

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW033119\
 Data File : VW009605.D
 Acq On : 31 Mar 2019 11:42
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 01 04:52:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	323413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	473583	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	434762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	239613	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	176983	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
35) Dibromofluoromethane	7.88	113	152807	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
50) Toluene-d8	10.32	98	594314	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
62) 4-Bromofluorobenzene	12.62	95	221601	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	92902	46.481	ug/l	97
3) Chloromethane	2.21	50	123297	45.255	ug/l	97
4) Vinyl Chloride	2.37	62	177841	48.875	ug/l	95
5) Bromomethane	2.78	94	121128	43.148	ug/l	97
6) Chloroethane	2.92	64	123501	45.830	ug/l	96
7) Trichlorofluoromethane	3.25	101	107255	43.141	ug/l	99
8) Diethyl Ether	3.67	74	72990	43.723	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.05	101	163754	49.091	ug/l	95
10) Methyl Iodide	4.26	142	210753	46.304	ug/l	96
11) Tert butyl alcohol	5.17	59	45623	212.763	ug/l	99
12) 1,1-Dichloroethene	4.03	96	151400	48.500	ug/l	95
13) Acrolein	3.89	56	38141	242.510	ug/l	99
14) Allyl chloride	4.65	41	226295	45.323	ug/l	98
15) Acrylonitrile	5.36	53	160535	210.382	ug/l	99
16) Acetone	4.12	43	200590	241.234	ug/l	94
17) Carbon Disulfide	4.37	76	406829	45.802	ug/l	98
18) Methyl Acetate	4.67	43	89718	44.636	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	189190	43.576	ug/l	99
20) Methylene Chloride	4.91	84	154493	47.137	ug/l	92
21) trans-1,2-Dichloroethene	5.41	96	160982	48.571	ug/l	95
22) Diisopropyl ether	6.31	45	516888	47.936	ug/l	97
23) Vinyl Acetate	6.25	43	1591004	236.519	ug/l	99
24) 1,1-Dichloroethane	6.21	63	312067	48.084	ug/l	99
25) 2-Butanone	7.17	43	263545	229.357	ug/l	95
26) 2,2-Dichloropropane	7.16	77	178410	48.082	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	174146	48.112	ug/l	96
28) Bromochloromethane	7.51	49	207646	73.836	ug/l #	96
29) Tetrahydrofuran	7.52	42	156338	219.116	ug/l	99
30) Chloroform	7.67	83	323374	48.109	ug/l	100
31) Cyclohexane	7.95	56	272530	44.791	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	256095	47.062	ug/l	97
36) 1,1-Dichloropropene	8.07	75	256941	52.454	ug/l	100
37) Ethyl Acetate	7.25	43	108286	46.531	ug/l	100
38) Carbon Tetrachloride	8.06	117	261111	52.022	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	291971	52.181	ug/l	98
40) Benzene	8.32	78	684010	51.554	ug/l	100
41) Methacrylonitrile	7.48	41	69921	46.439	ug/l #	83
42) 1,2-Dichloroethane	8.40	62	221705	49.013	ug/l	99
43) Isopropyl Acetate	8.42	43	212430	46.577	ug/l	99
44) Trichloroethene	9.09	130	176042	51.250	ug/l	90
45) 1,2-Dichloropropane	9.37	63	170227	50.124	ug/l	99
46) Dibromomethane	9.46	93	89168	48.468	ug/l	98
47) Bromodichloromethane	9.64	83	240689	51.288	ug/l	99
48) Methyl methacrylate	9.43	41	105367	49.284	ug/l	96
49) 1,4-Dioxane	9.45	88	27343	998.011	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	573720	235.111	ug/l	100
52) Toluene	10.38	92	433345	52.154	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	233927	50.908	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	266228	52.254	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	123011	49.466	ug/l	98
56) Ethyl methacrylate	10.65	69	151875	44.545	ug/l	97
57) 1,3-Dichloropropane	10.93	76	217768	49.403	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	368746	224.089	ug/l	98
59) 2-Hexanone	10.97	43	413452	244.820	ug/l	98
60) Dibromochloromethane	11.13	129	148582	49.483	ug/l	97
61) 1,2-Dibromoethane	11.23	107	116748	48.957	ug/l	100
64) Tetrachloroethene	10.86	164	149151	50.527	ug/l	98
65) Chlorobenzene	11.66	112	471004	51.438	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	171426	51.382	ug/l	100
67) Ethyl Benzene	11.73	91	874210	54.189	ug/l	98
68) m/p-Xylenes	11.84	106	664374	108.459	ug/l	98
69) o-Xylene	12.16	106	310221	54.382	ug/l	100
70) Styrene	12.18	104	518267	54.392	ug/l	100
71) Bromoform	12.35	173	88989	49.564	ug/l	99
73) Isopropylbenzene	12.46	105	896770	53.779	ug/l	100
74) N-amyl acetate	12.27	43	214414	48.775	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	148523	47.098	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	210460	93.401	ug/l #	100
77) Bromobenzene	12.75	156	194574	50.669	ug/l	99
78) n-propylbenzene	12.80	91	1125952	54.758	ug/l	100
79) 2-Chlorotoluene	12.89	91	613164	52.472	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	763289	54.354	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	47901	49.435	ug/l	98
82) 4-Chlorotoluene	12.99	91	651969	53.014	ug/l	99
83) tert-Butylbenzene	13.21	119	662485	55.418	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	785394	54.403	ug/l	99
85) sec-Butylbenzene	13.38	105	993405	55.082	ug/l	99
86) p-Isopropyltoluene	13.50	119	871598	55.563	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	409063	51.592	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	404973	51.137	ug/l	100
89) n-Butylbenzene	13.83	91	857435	55.376	ug/l	99
90) Hexachloroethane	14.10	117	160939	53.577	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	364804	51.453	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	27630	47.995	ug/l	95

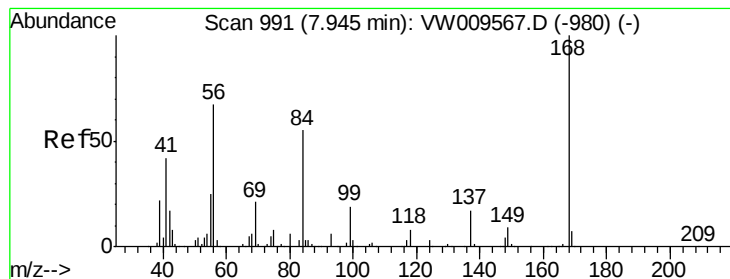
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	247788	54.268	ug/l	99
94) Hexachlorobutadiene	15.24	225	155785	53.127	ug/l	99
95) Naphthalene	15.37	128	429346	46.469	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	216803	53.145	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

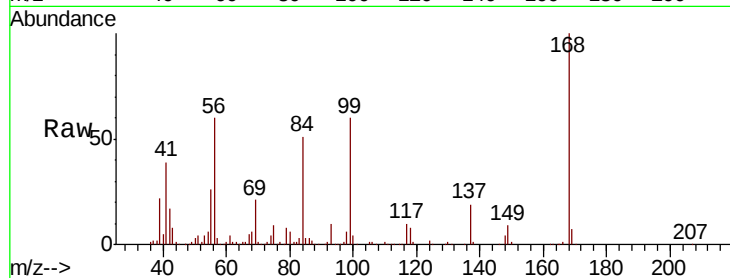
ClientSampled :

Tot Ion:168 Resp: 323413

Ion Ratio Lower Upper

168 100

99 60.0 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

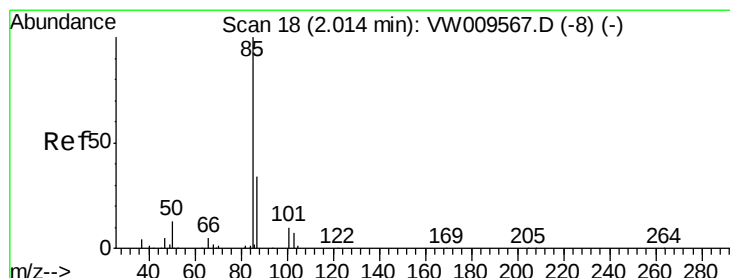
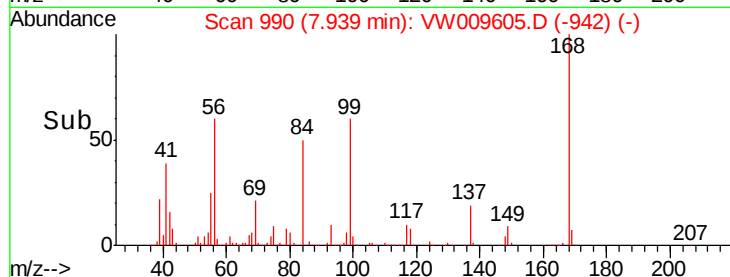
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 46.481 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009605.D

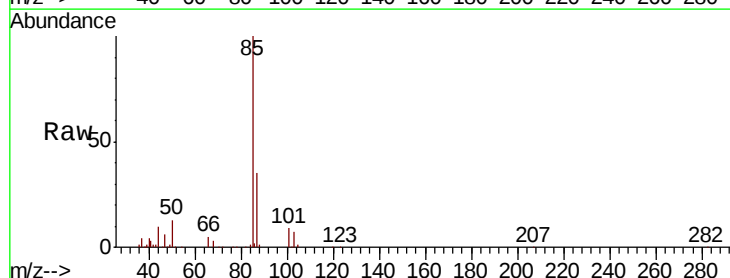
Acq: 31 Mar 2019 11:42

Tgt Ion: 85 Resp: 92902

Ion Ratio Lower Upper

85 100

87 34.8 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

30000

25000

20000

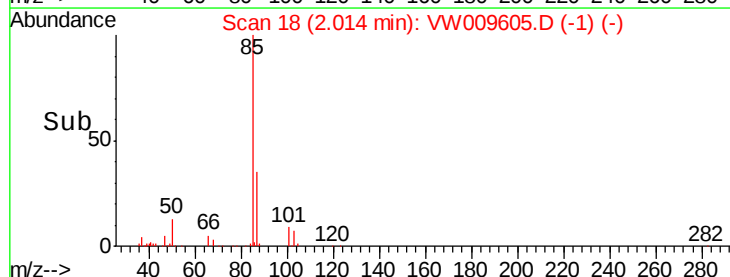
15000

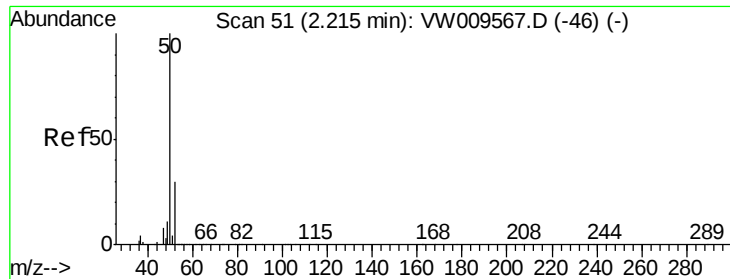
10000

5000

0

Time--> 1.90 2.00 2.10 2.20

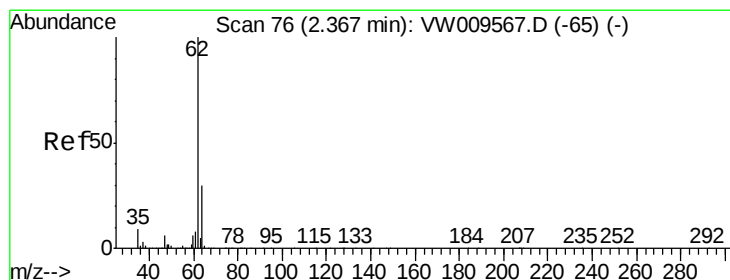
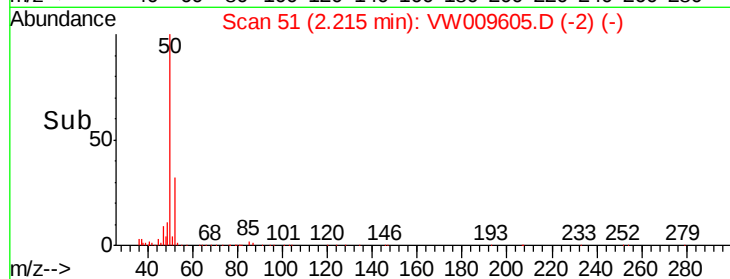
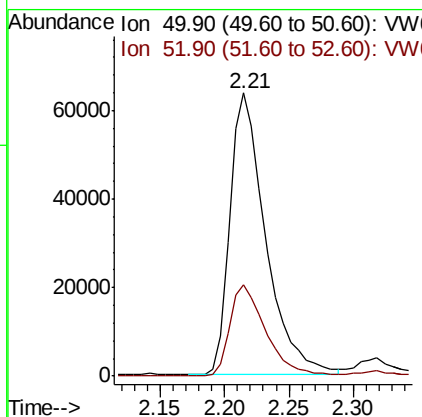
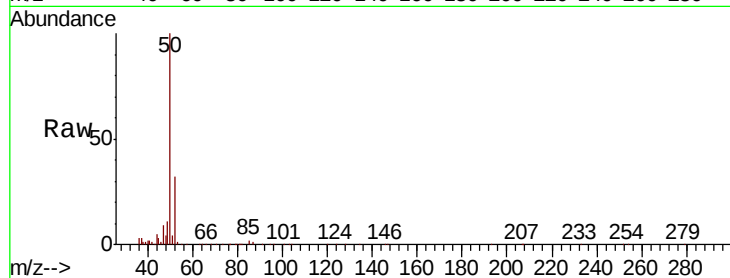




#3
Chloromethane
Concen: 45.255 ug/l
RT: 2.21 min Scan# 51
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

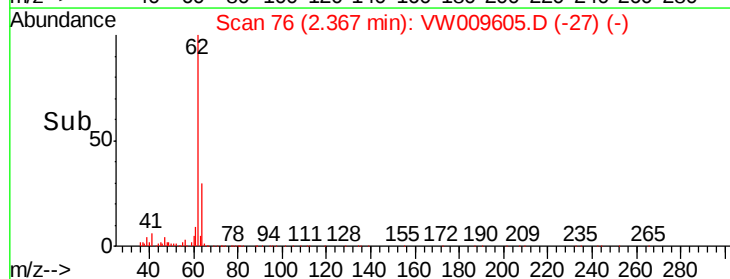
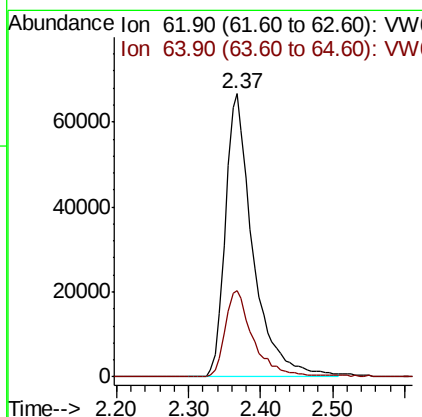
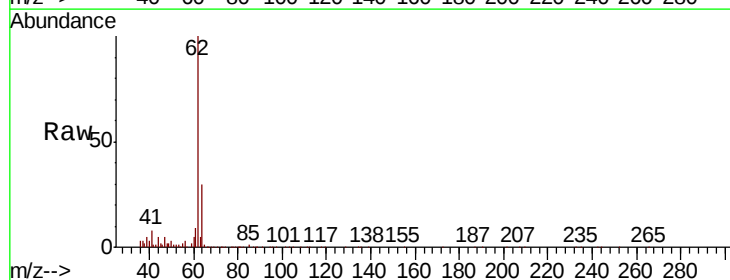
Instrument :
MSVOA_W
ClientSampled :

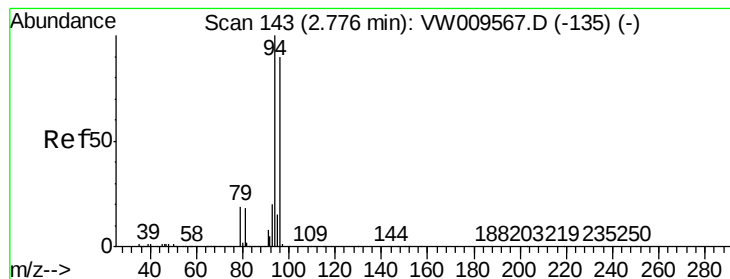
Tot Ion: 50 Resp: 123297
Ion Ratio Lower Upper
50 100
52 32.4 27.2 40.8



#4
Vinyl Chloride
Concen: 48.875 ug/l
RT: 2.37 min Scan# 76
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion: 62 Resp: 177841
Ion Ratio Lower Upper
62 100
64 30.2 26.2 39.2





#5

Bromomethane

Concen: 43.148 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

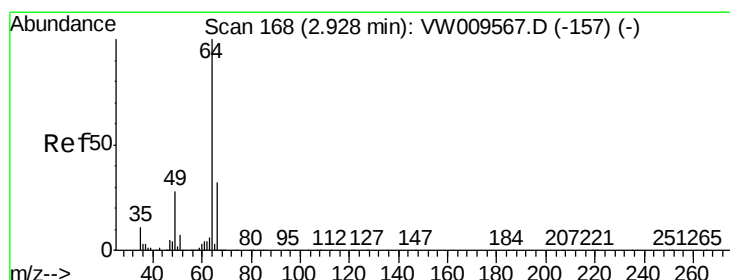
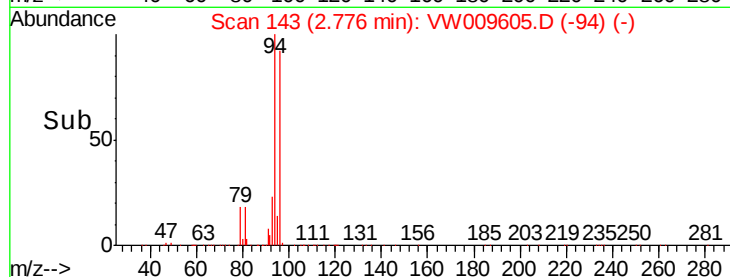
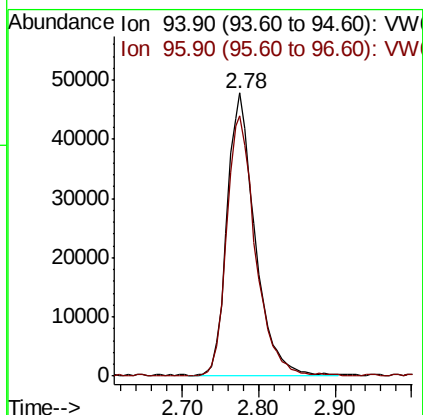
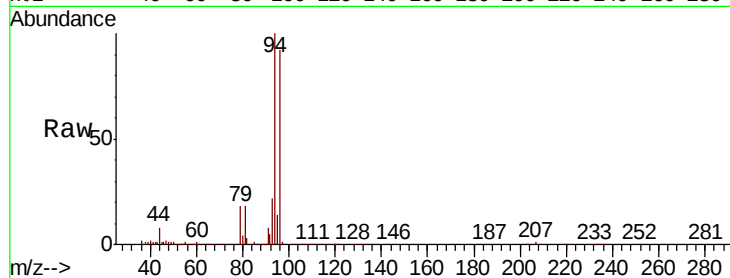
ClientSampleId :

Tot Ion: 94 Resp: 121128

Ion Ratio Lower Upper

94 100

96 92.0 71.4 107.2



#6

Chloroethane

Concen: 45.830 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009605.D

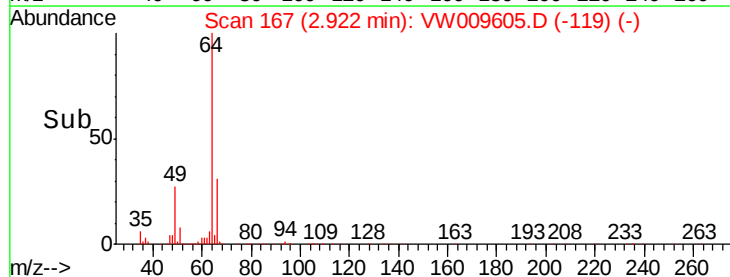
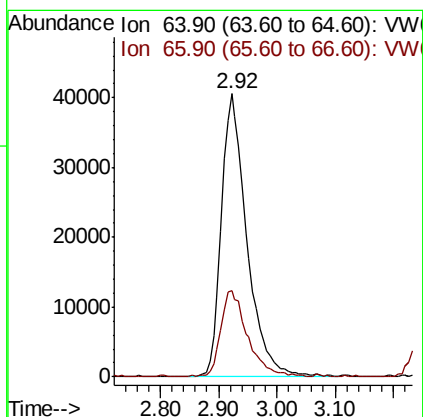
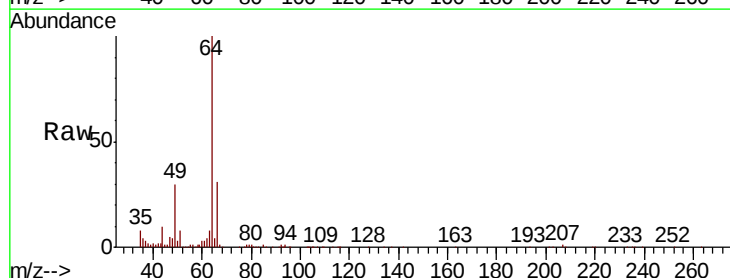
Acq: 31 Mar 2019 11:42

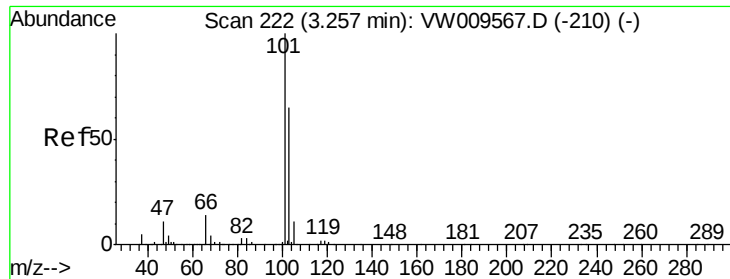
Tgt Ion: 64 Resp: 123501

Ion Ratio Lower Upper

64 100

66 30.7 26.2 39.2



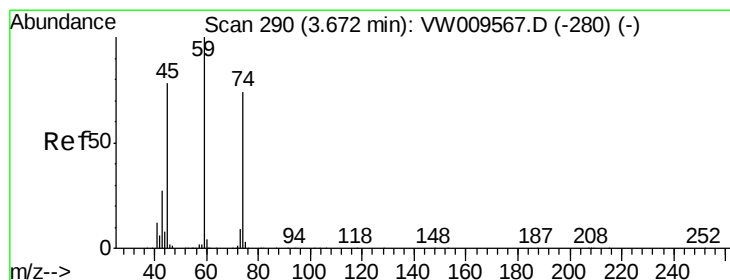
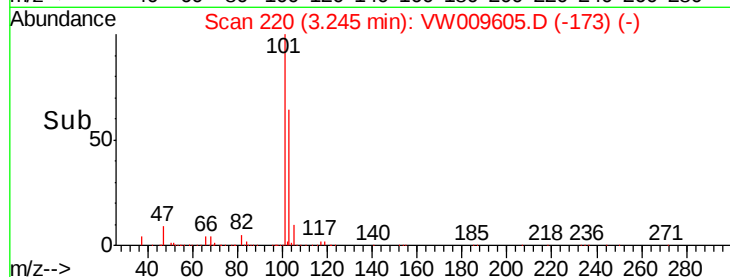
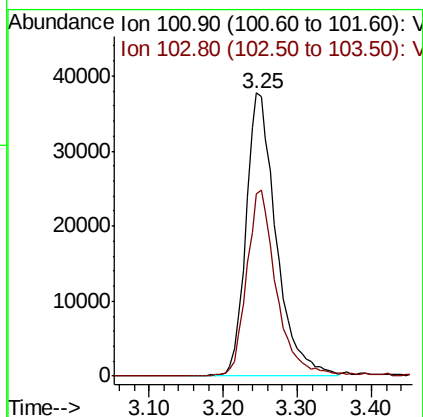
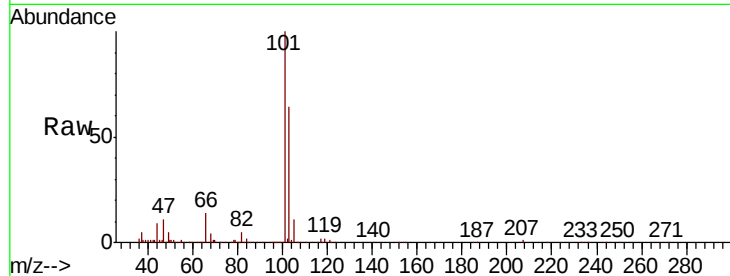


#7

Trichlorofluoromethane
Concen: 43.141 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :

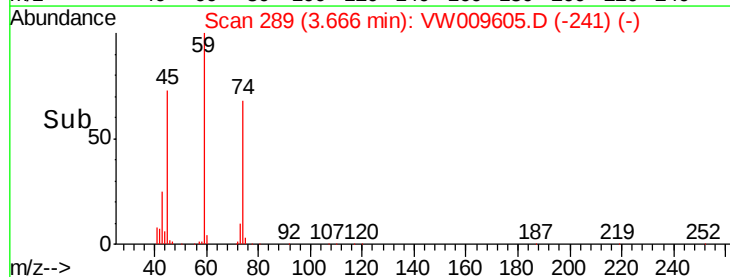
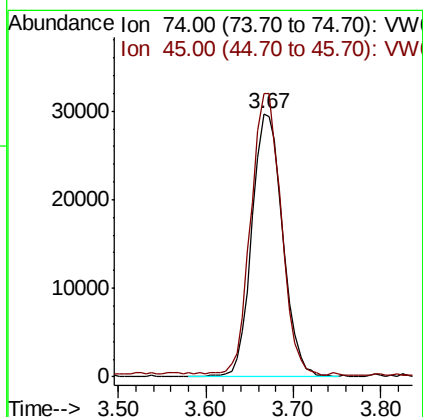
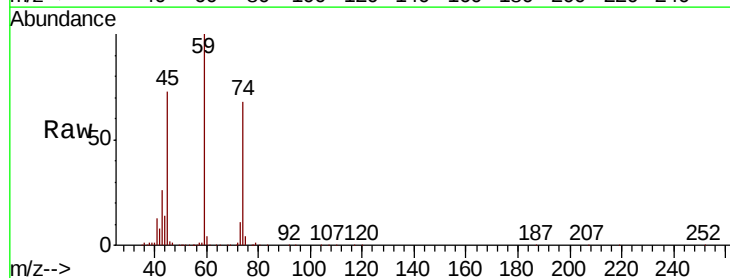
Tot Ion:101 Resp: 107255
Ion Ratio Lower Upper
101 100
103 63.9 50.5 75.7

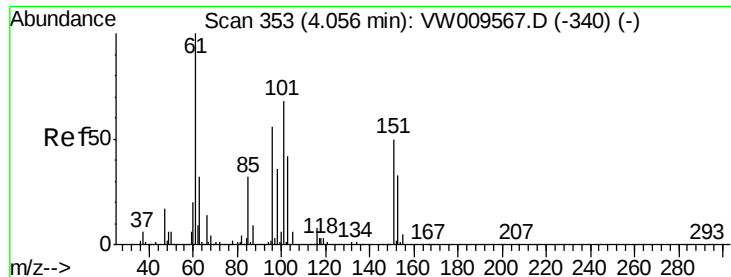


#8

Diethyl Ether
Concen: 43.723 ug/l
RT: 3.67 min Scan# 289
Delta R.T. -0.01 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion: 74 Resp: 72990
Ion Ratio Lower Upper
74 100
45 105.9 50.6 151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.091 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

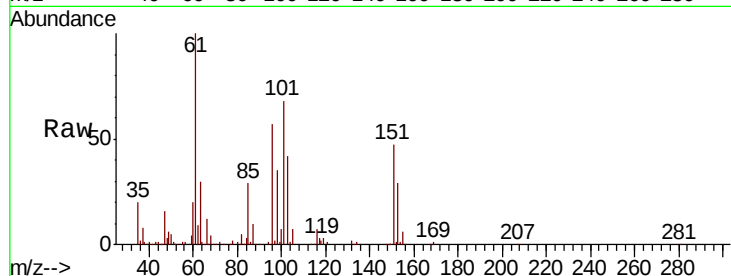
Tot Ion:101 Resp: 163754

Ion Ratio Lower Upper

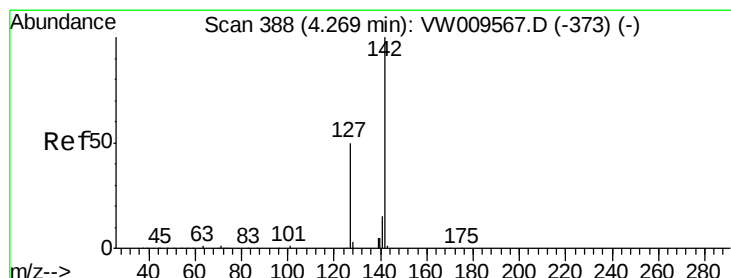
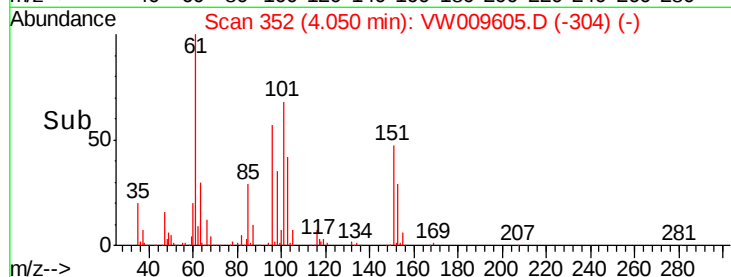
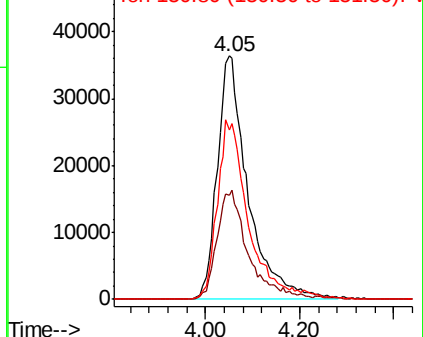
101 100

85 45.5 35.1 52.7

151 73.2 62.9 94.3



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: 46.304 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

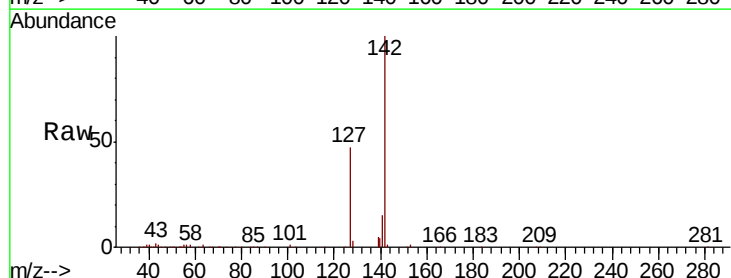
Tgt Ion:142 Resp: 210753

Ion Ratio Lower Upper

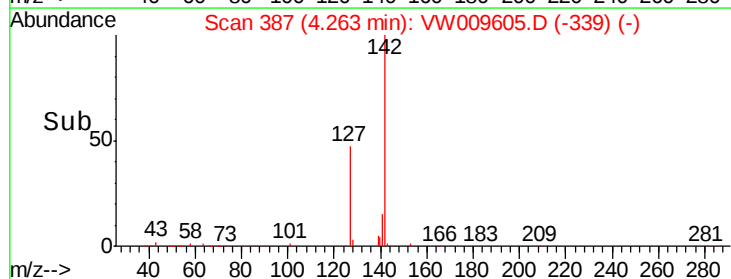
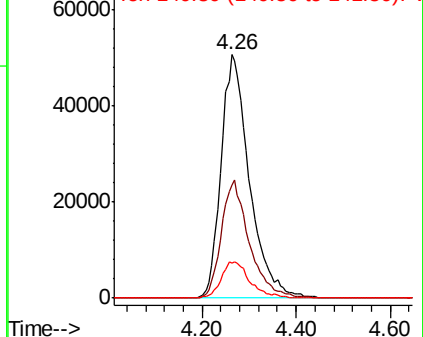
142 100

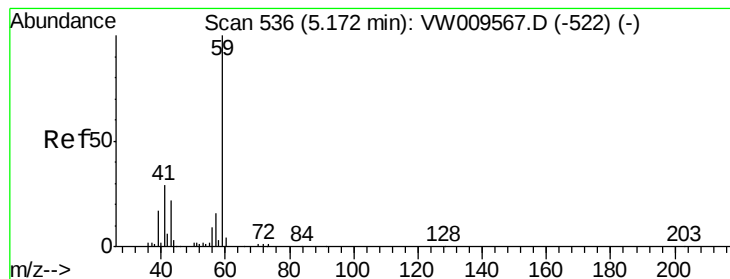
127 47.8 35.9 53.9

141 15.1 11.4 17.2



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



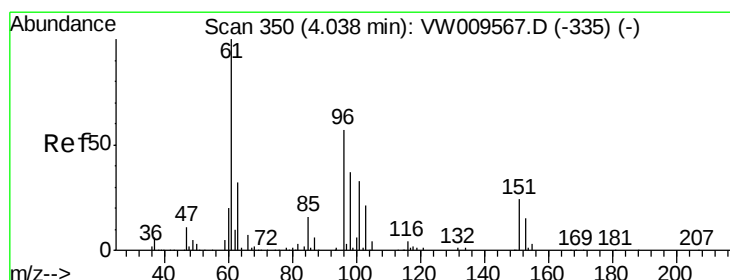
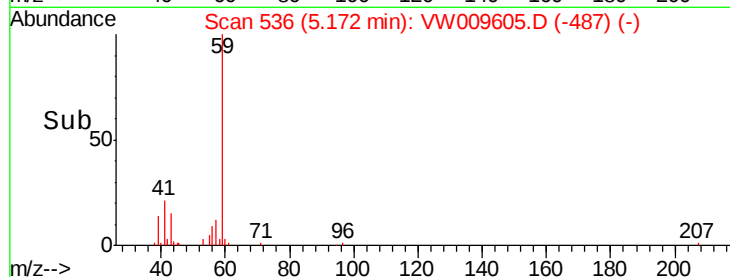
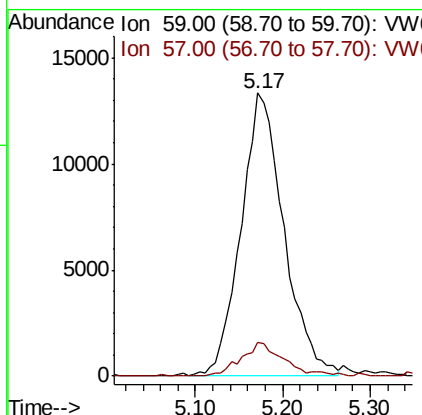
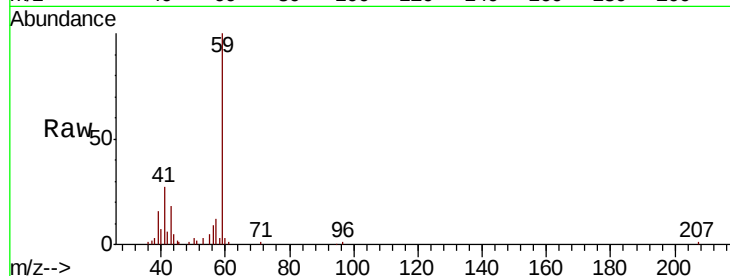


#11

Tert butyl alcohol
 Concen: 212.763 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Instrument :
 MSVOA_W
 ClientSampled :

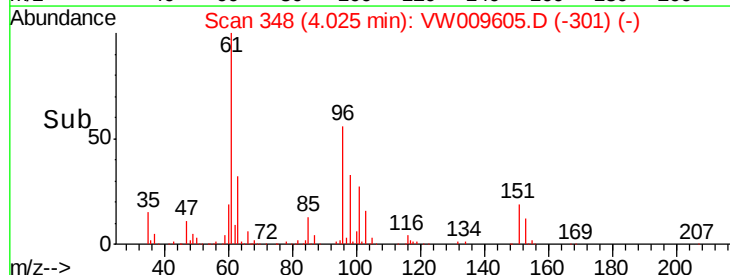
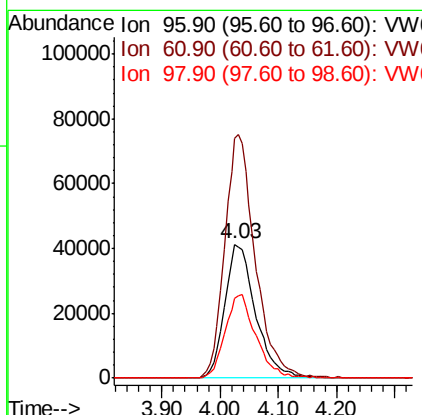
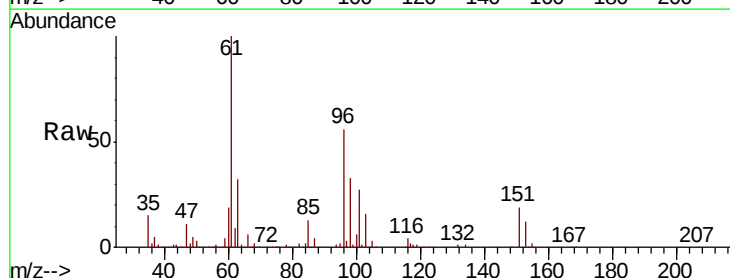
Tot Ion: 59 Resp: 45623
 Ion Ratio Lower Upper
 59 100
 57 11.3 9.4 14.0

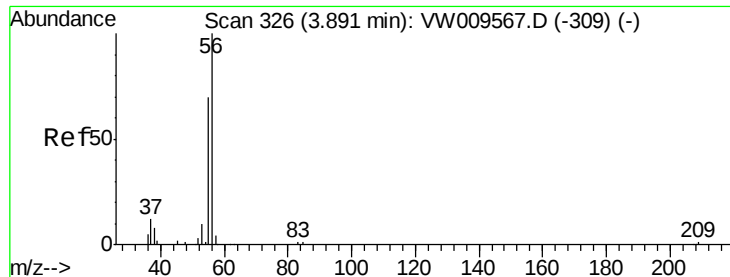


#12

1,1-Dichloroethene
 Concen: 48.500 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Tgt Ion: 96 Resp: 151400
 Ion Ratio Lower Upper
 96 100
 61 179.7 138.0 207.0
 98 59.2 49.8 74.8





#13

Acrolein

Concen: 242.510 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

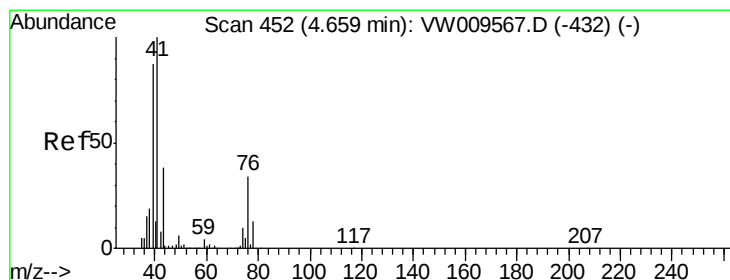
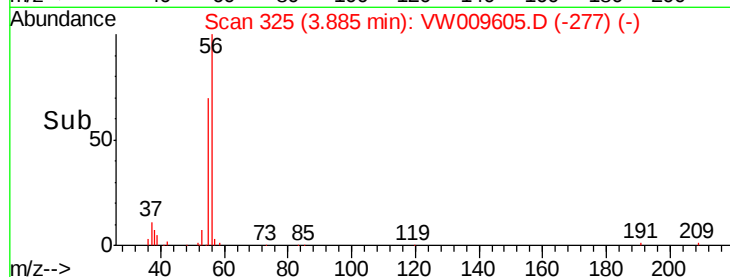
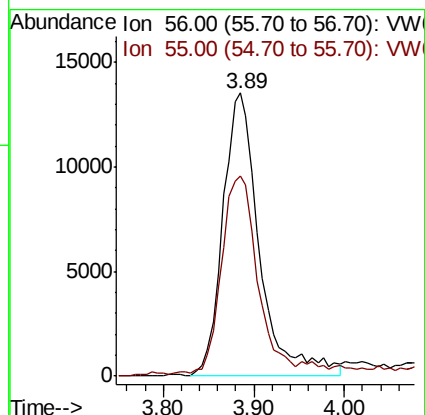
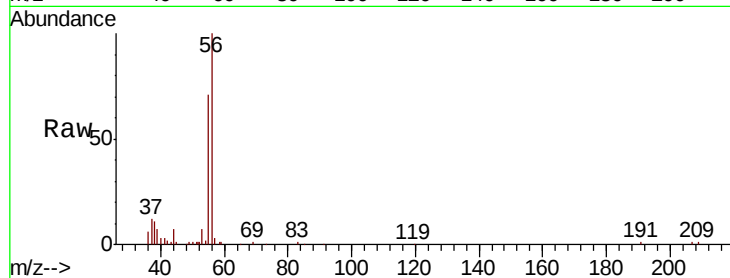
ClientSampleId :

Tot Ion: 56 Resp: 38141

Ion Ratio Lower Upper

56 100

55 68.0 55.2 82.8



#14

Allyl chloride

Concen: 45.323 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

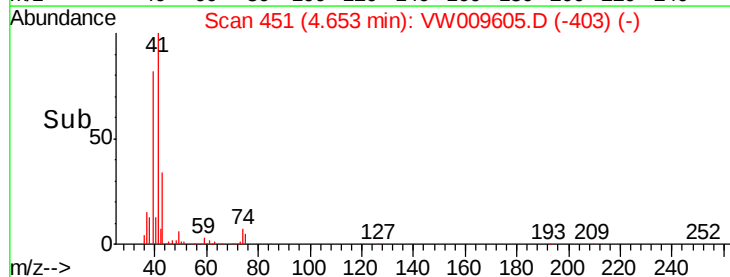
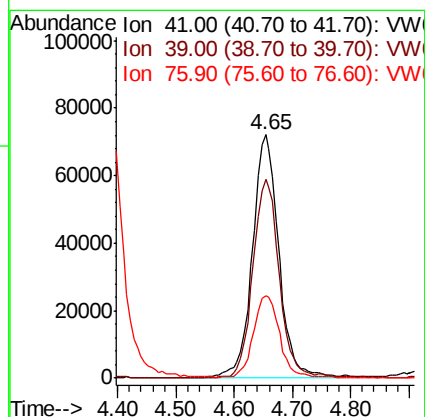
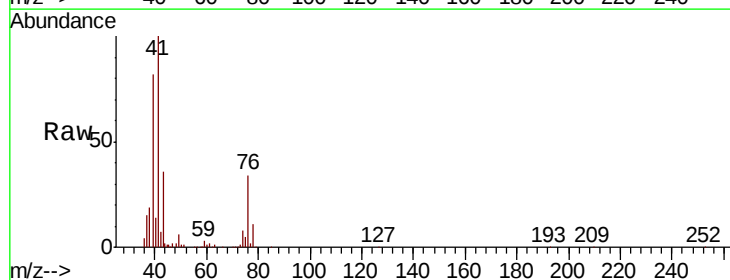
Tgt Ion: 41 Resp: 226295

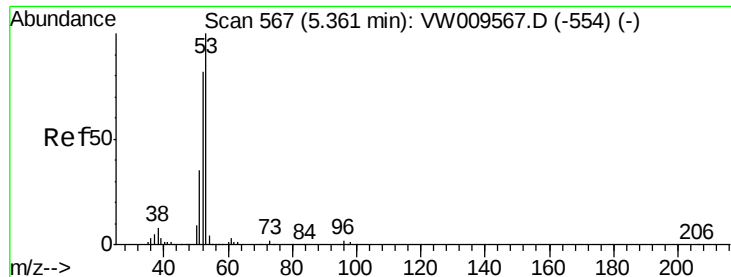
Ion Ratio Lower Upper

41 100

39 81.2 63.8 95.6

76 32.9 27.8 41.6





#15

Acrylonitrile

Concen: 210.382 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

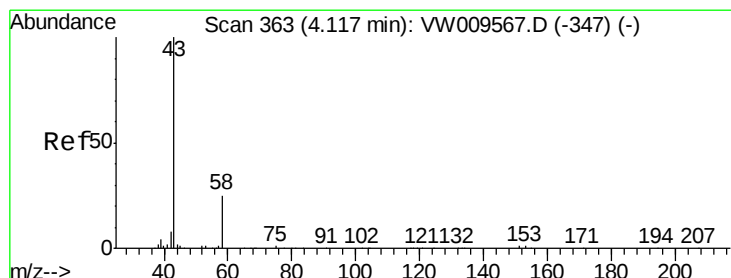
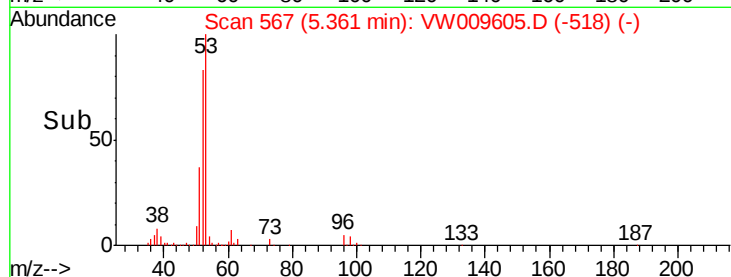
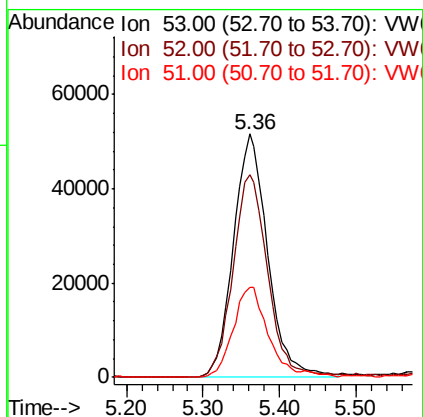
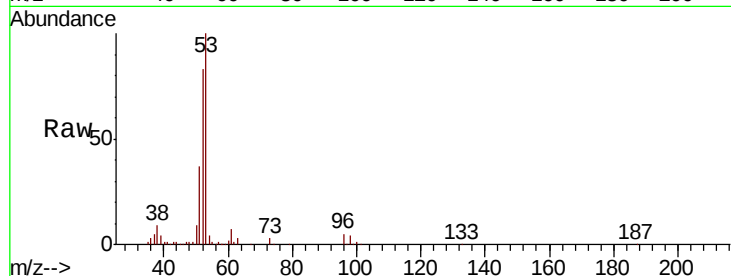
Tot Ion: 53 Resp: 160535

Ion Ratio Lower Upper

53 100

52 83.7 67.6 101.4

51 37.0 30.6 45.8



#16

Acetone

Concen: 241.234 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW009605.D

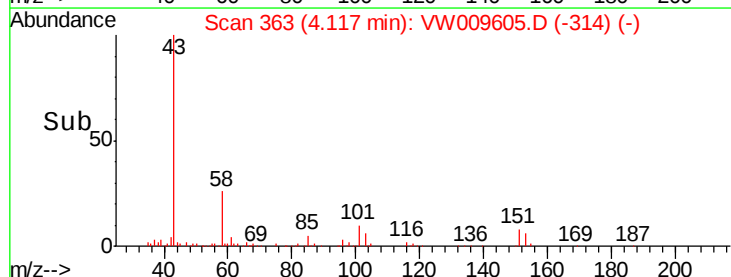
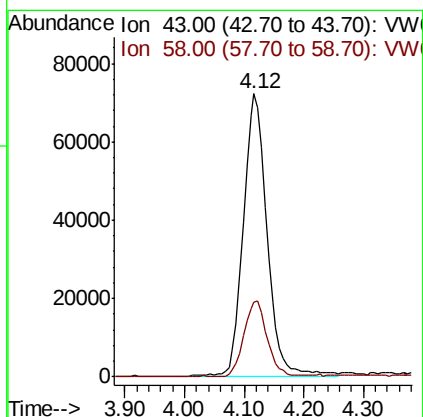
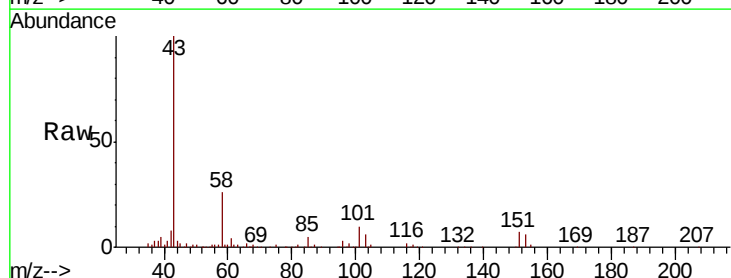
Acq: 31 Mar 2019 11:42

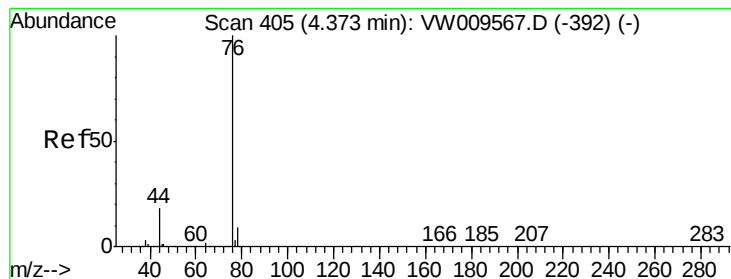
Tgt Ion: 43 Resp: 200590

Ion Ratio Lower Upper

43 100

58 26.2 23.6 35.4





#17

Carbon Disulfide

Concen: 45.802 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

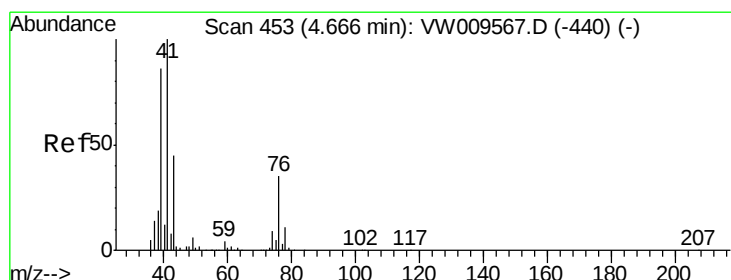
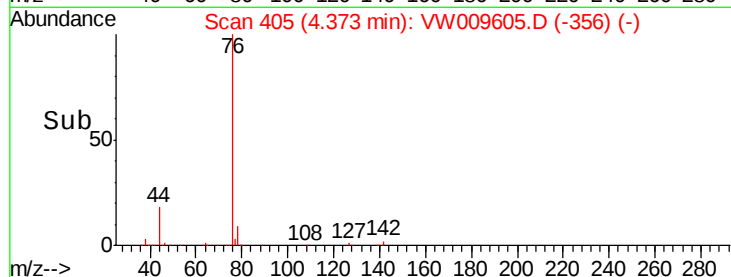
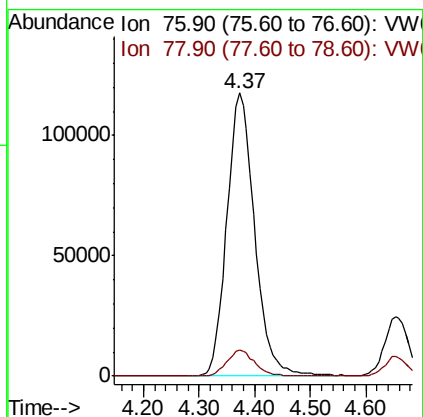
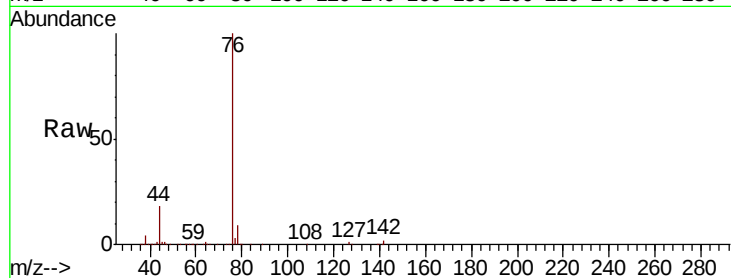
ClientSampled :

Tot Ion: 76 Resp: 406829

Ion Ratio Lower Upper

76 100

78 9.0 6.6 9.8



#18

Methyl Acetate

Concen: 44.636 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW009605.D

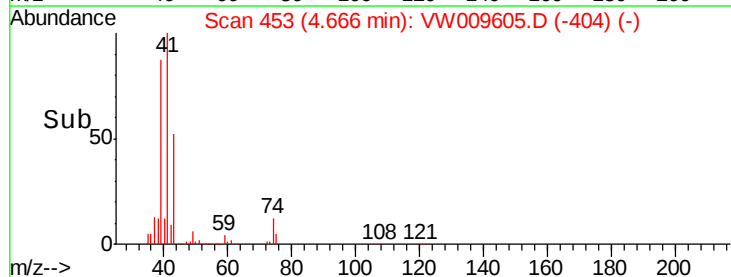
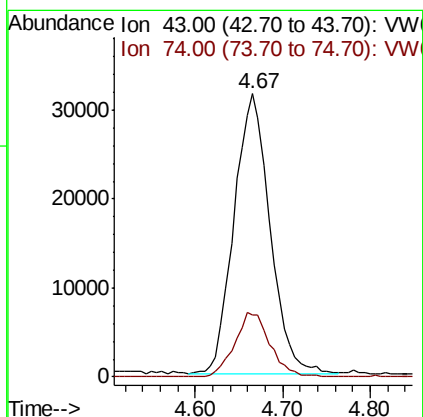
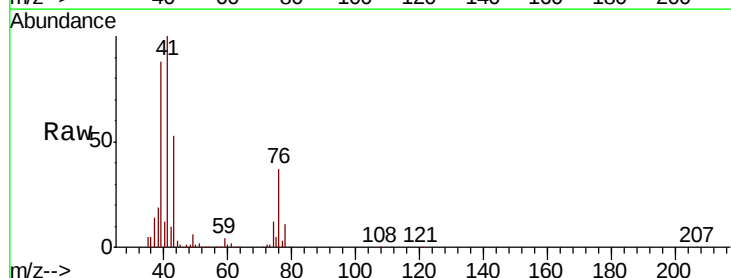
Acq: 31 Mar 2019 11:42

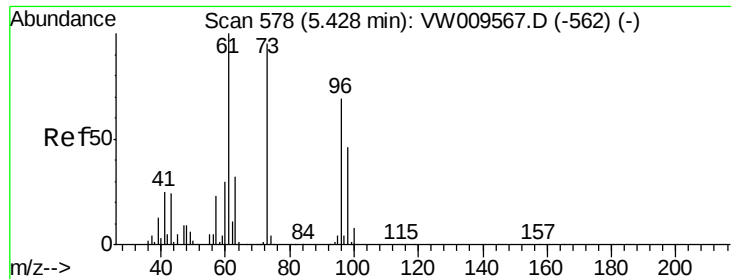
Tgt Ion: 43 Resp: 89718

Ion Ratio Lower Upper

43 100

74 22.7 17.7 26.5



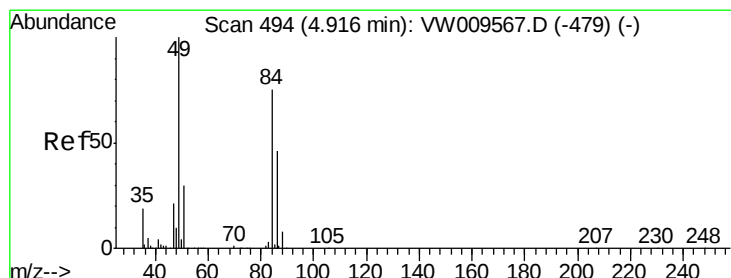
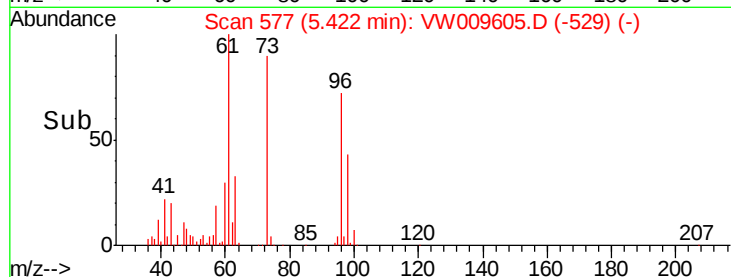
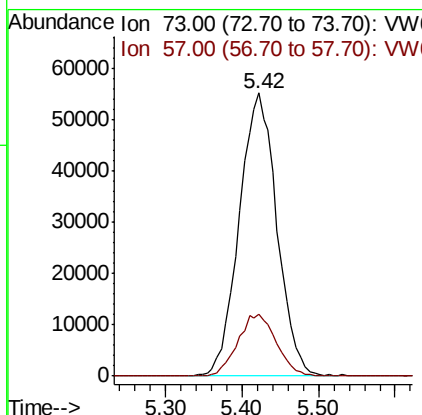
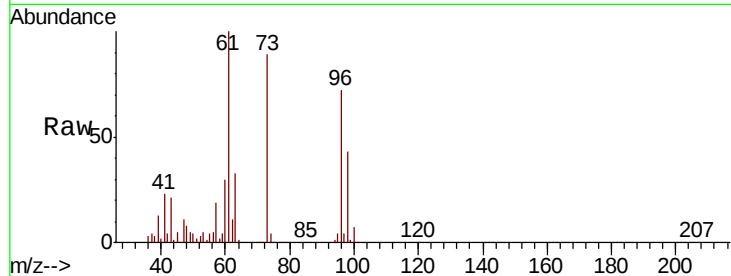


#19

Methyl tert-butyl Ether
 Concen: 43.576 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Instrument :
 MSVOA_W
 ClientSampled :

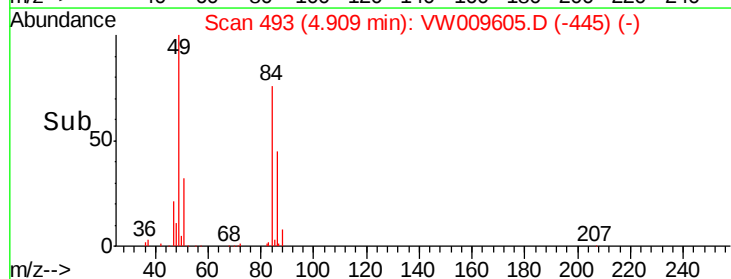
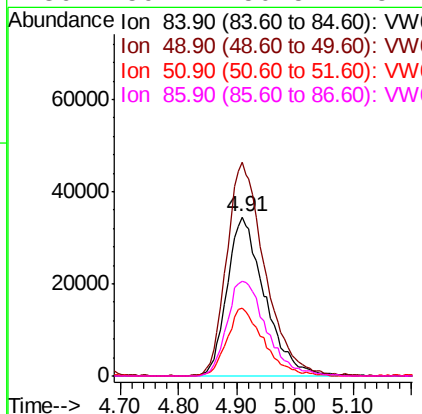
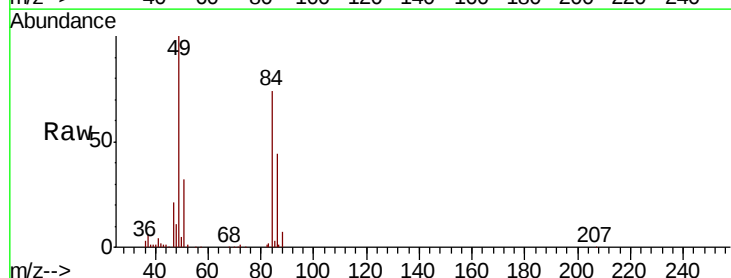
Tot Ion: 73 Resp: 189190
 Ion Ratio Lower Upper
 73 100
 57 21.8 17.0 25.6

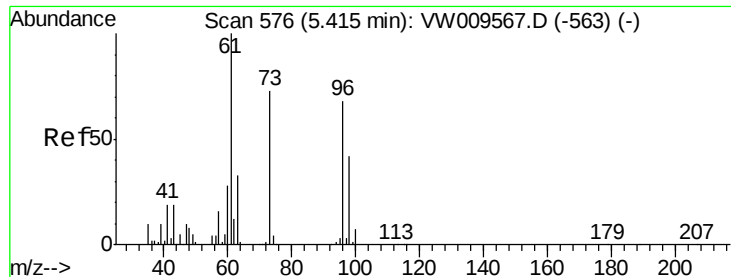


#20

Methylene Chloride
 Concen: 47.137 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Tgt Ion: 84 Resp: 154493
 Ion Ratio Lower Upper
 84 100
 49 134.3 99.1 148.7
 51 42.2 28.7 43.1
 86 59.7 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 48.571 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

ClientSampled :

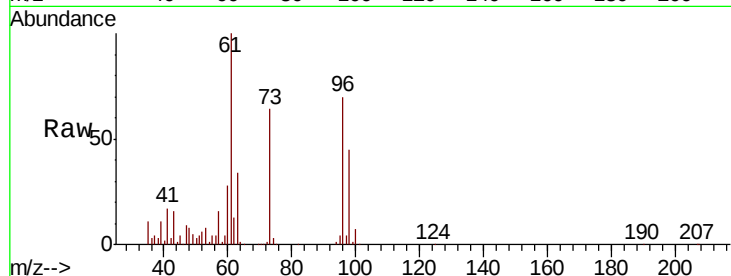
Tot Ion: 96 Resp: 160982

Ion Ratio Lower Upper

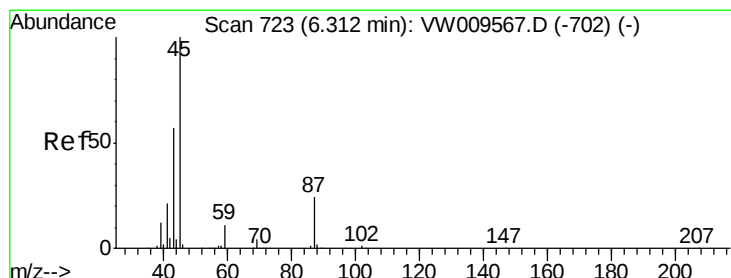
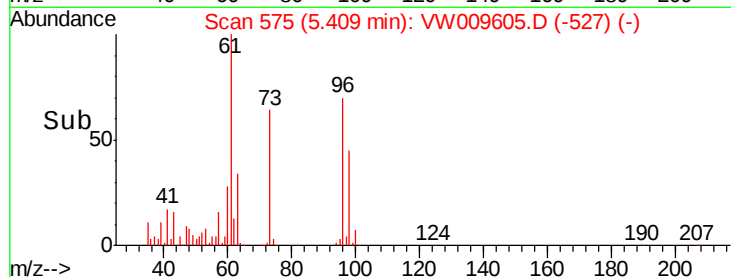
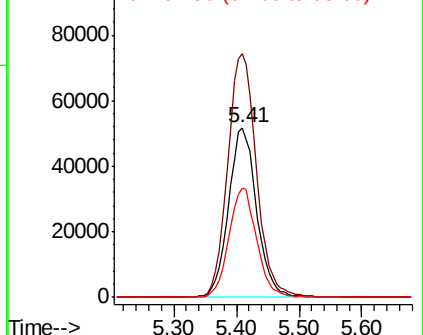
96 100

61 143.6 108.2 162.4

98 64.3 50.9 76.3



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: 47.936 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Tgt Ion: 45 Resp: 516888

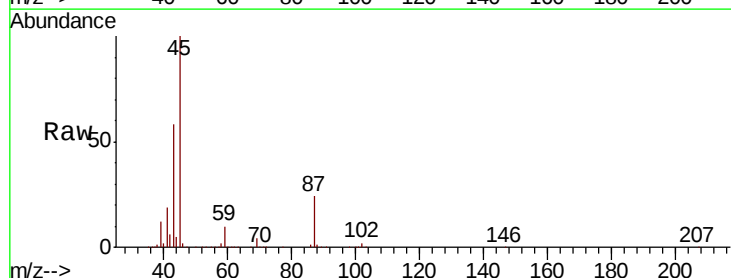
Ion Ratio Lower Upper

45 100

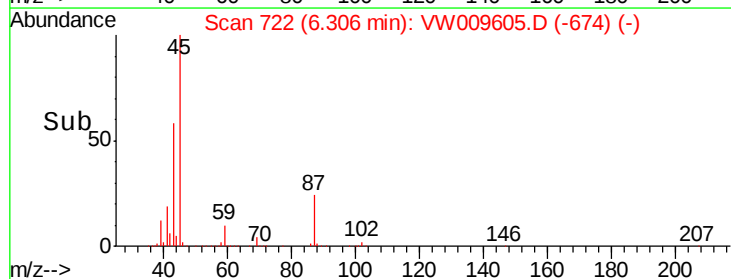
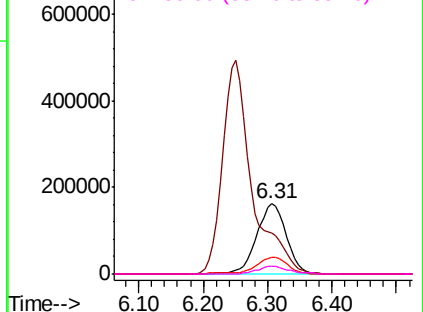
43 57.4 47.9 71.9

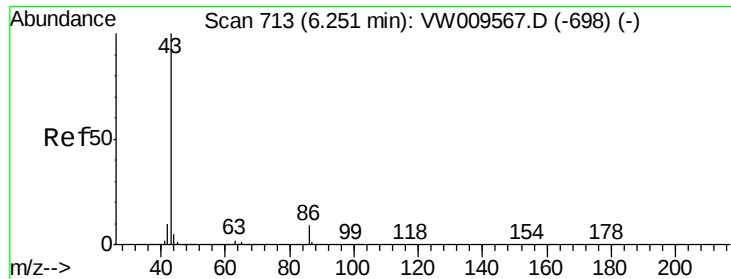
87 24.0 20.6 30.8

59 10.3 9.0 13.4



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: 236.519 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

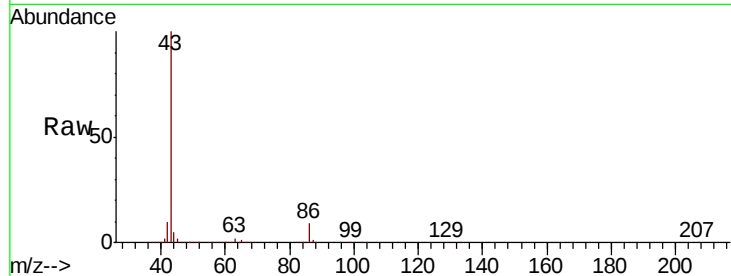
Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

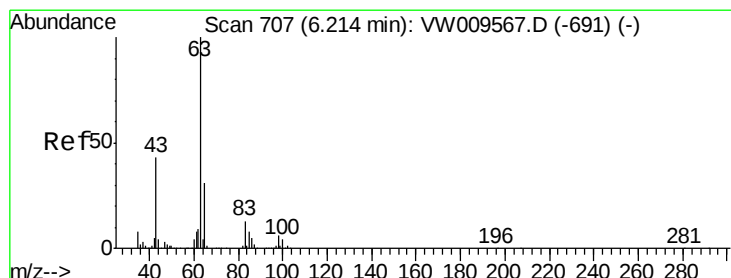
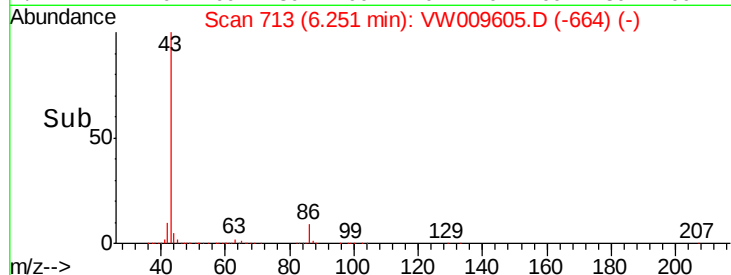
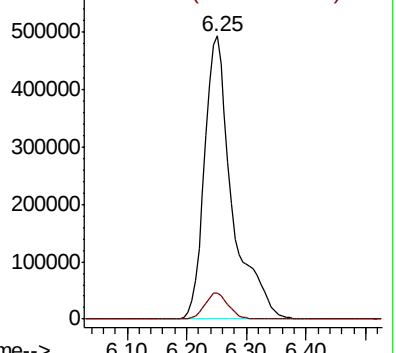
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1591004

Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.7	11.5



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



#24

1,1-Dichloroethane

Concen: 48.084 ug/l

RT: 6.21 min Scan# 706

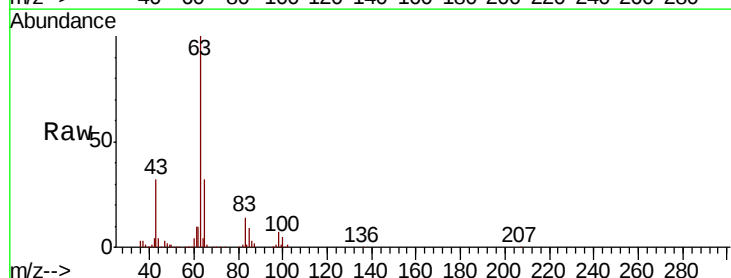
Delta R.T. -0.01 min

Lab File: VW009605.D

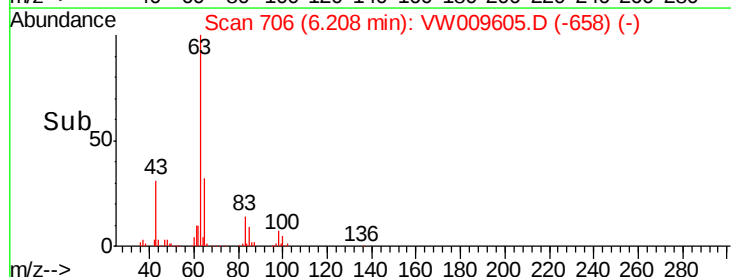
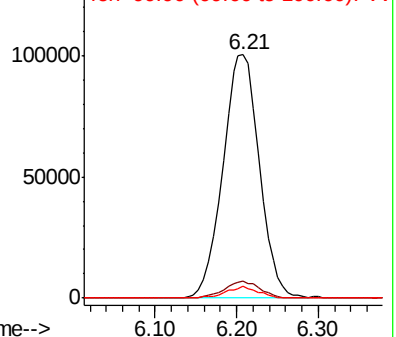
Acq: 31 Mar 2019 11:42

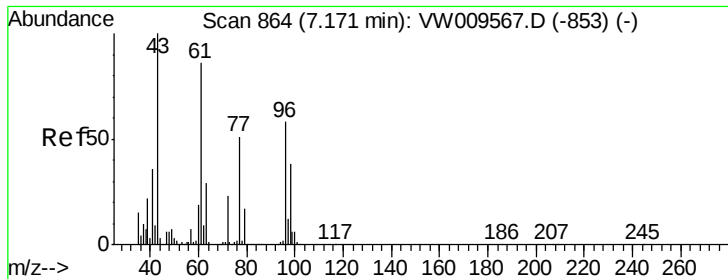
Tgt Ion: 63 Resp: 312067

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.7	11.1
100	4.9	2.4	7.1



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





#25

2-Butanone

Concen: 229.357 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

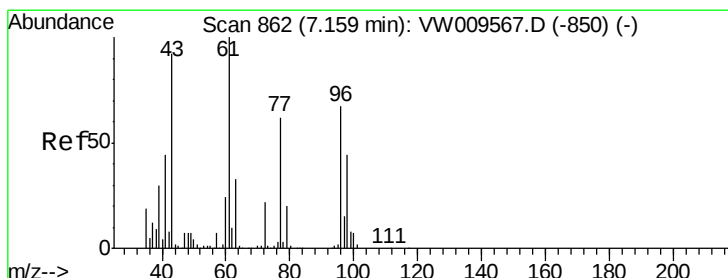
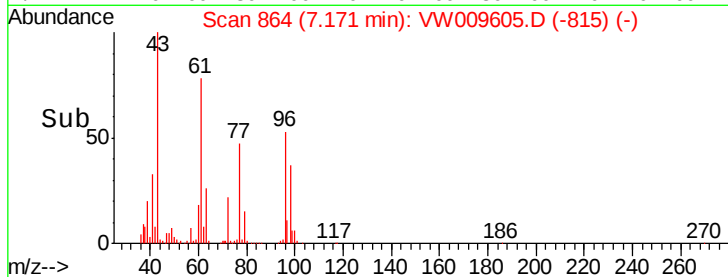
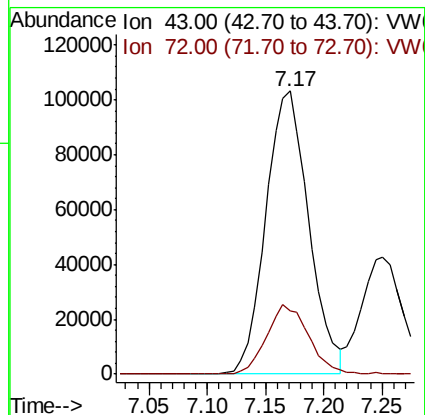
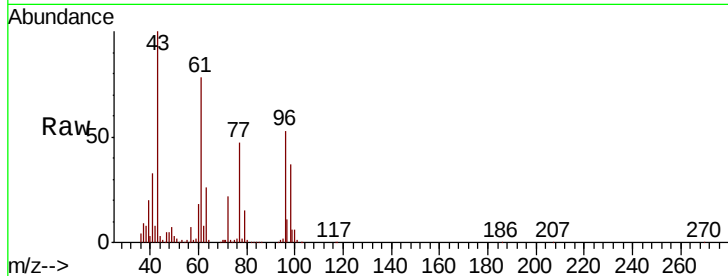
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 263545

Ion Ratio Lower Upper

43 100

72 22.5 20.0 30.0



#26

2,2-Dichloropropane

Concen: 48.082 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW009605.D

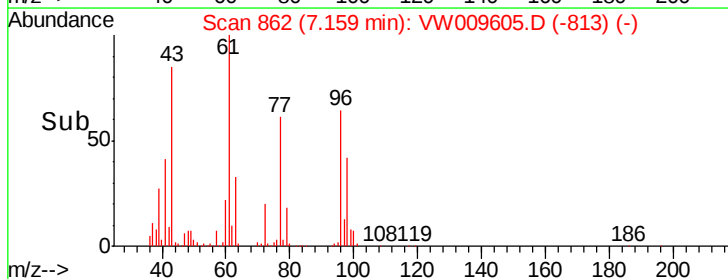
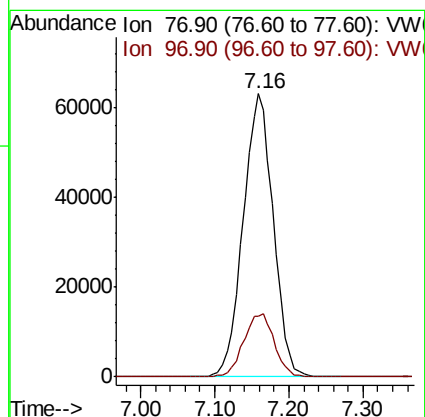
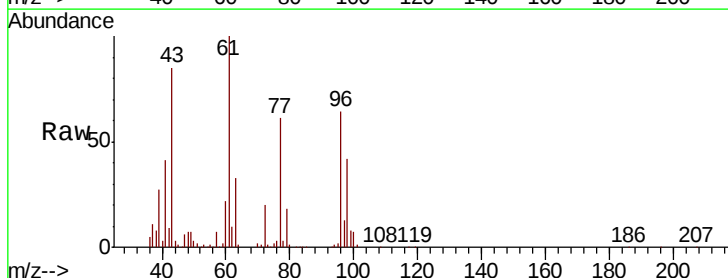
Acq: 31 Mar 2019 11:42

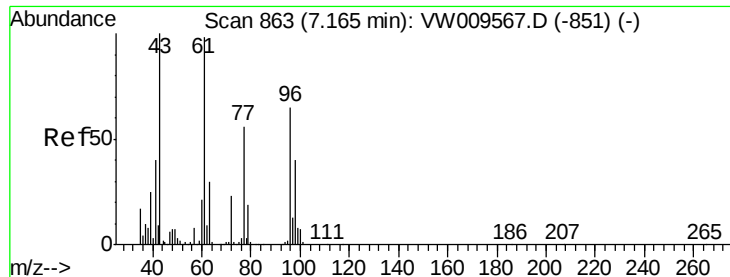
Tgt Ion: 77 Resp: 178410

Ion Ratio Lower Upper

77 100

97 22.7 11.6 34.7



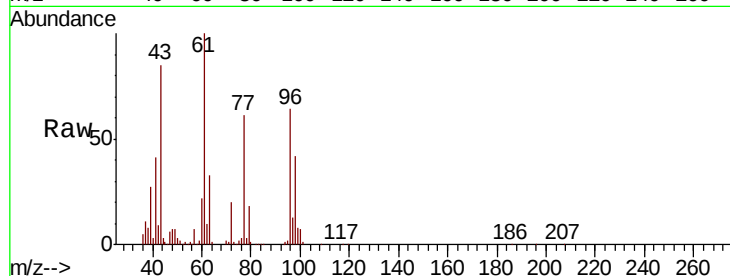


#27

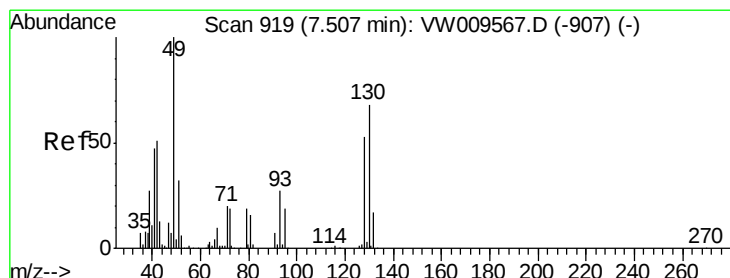
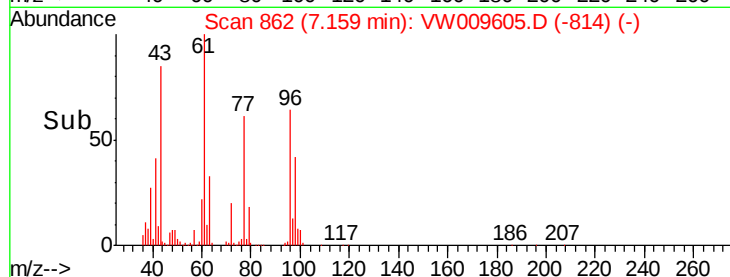
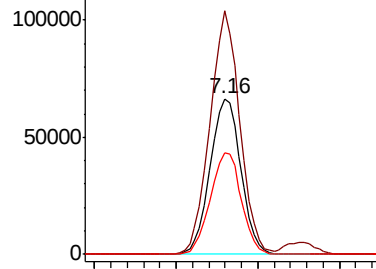
cis-1,2-Dichloroethene
 Concen: 48.112 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	96	Resp	174146
Ion Ratio	Lower	Upper	
96	100		
61	151.6	0.0	289.8
98	65.6	0.0	130.8



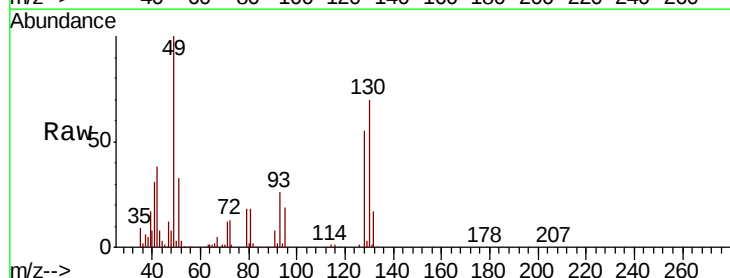
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



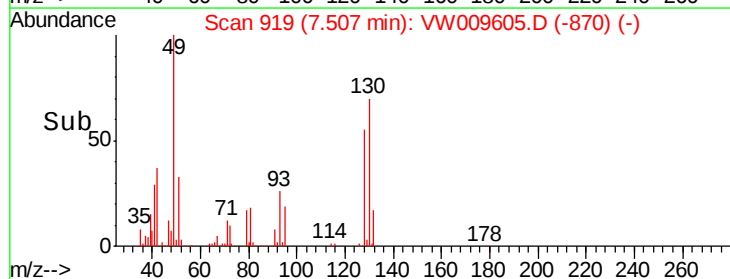
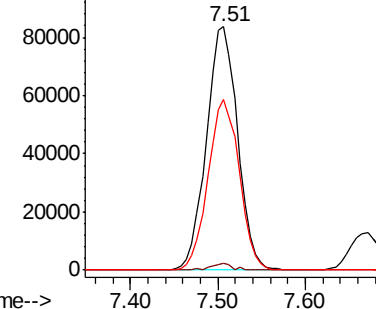
#28

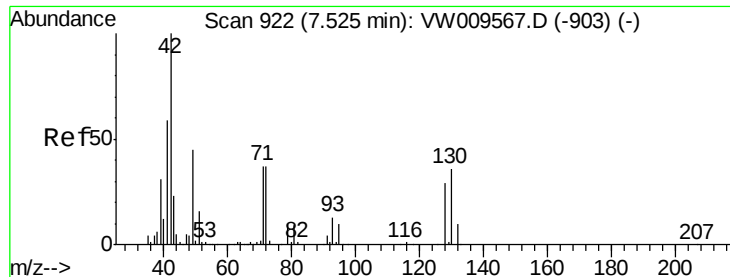
Bromochloromethane
 Concen: 73.836 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Tgt Ion	49	Resp	207646
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	1.4#
130	70.0	58.6	88.0



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

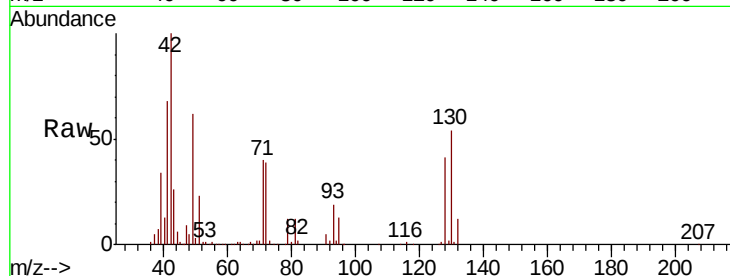




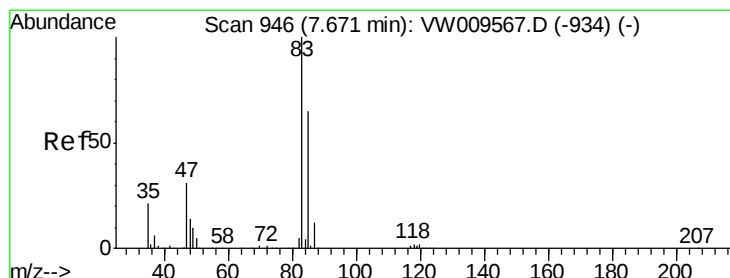
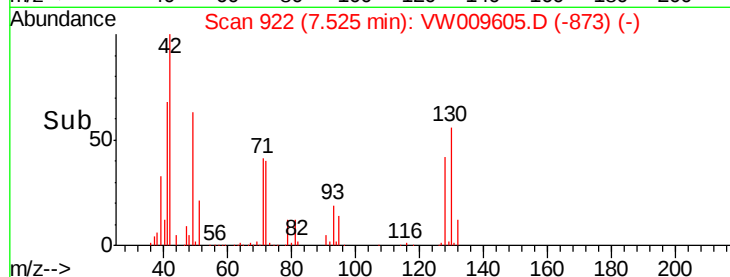
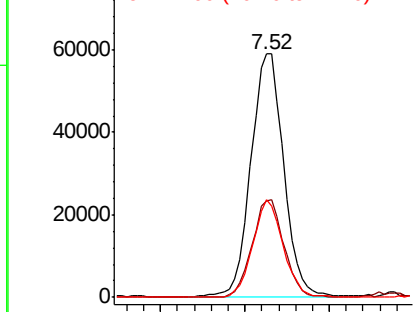
#29
Tetrahydrofuran
Concen: 219.116 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	32.4	48.6
71	37.3	30.1	45.1

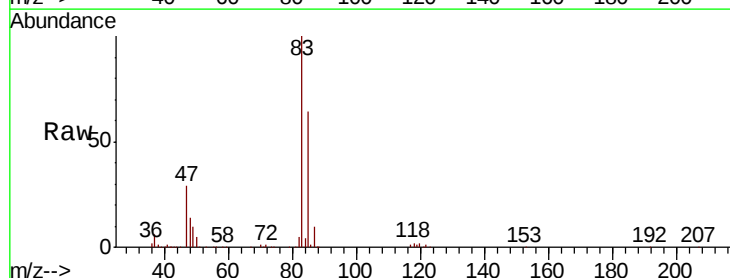


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

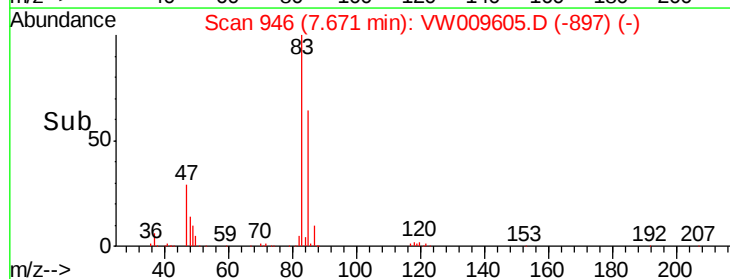
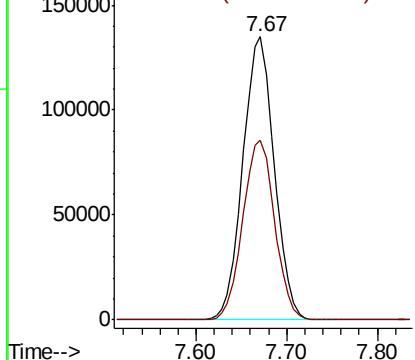


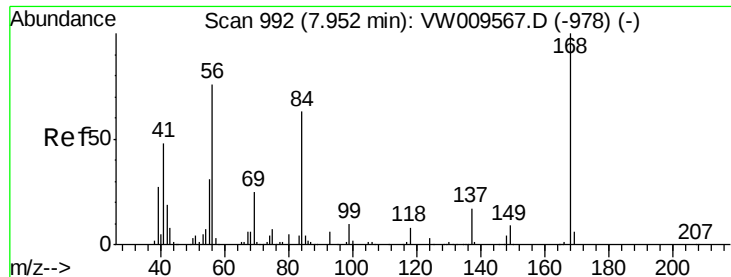
#30
Chloroform
Concen: 48.109 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.6



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

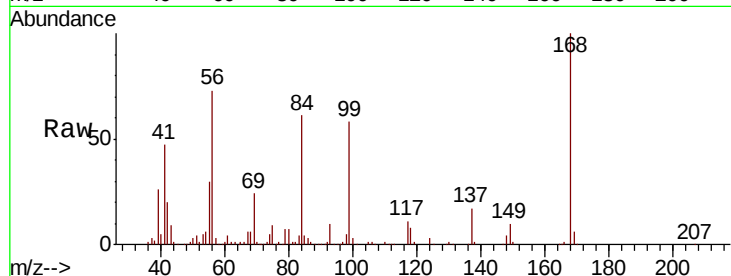




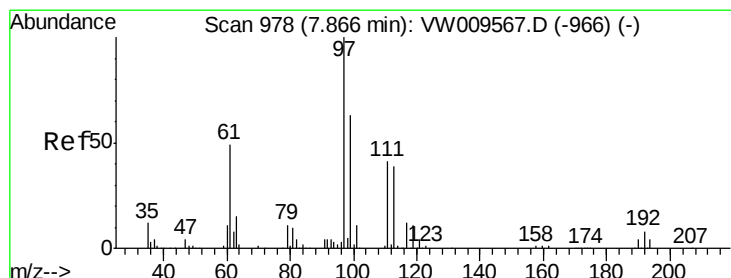
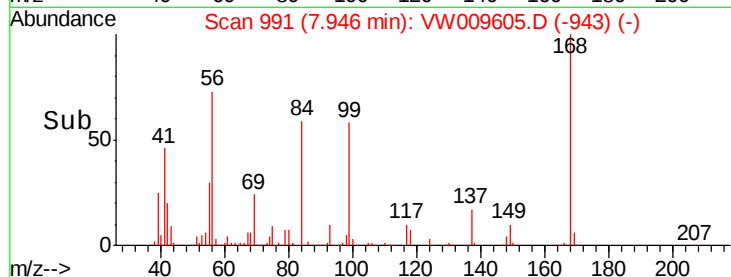
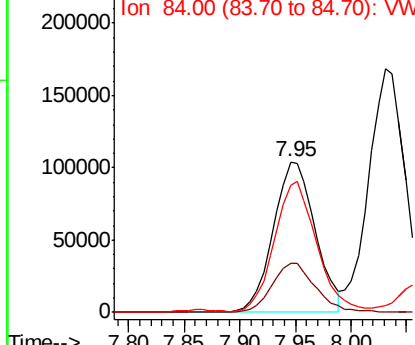
#31
Cyclohexane
Concen: 44.791 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 272530
Ion Ratio Lower Upper
56 100
69 32.3 26.1 39.1
84 82.7 68.6 103.0

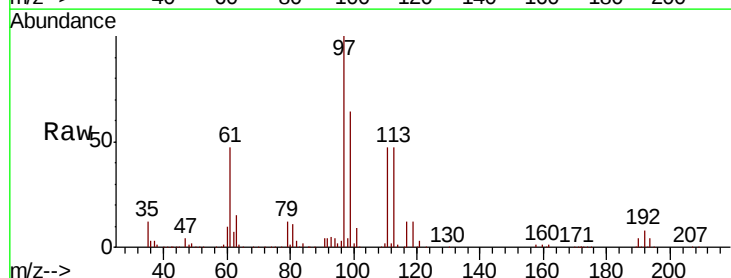


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

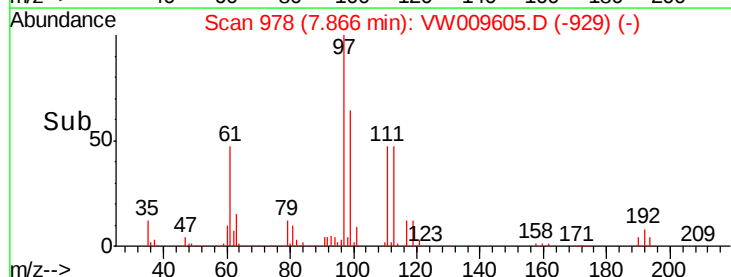
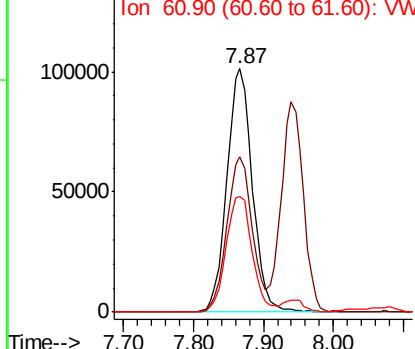


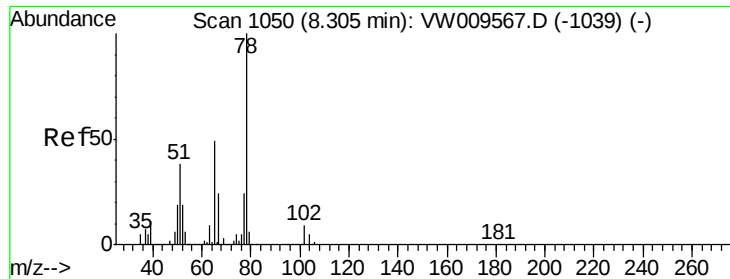
#32
1,1,1-Trichloroethane
Concen: 47.062 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion: 97 Resp: 256095
Ion Ratio Lower Upper
97 100
99 63.4 51.9 77.9
61 49.1 36.8 55.2



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

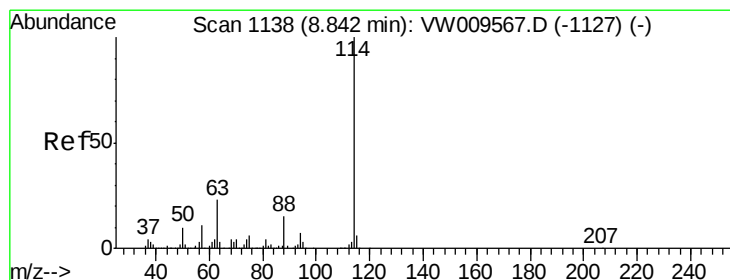
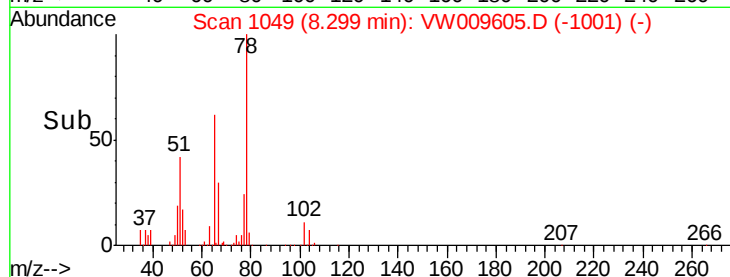
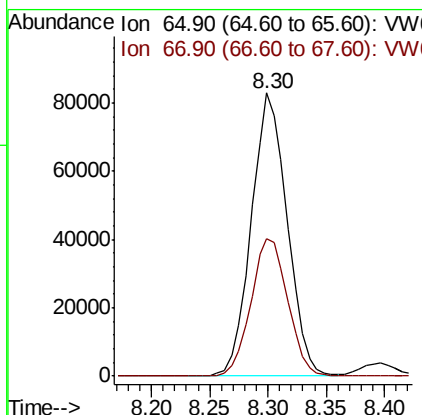
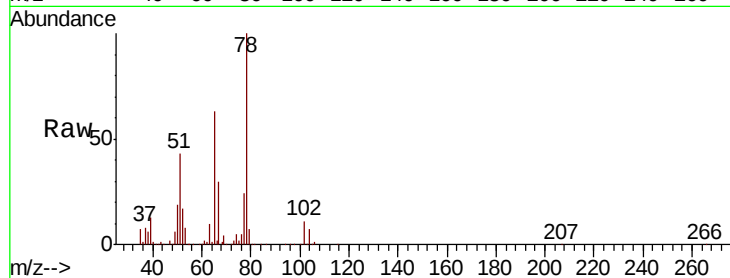




#33
 1,2-Dichloroethane-d4
 Concen: 47.855 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

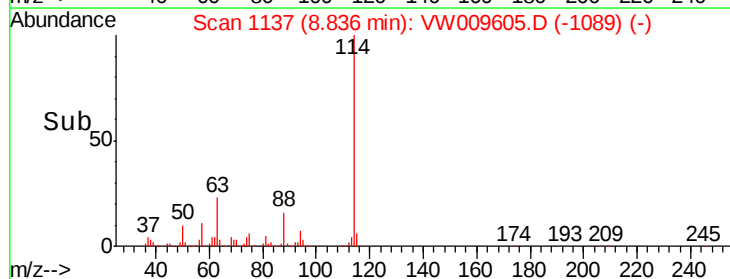
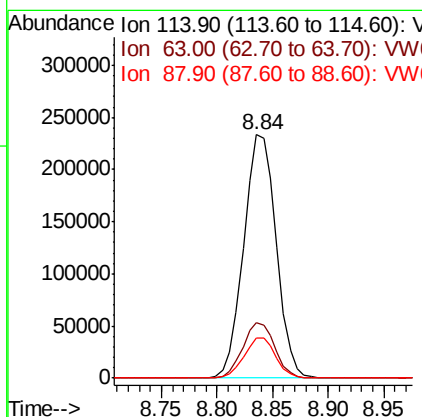
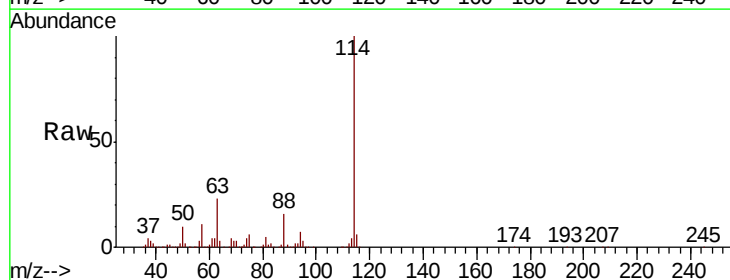
Instrument :
 MSVOA_W
 ClientSampleId :

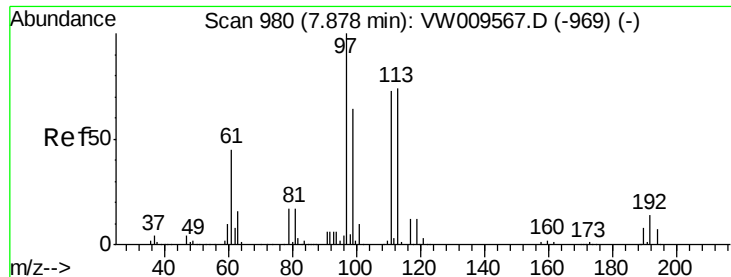
Tot Ion: 65 Resp: 176983
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Tgt Ion: 114 Resp: 473583
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 42.2
 88 16.3 0.0 30.8

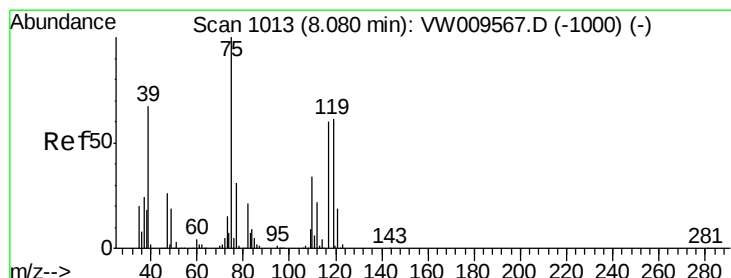
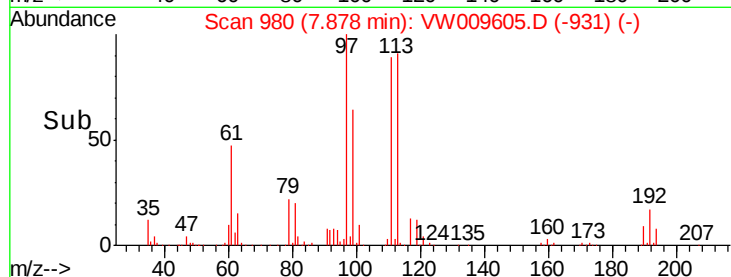
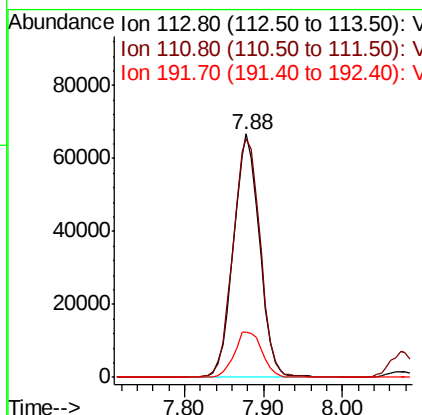
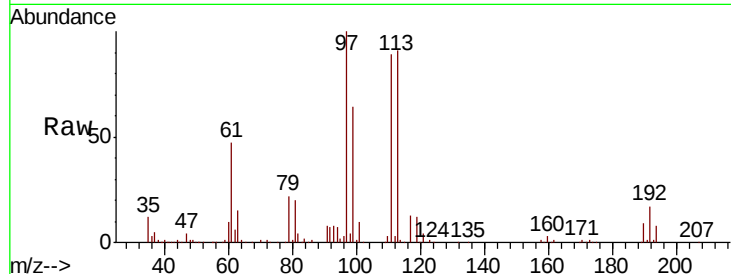




#35
 Dibromofluoromethane
 Concen: 51.373 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

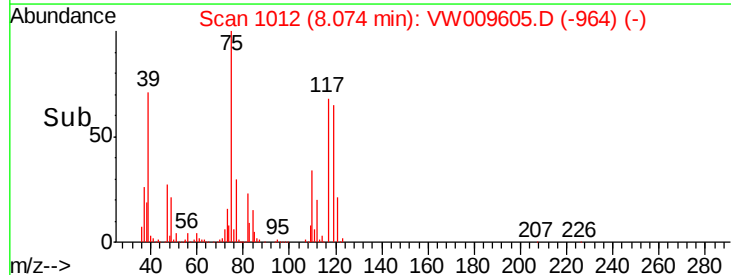
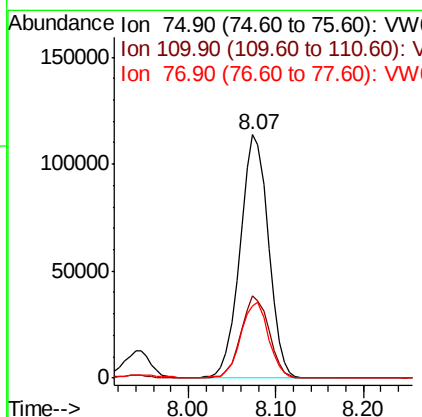
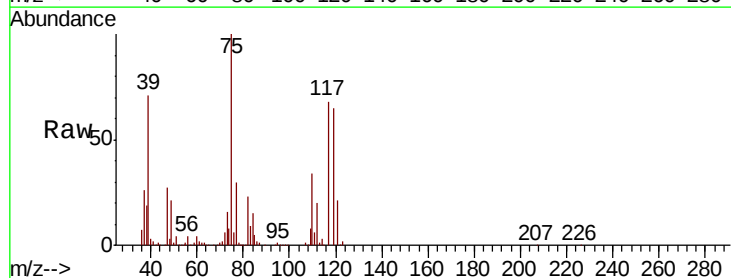
Instrument :
 MSVOA_W
 ClientSampleId :

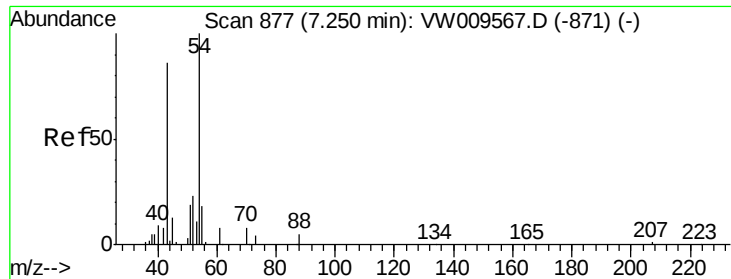
Tot Ion:113 Resp: 152807
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.6 124.0
 192 19.9 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 52.454 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Tgt Ion: 75 Resp: 256941
 Ion Ratio Lower Upper
 75 100
 110 33.3 16.8 50.4
 77 30.8 24.6 36.8

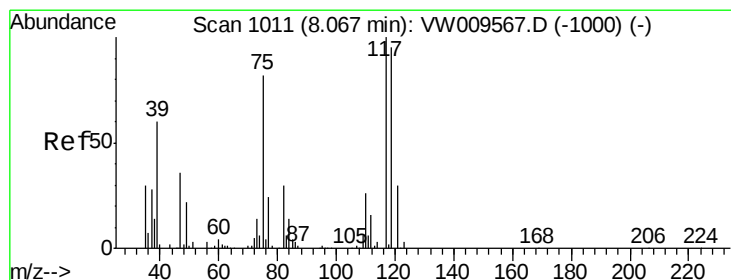
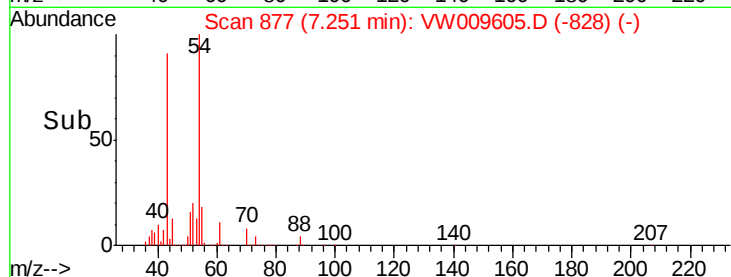
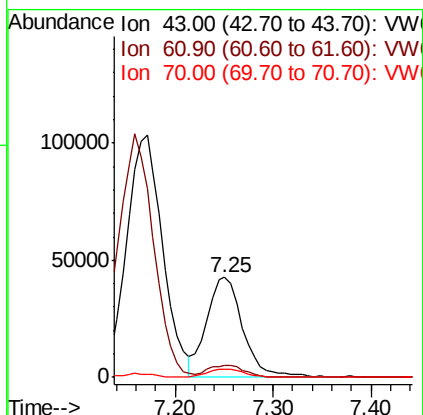
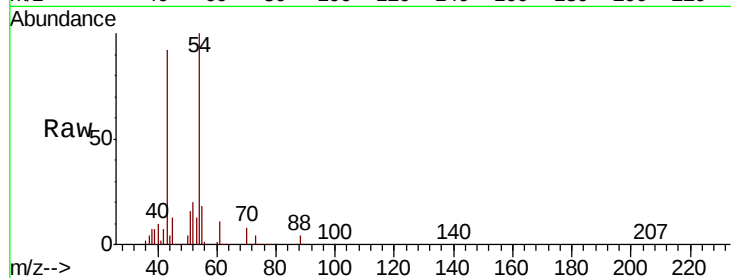




#37
Ethyl Acetate
Concen: 46.531 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

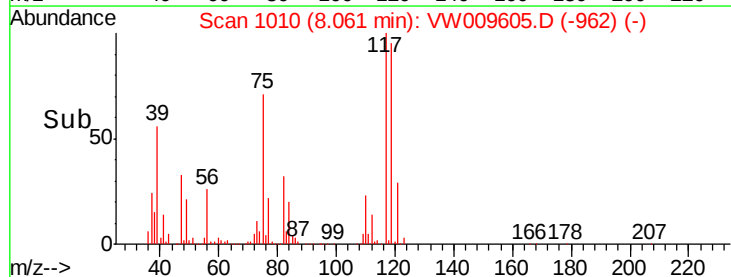
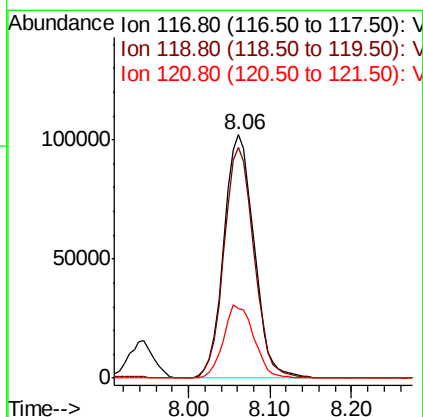
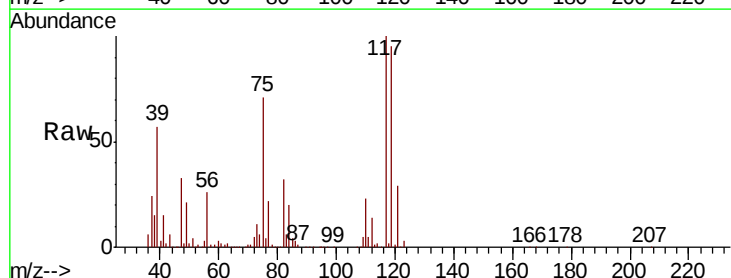
Instrument :
MSVOA_W
ClientSampleId :

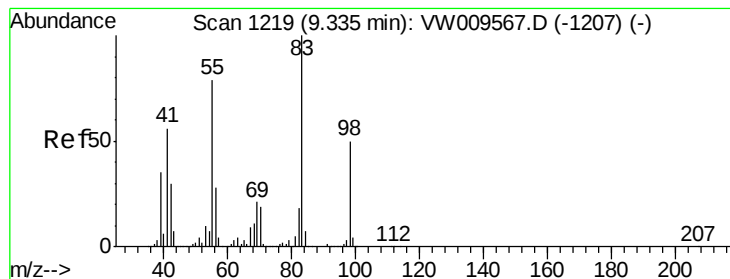
Tot Ion: 43 Resp: 108286
Ion Ratio Lower Upper
43 100
61 12.7 10.0 15.0
70 9.0 7.3 10.9



#38
Carbon Tetrachloride
Concen: 52.022 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion: 117 Resp: 261111
Ion Ratio Lower Upper
117 100
119 94.9 75.4 113.0
121 28.5 24.9 37.3





#39

Methvlcvclohexane

Concen: 52.181 ug/l

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampled :

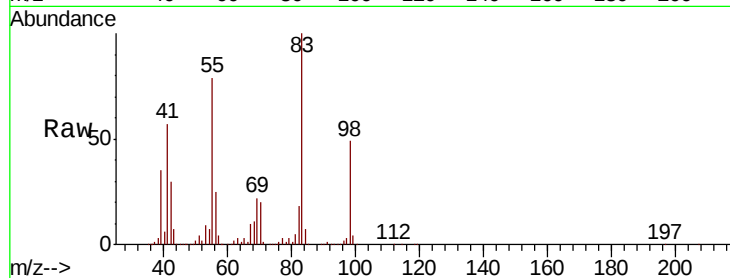
Tot Ion: 83 Resp: 291971

Ion Ratio Lower Upper

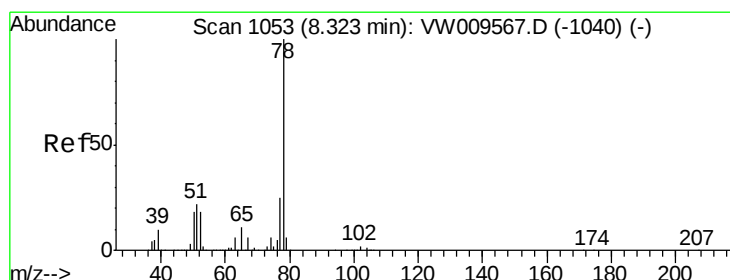
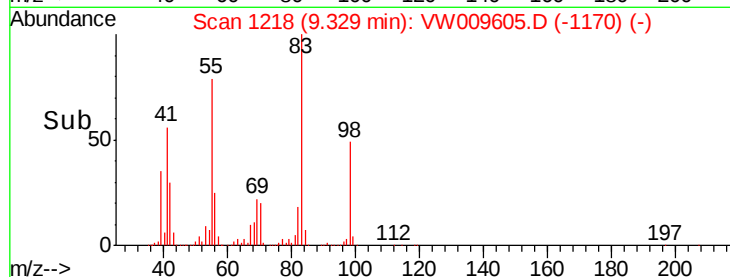
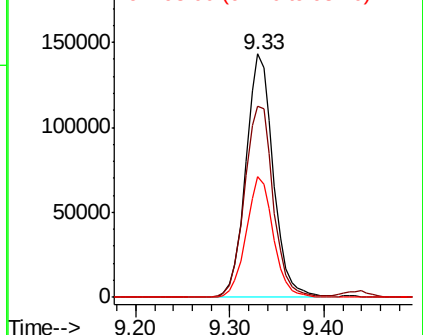
83 100

55 78.6 61.1 91.7

98 49.4 39.0 58.4



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



#40

Benzene

Concen: 51.554 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW009605.D

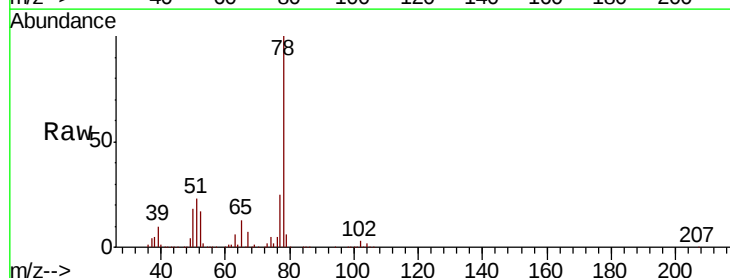
Acq: 31 Mar 2019 11:42

Tgt Ion: 78 Resp: 684010

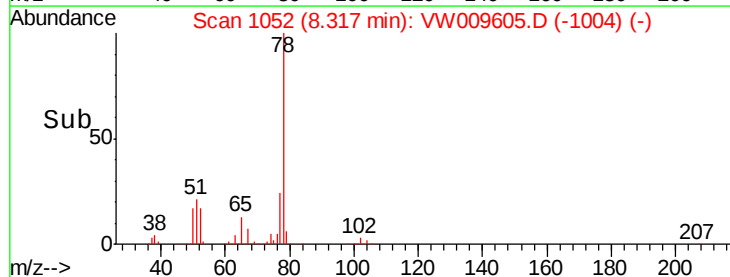
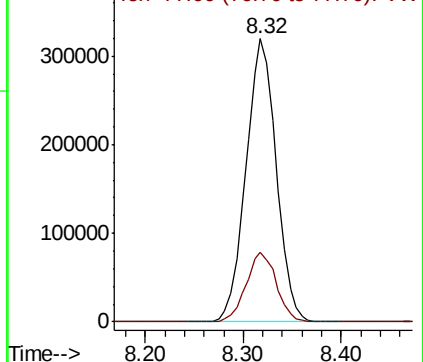
Ion Ratio Lower Upper

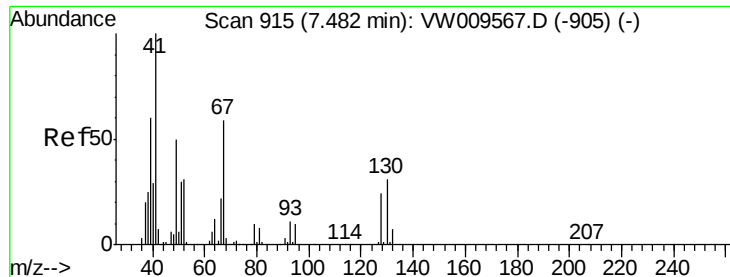
78 100

77 24.5 19.8 29.6



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

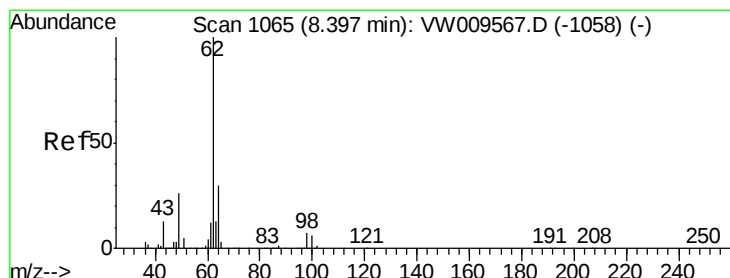
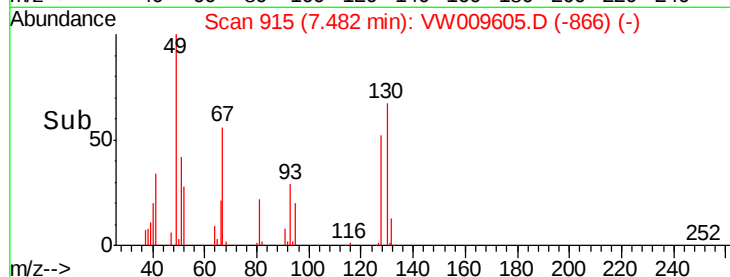
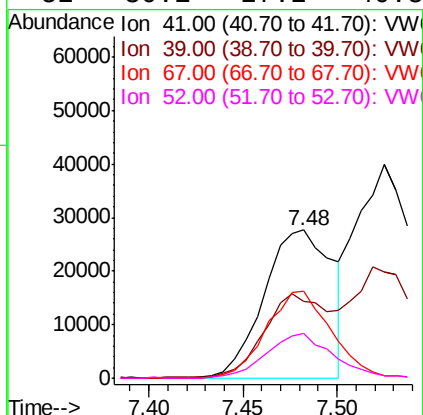
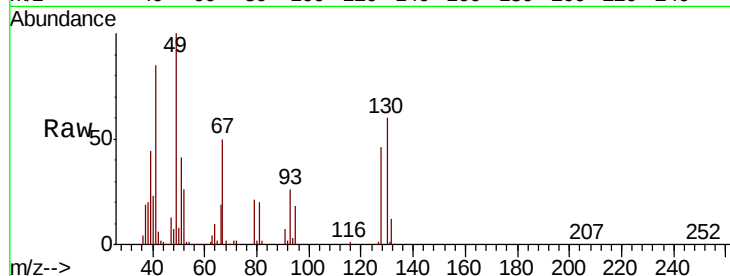




#41
Methacrylonitrile
Concen: 46.439 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

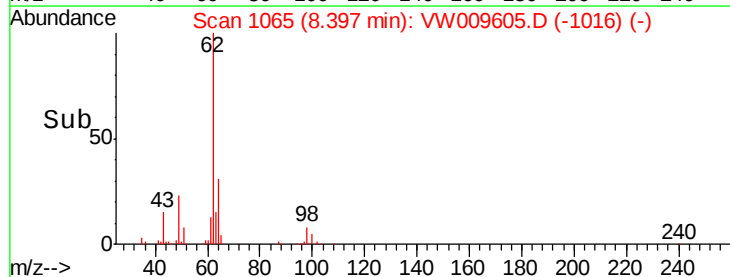
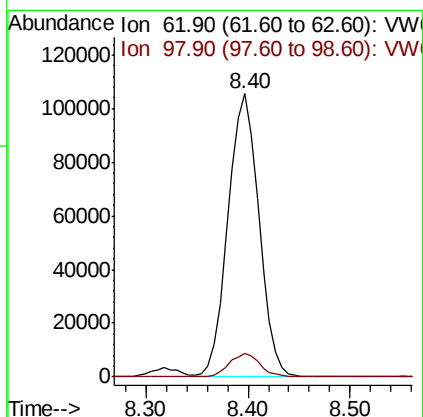
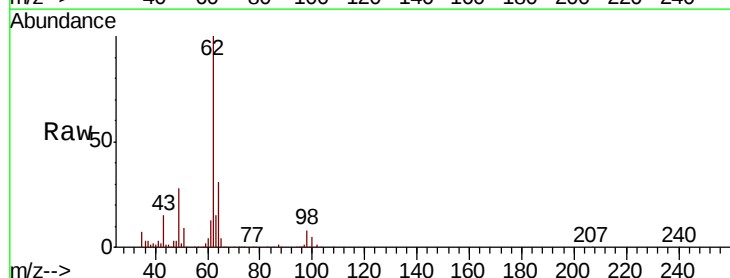
Instrument :
MSVOA_W
ClientSampled :

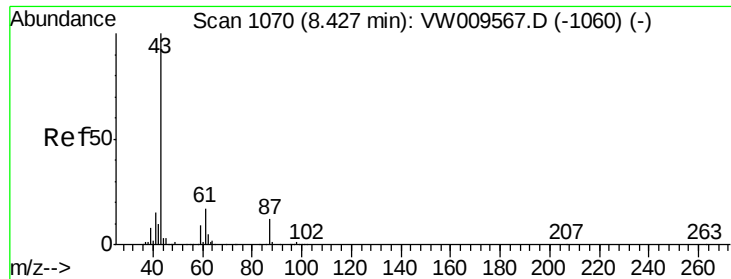
Tot Ion:	41	Resp:	69921
Ion	Ratio	Lower	Upper
41	100		
39	48.9	52.5	78.7#
67	56.3	56.6	84.8#
52	30.1	27.2	40.8



#42
1,2-Dichloroethane
Concen: 49.013 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion:	62	Resp:	221705
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.4





#43

Isopropyl Acetate

Concen: 46.577 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

ClientSampled :

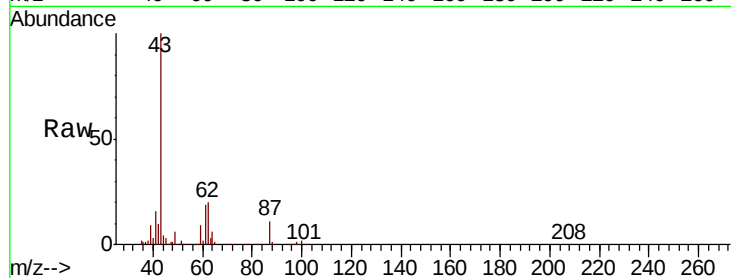
Tot Ion: 43 Resp: 212430

Ion Ratio Lower Upper

43 100

61 28.0 22.2 33.2

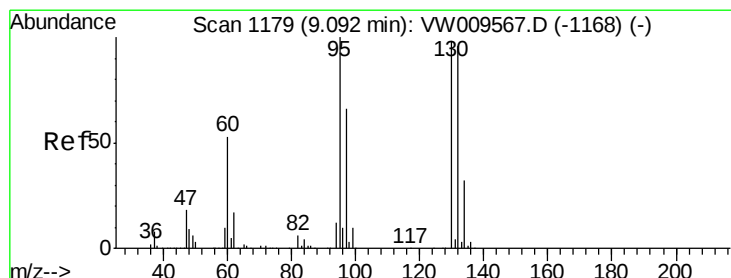
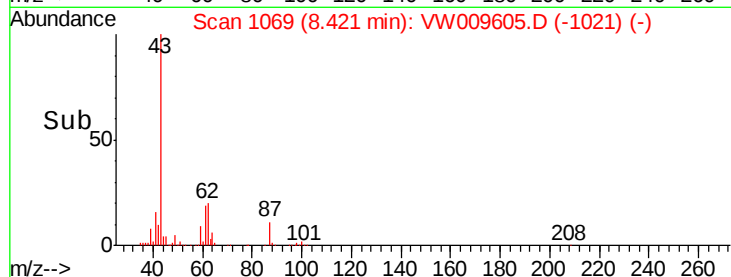
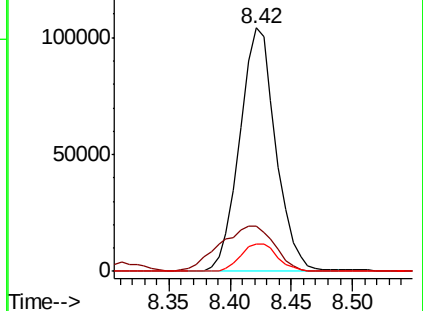
87 11.6 9.6 14.4



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: 51.250 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW009605.D

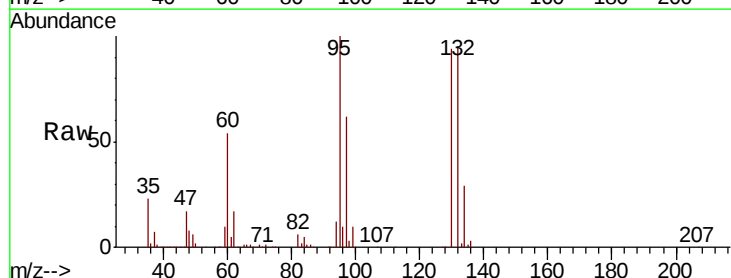
Acq: 31 Mar 2019 11:42

Tgt Ion:130 Resp: 176042

Ion Ratio Lower Upper

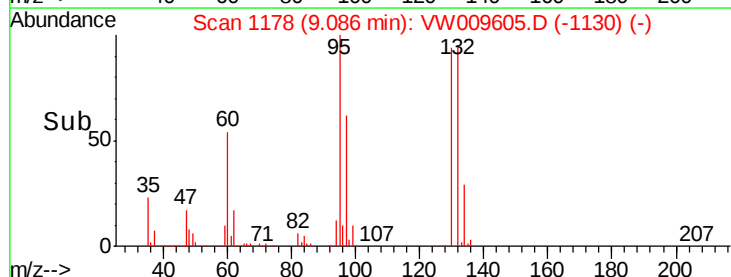
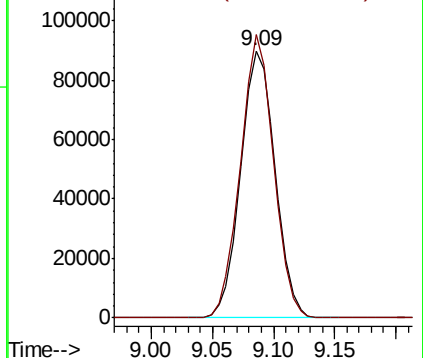
130 100

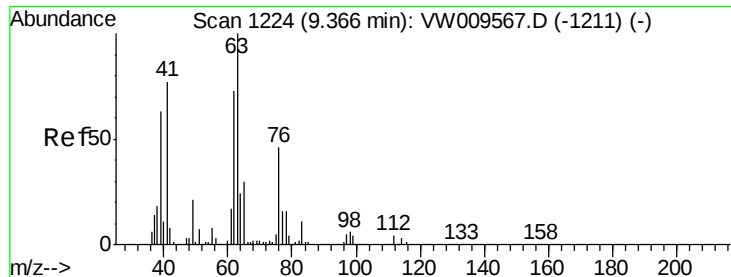
95 105.9 0.0 192.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 50.124 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

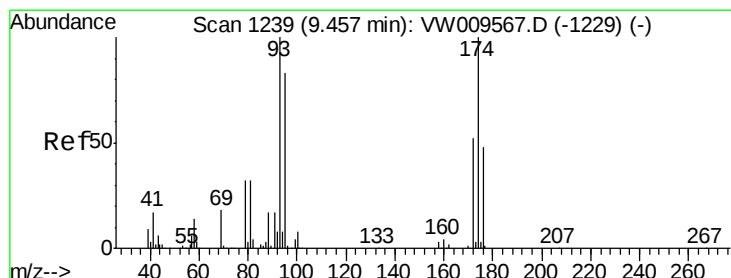
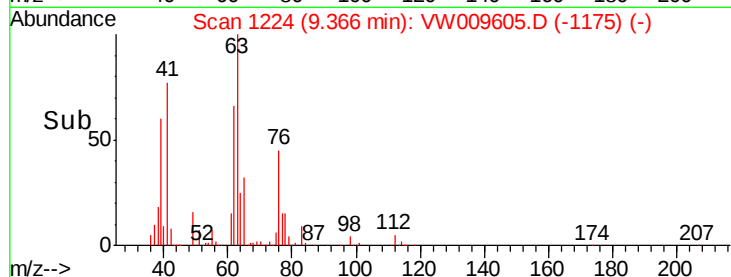
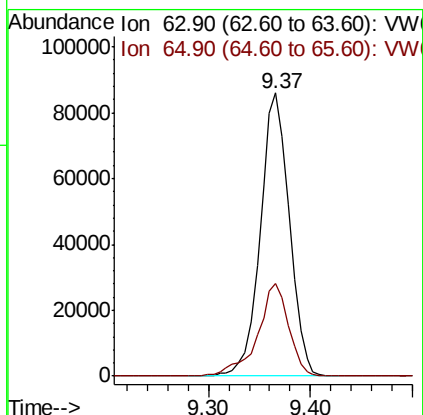
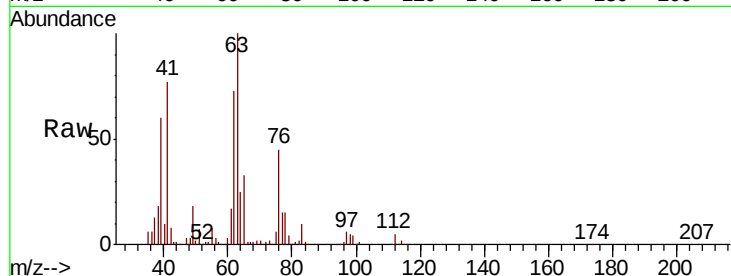
ClientSampleId :

Tot Ion: 63 Resp: 170227

Ion Ratio Lower Upper

63 100

65 32.6 25.8 38.8



#46

Dibromomethane

Concen: 48.468 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

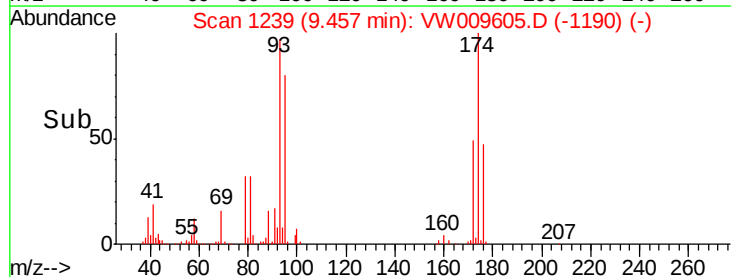
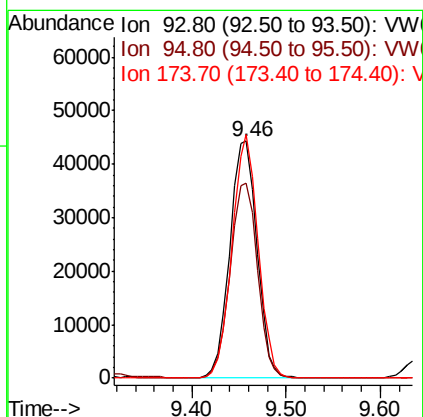
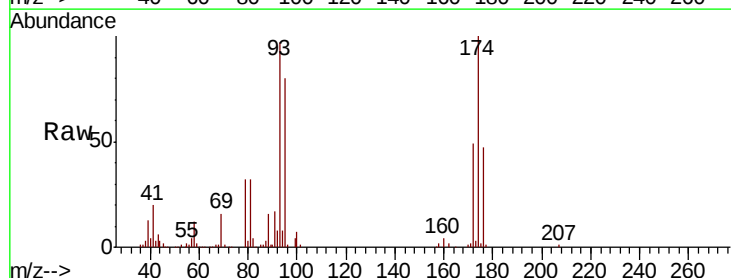
Tgt Ion: 93 Resp: 89168

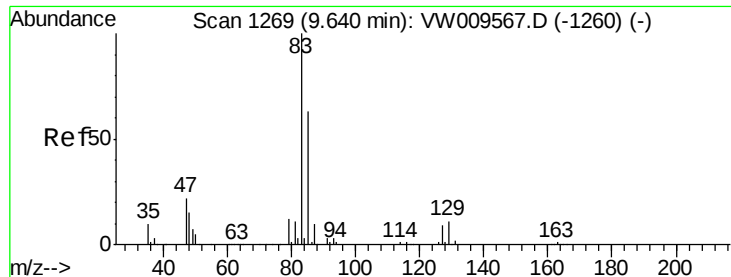
Ion Ratio Lower Upper

93 100

95 82.6 66.9 100.3

174 98.1 80.8 121.2





#47

Bromodichloromethane

Concen: 51.288 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

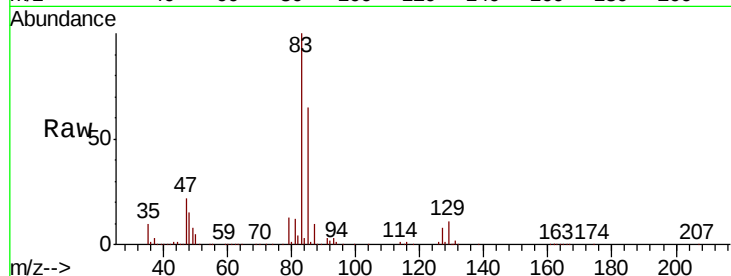
Tot Ion: 83 Resp: 240689

Ion Ratio Lower Upper

83 100

85 65.0 52.6 79.0

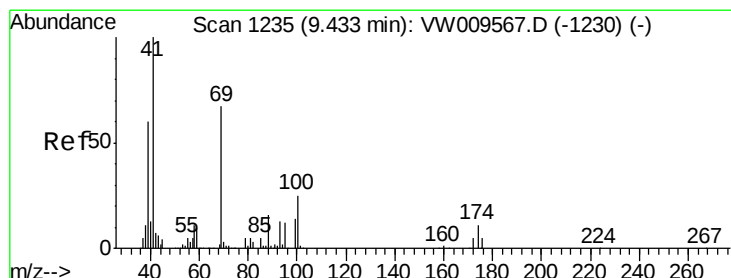
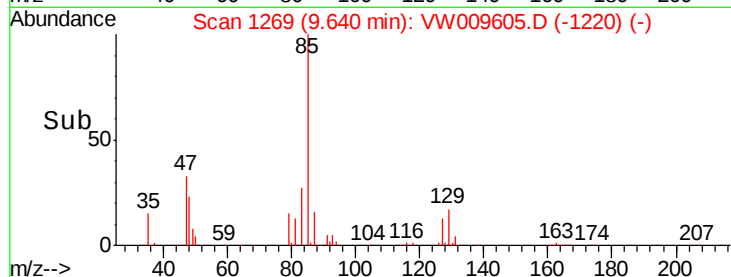
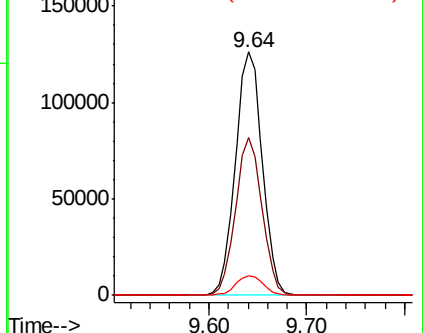
127 8.2 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 49.284 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

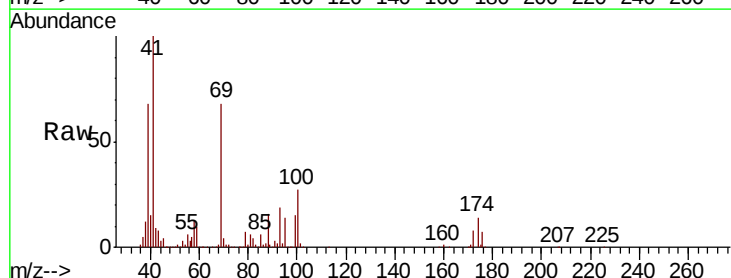
Tgt Ion: 41 Resp: 105367

Ion Ratio Lower Upper

41 100

69 74.2 63.0 94.6

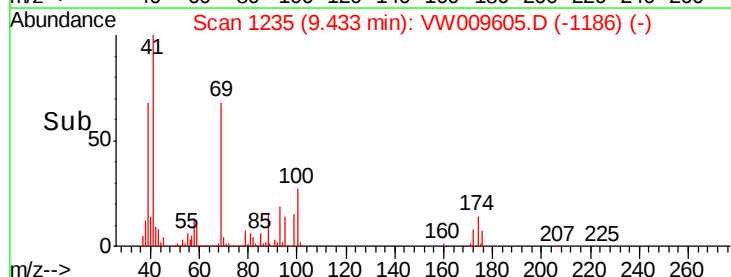
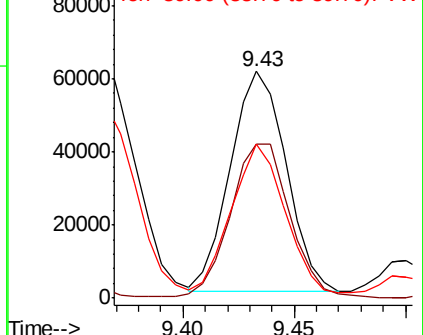
39 69.7 57.2 85.8

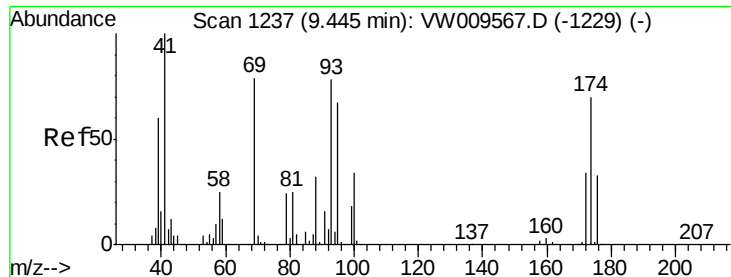


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

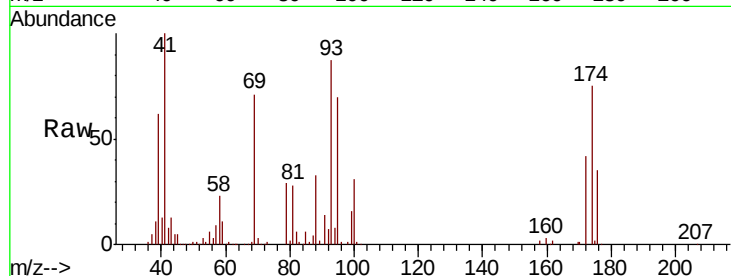




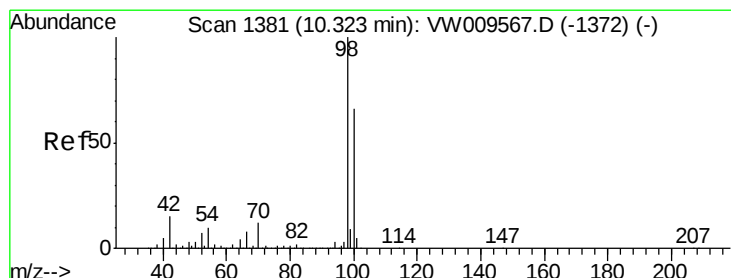
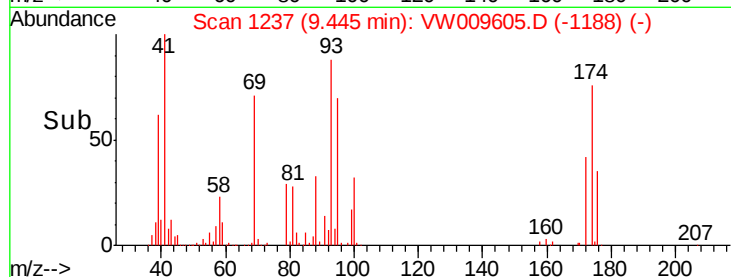
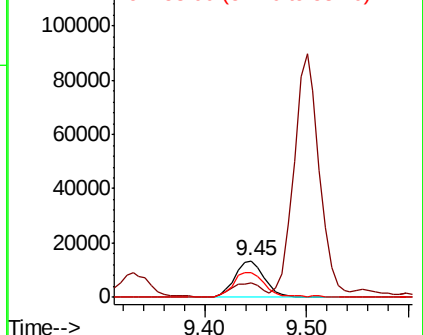
#49
1,4-Dioxane
Concen: 998.011 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 27343
Ion Ratio Lower Upper
88 100
43 38.9 29.7 44.5
58 72.4 58.1 87.1

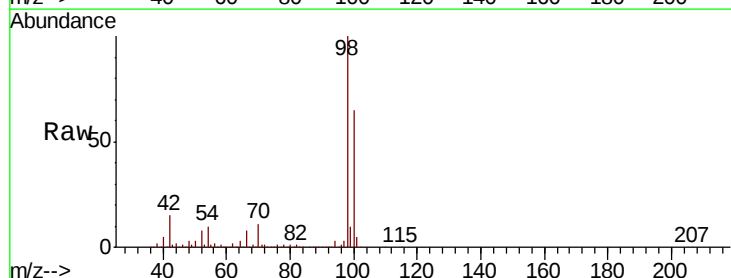


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

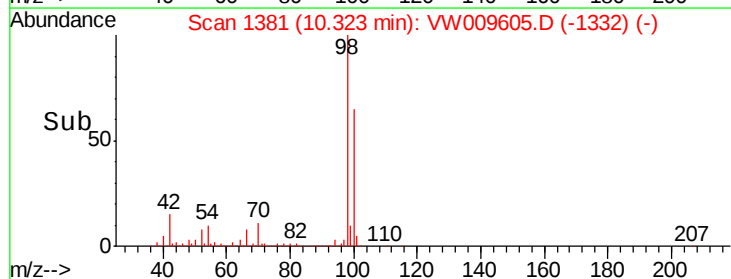
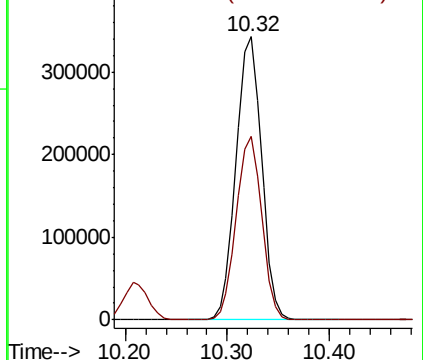


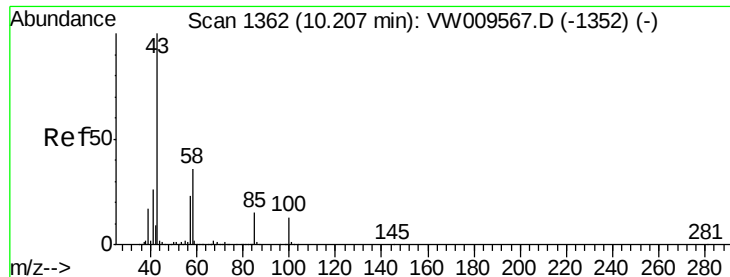
#50
Toluene-d8
Concen: 54.058 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion: 98 Resp: 594314
Ion Ratio Lower Upper
98 100
100 64.4 52.6 79.0



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





#51

4-Methyl-2-Pentanone

Concen: 235.111 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

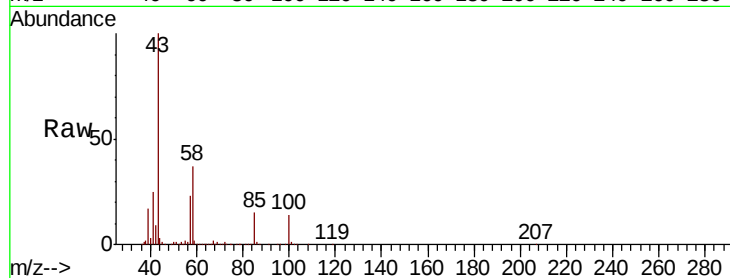
ClientSampled :

Tot Ion: 43 Resp: 573720

Ion Ratio Lower Upper

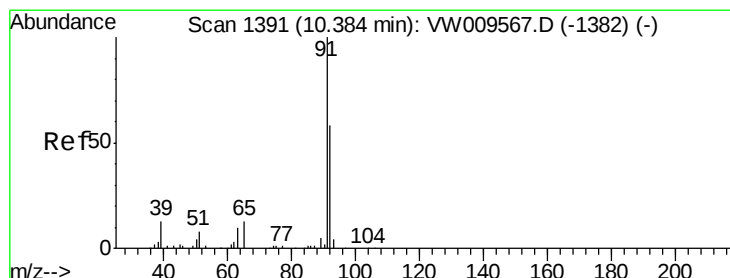
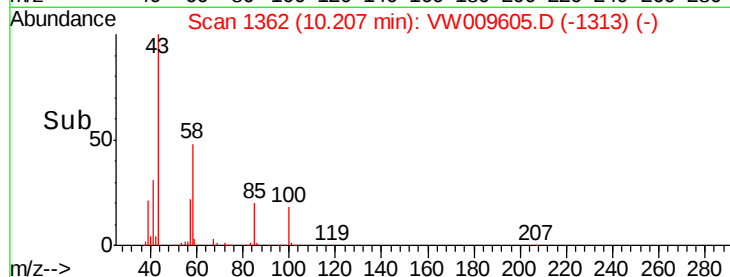
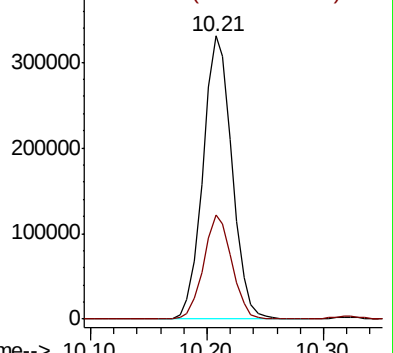
43 100

58 35.7 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 52.154 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009605.D

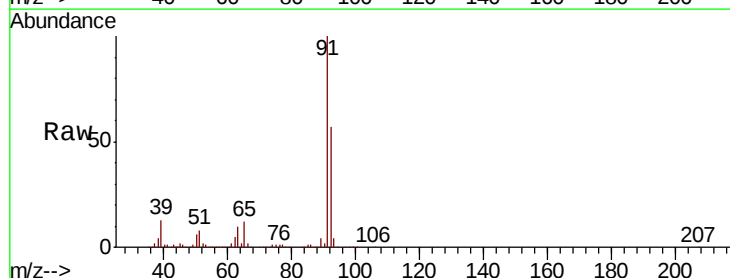
Acq: 31 Mar 2019 11:42

Tgt Ion: 92 Resp: 433345

Ion Ratio Lower Upper

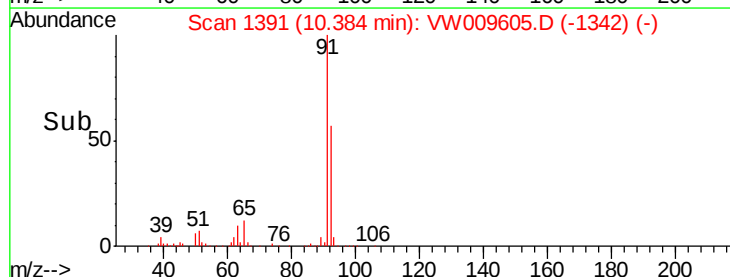
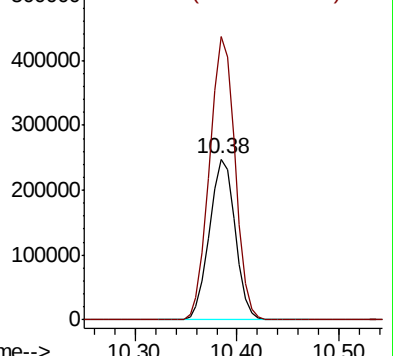
92 100

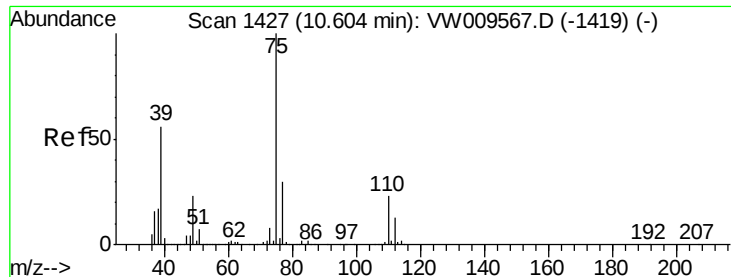
91 174.7 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 50.908 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

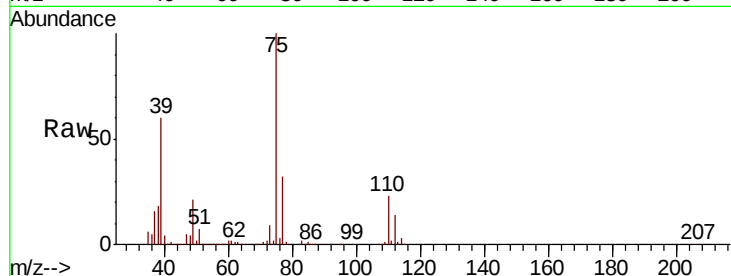
ClientSampled :

Tot Ion: 75 Resp: 233927

Ion Ratio Lower Upper

75 100

77 32.2 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

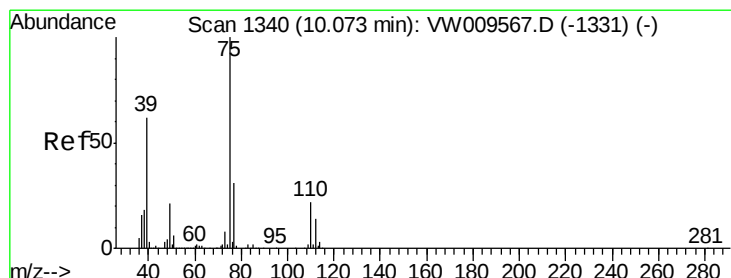
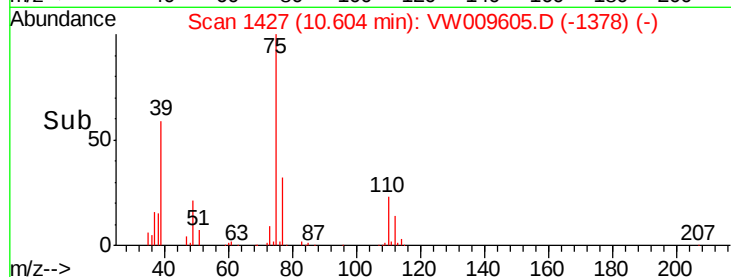
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.254 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

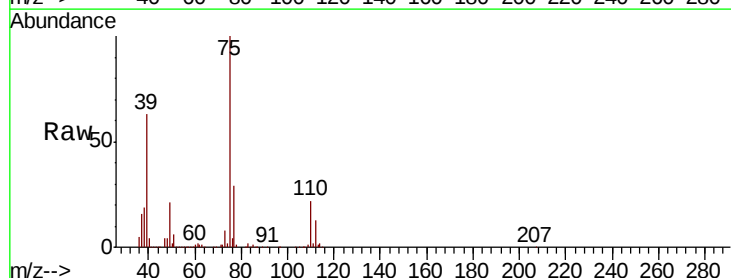
Tgt Ion: 75 Resp: 266228

Ion Ratio Lower Upper

75 100

77 29.0 25.9 38.9

39 62.7 46.8 70.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

200000

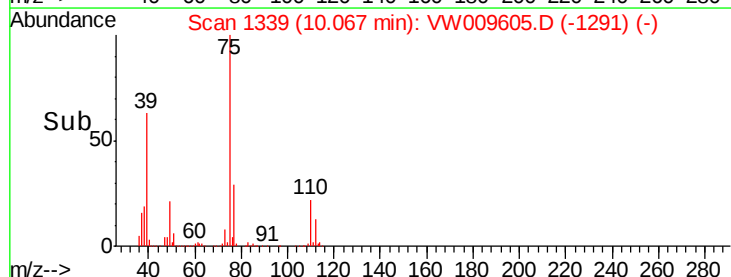
150000

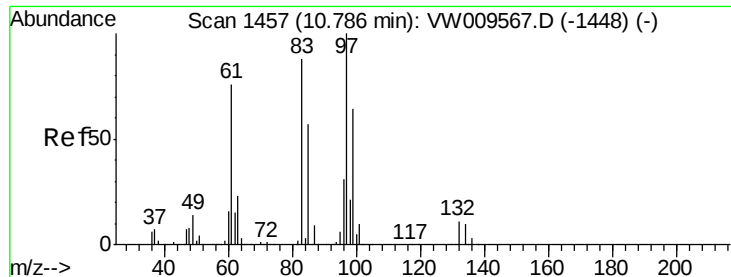
100000

50000

0

Time-->

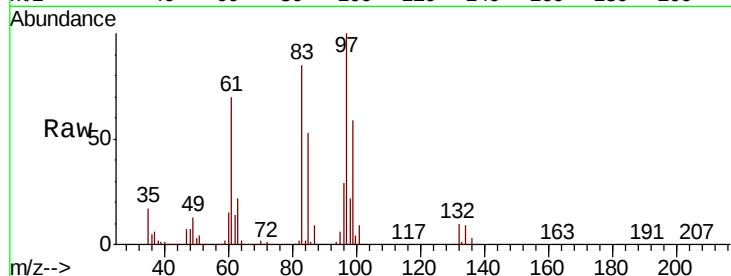




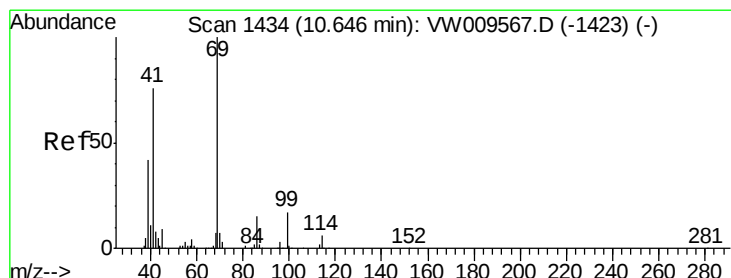
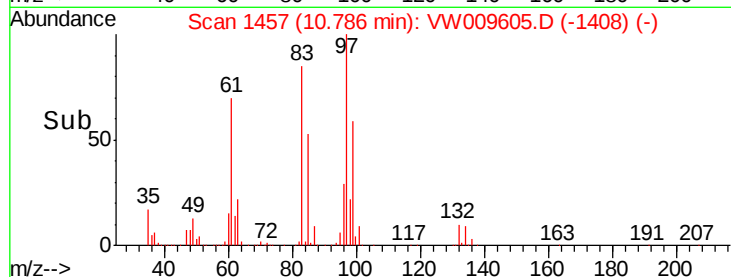
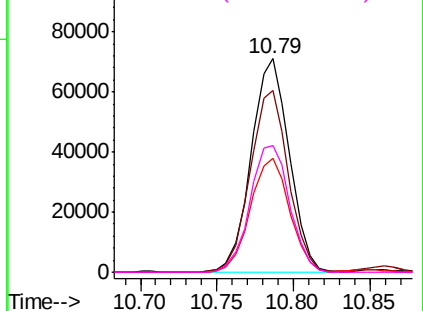
#55
 1,1,2-Trichloroethane
 Concen: 49.466 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	123011
Ion	Ratio	Lower	Upper
97	100		
83	85.2	66.3	99.5
85	53.2	41.4	62.2
99	59.2	48.7	73.1

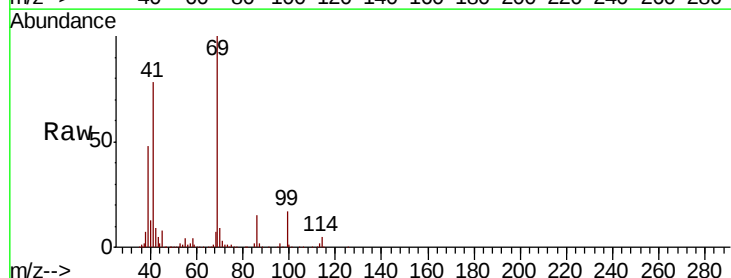


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

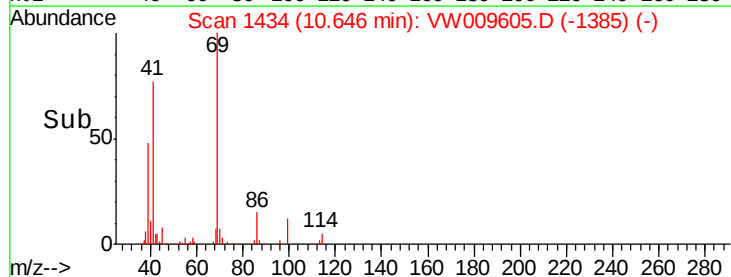
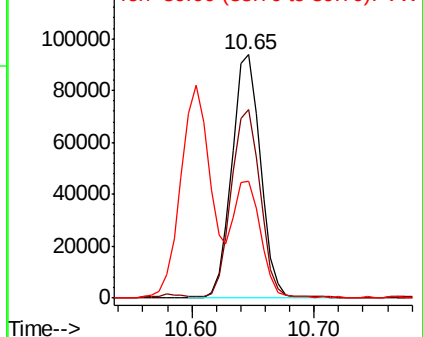


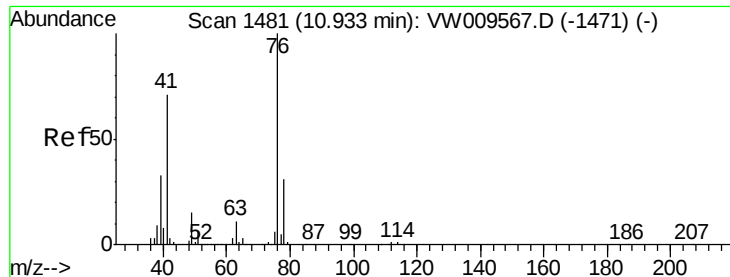
#56
 Ethyl methacrylate
 Concen: 44.545 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Tgt Ion:	69	Resp:	151875
Ion	Ratio	Lower	Upper
69	100		
41	78.2	59.3	88.9
39	44.4	36.2	54.2



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





#57

1,3-Dichloropropane

Concen: 49.403 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

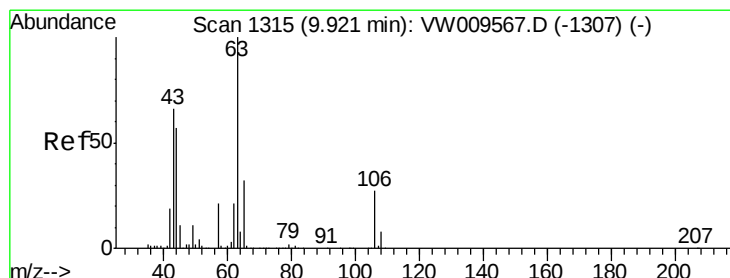
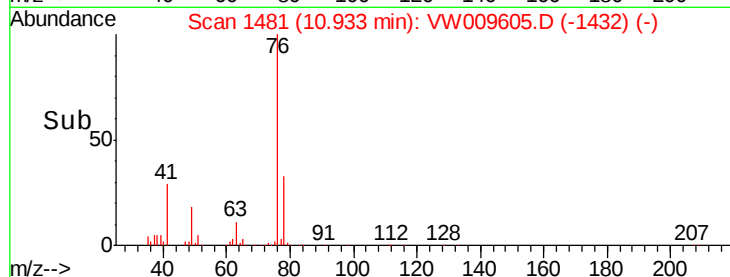
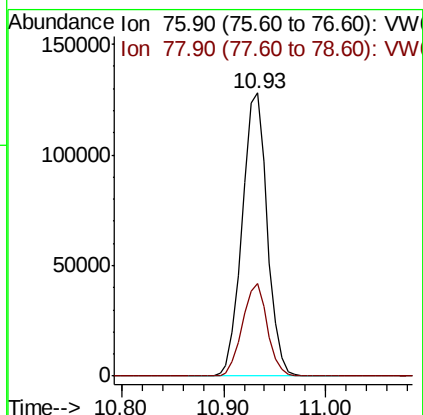
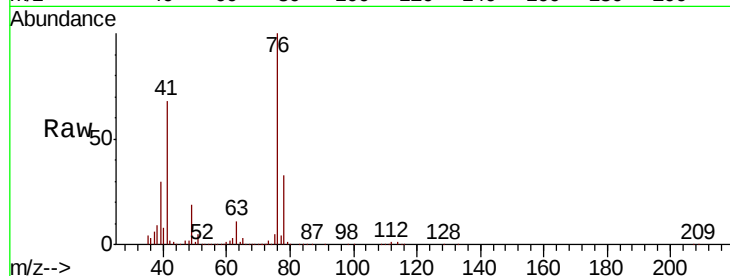
ClientSampled :

Tot Ion: 76 Resp: 217768

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 224.089 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW009605.D

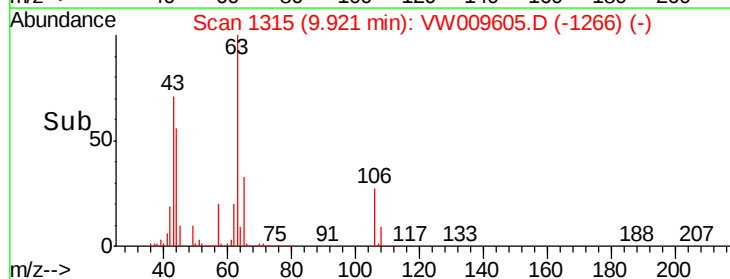
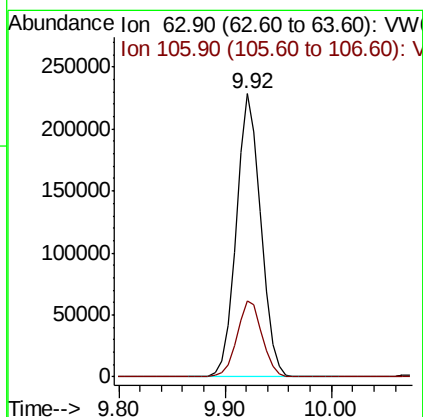
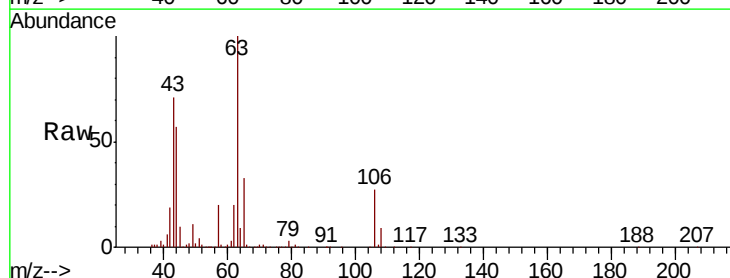
Acq: 31 Mar 2019 11:42

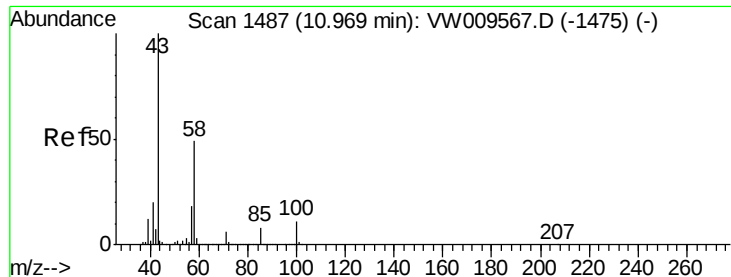
Tgt Ion: 63 Resp: 368746

Ion Ratio Lower Upper

63 100

106 27.5 22.9 34.3

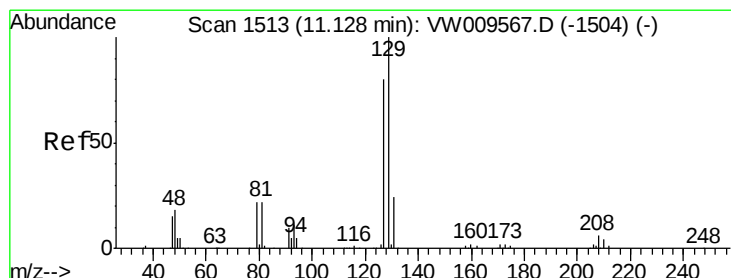
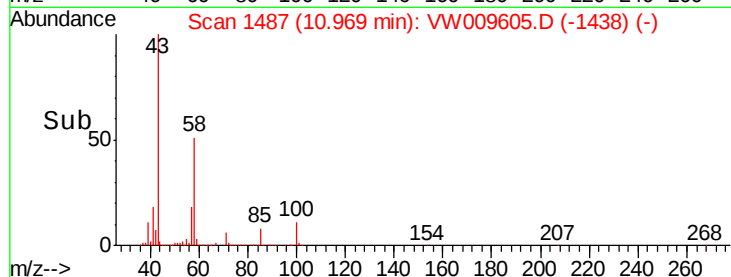
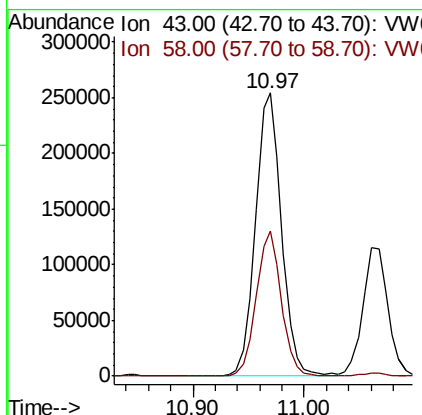
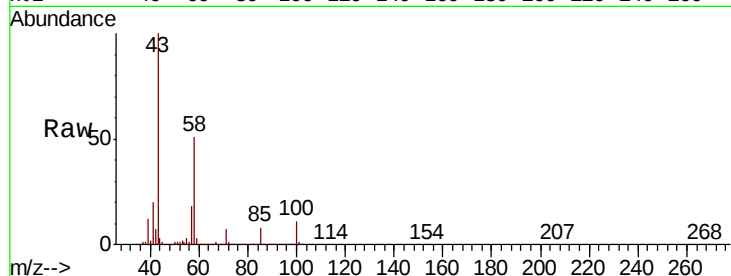




#59
2-Hexanone
Concen: 244.820 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

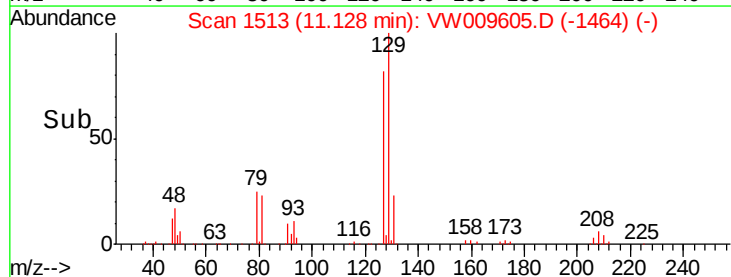
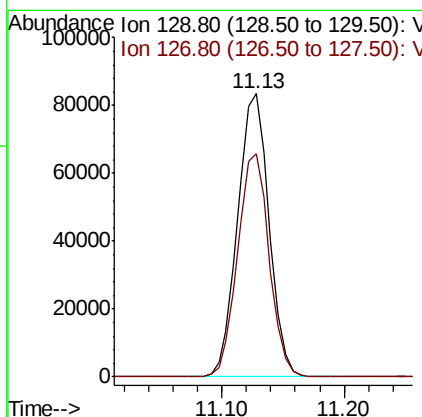
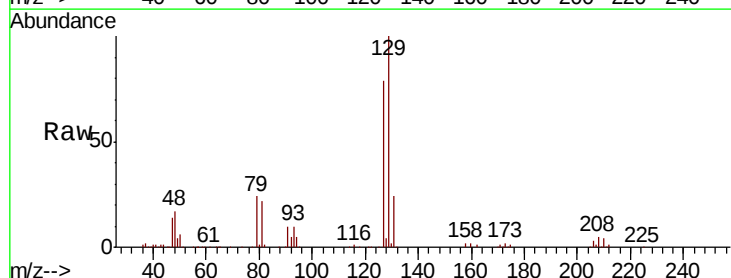
Instrument :
MSVOA_W
ClientSampleId :

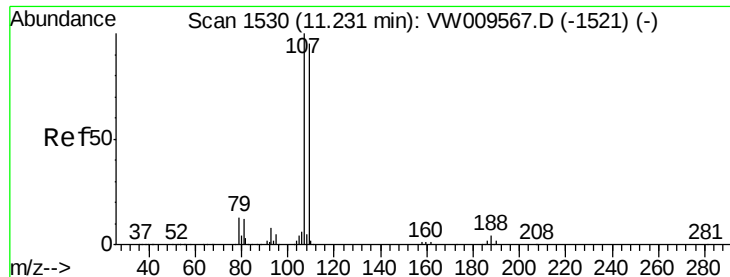
Tot Ion: 43 Resp: 413452
Ion Ratio Lower Upper
43 100
58 49.4 24.2 72.6



#60
Dibromochloromethane
Concen: 49.483 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion: 129 Resp: 148582
Ion Ratio Lower Upper
129 100
127 78.9 38.1 114.5





#61

1,2-Dibromoethane

Concen: 48.957 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

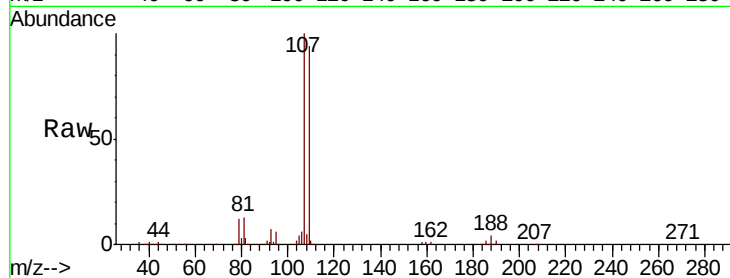
ClientSampleId :

Tot Ion:107 Resp: 116748

Ion Ratio Lower Upper

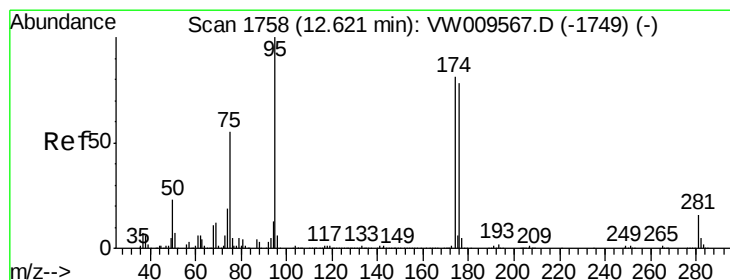
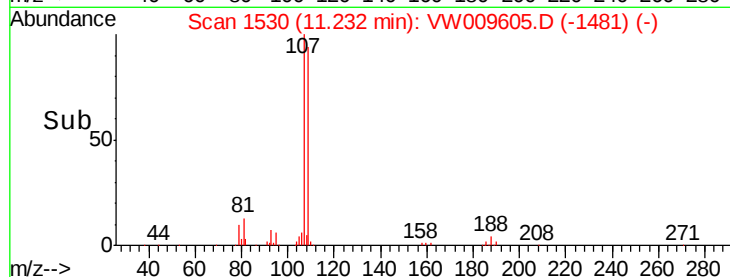
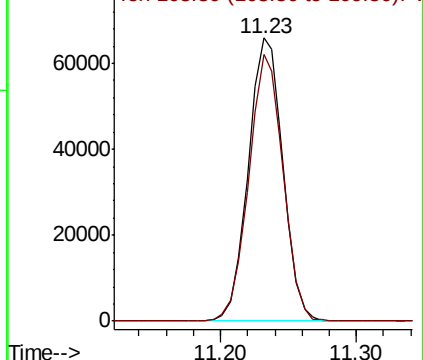
107 100

109 93.7 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.031 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

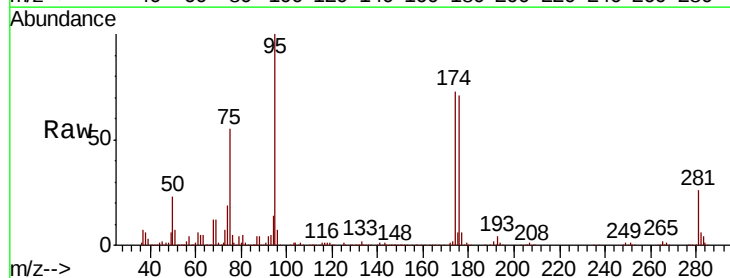
Tgt Ion: 95 Resp: 221601

Ion Ratio Lower Upper

95 100

174 79.3 0.0 168.4

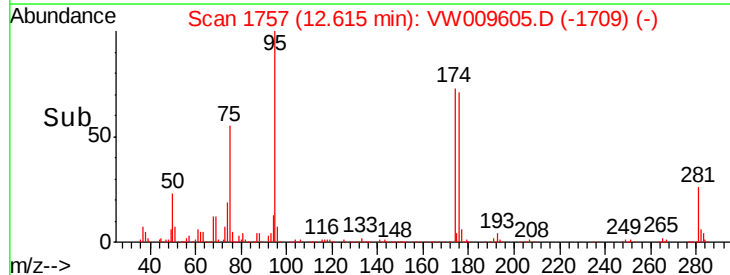
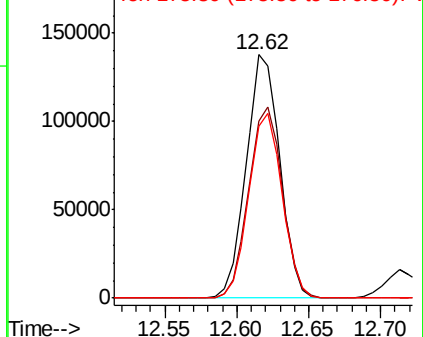
176 75.7 0.0 161.6

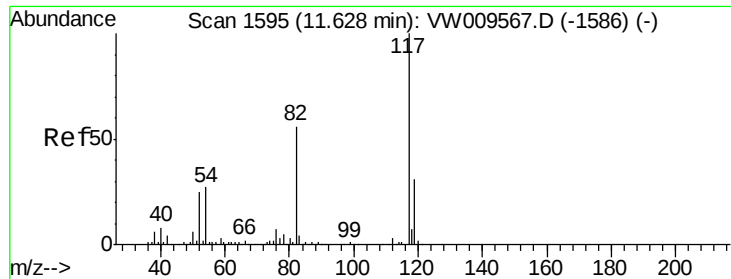


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

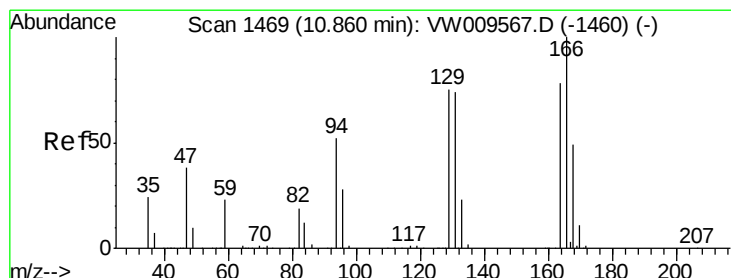
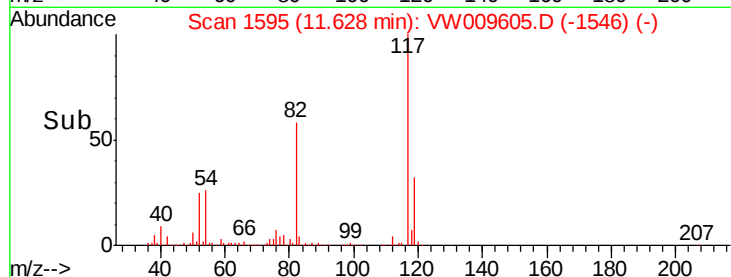
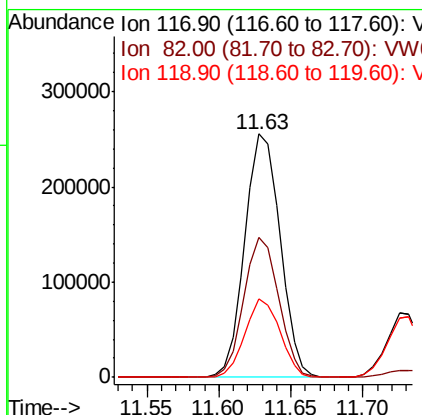
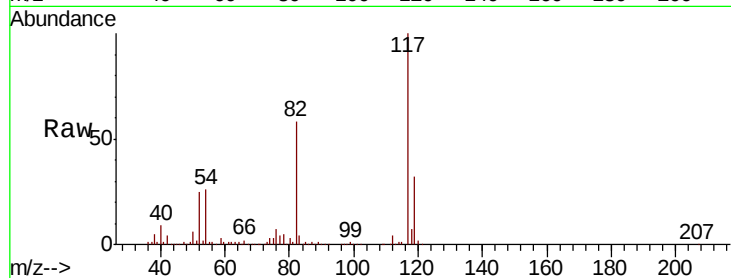




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

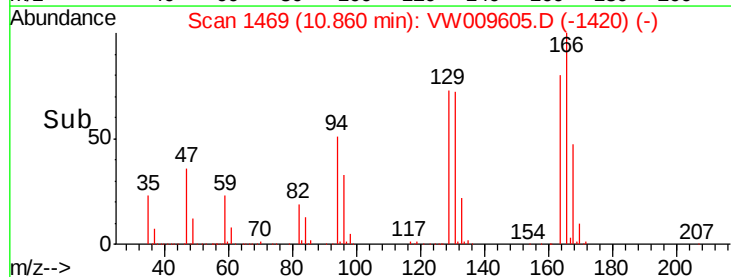
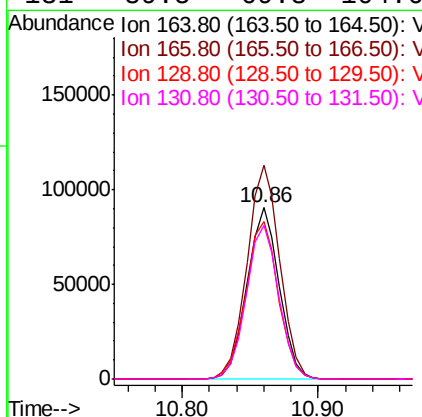
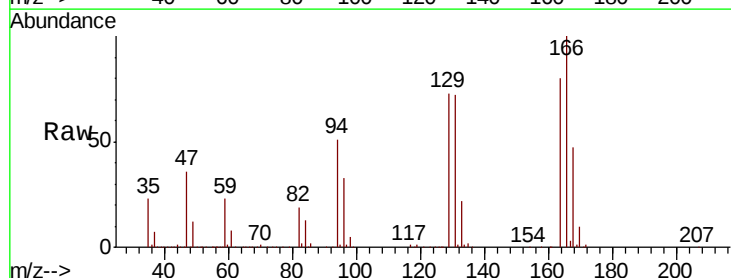
Instrument :
MSVOA_W
ClientSampleId :

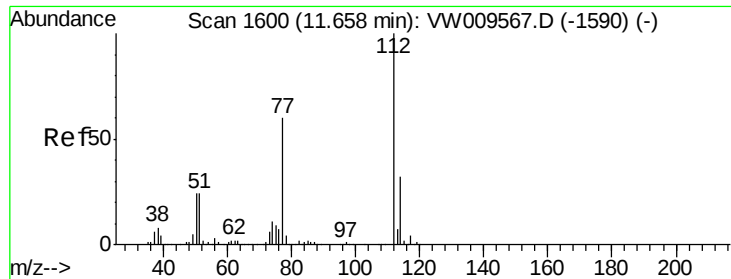
Tot Ion:117 Resp: 434762
Ion Ratio Lower Upper
117 100
82 57.7 43.6 65.4
119 32.4 26.0 39.0



#64
Tetrachloroethene
Concen: 50.527 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion:164 Resp: 149151
Ion Ratio Lower Upper
164 100
166 124.8 100.9 151.3
129 91.7 72.0 108.0
131 89.5 69.8 104.6

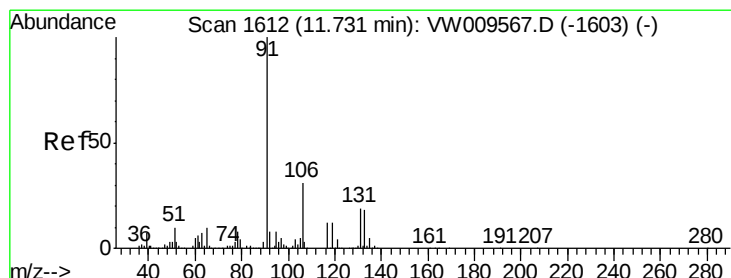
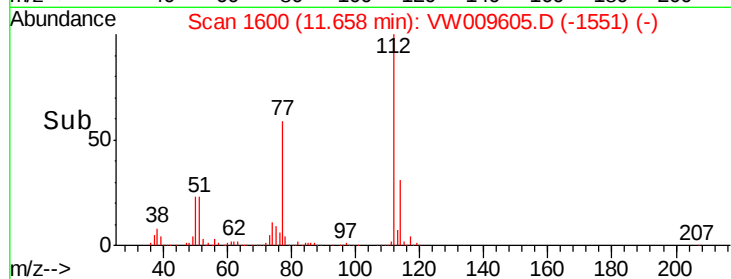
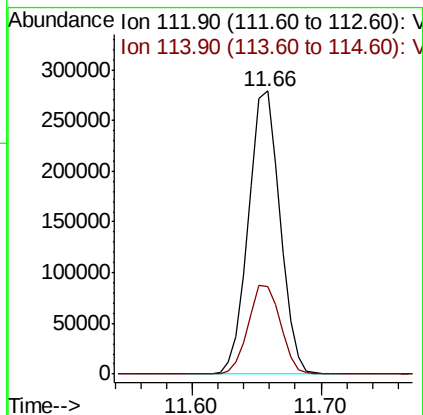
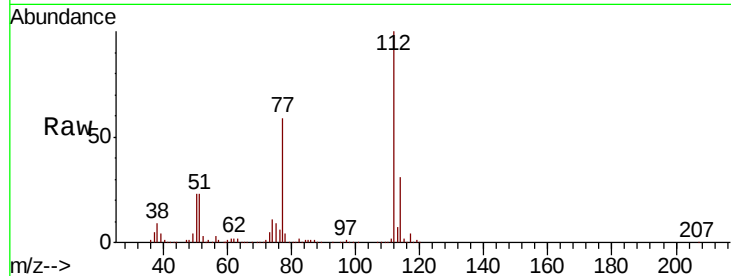




#65
Chlorobenzene
Concen: 51.438 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

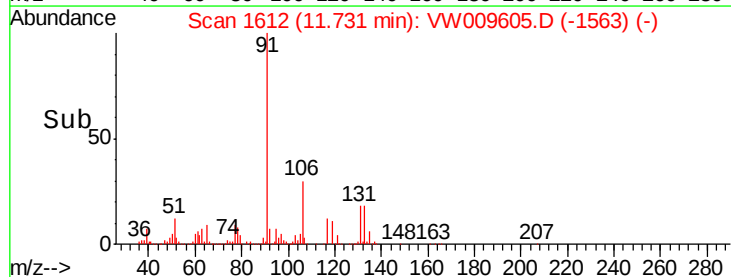
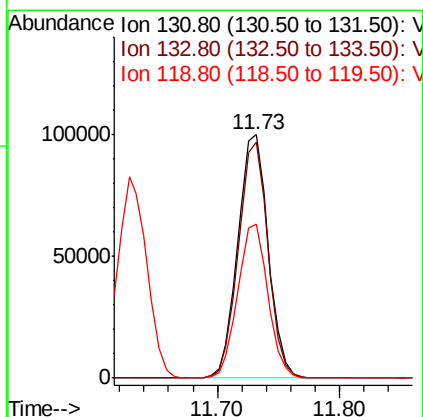
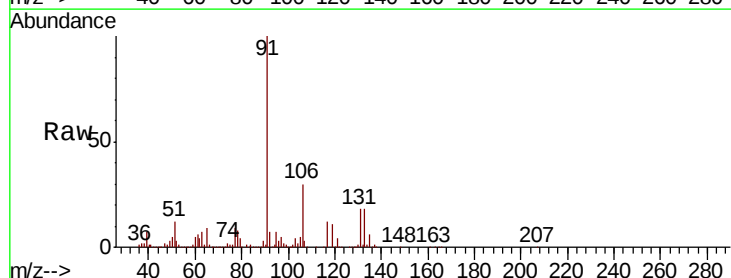
Instrument :
MSVOA_W
ClientSampleId :

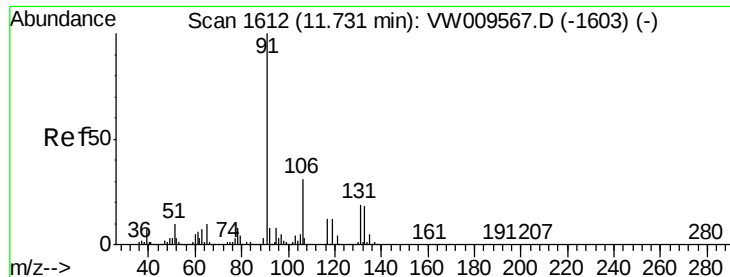
Tot Ion:112 Resp: 471004
Ion Ratio Lower Upper
112 100
114 31.1 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.382 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion:131 Resp: 171426
Ion Ratio Lower Upper
131 100
133 94.8 47.3 141.8
119 63.0 31.6 95.0

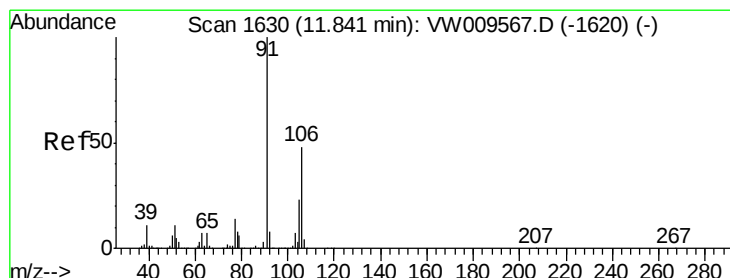
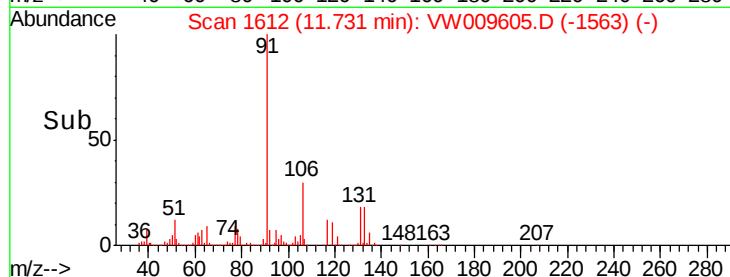
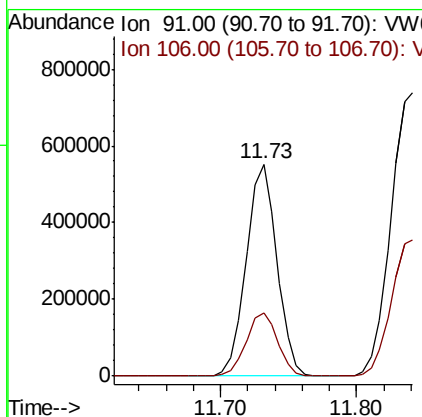
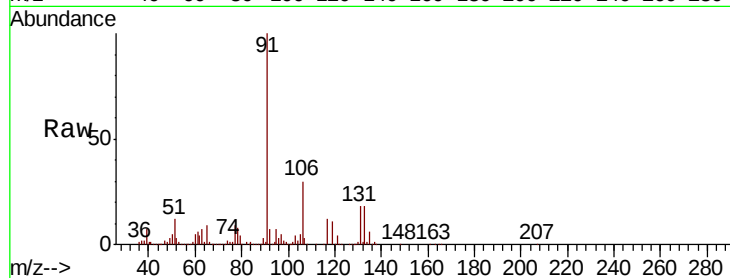




#67
Ethyl Benzene
Concen: 54.189 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

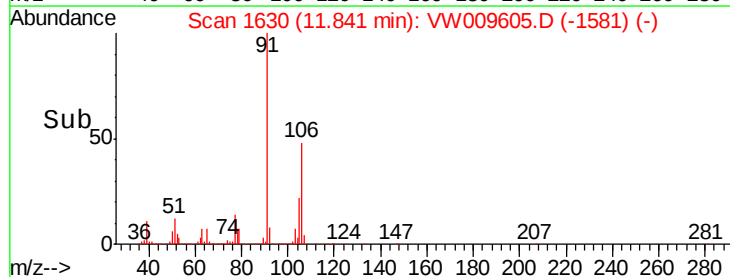
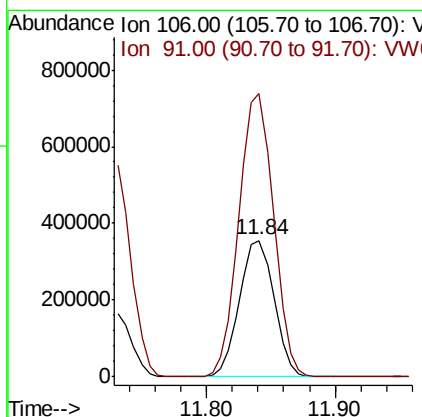
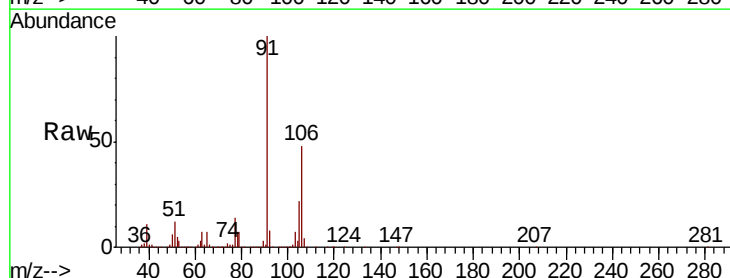
Instrument :
MSVOA_W
ClientSampled :

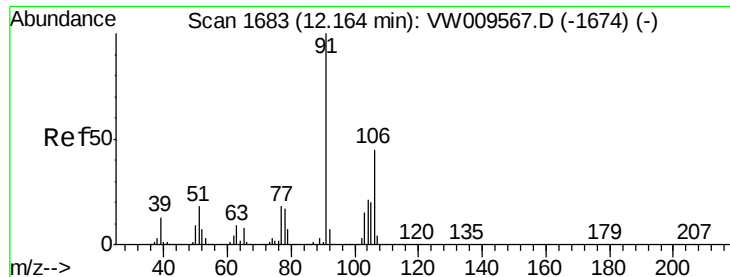
Tot Ion: 91 Resp: 874210
Ion Ratio Lower Upper
91 100
106 29.7 24.6 36.8



#68
m/p-Xylenes
Concen: 108.459 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion: 106 Resp: 664374
Ion Ratio Lower Upper
106 100
91 207.6 163.1 244.7

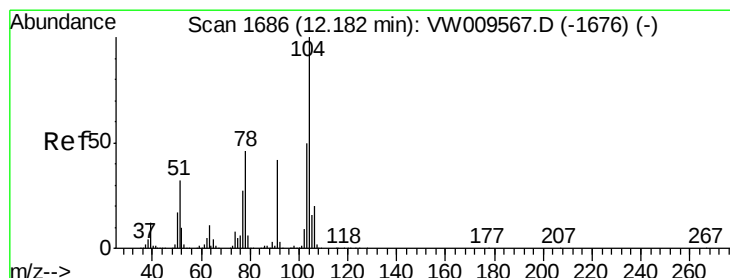
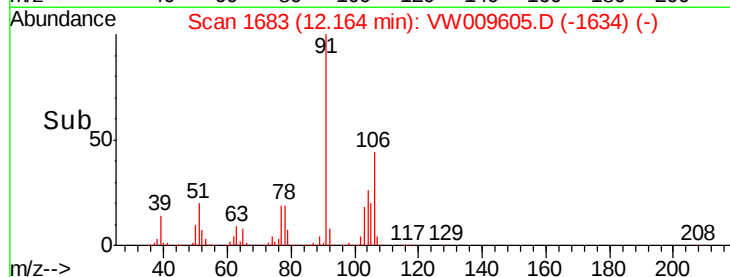
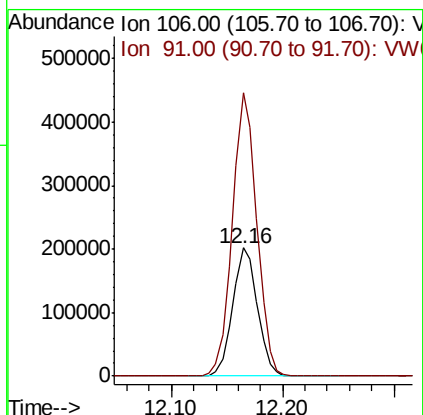
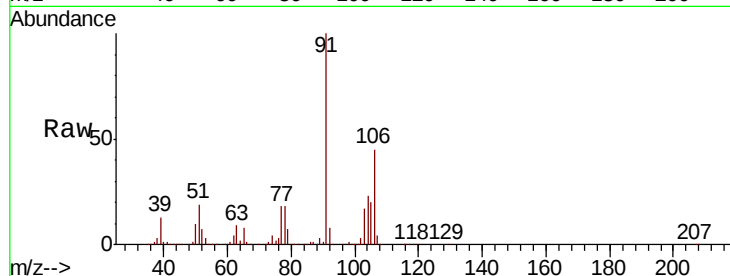




#69
o-Xylene
Concen: 54.382 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

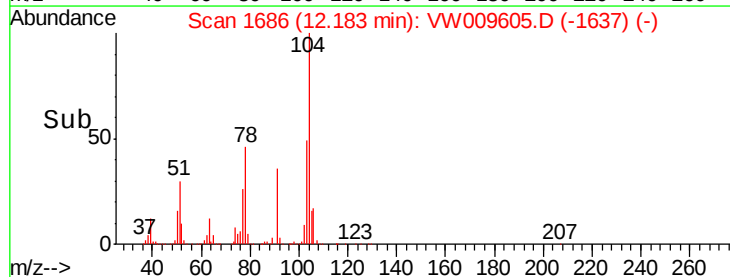
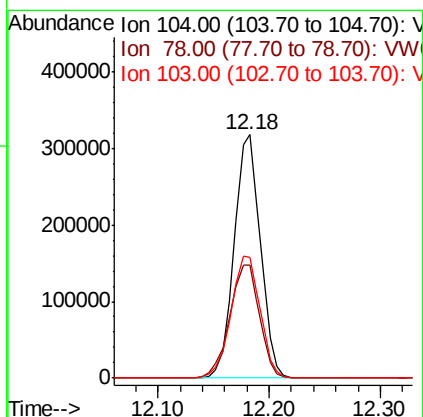
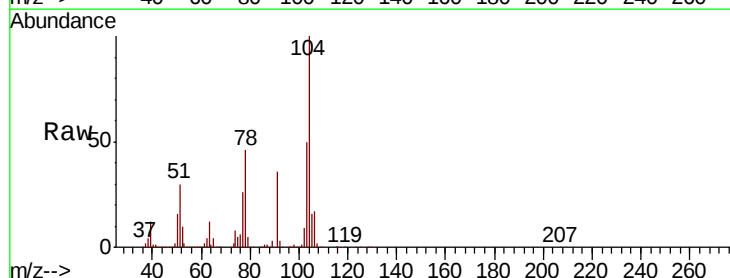
Instrument :
MSVOA_W
ClientSampled :

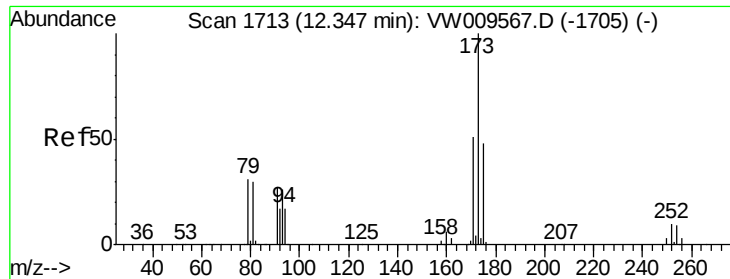
Tot Ion:106 Resp: 310221
Ion Ratio Lower Upper
106 100
91 217.9 108.6 325.8



#70
Styrene
Concen: 54.392 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion:104 Resp: 518267
Ion Ratio Lower Upper
104 100
78 52.9 42.2 63.4
103 55.6 44.6 66.8

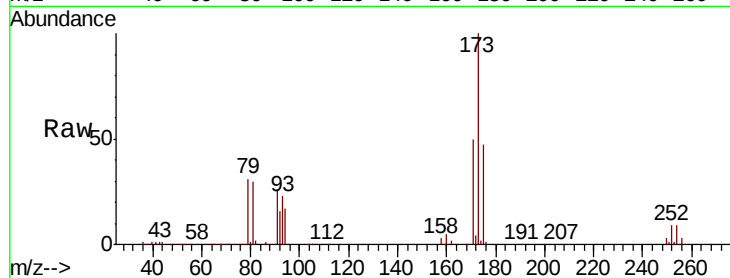




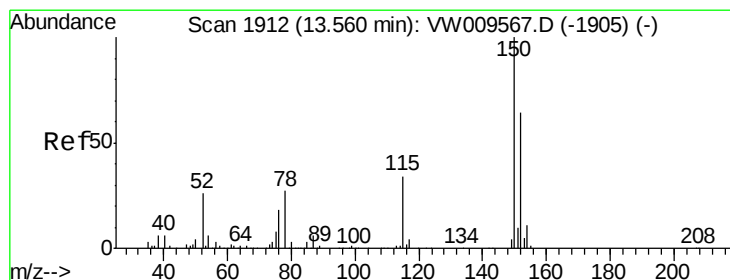
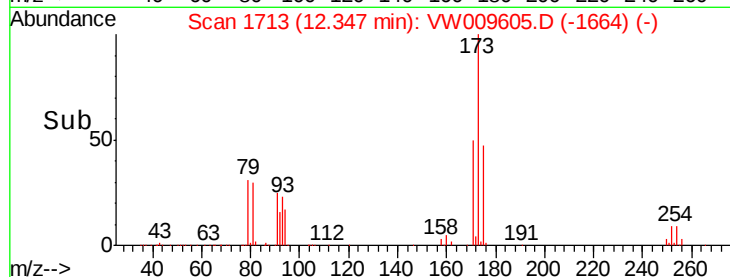
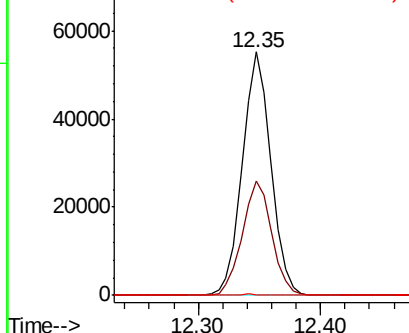
#71
Bromoform
Concen: 49.564 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 88989
Ion Ratio Lower Upper
173 100
175 48.7 24.1 72.4
254 0.2 0.2 0.4

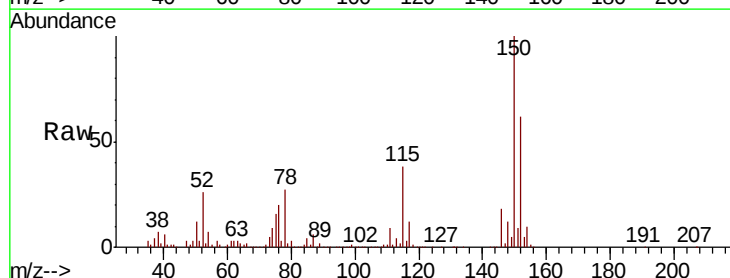


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

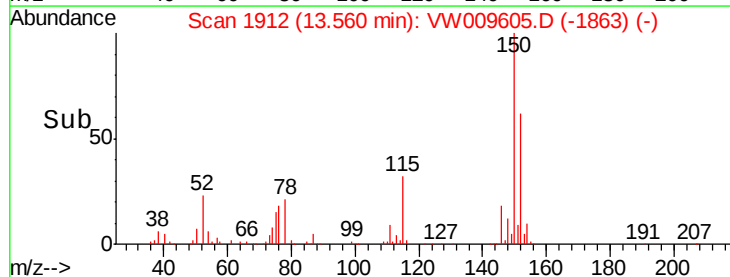
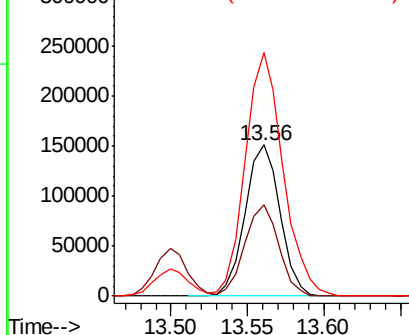


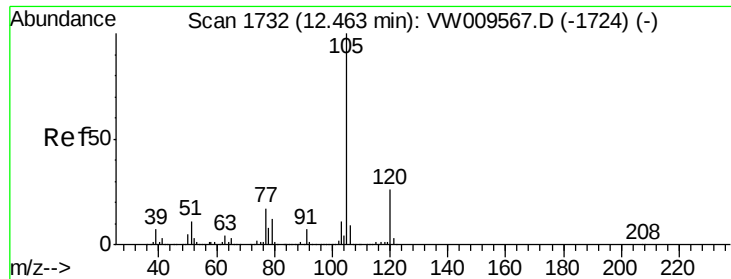
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion:152 Resp: 239613
Ion Ratio Lower Upper
152 100
115 59.3 29.6 88.8
150 174.7 0.0 349.2



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: 53.779 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

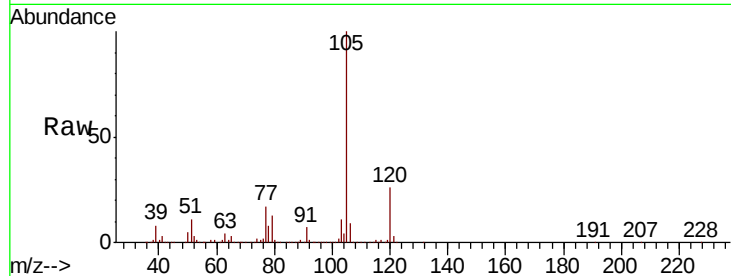
ClientSampleId :

Tot Ion:105 Resp: 896770

Ion Ratio Lower Upper

105 100

120 26.1 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

400000

200000

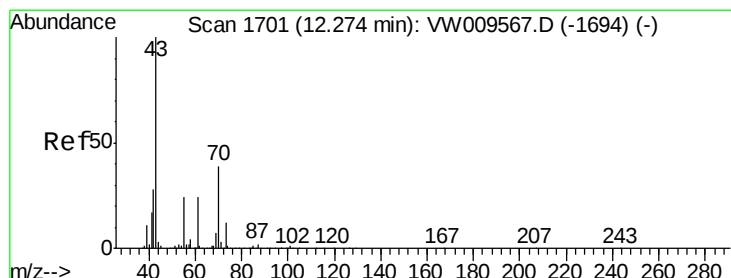
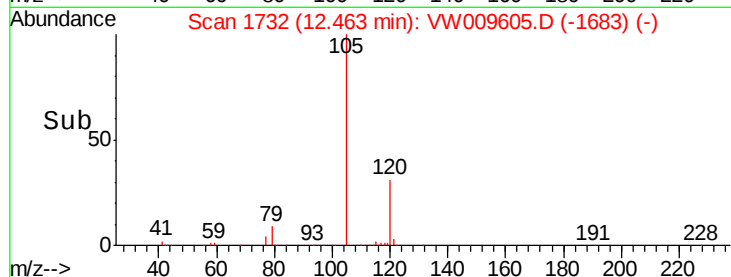
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 48.775 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Tgt Ion: 43 Resp: 214414

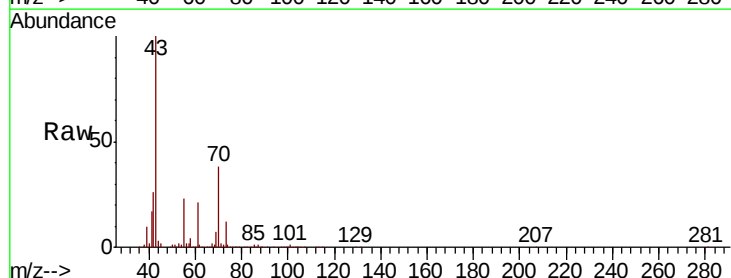
Ion Ratio Lower Upper

43 100

70 38.3 30.6 46.0

55 24.4 19.3 28.9

61 21.5 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

200000

150000

100000

50000

0

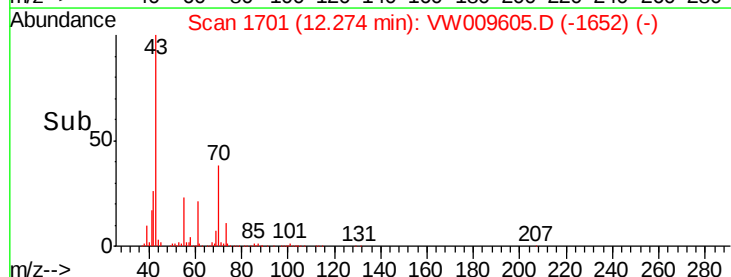
12.27

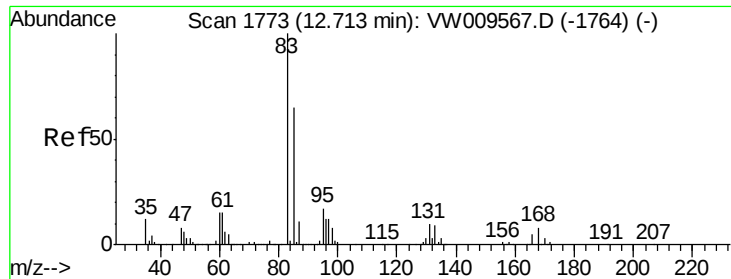
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.098 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

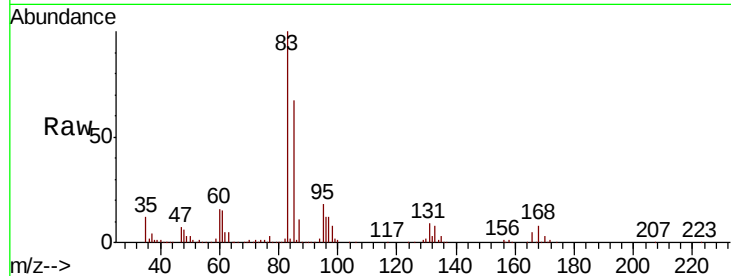
Tot Ion: 83 Resp: 148523

Ion Ratio Lower Upper

83 100

131 11.1 5.3 16.1

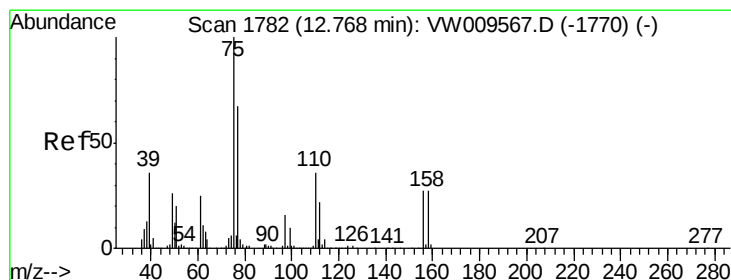
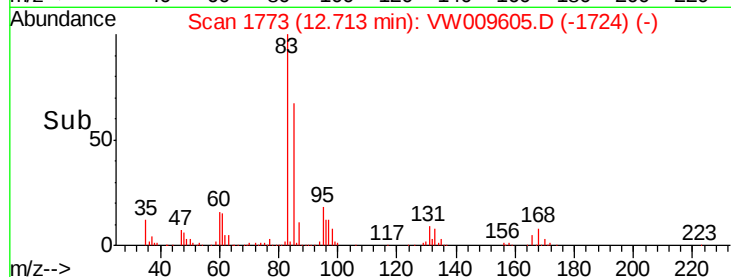
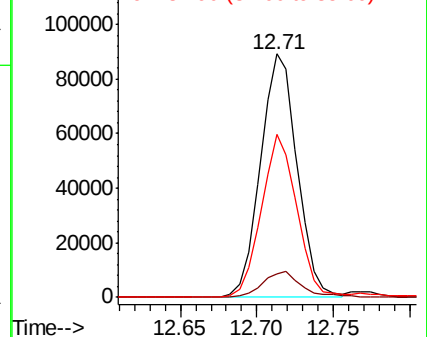
85 65.1 32.6 97.8



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: 93.401 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009605.D

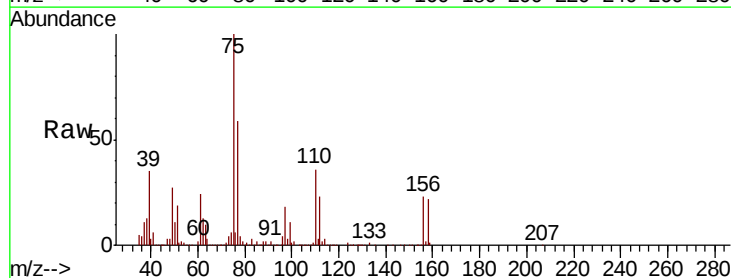
Acq: 31 Mar 2019 11:42

Tgt Ion: 75 Resp: 210460

Ion Ratio Lower Upper

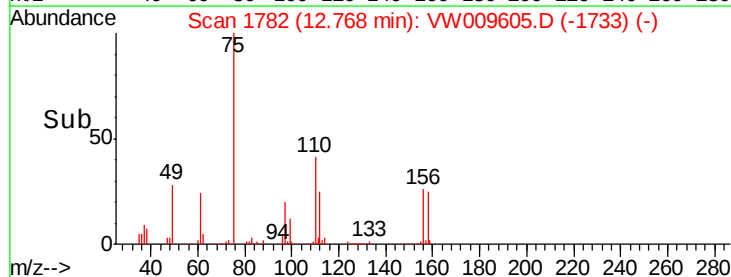
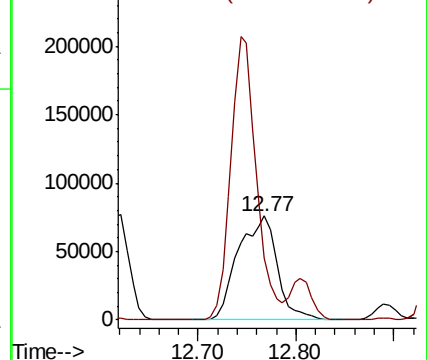
75 100

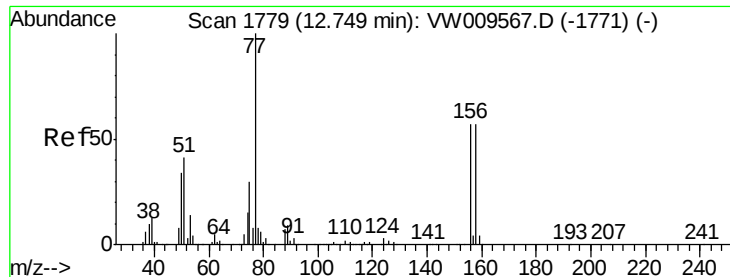
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.669 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

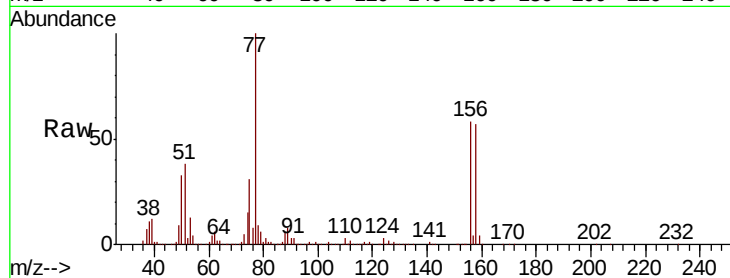
Tot Ion:156 Resp: 194574

Ion Ratio Lower Upper

156 100

77 193.7 96.0 288.0

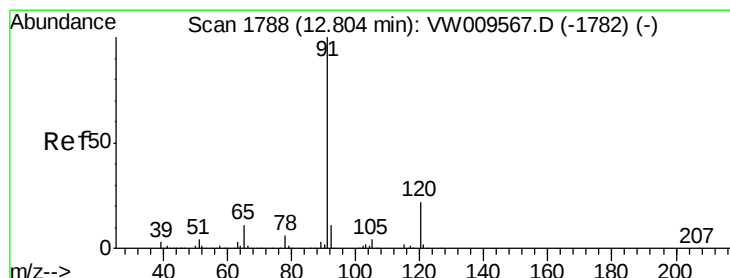
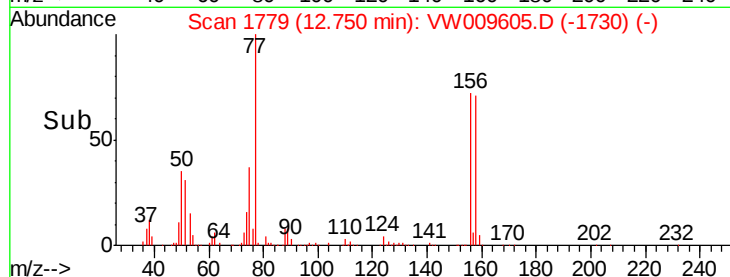
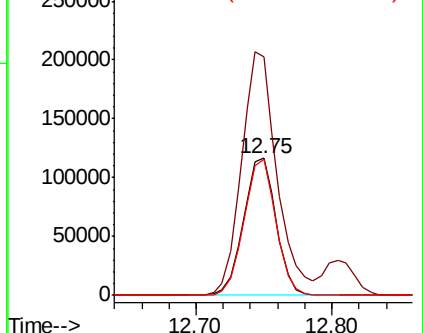
158 97.5 49.1 147.3



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: 54.758 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009605.D

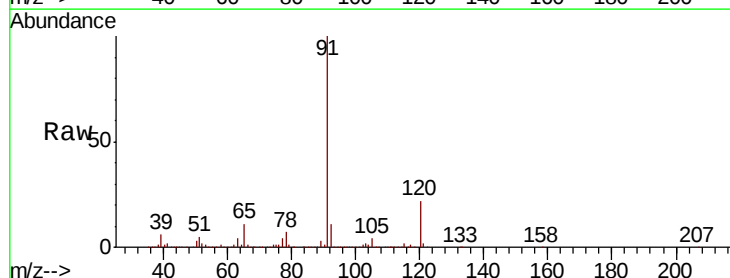
Acq: 31 Mar 2019 11:42

Tgt Ion: 91 Resp: 1125952

Ion Ratio Lower Upper

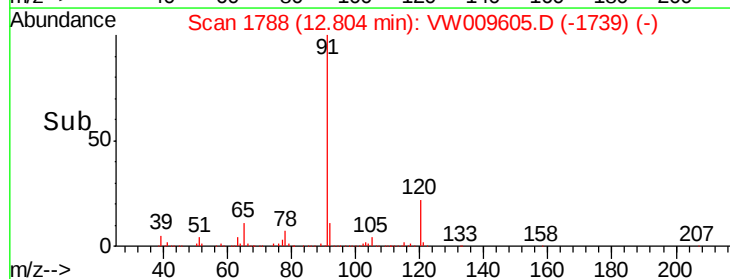
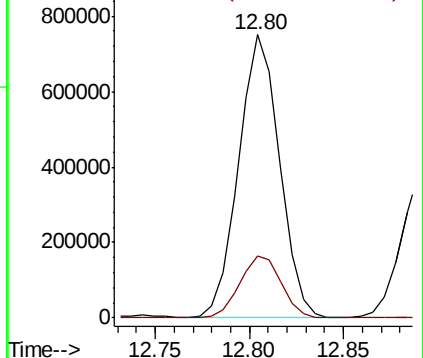
91 100

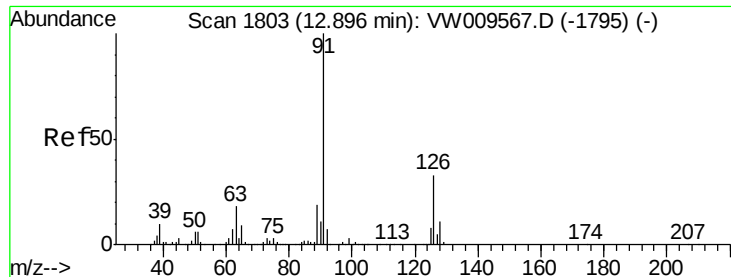
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.472 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

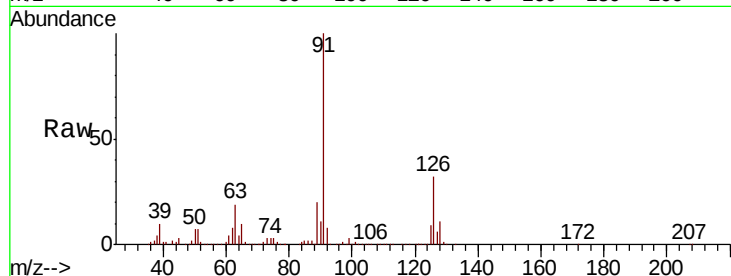
ClientSampleId :

Tot Ion: 91 Resp: 613164

Ion Ratio Lower Upper

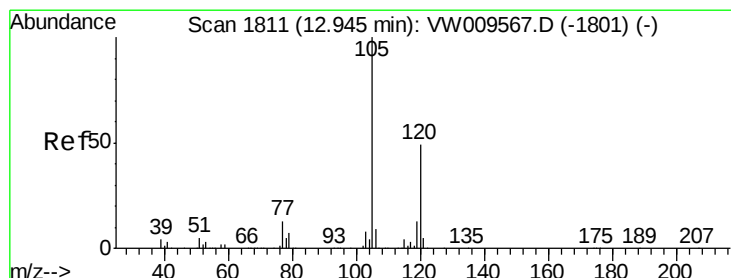
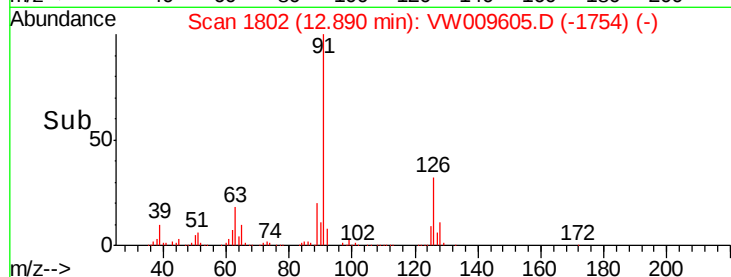
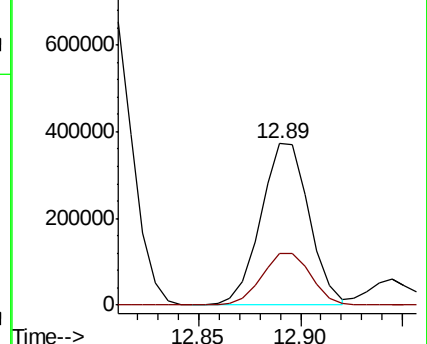
91 100

126 33.0 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 54.354 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009605.D

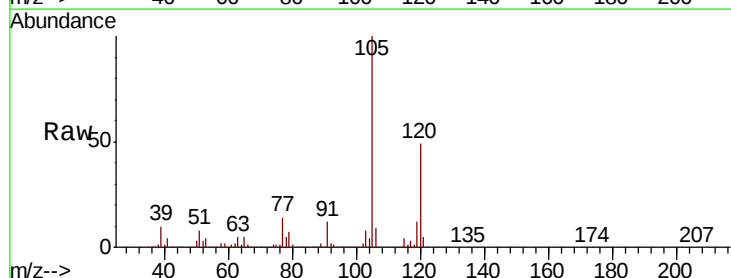
Acq: 31 Mar 2019 11:42

Tgt Ion:105 Resp: 763289

Ion Ratio Lower Upper

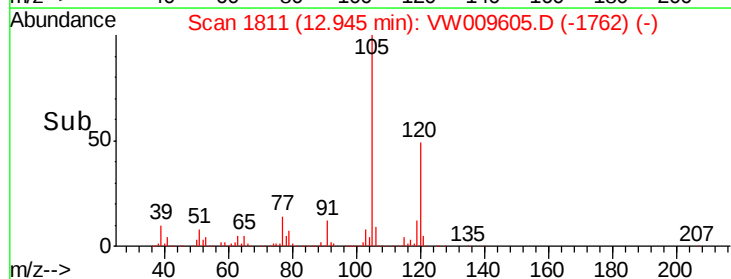
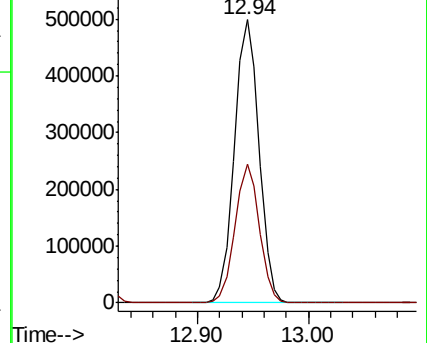
105 100

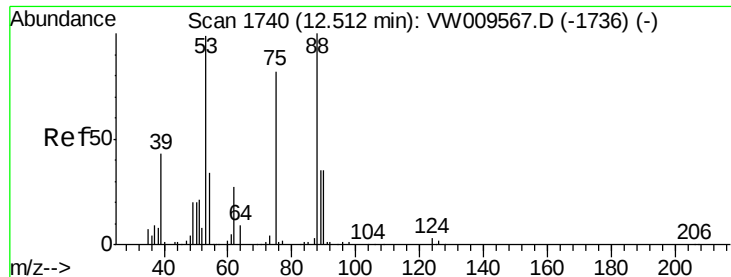
120 48.3 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.435 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

ClientSampled :

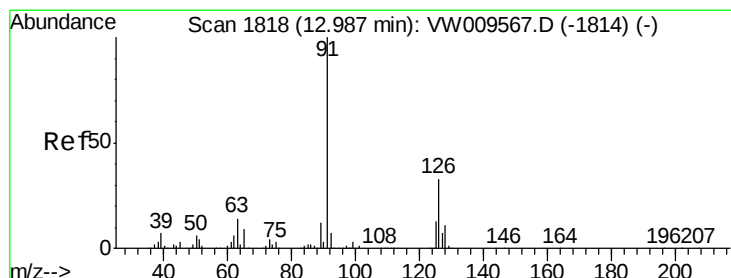
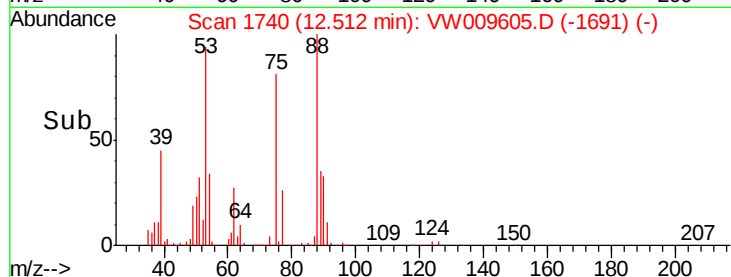
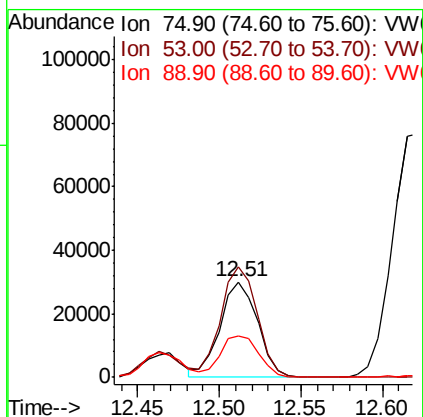
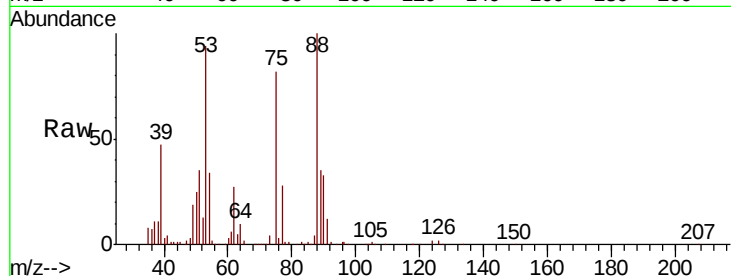
Tot Ion: 75 Resp: 47901

Ion Ratio Lower Upper

75 100

53 110.9 86.7 130.1

89 45.0 36.4 54.6



#82

4-Chlorotoluene

Concen: 53.014 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW009605.D

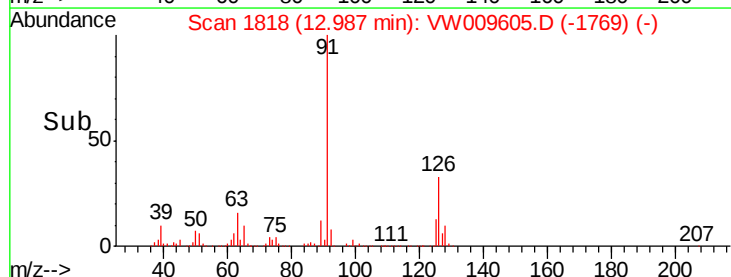
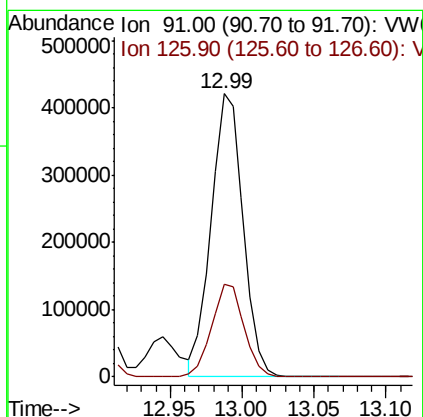
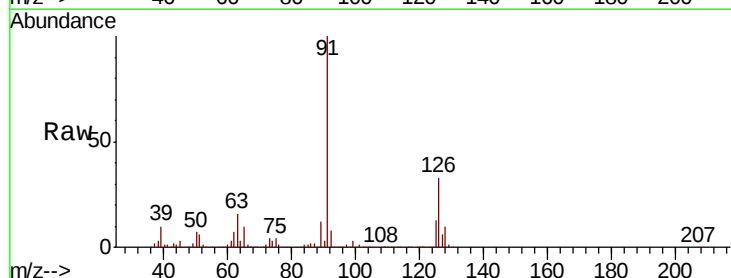
Acq: 31 Mar 2019 11:42

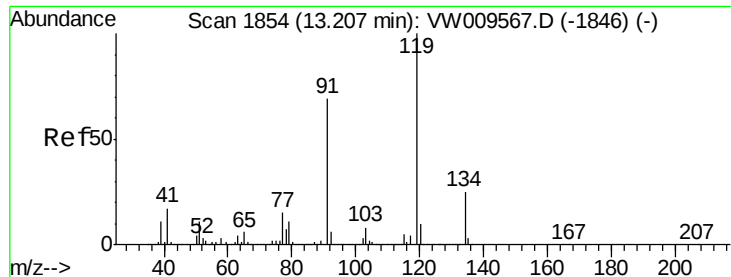
Tgt Ion: 91 Resp: 651969

Ion Ratio Lower Upper

91 100

126 33.1 16.9 50.6

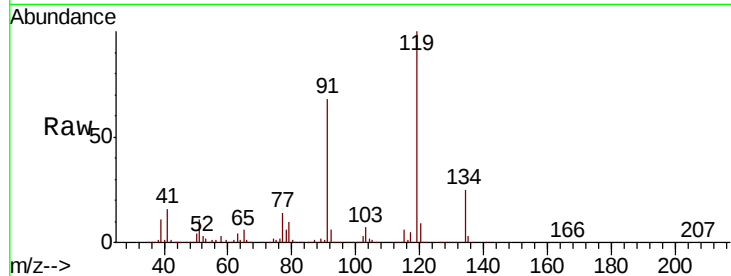




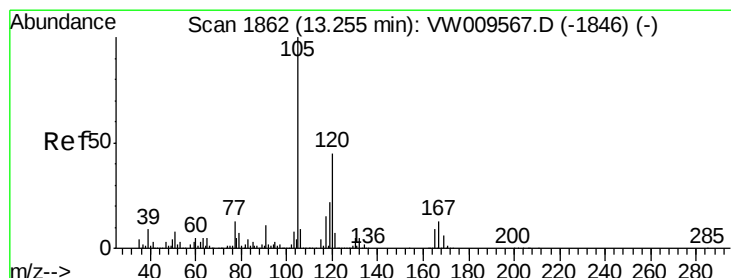
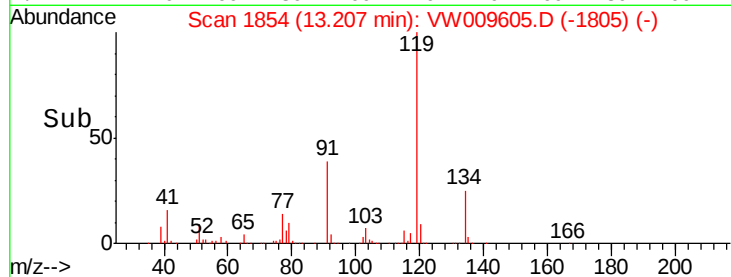
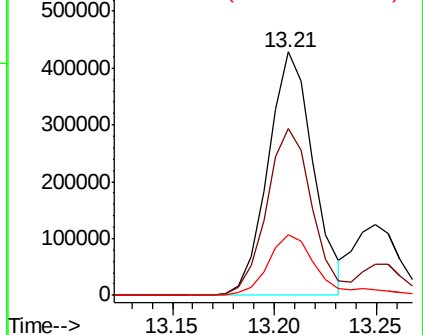
#83
tert-Butylbenzene
Concen: 55.418 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:119 Resp: 662485
Ion Ratio Lower Upper
119 100
91 69.6 34.4 103.2
134 27.2 12.7 38.1

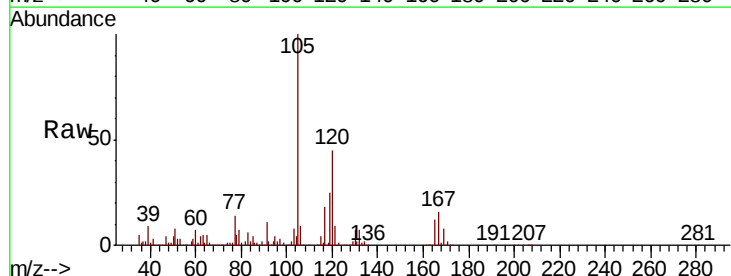


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

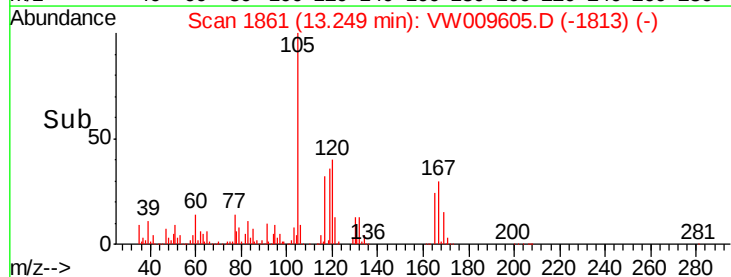
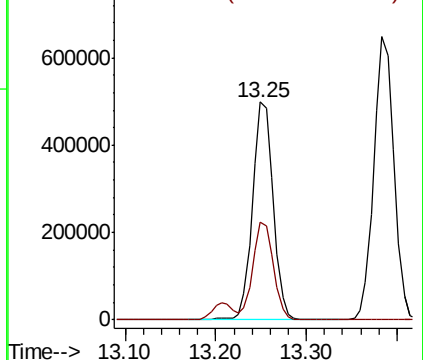


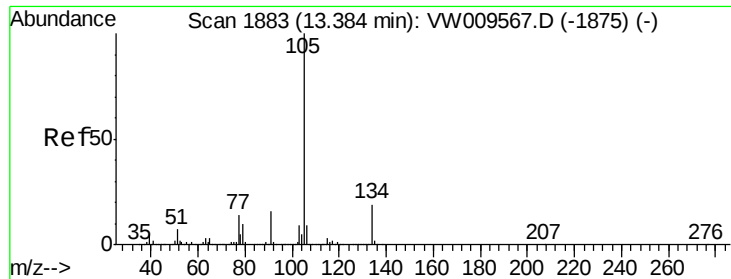
#84
1,2,4-Trimethylbenzene
Concen: 54.403 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion:105 Resp: 785394
Ion Ratio Lower Upper
105 100
120 44.6 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 55.082 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

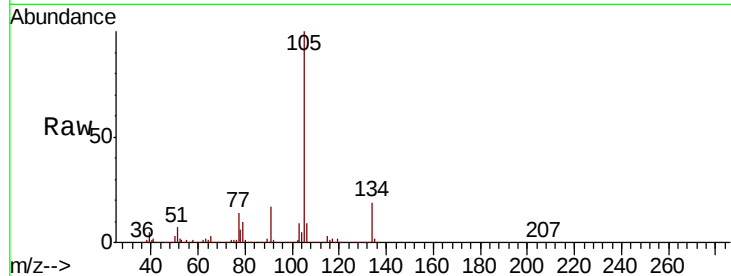
ClientSampleId :

Tot Ion:105 Resp: 993405

Ion Ratio Lower Upper

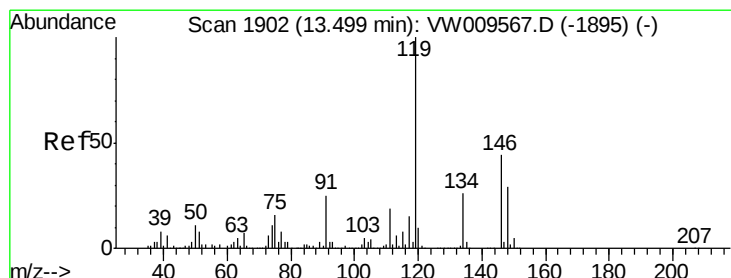
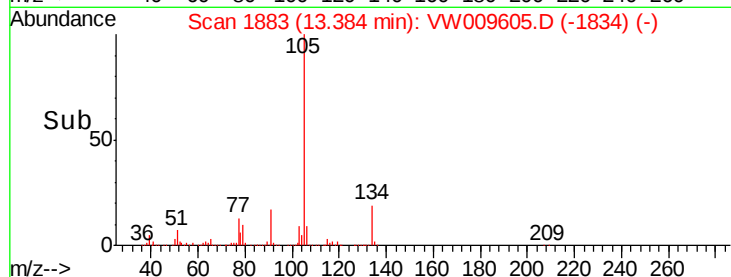
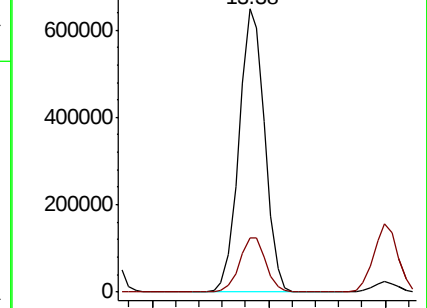
105 100

134 19.7 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.563 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

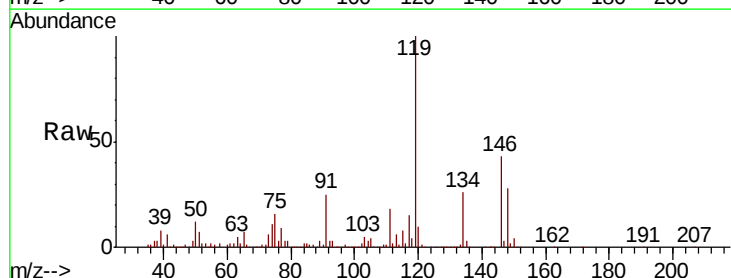
Tgt Ion:119 Resp: 871598

Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.3

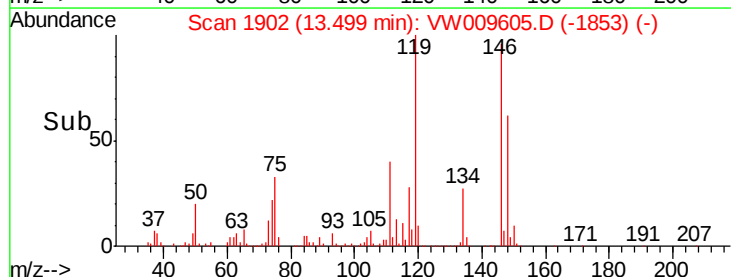
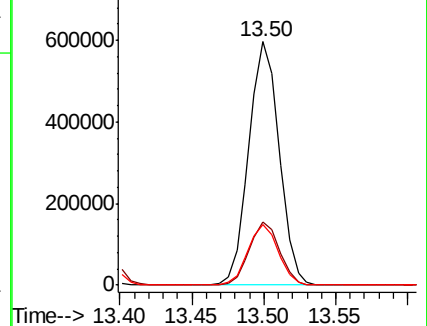
91 24.7 12.3 36.8

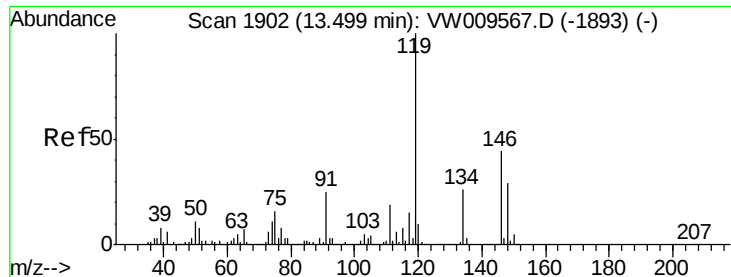


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

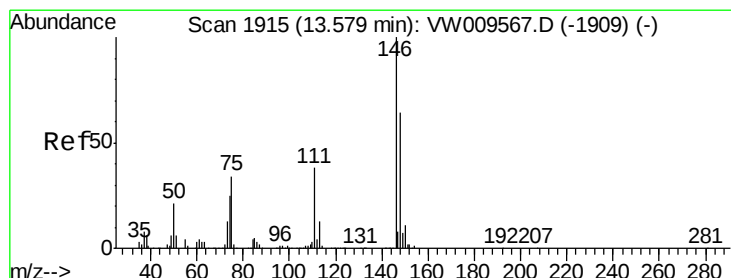
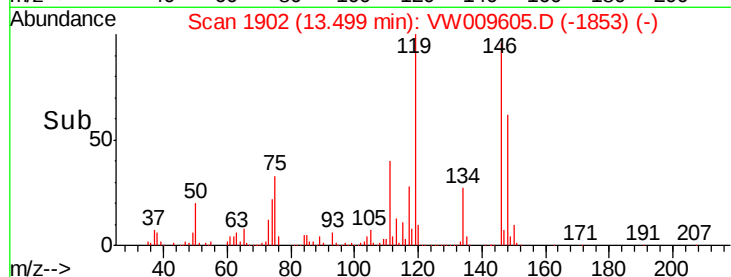
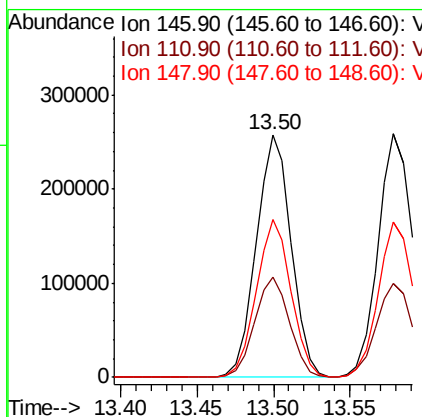
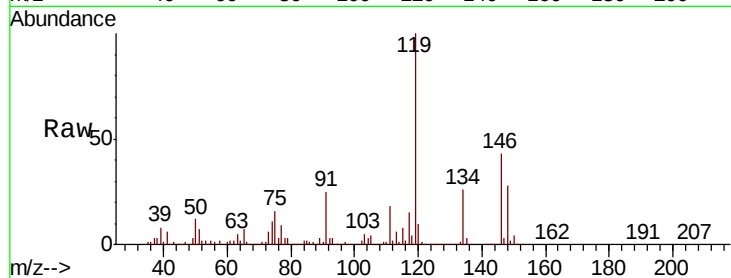




#87
 1,3-Dichlorobenzene
 Concen: 51.592 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

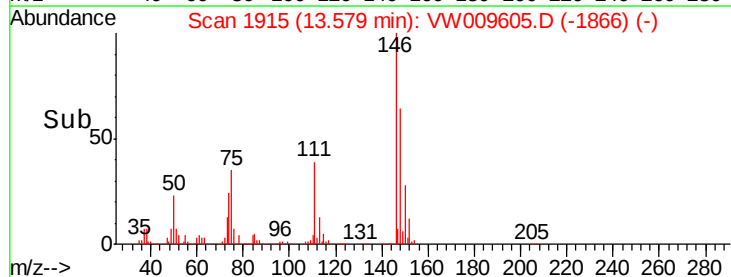
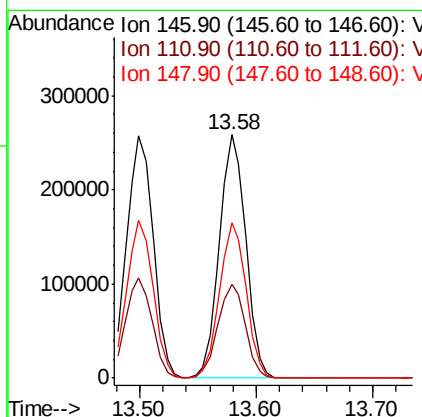
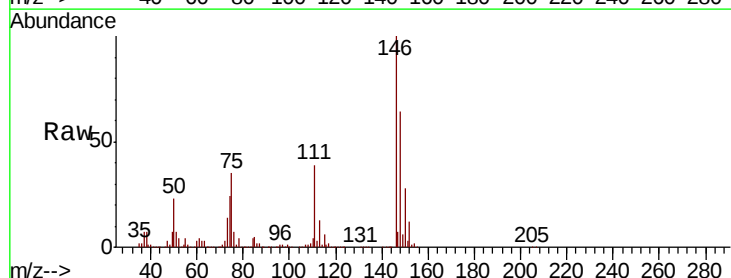
Instrument :
 MSVOA_W
 ClientSampleId :

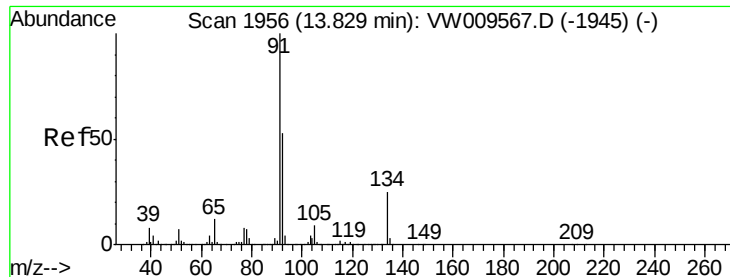
Tot Ion:146 Resp: 409063
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.1 60.2
 148 64.5 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 51.137 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Tgt Ion:146 Resp: 404973
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.9 59.6
 148 64.3 32.2 96.6





#89

n-Butylbenzene

Concen: 55.376 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

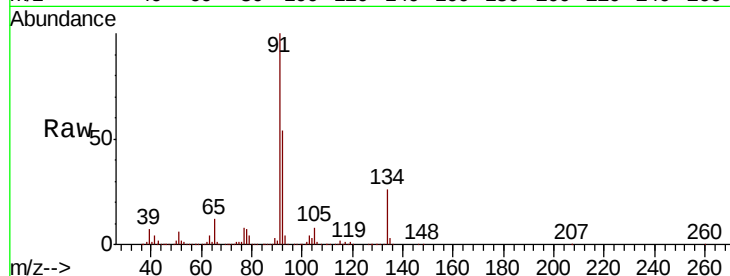
Tot Ion: 91 Resp: 857435

Ion Ratio Lower Upper

91 100

92 53.4 26.4 79.0

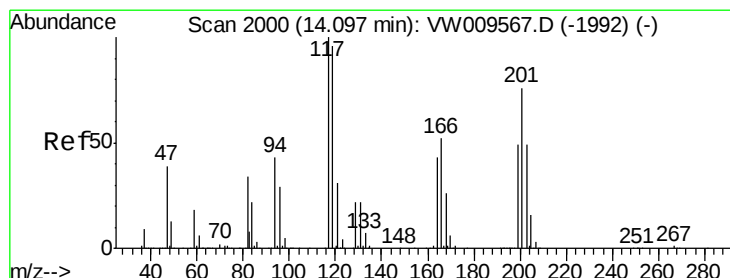
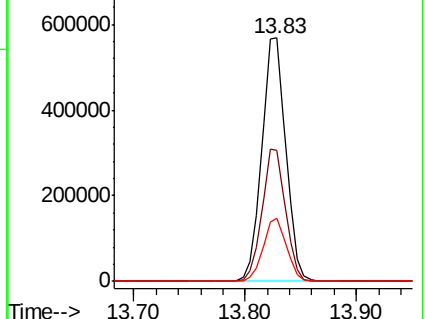
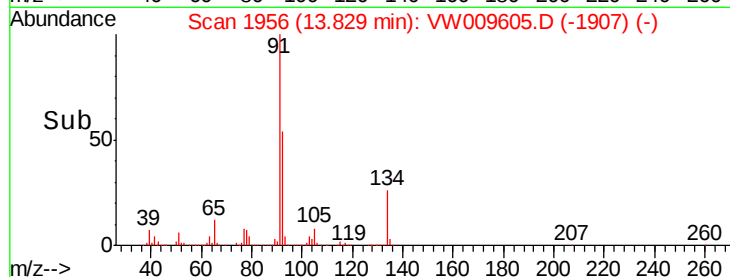
134 25.3 12.9 38.6



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: 53.577 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW009605.D

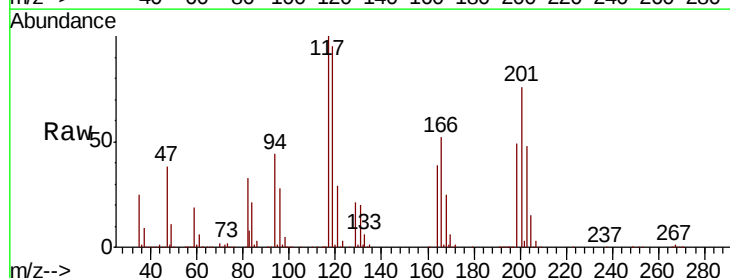
Acq: 31 Mar 2019 11:42

Tgt Ion: 117 Resp: 160939

Ion Ratio Lower Upper

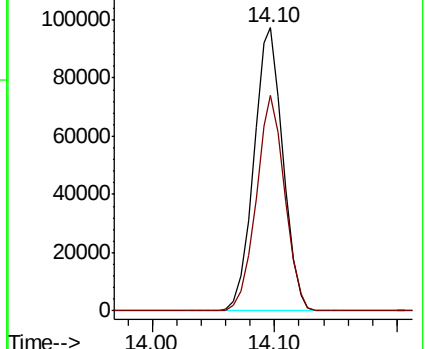
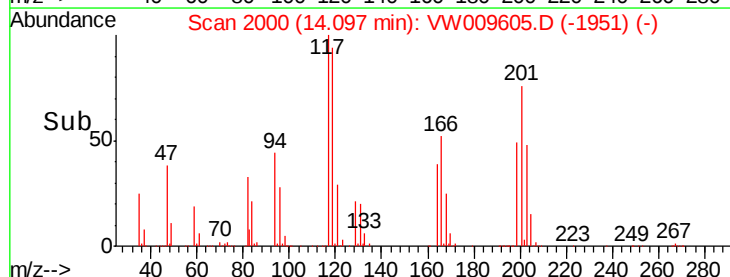
117 100

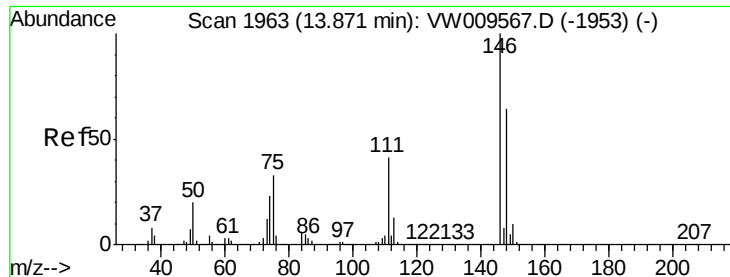
201 74.5 38.2 114.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 51.453 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

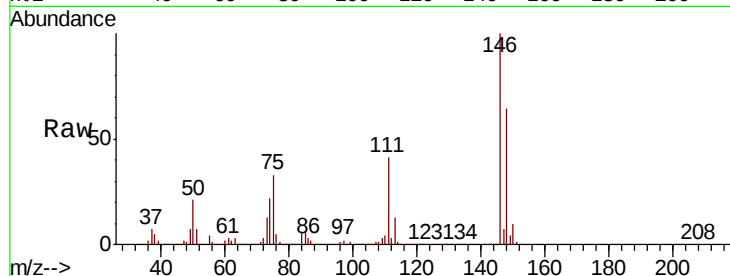
Tot Ion:146 Resp: 364804

Ion Ratio Lower Upper

146 100

111 42.1 20.4 61.2

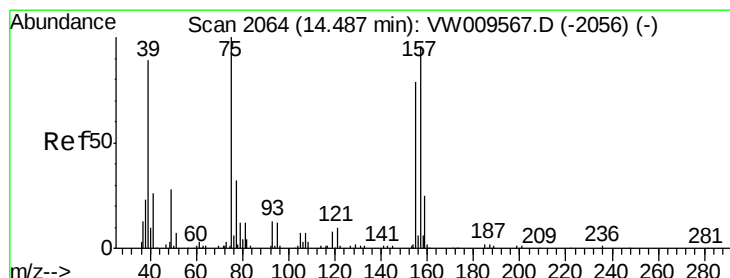
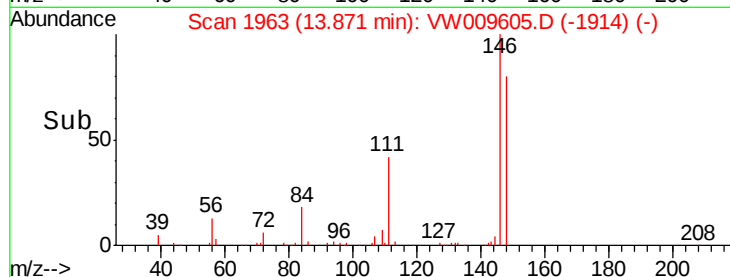
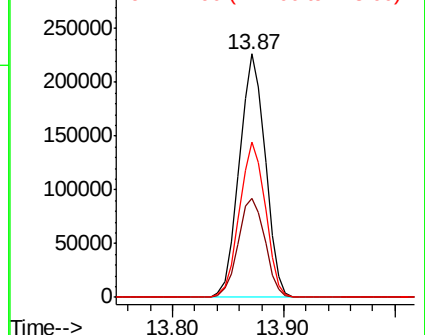
148 64.0 31.9 95.9



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: 47.995 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

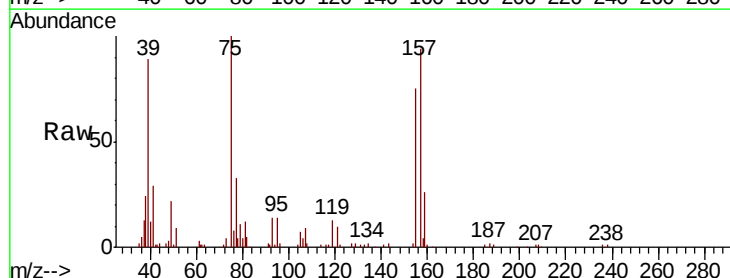
Tgt Ion: 75 Resp: 27630

Ion Ratio Lower Upper

75 100

155 74.1 39.3 117.8

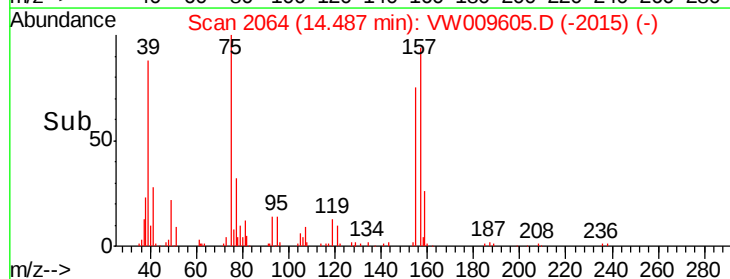
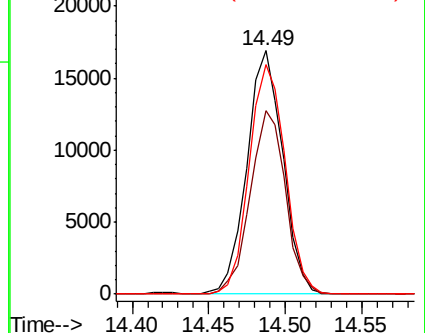
157 94.2 49.5 148.5

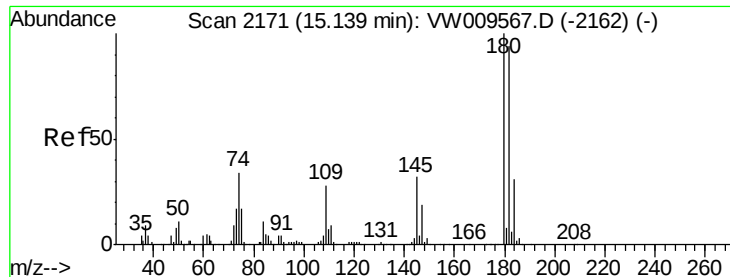


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

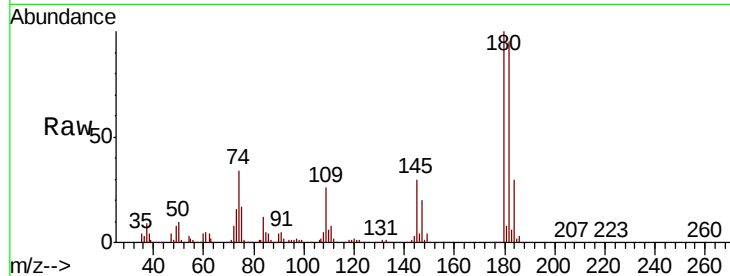




#93
 1,2,4-Trichlorobenzene
 Concen: 54.268 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.7
145	30.0	15.0	45.0

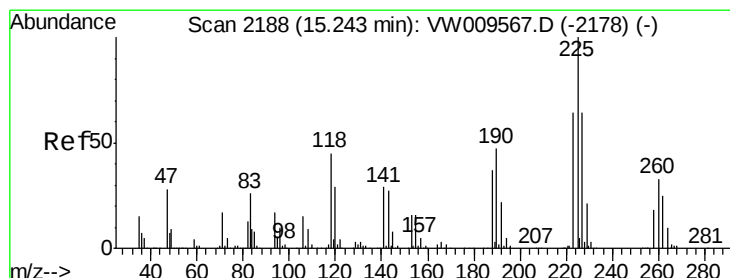
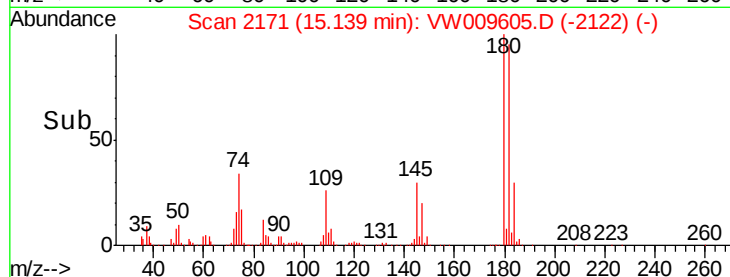
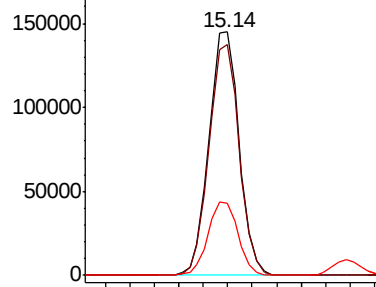


Abundance

Ion 179.80 (179.50 to 180.50): V

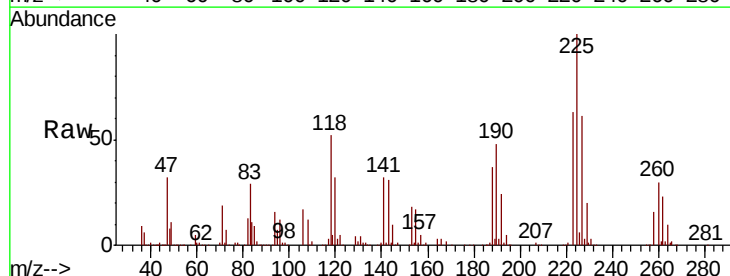
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 53.127 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.4	94.3
227	63.2	32.1	96.5

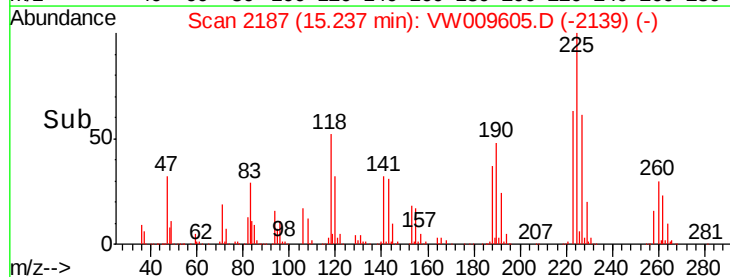
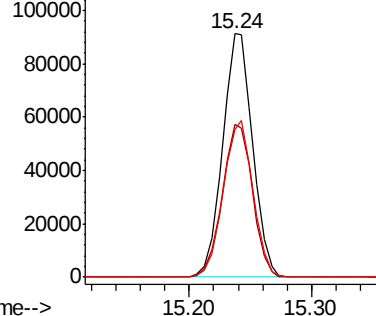


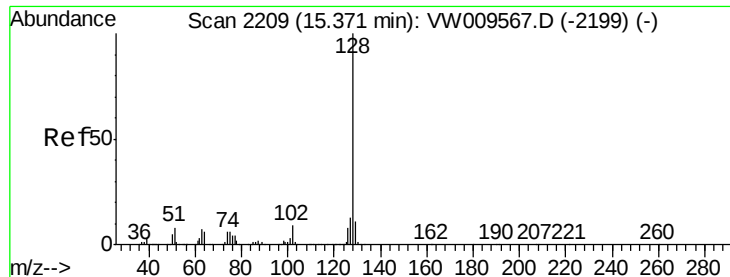
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

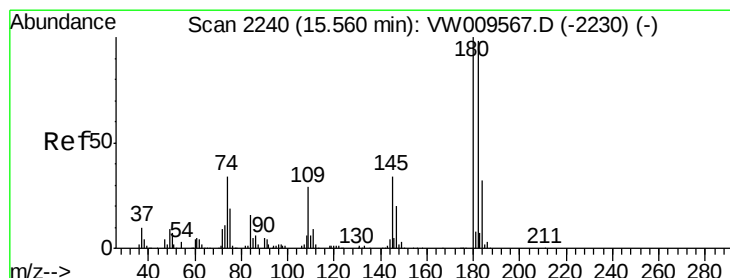
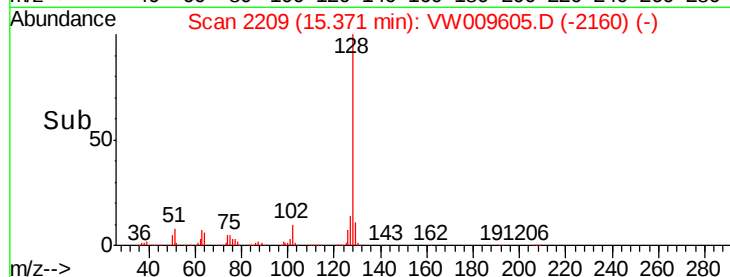
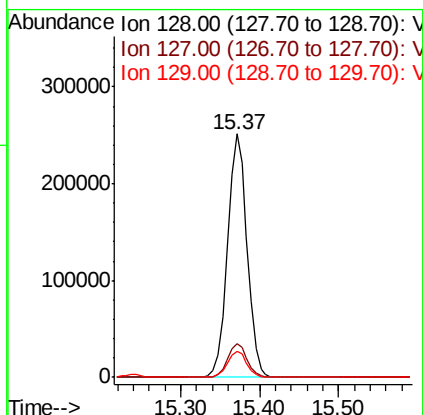
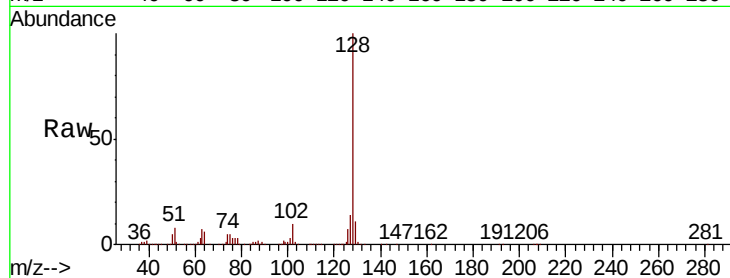




#95
Naphthalene
Concen: 46.469 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 429346
Ion Ratio Lower Upper
128 100
127 13.8 10.8 16.2
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 53.145 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion:180 Resp: 216803
Ion Ratio Lower Upper
180 100
182 93.8 47.3 141.9
145 32.2 16.0 48.0

