

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020619\
 Data File : VW008532.D
 Acq On : 06 Feb 2019 17:14
 Operator : SY/VA
 Sample : K1385-02MS
 Misc : 10.84G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MS

Quant Time: Feb 07 03:24:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	473342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	759691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	626938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	241292	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	293372	63.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.18%	
35) Dibromofluoromethane	7.88	113	248457	55.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.86%	
50) Toluene-d8	10.32	98	914264	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.62	95	284174	41.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	131564	48.221	ug/l	96
3) Chloromethane	2.21	50	194019	50.215	ug/l	99
4) Vinyl Chloride	2.37	62	266472	54.178	ug/l	99
5) Bromomethane	2.77	94	219977	69.340	ug/l	95
6) Chloroethane	2.92	64	223350	74.252	ug/l	97
7) Trichlorofluoromethane	3.25	101	221119	51.528	ug/l	99
8) Diethyl Ether	3.67	74	167676	71.033	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	253372	59.183	ug/l	99
10) Methyl Iodide	4.26	142	390500	57.748	ug/l	99
11) Tert butyl alcohol	5.17	59	153826	410.871	ug/l	96
12) 1,1-Dichloroethene	4.03	96	242239	55.910	ug/l	98
13) Acrolein	3.89	56	27219	85.208	ug/l	93
14) Allyl chloride	4.65	41	439294	53.395	ug/l	99
15) Acrylonitrile	5.36	53	411684	403.887	ug/l	99
16) Acetone	4.12	43	492132	471.274	ug/l	99
17) Carbon Disulfide	4.37	76	608399	43.967	ug/l	100
18) Methyl Acetate	4.67	43	750963	269.621	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	531389	74.129	ug/l	97
20) Methylene Chloride	4.91	84	312965	65.024	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	256620	52.684	ug/l	99
22) Diisopropyl ether	6.31	45	927398	59.477	ug/l	98
23) Vinyl Acetate	6.31	43	548607	59.586	ug/l #	75
24) 1,1-Dichloroethane	6.21	63	525448	59.534	ug/l	98
25) 2-Butanone	7.17	43	586217	404.161	ug/l	98
26) 2,2-Dichloropropane	7.16	77	313728	52.587	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	307107	57.852	ug/l	97
28) Bromochloromethane	7.51	49	238224	58.766	ug/l	95
29) Tetrahydrofuran	7.52	42	389464	423.720	ug/l	97
30) Chloroform	7.67	83	533212	61.422	ug/l	100
31) Cyclohexane	7.95	56	407278	44.627	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	440669	58.770	ug/l	98
36) 1,1-Dichloropropene	8.08	75	368073	51.291	ug/l	99
37) Ethyl Acetate	7.25	43	93941	29.589	ug/l #	81
38) Carbon Tetrachloride	8.06	117	405938	56.214	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	392113	41.594	ug/l	97
40) Benzene	8.32	78	1123091	56.400	ug/l	100
41) Methacrylonitrile	7.48	41	135029	71.827	ug/l	91
42) 1,2-Dichloroethane	8.40	62	375868	65.134	ug/l	100
43) Isopropyl Acetate	8.42	43	253833	38.483	ug/l #	90
44) Trichloroethene	9.09	130	352768	65.147	ug/l	99
45) 1,2-Dichloropropane	9.37	63	294093	59.233	ug/l	99
46) Dibromomethane	9.46	93	169389	66.331	ug/l	97
47) Bromodichloromethane	9.64	83	412773	61.110	ug/l	98
48) Methyl methacrylate	9.43	41	294369	91.272	ug/l	97
49) 1,4-Dioxane	9.45	88	66771	1546.864	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	1210377	371.438	ug/l	99
52) Toluene	10.38	92	692307	52.668	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	385331	53.612	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	438731	53.789	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	242908	68.577	ug/l	98
56) Ethyl methacrylate	10.65	69	198912	40.077	ug/l	98
57) 1,3-Dichloropropane	10.93	76	413051	65.091	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	795173	329.740	ug/l	97
59) 2-Hexanone	10.97	43	808272	351.353	ug/l	100
60) Dibromochloromethane	11.13	129	289448	63.588	ug/l	100
61) 1,2-Dibromoethane	11.23	107	227056	64.648	ug/l	98
64) Tetrachloroethene	10.86	164	432293	101.841	ug/l	98
65) Chlorobenzene	11.66	112	716929	56.019	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	294922	64.409	ug/l	97
67) Ethyl Benzene	11.73	91	1275210	54.207	ug/l	99
68) m/p-Xylenes	11.84	106	957084	104.857	ug/l	99
69) o-Xylene	12.16	106	481354	55.503	ug/l	100
70) Styrene	12.18	104	724514	50.576	ug/l	97
71) Bromoform	12.35	173	181446	70.430	ug/l	98
73) Isopropylbenzene	12.46	105	1249173	69.442	ug/l	100
74) N-amyl acetate	12.27	43	99888	21.554	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	225082	79.032	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	202689m	96.617	ug/l	
77) Bromobenzene	12.75	156	281655	71.694	ug/l	99
78) n-propylbenzene	12.80	91	1324062	61.283	ug/l	99
79) 2-Chlorotoluene	12.90	91	791036	64.882	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	974899	64.839	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	83177	78.309	ug/l	97
82) 4-Chlorotoluene	12.99	91	754460	58.122	ug/l	98
83) tert-Butylbenzene	13.21	119	856648	64.025	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	981358	64.214	ug/l	100
85) sec-Butylbenzene	13.38	105	1090941	57.092	ug/l	99
86) p-Isopropyltoluene	13.50	119	991726	59.250	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	451157	56.863	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	435501	55.232	ug/l	100
89) n-Butylbenzene	13.83	91	730372	44.442	ug/l	99
90) Hexachloroethane	14.10	117	190096	58.075	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	427736	60.929	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	51880	96.007	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

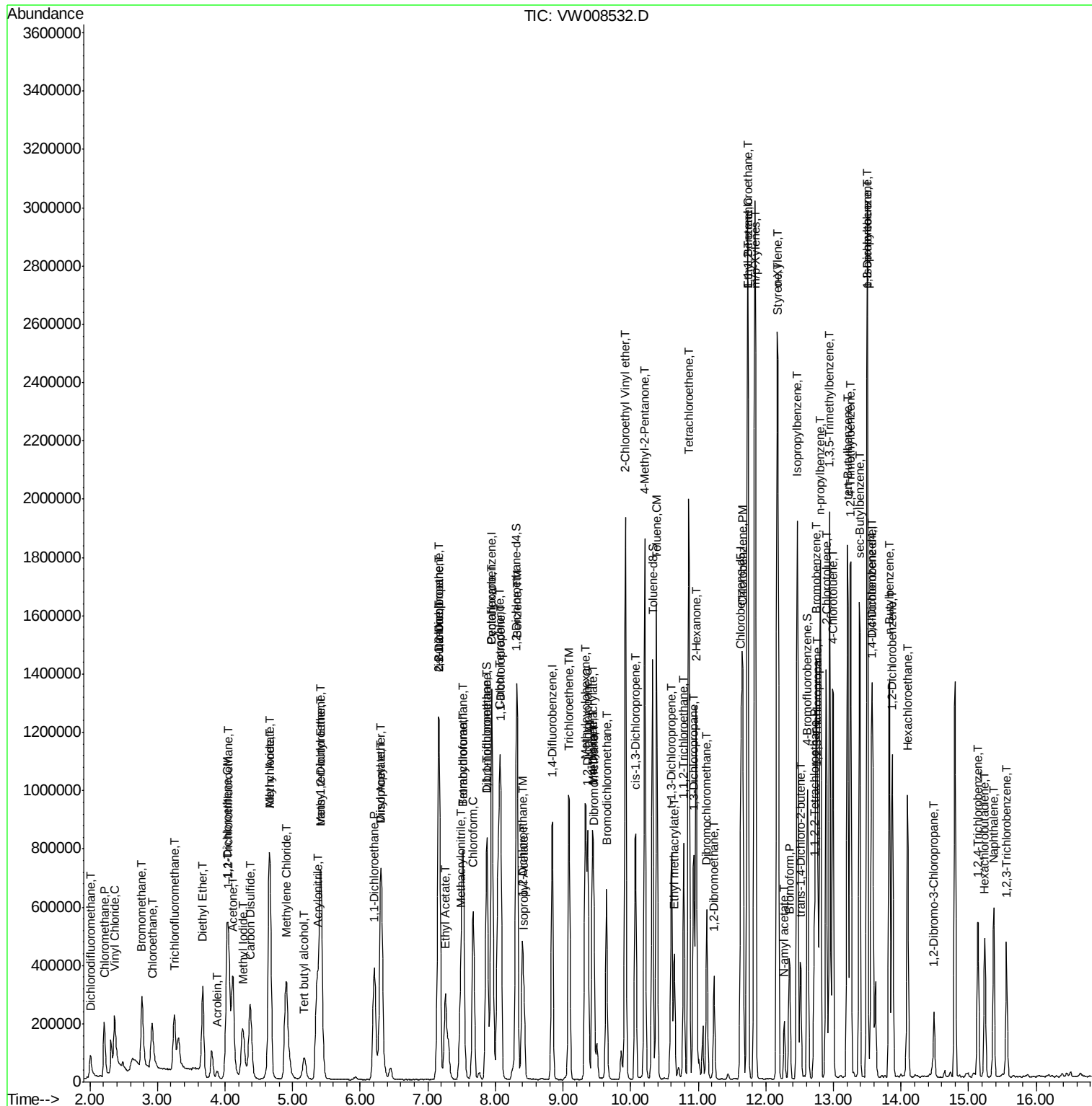
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	173426	34.618	ug/l	98
94) Hexachlorobutadiene	15.24	225	91554	30.324	ug/l	97
95) Naphthalene	15.37	128	490241	55.732	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	152393	35.860	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

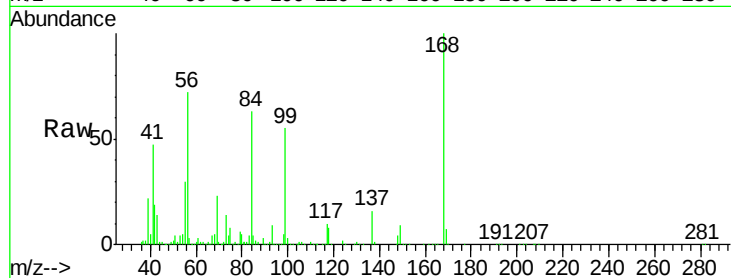
98-SB-01-2-4MS

Tot Ion:168 Resp: 473342

Ion Ratio Lower Upper

168 100

99 54.6 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

150000

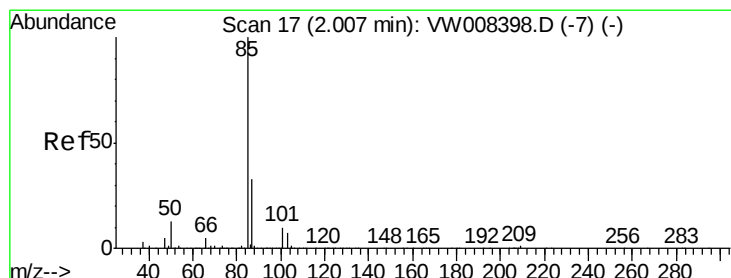
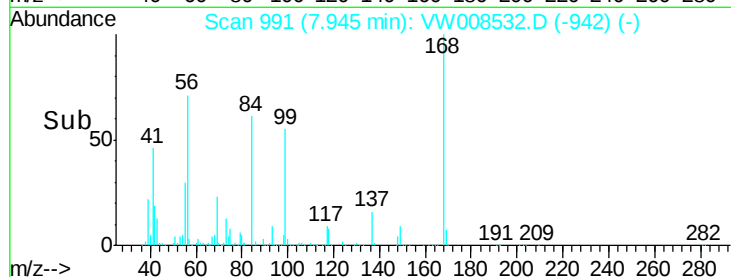
100000

50000

0

Time-->

7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 48.221 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008532.D

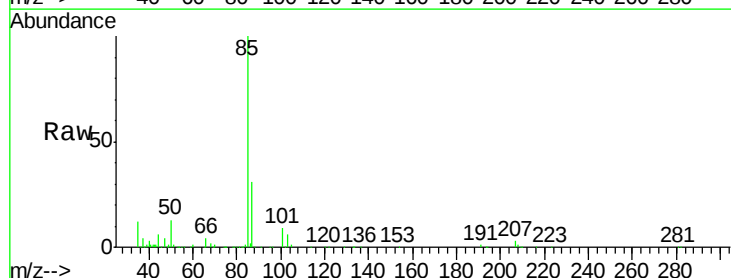
Acq: 06 Feb 2019 17:14

Tgt Ion: 85 Resp: 131564

Ion Ratio Lower Upper

85 100

87 30.9 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

40000

30000

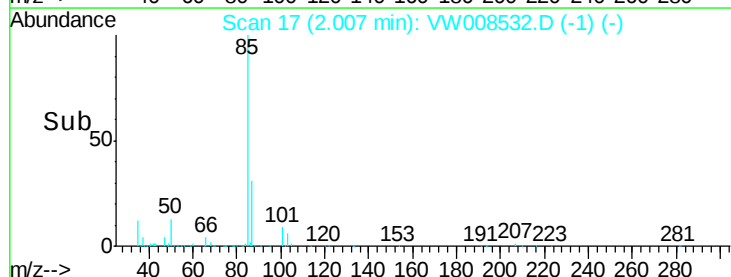
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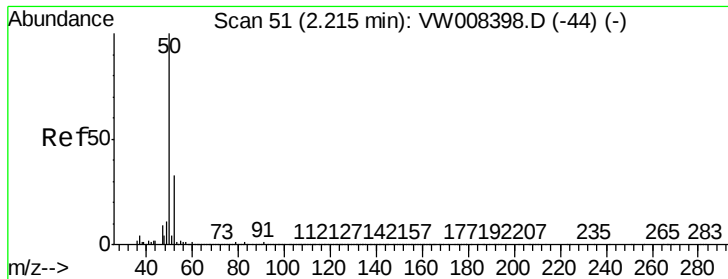
10000

0

Time-->

1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 50.215 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

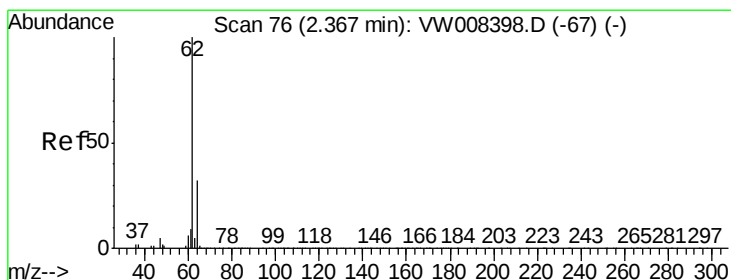
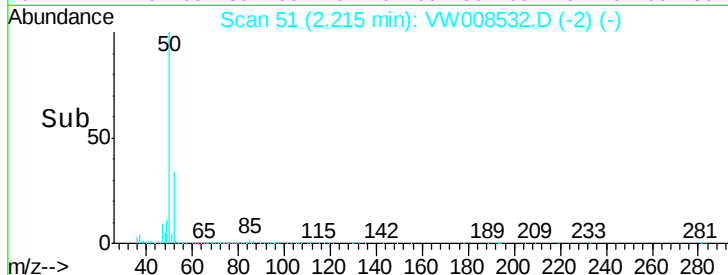
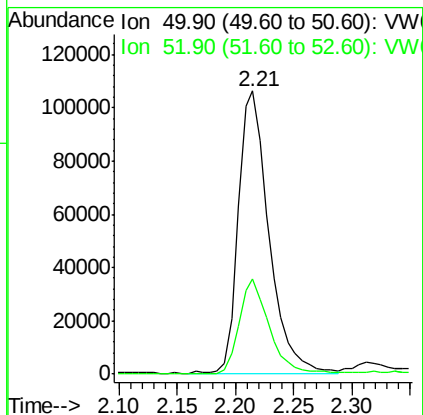
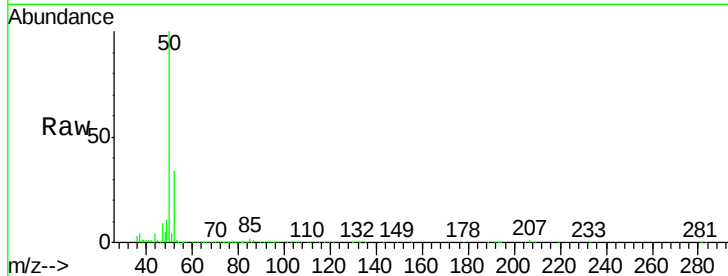
98-SB-01-2-4MS

Tot Ion: 50 Resp: 194019

Ion Ratio Lower Upper

50 100

52 33.7 26.3 39.5



#4

Vinyl Chloride

Concen: 54.178 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008532.D

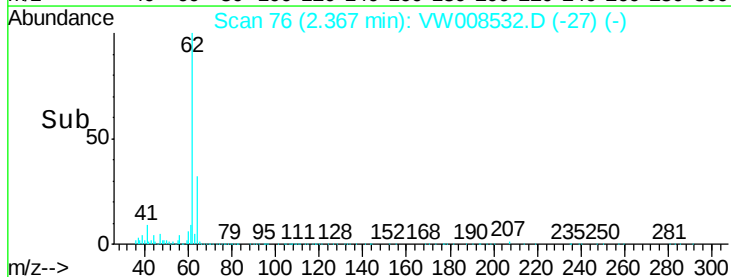
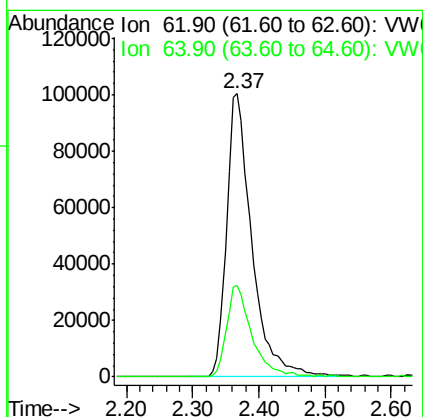
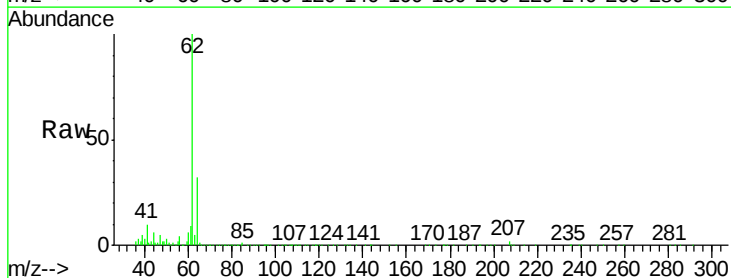
Acq: 06 Feb 2019 17:14

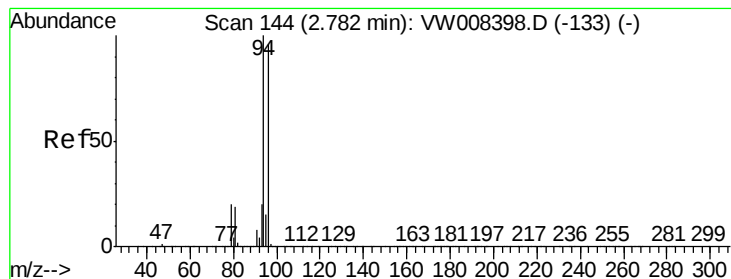
Tgt Ion: 62 Resp: 266472

Ion Ratio Lower Upper

62 100

64 32.5 25.5 38.3





#5

Bromomethane

Concen: 69.340 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

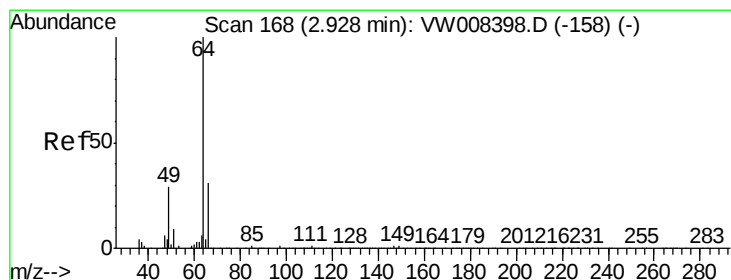
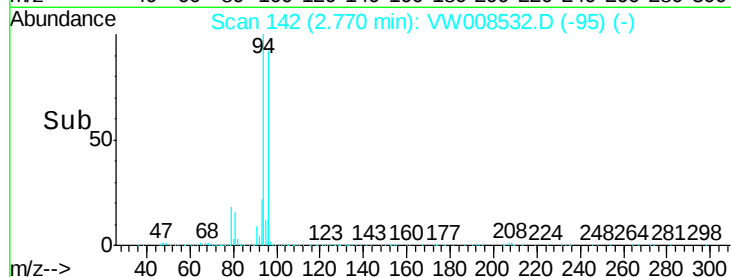
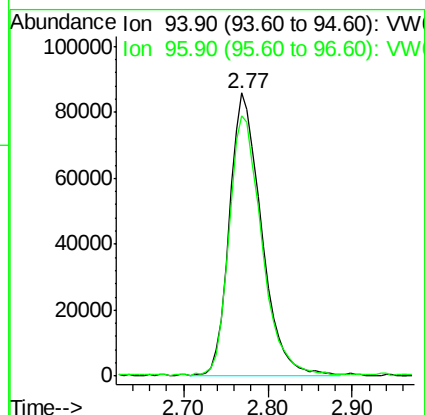
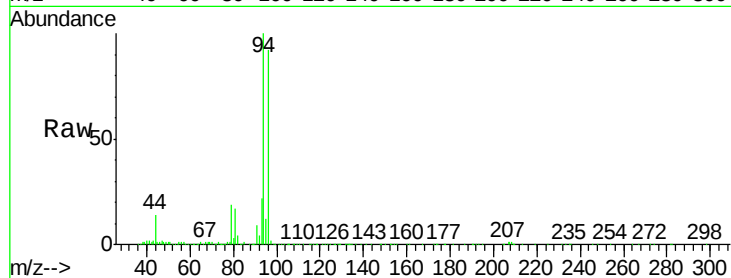
98-SB-01-2-4MS

Tot Ion: 94 Resp: 219977

Ion Ratio Lower Upper

94 100

96 92.1 77.2 115.8



#6

Chloroethane

Concen: 74.252 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008532.D

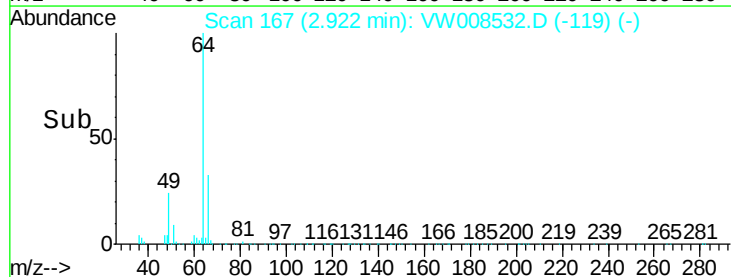
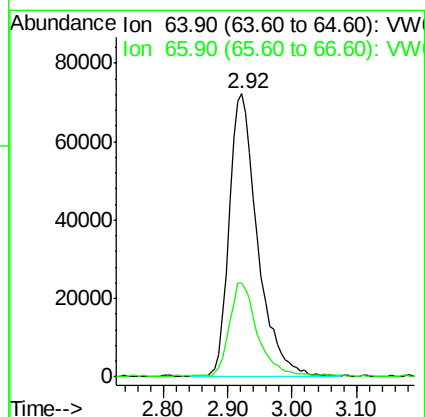
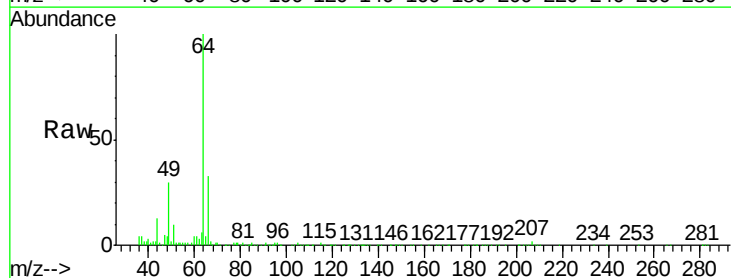
Acq: 06 Feb 2019 17:14

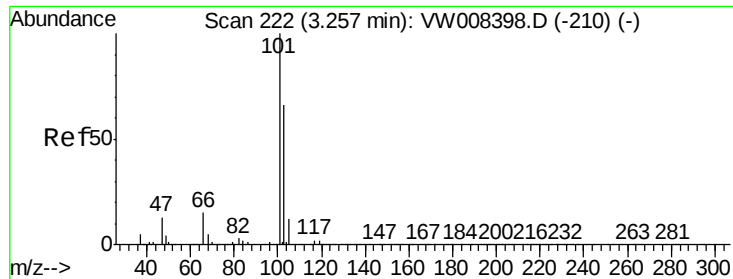
Tgt Ion: 64 Resp: 223350

Ion Ratio Lower Upper

64 100

66 32.8 24.9 37.3



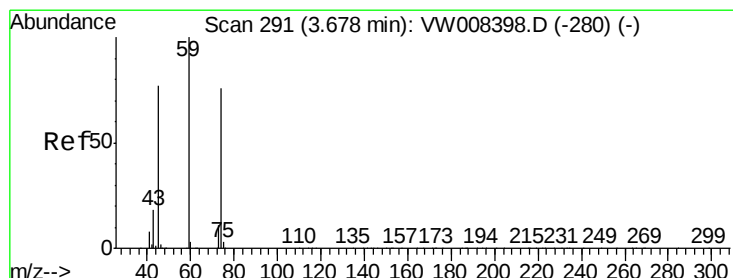
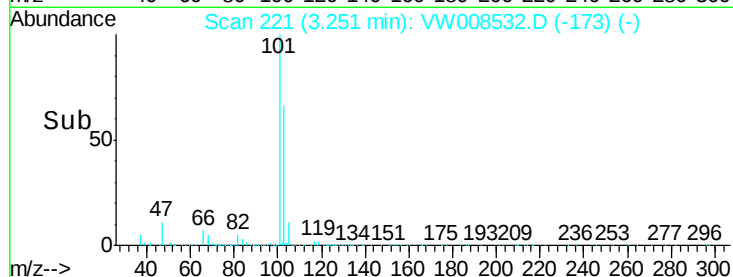
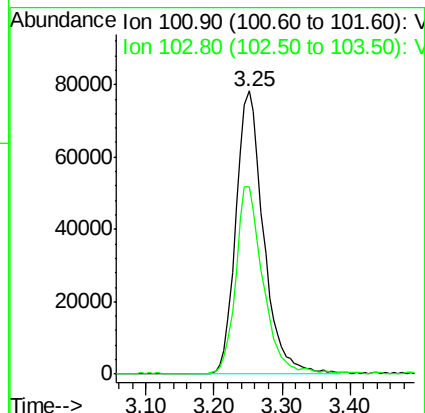
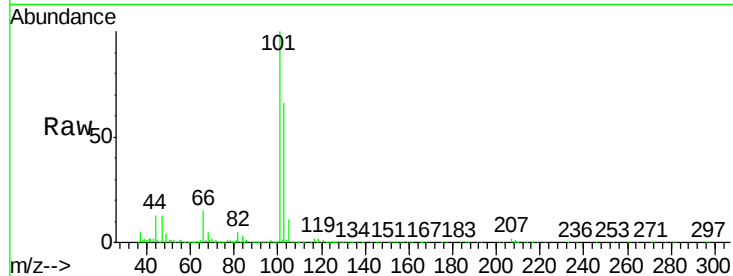


#7

Trichlorofluoromethane
Concen: 51.528 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008532.D
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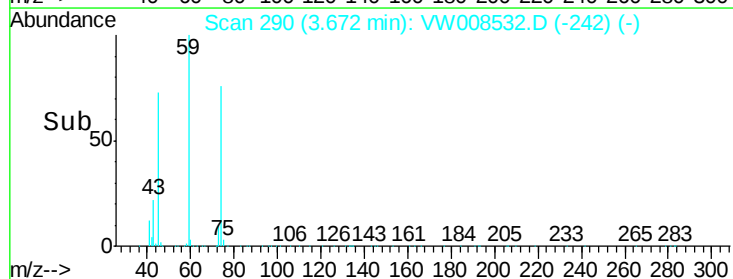
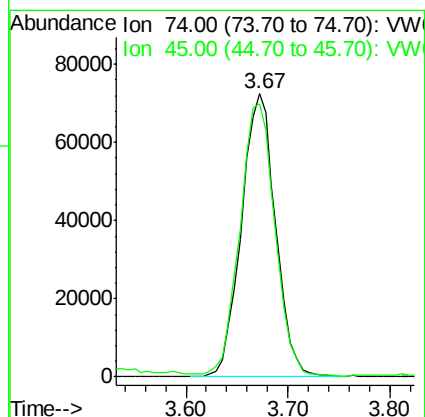
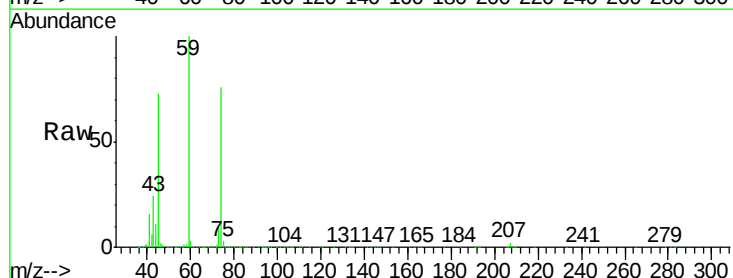
Tot Ion:101 Resp: 221119
Ion Ratio Lower Upper
101 100
103 66.3 52.5 78.7



#8

Diethyl Ether
Concen: 71.033 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

Tgt Ion: 74 Resp: 167676
Ion Ratio Lower Upper
74 100
45 99.8 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 59.183 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

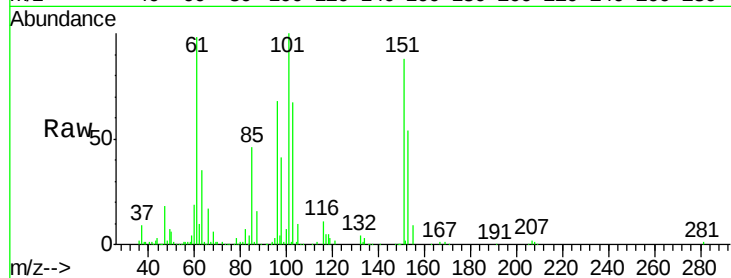
Tot Ion:101 Resp: 253372

Ion Ratio Lower Upper

101 100

85 43.8 35.0 52.4

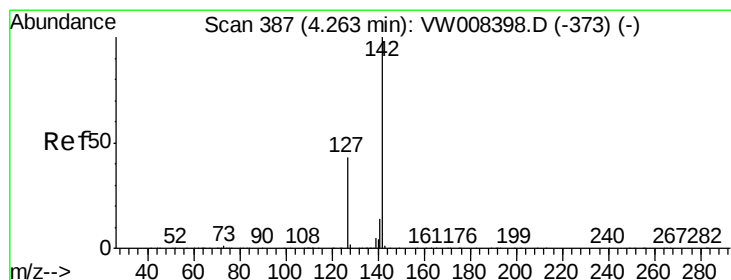
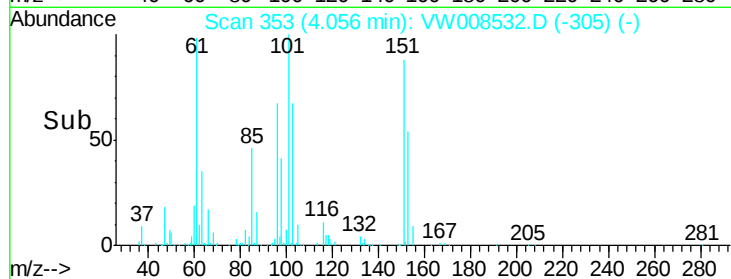
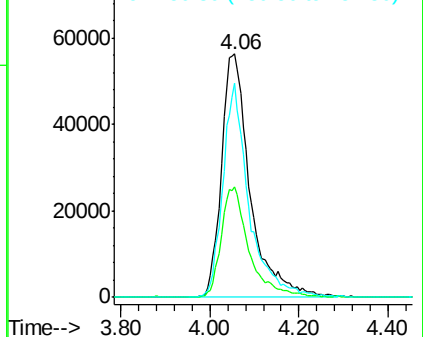
151 80.1 62.6 94.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 57.748 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

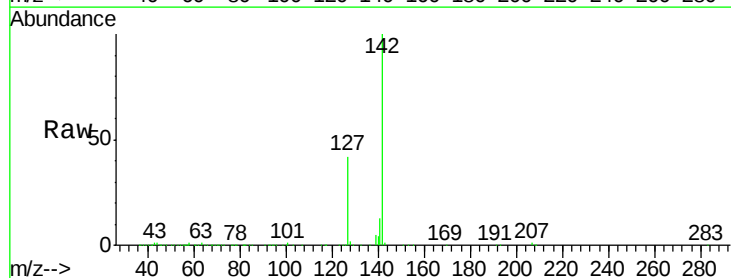
Tgt Ion:142 Resp: 390500

Ion Ratio Lower Upper

142 100

127 42.5 34.6 52.0

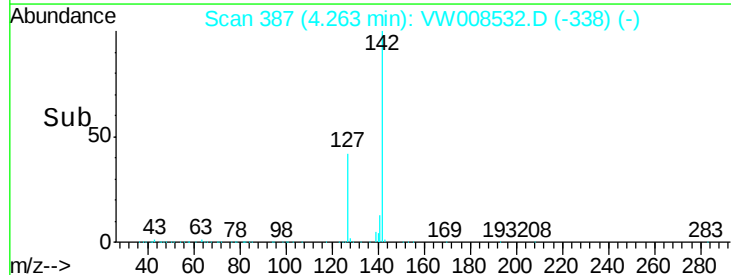
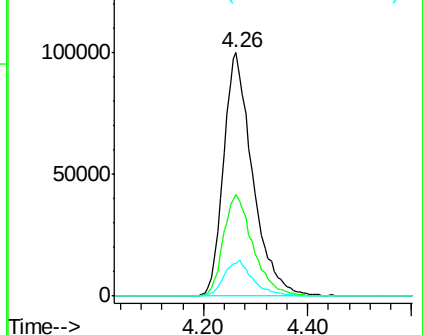
141 14.6 11.4 17.2

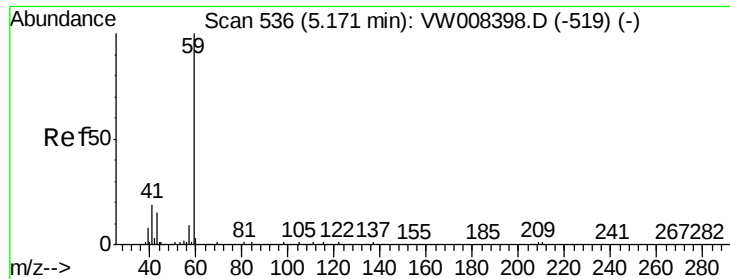


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



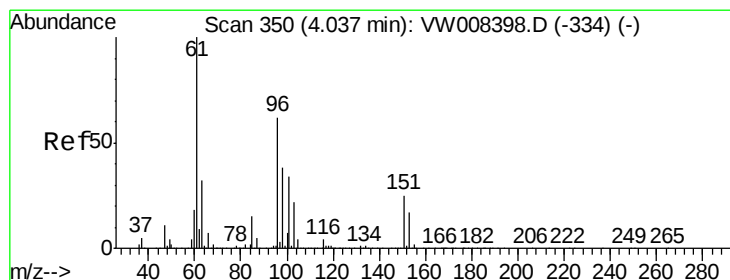
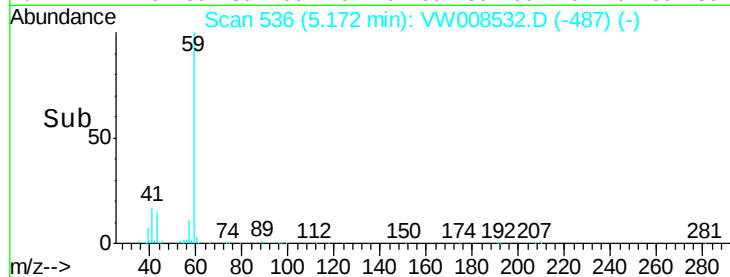
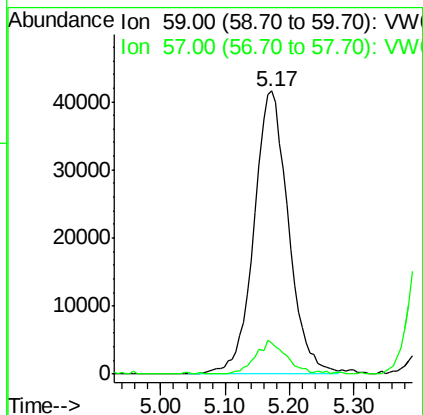
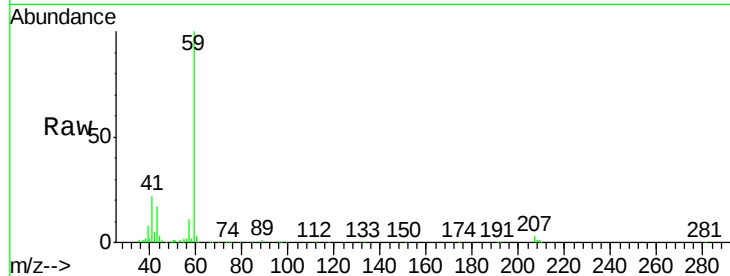


#11

Tert butyl alcohol
 Concen: 410.871 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW008532.D
 Acq: 06 Feb 2019 17:14

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MS

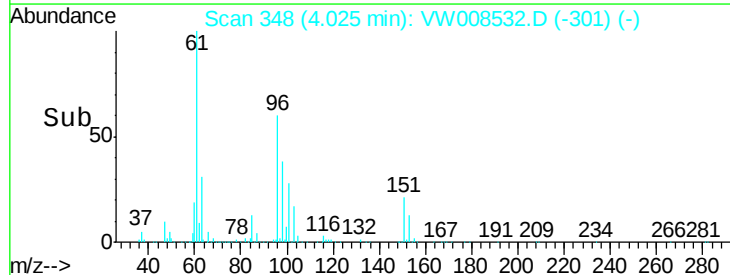
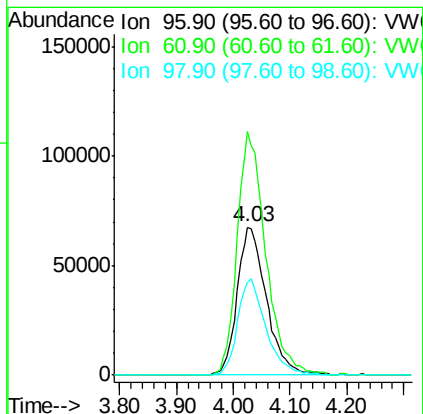
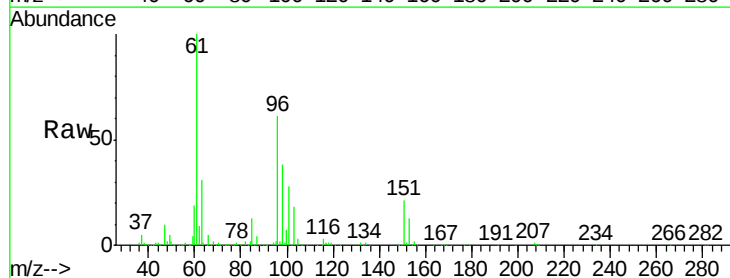
Tot Ion: 59 Resp: 153826
 Ion Ratio Lower Upper
 59 100
 57 10.2 9.3 13.9

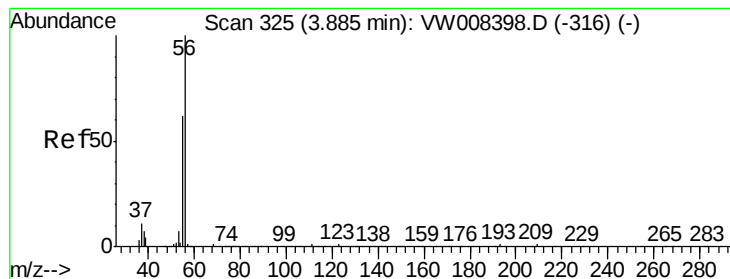


#12

1,1-Dichloroethene
 Concen: 55.910 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW008532.D
 Acq: 06 Feb 2019 17:14

Tgt Ion: 96 Resp: 242239
 Ion Ratio Lower Upper
 96 100
 61 165.0 129.5 194.3
 98 62.6 48.6 73.0





#13

Acrolein

Concen: 85.208 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

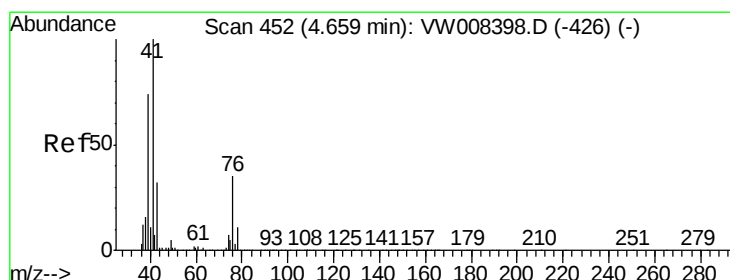
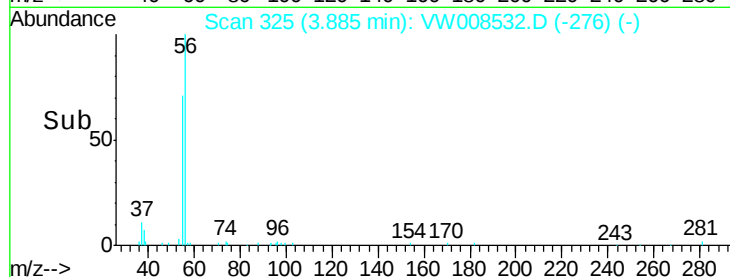
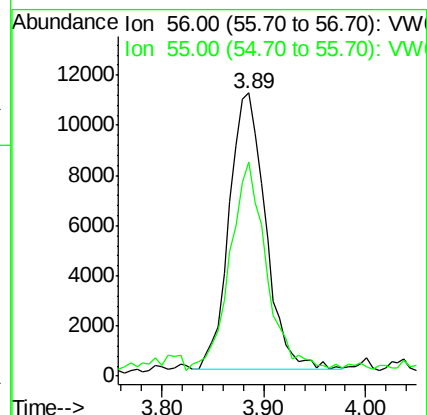
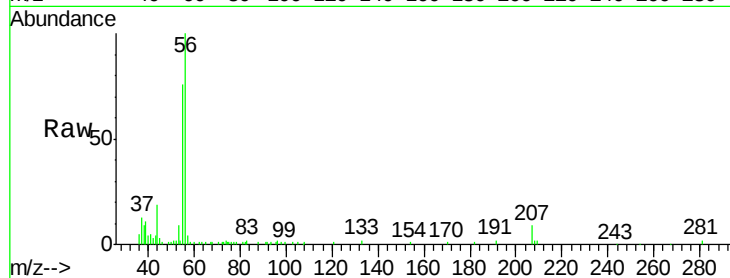
98-SB-01-2-4MS

Tot Ion: 56 Resp: 27219

Ion Ratio Lower Upper

56 100

55 76.7 56.7 85.1



#14

Allyl chloride

Concen: 53.395 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

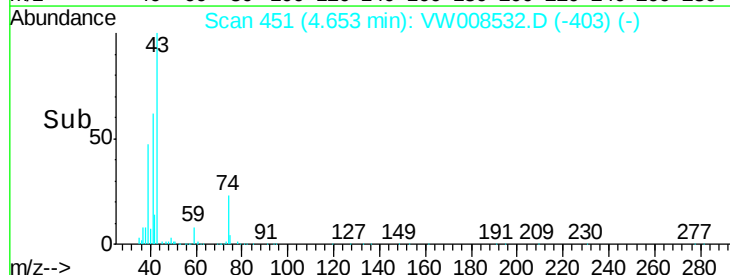
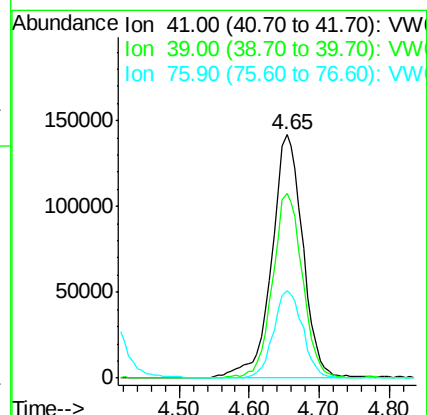
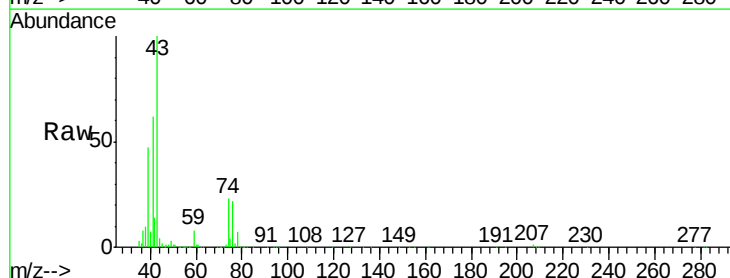
Tgt Ion: 41 Resp: 439294

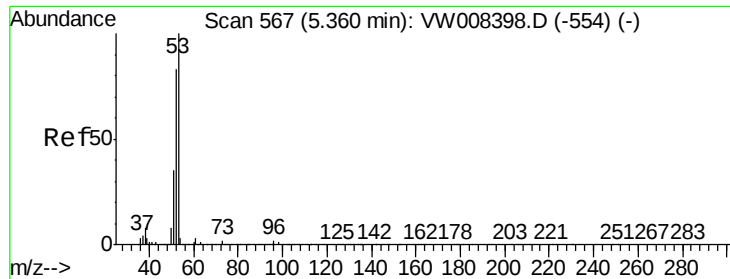
Ion Ratio Lower Upper

41 100

39 73.3 57.7 86.5

76 33.6 26.9 40.3





#15

Acrylonitrile

Concen: 403.887 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

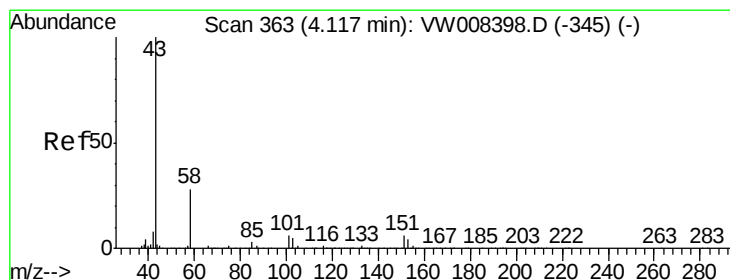
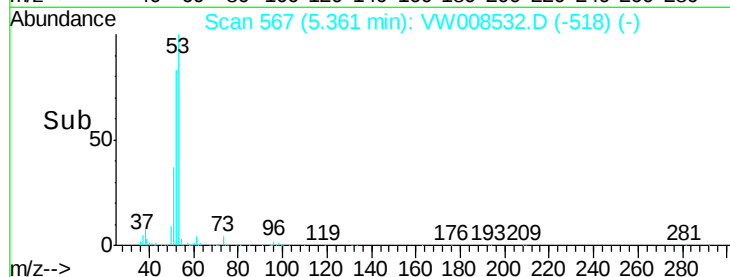
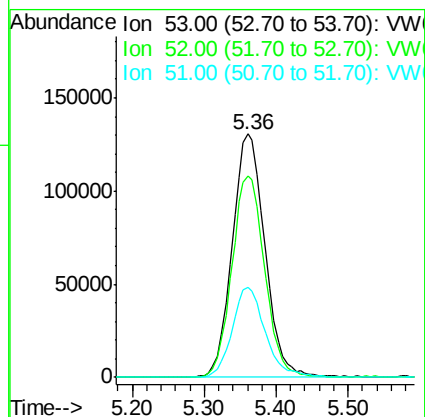
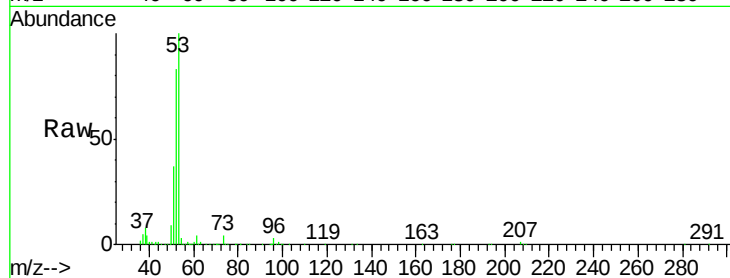
Tot Ion: 53 Resp: 411684

Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.0	100.4
51	37.6	29.8	44.8

53 100

52 83.2 67.0 100.4

51 37.6 29.8 44.8



#16

Acetone

Concen: 471.274 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008532.D

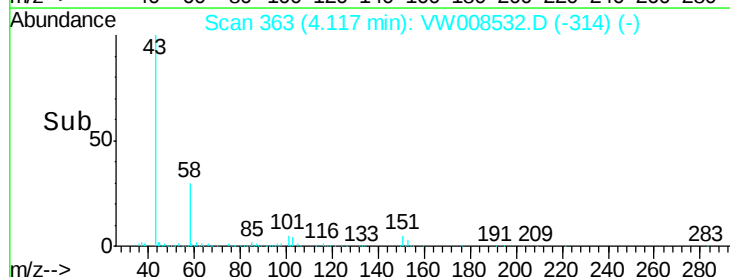
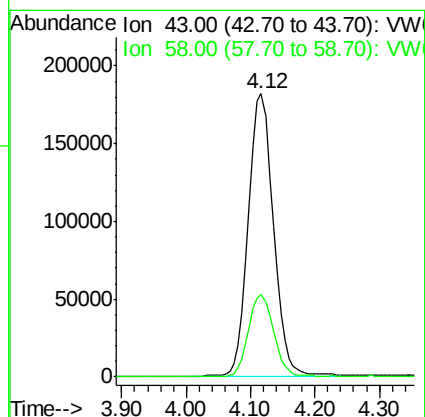
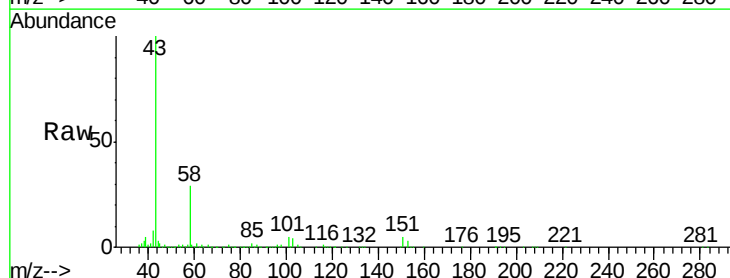
Acq: 06 Feb 2019 17:14

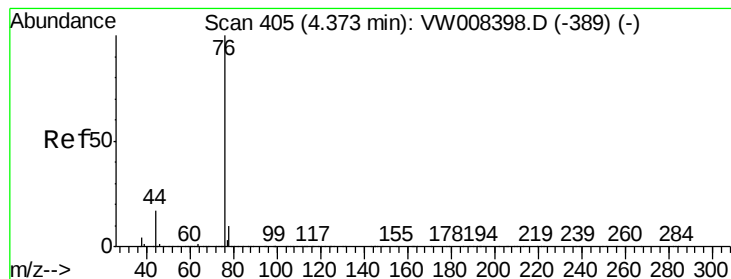
Tgt Ion: 43 Resp: 492132

Ion	Ratio	Lower	Upper
43	100		
58	29.1	22.6	34.0

43 100

58 29.1 22.6 34.0





#17

Carbon Disulfide

Concen: 43.967 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

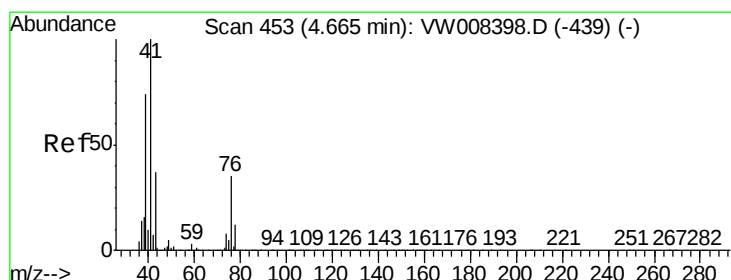
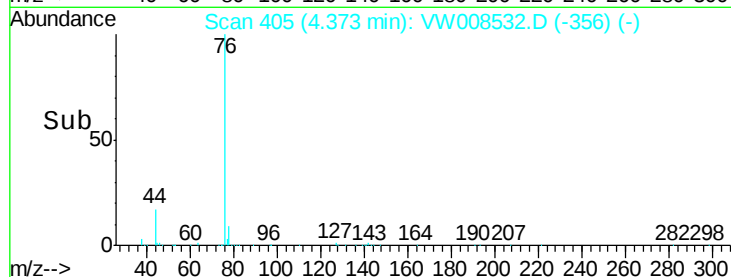
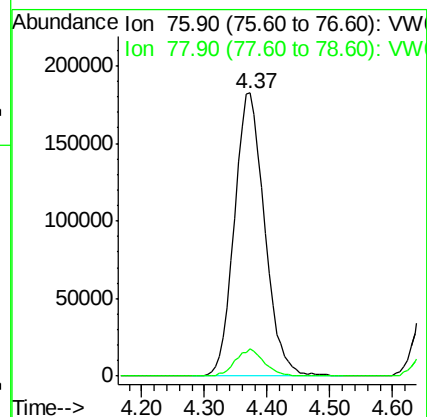
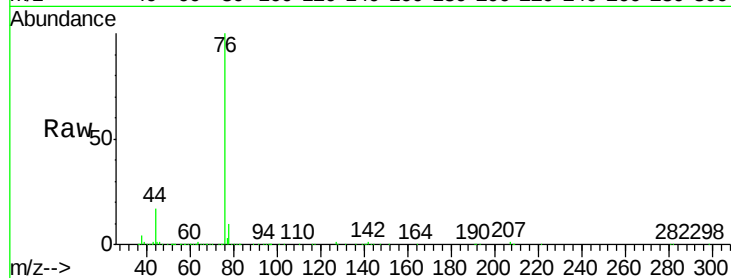
98-SB-01-2-4MS

Tot Ion: 76 Resp: 608399

Ion Ratio Lower Upper

76 100

78 9.6 7.7 11.5



#18

Methyl Acetate

Concen: 269.621 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008532.D

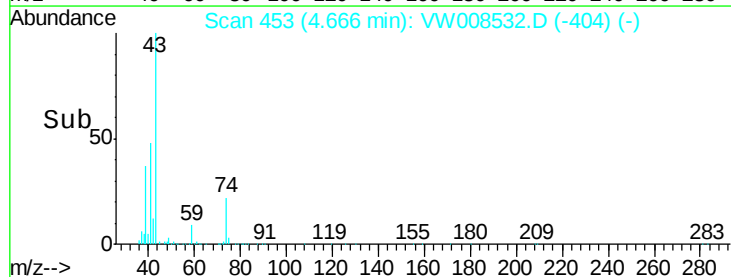
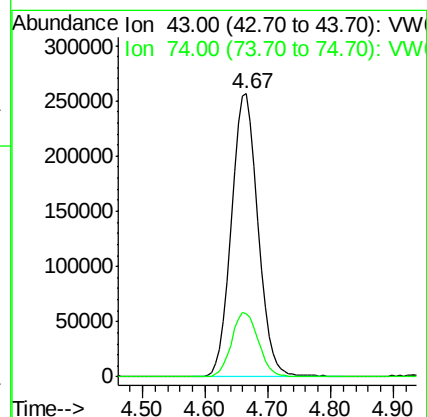
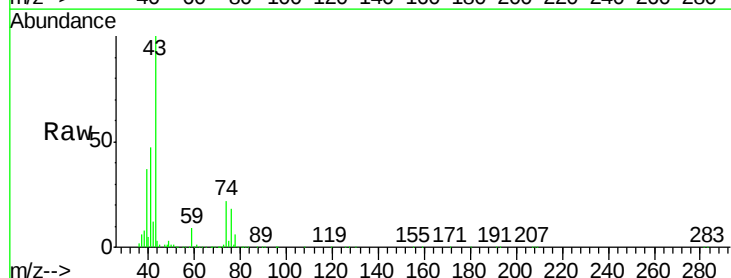
Acq: 06 Feb 2019 17:14

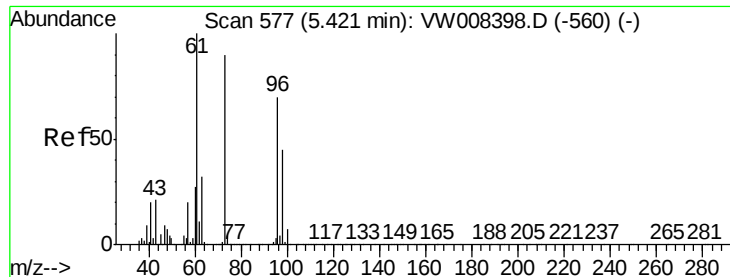
Tgt Ion: 43 Resp: 750963

Ion Ratio Lower Upper

43 100

74 23.0 17.5 26.3

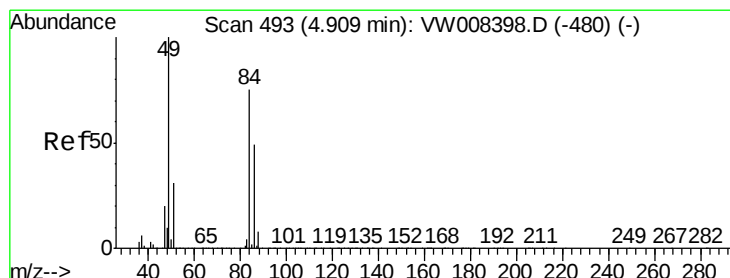
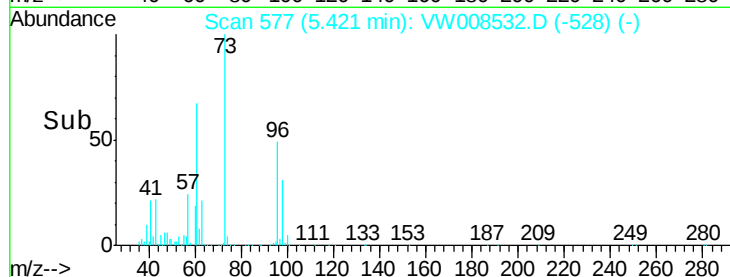
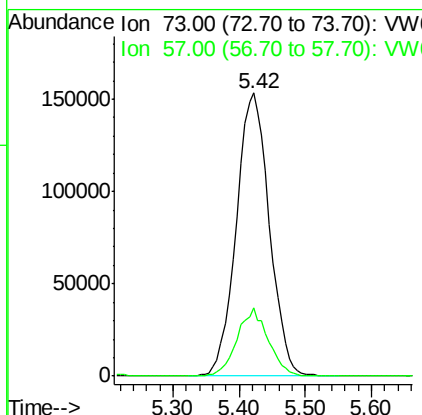
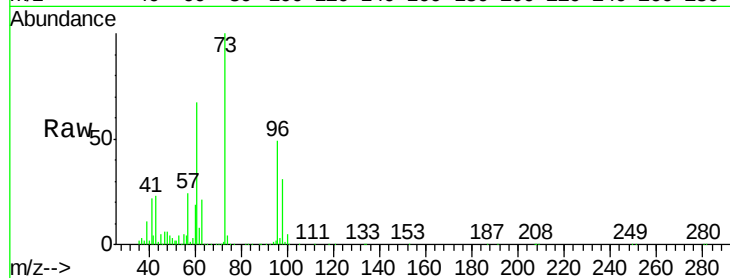




#19
Methvl tert-butvl Ether
Concen: 74.129 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

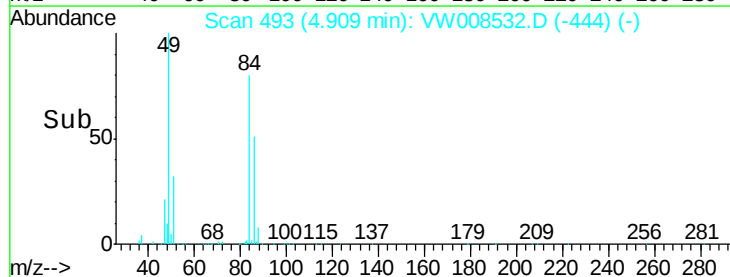
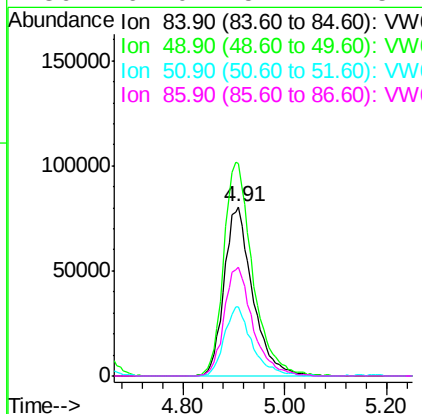
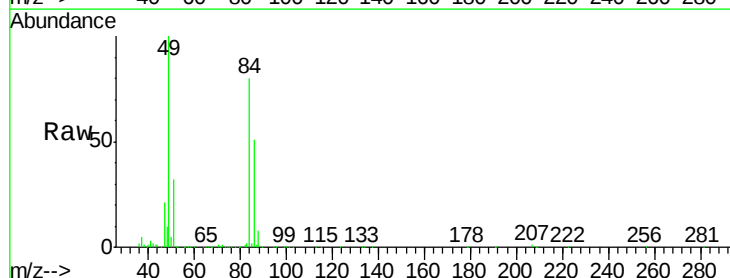
Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

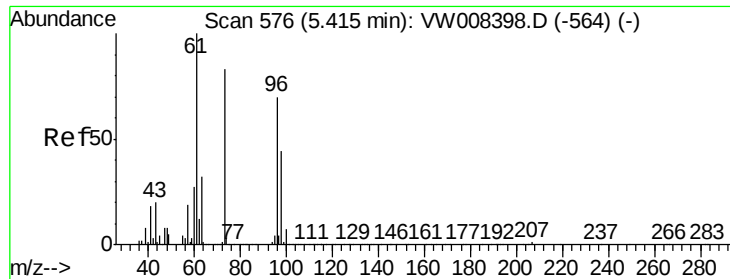
Tot Ion: 73 Resp: 531389
Ion Ratio Lower Upper
73 100
57 23.9 18.0 27.0



#20
Methylene Chloride
Concen: 65.024 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

Tgt Ion: 84 Resp: 312965
Ion Ratio Lower Upper
84 100
49 125.2 106.8 160.2
51 40.4 32.9 49.3
86 64.0 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 52.684 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

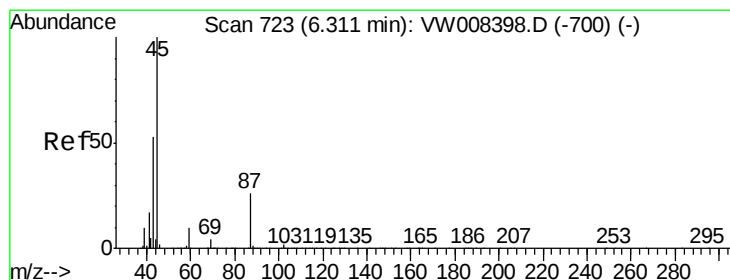
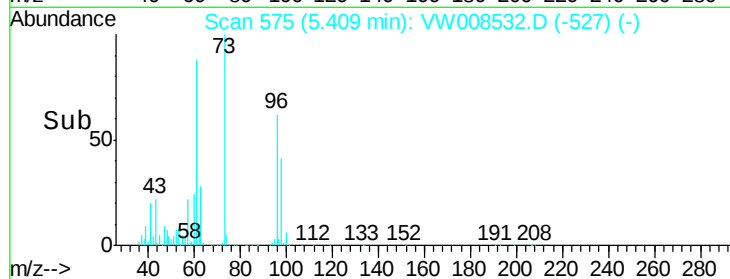
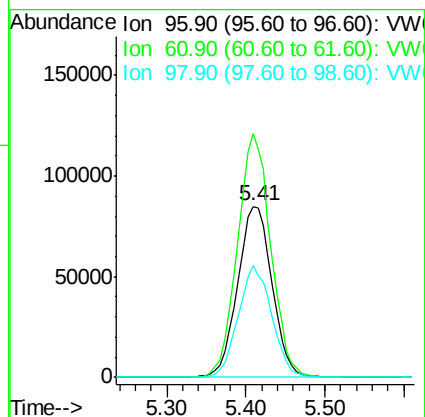
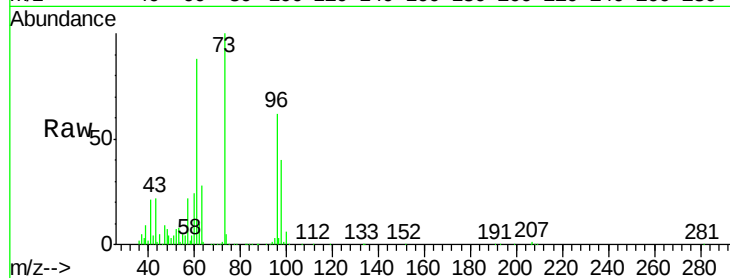
Tot Ion: 96 Resp: 256620

Ion Ratio Lower Upper

96 100

61 142.4 114.4 171.6

98 65.4 50.6 75.8



#22

Diisopropyl ether

Concen: 59.477 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Tgt Ion: 45 Resp: 927398

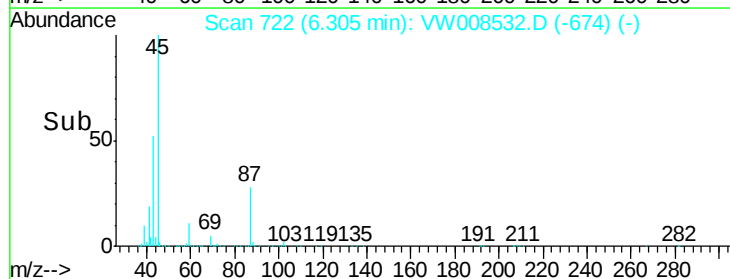
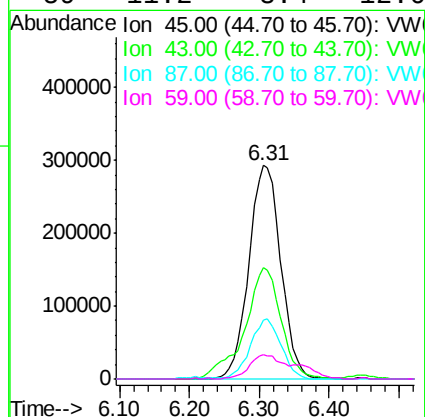
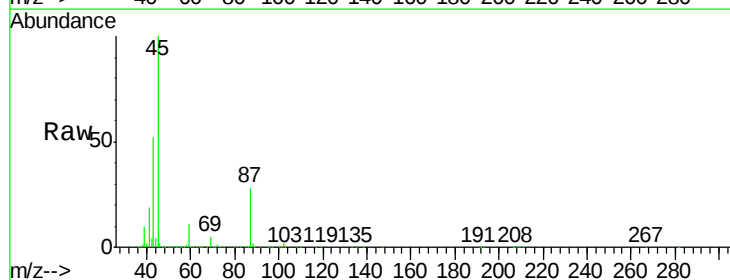
Ion Ratio Lower Upper

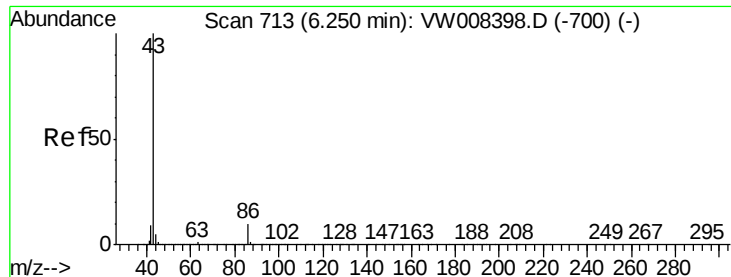
45 100

43 52.3 42.6 63.8

87 27.5 20.3 30.5

59 11.2 8.4 12.6





#23

Vinyl Acetate

Concen: 59.586 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.05 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

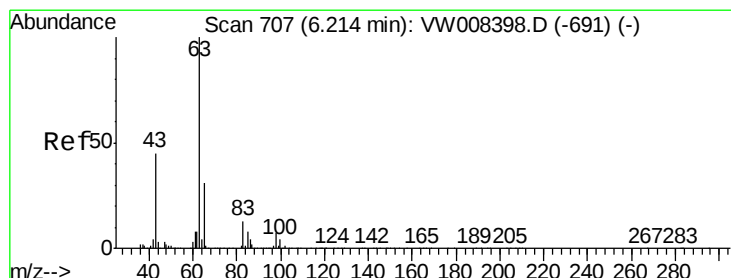
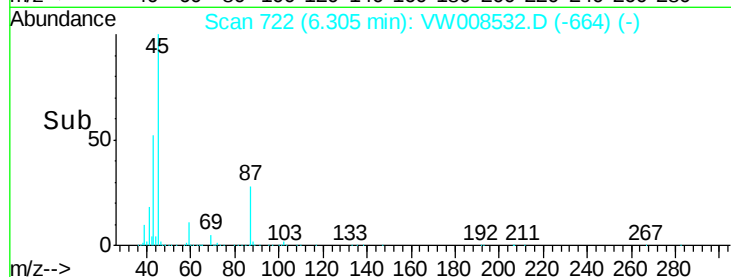
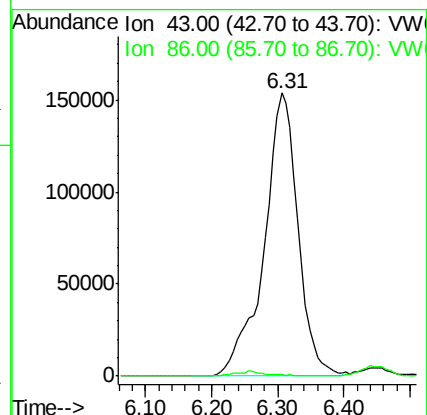
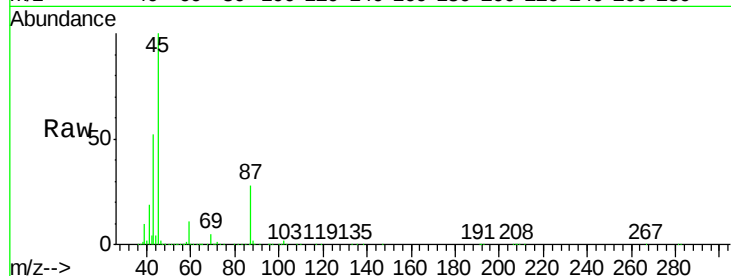
98-SB-01-2-4MS

Tot Ion: 43 Resp: 548607

Ion Ratio Lower Upper

43 100

86 0.6 7.8 11.8#



#24

1,1-Dichloroethane

Concen: 59.534 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

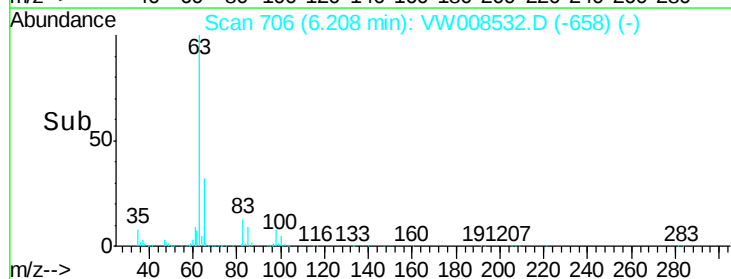
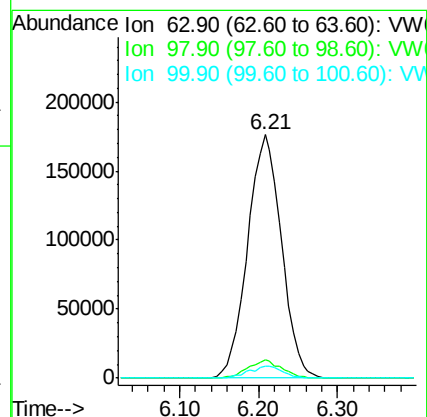
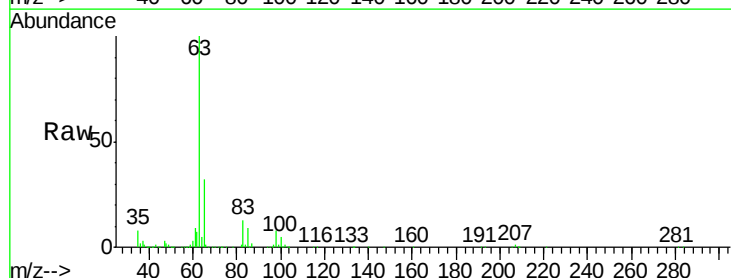
Tgt Ion: 63 Resp: 525448

Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.5

100 4.8 2.1 6.2





#25

2-Butanone

Concen: 404.161 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

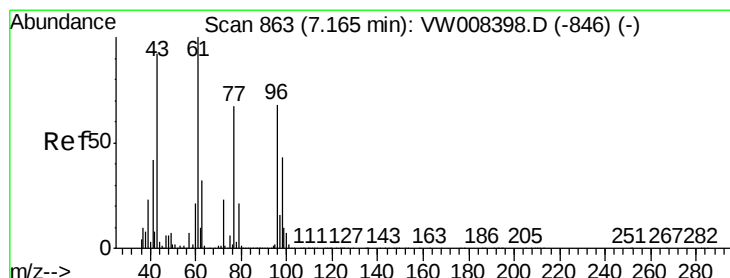
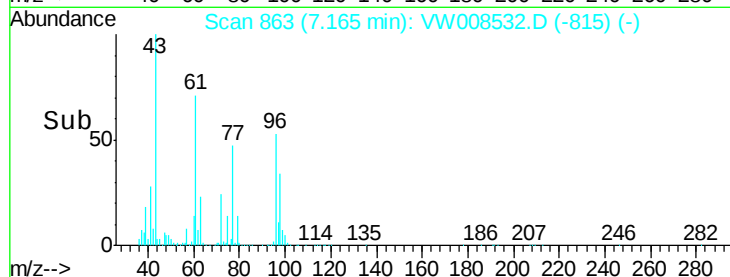
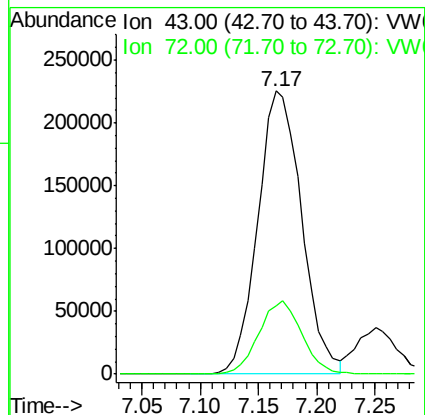
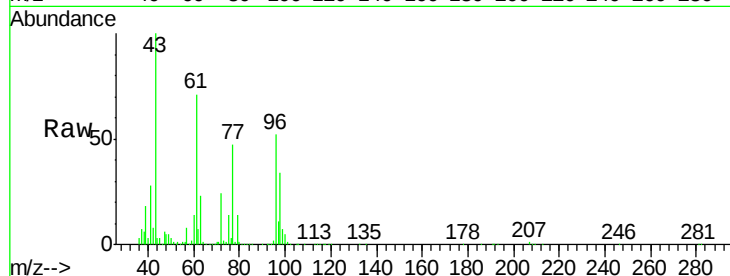
98-SB-01-2-4MS

Tot Ion: 43 Resp: 586217

Ion Ratio Lower Upper

43 100

72 24.1 20.1 30.1



#26

2,2-Dichloropropane

Concen: 52.587 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008532.D

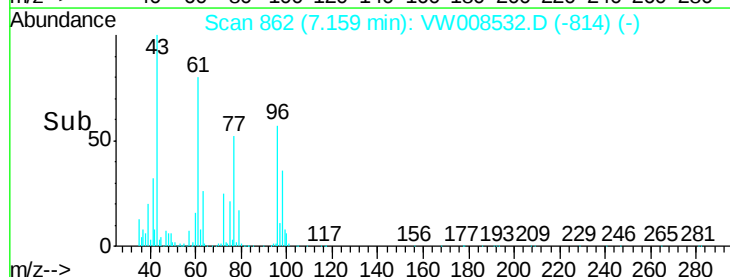
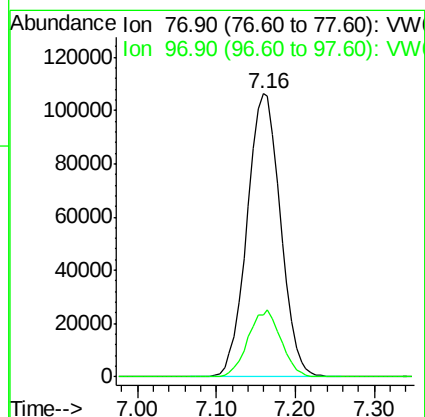
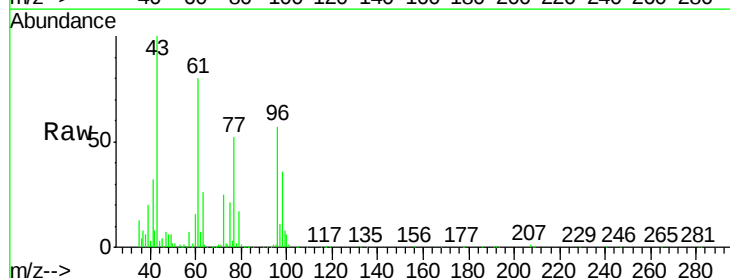
Acq: 06 Feb 2019 17:14

Tgt Ion: 77 Resp: 313728

Ion Ratio Lower Upper

77 100

97 23.1 11.5 34.5



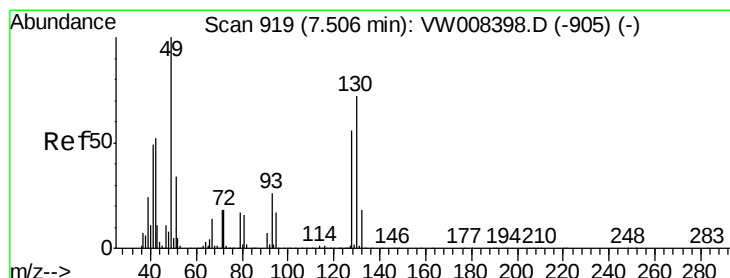
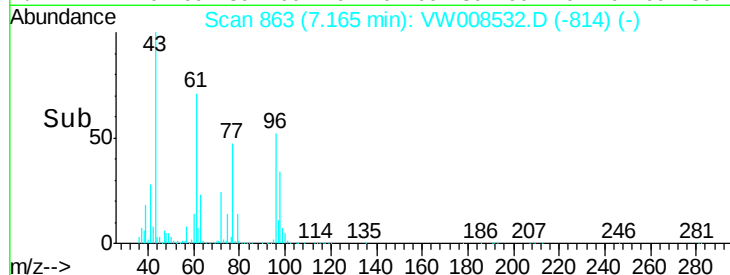
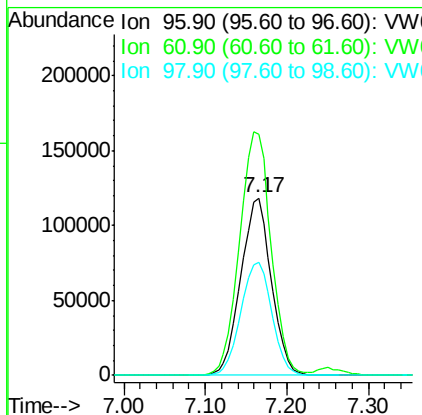
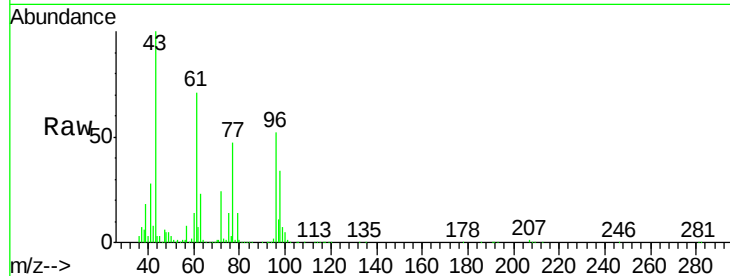


#27

cis-1,2-Dichloroethene
 Concen: 57.852 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW008532.D
 Acq: 06 Feb 2019 17:14

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MS

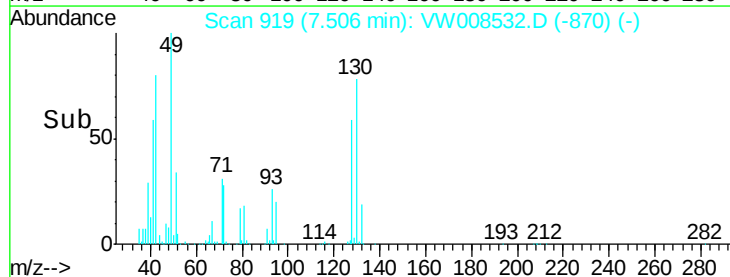
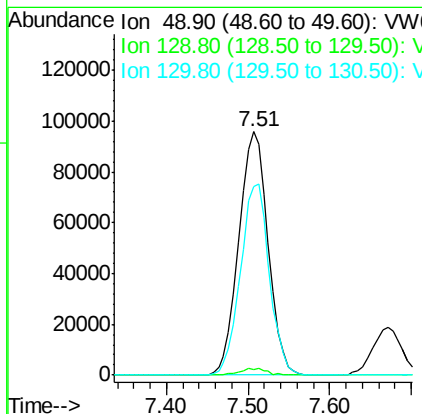
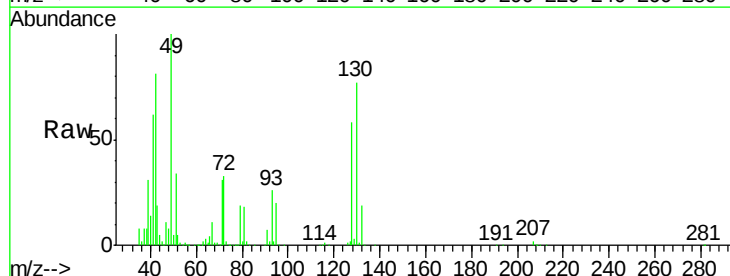
Tot Ion	96	Resp	307107
Ion Ratio	Lower	Upper	
96	100		
61	142.2	0.0	292.8
98	65.2	0.0	129.2

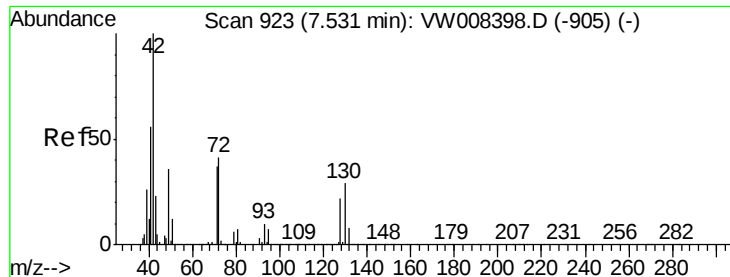


#28

Bromochloromethane
 Concen: 58.766 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW008532.D
 Acq: 06 Feb 2019 17:14

Tgt Ion	49	Resp	238224
Ion Ratio	Lower	Upper	
49	100		
129	2.5	0.0	4.6
130	77.6	58.6	87.8

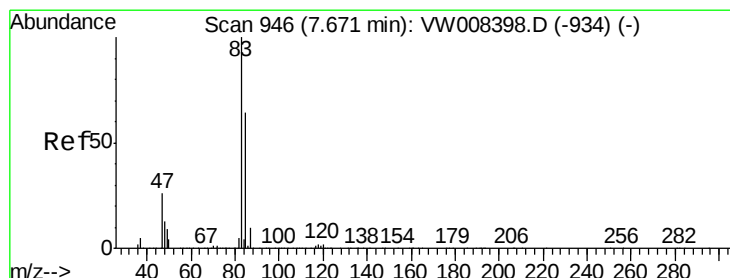
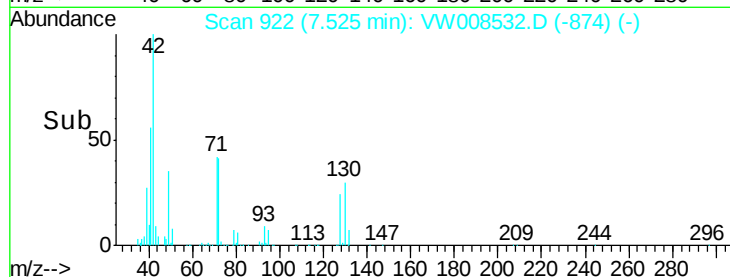
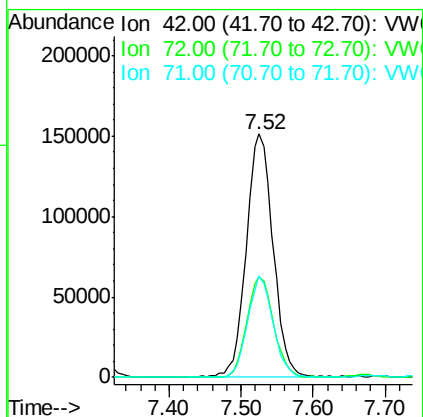
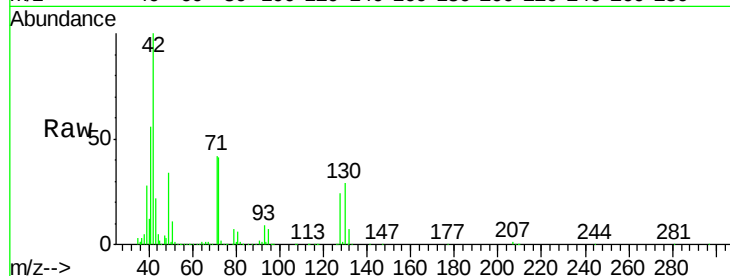




#29
Tetrahydrofuran
Concen: 423.720 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

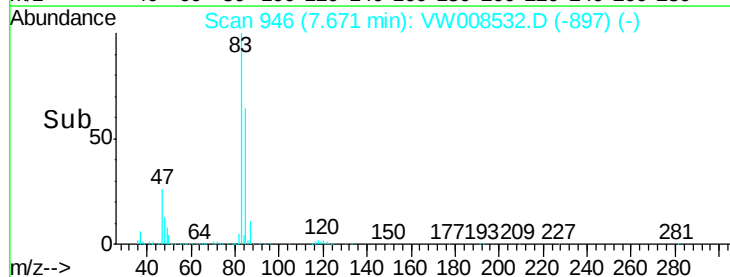
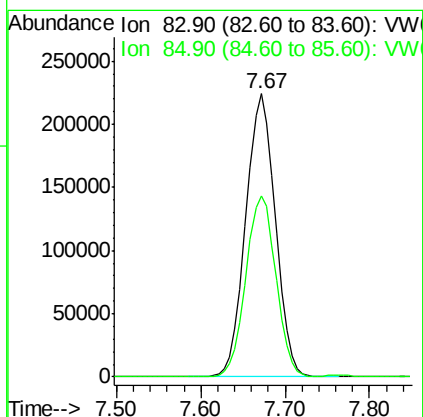
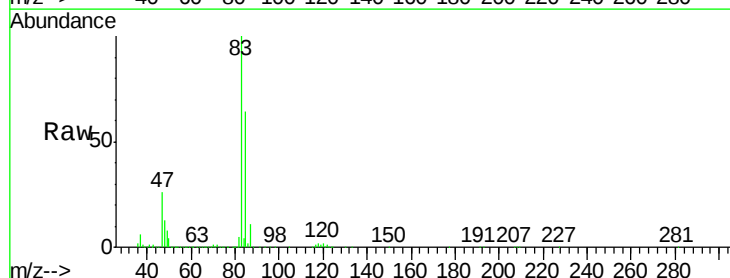
Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

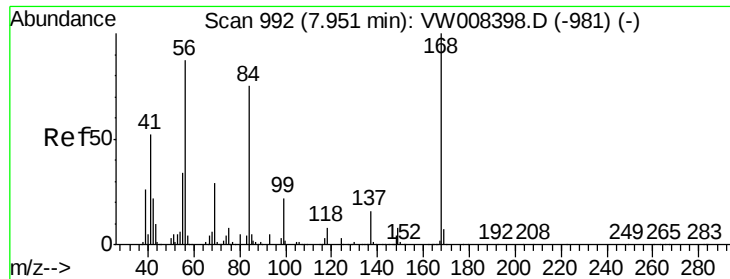
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	31.9	47.9
71	39.7	29.9	44.9



#30
Chloroform
Concen: 61.422 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.9	76.3





#31

Cyclohexane

Concen: 44.627 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

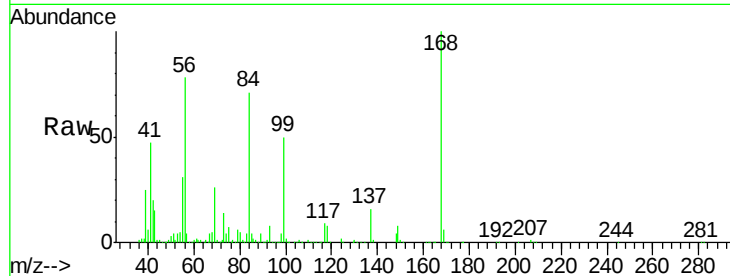
Tot Ion: 56 Resp: 407278

Ion Ratio Lower Upper

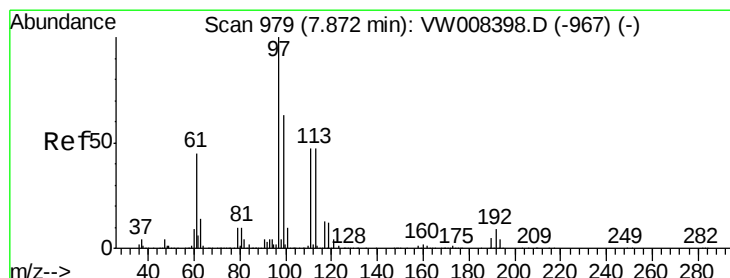
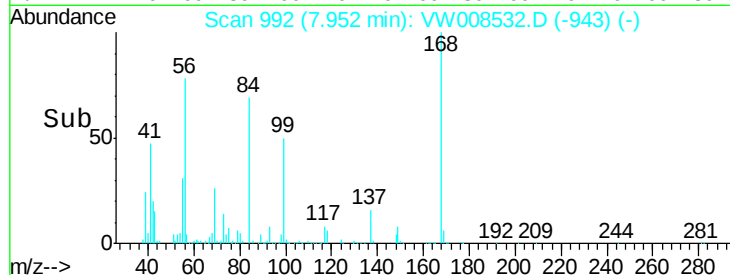
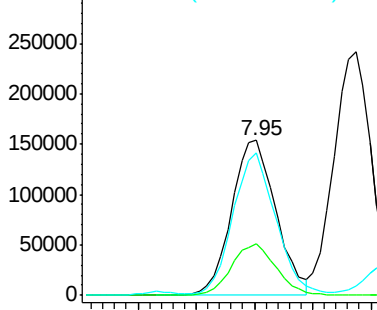
56 100

69 33.5 26.4 39.6

84 89.1 69.1 103.7



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: 58.770 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

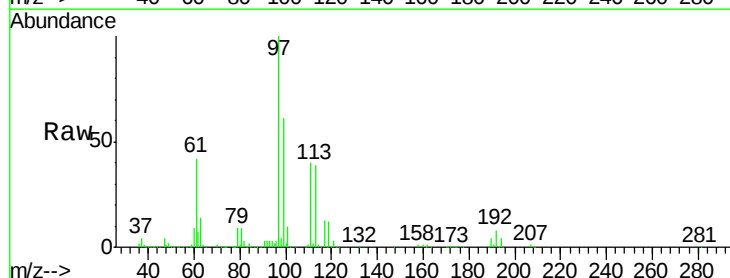
Tgt Ion: 97 Resp: 440669

Ion Ratio Lower Upper

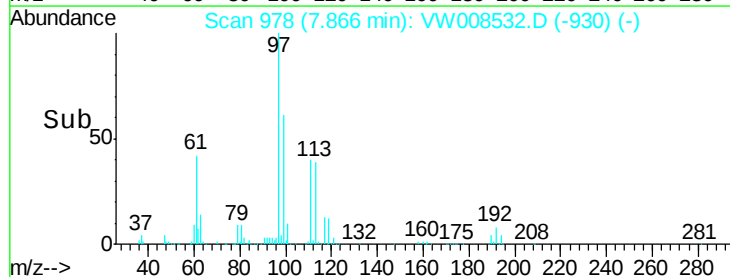
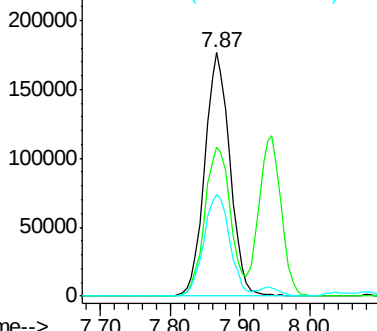
97 100

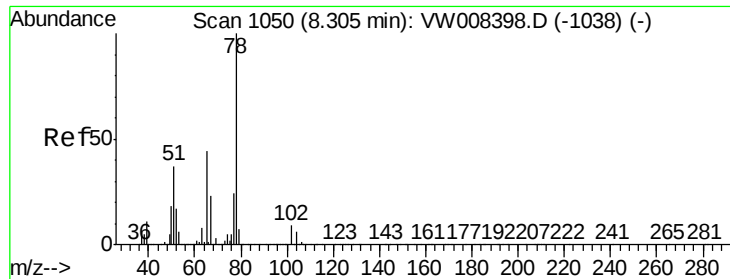
99 63.4 51.3 76.9

61 43.1 36.2 54.4



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

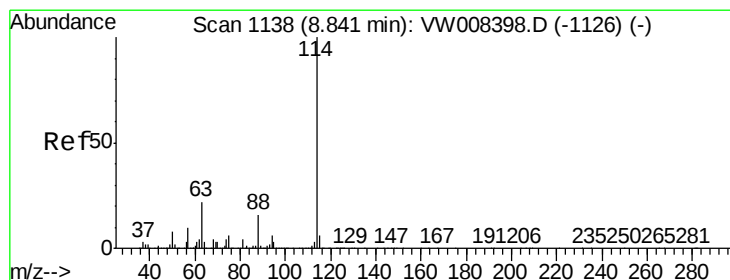
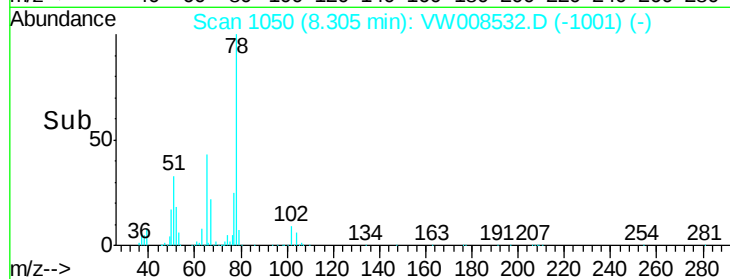
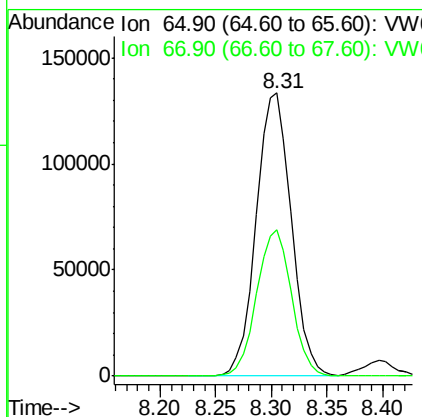
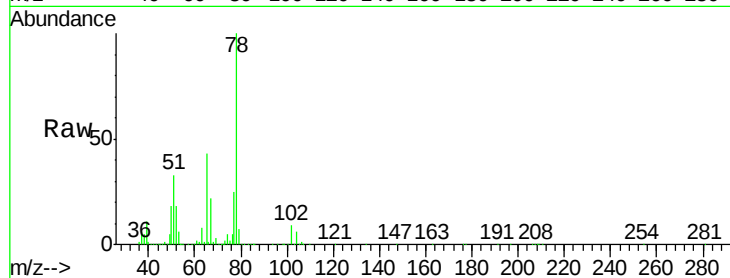




#33
 1,2-Dichloroethane-d4
 Concen: 63.089 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008532.D
 Acq: 06 Feb 2019 17:14

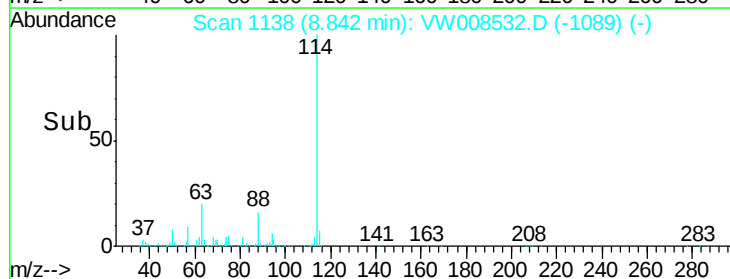
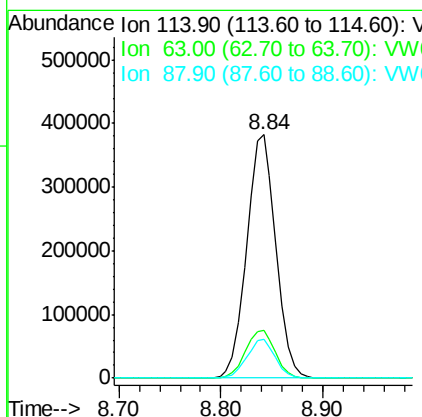
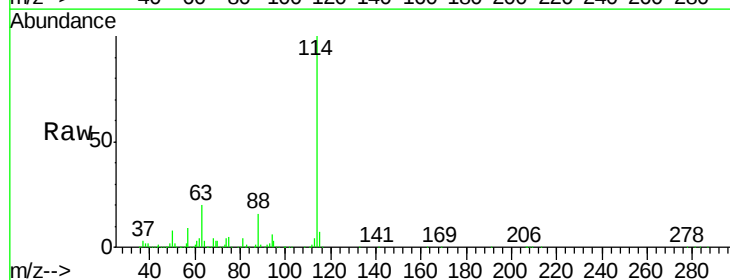
Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MS

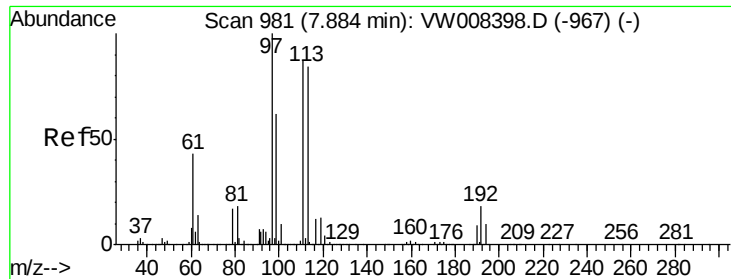
Tot Ion: 65 Resp: 293372
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008532.D
 Acq: 06 Feb 2019 17:14

Tgt Ion: 114 Resp: 759691
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 43.6
 88 15.8 0.0 31.8

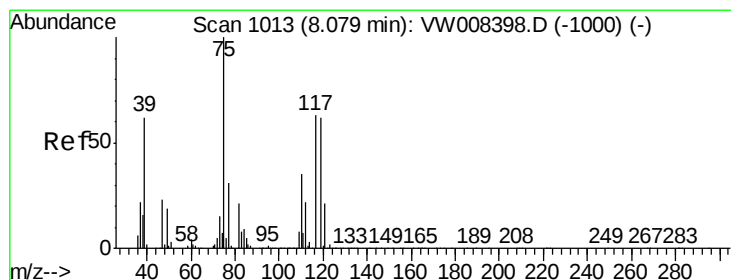
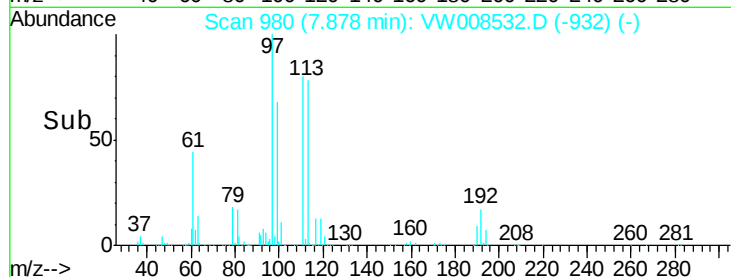
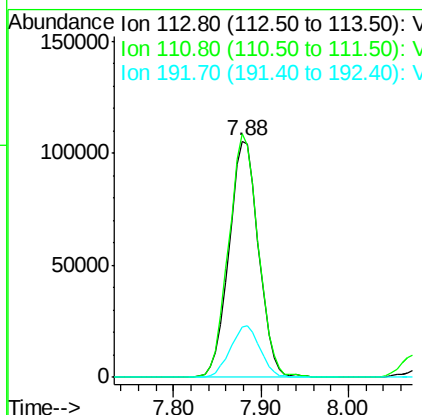
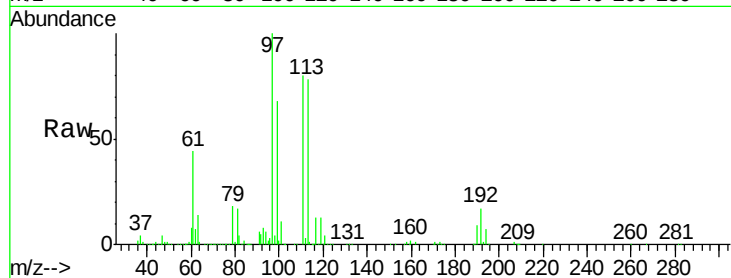




#35
 Dibromofluoromethane
 Concen: 55.931 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008532.D
 Acq: 06 Feb 2019 17:14

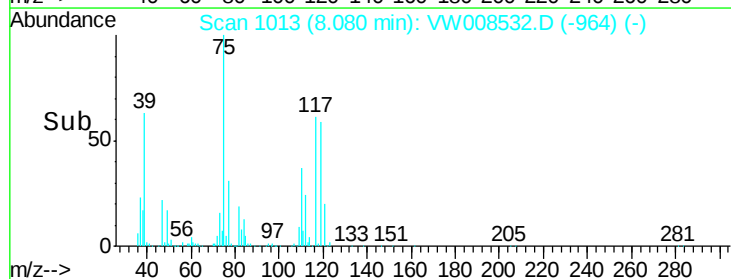
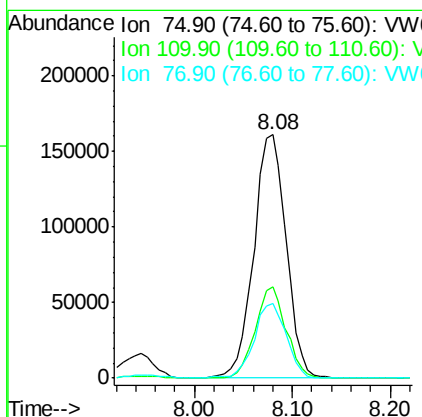
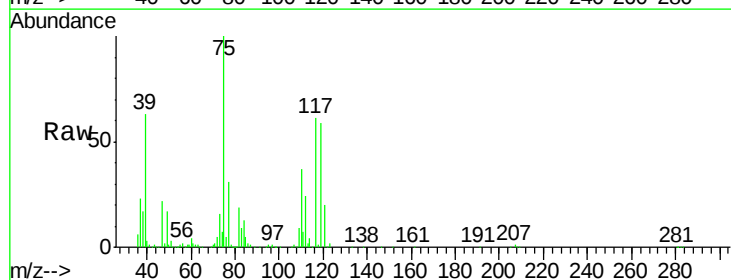
Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MS

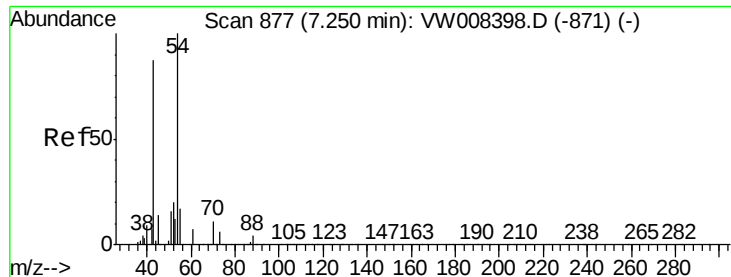
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.0	121.4
192	22.0	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 51.291 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008532.D
 Acq: 06 Feb 2019 17:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.3	52.0
77	30.7	24.7	37.1

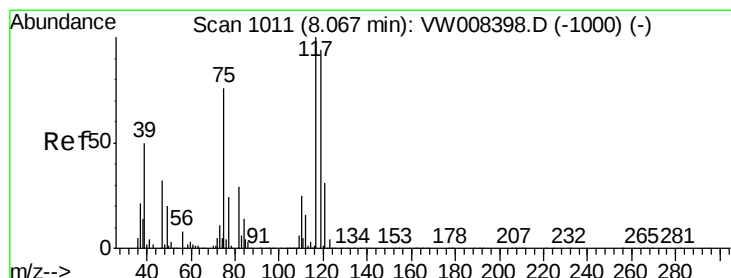
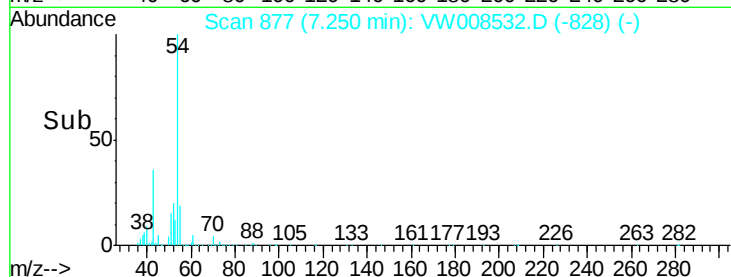
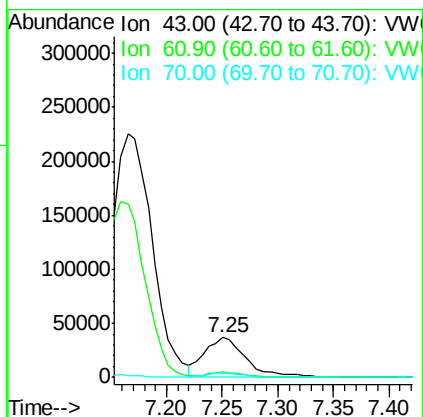
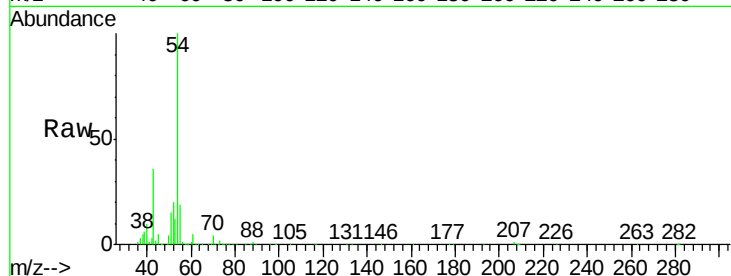




#37
Ethyl Acetate
Concen: 29.589 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

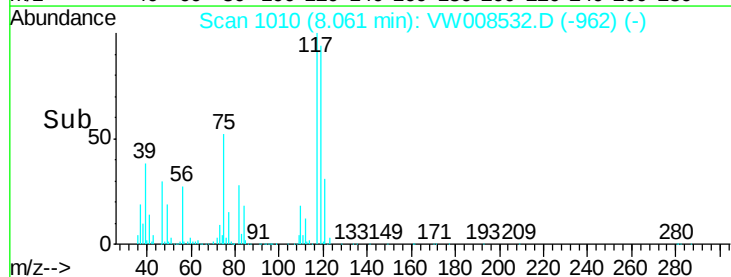
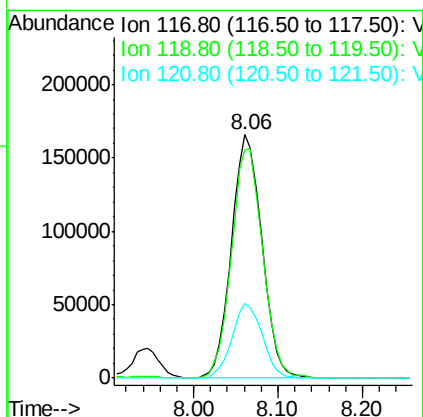
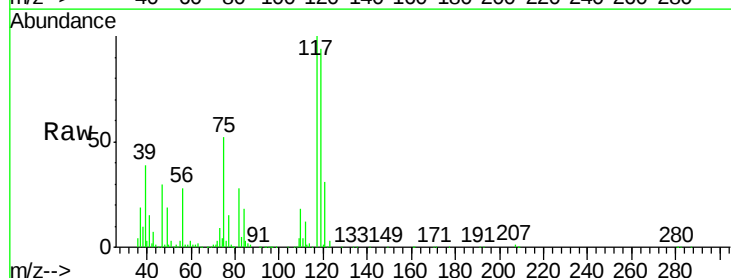
Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

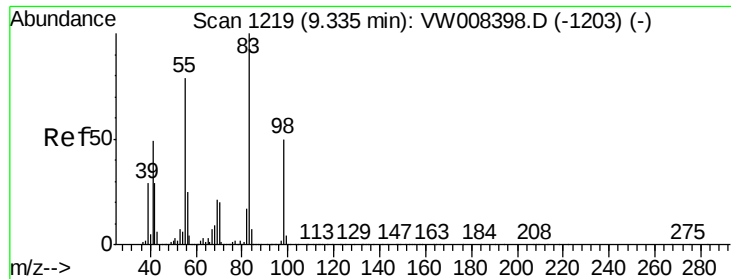
Tot Ion: 43 Resp: 93941
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 10.2 7.8 11.6



#38
Carbon Tetrachloride
Concen: 56.214 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

Tgt Ion: 117 Resp: 405938
Ion Ratio Lower Upper
117 100
119 93.8 75.0 112.4
121 30.7 24.9 37.3

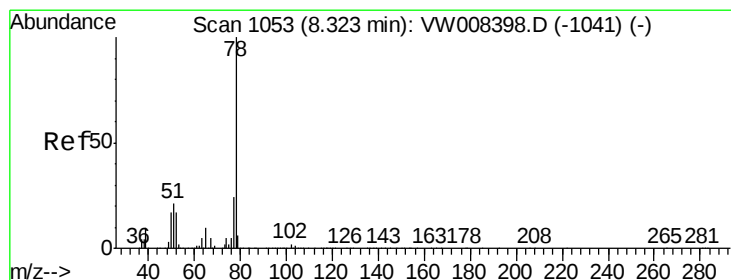
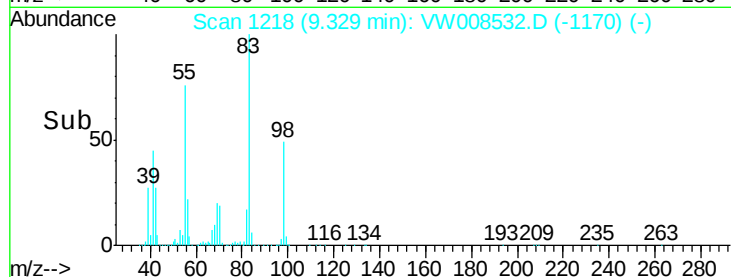
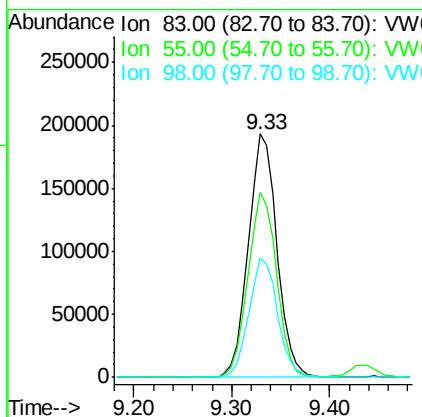
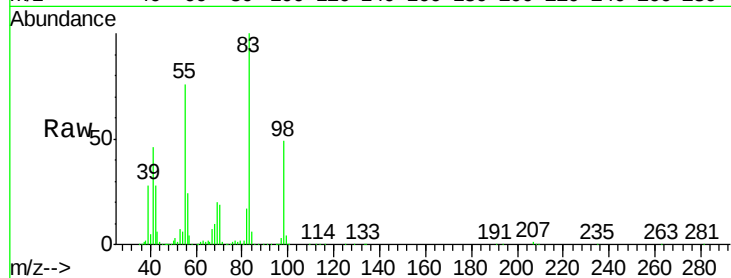




#39
Methvlcvclohexane
Concen: 41.594 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

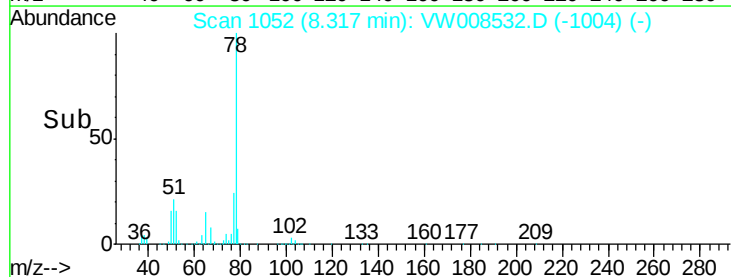
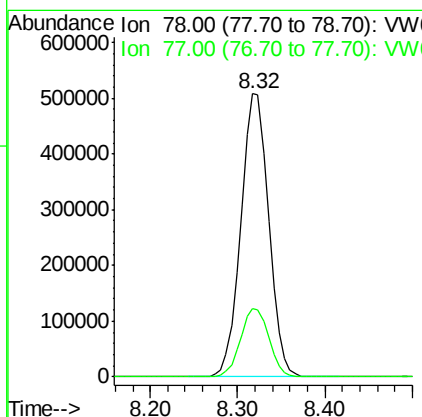
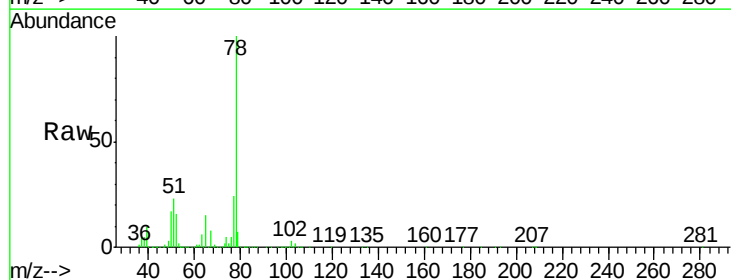
Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

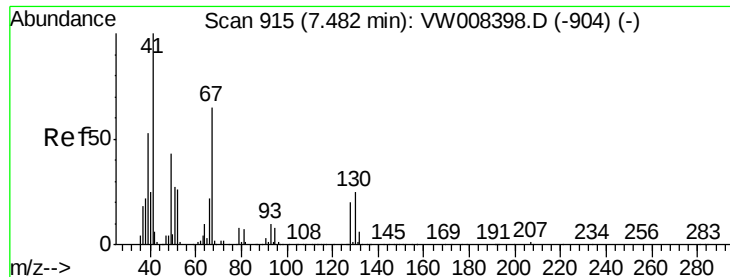
Tot Ion: 83 Resp: 392113
Ion Ratio Lower Upper
83 100
55 75.7 63.3 94.9
98 49.1 39.7 59.5



#40
Benzene
Concen: 56.400 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

Tgt Ion: 78 Resp: 1123091
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6





#41

Methacrylonitrile

Concen: 71.827 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

Tot Ion: 41 Resp: 135029

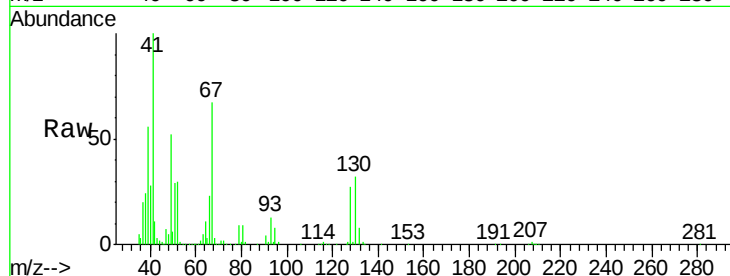
Ion Ratio Lower Upper

41 100

39 63.6 43.4 65.0

67 73.4 54.2 81.2

52 32.3 22.9 34.3

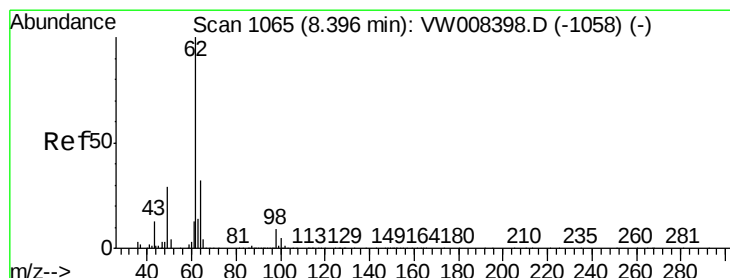
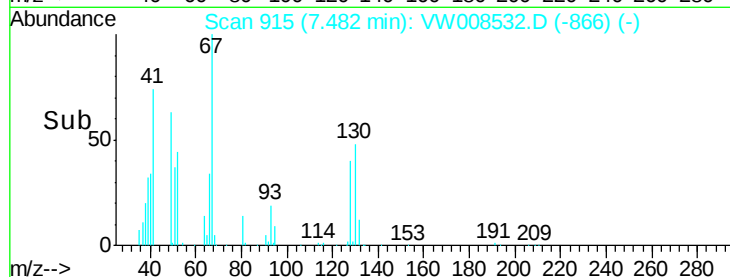
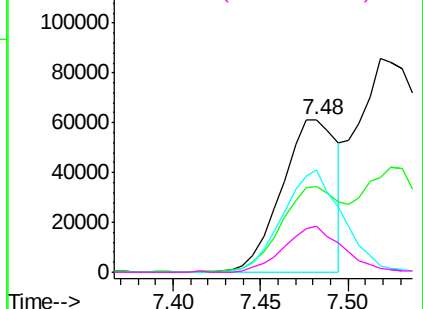


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 65.134 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW008532.D

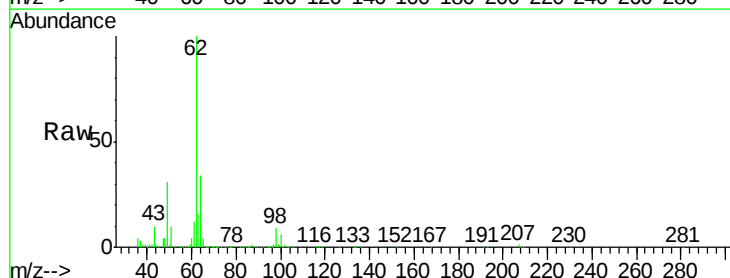
Acq: 06 Feb 2019 17:14

Tgt Ion: 62 Resp: 375868

Ion Ratio Lower Upper

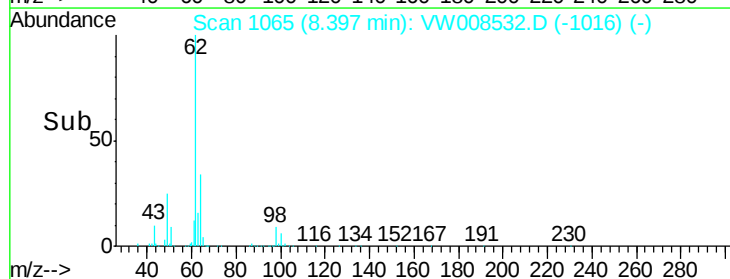
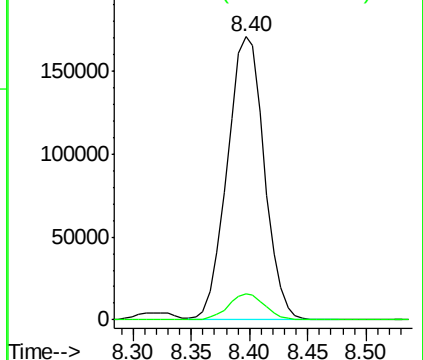
62 100

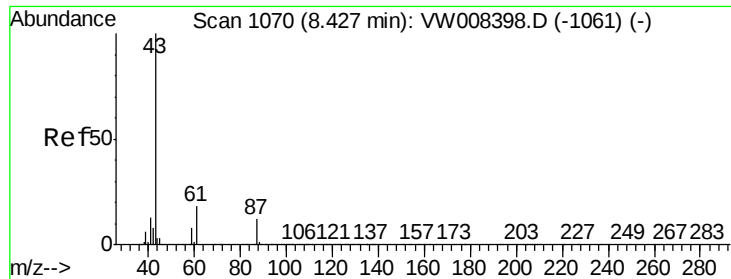
98 9.2 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 38.483 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

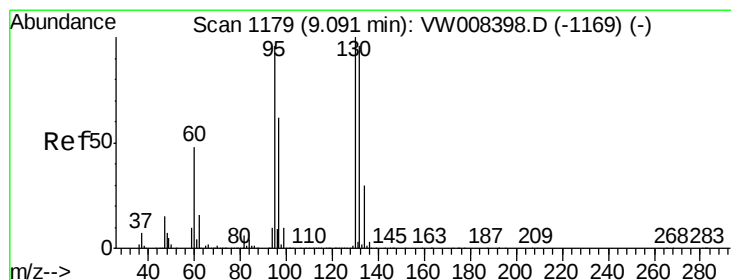
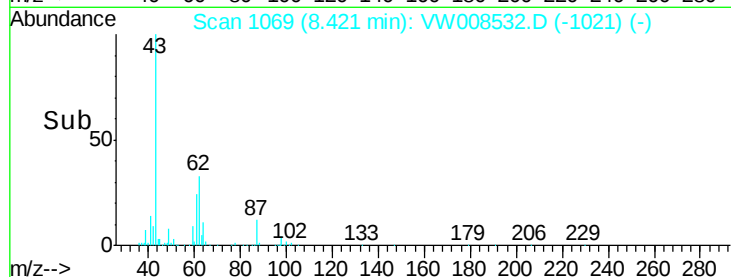
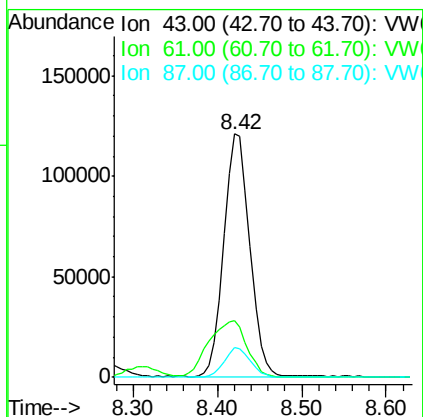
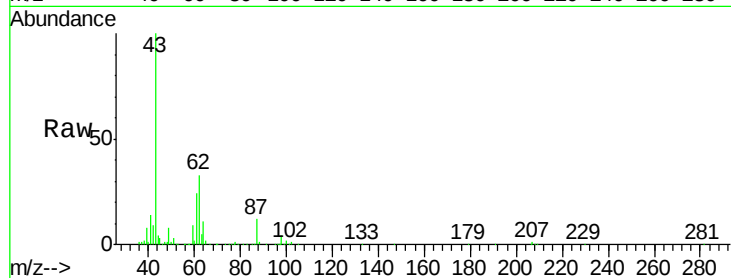
Tot Ion: 43 Resp: 253833

Ion Ratio Lower Upper

43 100

61 34.7 22.0 33.0#

87 12.2 9.3 13.9



#44

Trichloroethene

Concen: 65.147 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW008532.D

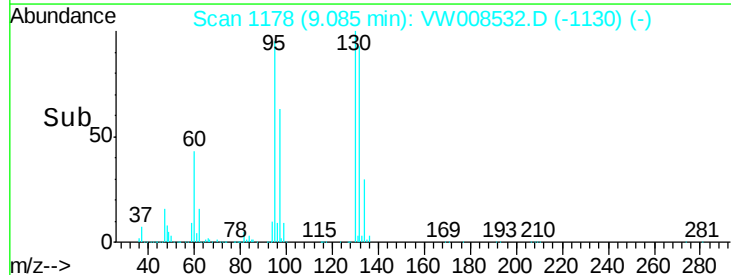
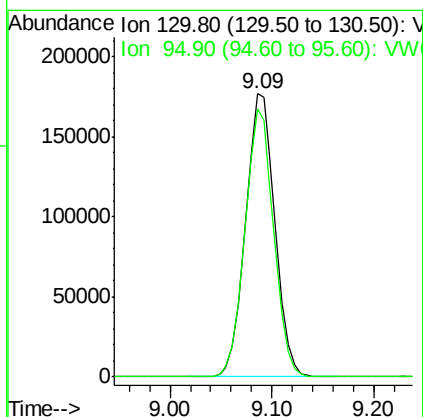
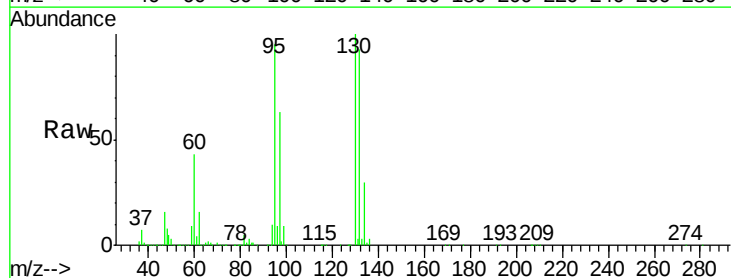
Acq: 06 Feb 2019 17:14

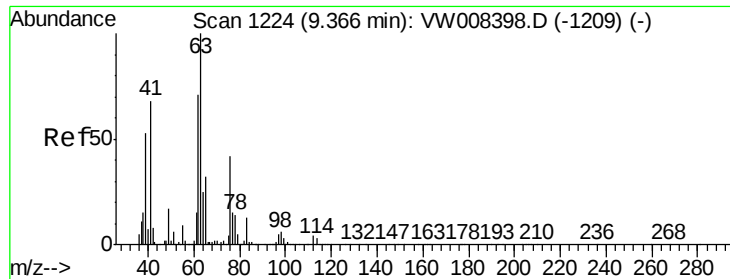
Tgt Ion: 130 Resp: 352768

Ion Ratio Lower Upper

130 100

95 94.7 0.0 191.6

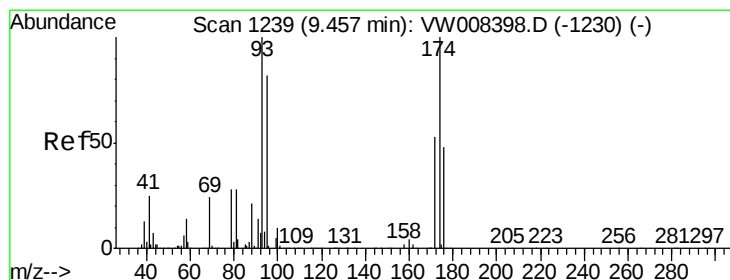
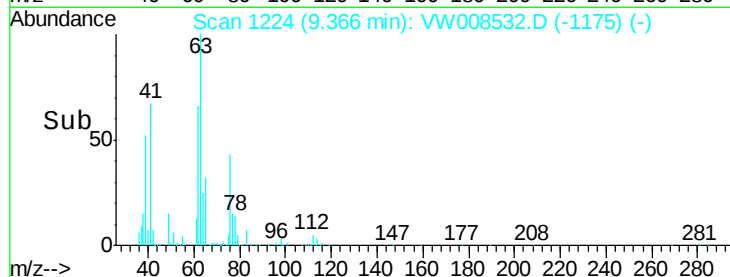
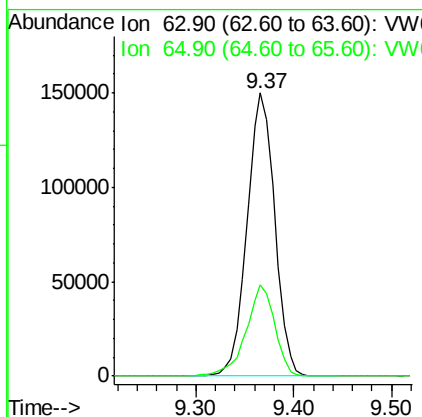
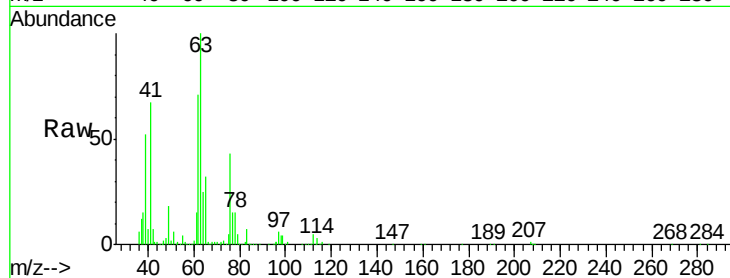




#45
 1,2-Dichloropropane
 Concen: 59.233 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008532.D
 Acq: 06 Feb 2019 17:14

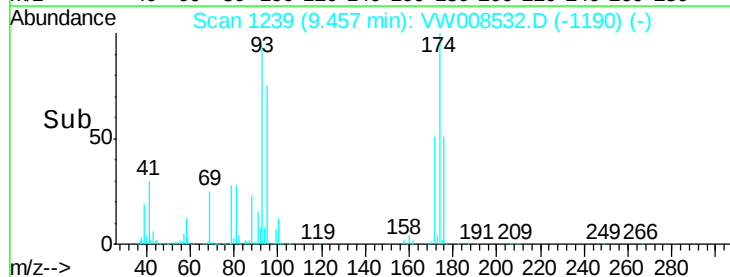
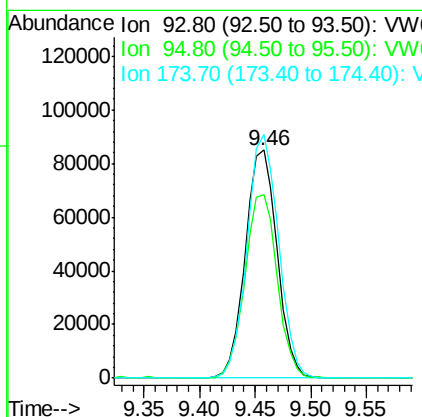
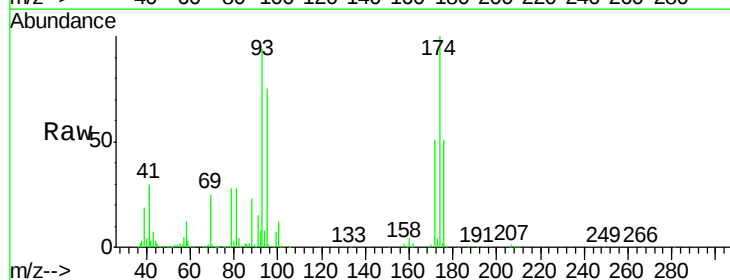
Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MS

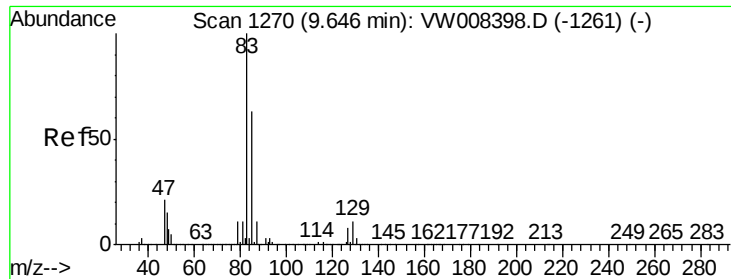
Tot Ion: 63 Resp: 294093
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.2 37.8



#46
 Dibromomethane
 Concen: 66.331 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008532.D
 Acq: 06 Feb 2019 17:14

Tgt Ion: 93 Resp: 169389
 Ion Ratio Lower Upper
 93 100
 95 81.4 65.9 98.9
 174 106.2 81.0 121.6

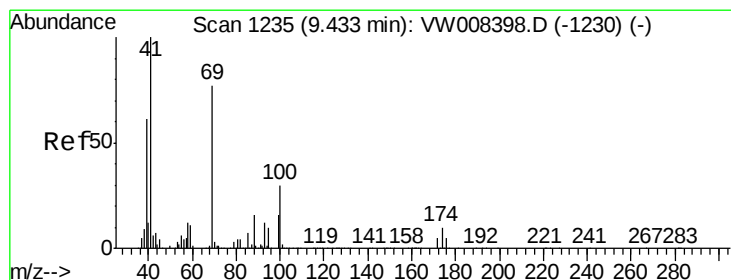
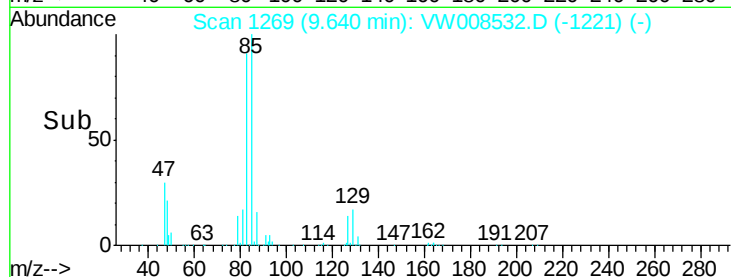
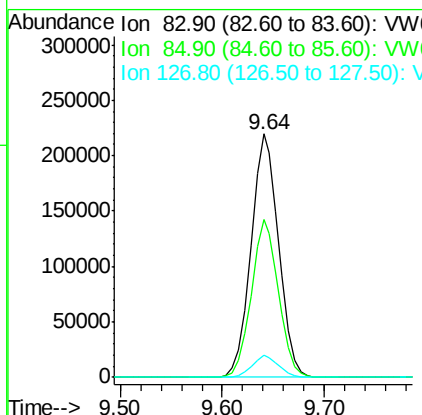
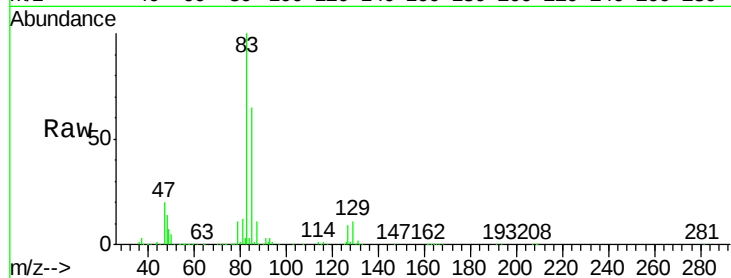




#47
Bromodichloromethane
Concen: 61.110 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

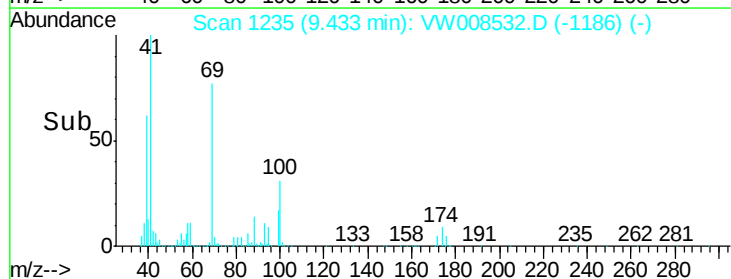
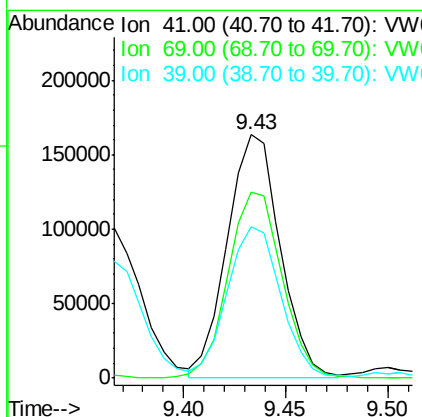
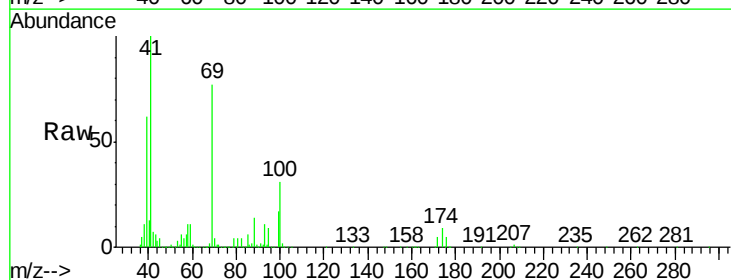
Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

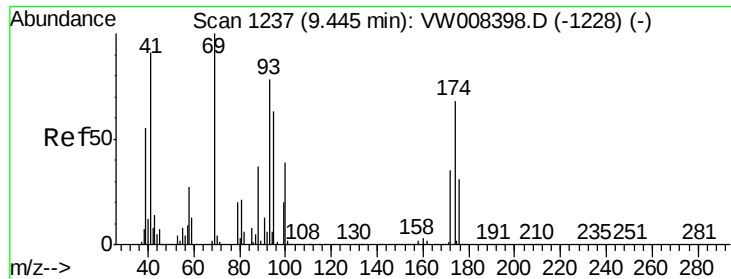
Tot Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.8	76.2
127	9.0	6.8	10.2



#48
Methyl methacrylate
Concen: 91.272 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.2	64.8	97.2
39	62.8	49.1	73.7

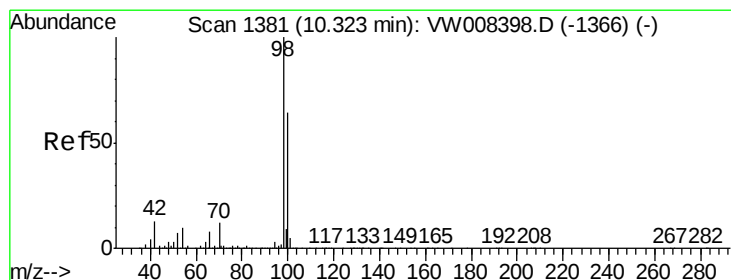
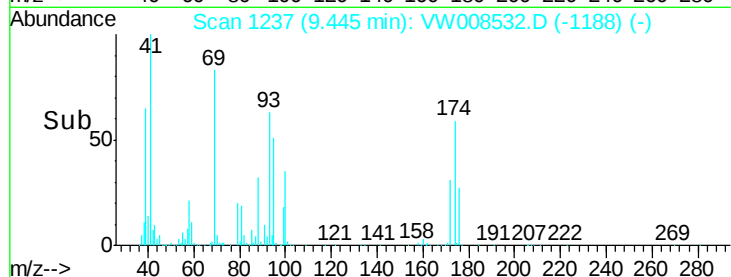
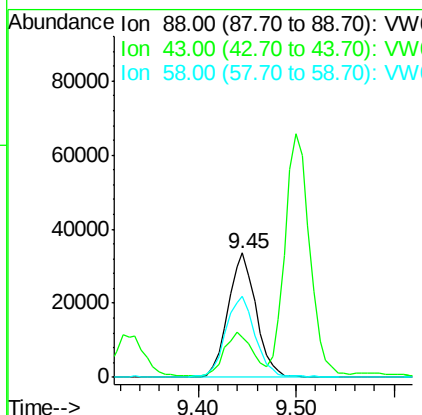
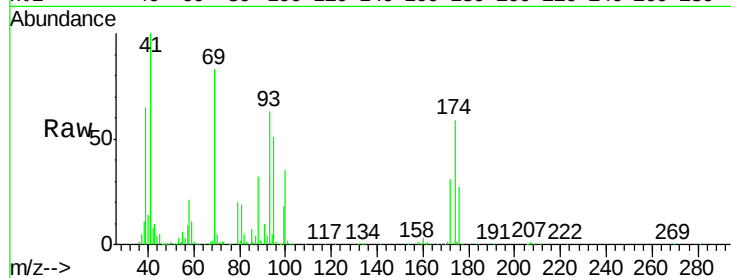




#49
 1,4-Dioxane
 Concen: 1546.864 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VW008532.D
 Acq: 06 Feb 2019 17:14

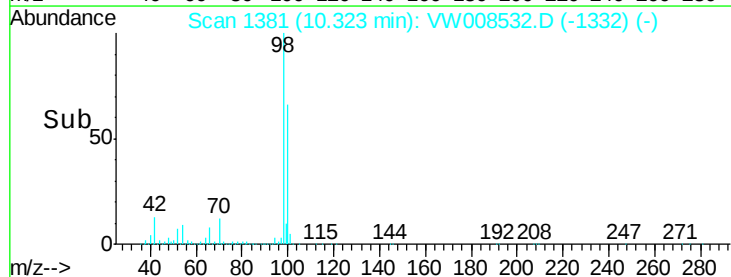
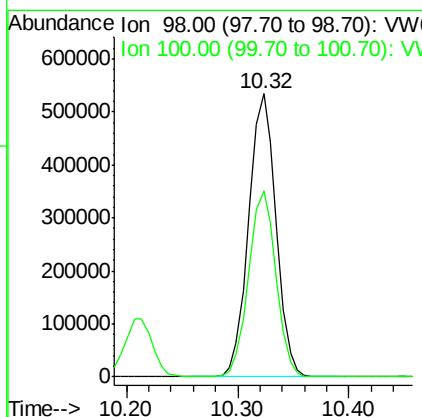
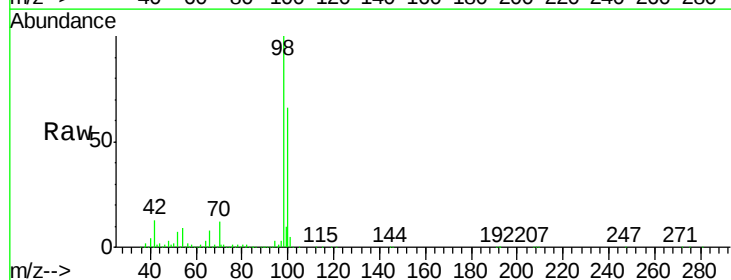
Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MS

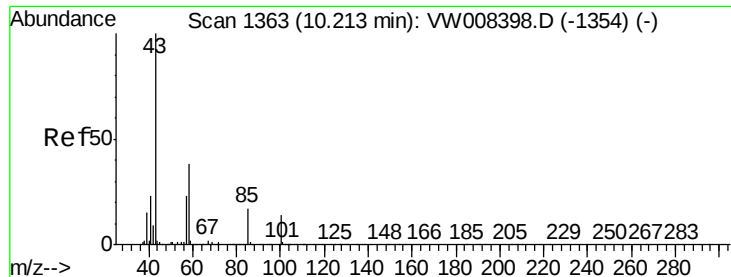
Tot Ion: 88 Resp: 66771
 Ion Ratio Lower Upper
 88 100
 43 35.6 29.0 43.4
 58 69.5 56.4 84.6



#50
 Toluene-d8
 Concen: 51.325 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW008532.D
 Acq: 06 Feb 2019 17:14

Tgt Ion: 98 Resp: 914264
 Ion Ratio Lower Upper
 98 100
 100 65.7 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 371.438 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

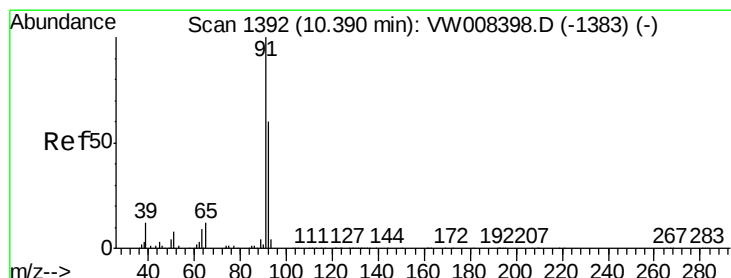
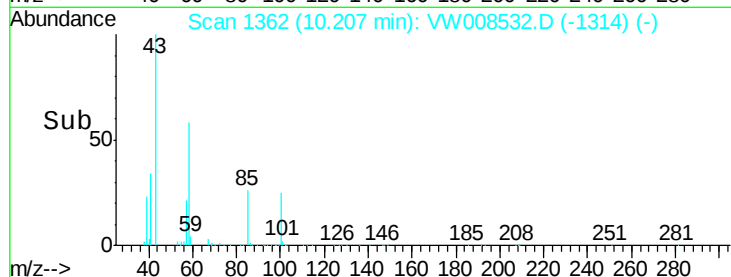
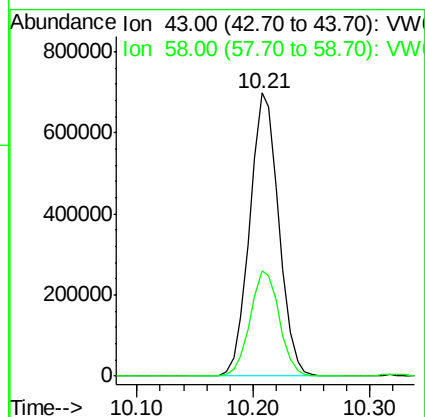
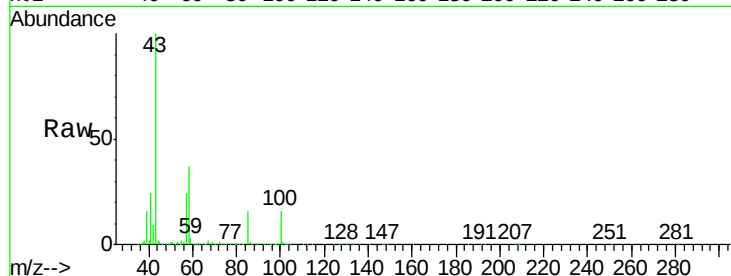
98-SB-01-2-4MS

Tot Ion: 43 Resp: 1210377

Ion Ratio Lower Upper

43 100

58 37.5 29.7 44.5



#52

Toluene

Concen: 52.668 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008532.D

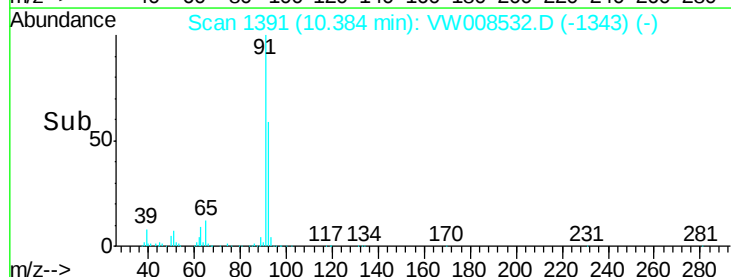
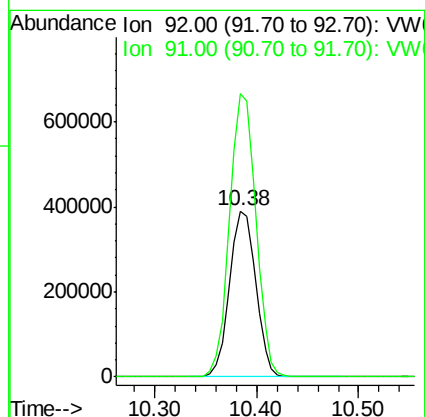
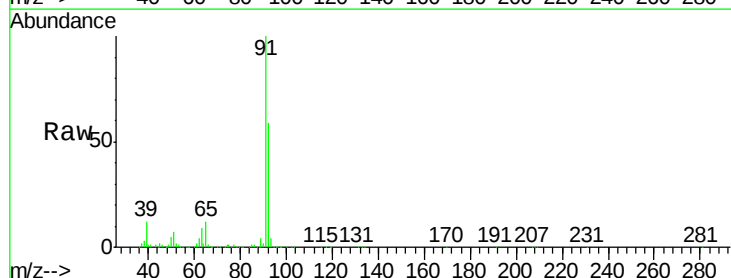
Acq: 06 Feb 2019 17:14

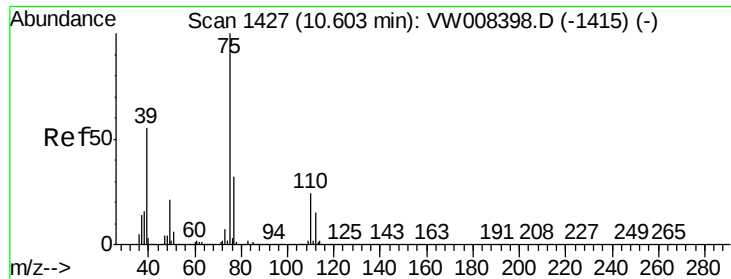
Tgt Ion: 92 Resp: 692307

Ion Ratio Lower Upper

92 100

91 171.1 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 53.612 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

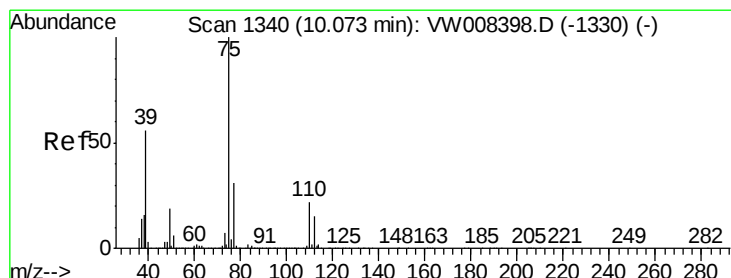
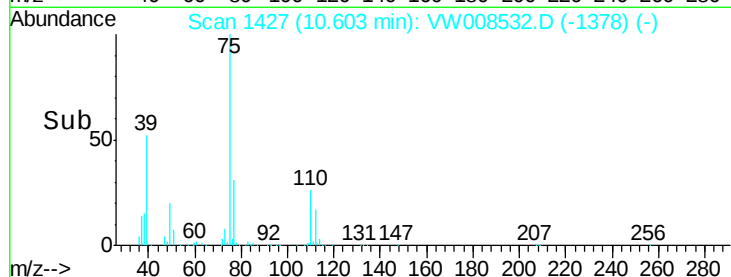
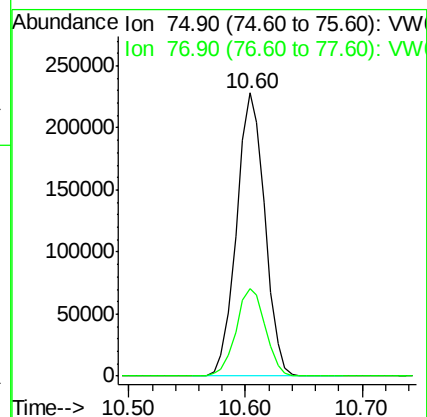
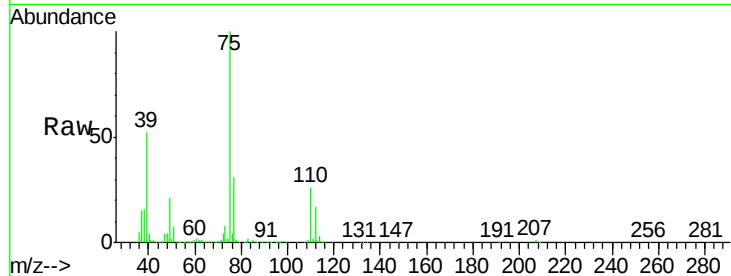
98-SB-01-2-4MS

Tot Ion: 75 Resp: 385331

Ion Ratio Lower Upper

75 100

77 31.0 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 53.789 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

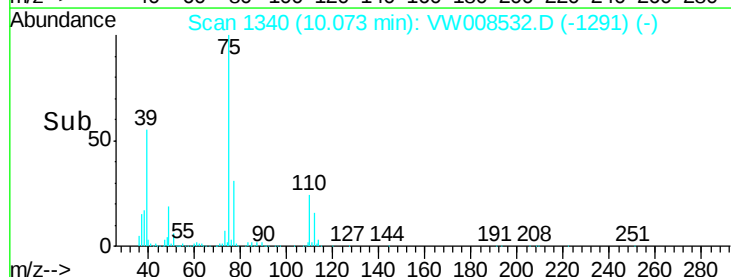
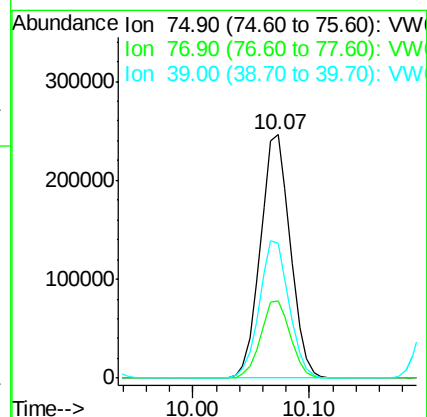
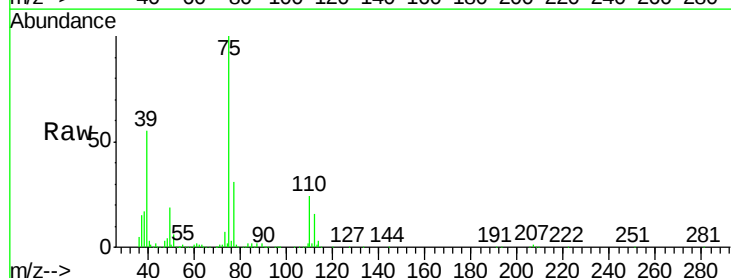
Tgt Ion: 75 Resp: 438731

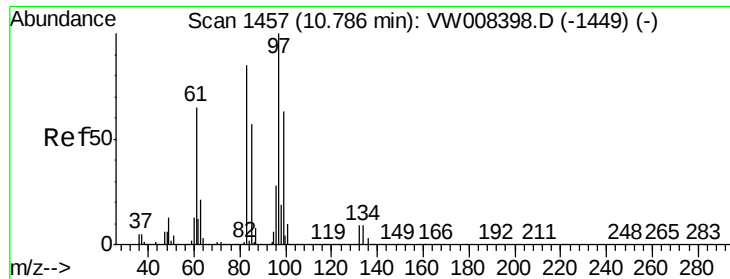
Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4

39 55.2 44.9 67.3

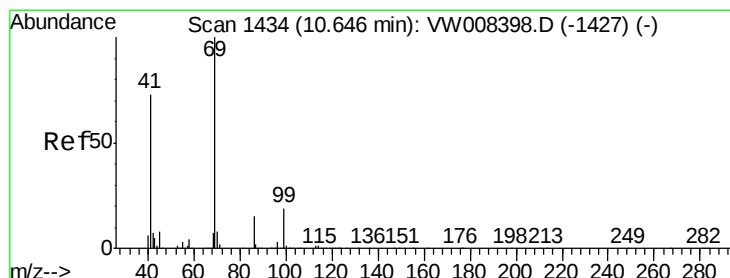
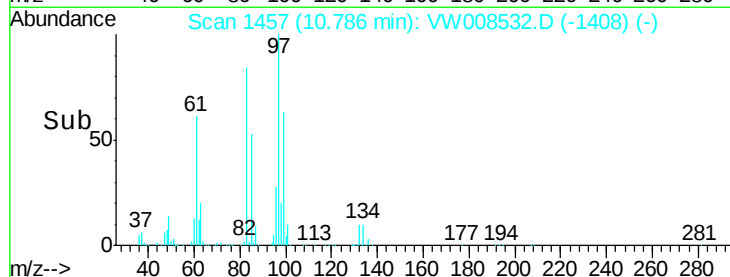
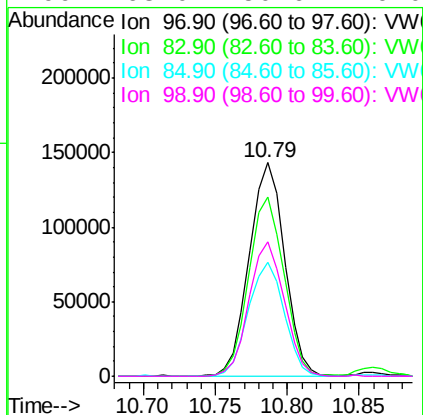
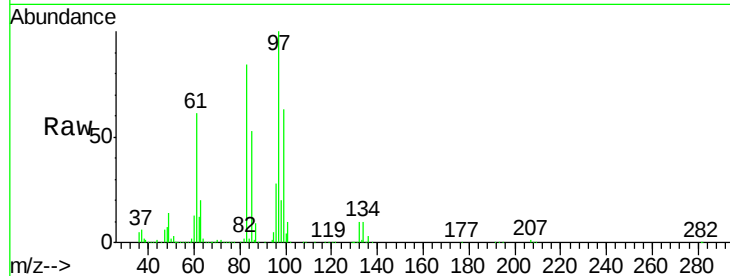




#55
 1,1,2-Trichloroethane
 Concen: 68.577 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008532.D
 Acq: 06 Feb 2019 17:14

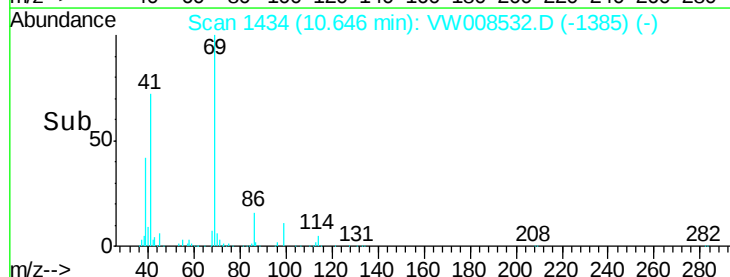
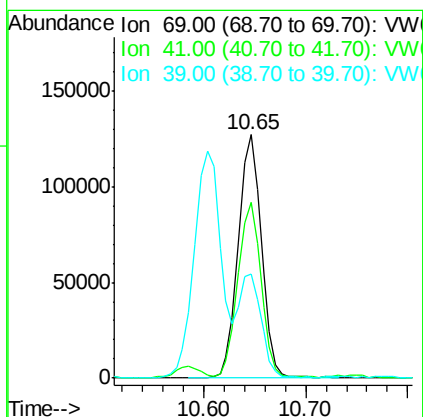
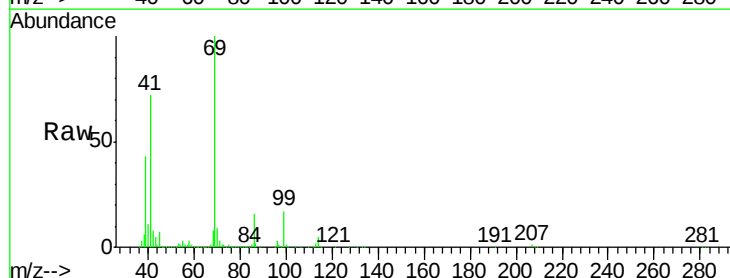
Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MS

Tot Ion:	97	Resp:	242908
Ion	Ratio	Lower	Upper
97	100		
83	84.1	68.4	102.6
85	53.3	45.3	67.9
99	63.0	50.6	76.0



#56
 Ethyl methacrylate
 Concen: 40.077 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008532.D
 Acq: 06 Feb 2019 17:14

Tgt Ion:	69	Resp:	198912
Ion	Ratio	Lower	Upper
69	100		
41	71.6	58.7	88.1
39	40.9	32.6	48.8

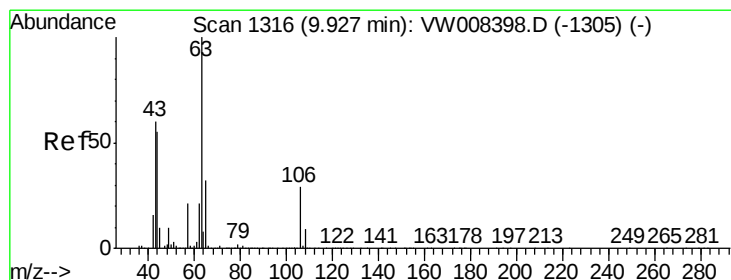
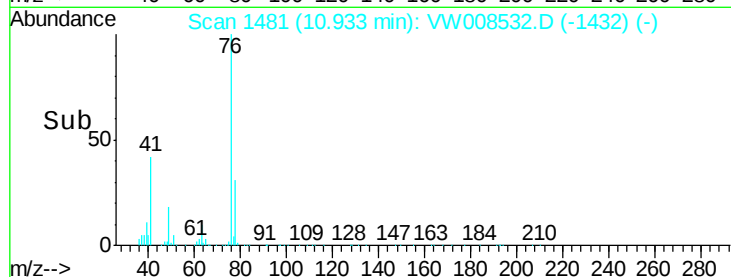
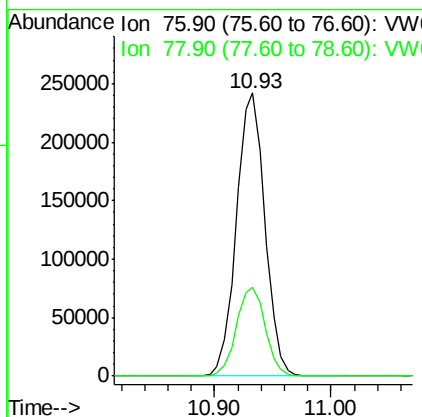
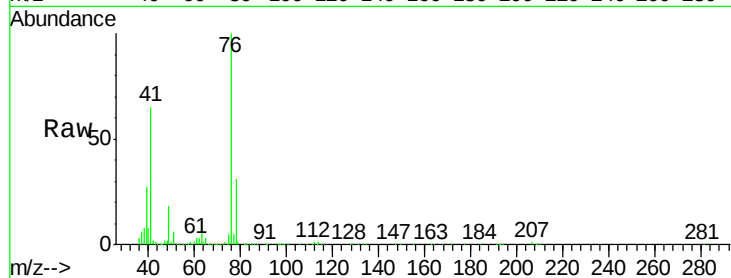




#57
 1,3-Dichloropropane
 Concen: 65.091 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008532.D
 Acq: 06 Feb 2019 17:14

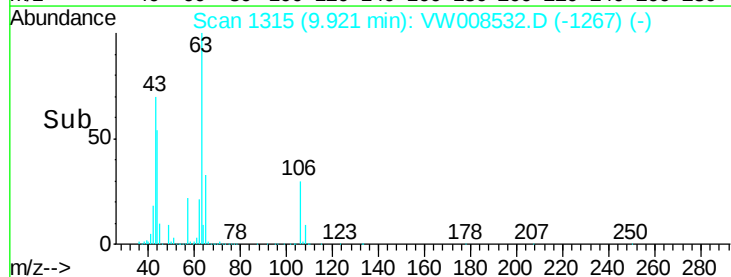
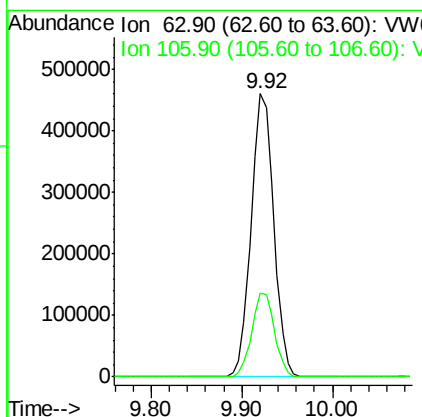
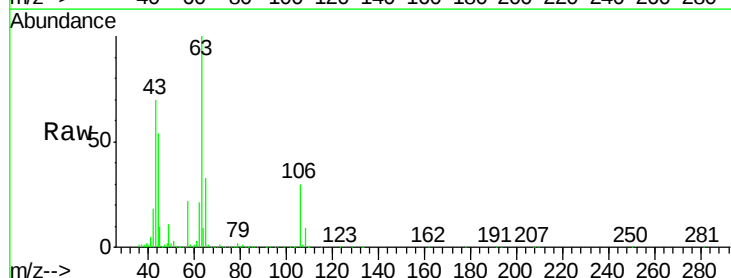
Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MS

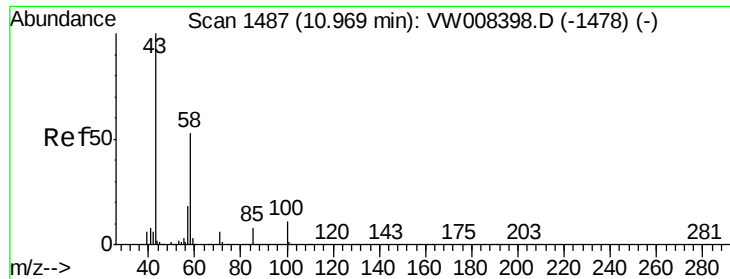
Tot Ion: 76 Resp: 413051
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 329.740 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008532.D
 Acq: 06 Feb 2019 17:14

Tgt Ion: 63 Resp: 795173
 Ion Ratio Lower Upper
 63 100
 106 29.7 22.4 33.6

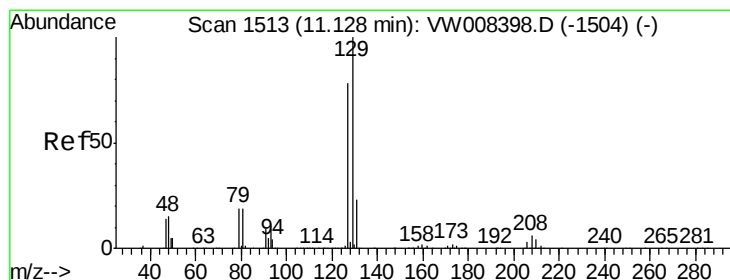
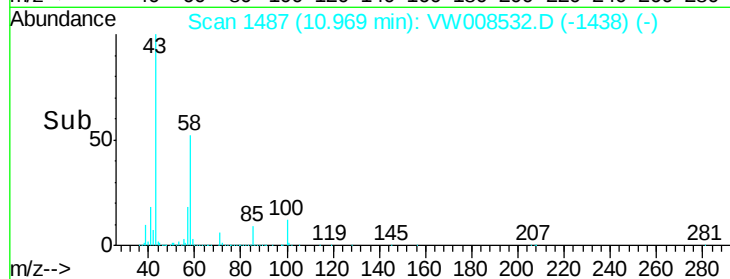
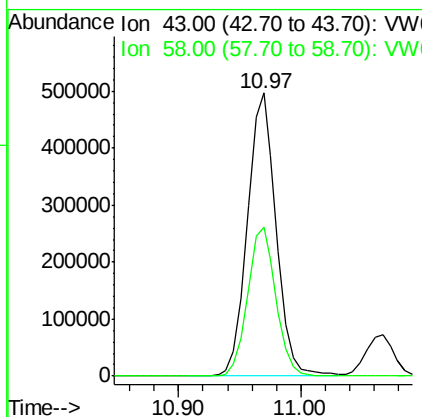
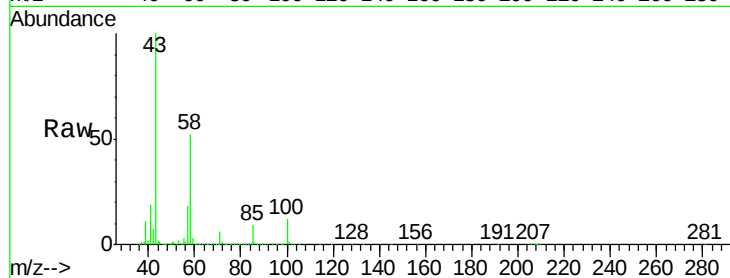




#59
2-Hexanone
Concen: 351.353 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

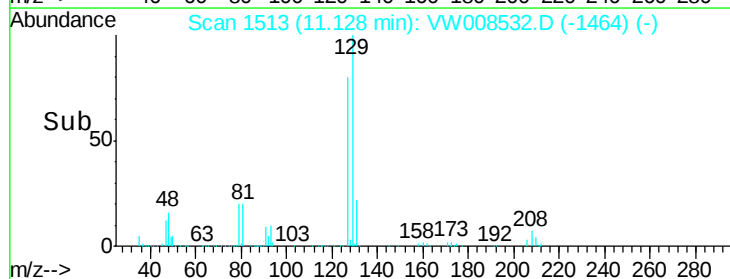
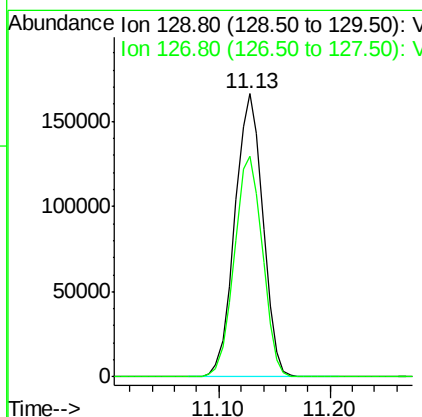
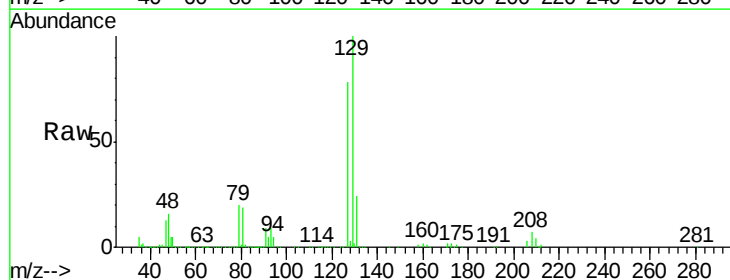
Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

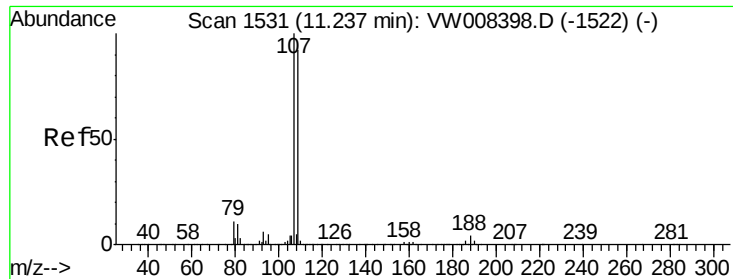
Tot Ion: 43 Resp: 808272
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.7



#60
Dibromochloromethane
Concen: 63.588 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

Tgt Ion: 129 Resp: 289448
Ion Ratio Lower Upper
129 100
127 78.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 64.648 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

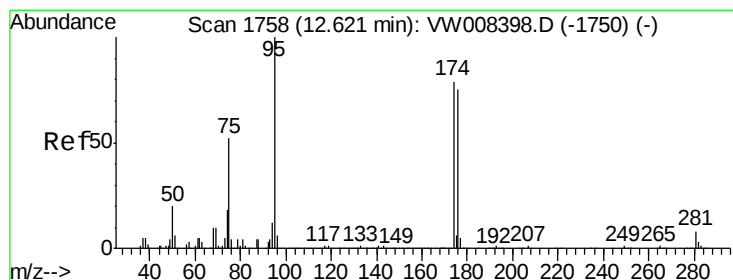
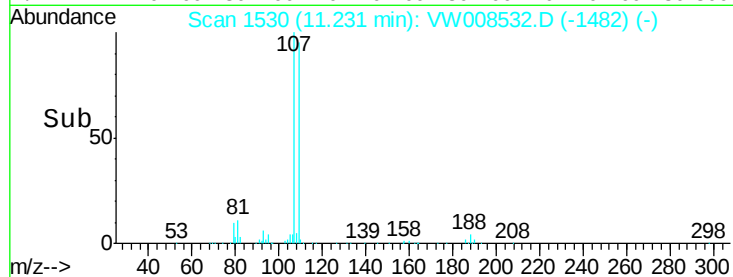
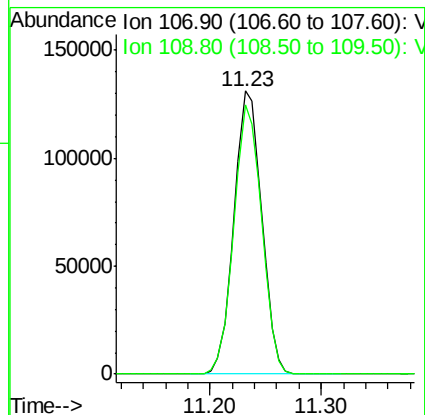
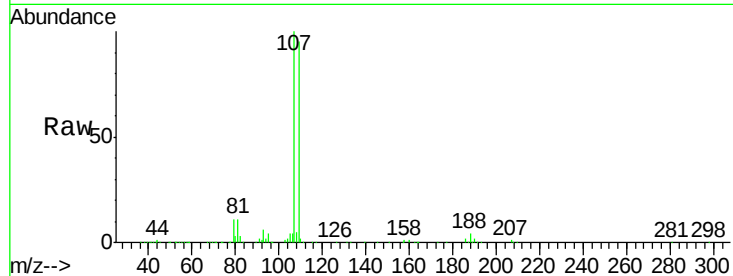
98-SB-01-2-4MS

Tot Ion:107 Resp: 227056

Ion Ratio Lower Upper

107 100

109 95.2 75.0 112.4



#62

4-Bromofluorobenzene

Concen: 41.503 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

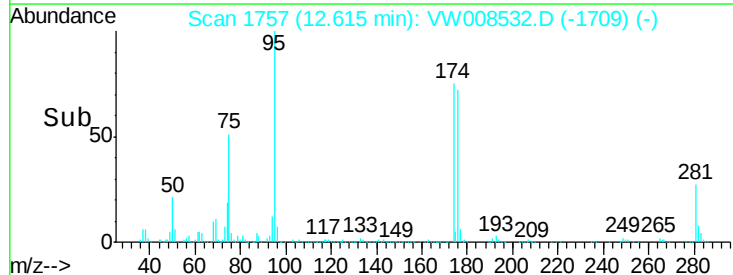
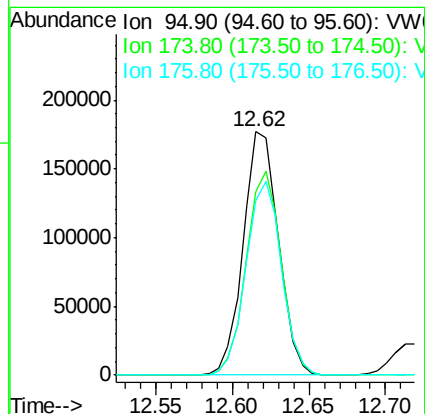
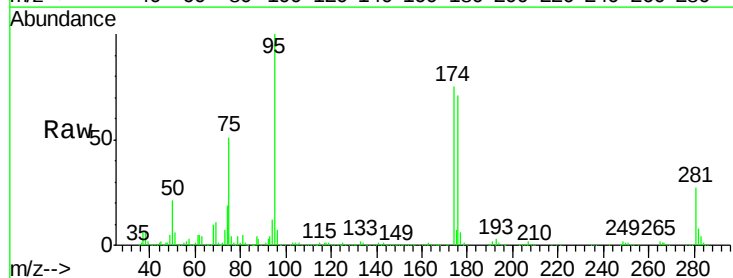
Tgt Ion: 95 Resp: 284174

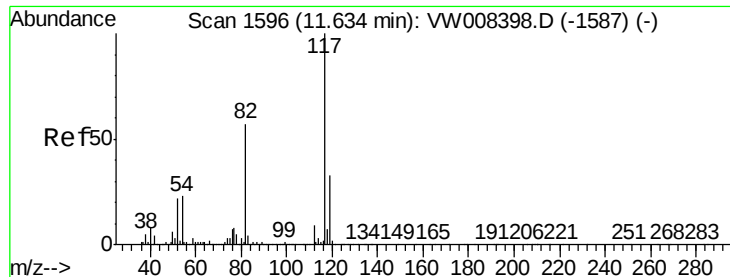
Ion Ratio Lower Upper

95 100

174 83.1 0.0 157.6

176 80.1 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

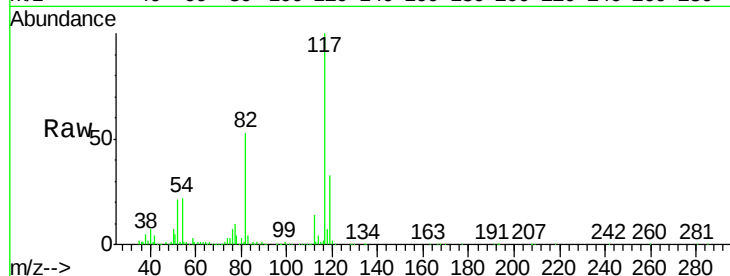
Tot Ion:117 Resp: 626938

Ion Ratio Lower Upper

117 100

82 52.8 45.4 68.0

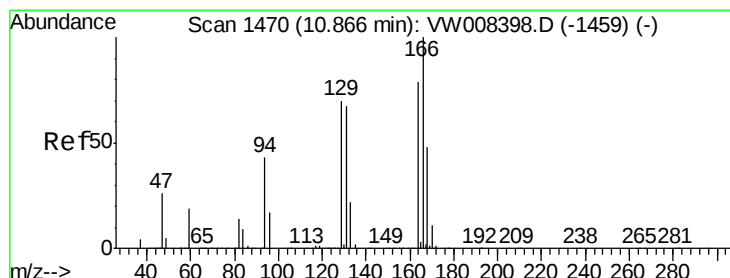
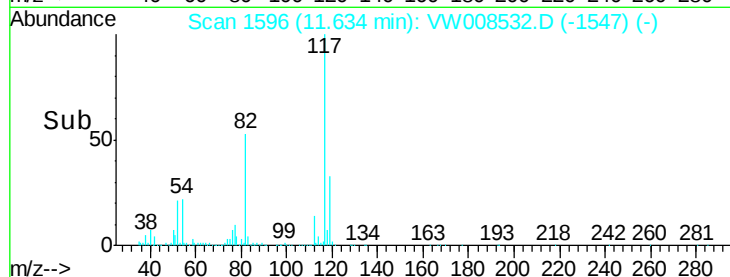
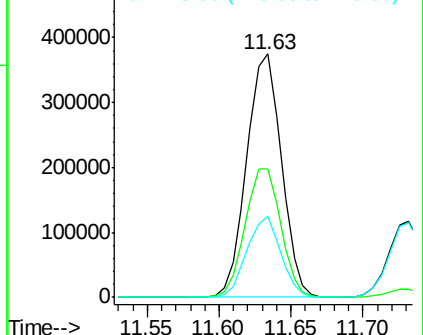
119 33.1 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 101.841 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Tgt Ion:164 Resp: 432293

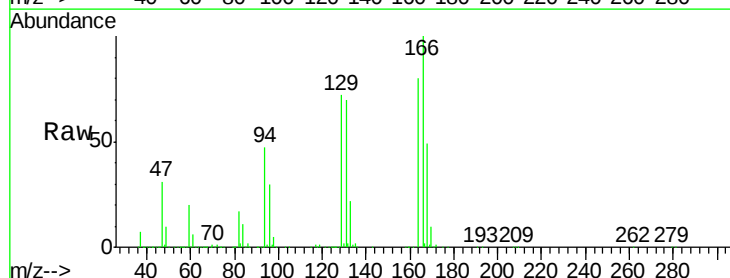
Ion Ratio Lower Upper

164 100

166 124.3 101.4 152.0

129 89.5 71.0 106.6

131 86.9 68.3 102.5

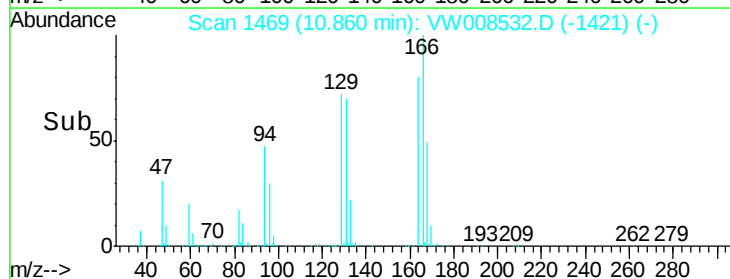
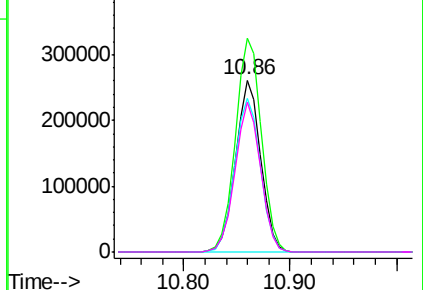


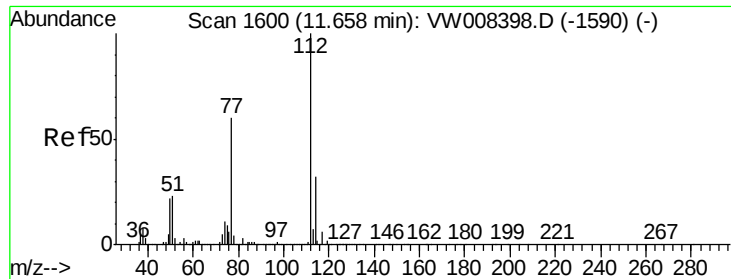
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

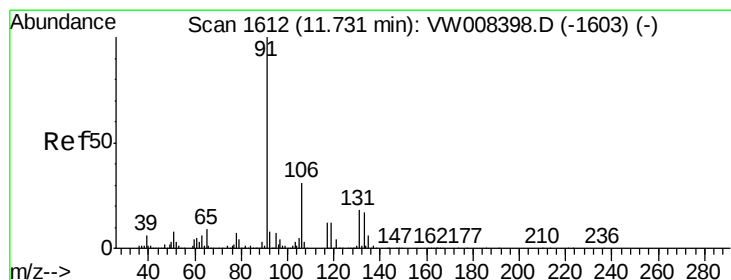
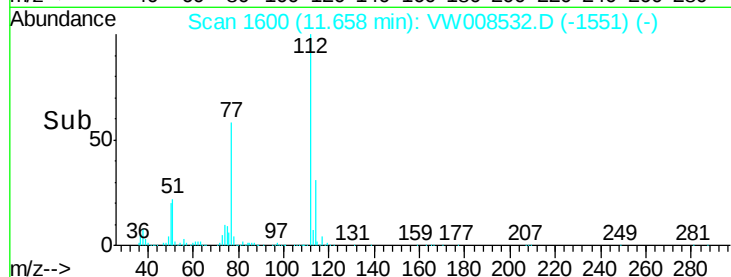
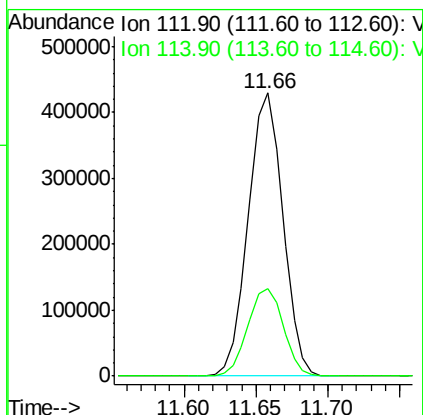
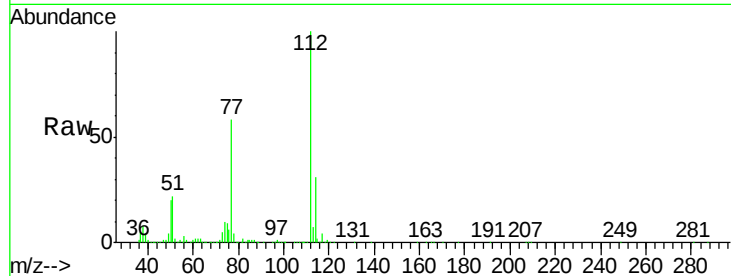




#65
Chlorobenzene
Concen: 56.019 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

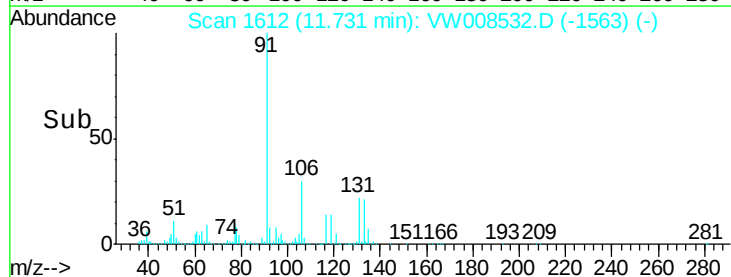
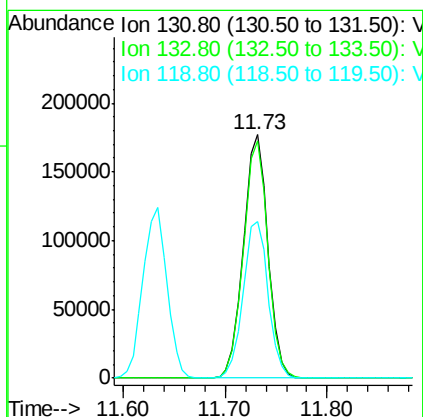
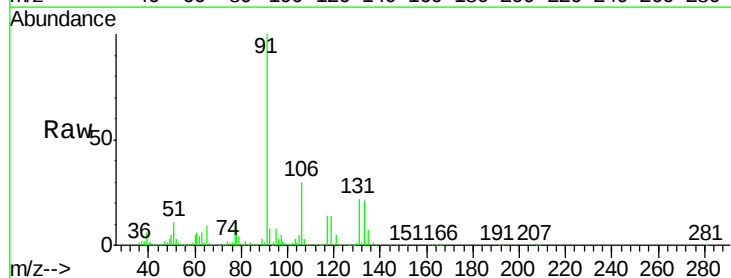
Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

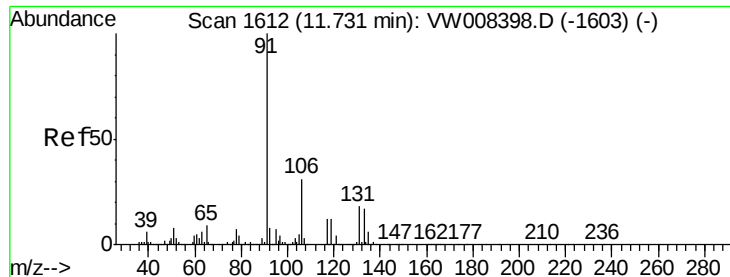
Tot Ion:112 Resp: 716929
Ion Ratio Lower Upper
112 100
114 30.9 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 64.409 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

Tgt Ion:131 Resp: 294922
Ion Ratio Lower Upper
131 100
133 97.3 47.0 141.2
119 65.7 32.1 96.3





#67

Ethyl Benzene

Concen: 54.207 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

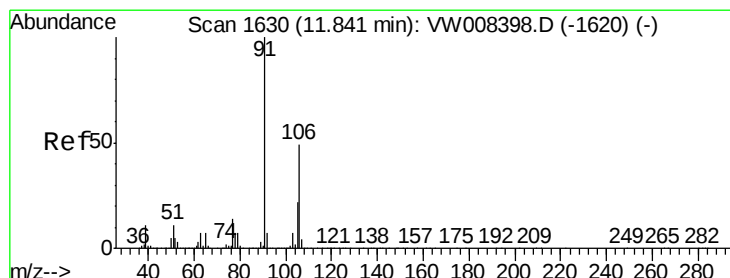
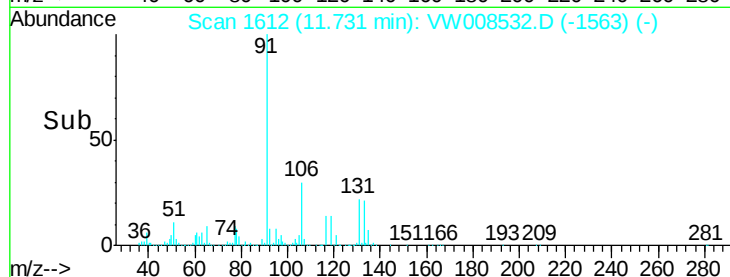
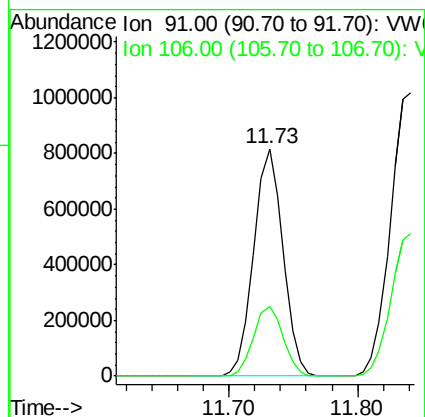
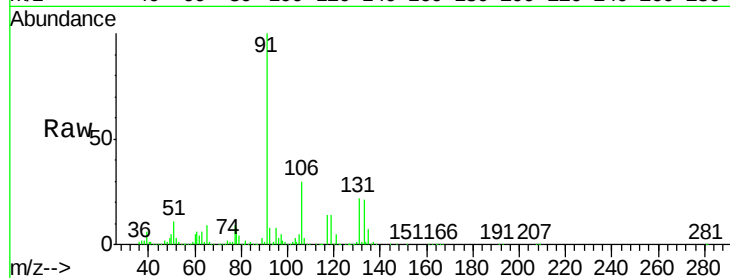
98-SB-01-2-4MS

Tot Ion: 91 Resp: 1275210

Ion Ratio Lower Upper

91 100

106 30.4 24.7 37.1



#68

m/p-Xylenes

Concen: 104.857 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW008532.D

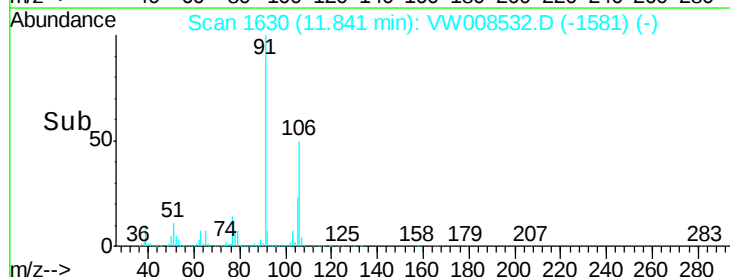
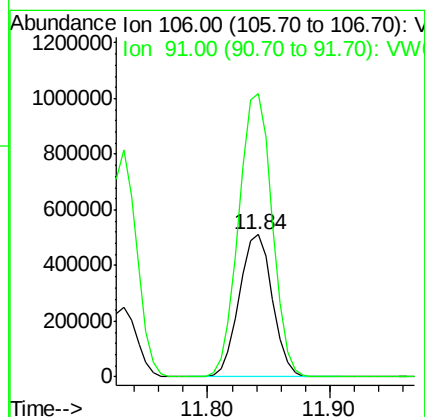
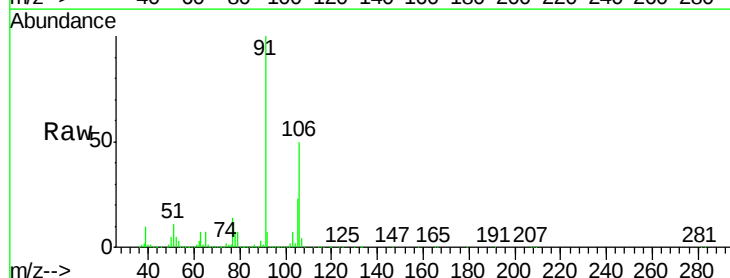
Acq: 06 Feb 2019 17:14

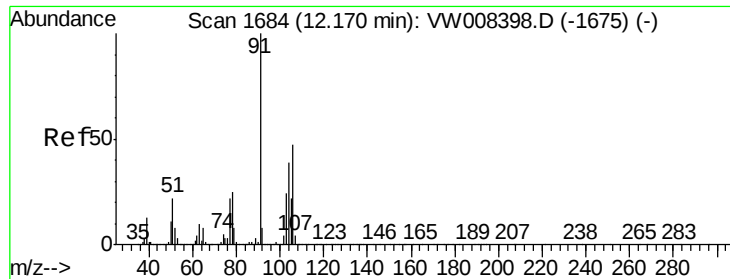
Tgt Ion: 106 Resp: 957084

Ion Ratio Lower Upper

106 100

91 201.5 162.9 244.3

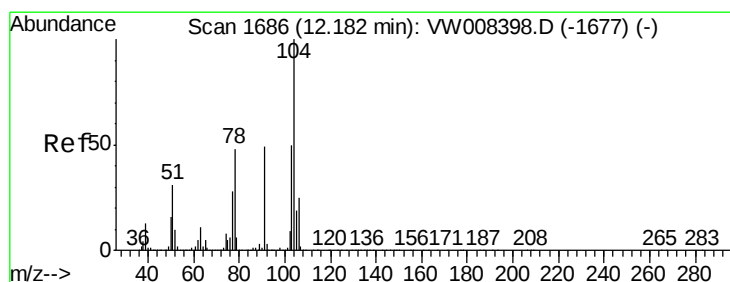
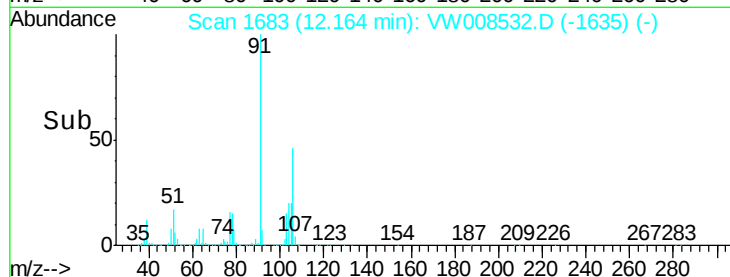
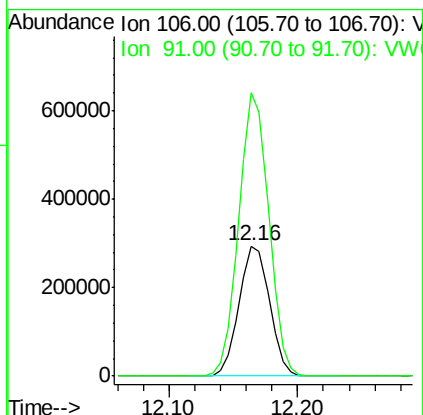
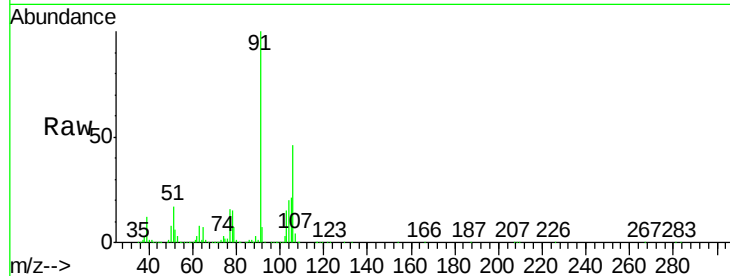




#69
o-Xylene
Concen: 55.503 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

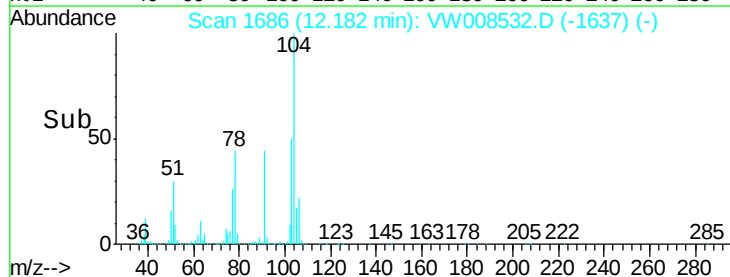
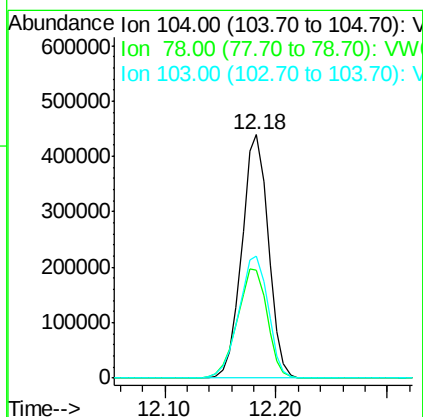
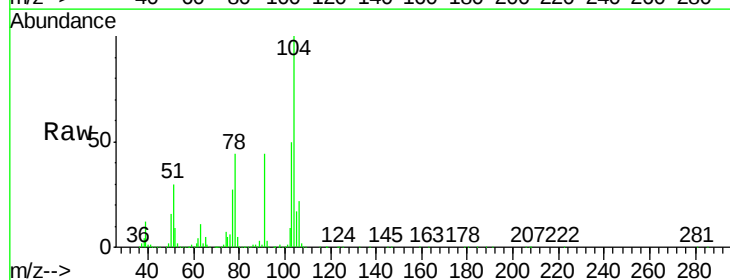
Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

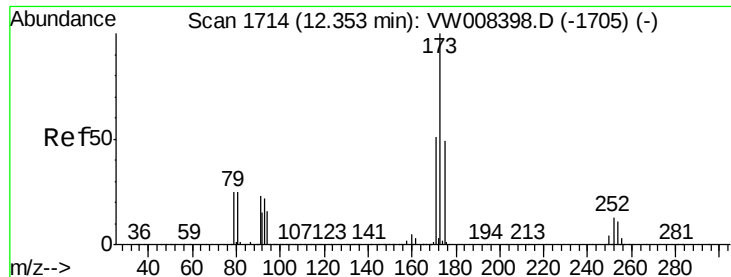
Tot Ion:106 Resp: 481354
Ion Ratio Lower Upper
106 100
91 214.7 107.5 322.4



#70
Styrene
Concen: 50.576 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

Tgt Ion:104 Resp: 724514
Ion Ratio Lower Upper
104 100
78 50.7 42.4 63.6
103 55.6 43.4 65.0

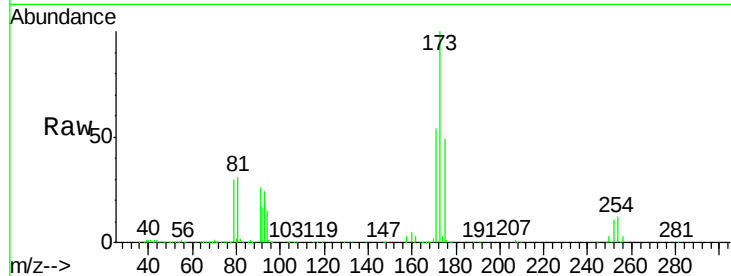




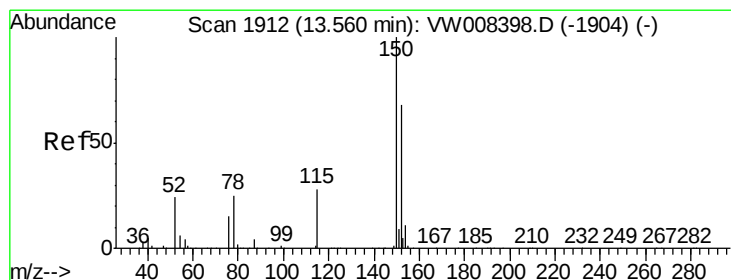
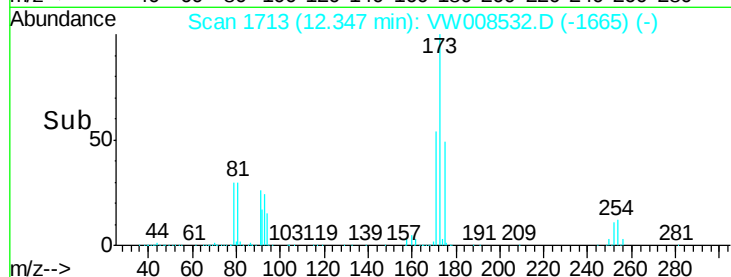
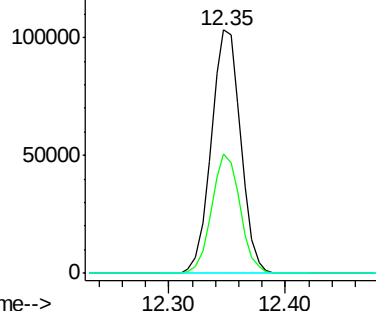
#71
Bromoform
Concen: 70.430 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

Tot Ion:173 Resp: 181446
Ion Ratio Lower Upper
173 100
175 47.5 24.4 73.4
254 0.2 0.2 0.2

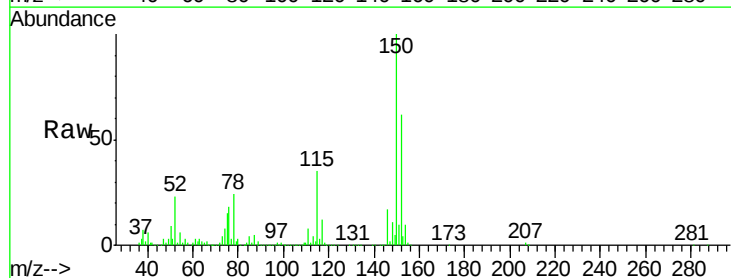


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

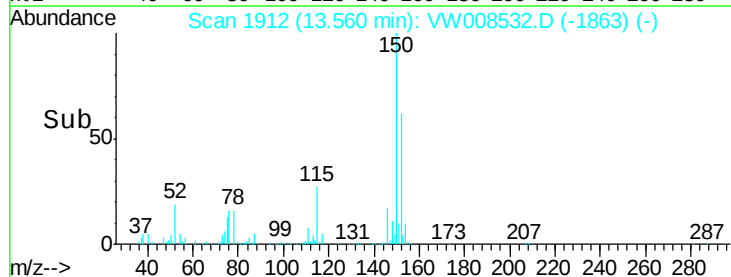
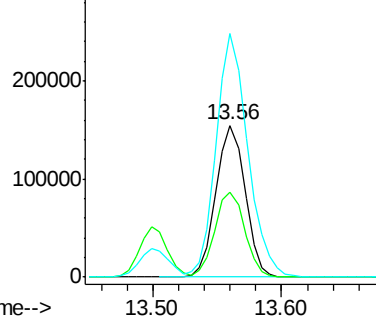


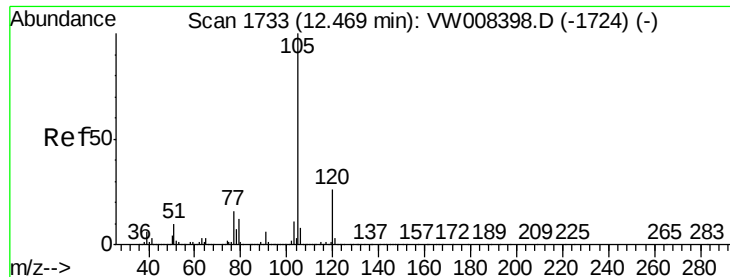
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

Tgt Ion:152 Resp: 241292
Ion Ratio Lower Upper
152 100
115 57.6 29.9 89.7
150 173.9 0.0 351.4



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





#73

Isopropylbenzene

Concen: 69.442 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

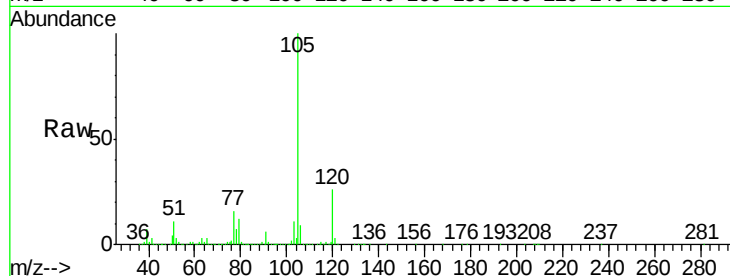
98-SB-01-2-4MS

Tot Ion: 105 Resp: 1249173

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

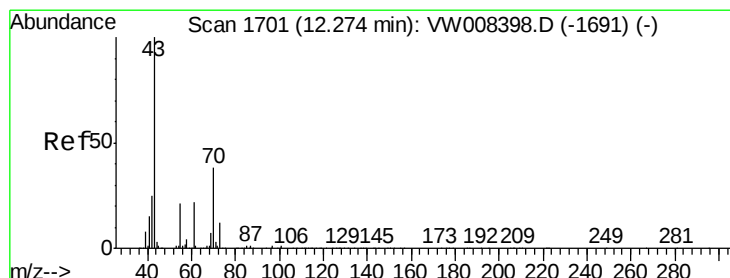
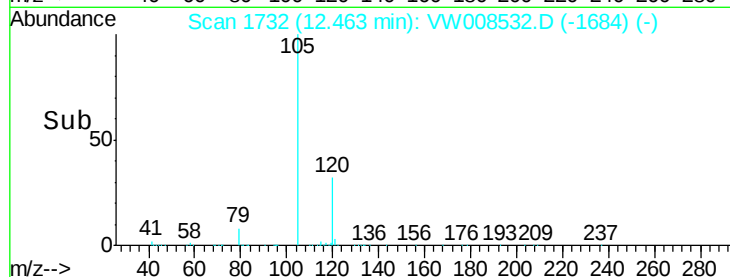
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 21.554 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Tgt Ion: 43 Resp: 99888

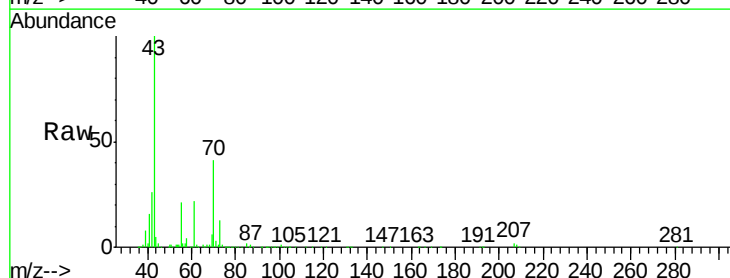
Ion Ratio Lower Upper

43 100

70 40.8 31.0 46.6

55 22.2 17.4 26.2

61 23.7 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

100000

80000

60000

40000

20000

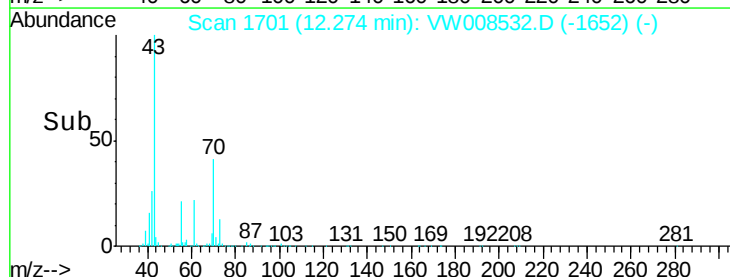
0

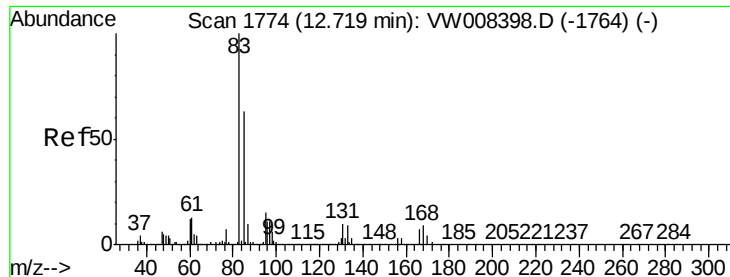
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 79.032 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

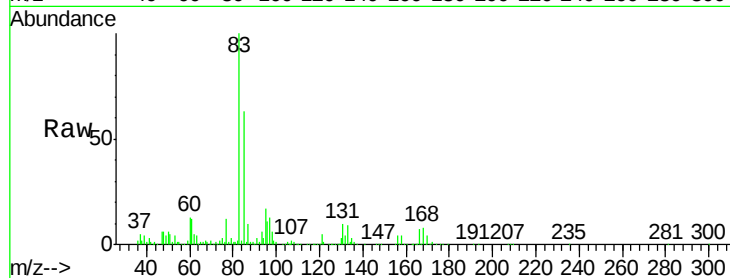
Tot Ion: 83 Resp: 225082

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.4

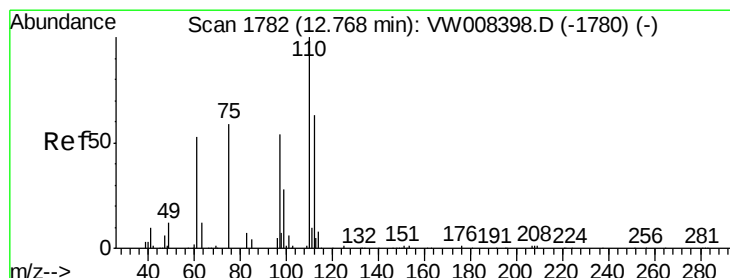
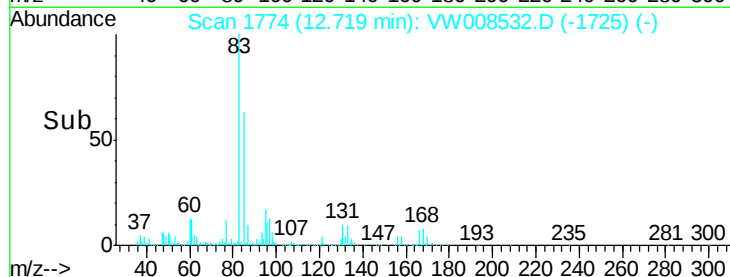
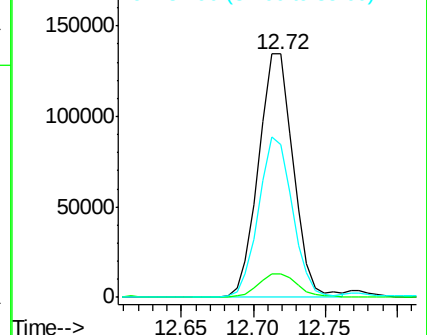
85 64.1 31.9 95.5



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: 96.617 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008532.D

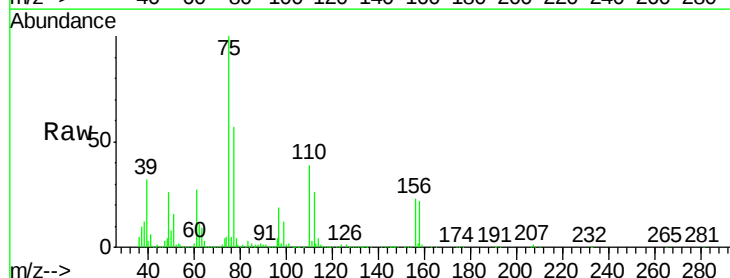
Acq: 06 Feb 2019 17:14

Tgt Ion: 75 Resp: 202689

Ion Ratio Lower Upper

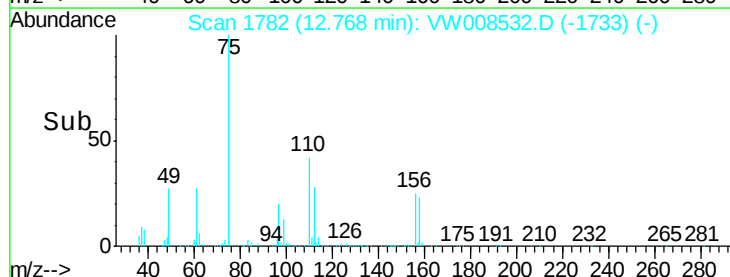
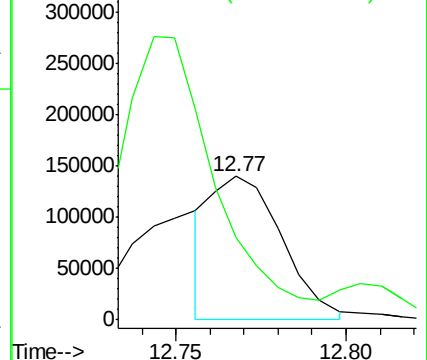
75 100

77 0.0 180.7 542.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 71.694 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

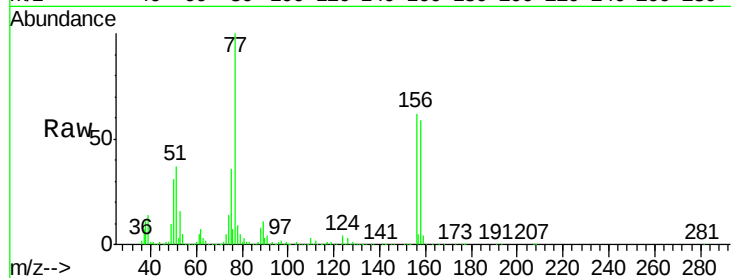
Tot Ion:156 Resp: 281655

Ion Ratio Lower Upper

156 100

77 194.3 96.9 290.7

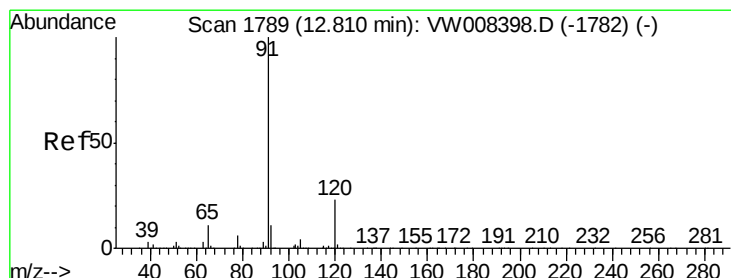
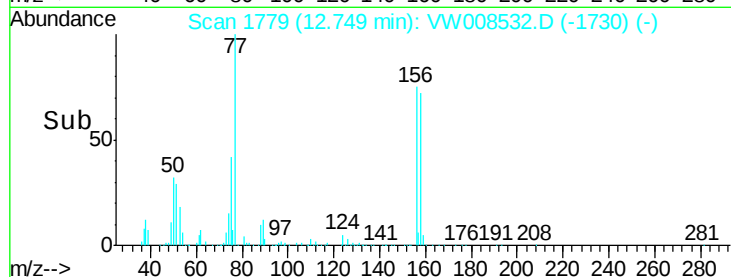
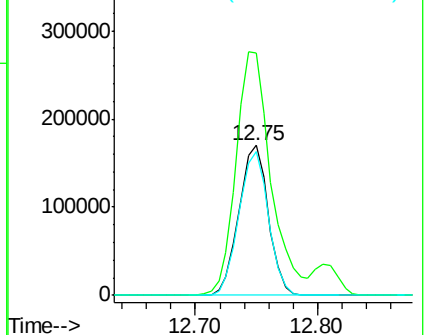
158 96.5 48.8 146.4



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: 61.283 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008532.D

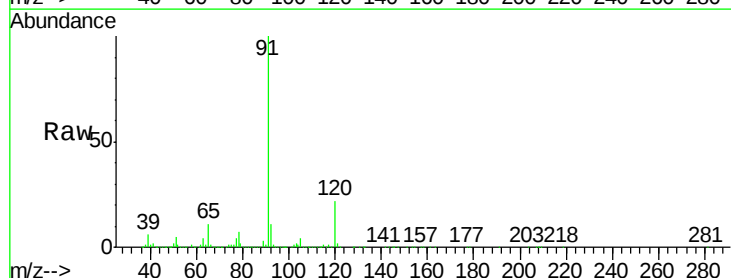
Acq: 06 Feb 2019 17:14

Tgt Ion: 91 Resp: 1324062

Ion Ratio Lower Upper

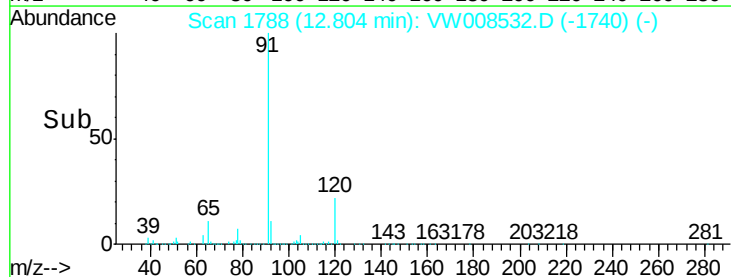
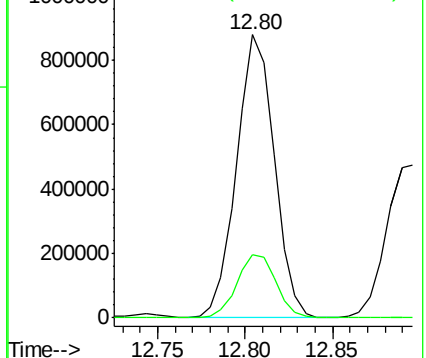
91 100

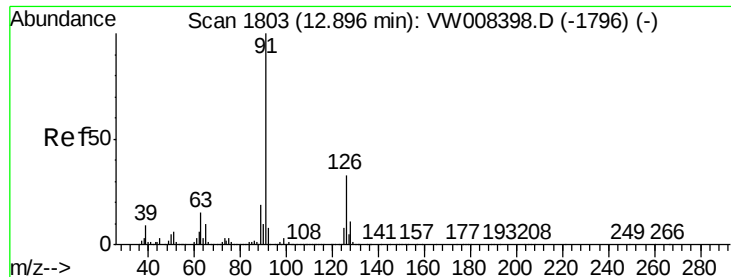
120 23.1 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 64.882 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

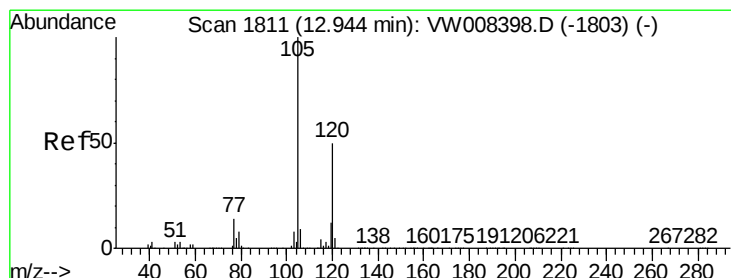
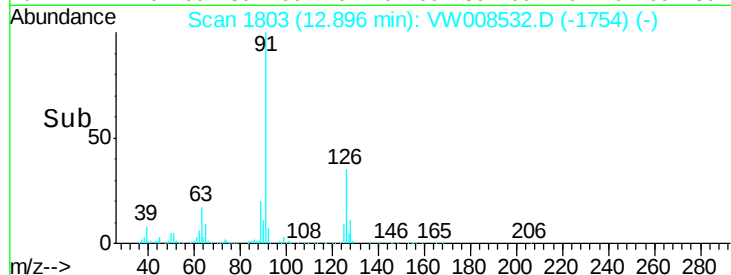
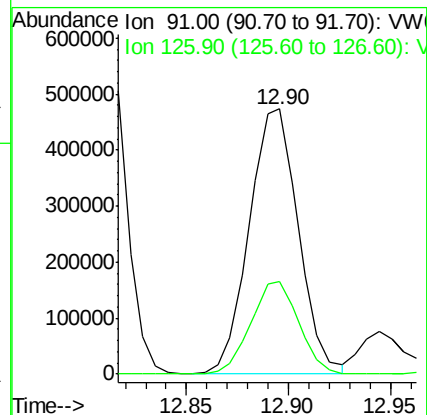
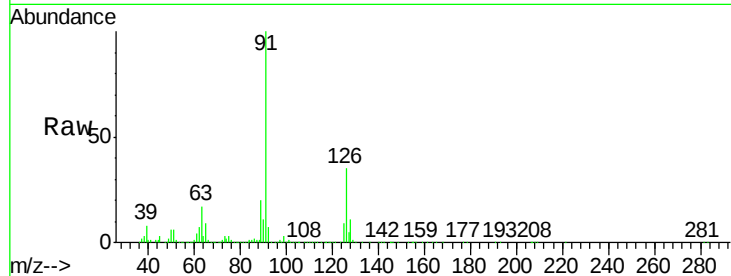
98-SB-01-2-4MS

Tot Ion: 91 Resp: 791036

Ion Ratio Lower Upper

91 100

126 34.3 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 64.839 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008532.D

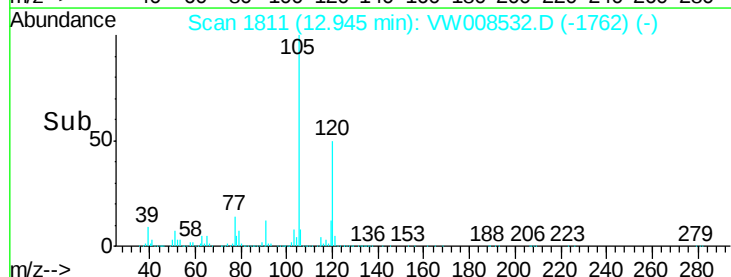
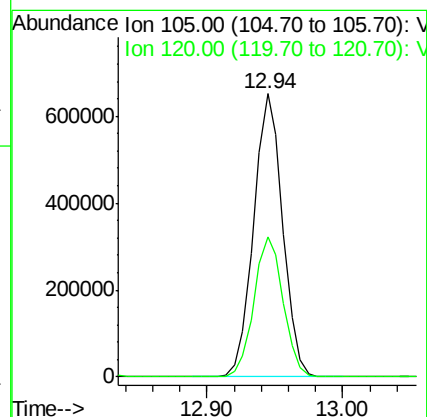
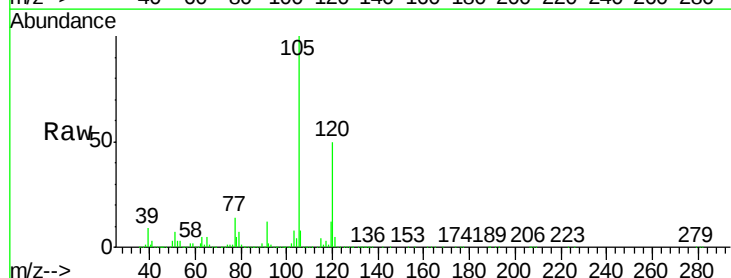
Acq: 06 Feb 2019 17:14

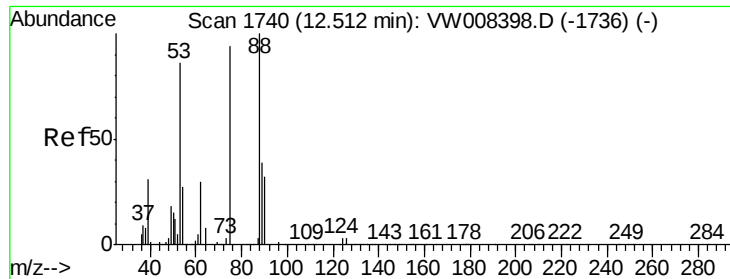
Tgt Ion:105 Resp: 974899

Ion Ratio Lower Upper

105 100

120 49.8 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 78.309 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

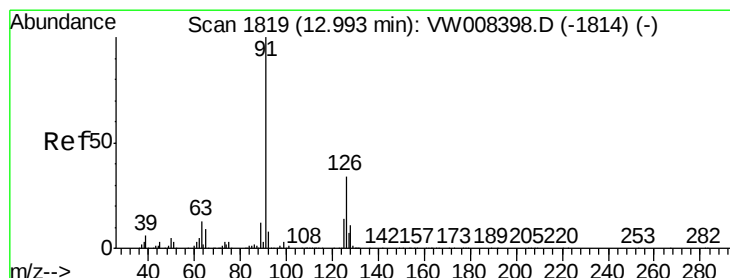
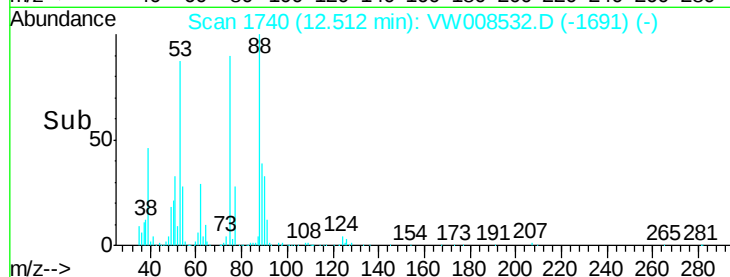
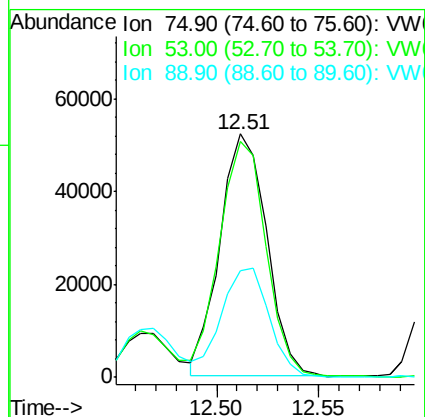
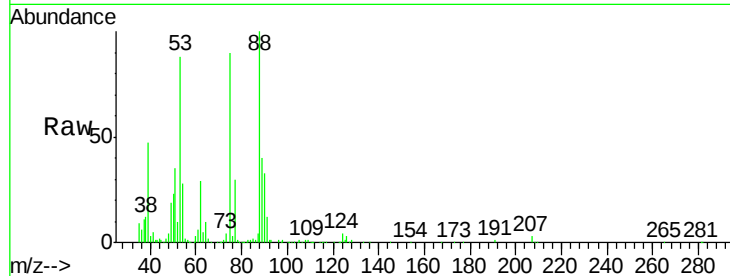
Tot Ion: 75 Resp: 83177

Ion Ratio Lower Upper

75 100

53 97.3 76.0 114.0

89 46.5 35.4 53.0



#82

4-Chlorotoluene

Concen: 58.122 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW008532.D

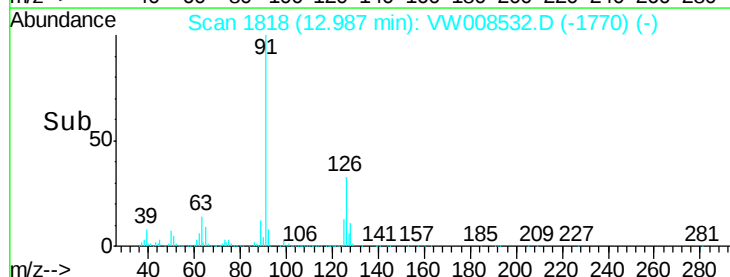
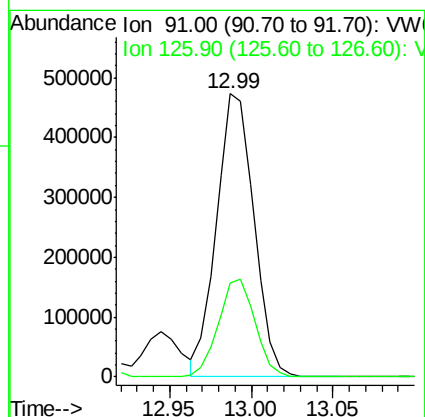
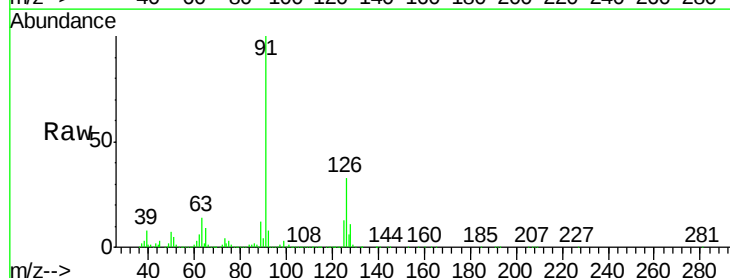
Acq: 06 Feb 2019 17:14

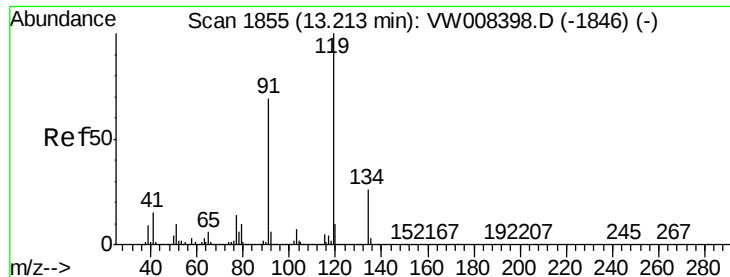
Tgt Ion: 91 Resp: 754460

Ion Ratio Lower Upper

91 100

126 34.1 16.4 49.2





#83

tert-Butylbenzene

Concen: 64.025 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

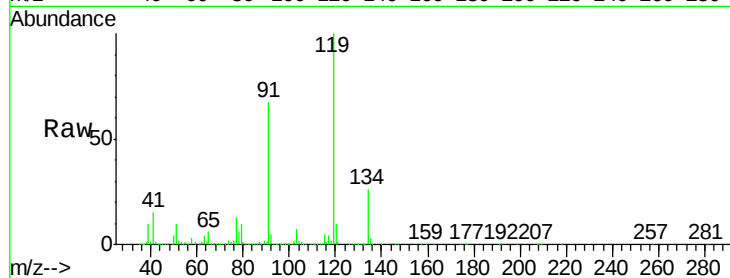
Tot Ion:119 Resp: 856648

Ion Ratio Lower Upper

119 100

91 66.4 33.8 101.4

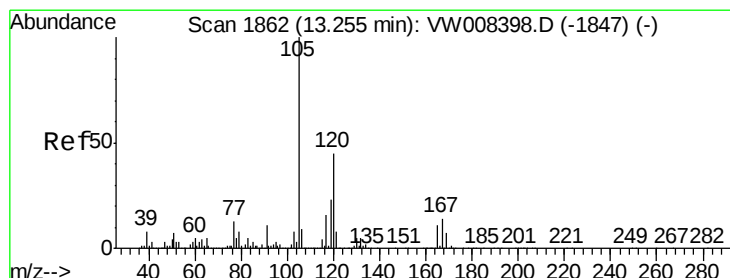
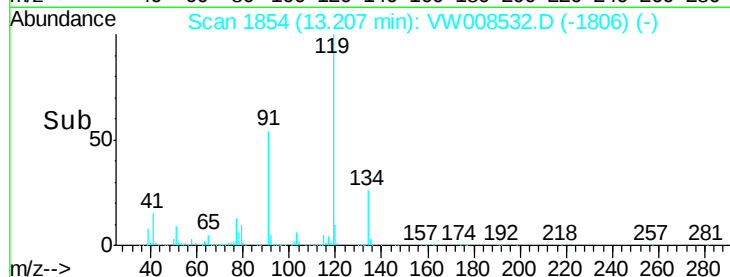
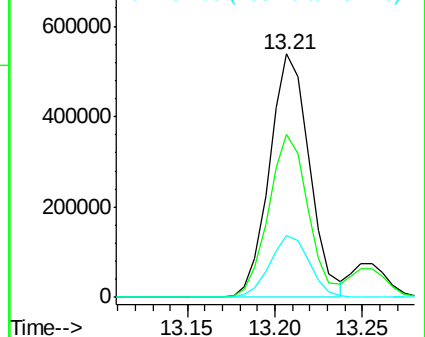
134 25.3 13.5 40.4



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: 64.214 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008532.D

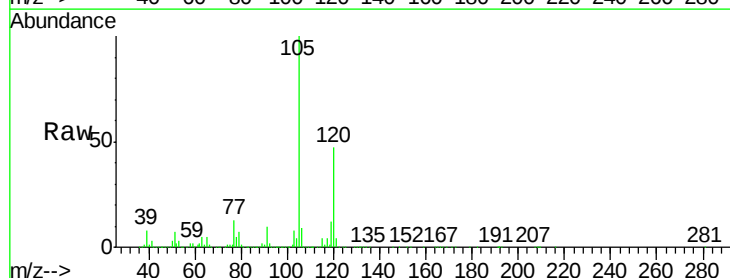
Acq: 06 Feb 2019 17:14

Tgt Ion:105 Resp: 981358

Ion Ratio Lower Upper

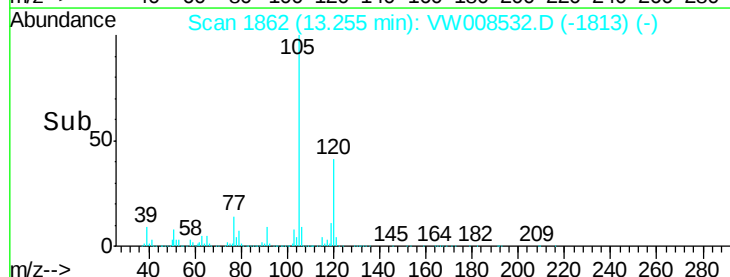
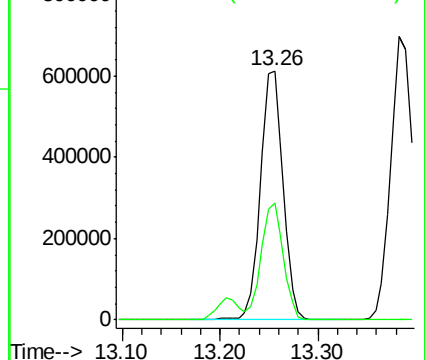
105 100

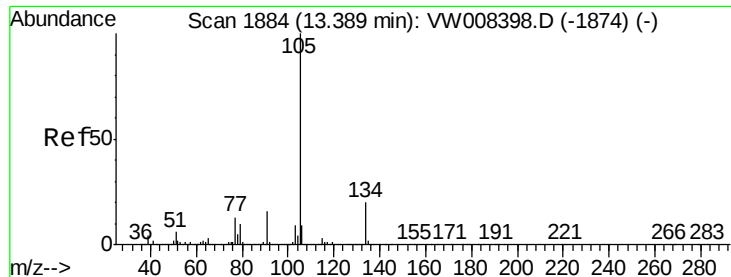
120 46.0 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 57.092 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

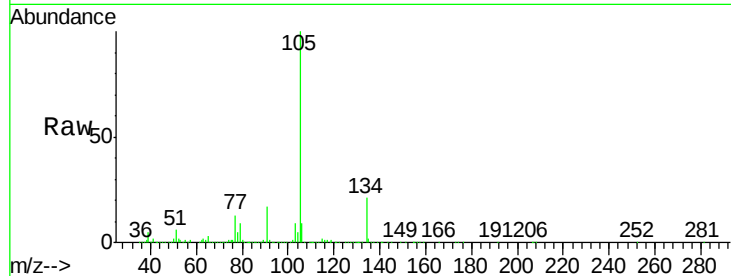
98-SB-01-2-4MS

Tot Ion:105 Resp: 1090941

Ion Ratio Lower Upper

105 100

134 20.8 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

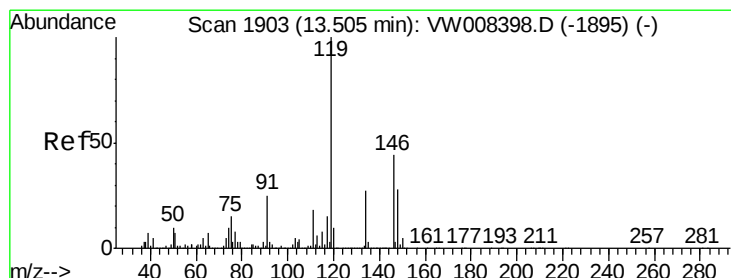
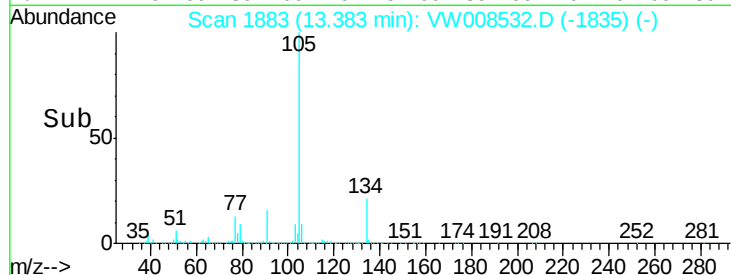
400000

200000

0

13.30 13.40

Time-->



#86

p-Isopropyltoluene

Concen: 59.250 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

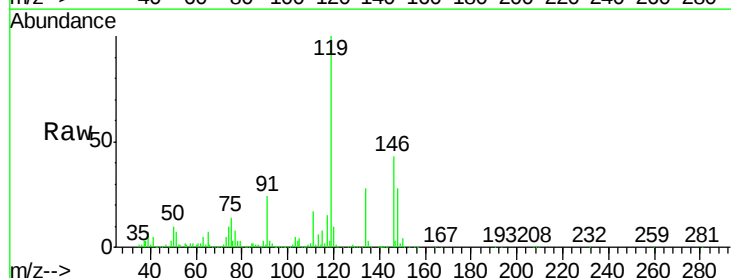
Tgt Ion:119 Resp: 991726

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 24.2 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

600000

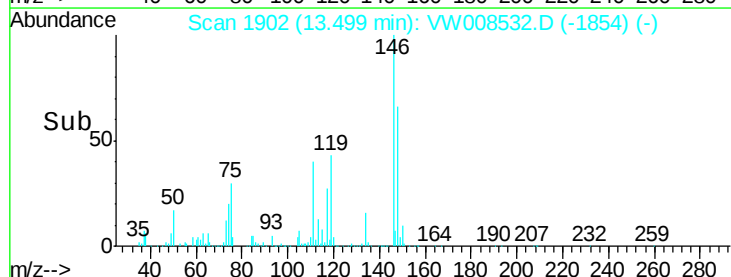
400000

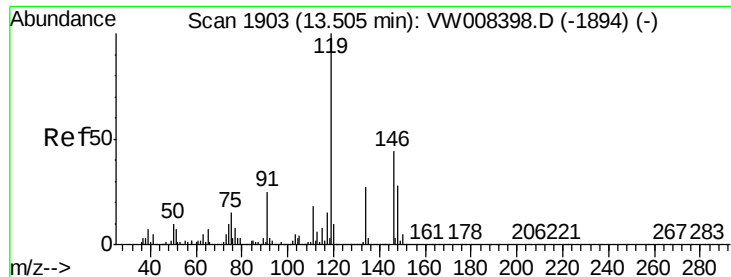
200000

0

13.45 13.50 13.55

Time-->

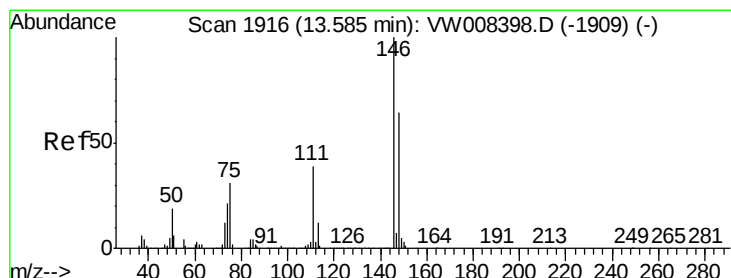
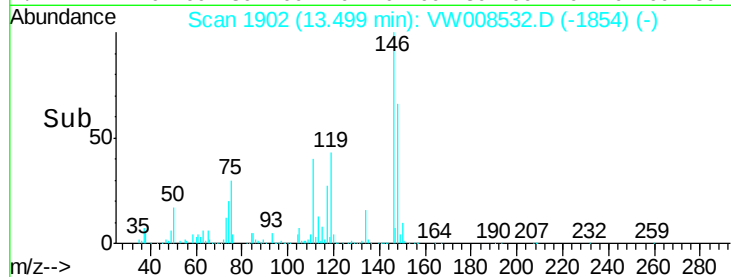
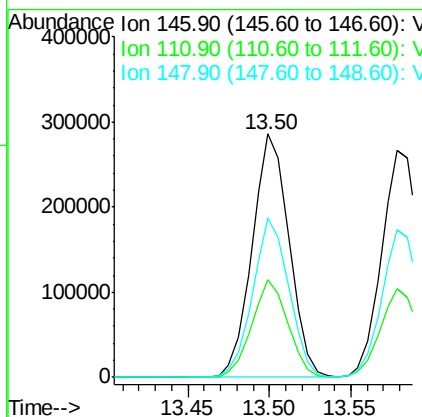
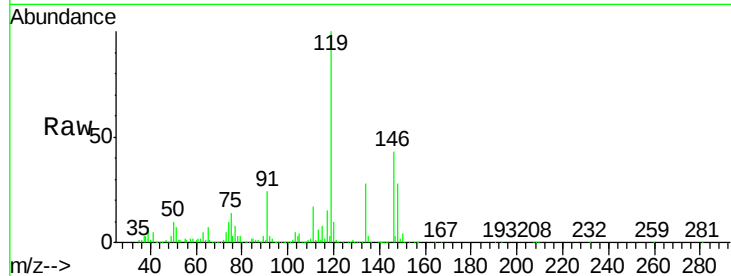




#87
 1,3-Dichlorobenzene
 Concen: 56.863 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008532.D
 Acq: 06 Feb 2019 17:14

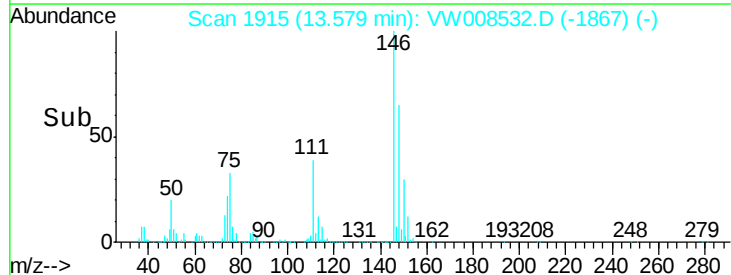
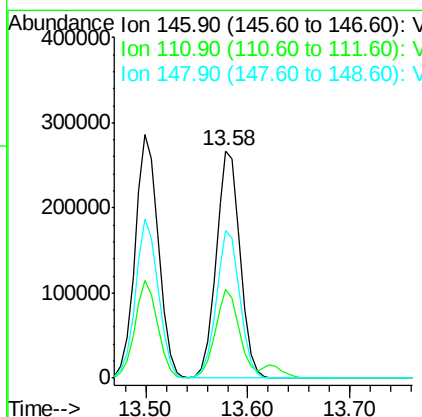
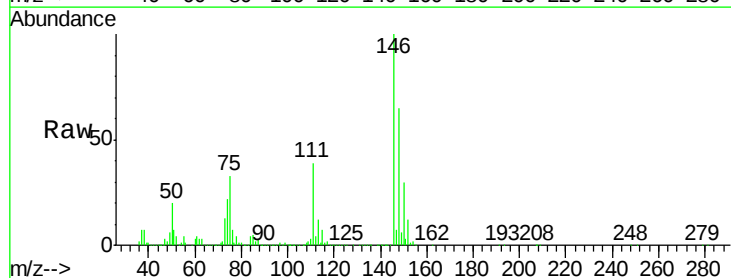
Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MS

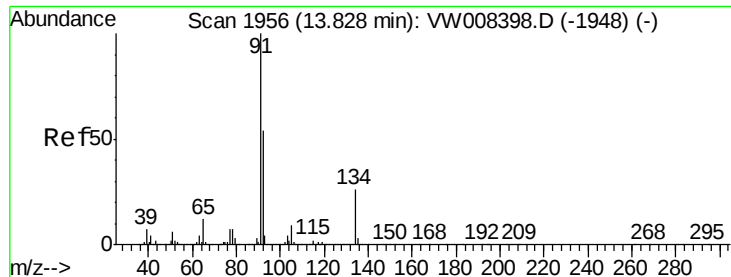
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.3	60.9
148	64.2	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 55.232 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW008532.D
 Acq: 06 Feb 2019 17:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	60.0
148	64.0	32.0	96.2

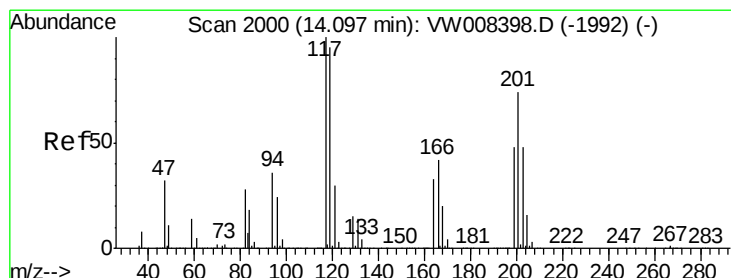
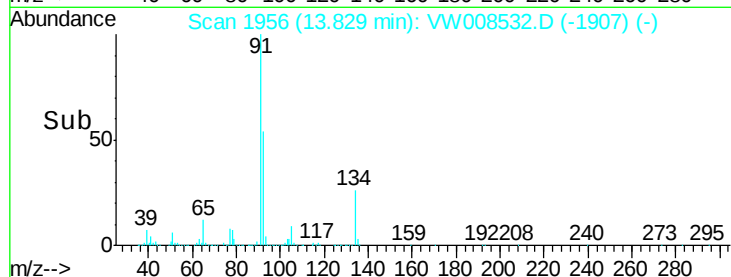
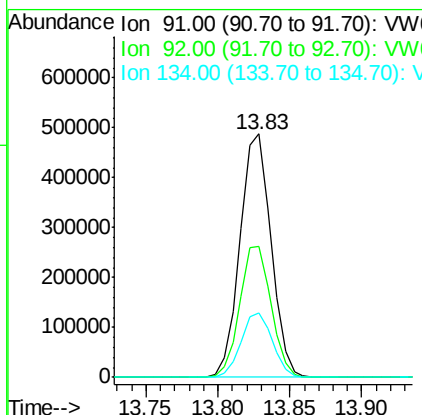
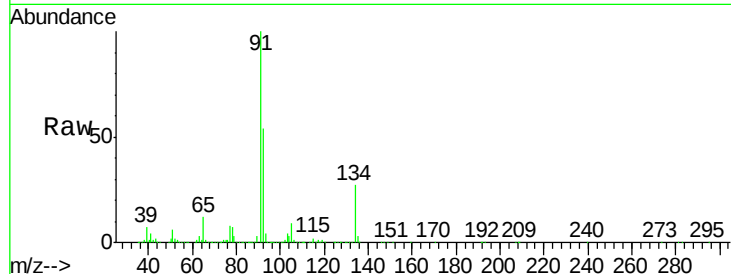




#89
n-Butylbenzene
Concen: 44.442 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

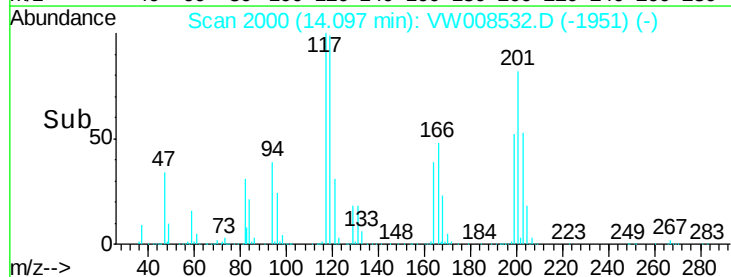
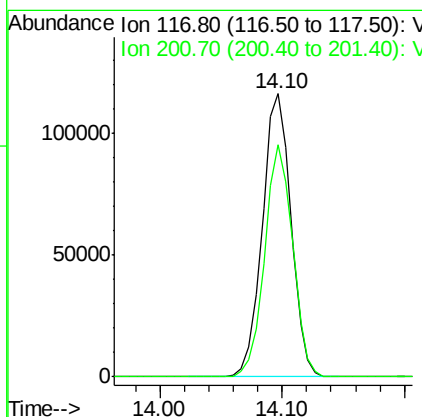
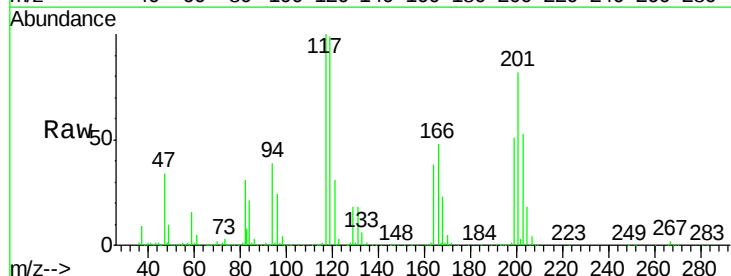
Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

Tot Ion: 91 Resp: 730372
Ion Ratio Lower Upper
91 100
92 54.6 27.4 82.2
134 26.8 13.0 39.0



#90
Hexachloroethane
Concen: 58.075 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

Tgt Ion: 117 Resp: 190096
Ion Ratio Lower Upper
117 100
201 79.8 39.1 117.5





#91

1,2-Dichlorobenzene

Concen: 60.929 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MS

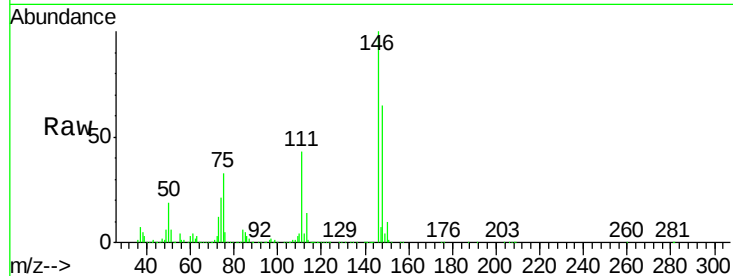
Tot Ion:146 Resp: 427736

Ion Ratio Lower Upper

146 100

111 41.1 21.1 63.3

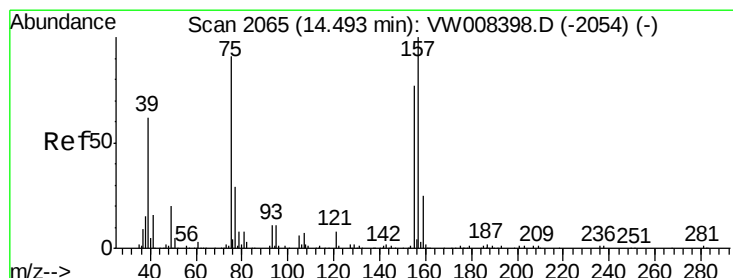
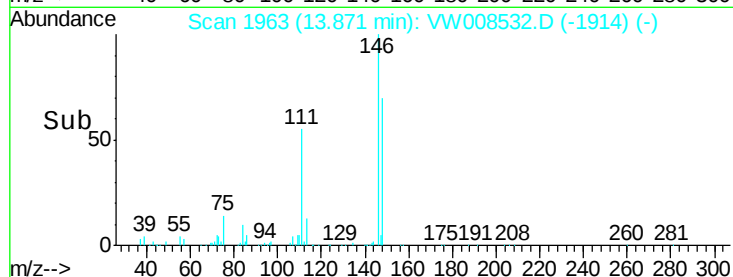
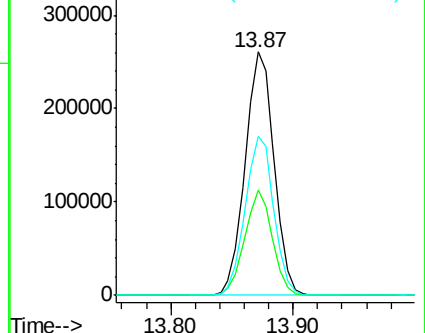
148 64.5 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 96.007 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

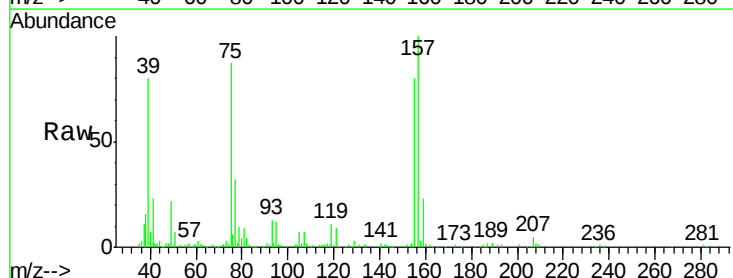
Tgt Ion: 75 Resp: 51880

Ion Ratio Lower Upper

75 100

155 86.4 42.7 128.1

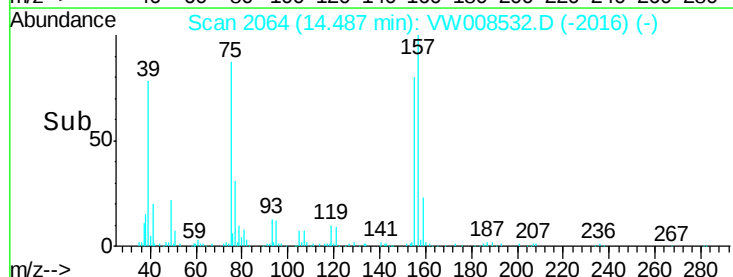
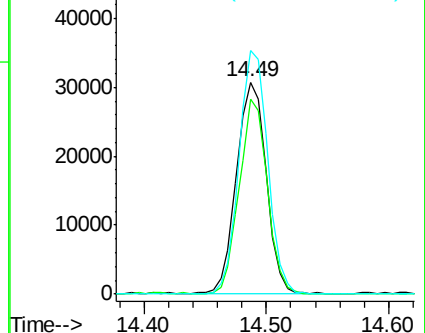
157 110.6 55.5 166.3

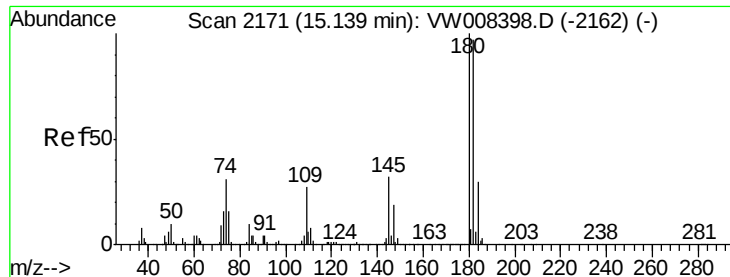


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

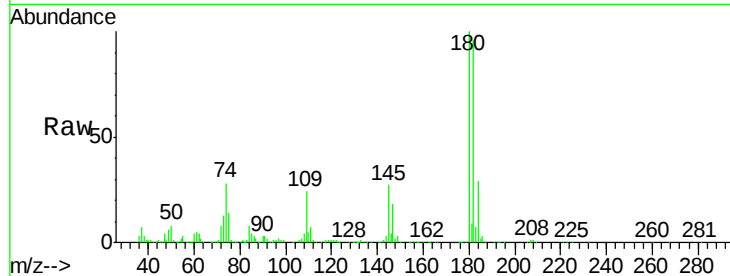




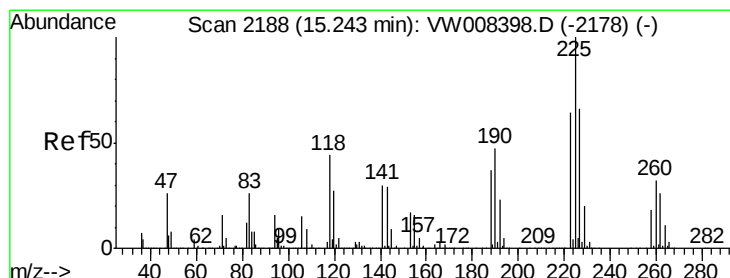
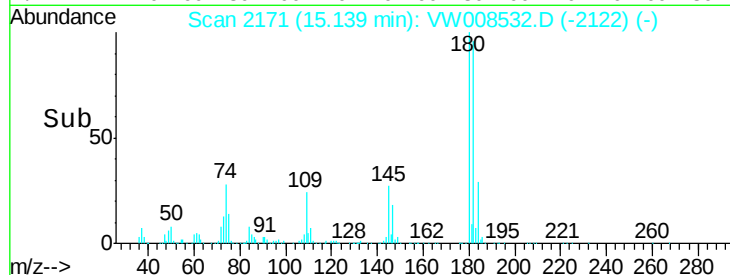
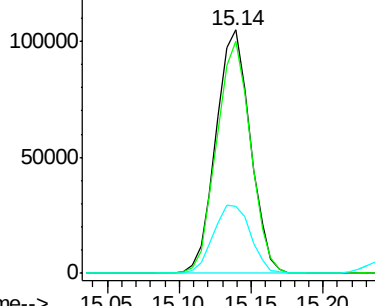
#93
 1,2,4-Trichlorobenzene
 Concen: 34.618 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008532.D
 Acq: 06 Feb 2019 17:14

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MS

Tot Ion:180 Resp: 173426
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.9 143.7
 145 30.3 15.5 46.5

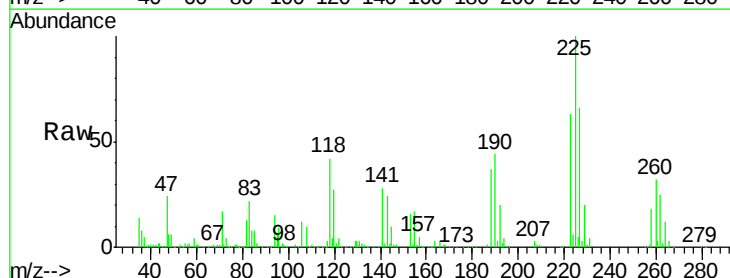


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

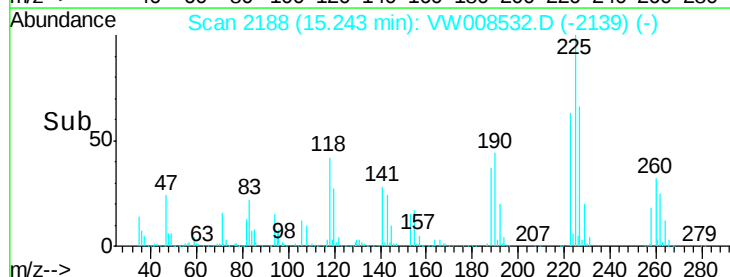
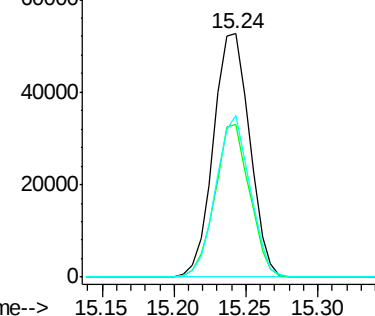


#94
 Hexachlorobutadiene
 Concen: 30.324 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008532.D
 Acq: 06 Feb 2019 17:14

Tgt Ion:225 Resp: 91554
 Ion Ratio Lower Upper
 225 100
 223 59.9 31.7 95.1
 227 62.7 32.1 96.3



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

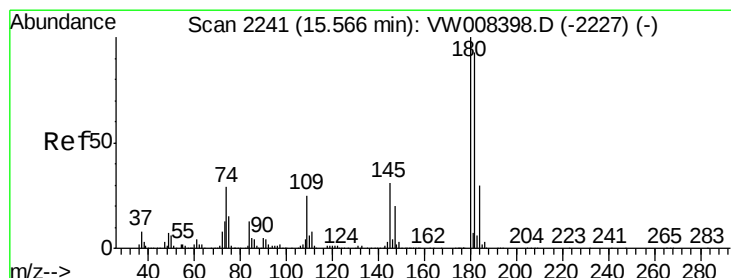
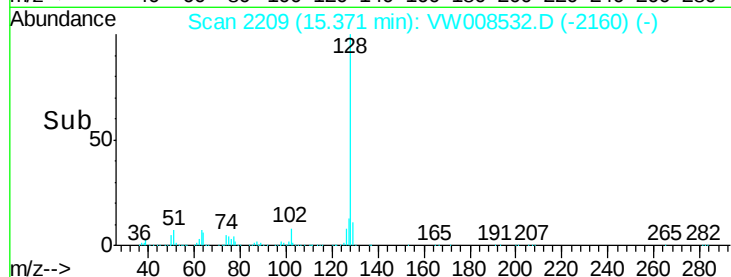
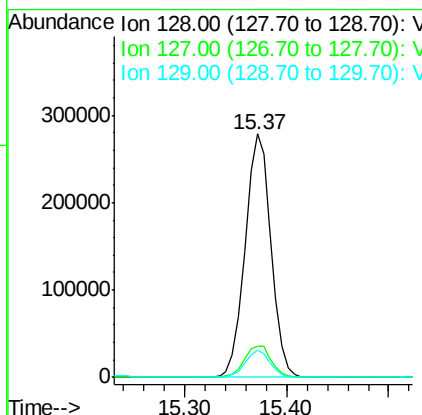
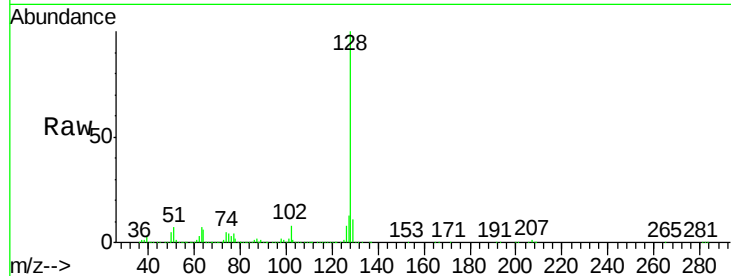




#95
Naphthalene
Concen: 55.732 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

Tot Ion:128 Resp: 490241
Ion Ratio Lower Upper
128 100
127 13.7 10.6 15.8
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 35.860 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

Tgt Ion:180 Resp: 152393
Ion Ratio Lower Upper
180 100
182 96.3 47.0 141.2
145 32.5 15.9 47.6

