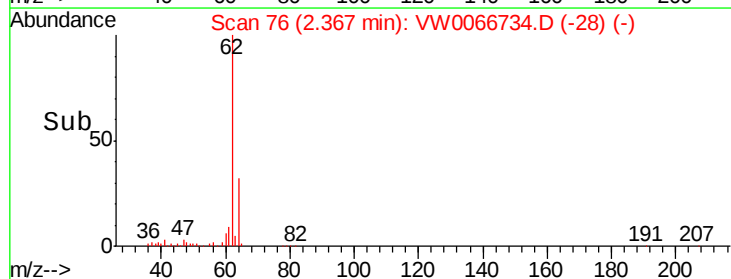
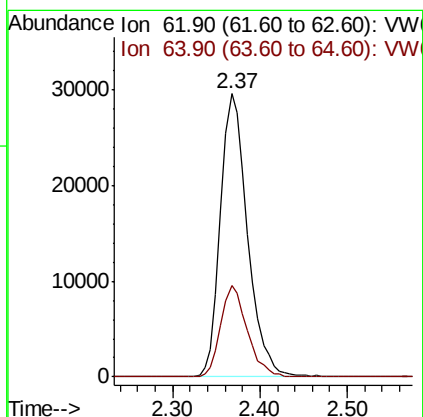
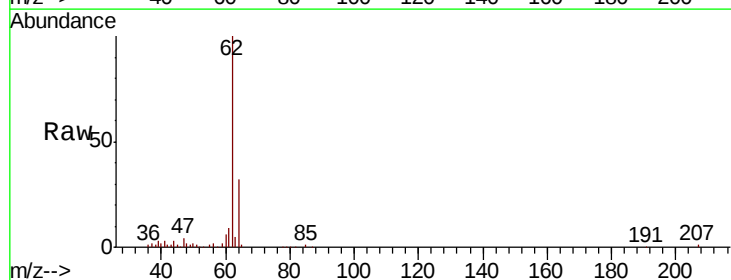
Instrument :
MSVOA_W
ClientSampleId :

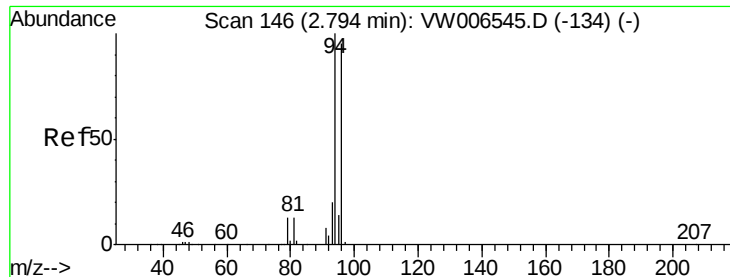
Tot Ion: 50 Resp: 42536
Ion Ratio Lower Upper
50 100
52 33.6 26.2 39.4



#4
Vinyl Chloride
Concen: 23.681 ug/l
RT: 2.37 min Scan# 76
Delta R.T. -0.01 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

Tgt Ion: 62 Resp: 63682
Ion Ratio Lower Upper
62 100
64 32.2 25.4 38.0





#5

Bromomethane

Concen: 24.151 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :

MSVOA_W

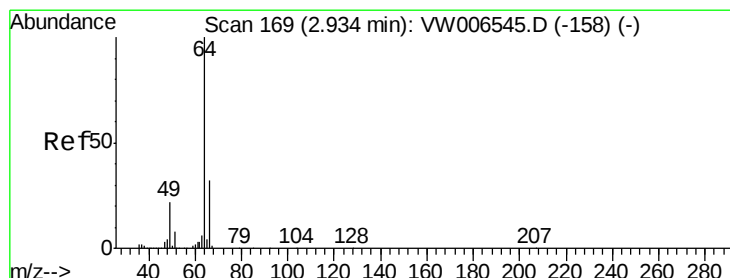
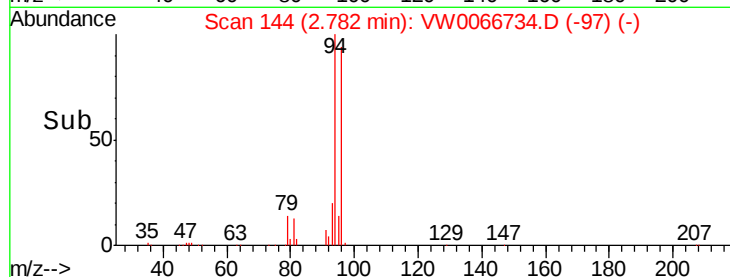
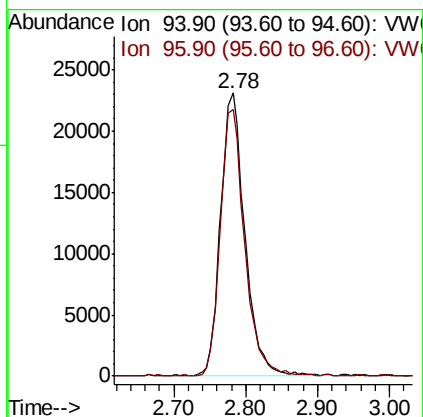
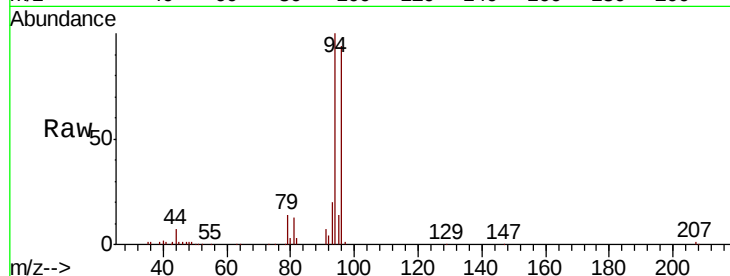
ClientSampled :

Tot Ion: 94 Resp: 54504

Ion Ratio Lower Upper

94 100

96 94.4 75.7 113.5



#6

Chloroethane

Concen: 23.341 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW0066734.D

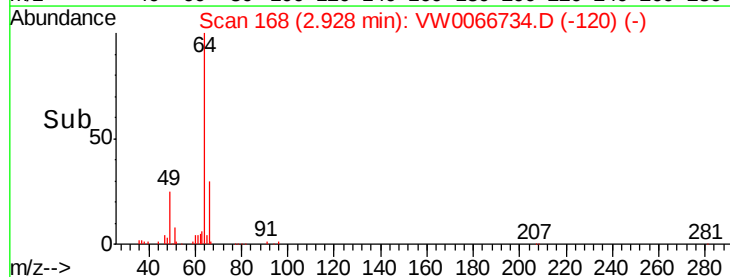
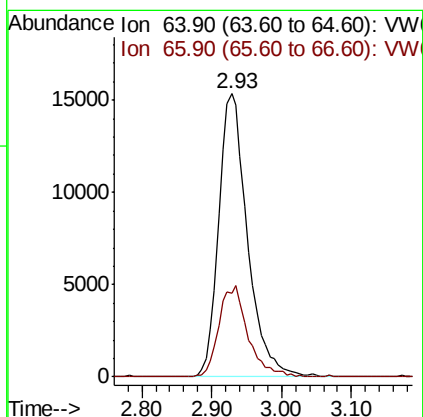
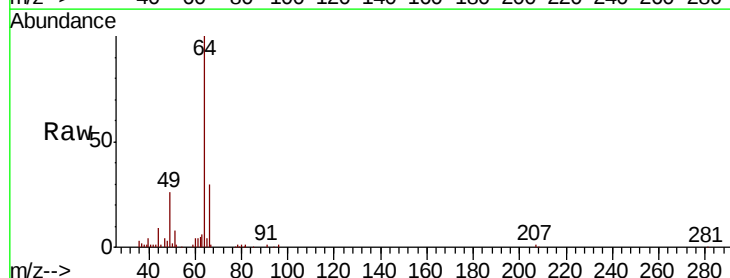
Acq: 07 Nov 2018 14:24

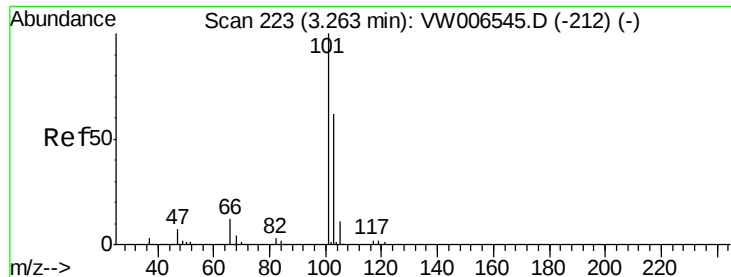
Tgt Ion: 64 Resp: 43856

Ion Ratio Lower Upper

64 100

66 29.6 25.9 38.9



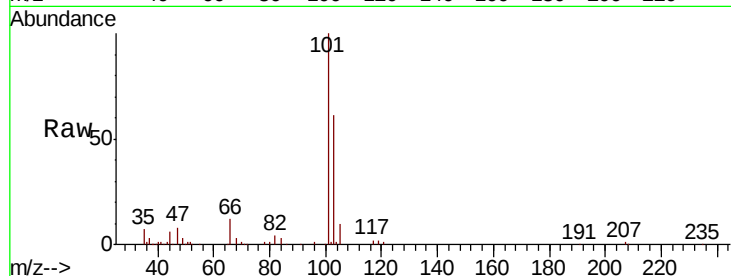


#7

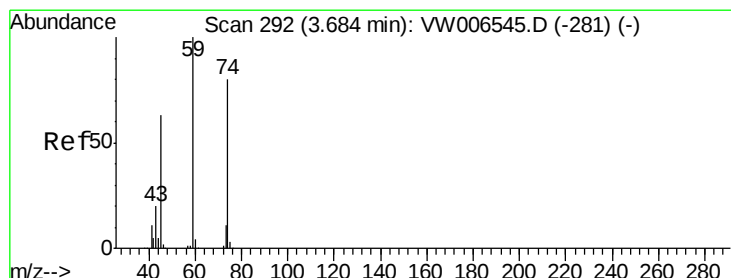
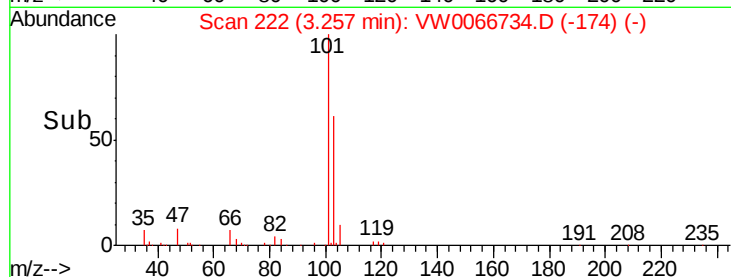
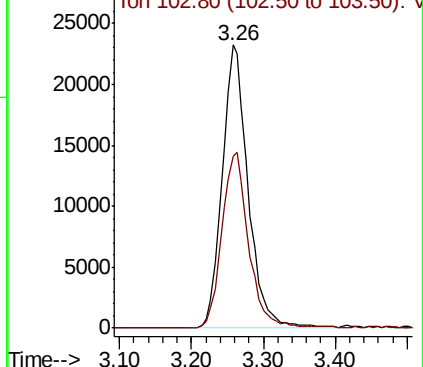
Trichlorofluoromethane
Concen: 24.430 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:101 Resp: 58014
Ion Ratio Lower Upper
101 100
103 60.8 49.8 74.8



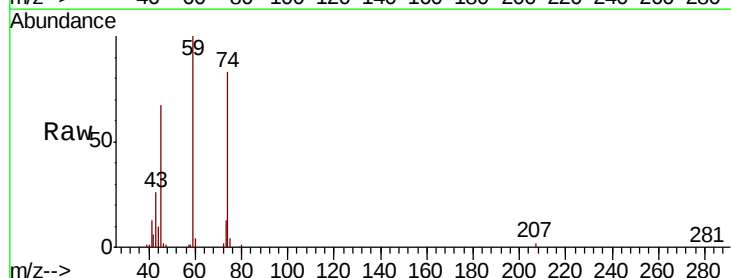
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



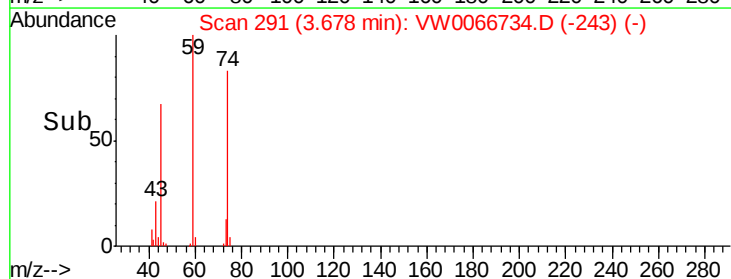
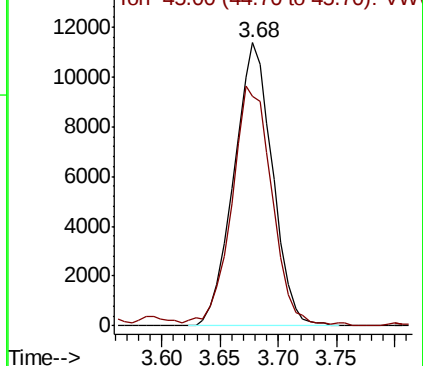
#8

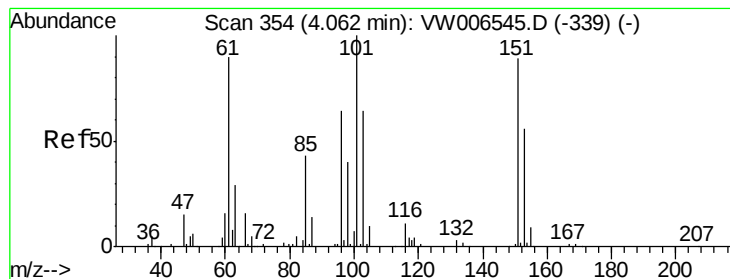
Diethyl Ether
Concen: 20.093 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

Tgt Ion: 74 Resp: 26083
Ion Ratio Lower Upper
74 100
45 89.0 41.1 123.4



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.792 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :

MSVOA_W

ClientSampleId :

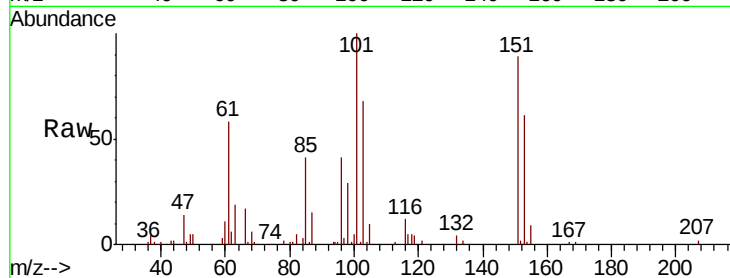
Tot Ion:101 Resp: 62869

Ion Ratio Lower Upper

101 100

85 41.6 34.2 51.2

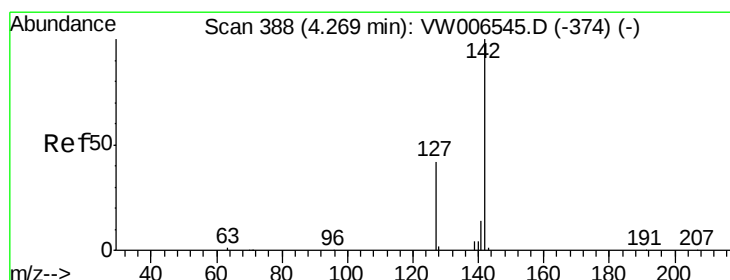
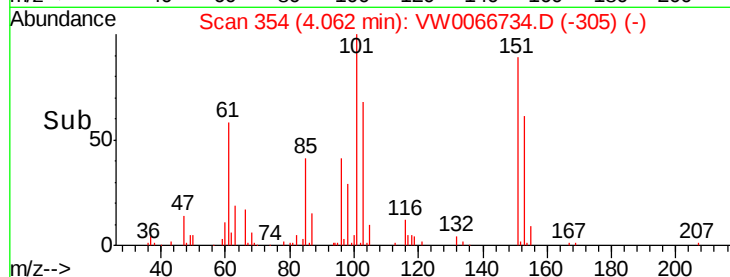
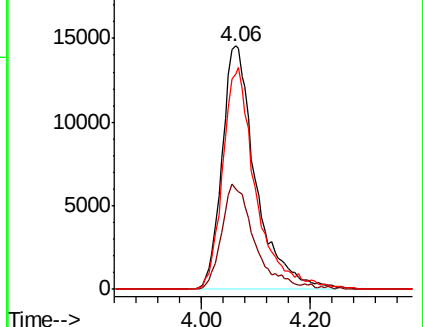
151 89.4 70.7 106.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.703 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

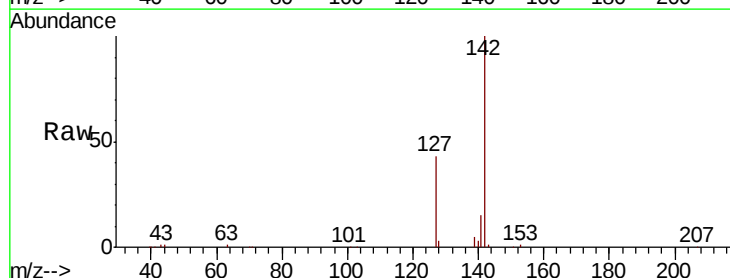
Tgt Ion:142 Resp: 99786

Ion Ratio Lower Upper

142 100

127 40.6 32.3 48.5

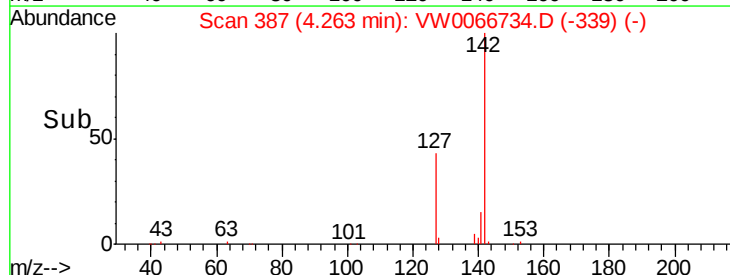
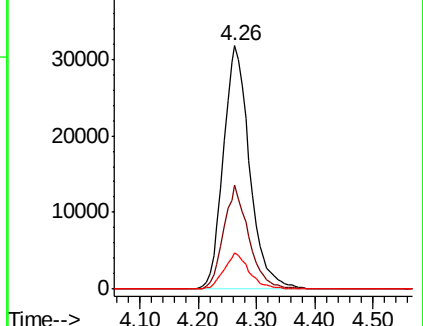
141 14.2 11.3 16.9

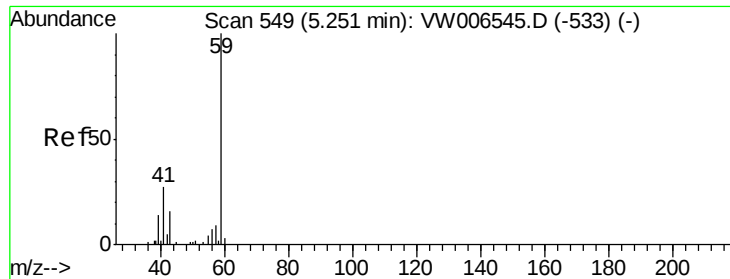


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



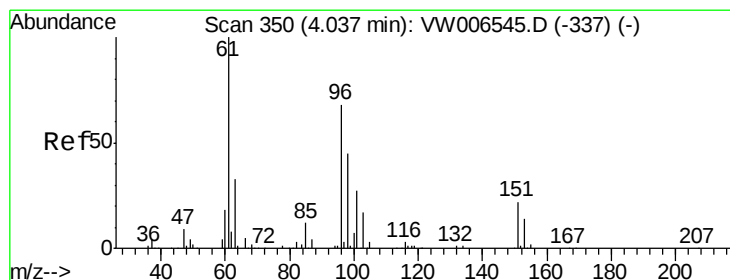
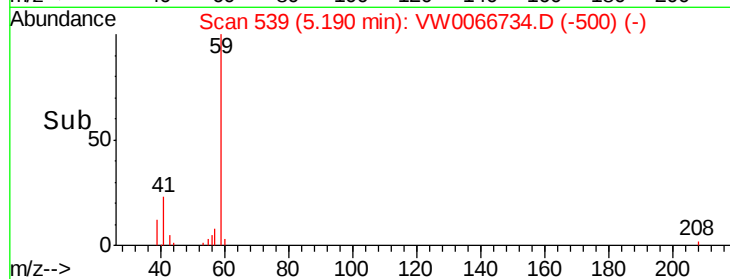
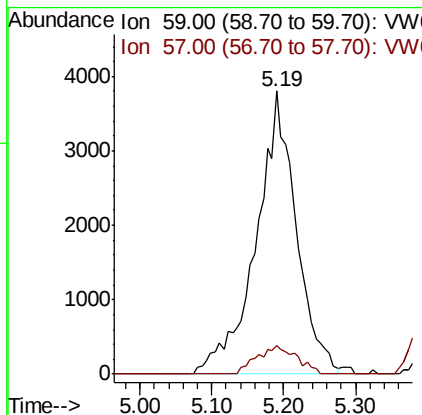
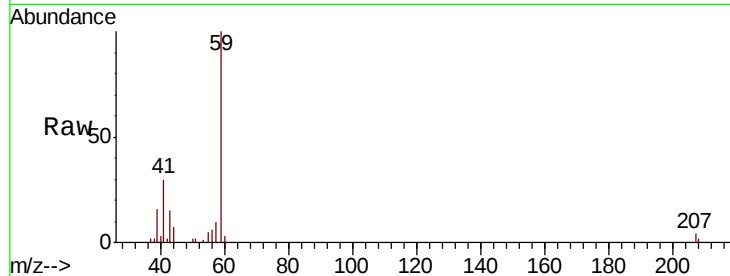


#11

Tert butyl alcohol
 Concen: 105.777 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. -0.06 min
 Lab File: VW0066734.D
 Acq: 07 Nov 2018 14:24

Instrument :
 MSVOA_W
 ClientSampleId :

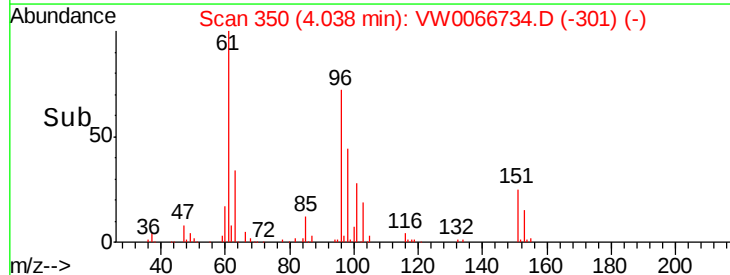
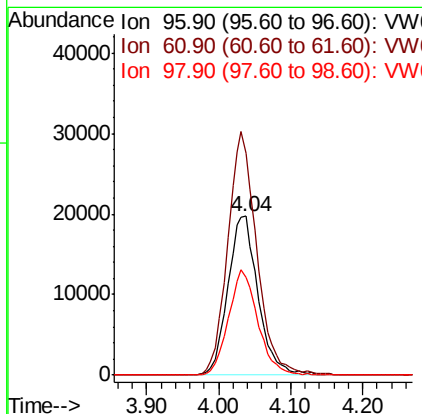
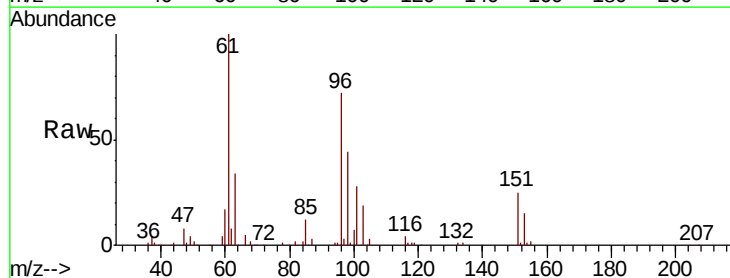
Tot Ion: 59 Resp: 14710
 Ion Ratio Lower Upper
 59 100
 57 9.9 4.3 6.5#

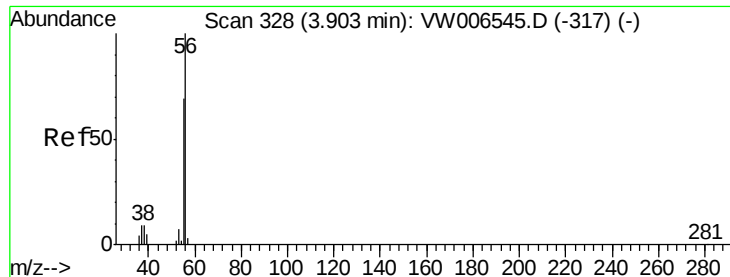


#12

1,1-Dichloroethene
 Concen: 23.576 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW0066734.D
 Acq: 07 Nov 2018 14:24

Tgt Ion: 96 Resp: 57743
 Ion Ratio Lower Upper
 96 100
 61 139.5 117.0 175.4
 98 61.3 52.5 78.7





#13

Acrolein

Concen: 86.904 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :

MSVOA_W

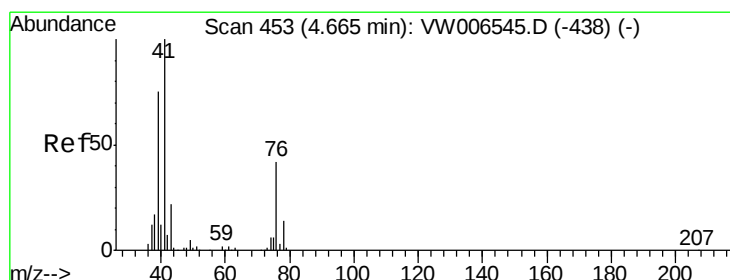
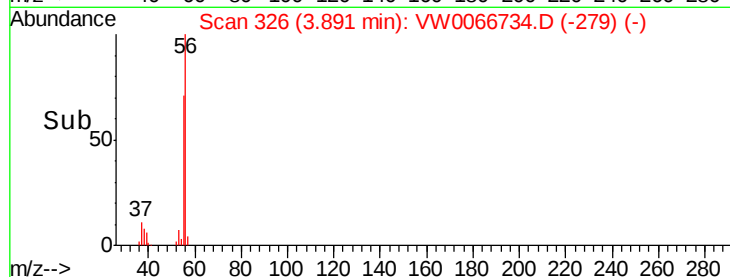
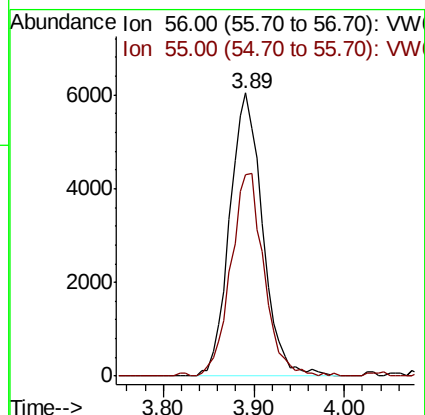
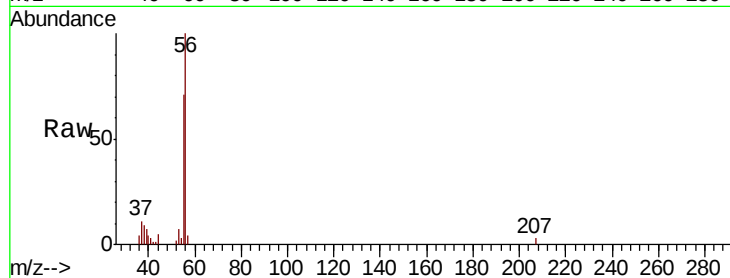
ClientSampleId :

Tot Ion: 56 Resp: 15200

Ion Ratio Lower Upper

56 100

55 72.2 56.9 85.3



#14

Allyl chloride

Concen: 22.433 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

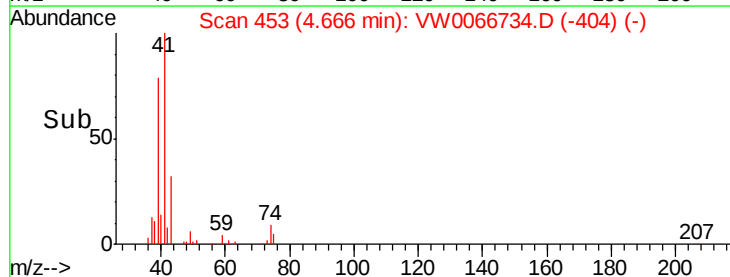
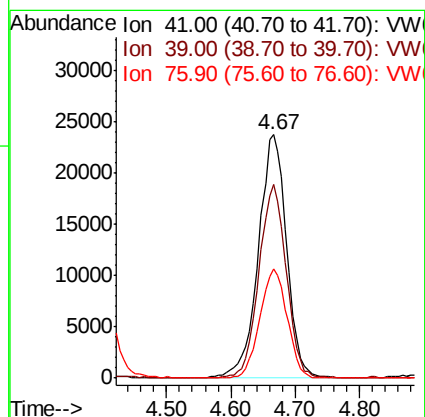
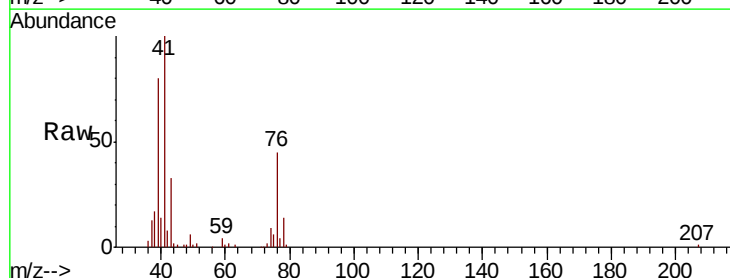
Tgt Ion: 41 Resp: 71718

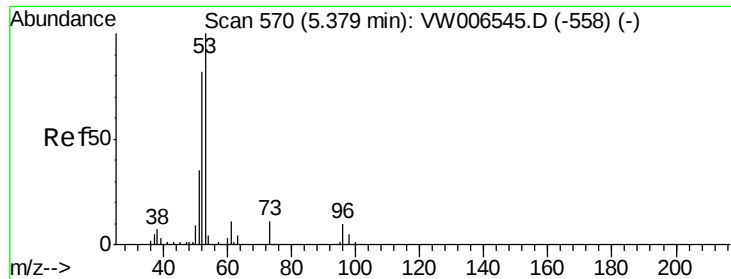
Ion Ratio Lower Upper

41 100

39 77.2 62.1 93.1

76 43.2 34.2 51.2





#15

Acrylonitrile

Concen: 106.603 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :

MSVOA_W

ClientSampleId :

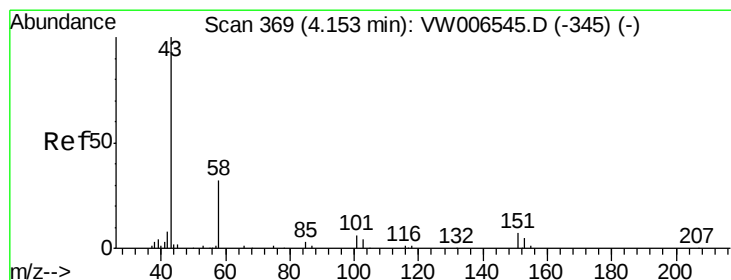
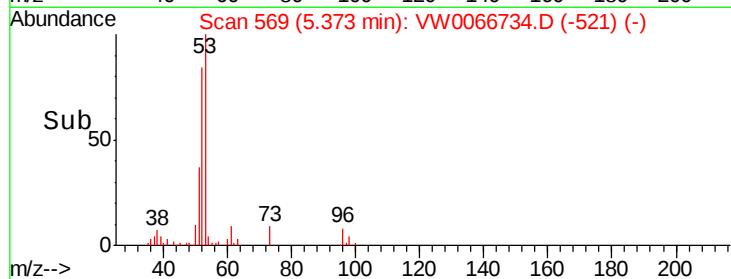
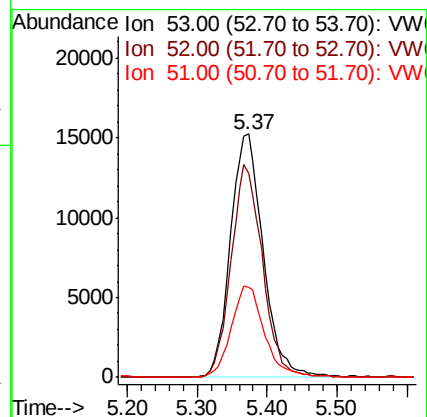
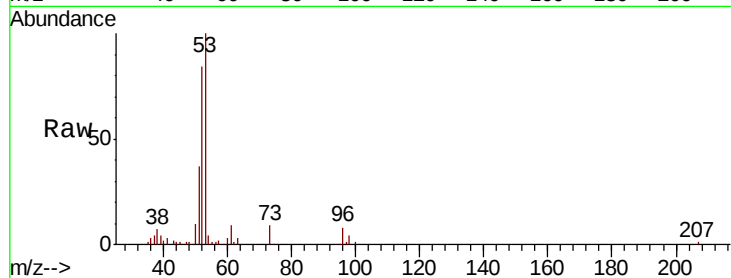
Tot Ion: 53 Resp: 49618

Ion Ratio Lower Upper

53 100

52 83.3 65.8 98.8

51 38.1 29.6 44.4



#16

Acetone

Concen: 146.615 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW0066734.D

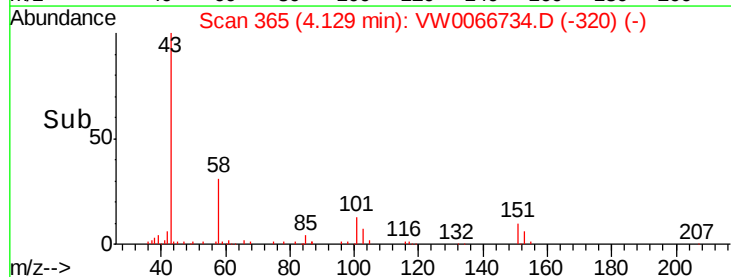
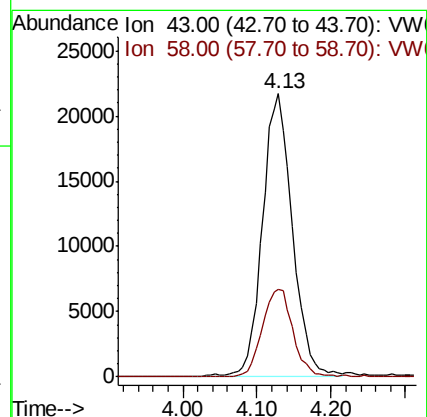
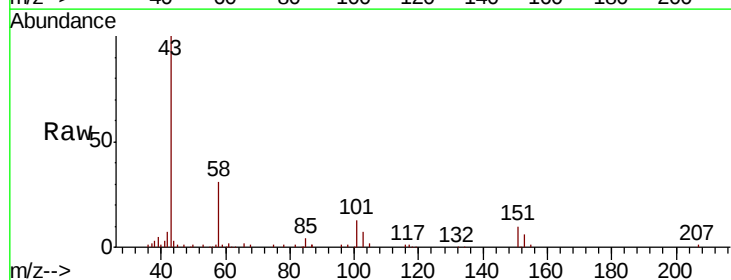
Acq: 07 Nov 2018 14:24

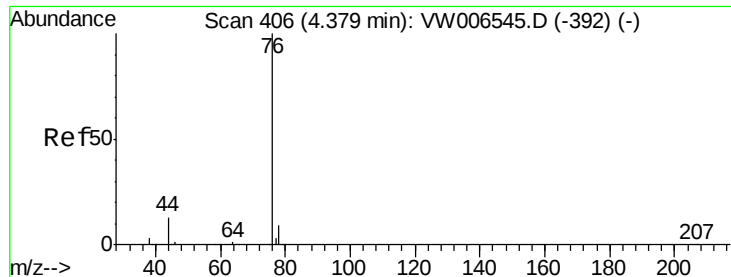
Tgt Ion: 43 Resp: 61096

Ion Ratio Lower Upper

43 100

58 30.9 25.8 38.8

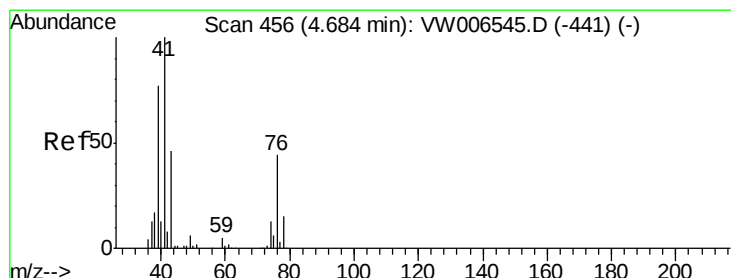
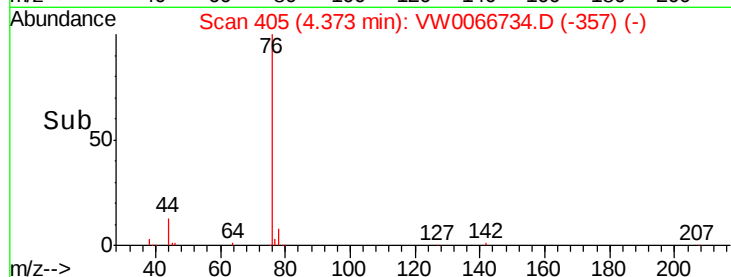
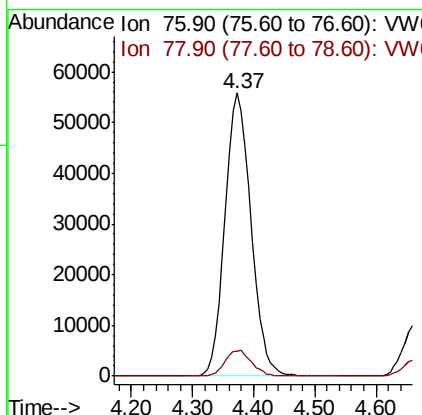
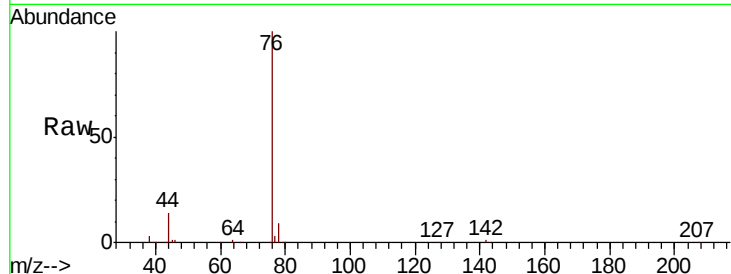




#17
Carbon Disulfide
Concen: 23.496 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

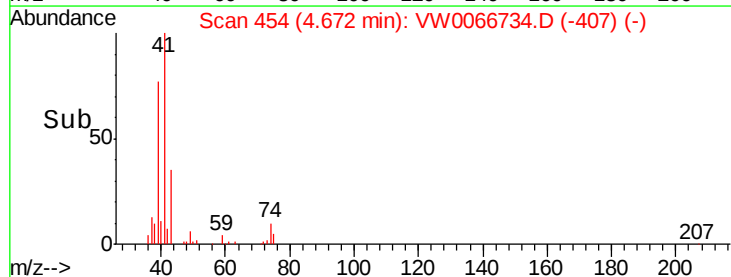
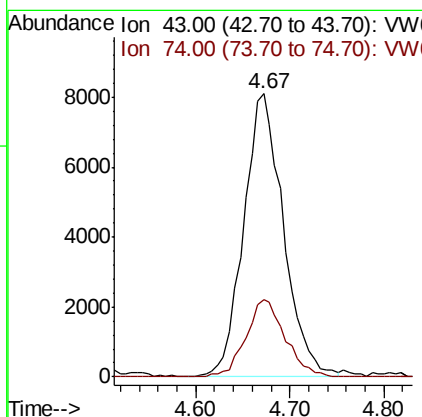
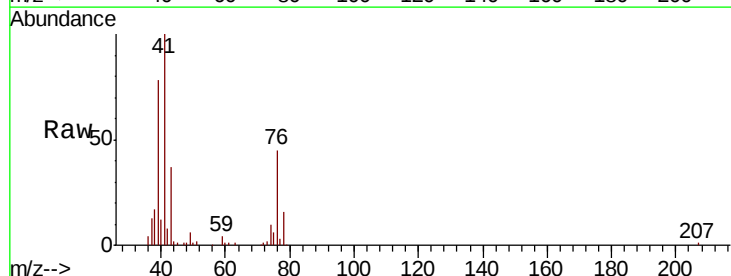
Instrument :
MSVOA_W
ClientSampleId :

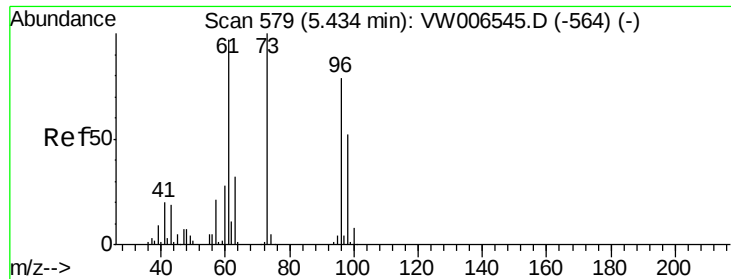
Tot Ion: 76 Resp: 163760
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 19.995 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

Tgt Ion: 43 Resp: 23959
Ion Ratio Lower Upper
43 100
74 26.8 21.9 32.9



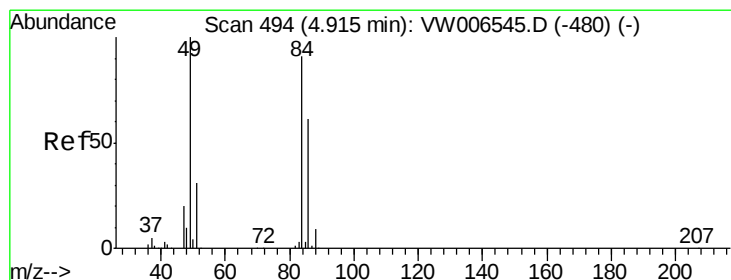
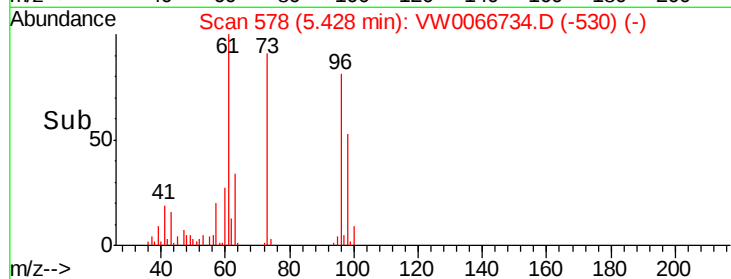
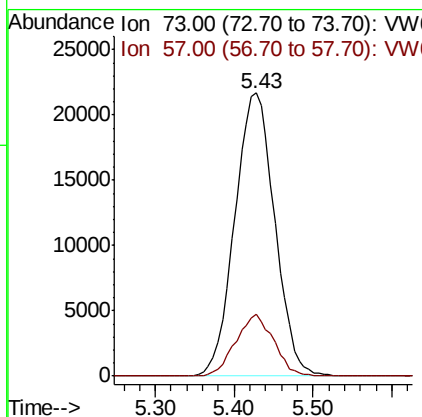
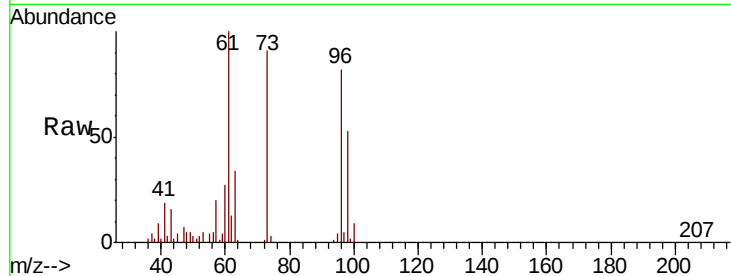


#19

Methyl tert-butyl Ether
 Concen: 20.930 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW0066734.D
 Acq: 07 Nov 2018 14:24

Instrument :
 MSVOA_W
 ClientSampled :

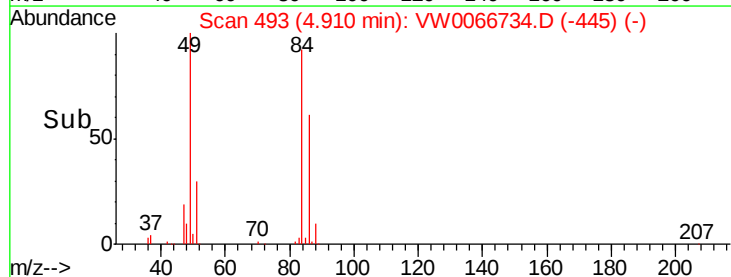
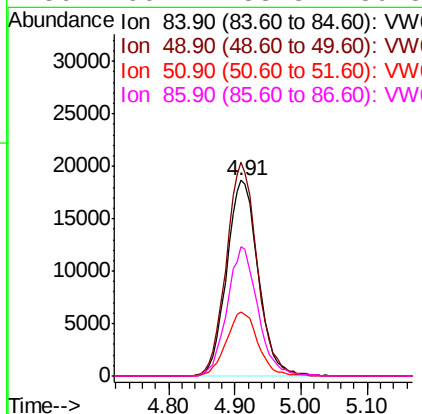
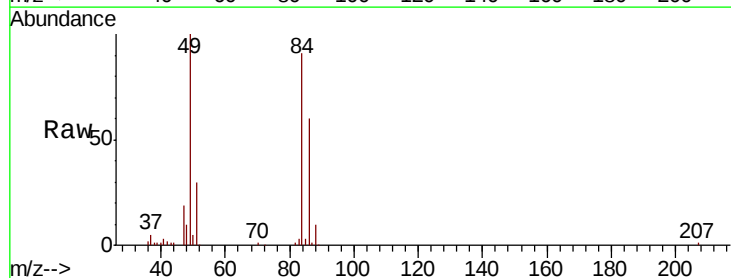
Tot Ion: 73 Resp: 76303
 Ion Ratio Lower Upper
 73 100
 57 21.9 16.7 25.1



#20

Methylene Chloride
 Concen: 19.054 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW0066734.D
 Acq: 07 Nov 2018 14:24

Tgt Ion: 84 Resp: 61440
 Ion Ratio Lower Upper
 84 100
 49 109.4 88.2 132.4
 51 32.8 27.0 40.6
 86 66.1 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 22.631 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :

MSVOA_W

ClientSampleId :

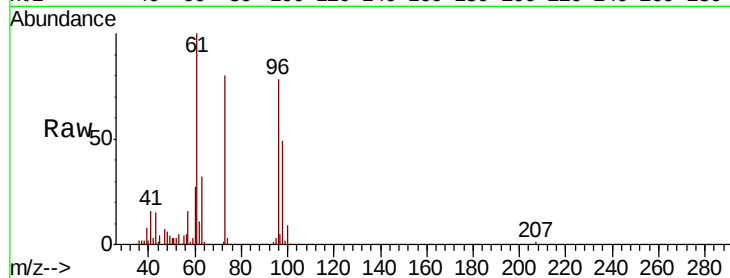
Tot Ion: 96 Resp: 62719

Ion Ratio Lower Upper

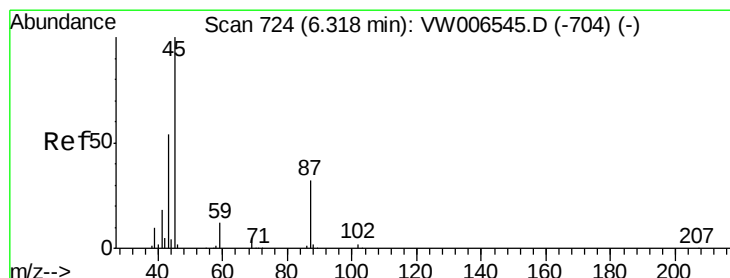
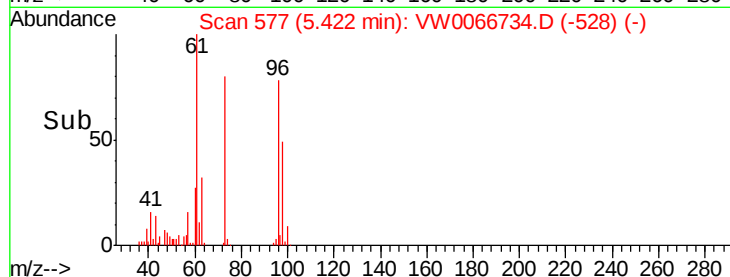
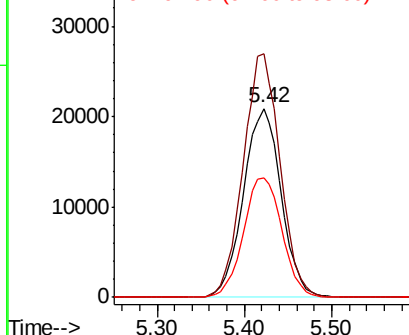
96 100

61 128.9 100.6 150.8

98 63.6 52.9 79.3



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: 21.681 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Tgt Ion: 45 Resp: 144505

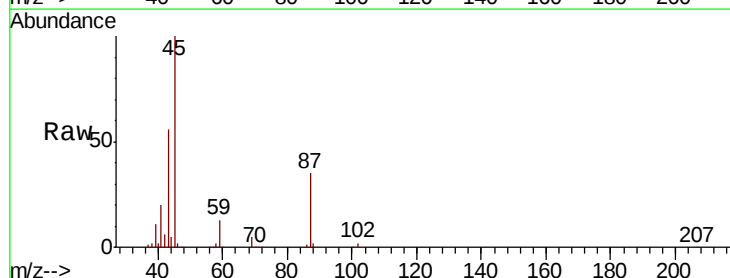
Ion Ratio Lower Upper

45 100

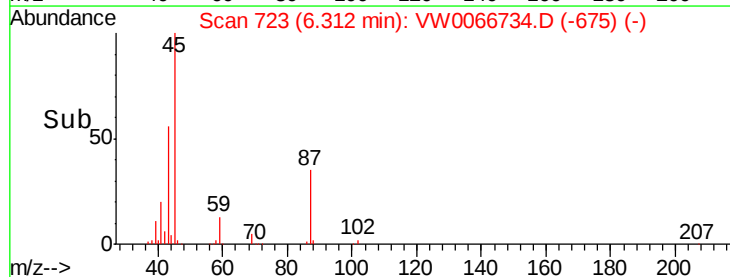
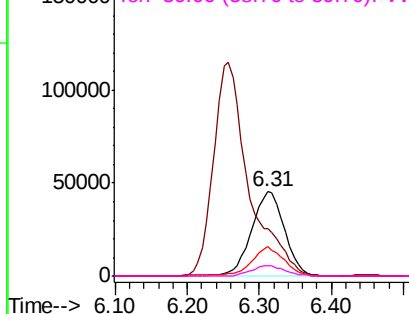
43 54.8 43.6 65.4

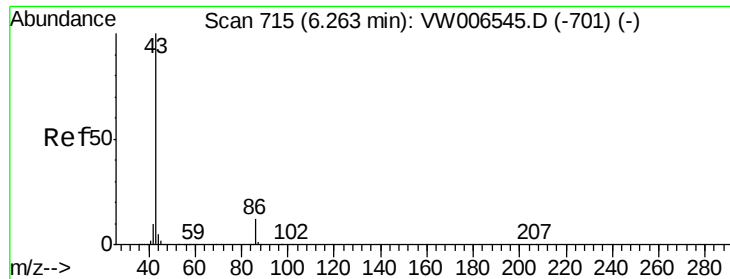
87 34.5 26.3 39.5

59 12.8 9.8 14.8



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 106.370 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :

MSVOA_W

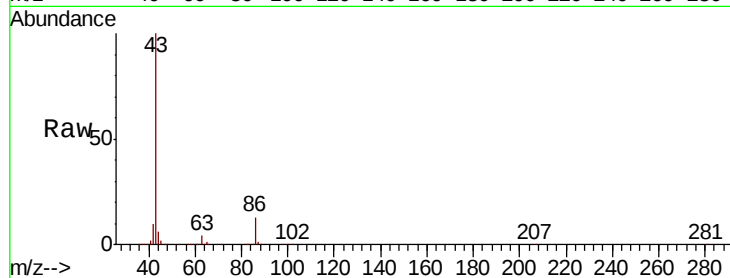
ClientSampleId :

Tot Ion: 43 Resp: 393145

Ion Ratio Lower Upper

43 100

86 12.7 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

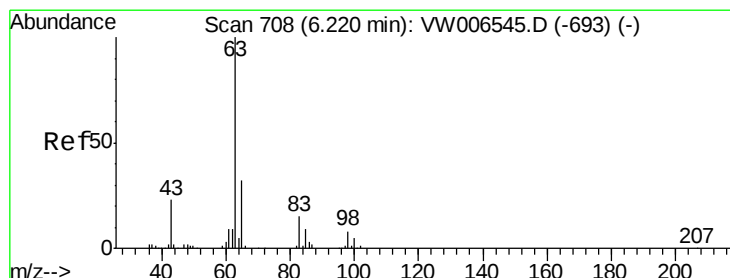
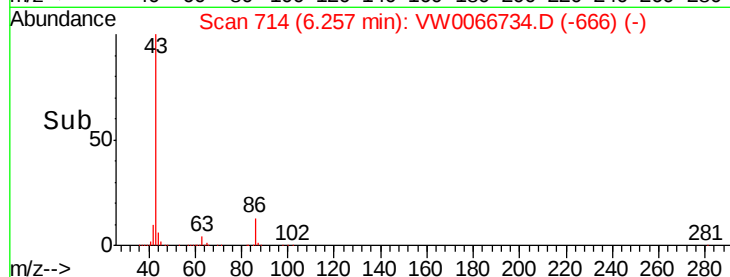
6.26

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.105 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

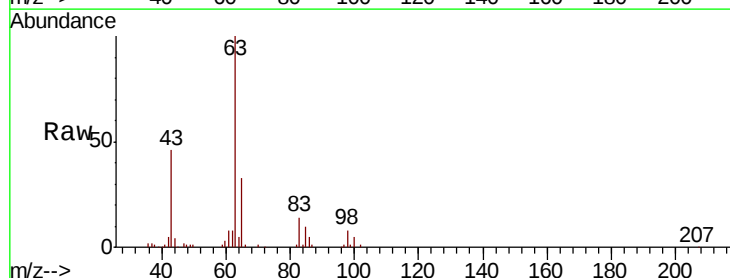
Tgt Ion: 63 Resp: 99849

Ion Ratio Lower Upper

63 100

98 8.0 3.8 11.4

100 4.5 2.4 7.2



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

40000

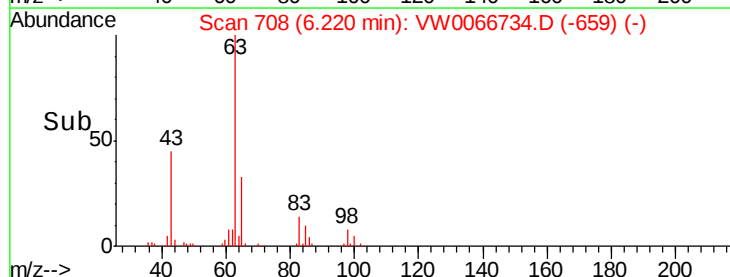
30000

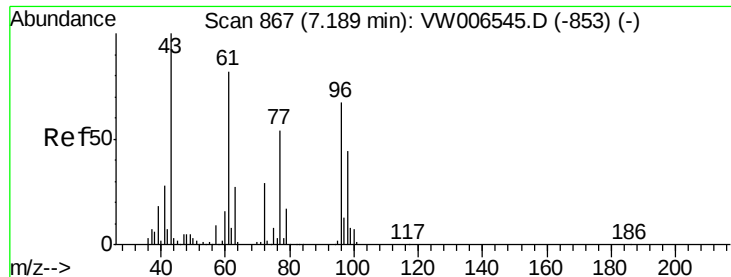
20000

10000

0

Time-->





#25

2-Butanone

Concen: 121.361 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :

MSVOA_W

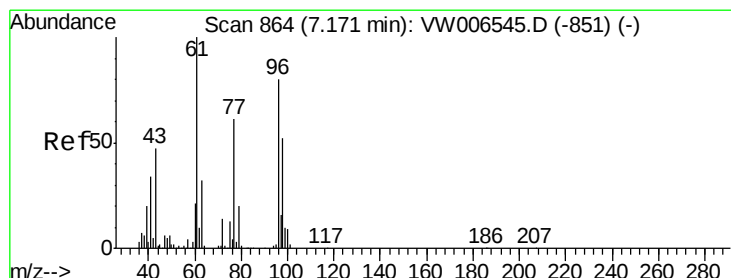
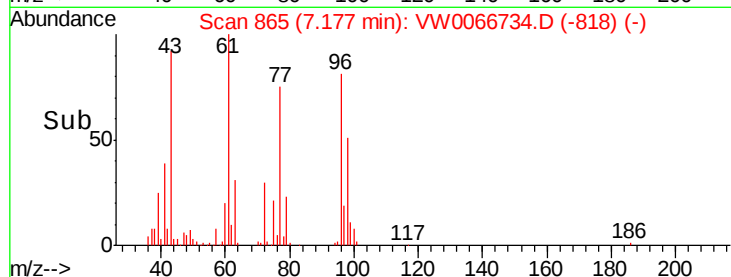
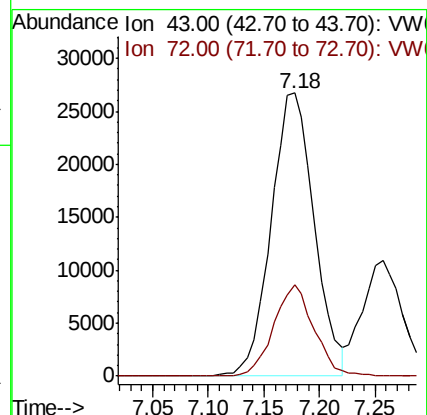
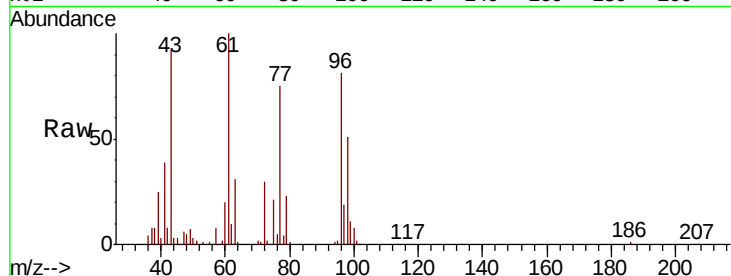
ClientSampled :

Tot Ion: 43 Resp: 72165

Ion Ratio Lower Upper

43 100

72 32.2 23.2 34.8



#26

2,2-Dichloropropane

Concen: 26.232 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW0066734.D

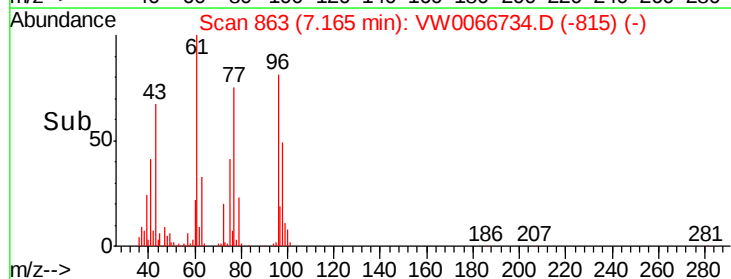
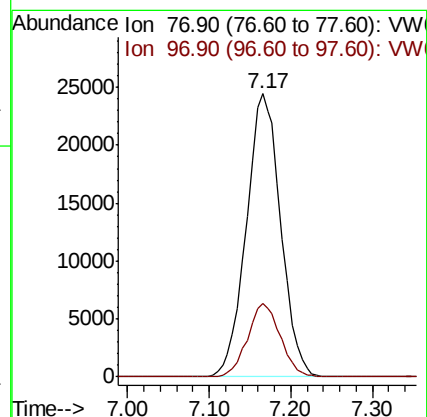
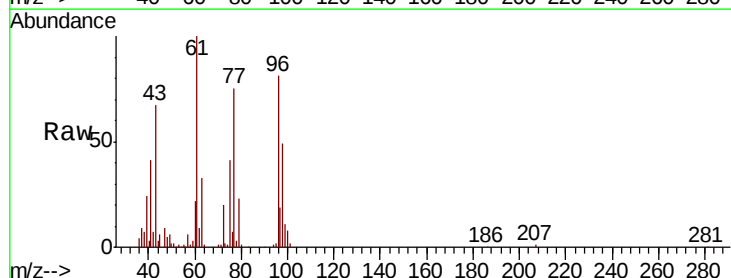
Acq: 07 Nov 2018 14:24

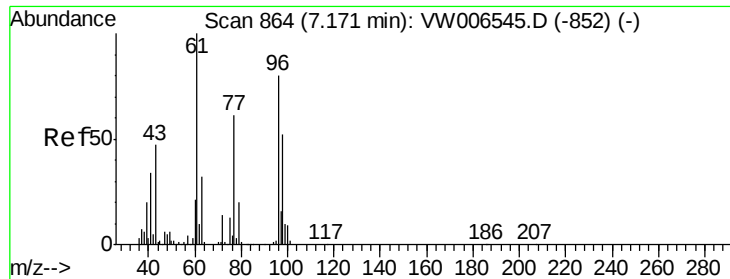
Tgt Ion: 77 Resp: 71377

Ion Ratio Lower Upper

77 100

97 24.7 12.8 38.4



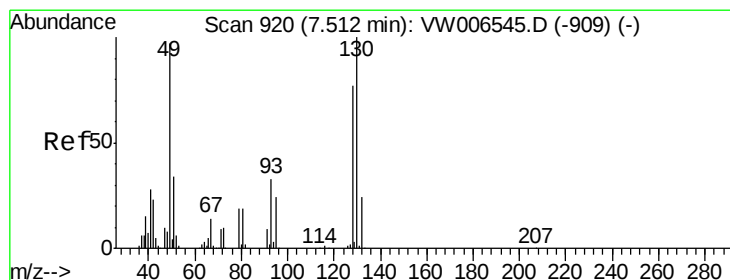
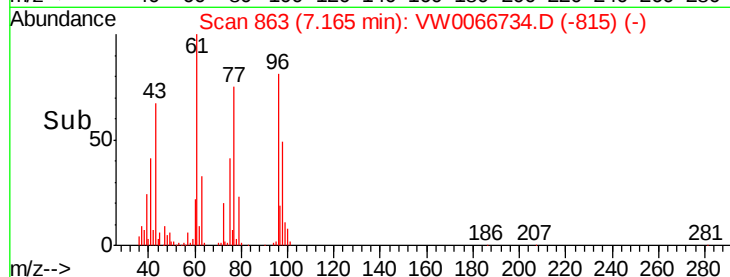
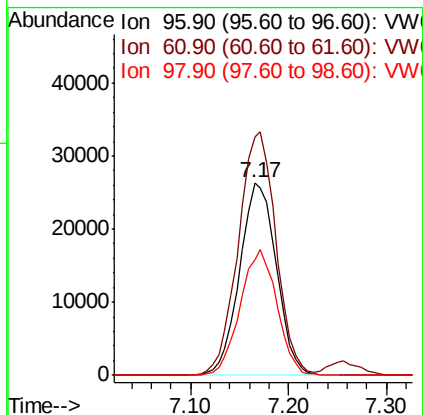
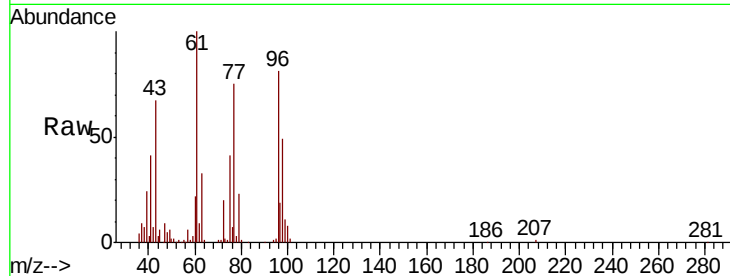


#27

cis-1,2-Dichloroethene
Concen: 22.167 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

Instrument :
MSVOA_W
ClientSampleId :

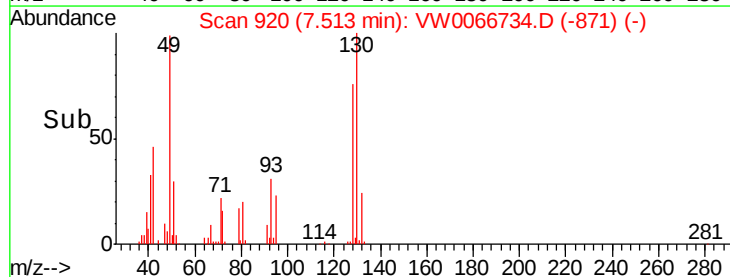
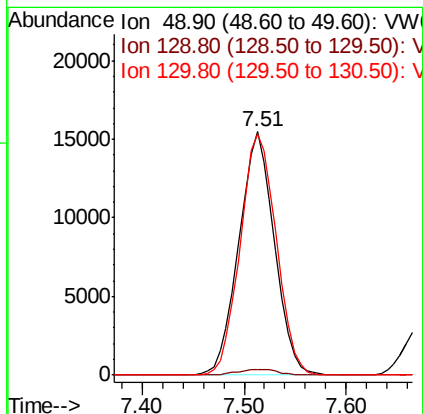
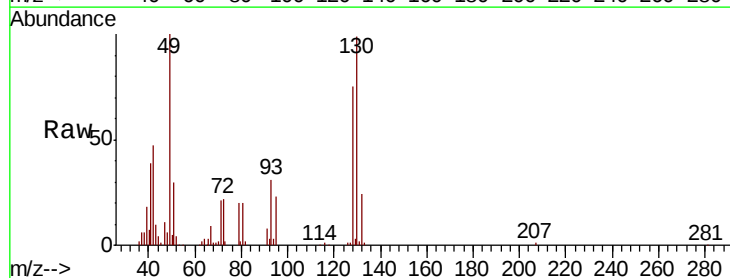
Tot Ion: 96 Resp: 68729
Ion Ratio Lower Upper
96 100
61 129.9 0.0 254.2
98 65.0 0.0 129.6

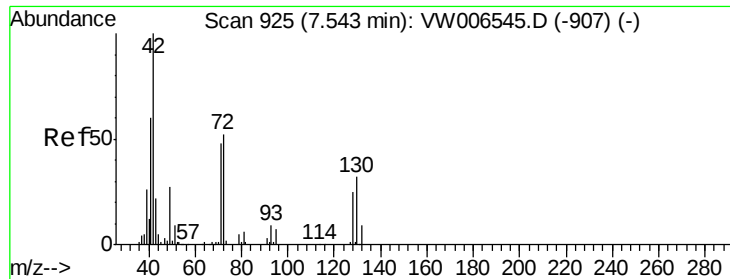


#28

Bromochloromethane
Concen: 20.884 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

Tgt Ion: 49 Resp: 37459
Ion Ratio Lower Upper
49 100
129 2.6 0.0 5.6
130 100.6 82.2 123.2

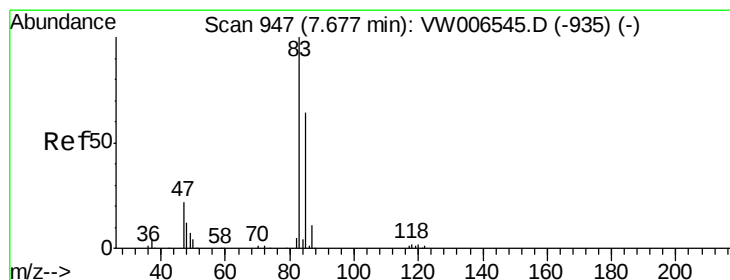
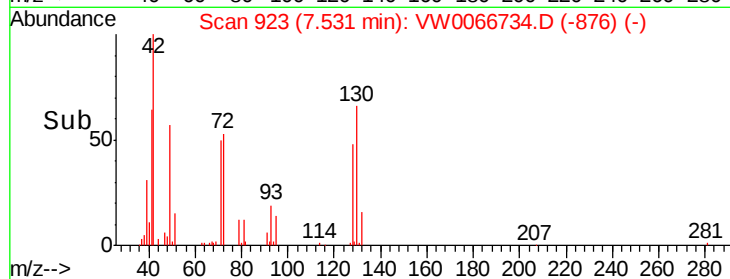
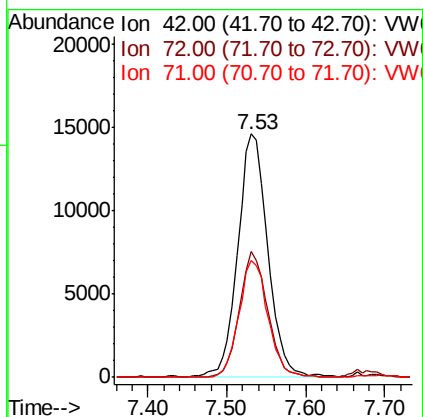
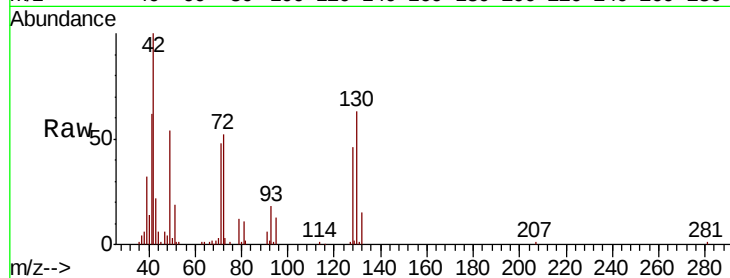




#29
Tetrahydrofuran
Concen: 103.703 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

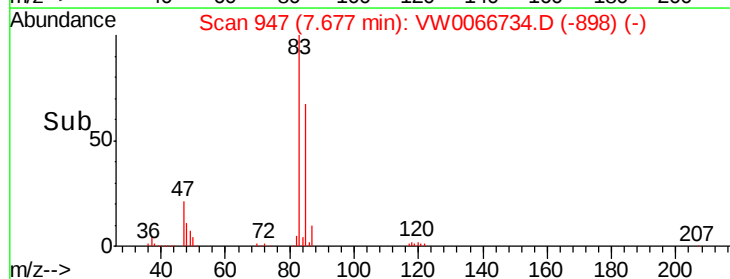
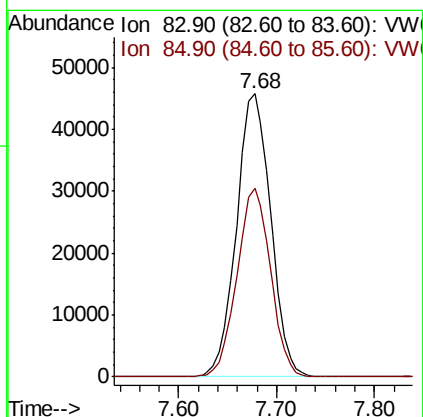
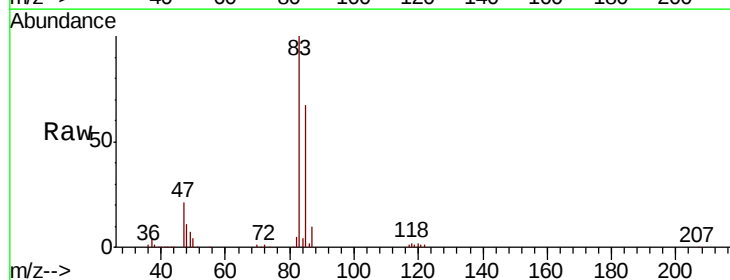
Instrument :
MSVOA_W
ClientSampled :

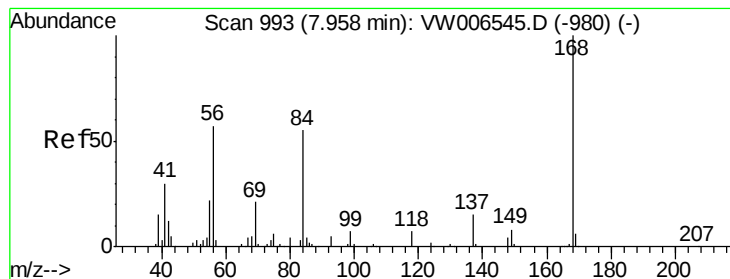
Tot Ion: 42 Resp: 38786
Ion Ratio Lower Upper
42 100
72 48.2 39.2 58.8
71 46.1 37.6 56.4



#30
Chloroform
Concen: 22.439 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

Tgt Ion: 83 Resp: 111126
Ion Ratio Lower Upper
83 100
85 66.8 51.3 76.9





#31

Cyclohexane

Concen: 23.266 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :

MSVOA_W

ClientSampleId :

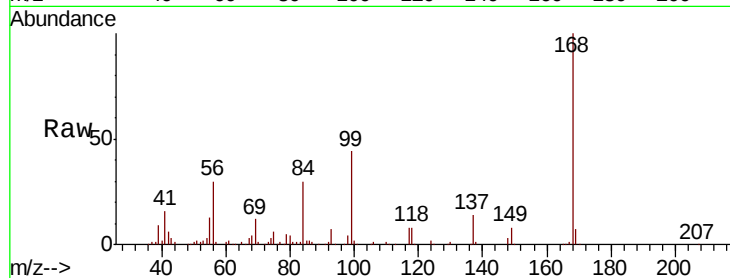
Tot Ion: 56 Resp: 95651

Ion Ratio Lower Upper

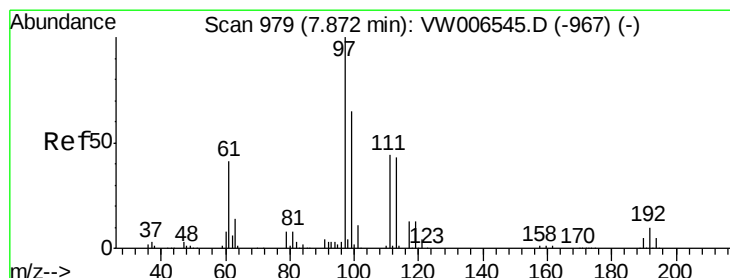
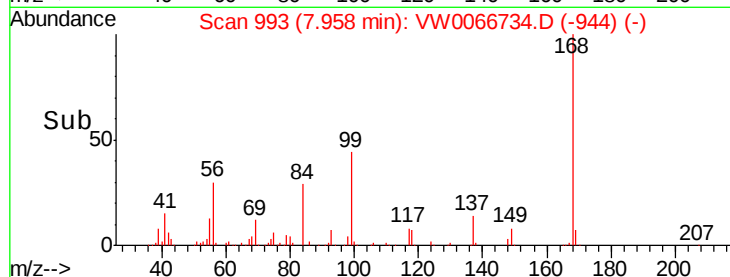
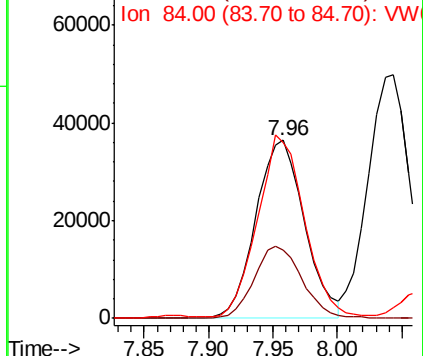
56 100

69 38.5 29.0 43.4

84 97.7 77.8 116.6



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: 23.588 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

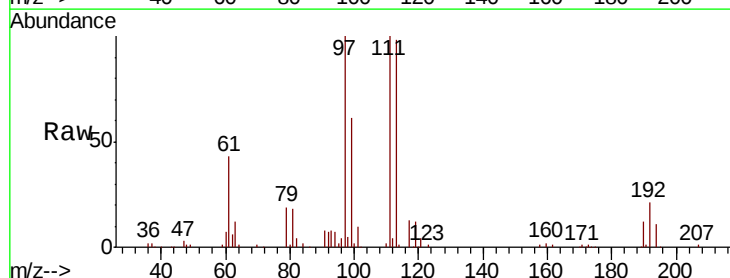
Tgt Ion: 97 Resp: 98847

Ion Ratio Lower Upper

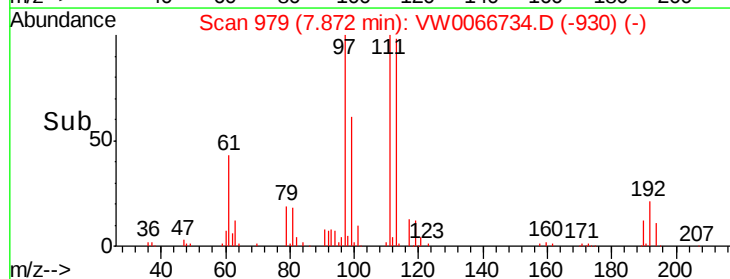
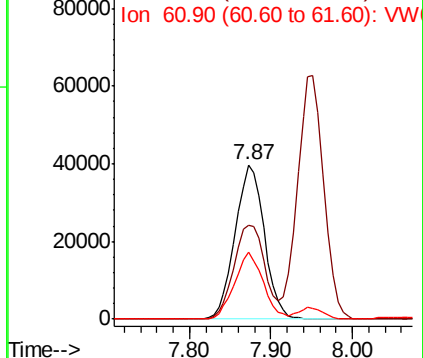
97 100

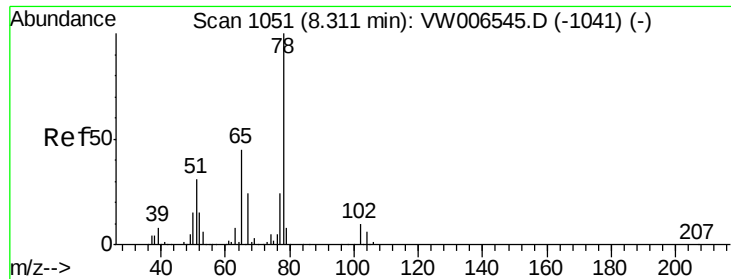
99 64.3 51.7 77.5

61 41.8 32.9 49.3



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

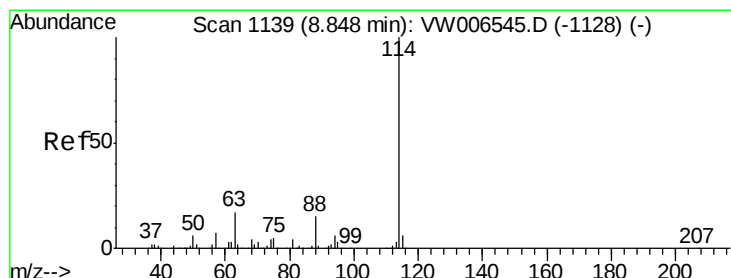
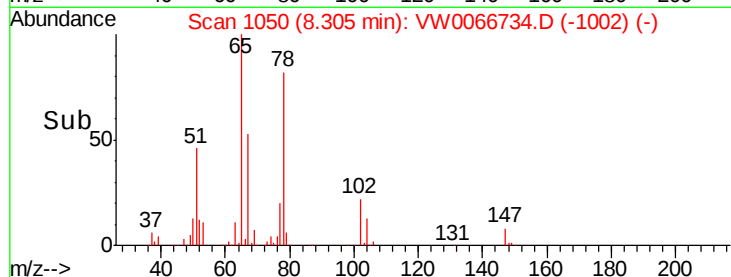
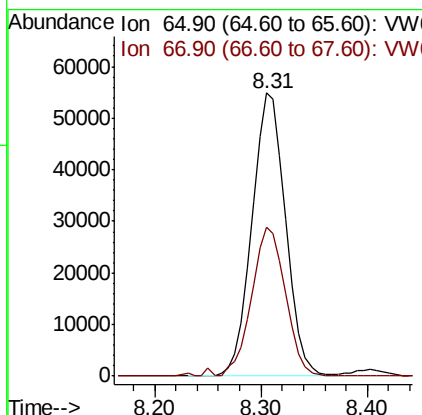
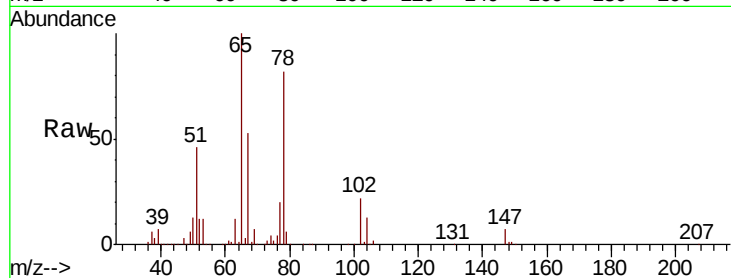




#33
 1,2-Dichloroethane-d4
 Concen: 47.051 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW0066734.D
 Acq: 07 Nov 2018 14:24

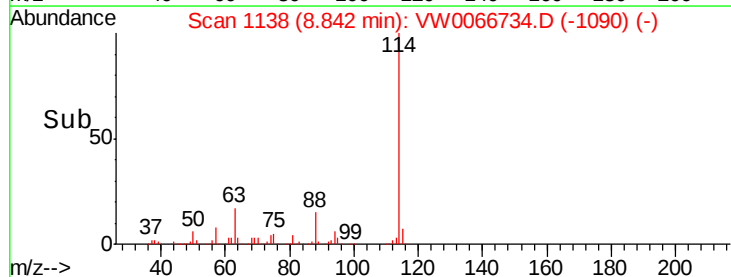
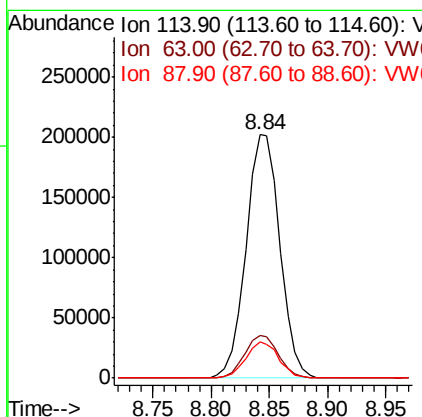
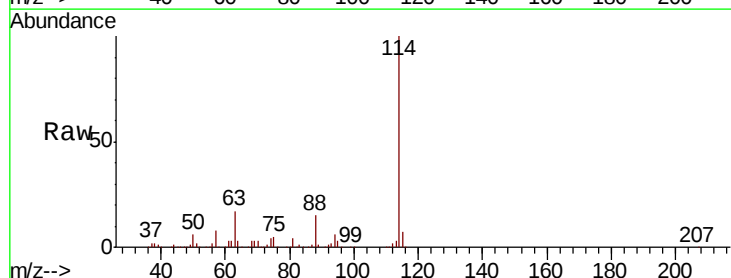
Instrument :
 MSVOA_W
 ClientSampleId :

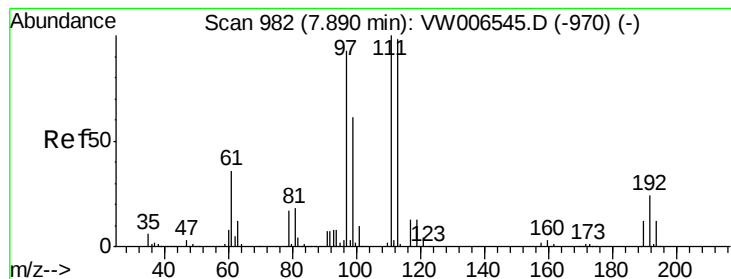
Tot Ion: 65 Resp: 121441
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW0066734.D
 Acq: 07 Nov 2018 14:24

Tgt Ion: 114 Resp: 409712
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 34.4
 88 15.0 0.0 29.0





#35

Dibromofluoromethane

Concen: 51.985 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :
MSVOA_W
ClientSampled :

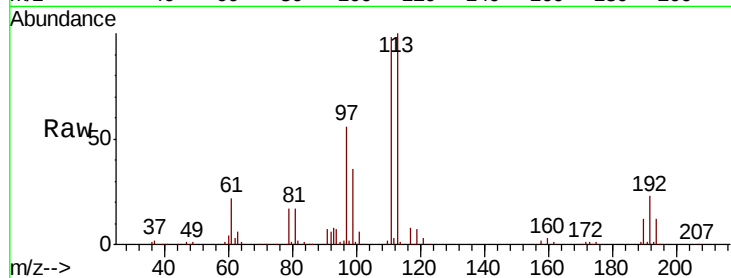
Tot Ion:113 Resp: 133668

Ion Ratio Lower Upper

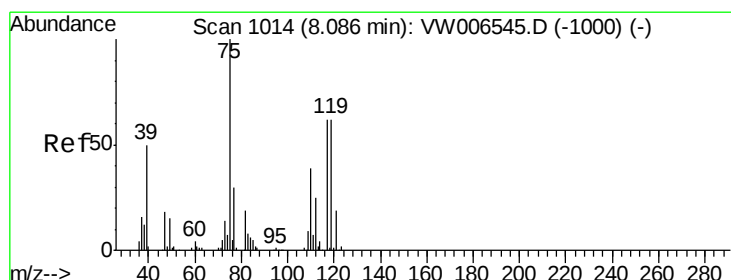
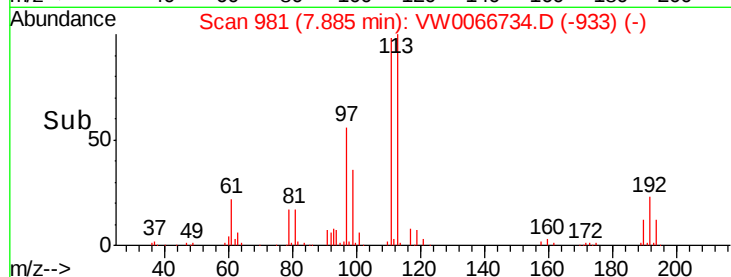
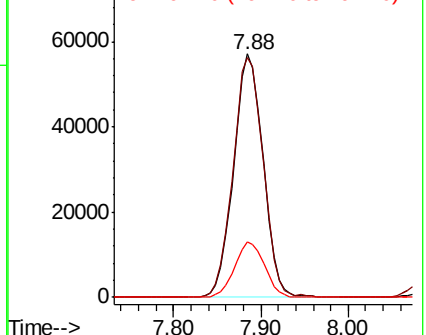
113 100

111 100.9 82.2 123.2

192 23.0 19.0 28.6



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: 24.824 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

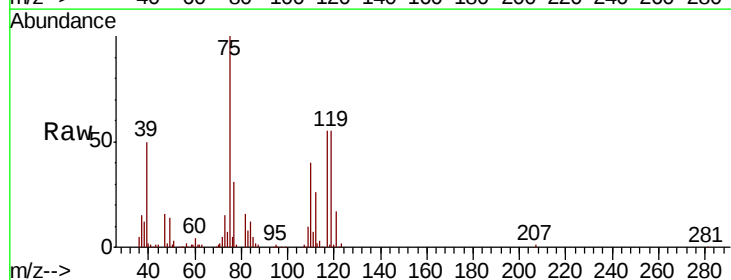
Tgt Ion: 75 Resp: 89443

Ion Ratio Lower Upper

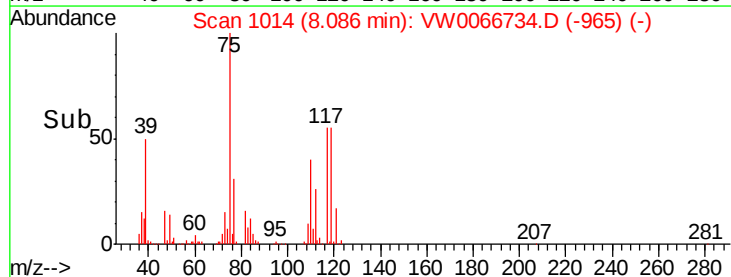
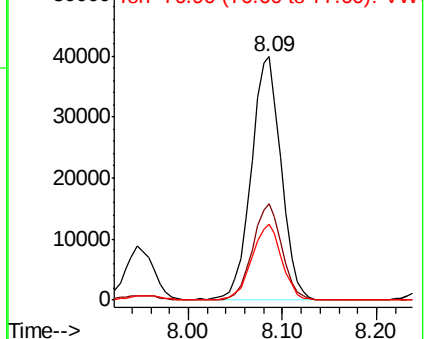
75 100

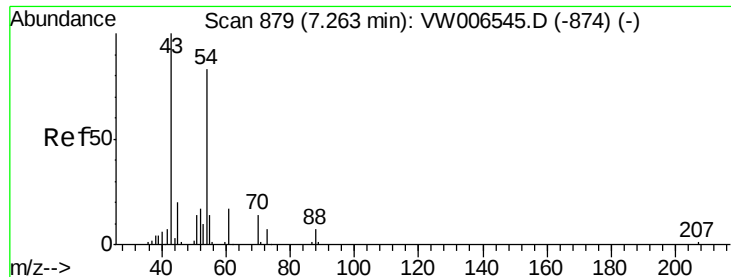
110 38.4 19.5 58.5

77 31.1 24.6 37.0



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

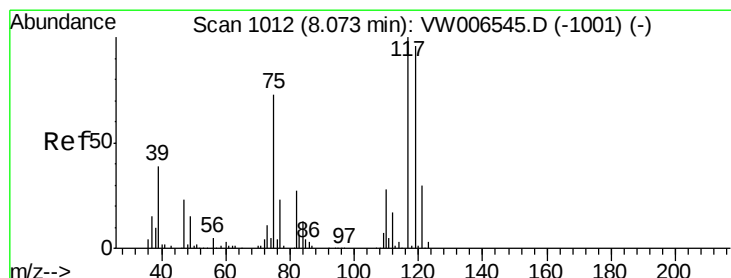
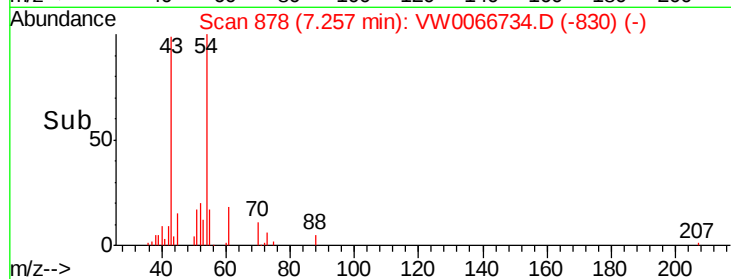
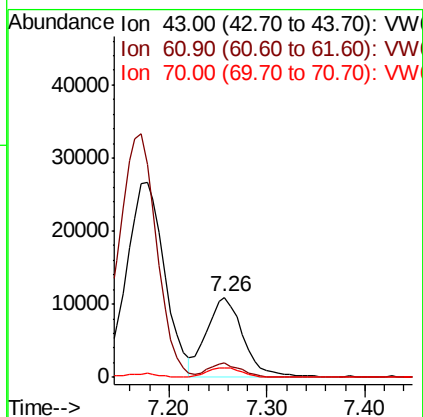
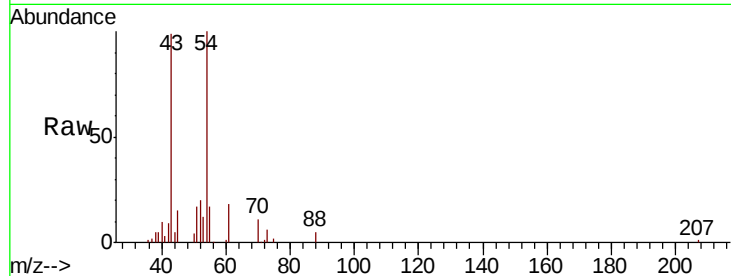




#37
Ethyl Acetate
Concen: 22.590 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

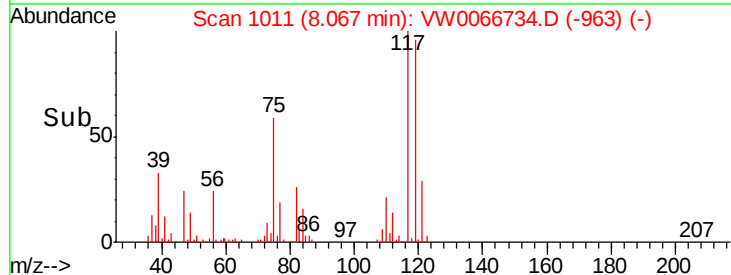
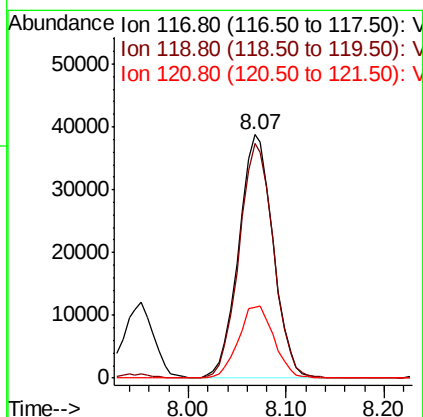
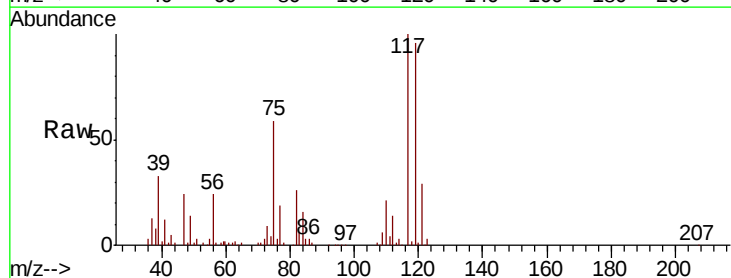
Instrument :
MSVOA_W
ClientSampleId :

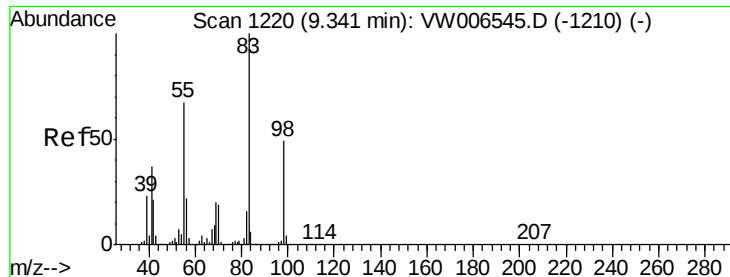
Tot Ion: 43 Resp: 28206
Ion Ratio Lower Upper
43 100
61 15.5 12.1 18.1
70 11.6 9.8 14.6



#38
Carbon Tetrachloride
Concen: 25.123 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

Tgt Ion: 117 Resp: 94584
Ion Ratio Lower Upper
117 100
119 96.2 76.3 114.5
121 29.3 24.1 36.1

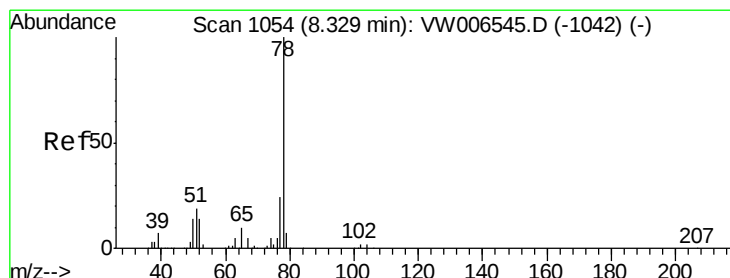
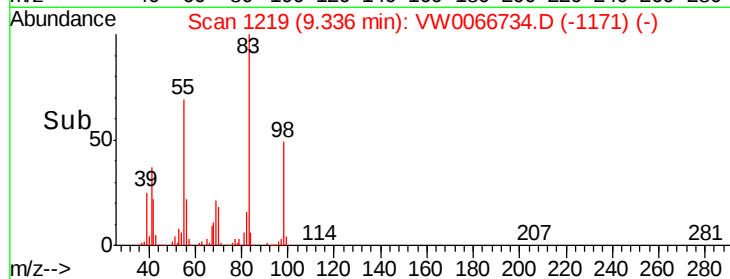
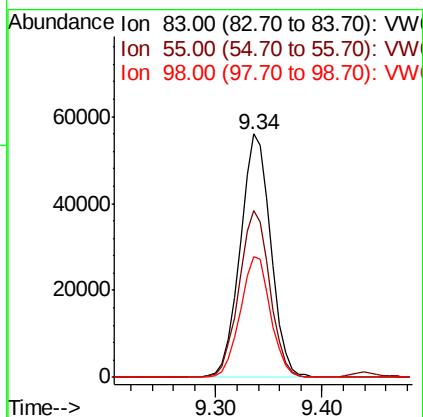
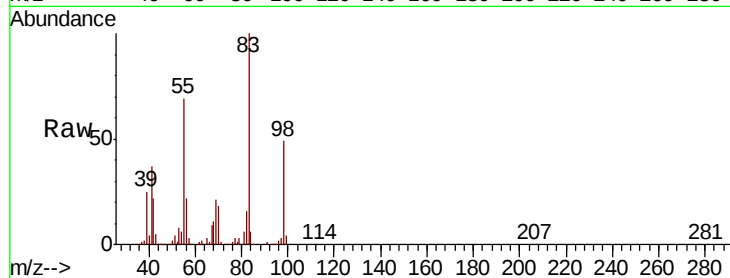




#39
Methvlcvclohexane
Concen: 24.644 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

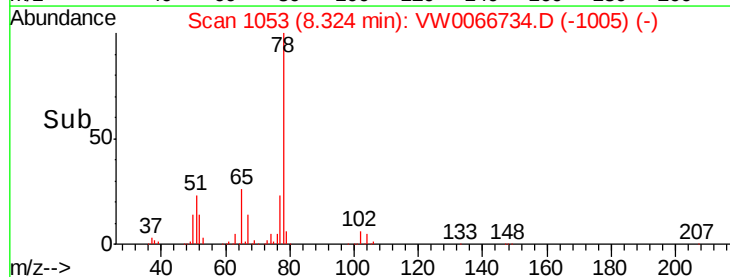
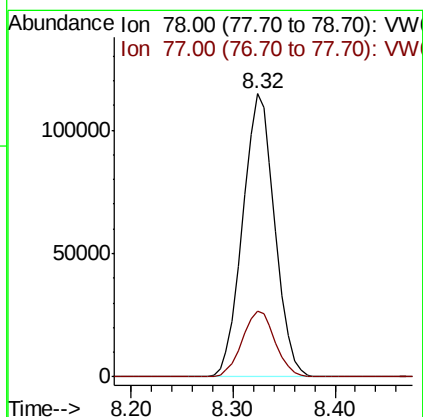
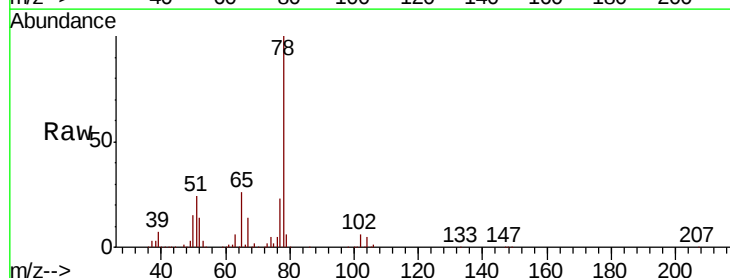
Instrument :
MSVOA_W
ClientSampleId :

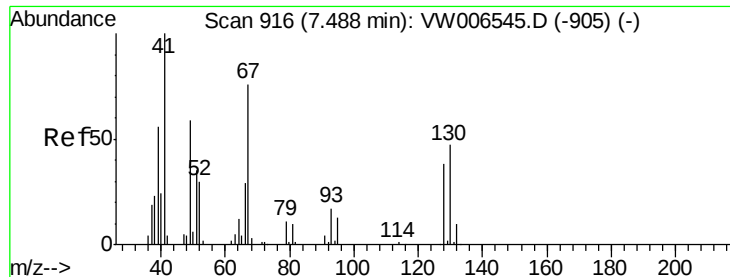
Tot Ion: 83 Resp: 112681
Ion Ratio Lower Upper
83 100
55 68.5 53.7 80.5
98 49.4 39.2 58.8



#40
Benzene
Concen: 24.463 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

Tgt Ion: 78 Resp: 250351
Ion Ratio Lower Upper
78 100
77 23.2 19.2 28.8





#41

Methacrylonitrile

Concen: 21.628 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 41 Resp: 16559

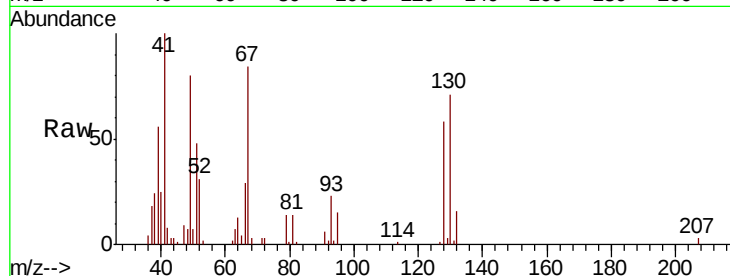
Ion	Ratio	Lower	Upper
41	100		
39	56.8	44.5	66.7
67	79.1	63.8	95.8
52	32.2	26.3	39.5

41 100

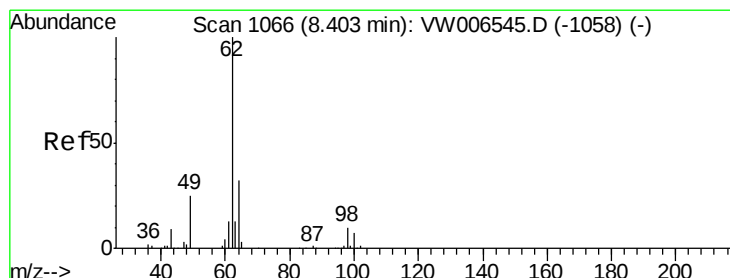
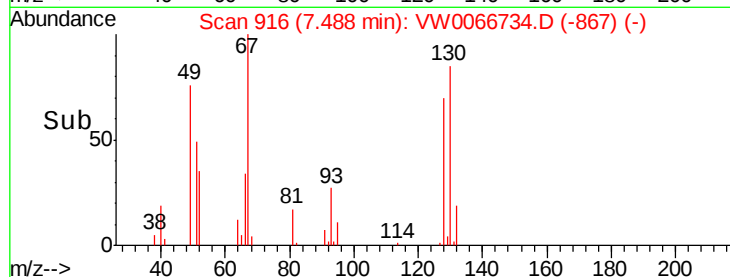
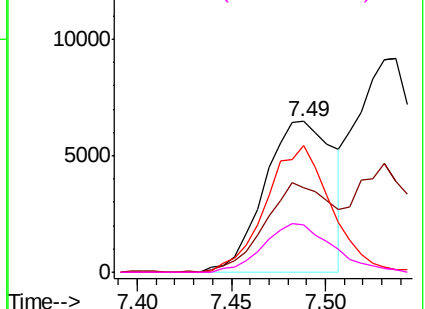
39 56.8 44.5 66.7

67 79.1 63.8 95.8

52 32.2 26.3 39.5



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



#42

1,2-Dichloroethane

Concen: 23.025 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW0066734.D

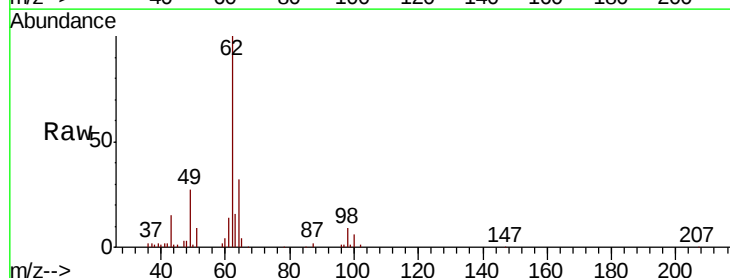
Acq: 07 Nov 2018 14:24

Tgt Ion: 62 Resp: 67578

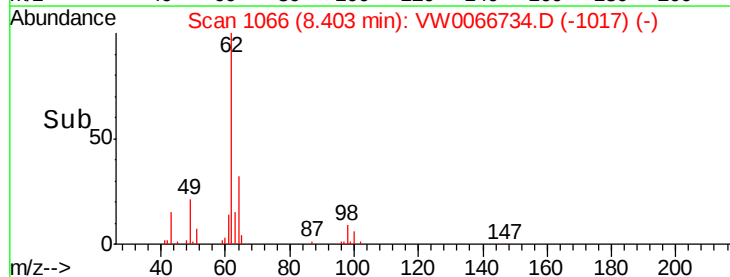
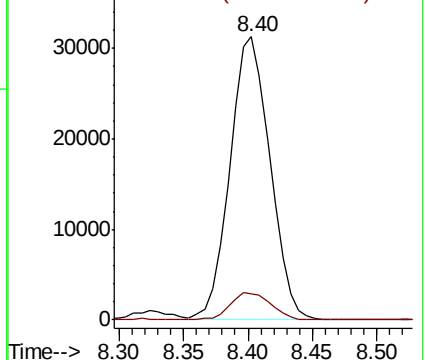
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.8

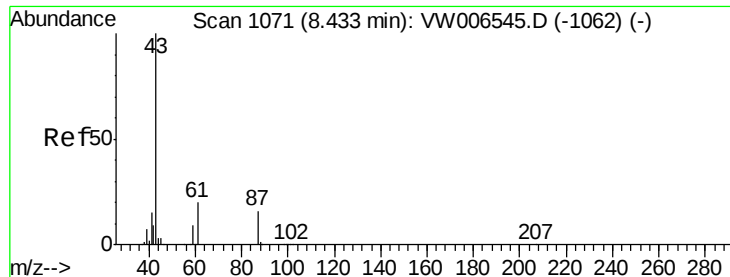
62 100

98 9.9 0.0 19.8



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





#43

Isopropyl Acetate

Concen: 21.669 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :

MSVOA_W

ClientSampleId :

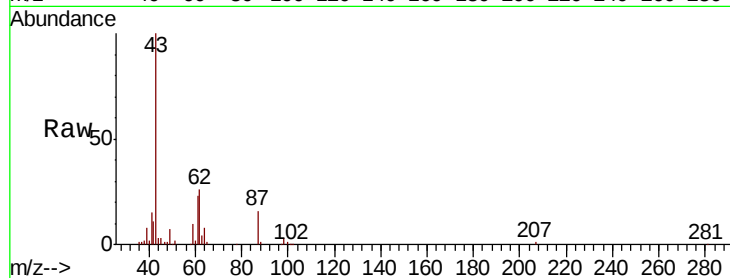
Tot Ion: 43 Resp: 53990

Ion Ratio Lower Upper

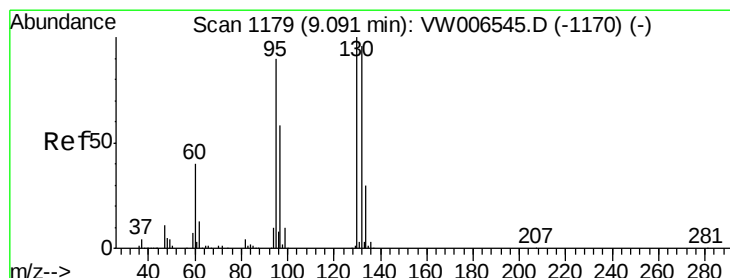
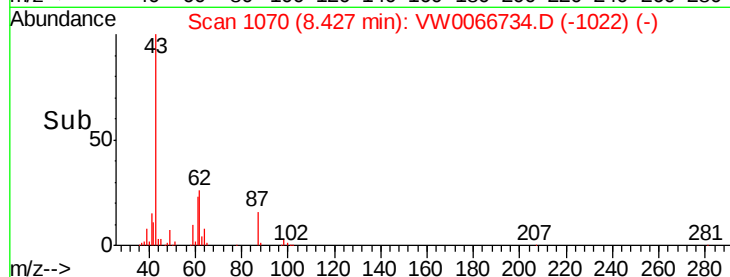
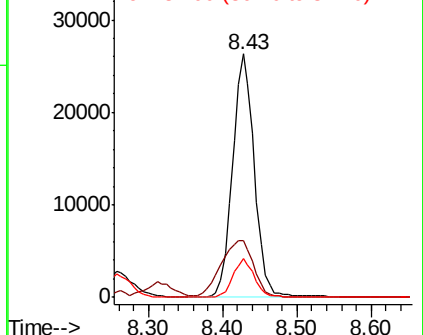
43 100

61 34.6 27.2 40.8

87 15.5 12.9 19.3



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: 24.095 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW0066734.D

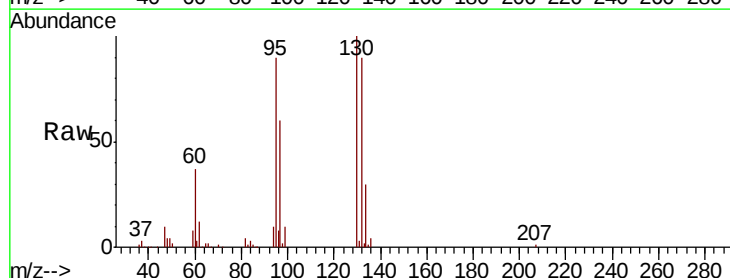
Acq: 07 Nov 2018 14:24

Tgt Ion:130 Resp: 76093

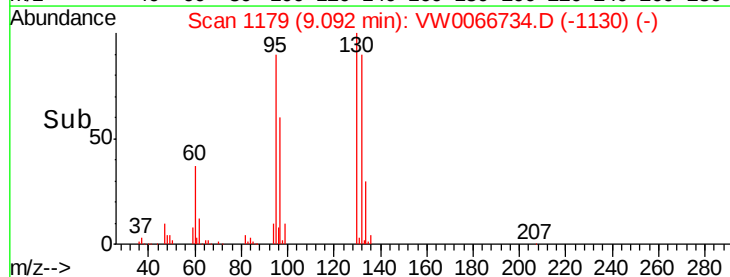
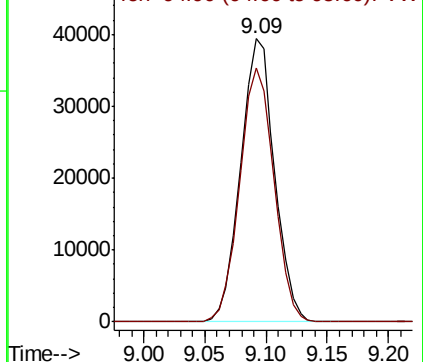
Ion Ratio Lower Upper

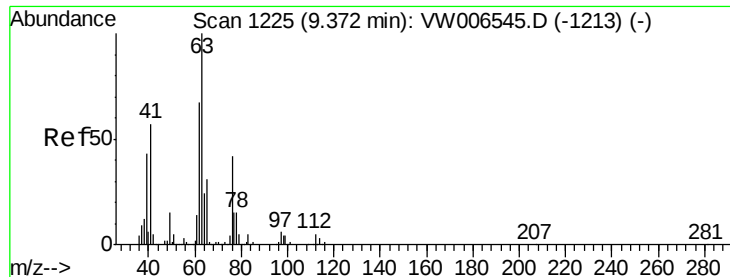
130 100

95 89.5 0.0 179.2



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

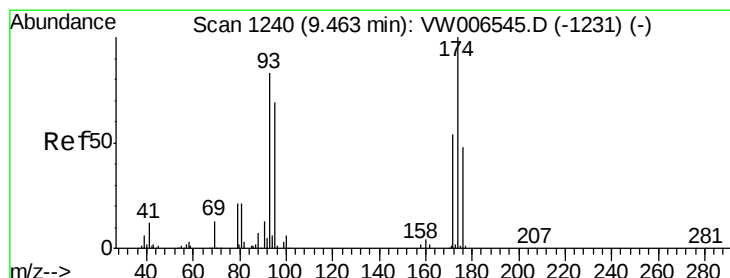
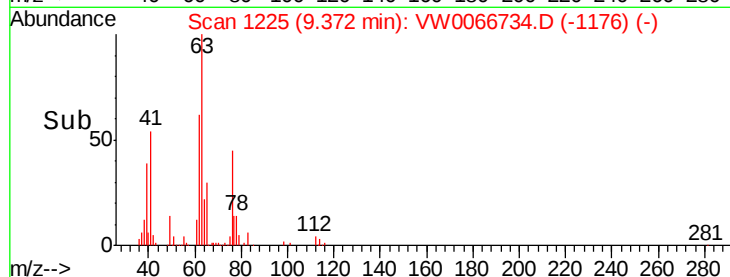
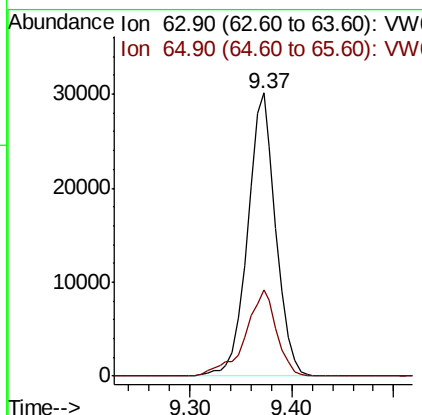
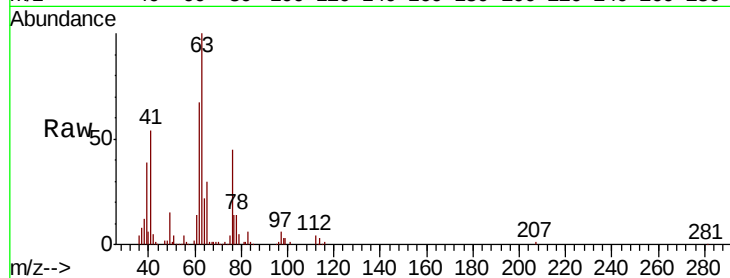




#45
 1,2-Dichloropropane
 Concen: 24.163 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW0066734.D
 Acq: 07 Nov 2018 14:24

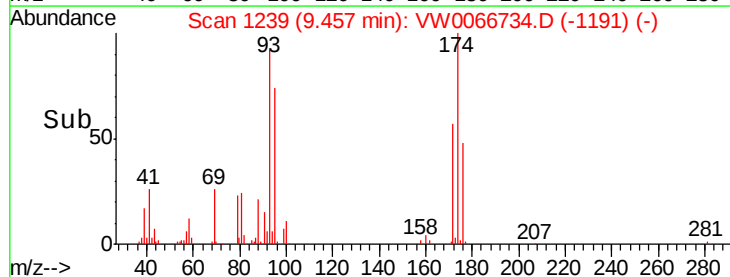
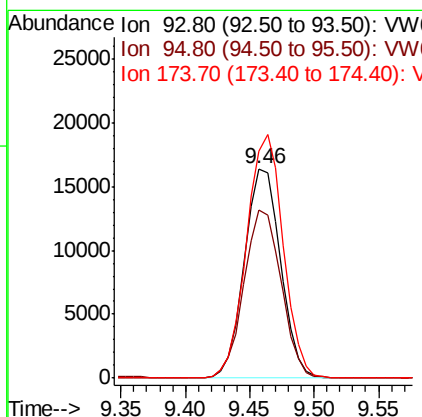
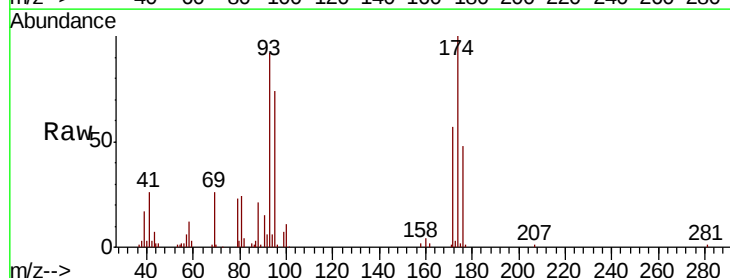
Instrument :
 MSVOA_W
 ClientSampleId :

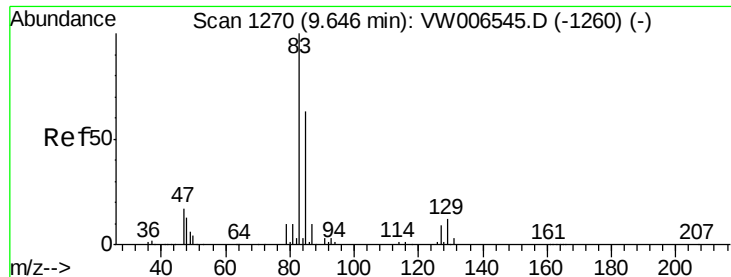
Tot Ion: 63 Resp: 57547
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.1 37.7



#46
 Dibromomethane
 Concen: 22.754 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW0066734.D
 Acq: 07 Nov 2018 14:24

Tgt Ion: 93 Resp: 31856
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.2 100.8
 174 118.0 97.3 145.9

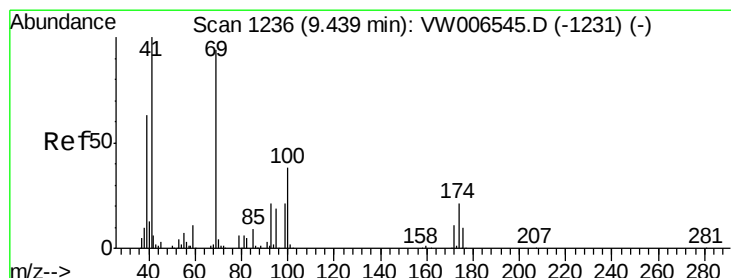
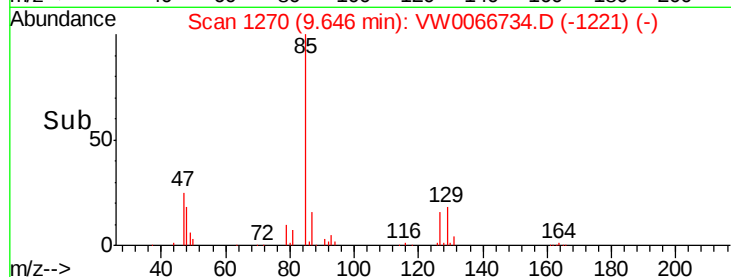
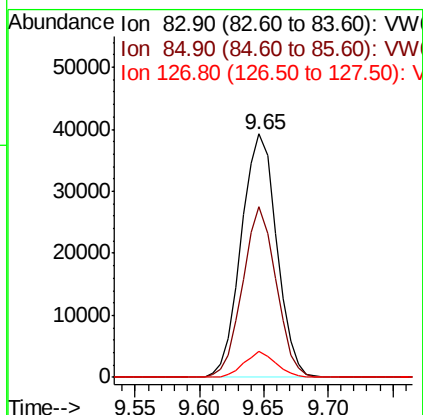
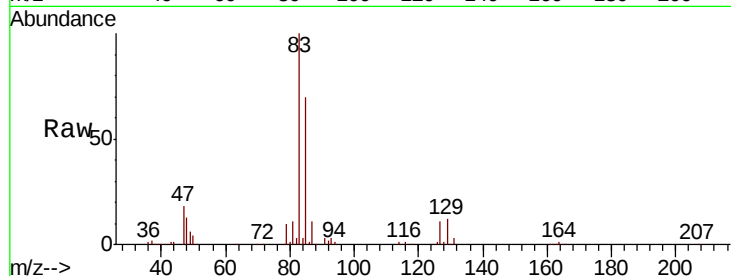




#47
 Bromodichloromethane
 Concen: 23.021 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW0066734.D
 Acq: 07 Nov 2018 14:24

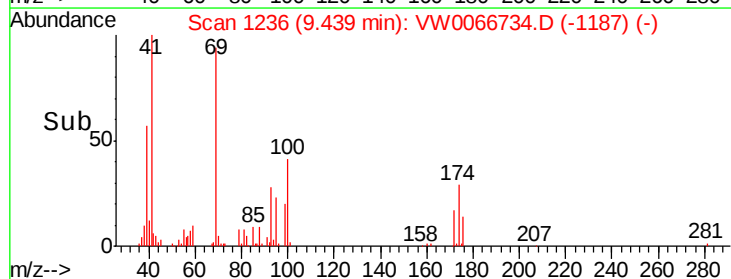
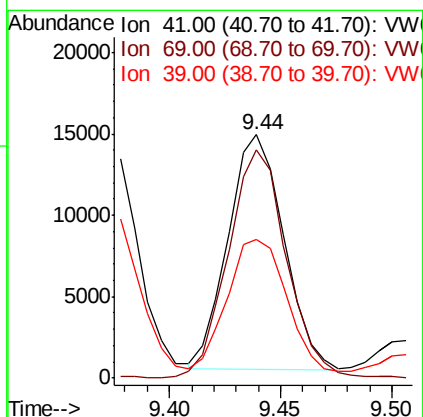
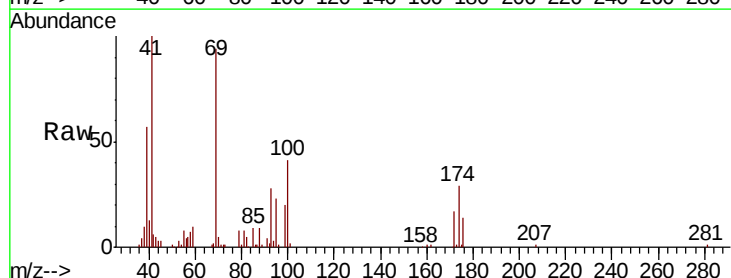
Instrument :
 MSVOA_W
 ClientSampled :

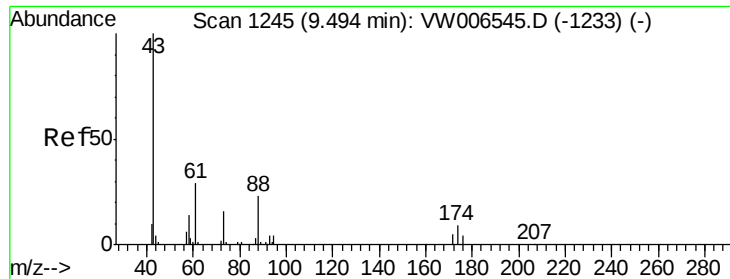
Tot Ion: 83 Resp: 74835
 Ion Ratio Lower Upper
 83 100
 85 70.0 50.6 75.8
 127 10.9 7.5 11.3



#48
 Methyl methacrylate
 Concen: 20.942 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VW0066734.D
 Acq: 07 Nov 2018 14:24

Tgt Ion: 41 Resp: 25139
 Ion Ratio Lower Upper
 41 100
 69 102.0 77.8 116.8
 39 60.3 48.7 73.1





#49

1,4-Dioxane

Concen: 406.464 ug/l

RT: 9.46 min Scan# 1239

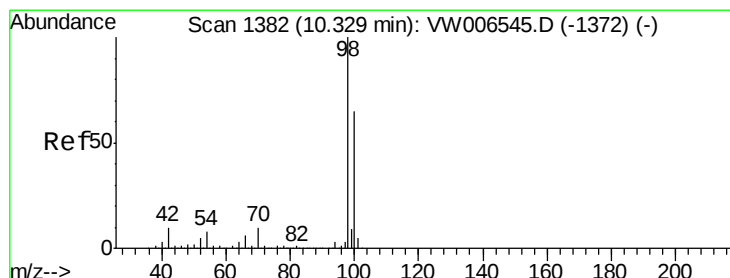
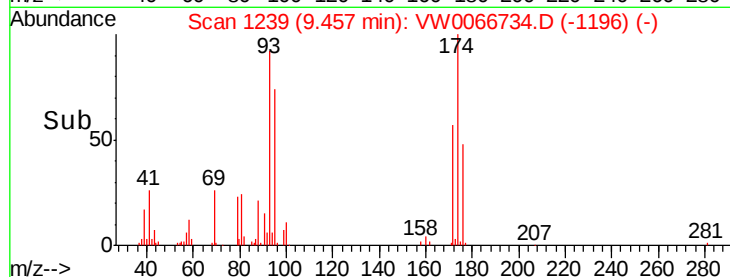
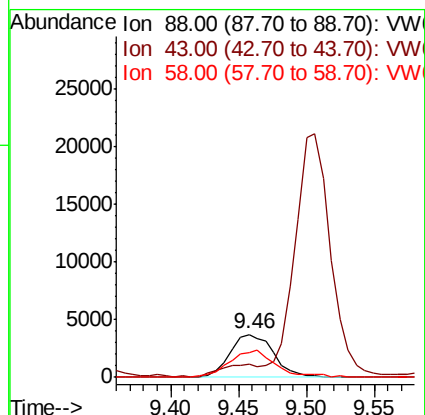
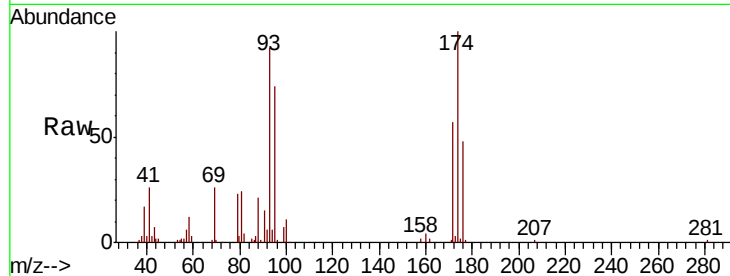
Delta R.T. -0.04 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 8328
Ion Ratio Lower Upper
88 100
43 23.8 356.6 534.8#
58 65.9 51.4 77.2



#50

Toluene-d8

Concen: 50.342 ug/l

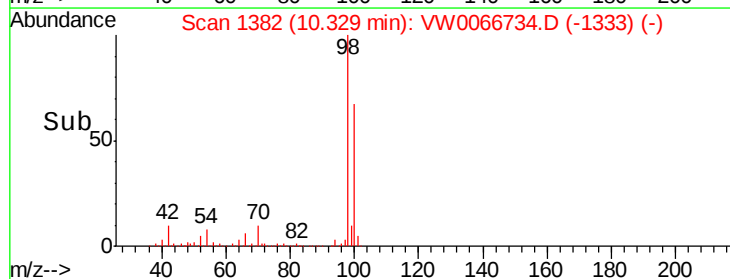
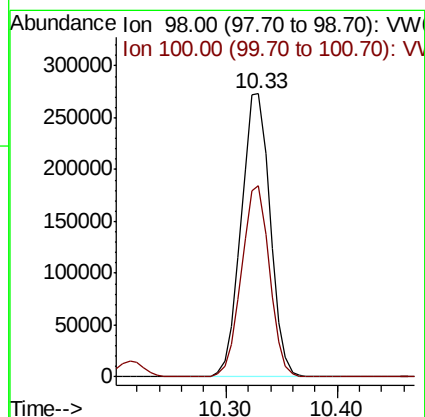
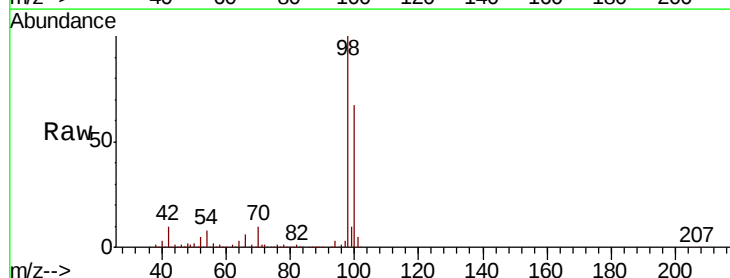
RT: 10.33 min Scan# 1382

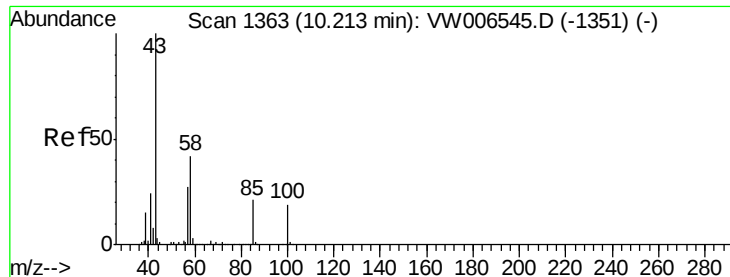
Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Tgt Ion: 98 Resp: 492761
Ion Ratio Lower Upper
98 100
100 65.2 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 109.797 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :

MSVOA_W

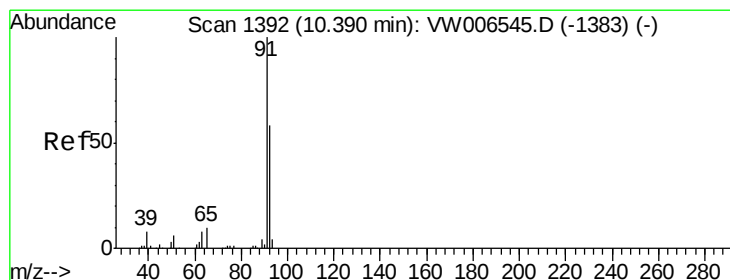
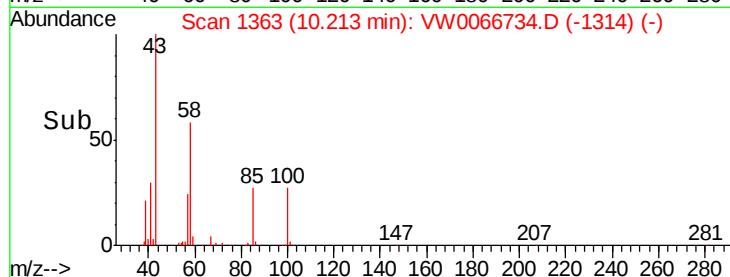
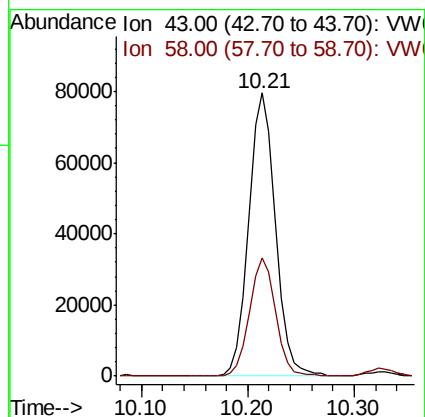
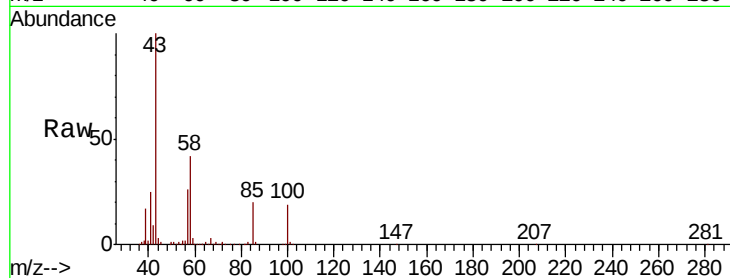
ClientSampled :

Tot Ion: 43 Resp: 140499

Ion Ratio Lower Upper

43 100

58 40.6 33.4 50.0



#52

Toluene

Concen: 23.420 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW0066734.D

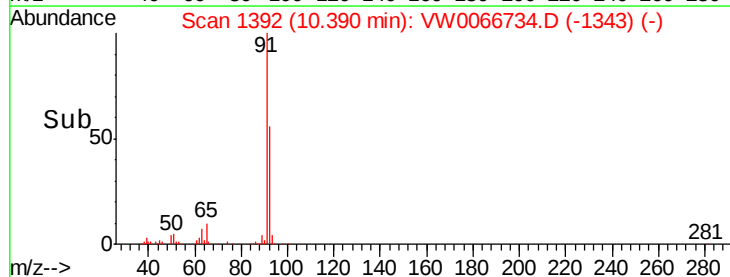
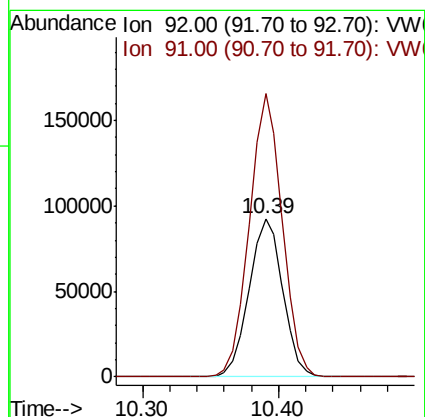
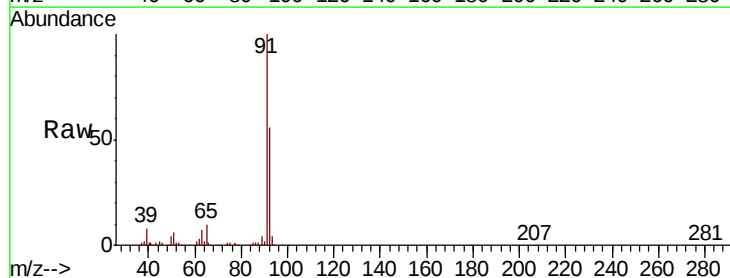
Acq: 07 Nov 2018 14:24

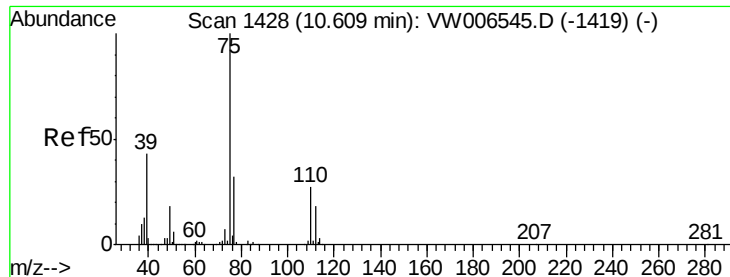
Tgt Ion: 92 Resp: 160753

Ion Ratio Lower Upper

92 100

91 174.1 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 23.273 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :

MSVOA_W

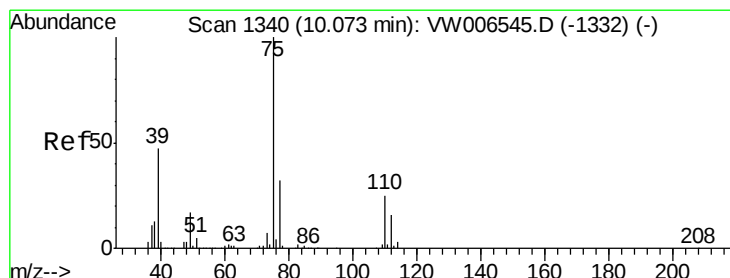
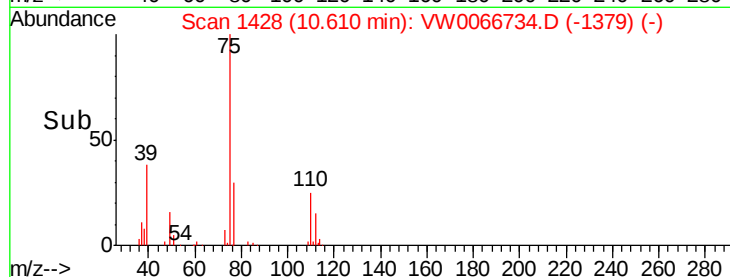
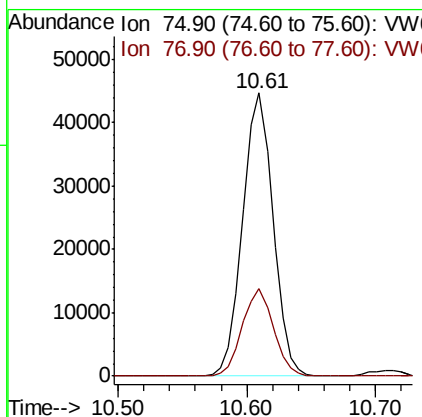
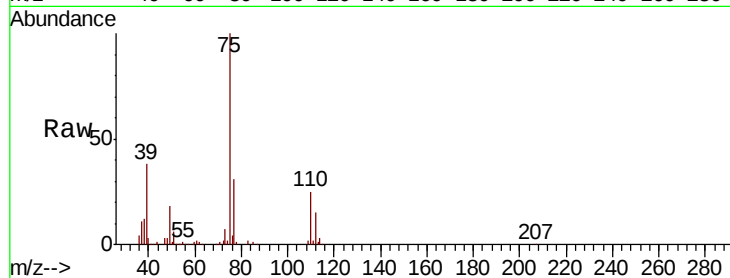
ClientSampleId :

Tot Ion: 75 Resp: 72810

Ion Ratio Lower Upper

75 100

77 30.8 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 23.284 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

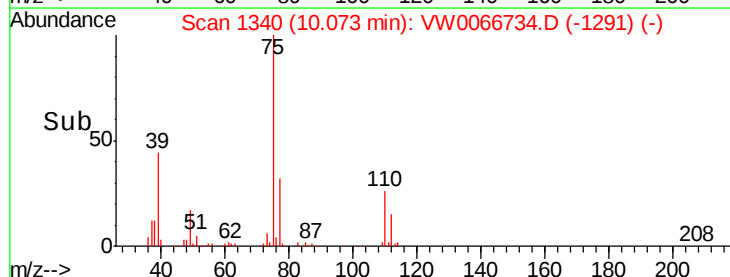
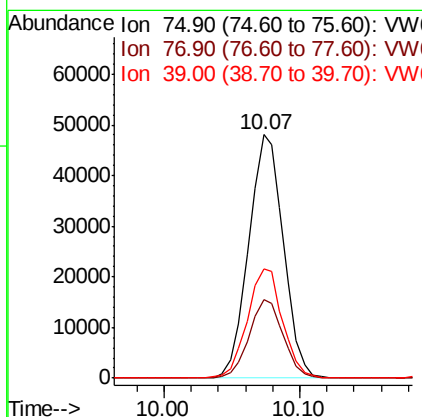
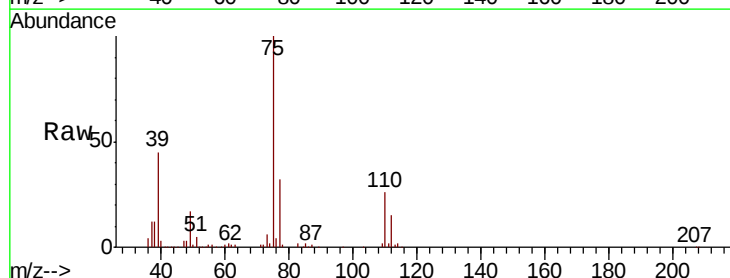
Tgt Ion: 75 Resp: 86079

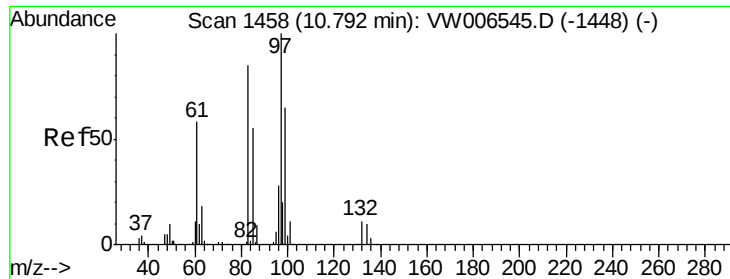
Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5

39 44.5 37.3 55.9

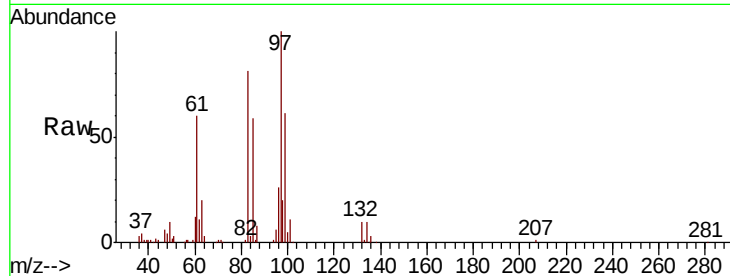




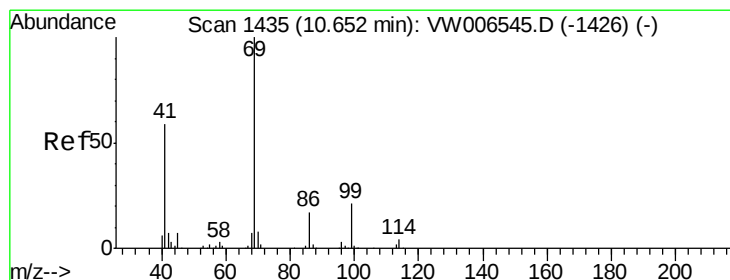
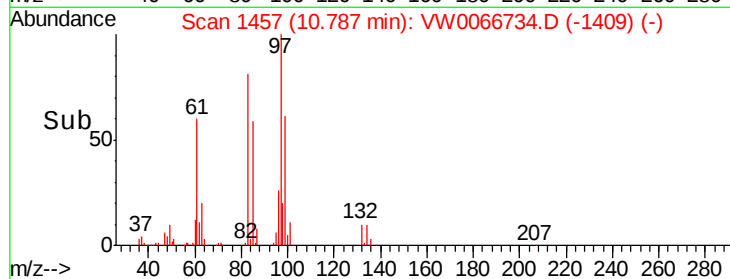
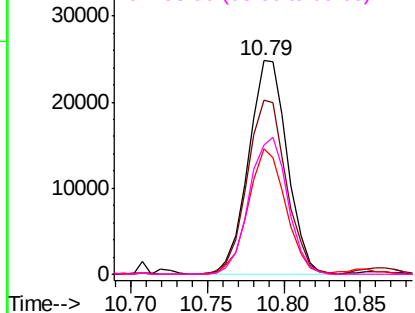
#55
 1,1,2-Trichloroethane
 Concen: 22.080 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW0066734.D
 Acq: 07 Nov 2018 14:24

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	43860
Ion	Ratio	Lower	Upper
97	100		
83	81.5	67.9	101.9
85	58.6	44.0	66.0
99	60.8	52.2	78.2

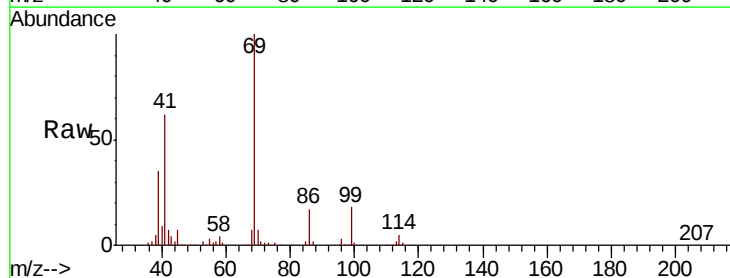


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

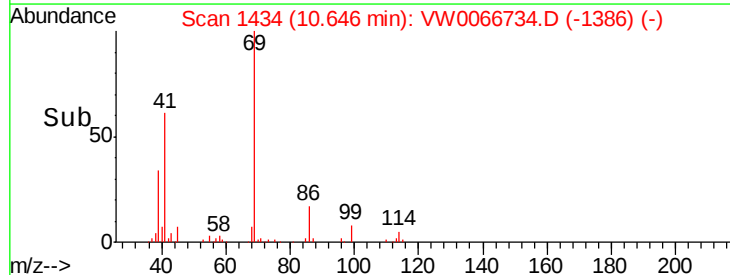
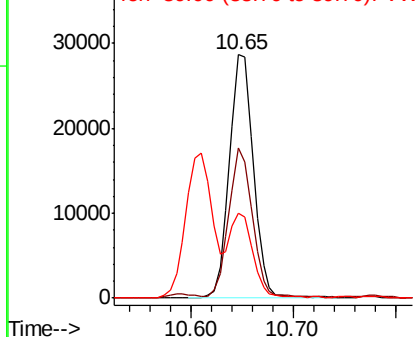


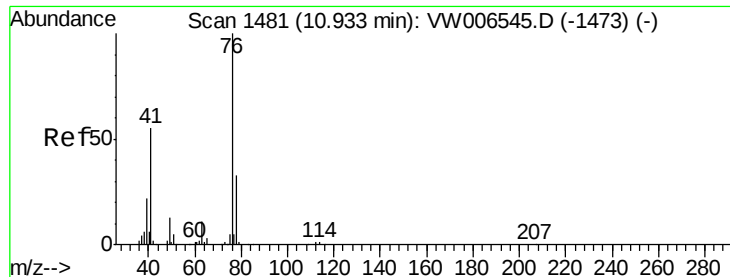
#56
 Ethyl methacrylate
 Concen: 20.758 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VW0066734.D
 Acq: 07 Nov 2018 14:24

Tgt Ion:	69	Resp:	46866
Ion	Ratio	Lower	Upper
69	100		
41	60.3	47.4	71.2
39	34.9	25.3	37.9



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

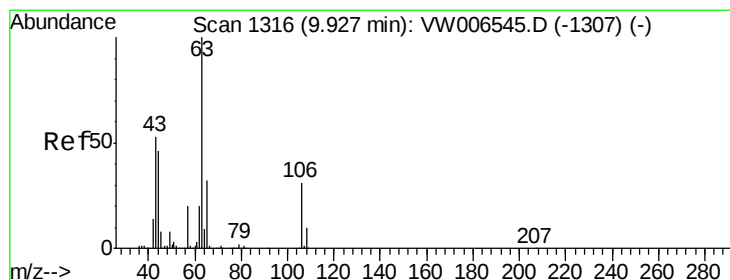
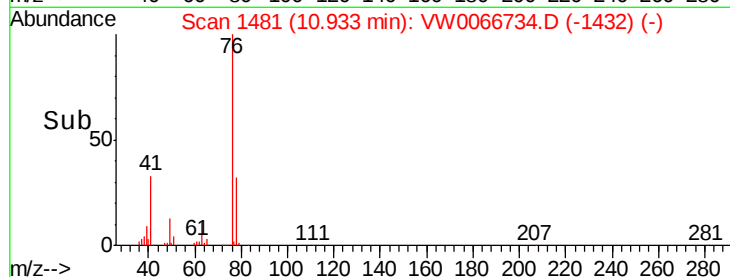
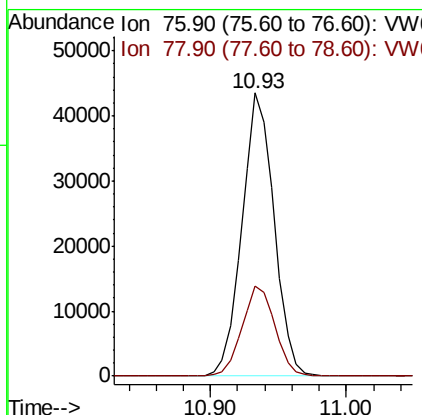
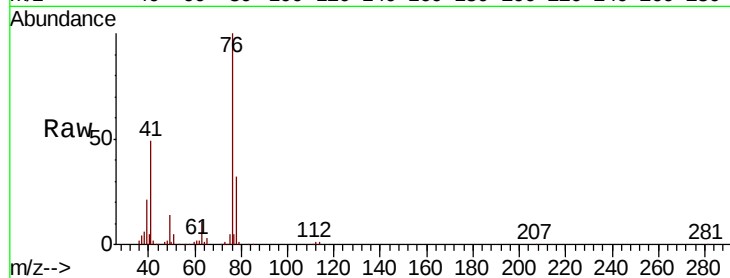




#57
 1,3-Dichloropropane
 Concen: 22.243 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW0066734.D
 Acq: 07 Nov 2018 14:24

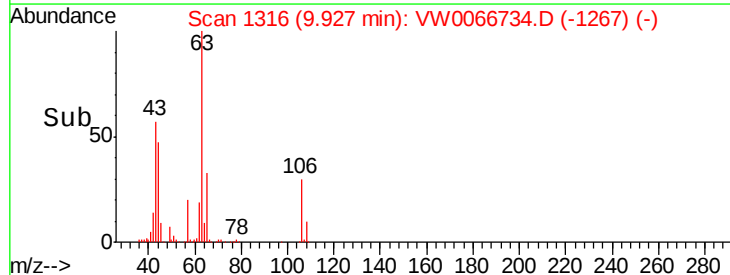
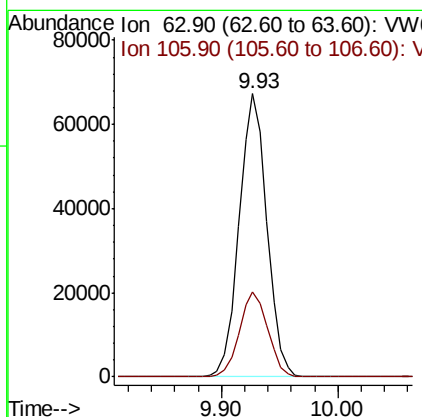
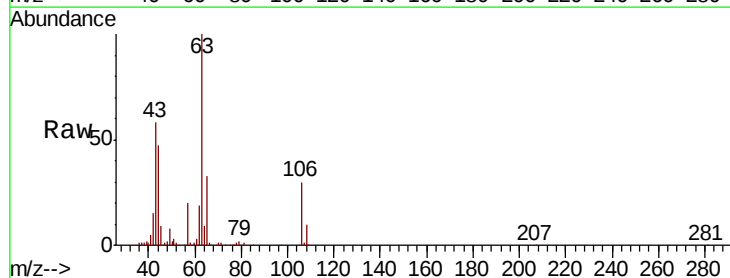
Instrument :
 MSVOA_W
 ClientSampled :

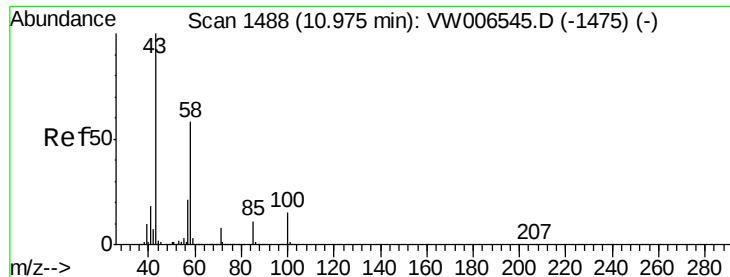
Tot Ion: 76 Resp: 71747
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.514 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW0066734.D
 Acq: 07 Nov 2018 14:24

Tgt Ion: 63 Resp: 111413
 Ion Ratio Lower Upper
 63 100
 106 30.7 25.4 38.2





#59

2-Hexanone

Concen: 119.193 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :

MSVOA_W

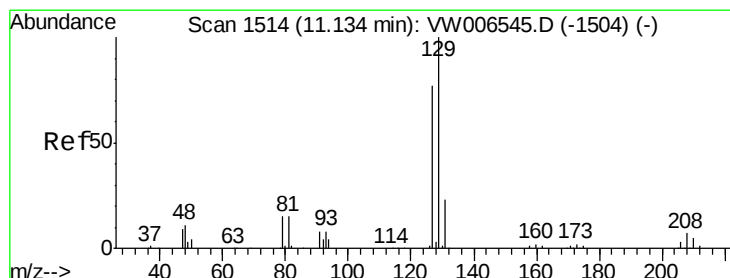
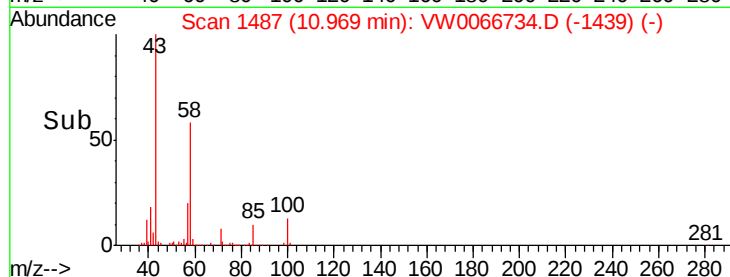
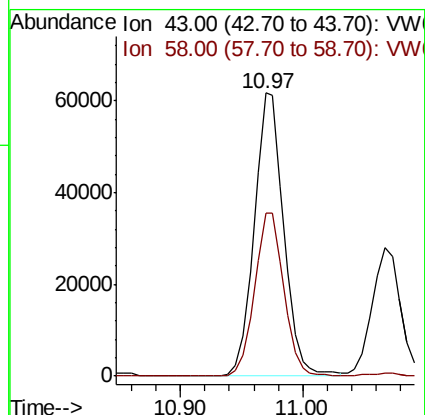
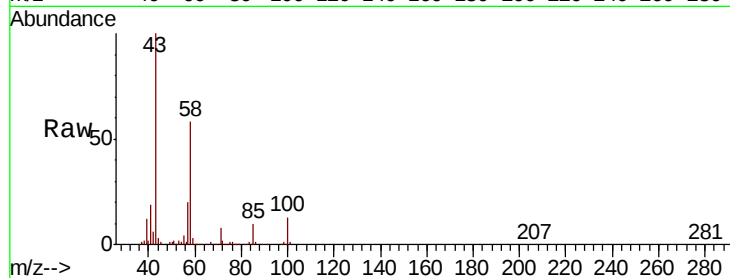
ClientSampleId :

Tot Ion: 43 Resp: 103592

Ion Ratio Lower Upper

43 100

58 57.2 28.8 86.4



#60

Dibromochloromethane

Concen: 22.486 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VW0066734.D

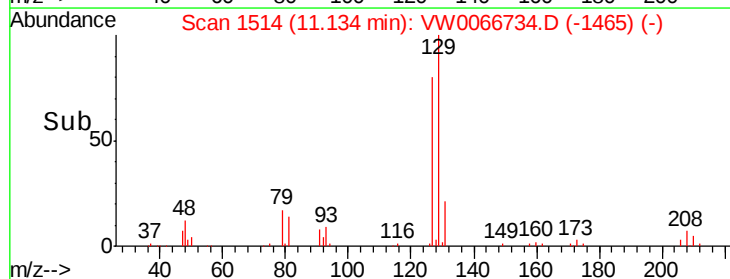
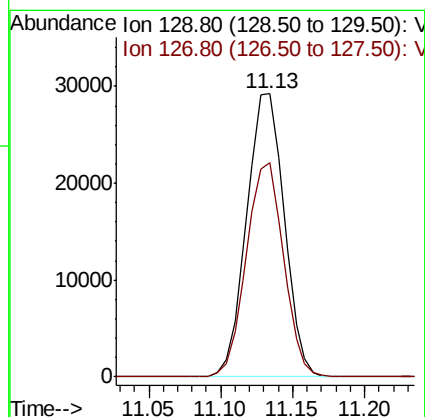
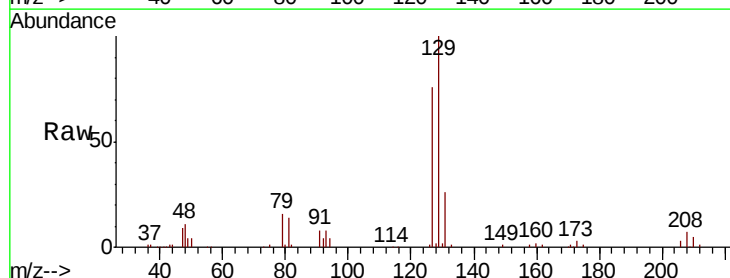
Acq: 07 Nov 2018 14:24

Tgt Ion:129 Resp: 52921

Ion Ratio Lower Upper

129 100

127 74.9 38.8 116.3





#61

1,2-Dibromoethane

Concen: 21.711 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :

MSVOA_W

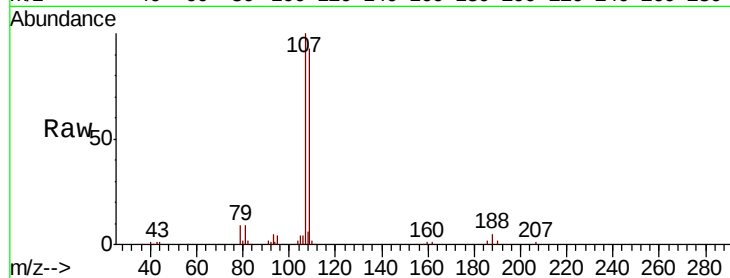
ClientSampled :

Tot Ion:107 Resp: 42827

Ion Ratio Lower Upper

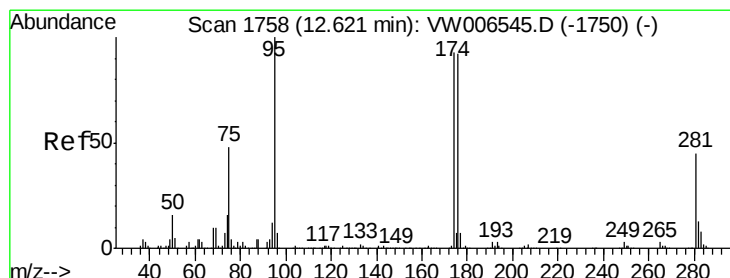
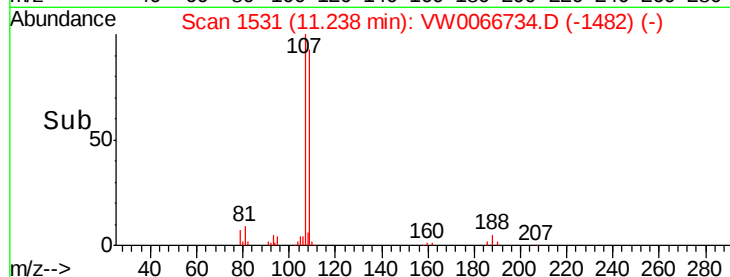
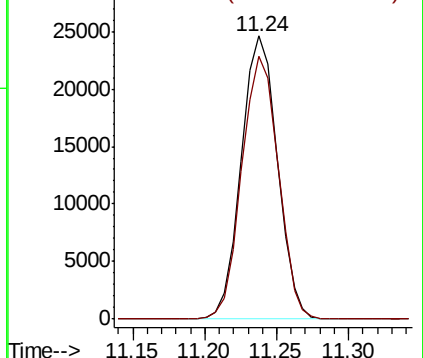
107 100

109 93.9 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.339 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

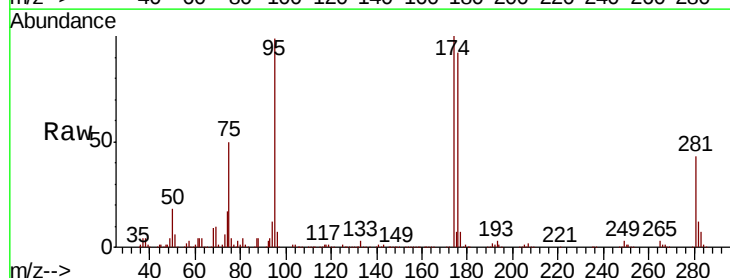
Tgt Ion: 95 Resp: 171540

Ion Ratio Lower Upper

95 100

174 100.0 0.0 192.4

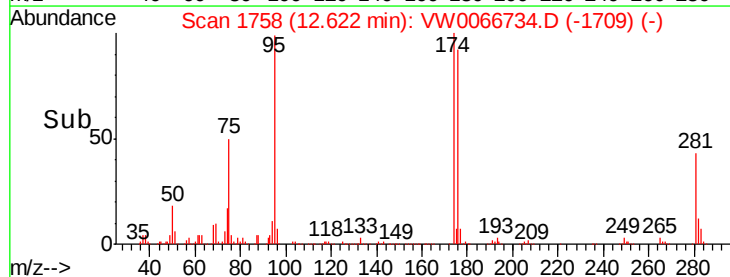
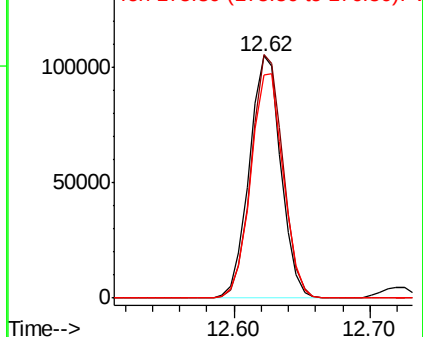
176 95.3 0.0 187.4

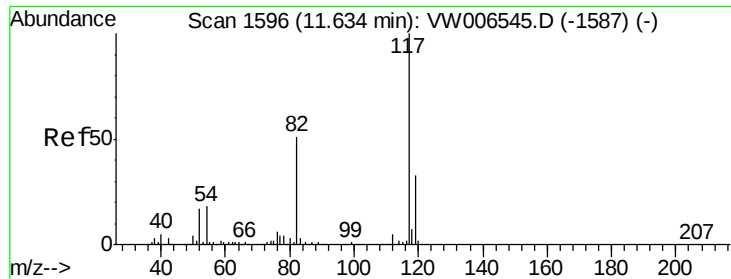


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

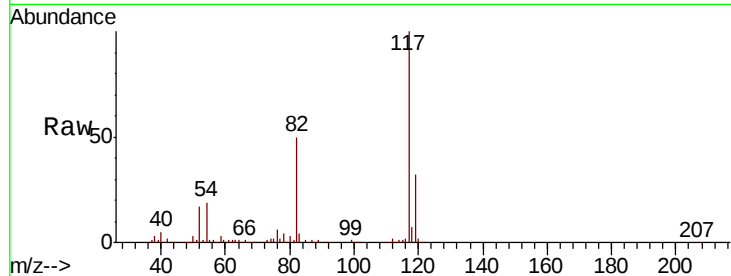




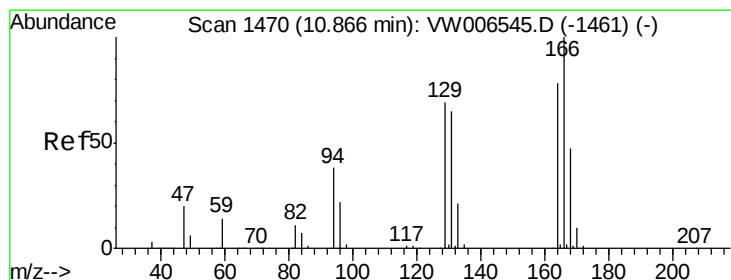
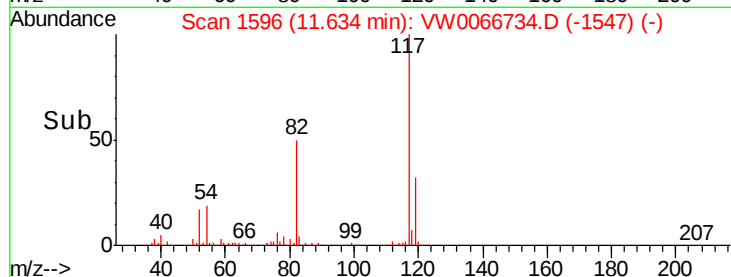
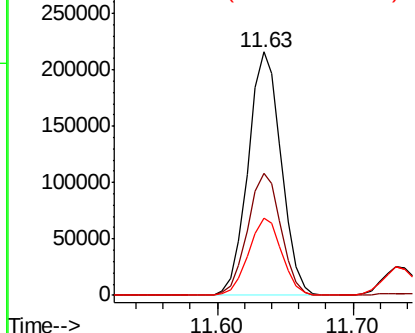
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 368058
Ion Ratio Lower Upper
117 100
82 50.2 40.8 61.2
119 31.8 26.1 39.1

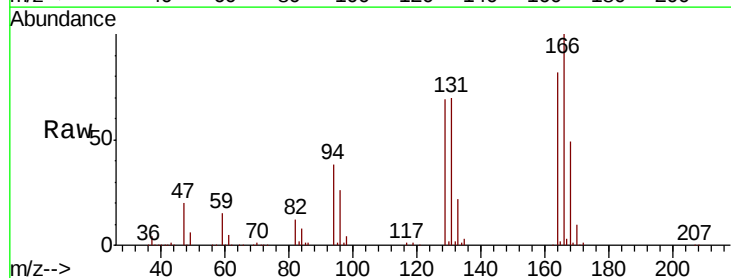


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

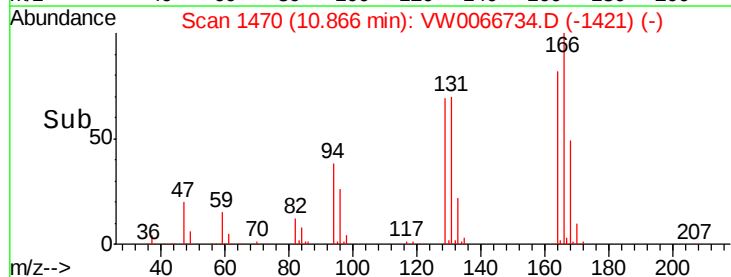
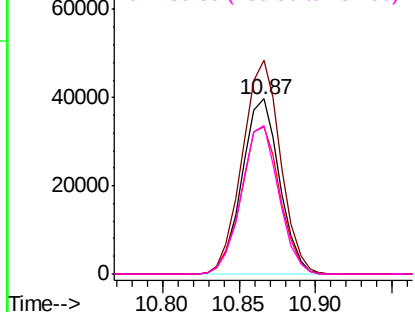


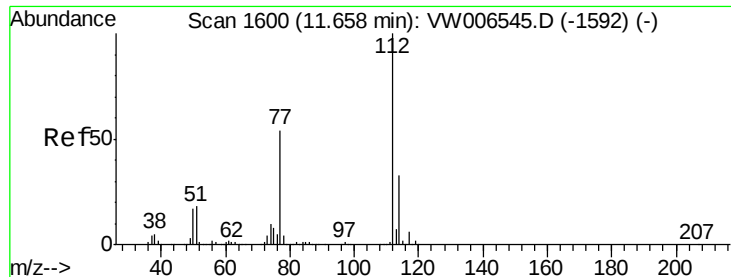
#64
Tetrachloroethene
Concen: 23.030 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

Tgt Ion:164 Resp: 67569
Ion Ratio Lower Upper
164 100
166 122.0 102.8 154.2
129 84.3 70.9 106.3
131 85.1 67.0 100.6



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

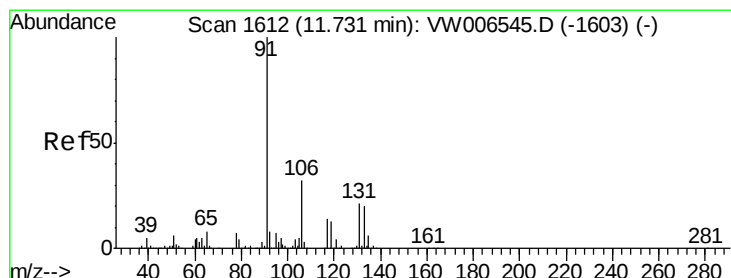
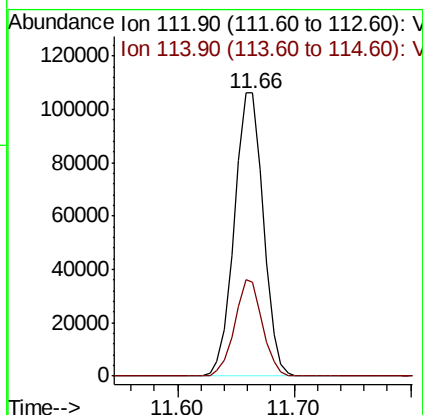
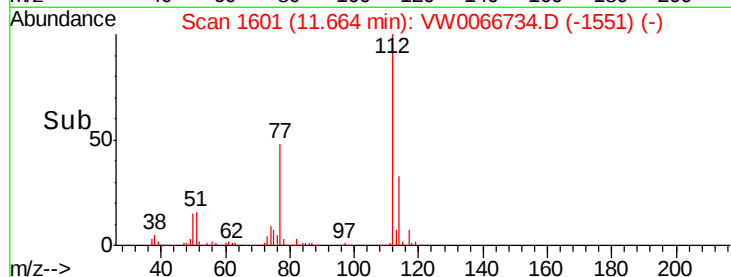
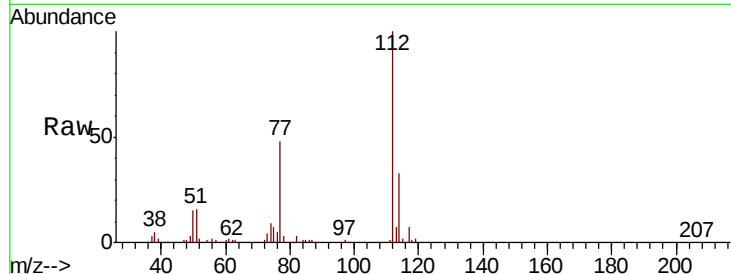




#65
Chlorobenzene
Concen: 23.825 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

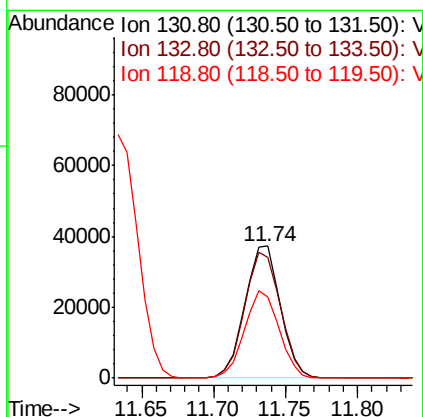
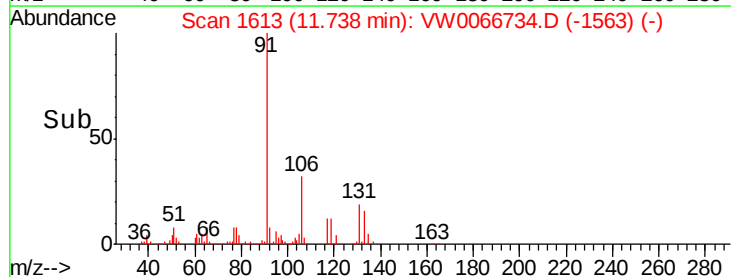
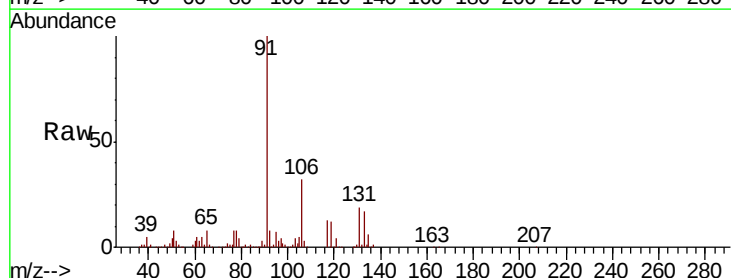
Instrument :
MSVOA_W
ClientSampleId :

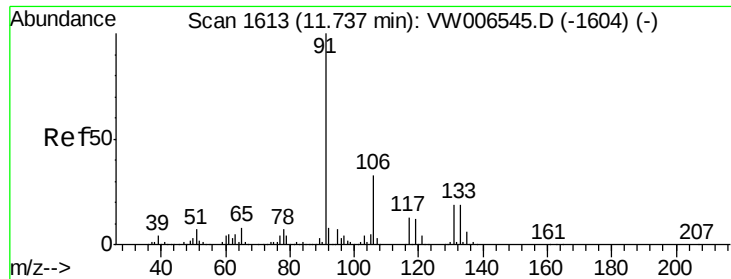
Tot Ion:112 Resp: 184524
Ion Ratio Lower Upper
112 100
114 33.1 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 23.286 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

Tgt Ion:131 Resp: 63390
Ion Ratio Lower Upper
131 100
133 96.5 47.5 142.5
119 64.8 31.9 95.5

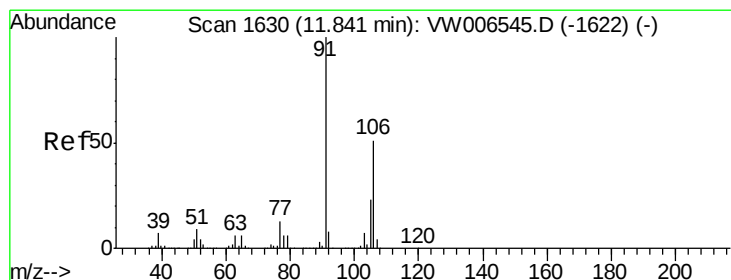
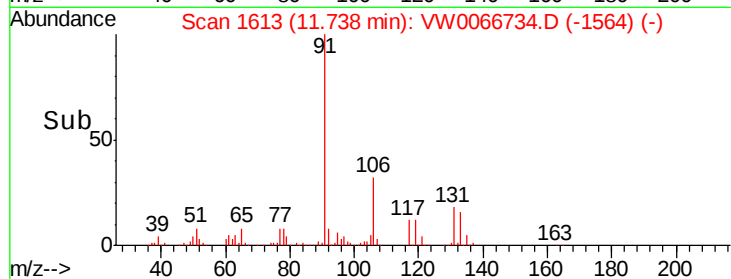
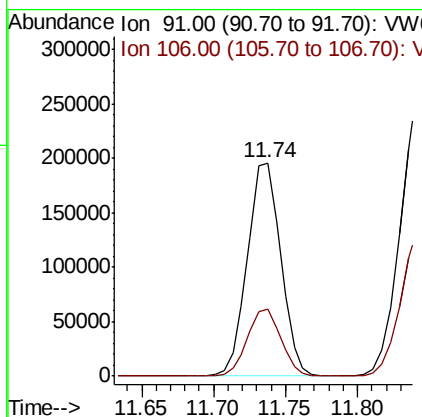
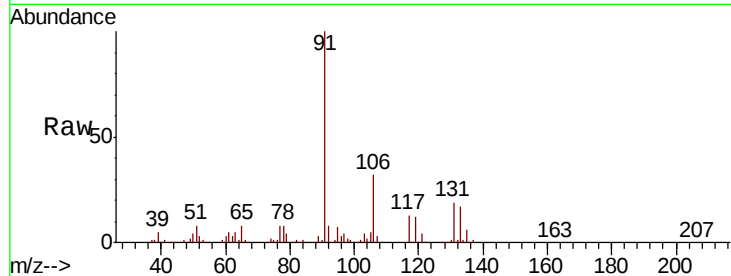




#67
Ethyl Benzene
Concen: 24.338 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

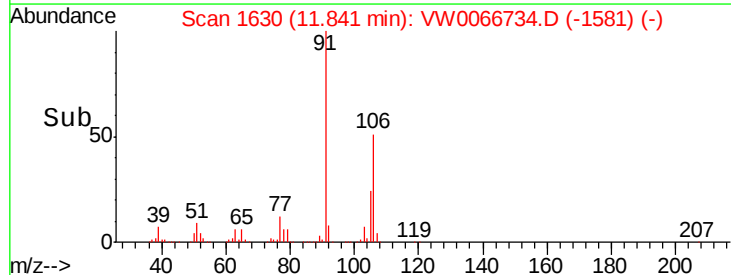
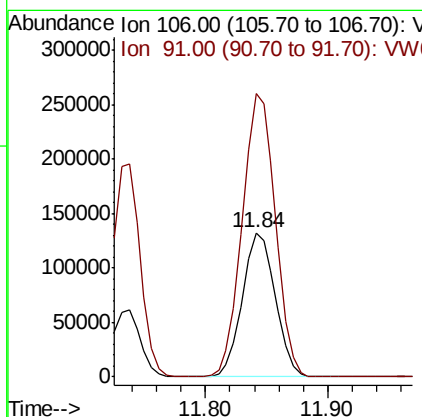
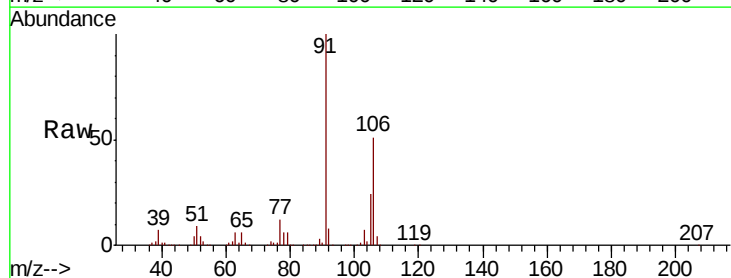
Instrument :
MSVOA_W
ClientSampleId :

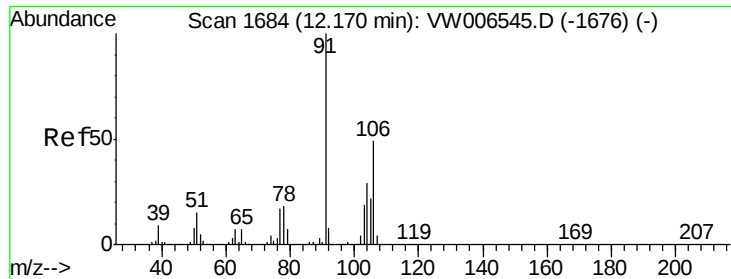
Tot Ion: 91 Resp: 315072
Ion Ratio Lower Upper
91 100
106 31.7 26.3 39.5



#68
m/p-Xylenes
Concen: 47.933 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

Tgt Ion: 106 Resp: 247911
Ion Ratio Lower Upper
106 100
91 197.5 156.7 235.1

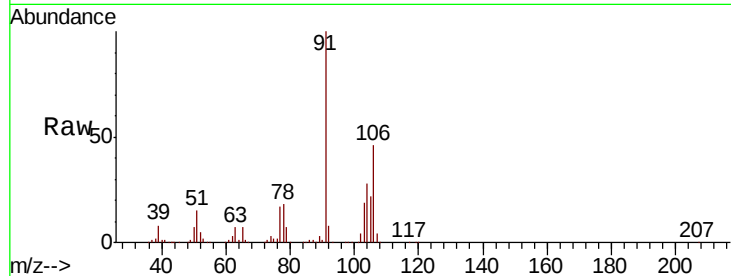




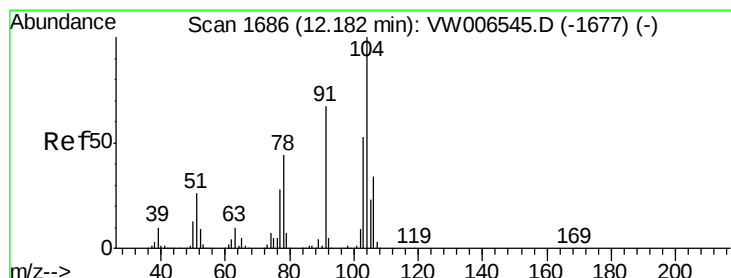
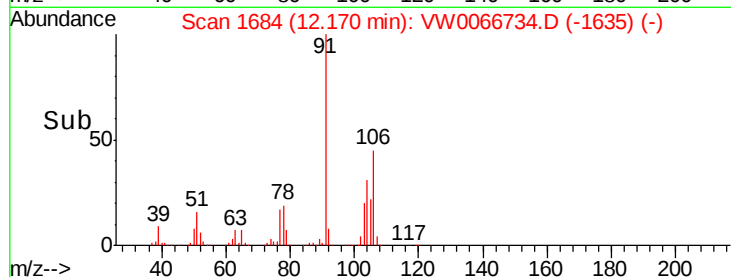
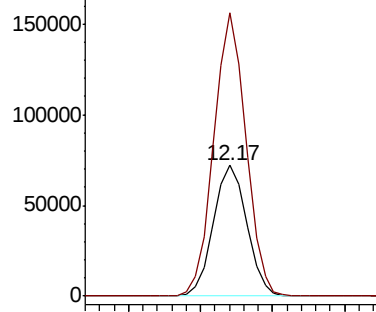
#69
o-Xylene
Concen: 23.535 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 115884
Ion Ratio Lower Upper
106 100
91 207.9 102.8 308.4

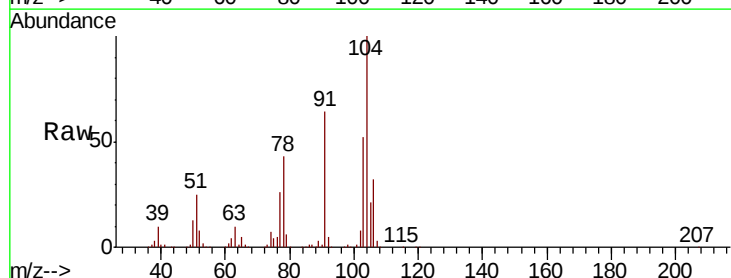


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

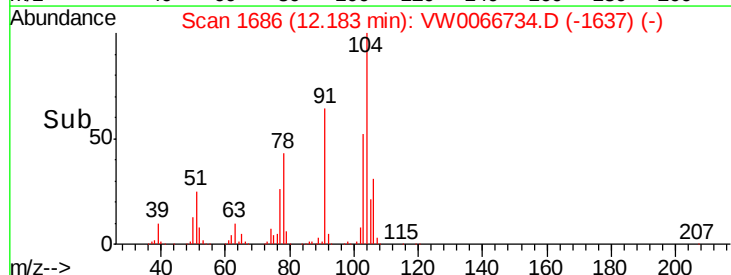
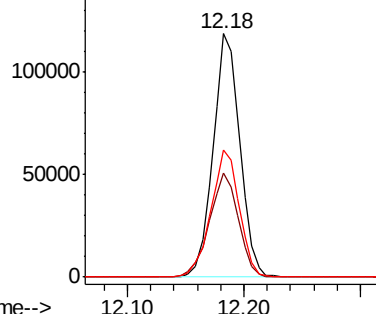


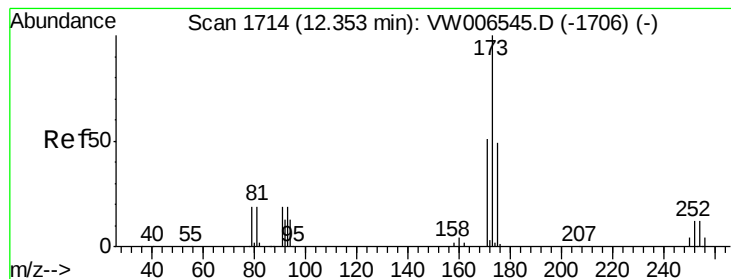
#70
Styrene
Concen: 23.683 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

Tgt Ion:104 Resp: 190116
Ion Ratio Lower Upper
104 100
78 46.3 37.2 55.8
103 55.4 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 22.376 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :

MSVOA_W

ClientSampleId :

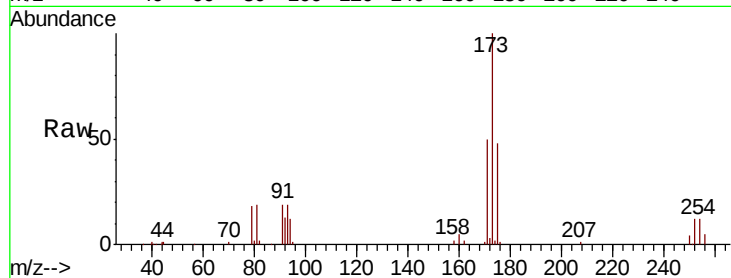
Tot Ion:173 Resp: 32289

Ion Ratio Lower Upper

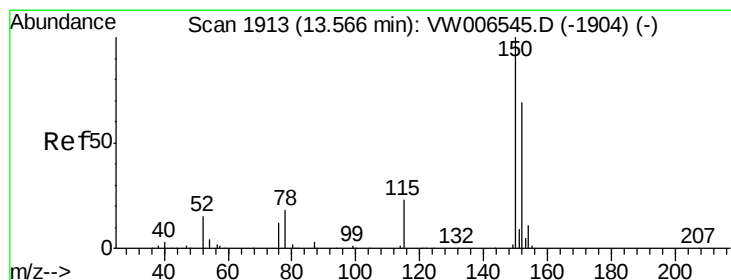
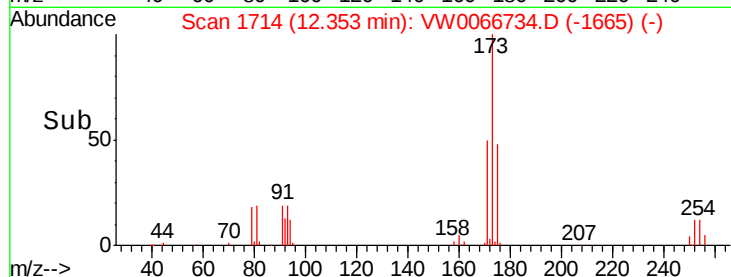
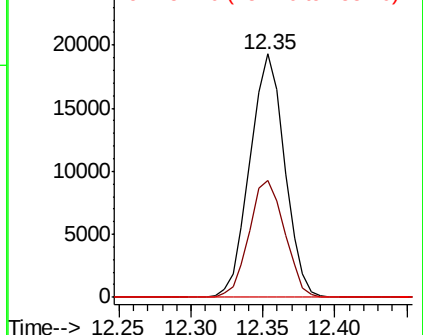
173 100

175 49.0 24.1 72.4

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

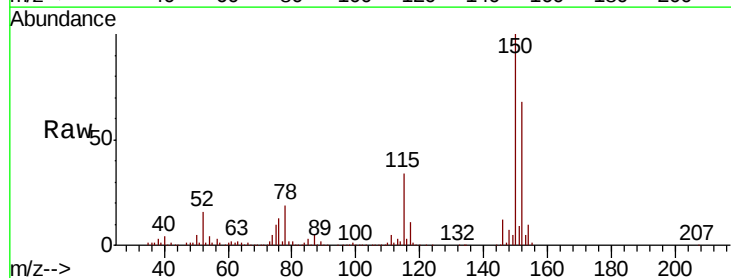
Tgt Ion:152 Resp: 213597

Ion Ratio Lower Upper

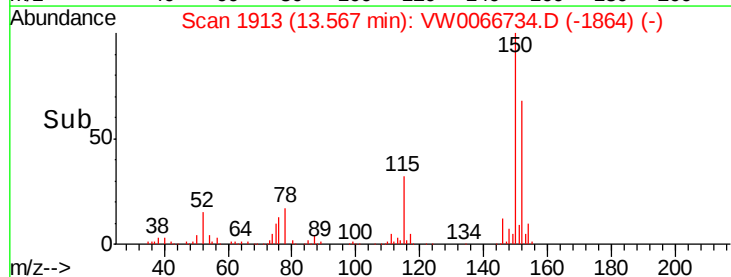
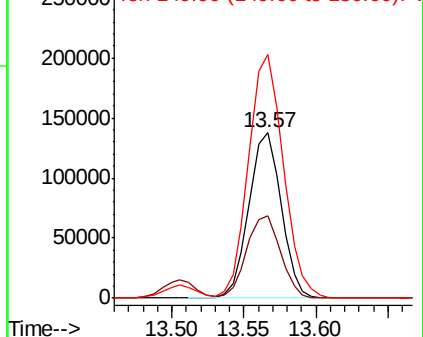
152 100

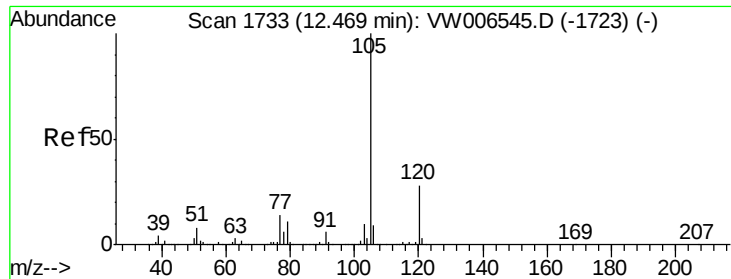
115 52.3 26.6 79.8

150 158.6 0.0 344.6



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

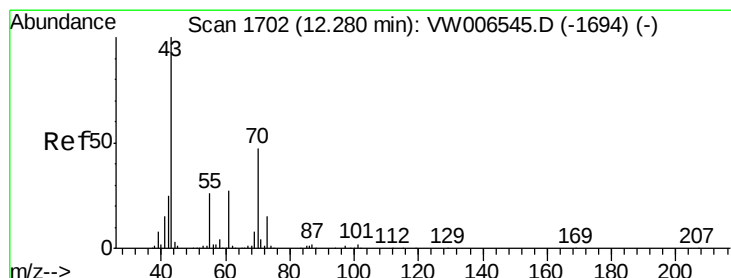
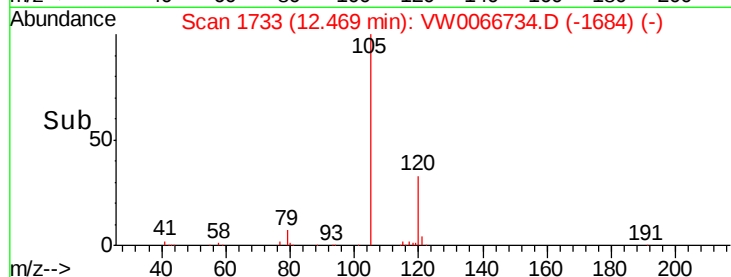
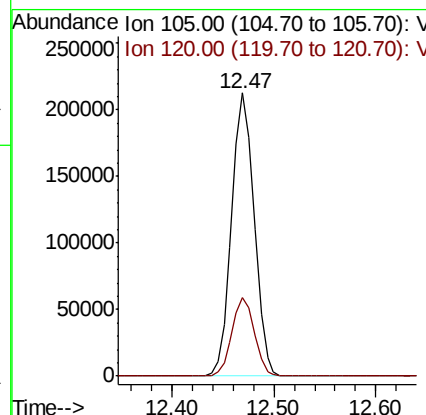
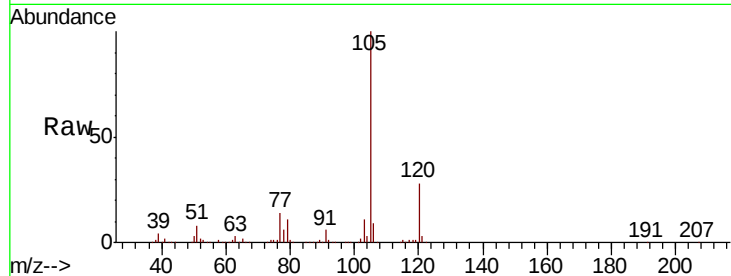




#73
Isopropylbenzene
Concen: 23.141 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

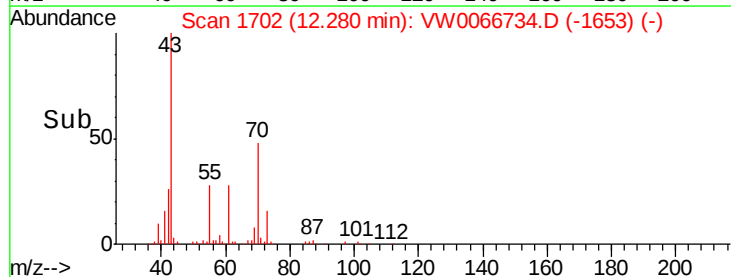
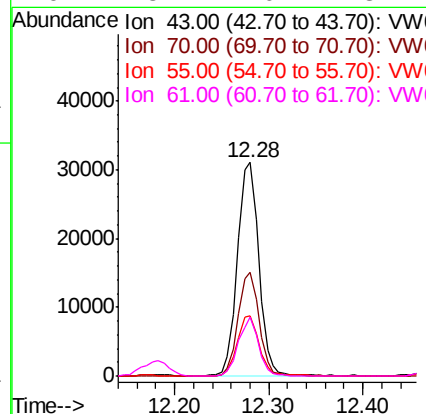
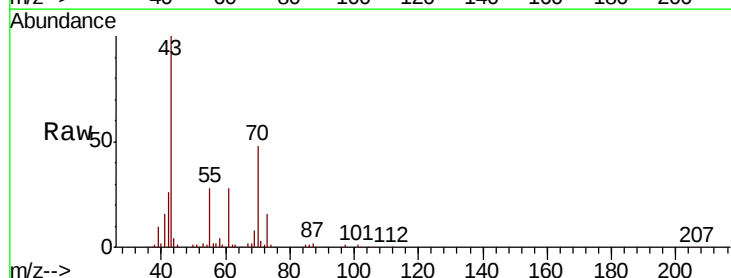
Instrument :
MSVOA_W
ClientSampled :

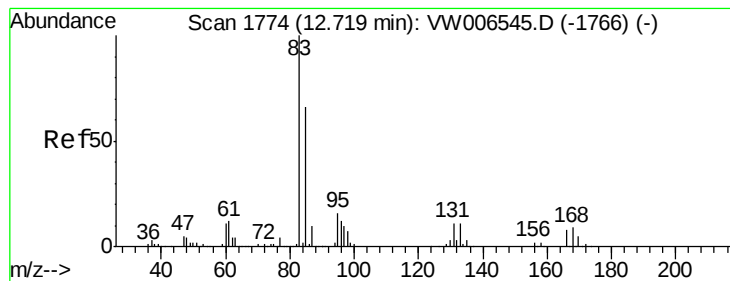
Tot Ion: 105 Resp: 325616
Ion Ratio Lower Upper
105 100
120 27.4 13.7 41.1



#74
N-ethyl acetate
Concen: 20.292 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.00 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

Tgt Ion: 43 Resp: 49340
Ion Ratio Lower Upper
43 100
70 47.2 36.9 55.3
55 28.7 20.7 31.1
61 25.7 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.581 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :

MSVOA_W

ClientSampleId :

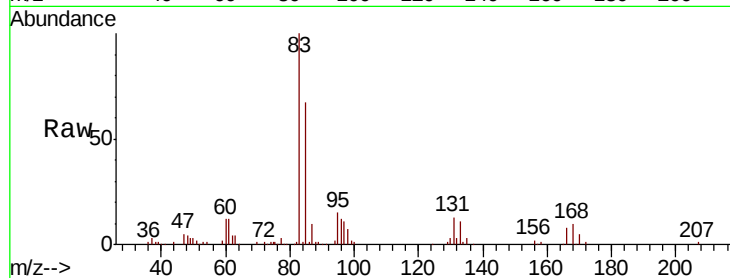
Tot Ion: 83 Resp: 47960

Ion Ratio Lower Upper

83 100

131 12.4 5.9 17.7

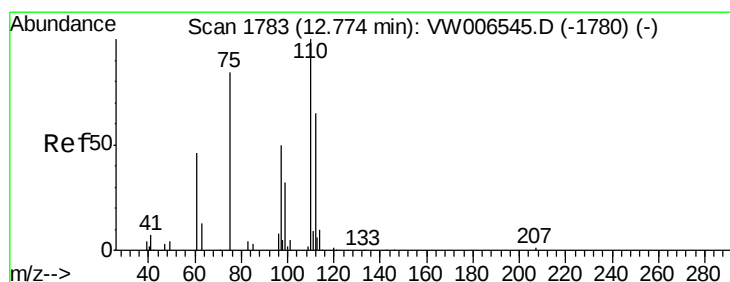
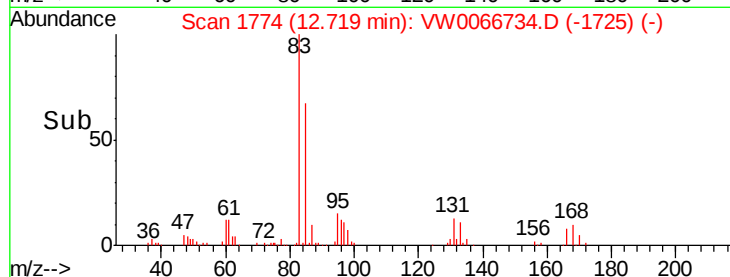
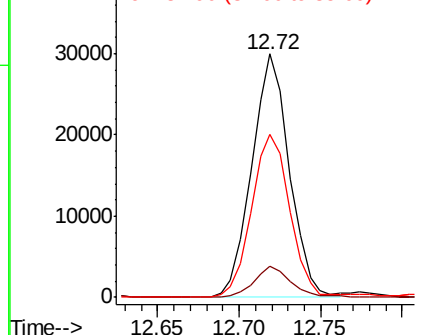
85 68.1 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 37.210 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW0066734.D

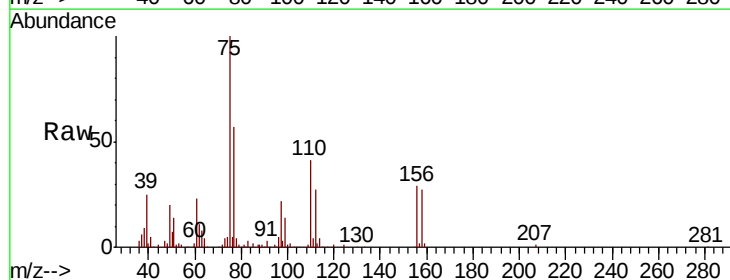
Acq: 07 Nov 2018 14:24

Tgt Ion: 75 Resp: 62012

Ion Ratio Lower Upper

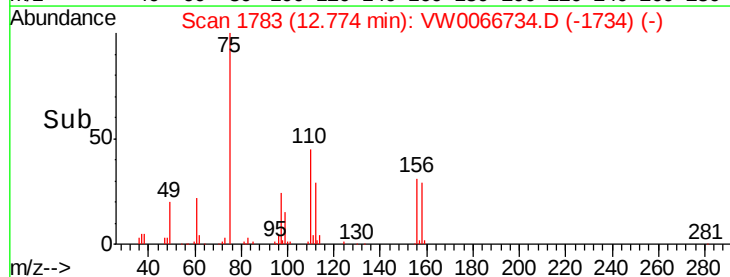
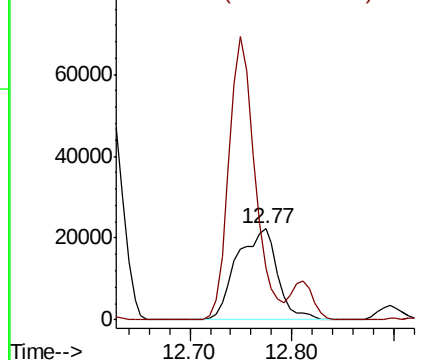
75 100

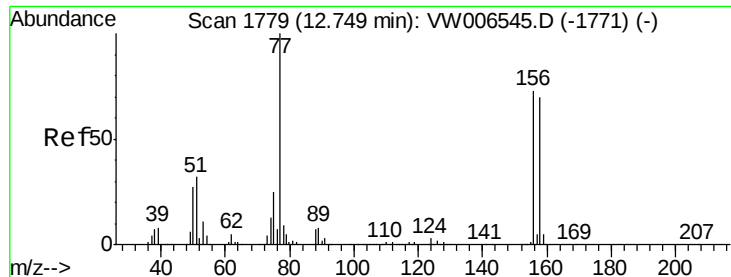
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 22.252 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :

MSVOA_W

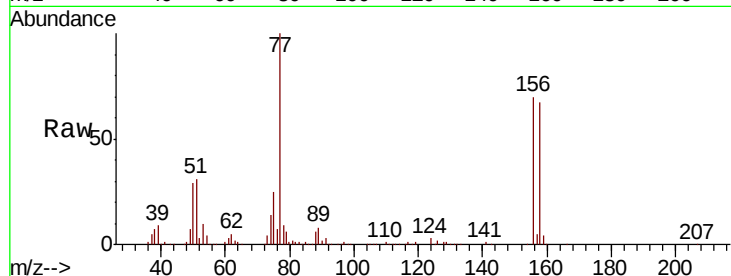
ClientSampled :

Tot Ion:156 Resp: 81066

Ion	Ratio	Lower	Upper
156	100		
77	152.4	75.9	227.8
158	96.3	48.6	145.9

77 152.4 75.9 227.8

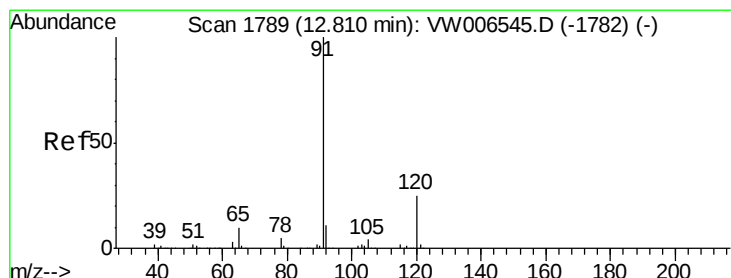
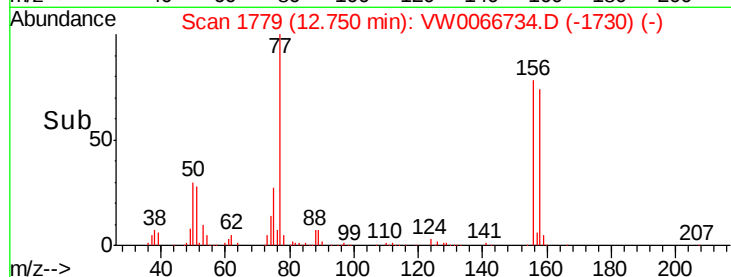
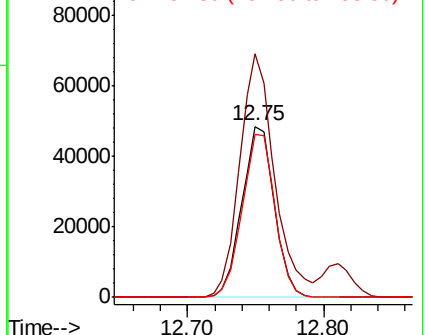
158 96.3 48.6 145.9



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: 23.480 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW0066734.D

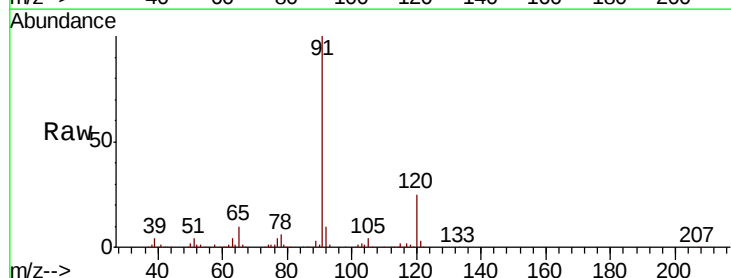
Acq: 07 Nov 2018 14:24

Tgt Ion: 91 Resp: 380010

Ion	Ratio	Lower	Upper
91	100		
120	25.4	12.4	37.0

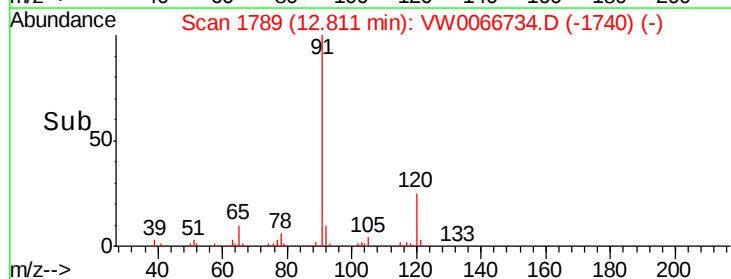
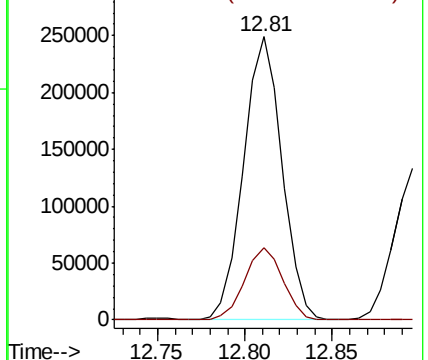
91 100

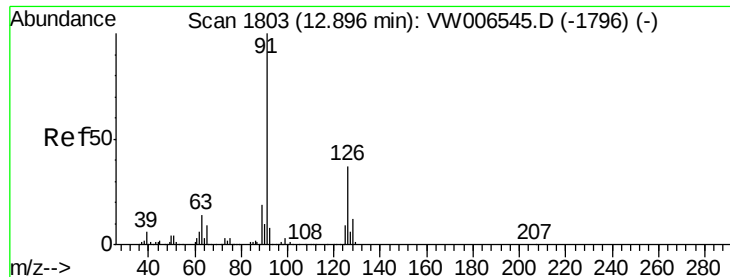
120 25.4 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.281 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :

MSVOA_W

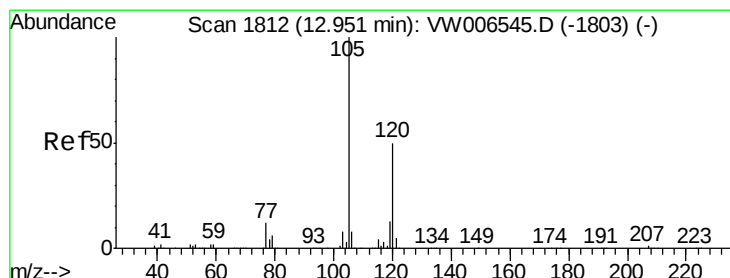
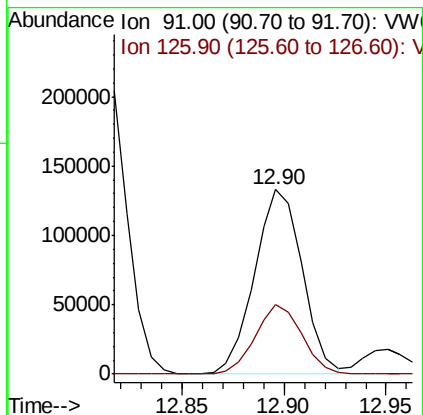
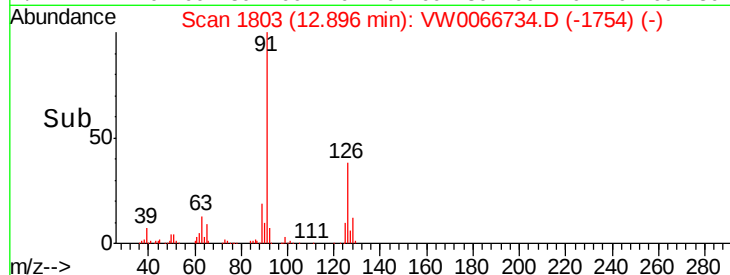
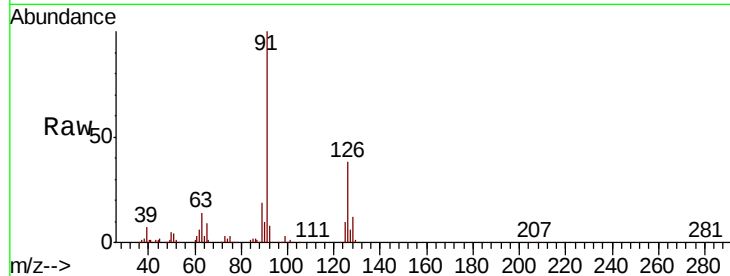
ClientSampleId :

Tot Ion: 91 Resp: 216242

Ion Ratio Lower Upper

91 100

126 36.9 18.5 55.5



#80

1,3,5-Trimethylbenzene

Concen: 23.538 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW0066734.D

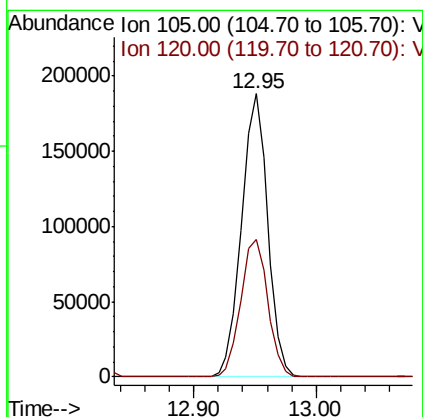
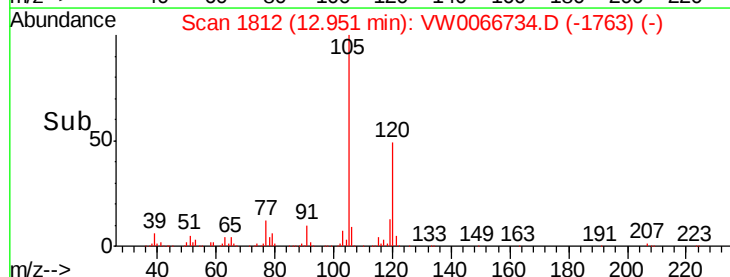
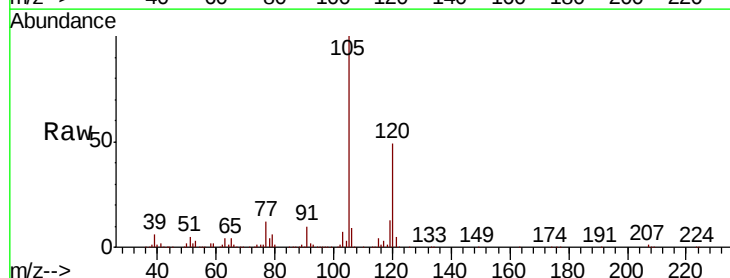
Acq: 07 Nov 2018 14:24

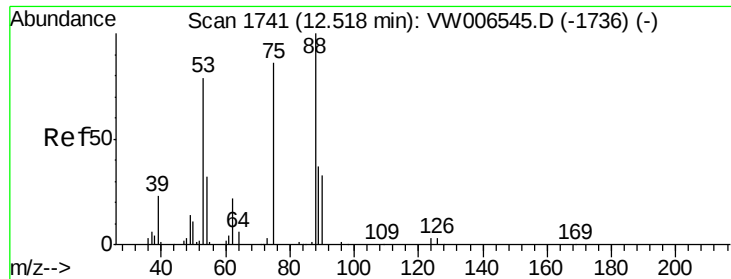
Tgt Ion:105 Resp: 278251

Ion Ratio Lower Upper

105 100

120 50.6 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 21.705 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :

MSVOA_W

ClientSampleId :

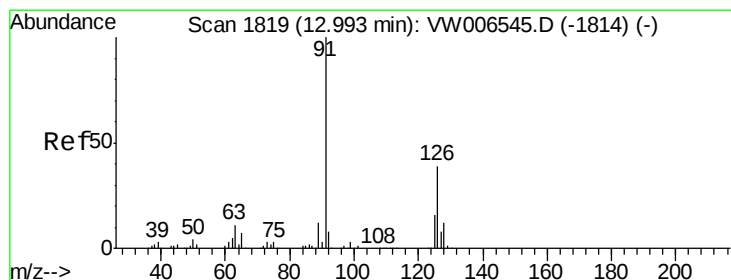
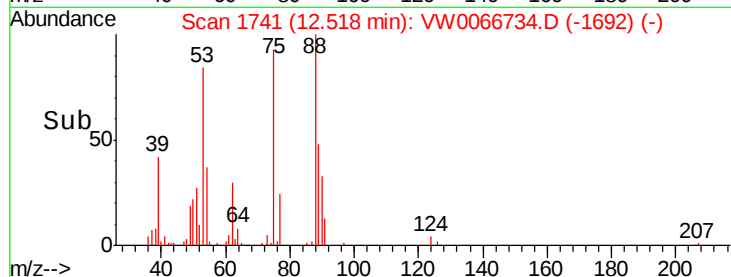
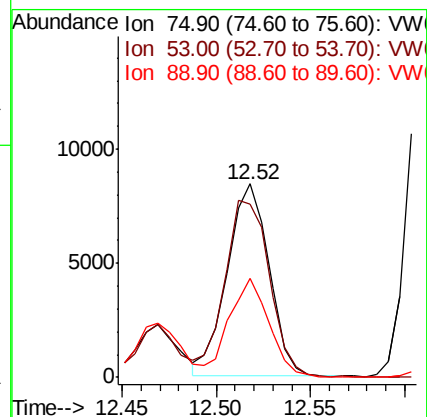
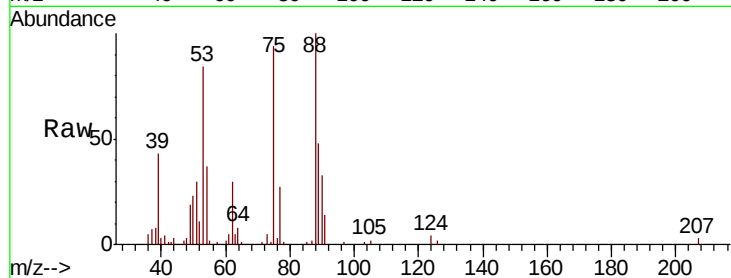
Tot Ion: 75 Resp: 12944

Ion Ratio Lower Upper

75 100

53 99.7 77.2 115.8

89 48.9 38.6 58.0



#82

4-Chlorotoluene

Concen: 22.728 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW0066734.D

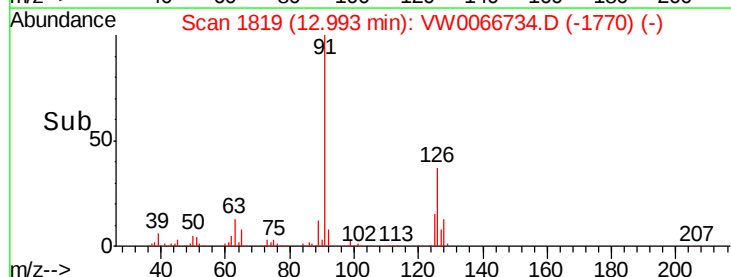
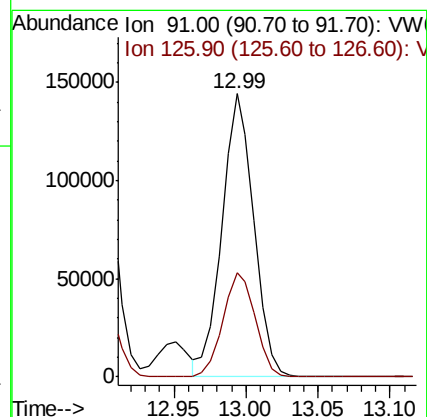
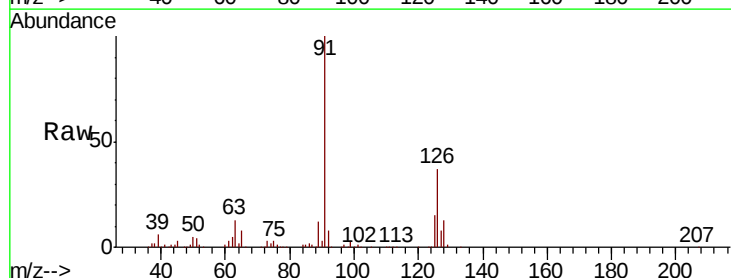
Acq: 07 Nov 2018 14:24

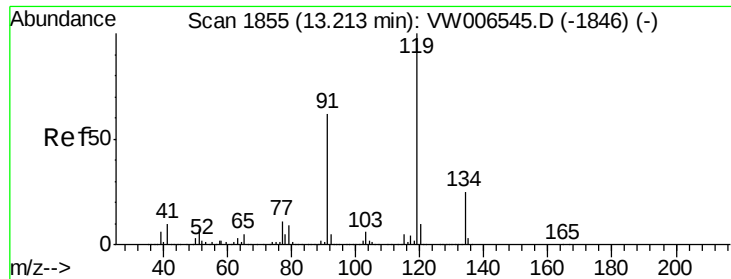
Tgt Ion: 91 Resp: 223341

Ion Ratio Lower Upper

91 100

126 37.3 18.5 55.5

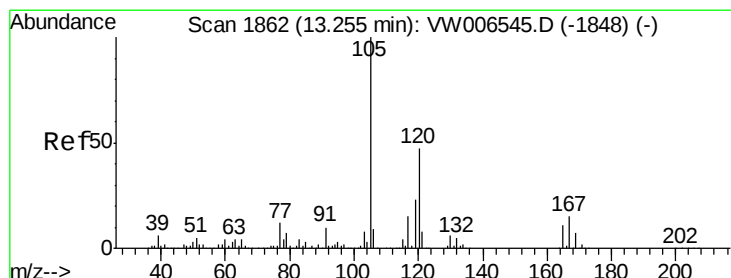
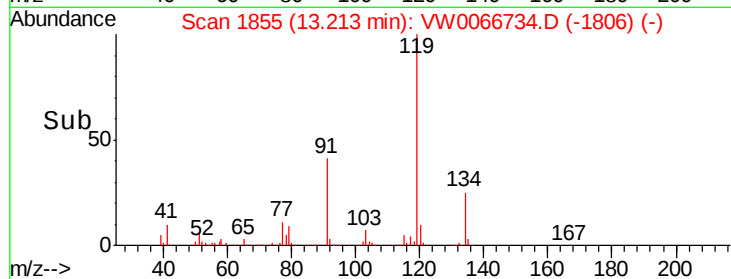
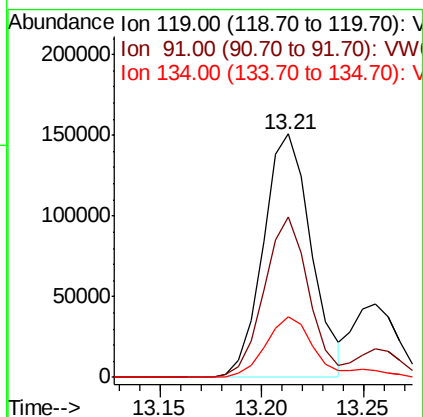
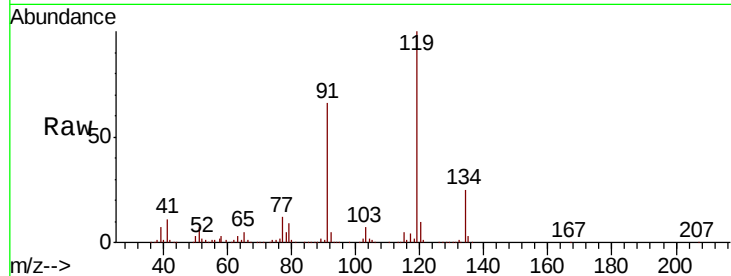




#83
tert-Butylbenzene
Concen: 23.441 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

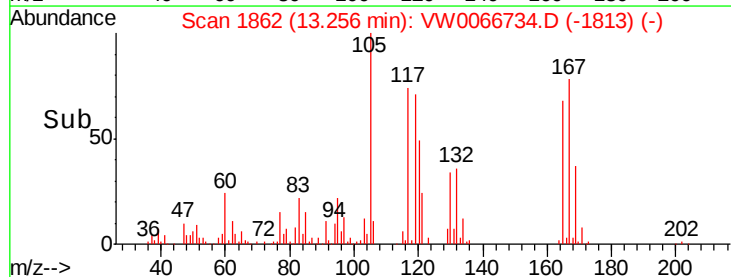
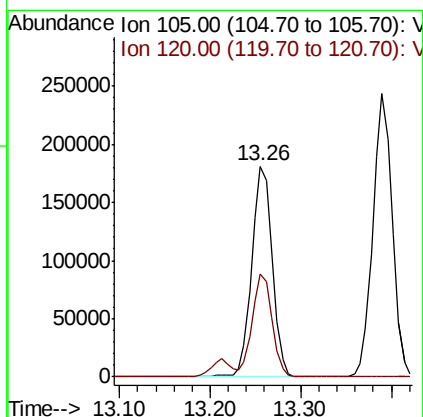
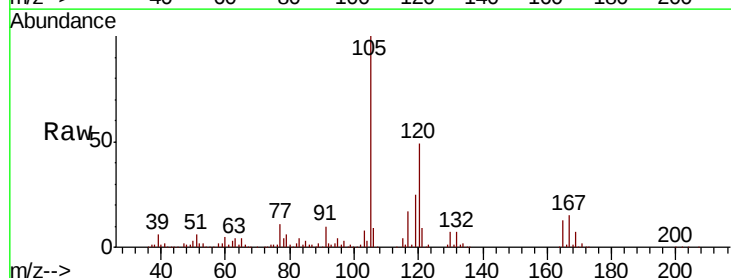
Instrument :
MSVOA_W
ClientSampleId :

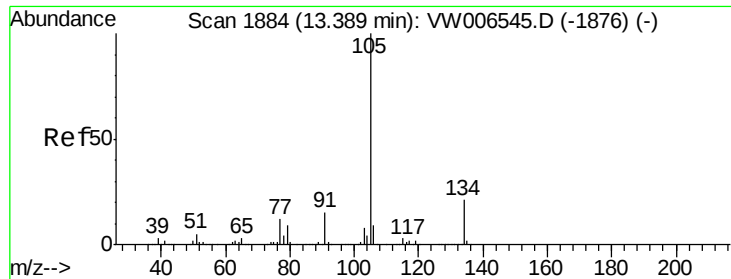
Tot Ion:119 Resp: 247110
Ion Ratio Lower Upper
119 100
91 61.4 30.4 91.3
134 24.5 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 23.424 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

Tgt Ion:105 Resp: 284020
Ion Ratio Lower Upper
105 100
120 47.0 23.2 69.6





#85

sec-Butylbenzene

Concen: 24.398 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :

MSVOA_W

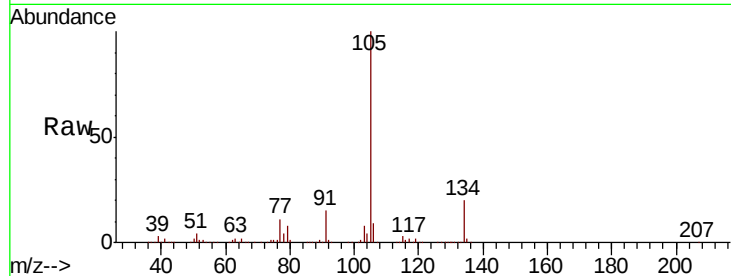
ClientSampled :

Tot Ion:105 Resp: 360217

Ion Ratio Lower Upper

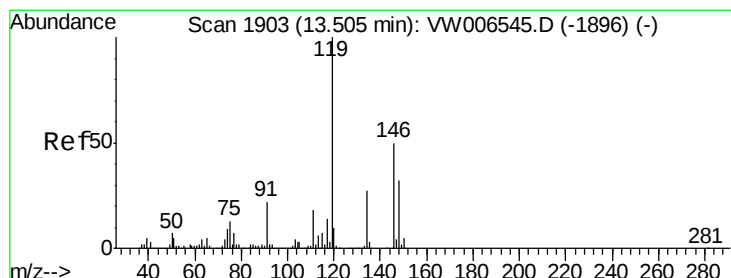
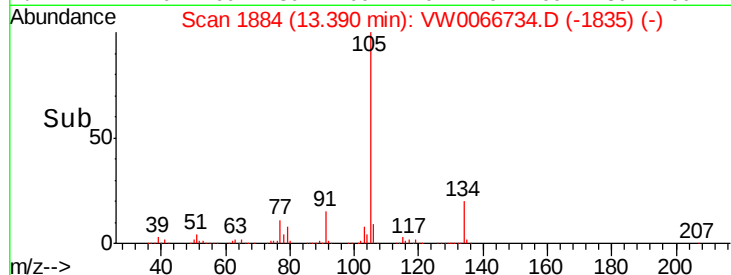
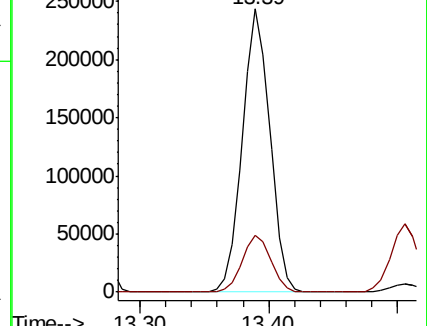
105 100

134 20.7 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 24.402 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

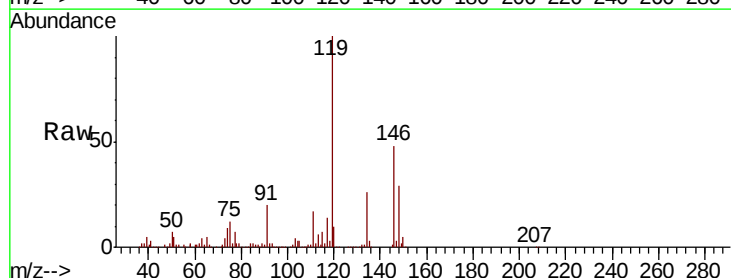
Tgt Ion:119 Resp: 327825

Ion Ratio Lower Upper

119 100

134 26.4 13.6 40.7

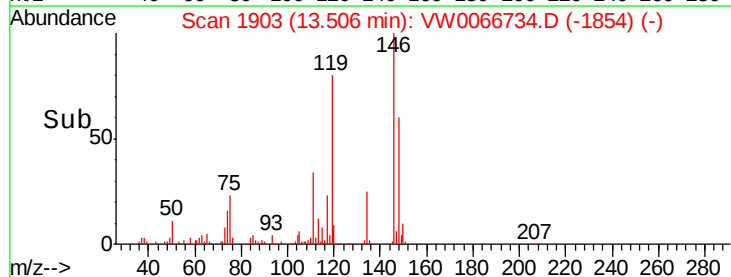
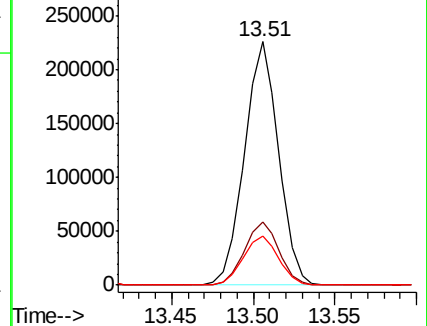
91 21.0 10.9 32.6

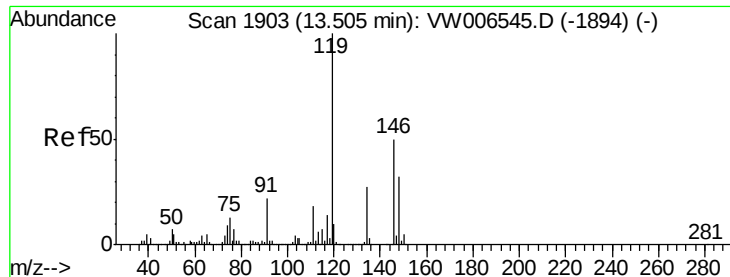


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 23.562 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :

MSVOA_W

ClientSampled :

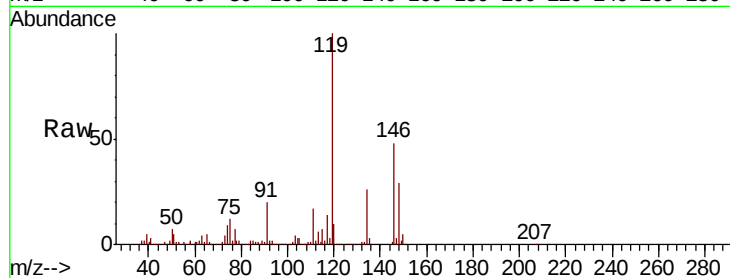
Tot Ion:146 Resp: 169051

Ion Ratio Lower Upper

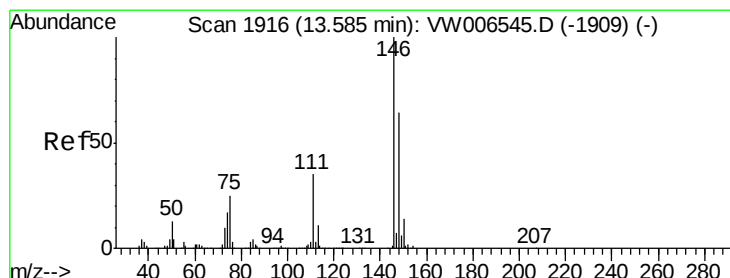
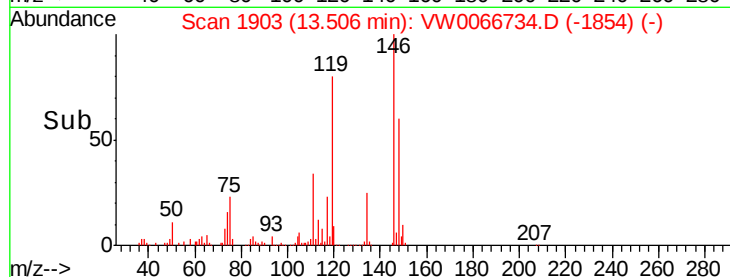
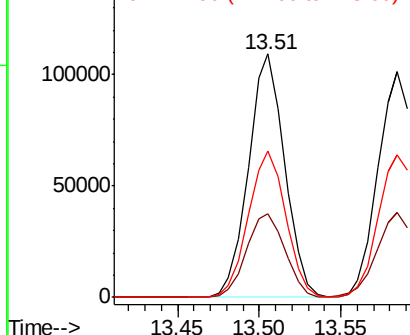
146 100

111 36.6 18.6 55.6

148 62.1 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 23.024 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

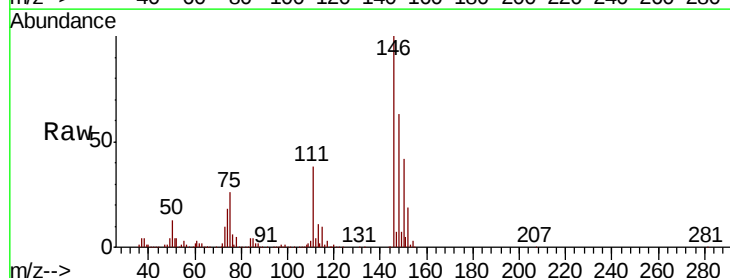
Tgt Ion:146 Resp: 163740

Ion Ratio Lower Upper

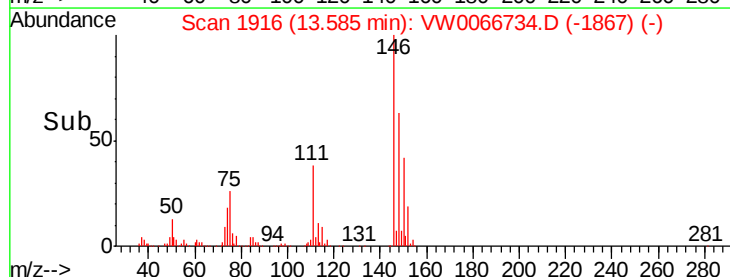
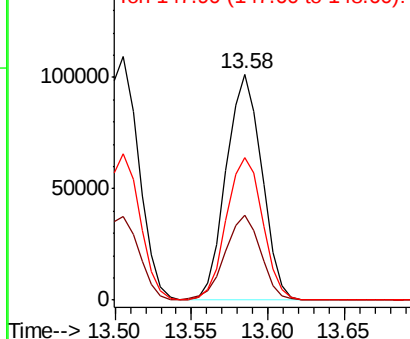
146 100

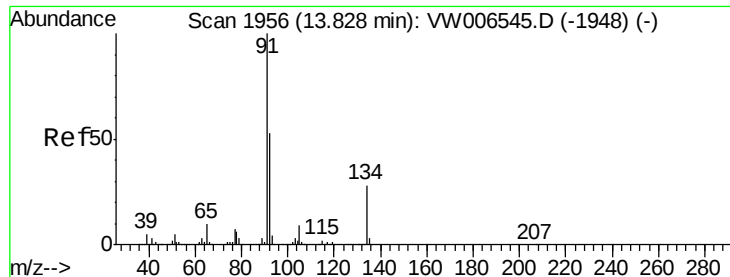
111 37.8 17.9 53.7

148 64.3 32.1 96.5



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





#89

n-Butylbenzene

Concen: 24.738 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :

MSVOA_W

ClientSampled :

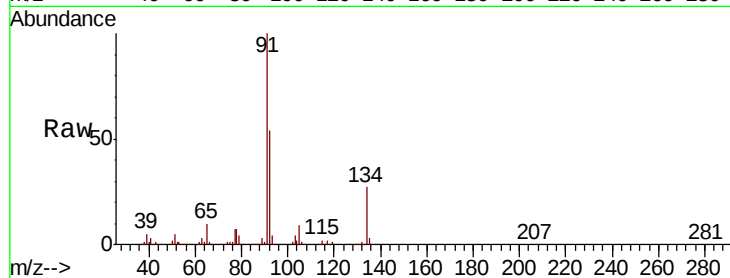
Tot Ion: 91 Resp: 295019

Ion Ratio Lower Upper

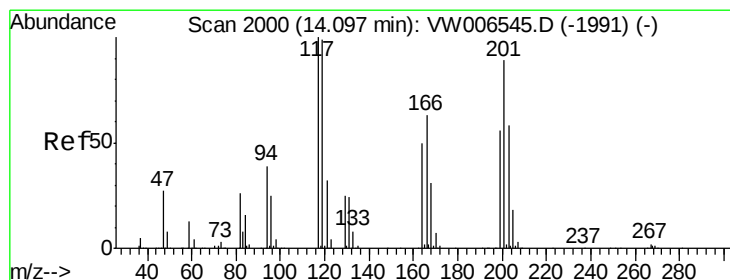
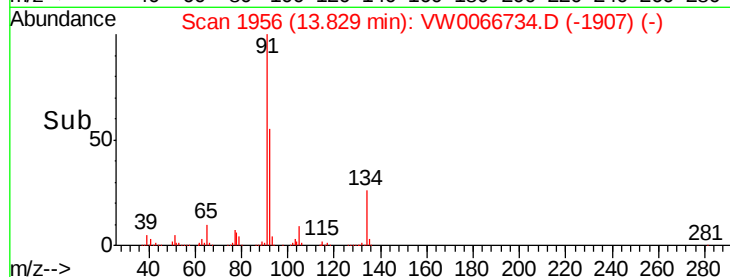
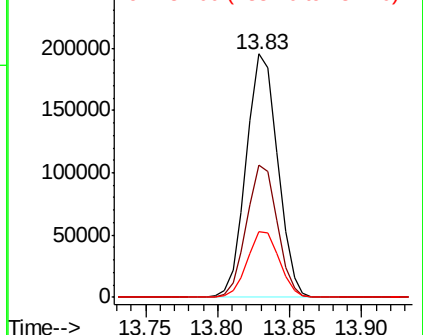
91 100

92 53.0 26.4 79.0

134 27.4 14.3 42.9



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



#90

Hexachloroethane

Concen: 24.026 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW0066734.D

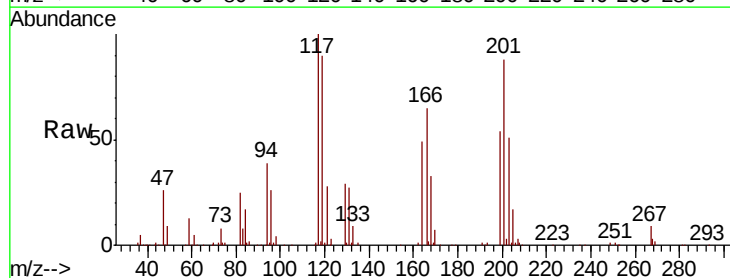
Acq: 07 Nov 2018 14:24

Tgt Ion: 117 Resp: 53049

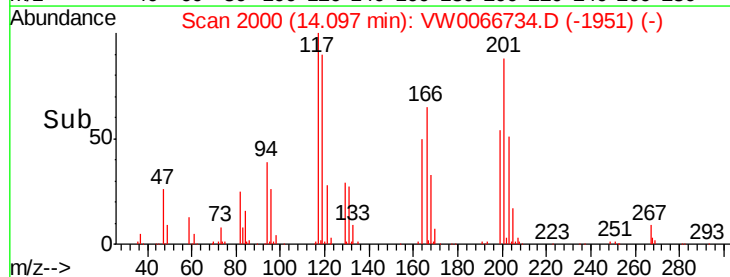
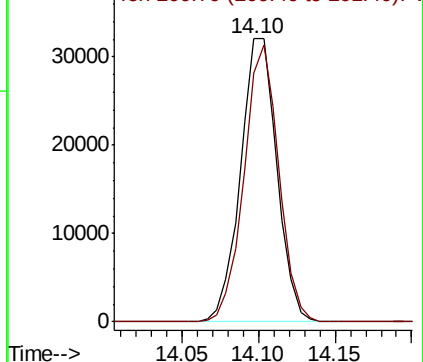
Ion Ratio Lower Upper

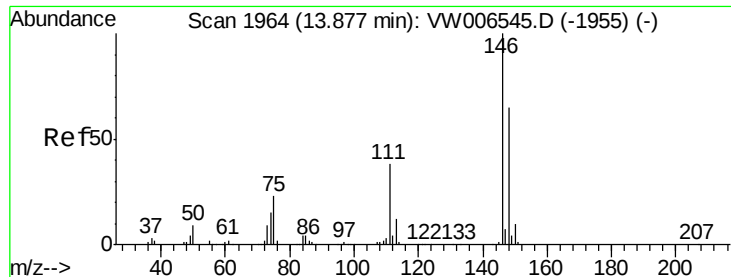
117 100

201 93.2 46.8 140.3



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





#91

1,2-Dichlorobenzene

Concen: 23.092 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

Instrument :

MSVOA_W

ClientSampleId :

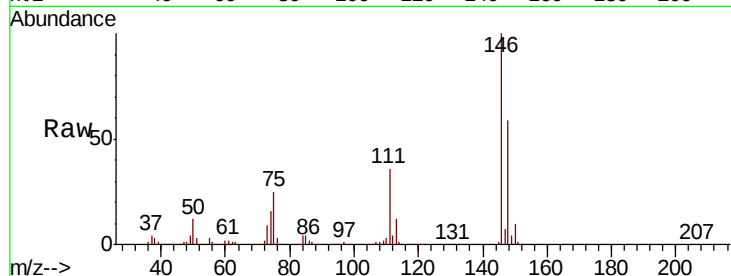
Tot Ion:146 Resp: 149028

Ion Ratio Lower Upper

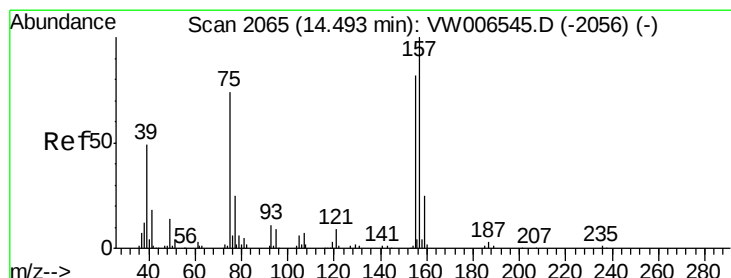
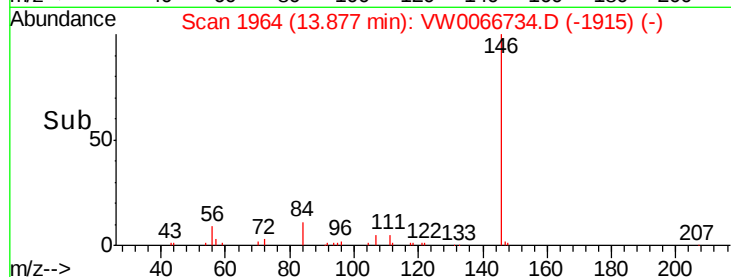
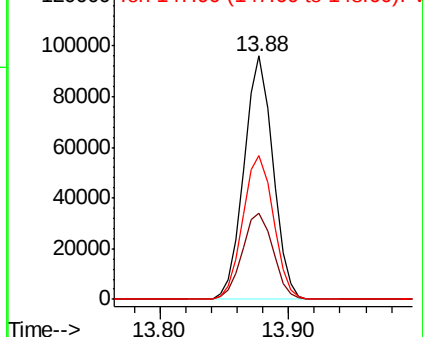
146 100

111 37.6 19.1 57.5

148 62.4 32.0 96.0



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: 20.338 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW0066734.D

Acq: 07 Nov 2018 14:24

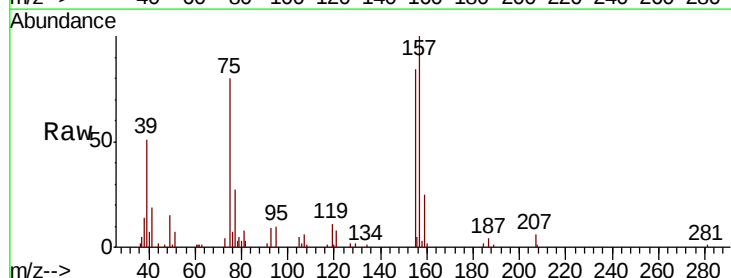
Tgt Ion: 75 Resp: 7334

Ion Ratio Lower Upper

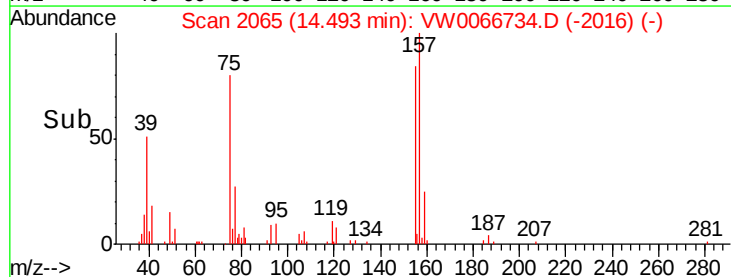
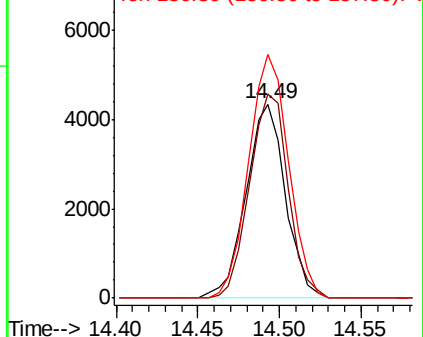
75 100

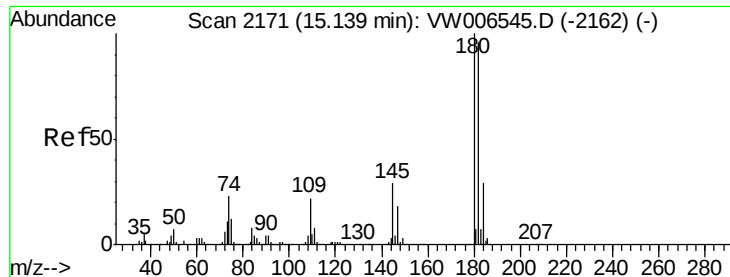
155 102.8 50.6 151.8

157 126.8 65.0 195.0



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

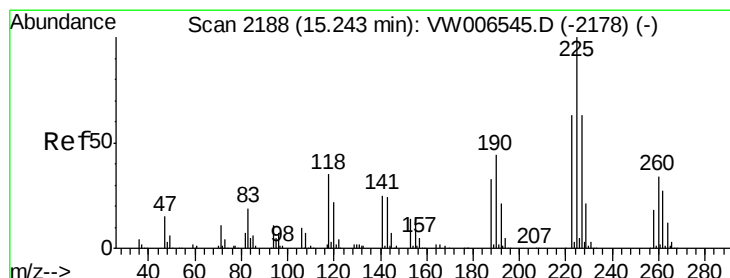
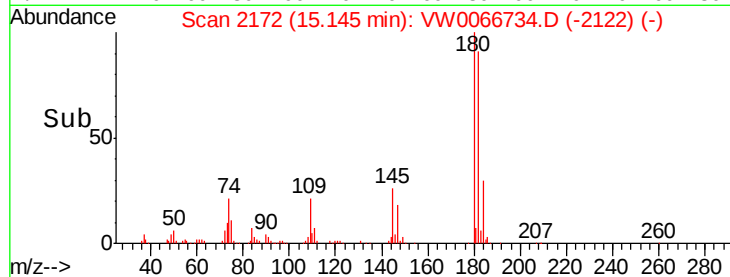
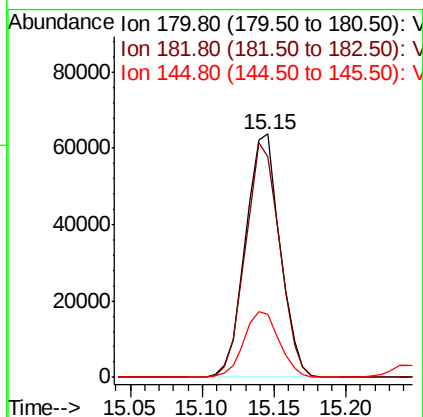
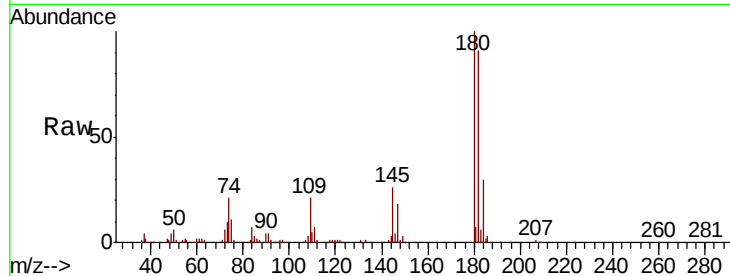




#93
 1,2,4-Trichlorobenzene
 Concen: 21.989 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW0066734.D
 Acq: 07 Nov 2018 14:24

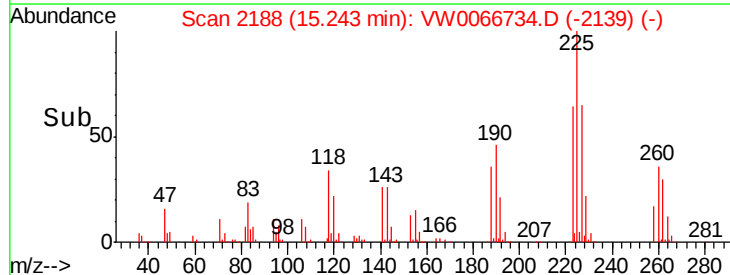
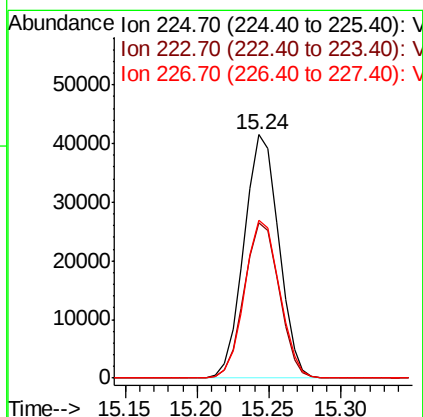
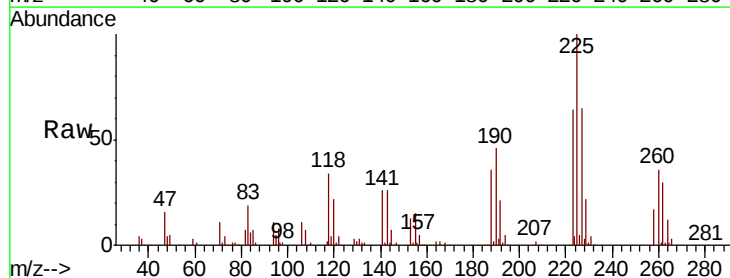
Instrument :
 MSVOA_W
 ClientSampleId :

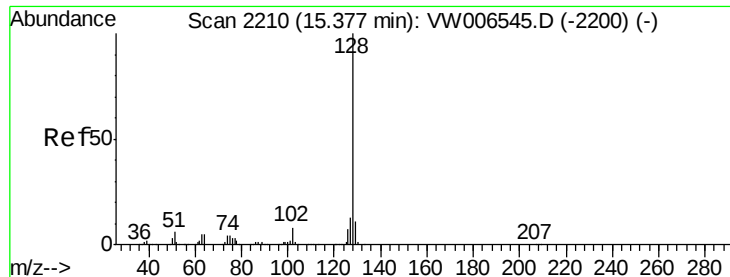
Tot Ion:180 Resp: 105521
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.5 142.6
 145 28.0 14.0 42.0



#94
 Hexachlorobutadiene
 Concen: 23.212 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW0066734.D
 Acq: 07 Nov 2018 14:24

Tgt Ion:225 Resp: 69424
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.4 94.2
 227 64.8 32.2 96.6

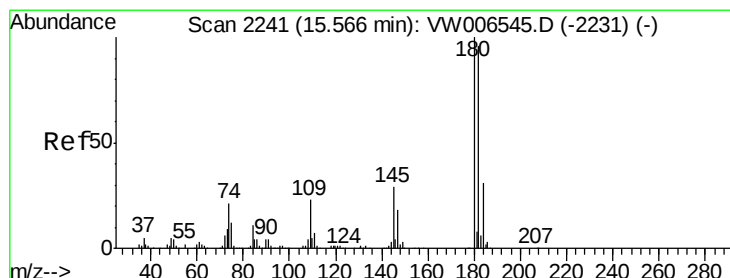
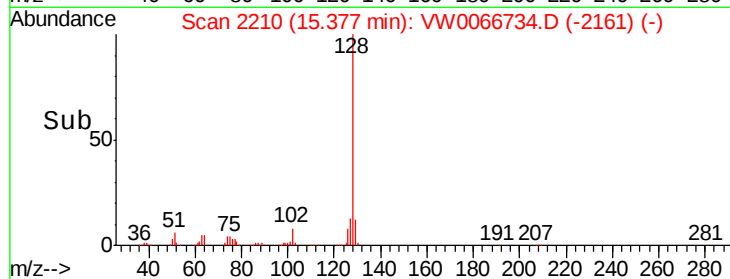
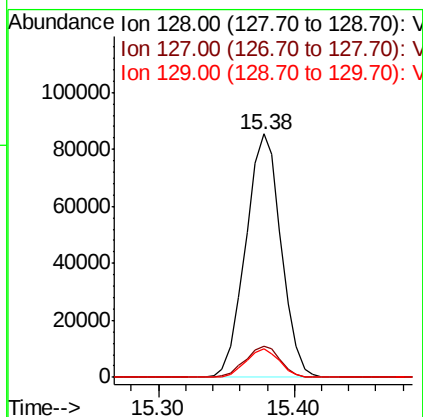
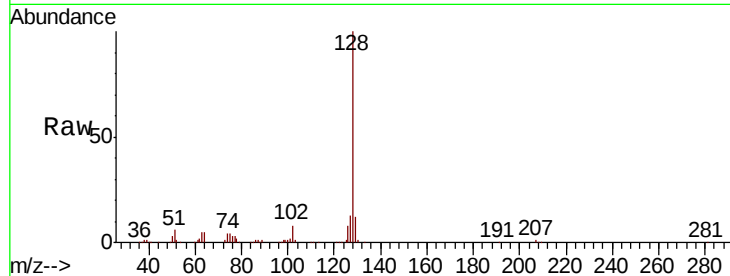




#95
Naphthalene
Concen: 20.148 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 155395
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.950 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW0066734.D
Acq: 07 Nov 2018 14:24

Tgt Ion:180 Resp: 92574
Ion Ratio Lower Upper
180 100
182 93.5 48.2 144.6
145 29.4 14.9 44.5

