

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012919\
 Data File : VW008442.D
 Acq On : 29 Jan 2019 10:21
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 30 01:01:06 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	429092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	639424	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	555780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	276061	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	216748	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
35) Dibromofluoromethane	7.88	113	223385	59.75	ug/l	0.00
Spiked Amount			Recovery	=	119.50%	
50) Toluene-d8	10.32	98	883151	58.90	ug/l	0.00
Spiked Amount			Recovery	=	117.80%	
62) 4-Bromofluorobenzene	12.62	95	317212	55.04	ug/l	0.00
Spiked Amount			Recovery	=	110.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	129373	52.032	ug/l	98
3) Chloromethane	2.21	50	155782	44.477	ug/l	99
4) Vinyl Chloride	2.37	62	238750	53.547	ug/l	100
5) Bromomethane	2.78	94	165220	57.450	ug/l	97
6) Chloroethane	2.93	64	160975	59.034	ug/l	100
7) Trichlorofluoromethane	3.26	101	194743	50.196	ug/l	97
8) Diethyl Ether	3.68	74	106546	49.791	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	224379	57.816	ug/l	96
10) Methyl Iodide	4.26	142	360996	58.890	ug/l	99
11) Tert butyl alcohol	5.17	59	72603	213.922	ug/l	97
12) 1,1-Dichloroethene	4.03	96	220633	56.175	ug/l	96
13) Acrolein	3.89	56	66792	223.508	ug/l	99
14) Allyl chloride	4.67	41	376118	50.431	ug/l	98
15) Acrylonitrile	5.36	53	214387	232.017	ug/l	100
16) Acetone	4.12	43	264404	279.309	ug/l	95
17) Carbon Disulfide	4.37	76	655487	52.255	ug/l	99
18) Methyl Acetate	4.67	43	114454	45.331	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	324344	49.912	ug/l	98
20) Methylene Chloride	4.91	84	218970	50.187	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	237854	53.867	ug/l	92
22) Diisopropyl ether	6.31	45	678515	48.003	ug/l	97
23) Vinyl Acetate	6.25	43	1909310	228.762	ug/l	98
24) 1,1-Dichloroethane	6.21	63	412848	51.600	ug/l	99
25) 2-Butanone	7.17	43	316429	240.656	ug/l	98
26) 2,2-Dichloropropane	7.17	77	292577	54.100	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	259431	53.911	ug/l	95
28) Bromochloromethane	7.51	49	157734	42.923	ug/l	95
29) Tetrahydrofuran	7.52	42	181933	218.347	ug/l	96
30) Chloroform	7.67	83	408691	51.933	ug/l	94
31) Cyclohexane	7.95	56	387882	46.885	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	372448	54.794	ug/l	99
36) 1,1-Dichloropropene	8.08	75	340801	56.423	ug/l	98
37) Ethyl Acetate	7.25	43	127414	47.680	ug/l	97
38) Carbon Tetrachloride	8.07	117	360705	59.345	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	435340	54.865	ug/l	98
40) Benzene	8.32	78	918818	54.821	ug/l	100
41) Methacrylonitrile	7.48	41	78438	49.572	ug/l	98
42) 1,2-Dichloroethane	8.40	62	253149	52.119	ug/l	98
43) Isopropyl Acetate	8.43	43	261837	47.163	ug/l	97
44) Trichloroethene	9.09	130	263935	57.909	ug/l	99
45) 1,2-Dichloropropane	9.37	63	220807	52.837	ug/l	98
46) Dibromomethane	9.46	93	111733	51.983	ug/l	96
47) Bromodichloromethane	9.64	83	306735	53.953	ug/l	99
48) Methyl methacrylate	9.43	41	132589	48.843	ug/l	96
49) 1,4-Dioxane	9.45	88	39686	1092.320	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	636129	231.931	ug/l	99
52) Toluene	10.39	92	598267	54.074	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	314357	51.964	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	364562	53.102	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	156624	52.534	ug/l	97
56) Ethyl methacrylate	10.65	69	199663	47.794	ug/l	98
57) 1,3-Dichloropropane	10.93	76	274792	51.448	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	487573	240.213	ug/l	97
59) 2-Hexanone	10.97	43	495554	255.932	ug/l	99
60) Dibromochloromethane	11.13	129	201865	52.688	ug/l	100
61) 1,2-Dibromoethane	11.24	107	154754	52.350	ug/l	100
64) Tetrachloroethene	10.86	164	221128	58.764	ug/l	95
65) Chlorobenzene	11.66	112	652387	57.502	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	231481	57.026	ug/l	99
67) Ethyl Benzene	11.73	91	1185483	56.845	ug/l	99
68) m/p-Xylenes	11.84	106	915548	113.149	ug/l	97
69) o-Xylene	12.17	106	430291	55.968	ug/l	97
70) Styrene	12.18	104	693515	54.610	ug/l	98
71) Bromoform	12.35	173	119896	52.497	ug/l #	99
73) Isopropylbenzene	12.47	105	1206653	58.630	ug/l	99
74) N-amyl acetate	12.27	43	259315	48.909	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	172579	52.965	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	242605	101.079	ug/l	25
77) Bromobenzene	12.75	156	263744	58.679	ug/l	93
78) n-propylbenzene	12.80	91	1439710	58.243	ug/l	99
79) 2-Chlorotoluene	12.90	91	795860	57.056	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	1003326	58.326	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	63564	52.307	ug/l	99
82) 4-Chlorotoluene	12.99	91	833117	56.098	ug/l	98
83) tert-Butylbenzene	13.21	119	908323	59.337	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1016447	58.134	ug/l	100
85) sec-Butylbenzene	13.39	105	1287434	58.890	ug/l	100
86) p-Isopropyltoluene	13.50	119	1135985	59.321	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	530747	58.469	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	520211	57.666	ug/l	98
89) n-Butylbenzene	13.83	91	1086585	57.790	ug/l	99
90) Hexachloroethane	14.10	117	221911	59.256	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	454501	56.587	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	30253	48.934	ug/l	99

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

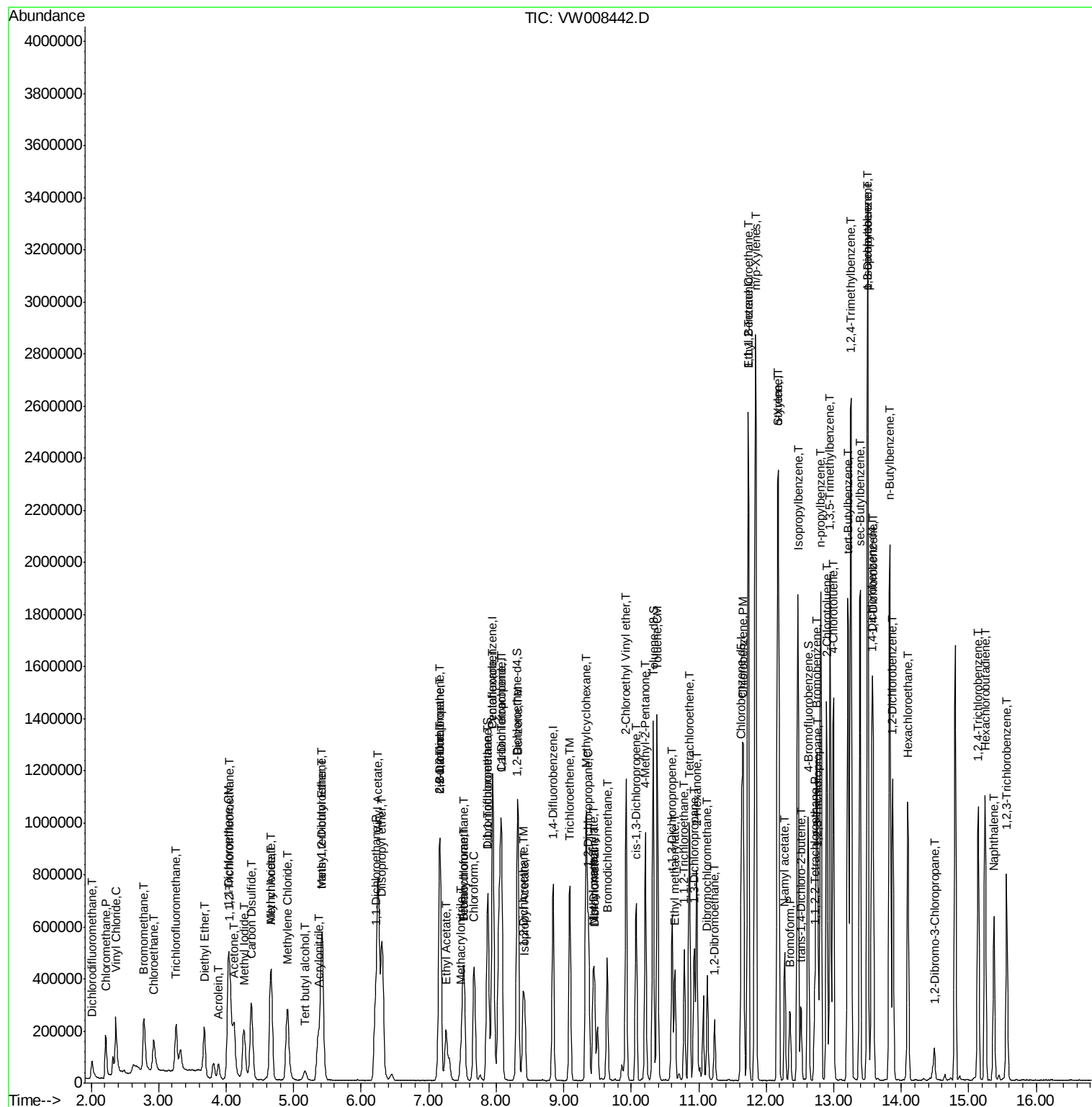
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	331556	57.847	ug/l	99
94) Hexachlorobutadiene	15.24	225	209907	60.768	ug/l	99
95) Naphthalene	15.37	128	546552	54.308	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	277452	57.065	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW012919\
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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: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

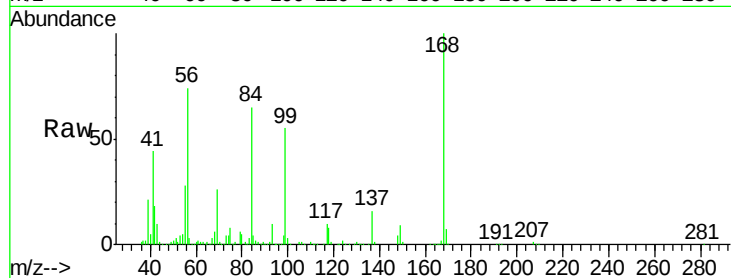
VSTDCCC050

Tgt Ion:168 Resp: 429092

Ion Ratio Lower Upper

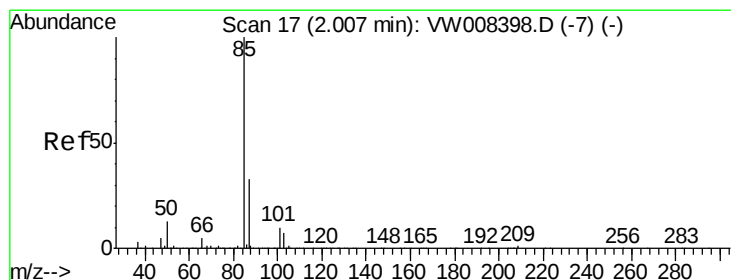
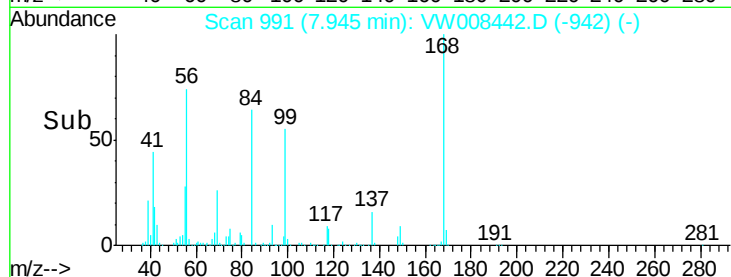
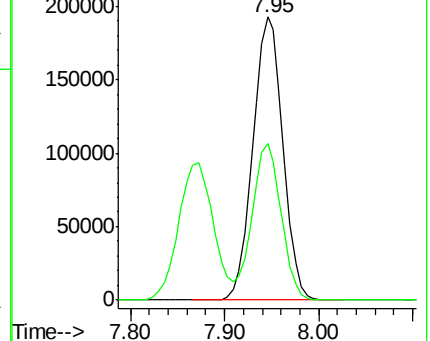
168 100

99 55.1 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 52.032 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008442.D

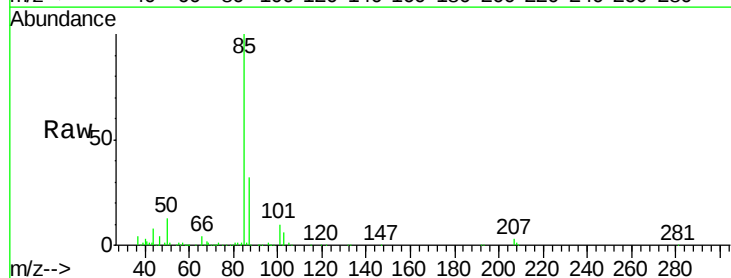
Acq: 29 Jan 2019 10:21

Tgt Ion: 85 Resp: 129373

Ion Ratio Lower Upper

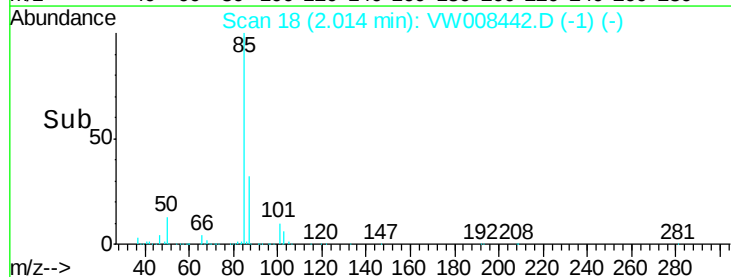
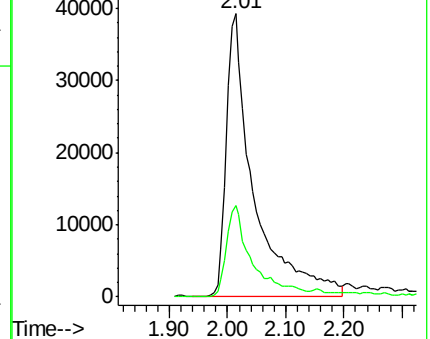
85 100

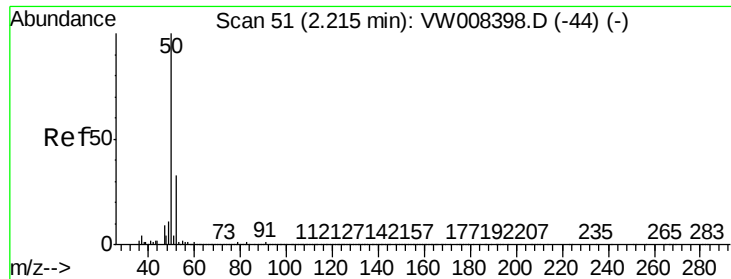
87 32.2 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 44.477 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

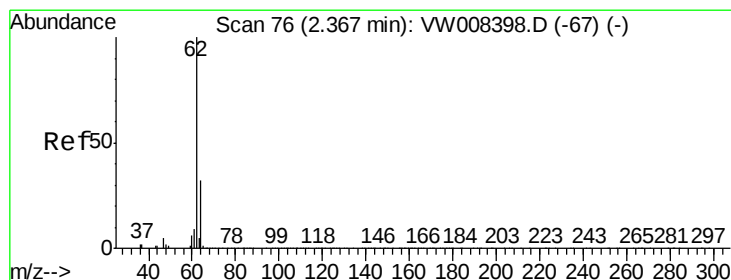
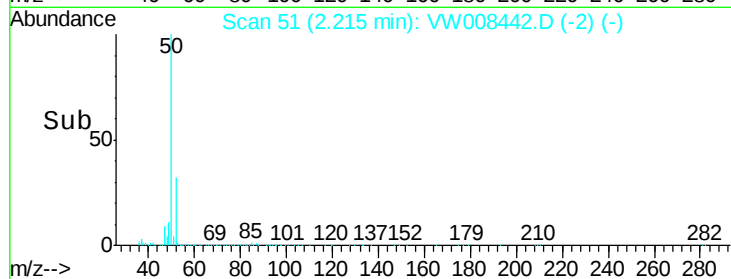
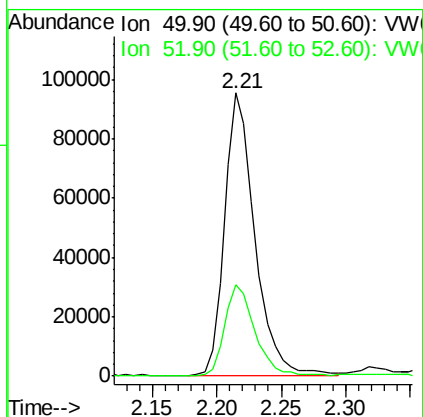
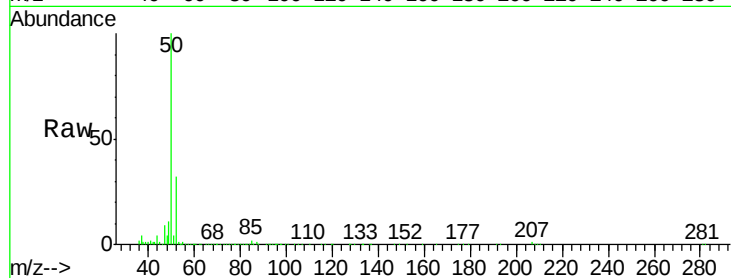
VSTDCCC050

Tgt Ion: 50 Resp: 155782

Ion Ratio Lower Upper

50 100

52 32.5 26.3 39.5



#4

Vinyl Chloride

Concen: 53.547 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008442.D

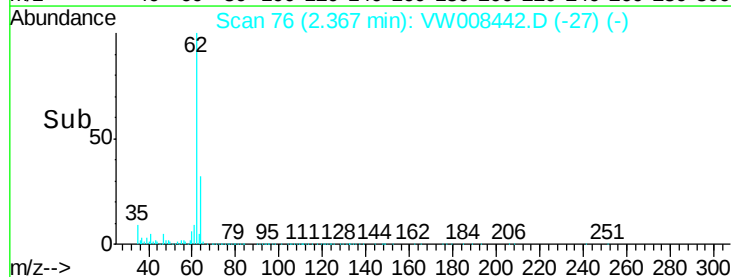
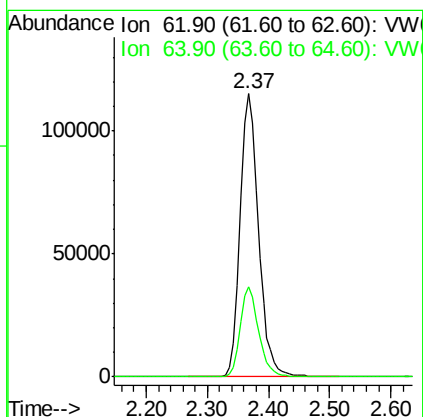
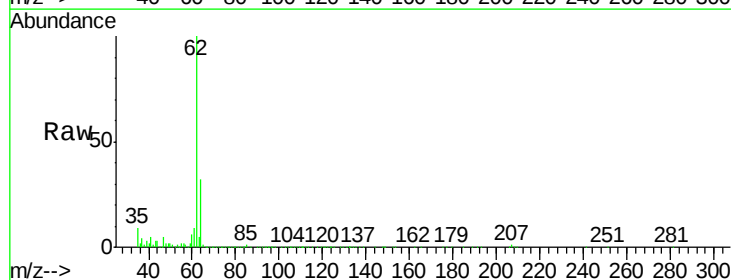
Acq: 29 Jan 2019 10:21

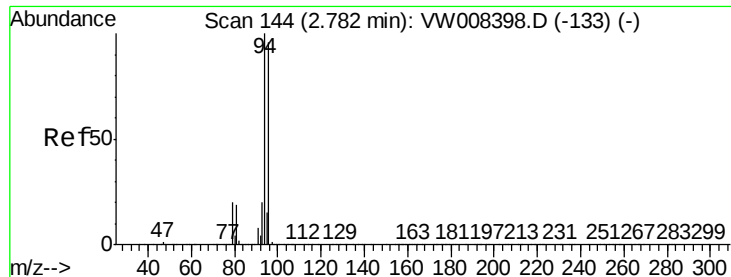
Tgt Ion: 62 Resp: 238750

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 57.450 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

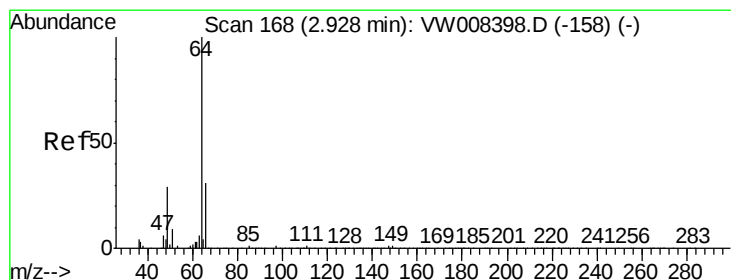
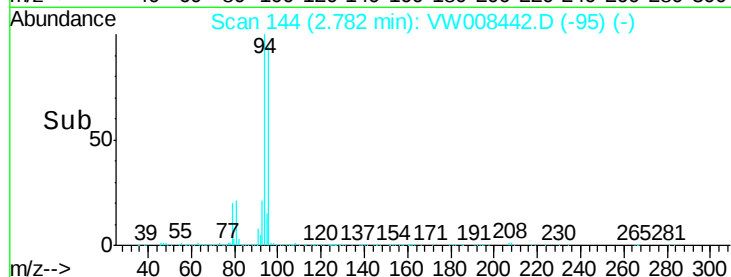
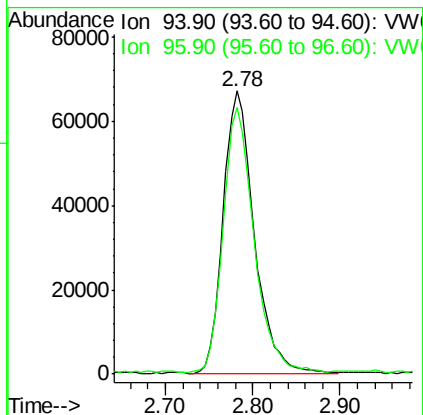
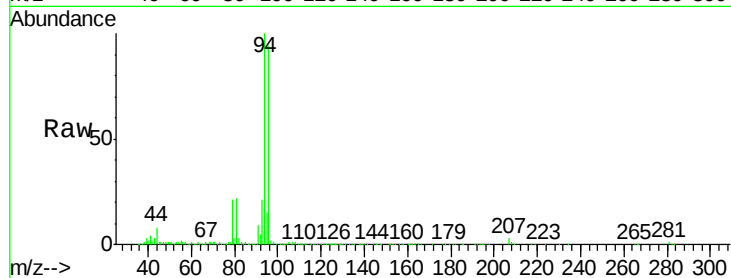
VSTDCCC050

Tgt Ion: 94 Resp: 165220

Ion Ratio Lower Upper

94 100

96 93.9 77.2 115.8



#6

Chloroethane

Concen: 59.034 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW008442.D

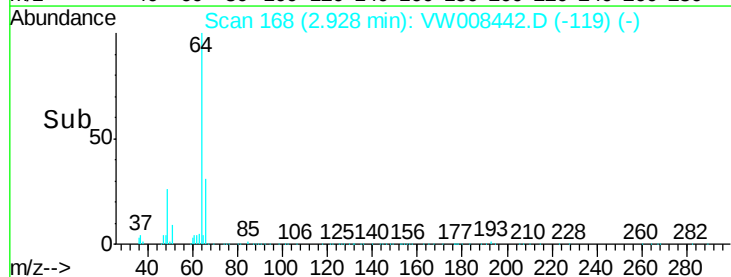
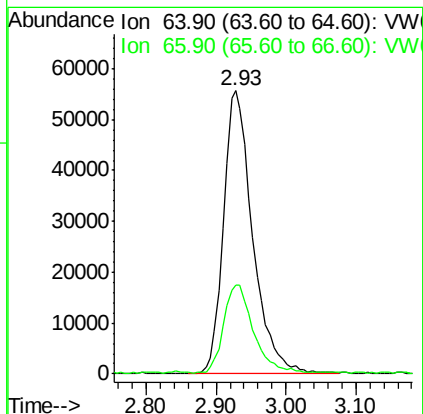
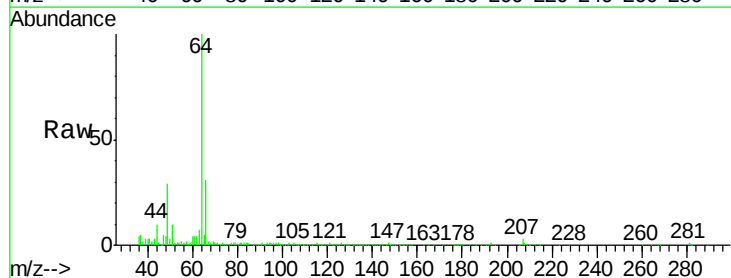
Acq: 29 Jan 2019 10:21

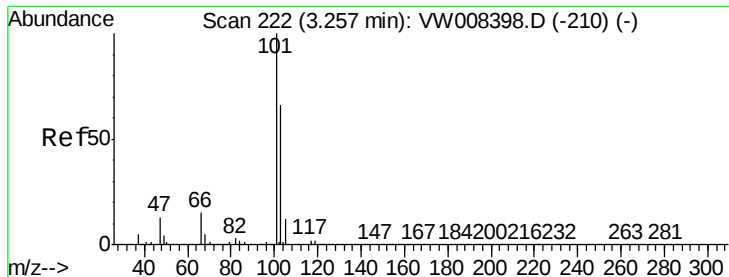
Tgt Ion: 64 Resp: 160975

Ion Ratio Lower Upper

64 100

66 30.8 24.9 37.3



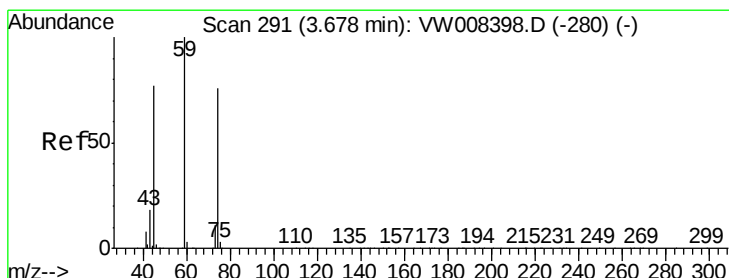
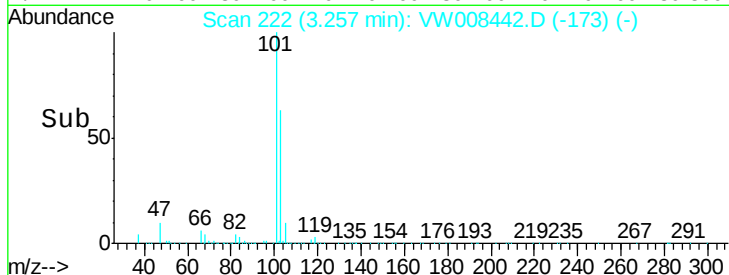
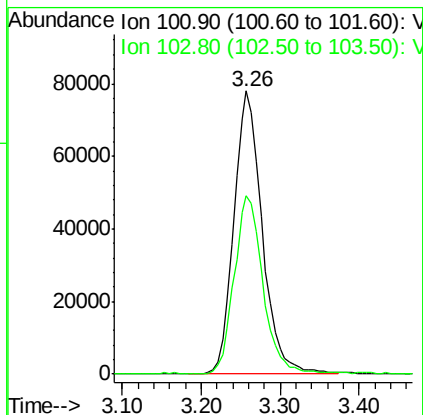
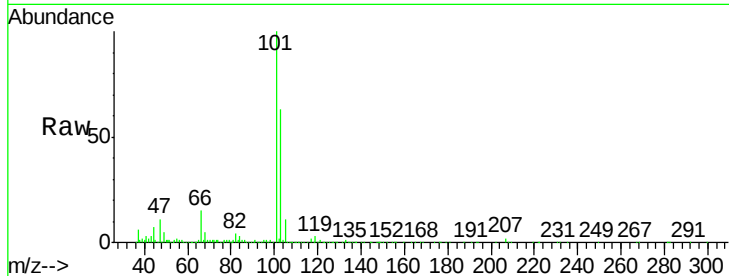


#7

Trichlorofluoromethane
Concen: 50.196 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

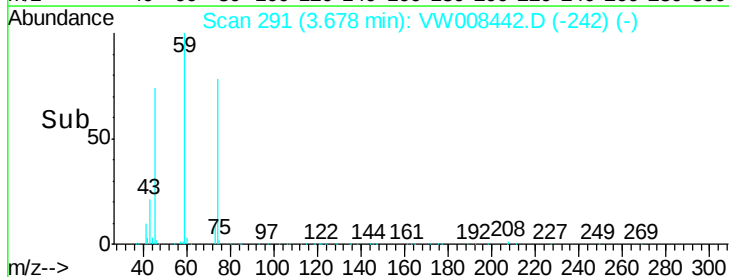
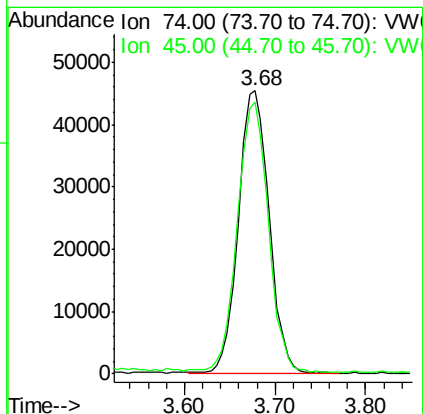
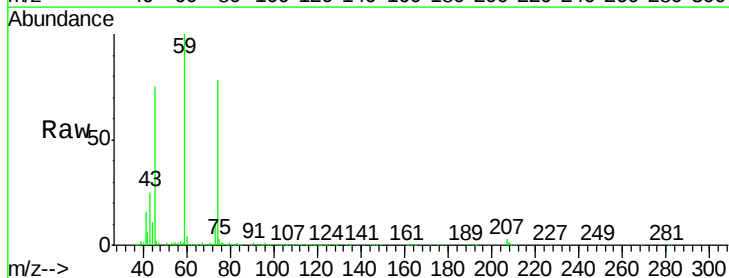
Tgt Ion:101 Resp: 194743
Ion Ratio Lower Upper
101 100
103 62.9 52.5 78.7



#8

Diethyl Ether
Concen: 49.791 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion: 74 Resp: 106546
Ion Ratio Lower Upper
74 100
45 97.3 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.816 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

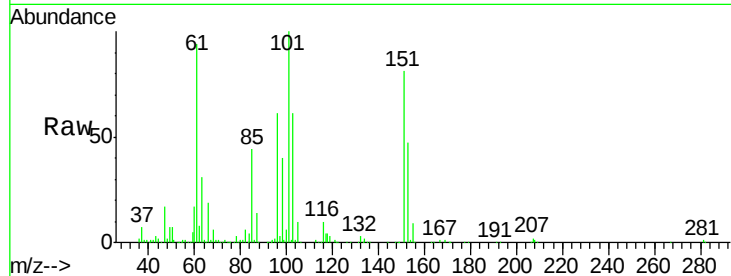
Tgt Ion:101 Resp: 224379

Ion Ratio Lower Upper

101 100

85 42.8 35.0 52.4

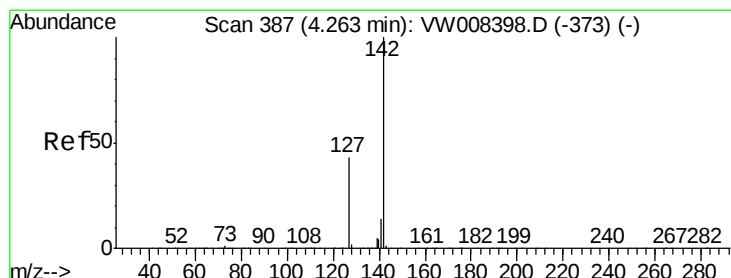
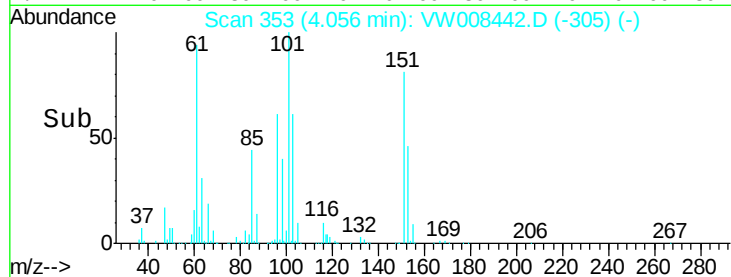
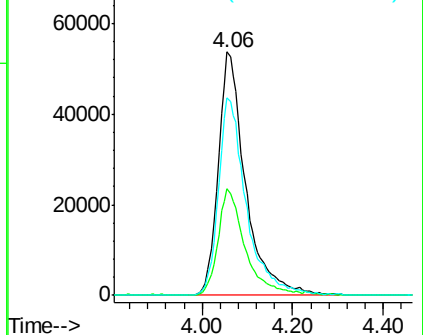
151 82.6 62.6 94.0



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: 58.890 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

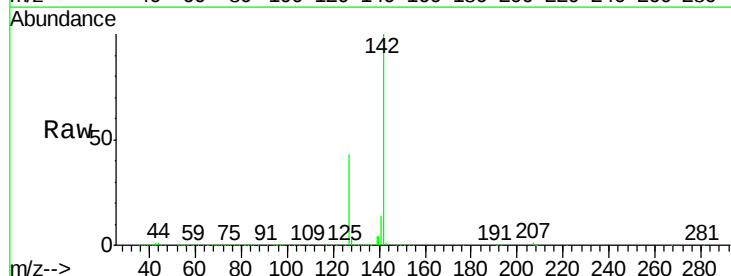
Tgt Ion:142 Resp: 360996

Ion Ratio Lower Upper

142 100

127 42.6 34.6 52.0

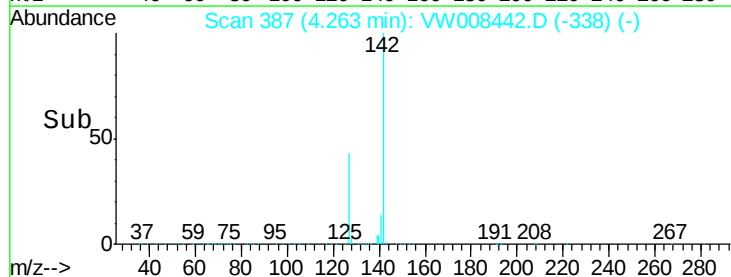
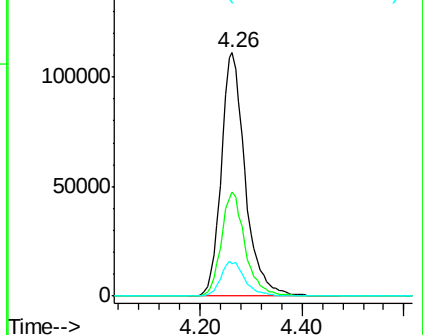
141 14.5 11.4 17.2

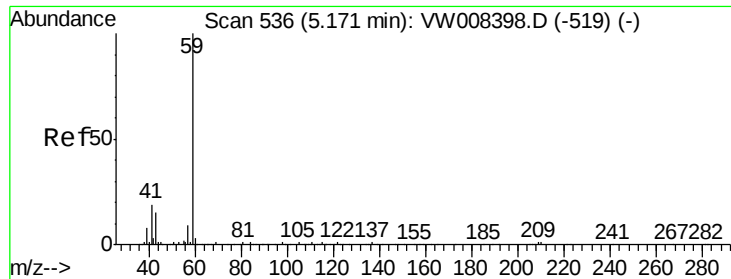


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

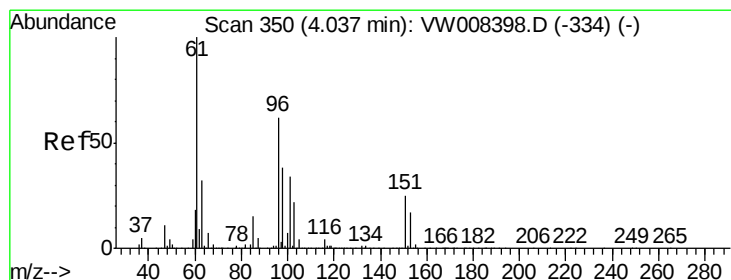
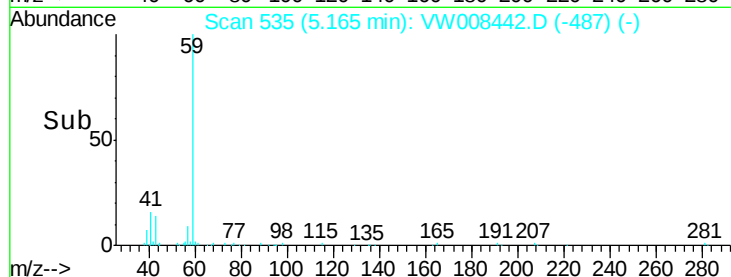
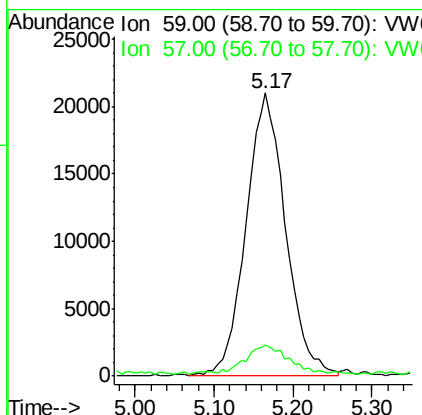
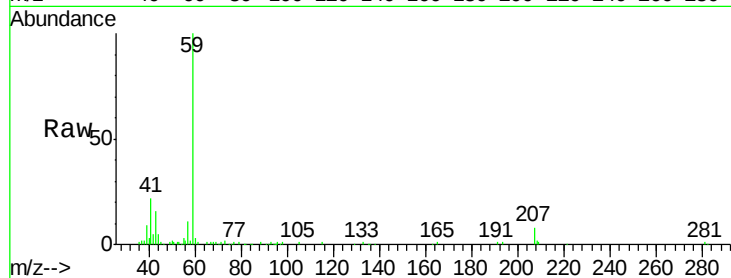




#11
Tert butyl alcohol
Concen: 213.922 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

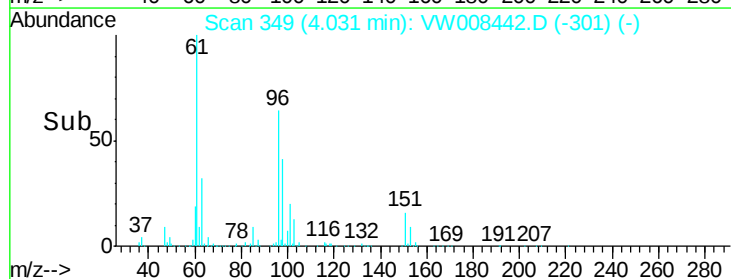
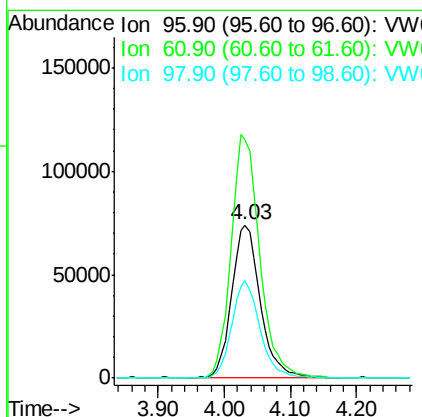
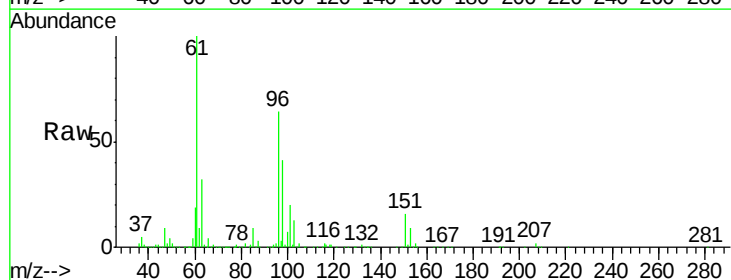
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

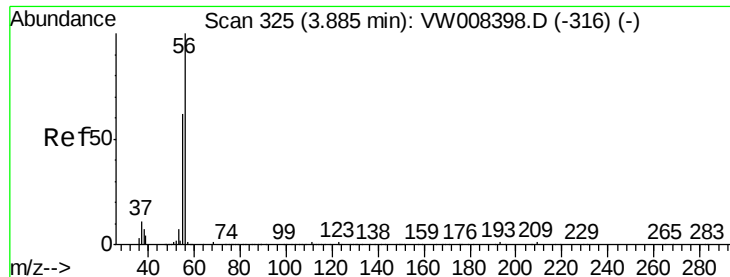
Tgt Ion: 59 Resp: 72603
Ion Ratio Lower Upper
59 100
57 10.3 9.3 13.9



#12
1,1-Dichloroethene
Concen: 56.175 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion: 96 Resp: 220633
Ion Ratio Lower Upper
96 100
61 156.8 129.5 194.3
98 64.4 48.6 73.0

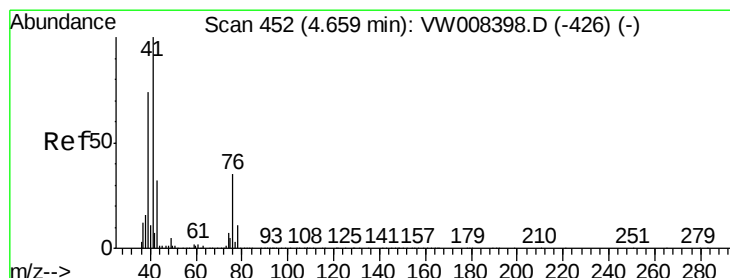
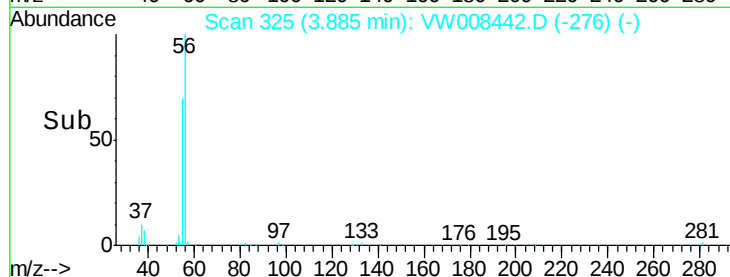
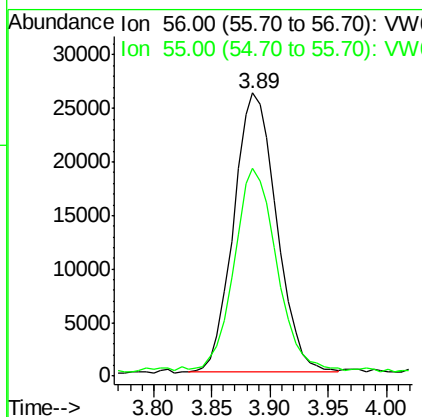
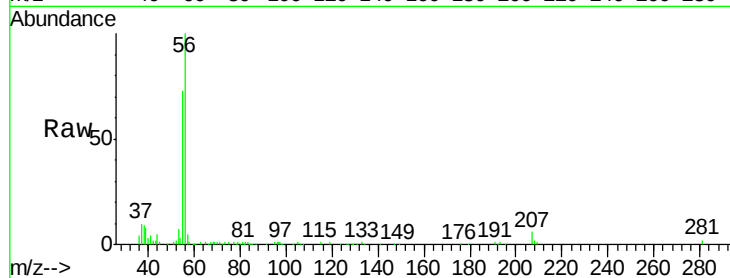




#13
Acrolein
Concen: 223.508 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

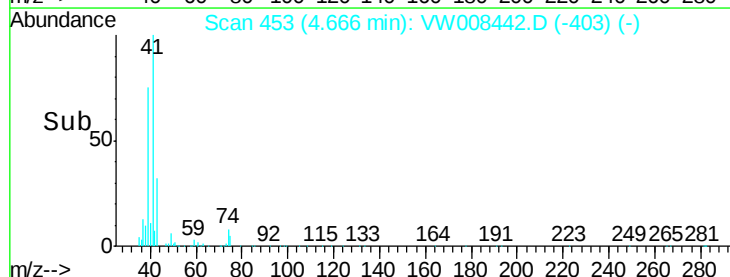
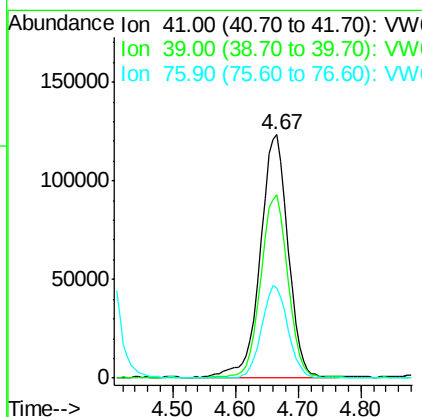
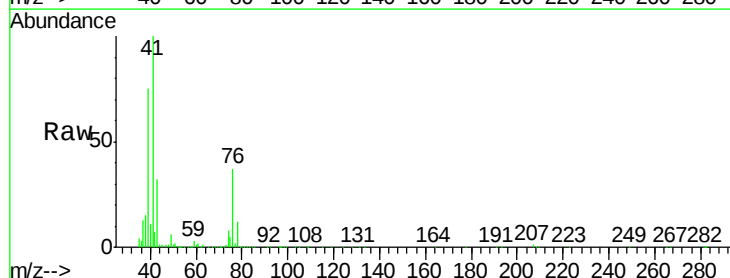
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

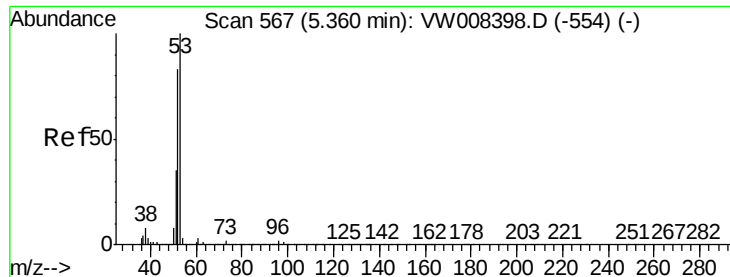
Tgt Ion: 56 Resp: 66792
Ion Ratio Lower Upper
56 100
55 71.8 56.7 85.1



#14
Allyl chloride
Concen: 50.431 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion: 41 Resp: 376118
Ion Ratio Lower Upper
41 100
39 73.3 57.7 86.5
76 35.7 26.9 40.3





#15

Acrylonitrile

Concen: 232.017 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

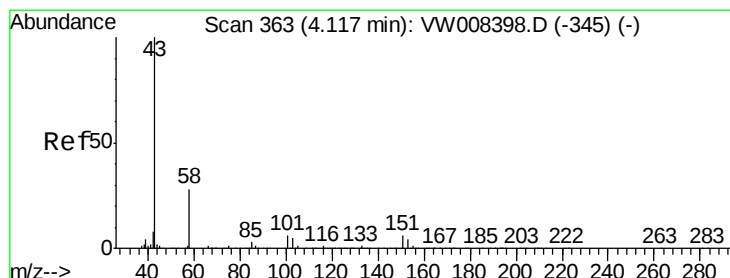
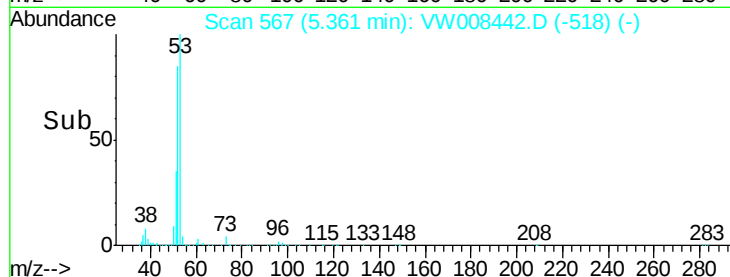
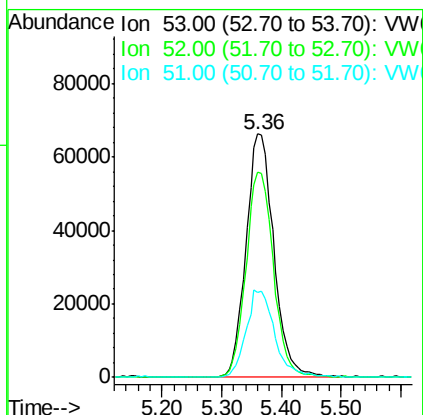
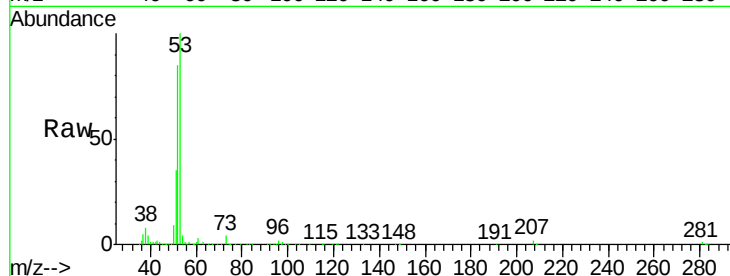
Tgt Ion: 53 Resp: 214387

Ion Ratio Lower Upper

53 100

52 83.6 67.0 100.4

51 37.2 29.8 44.8



#16

Acetone

Concen: 279.309 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008442.D

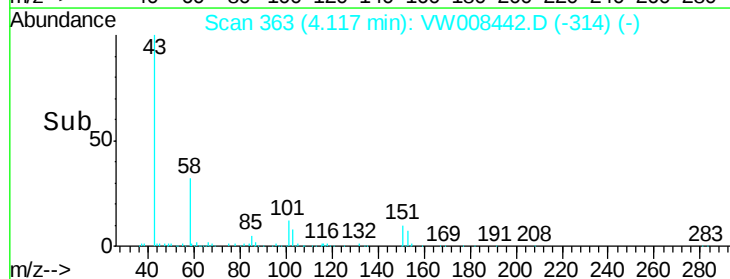
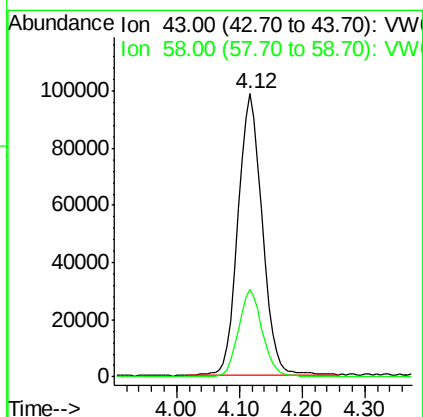
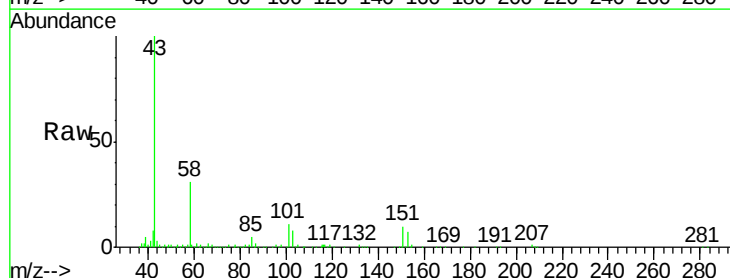
Acq: 29 Jan 2019 10:21

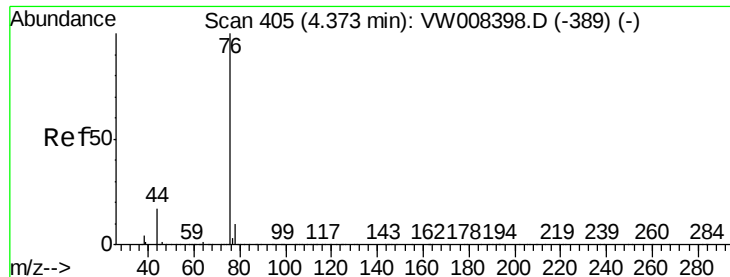
Tgt Ion: 43 Resp: 264404

Ion Ratio Lower Upper

43 100

58 30.9 22.6 34.0





#17

Carbon Disulfide

Concen: 52.255 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

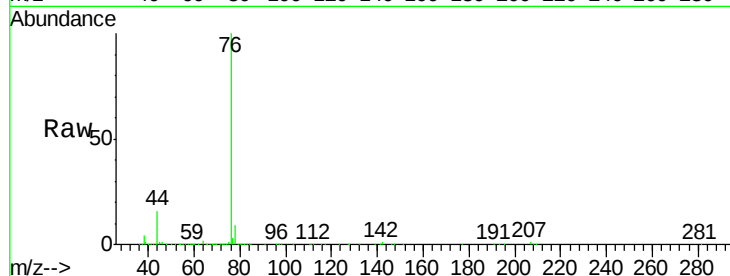
VSTDCCC050

Tgt Ion: 76 Resp: 655487

Ion Ratio Lower Upper

76 100

78 9.4 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

250000

200000

150000

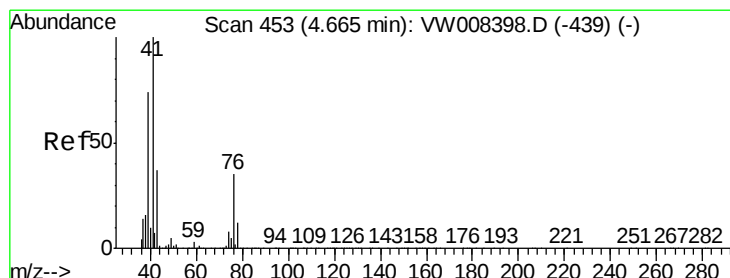
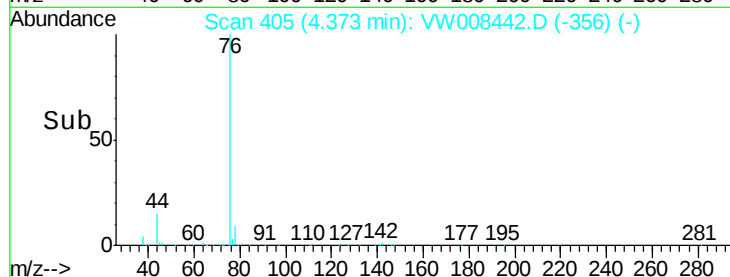
100000

50000

0

Time-->

4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 45.331 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008442.D

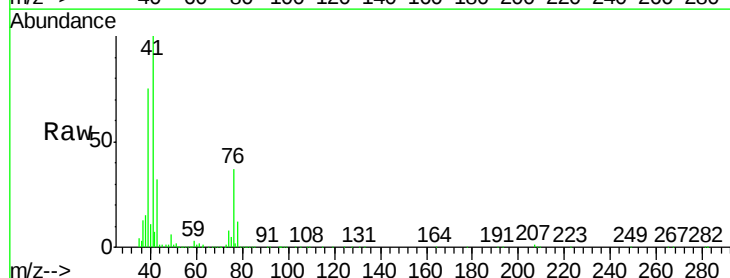
Acq: 29 Jan 2019 10:21

Tgt Ion: 43 Resp: 114454

Ion Ratio Lower Upper

43 100

74 24.1 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

40000

30000

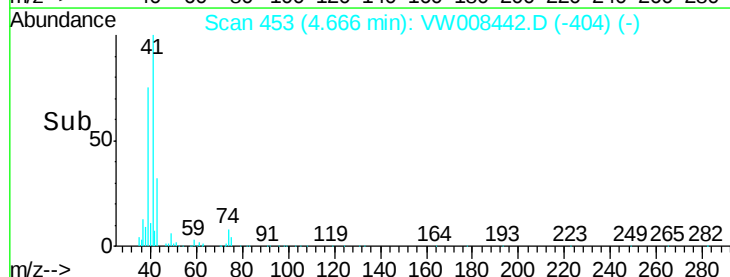
20000

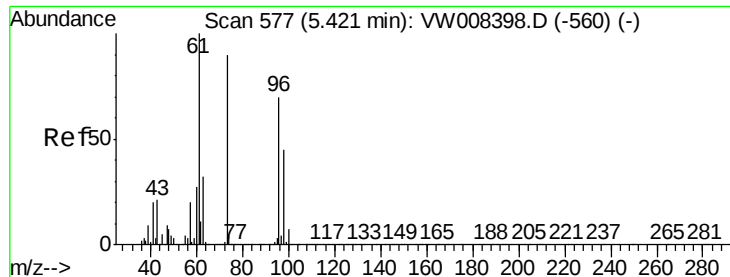
10000

0

Time-->

4.50 4.60 4.70 4.80

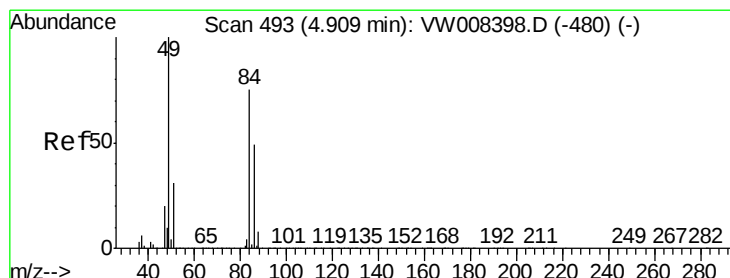
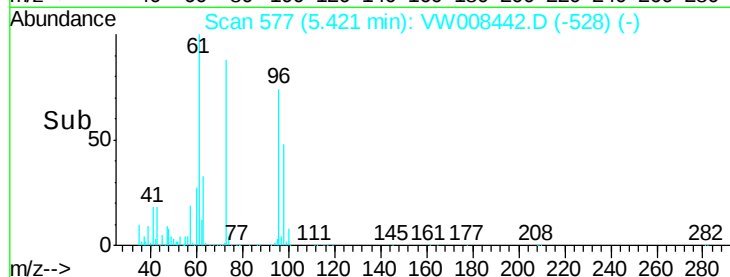
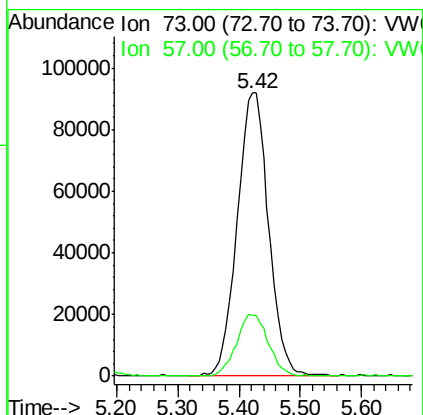
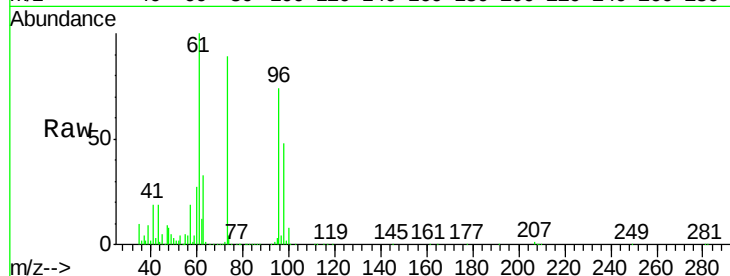




#19
Methyl tert-butyl Ether
Concen: 49.912 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

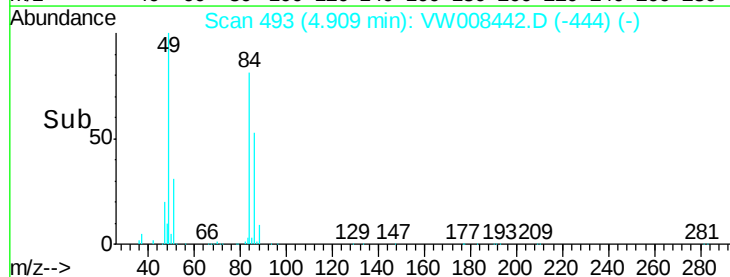
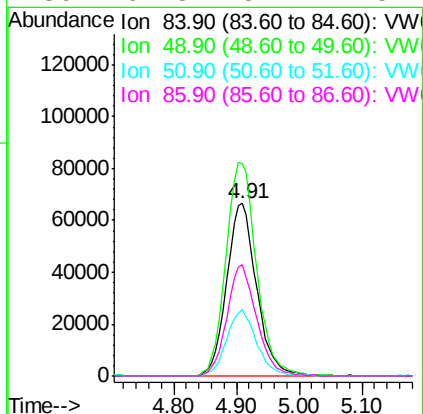
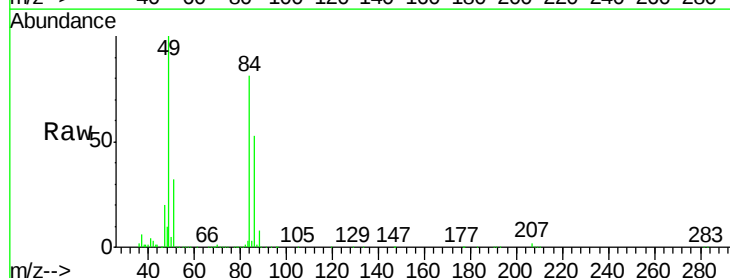
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

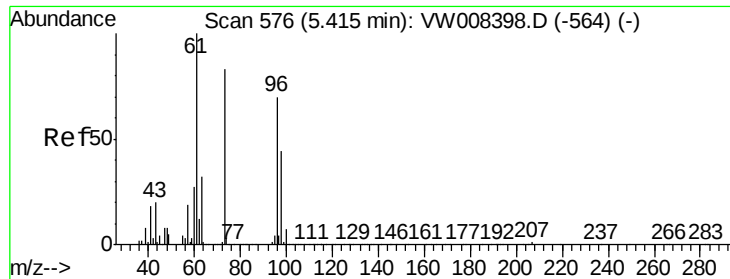
Tgt Ion: 73 Resp: 324344
Ion Ratio Lower Upper
73 100
57 21.3 18.0 27.0



#20
Methylene Chloride
Concen: 50.187 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion: 84 Resp: 218970
Ion Ratio Lower Upper
84 100
49 123.0 106.8 160.2
51 38.6 32.9 49.3
86 64.8 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 53.867 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

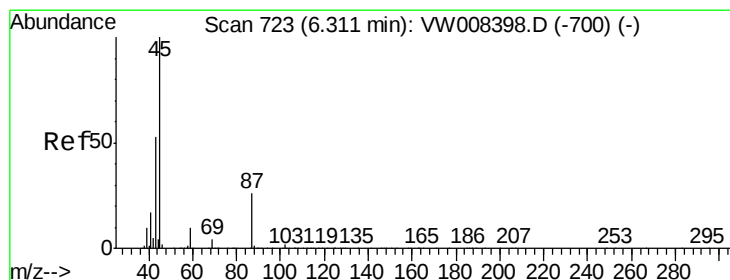
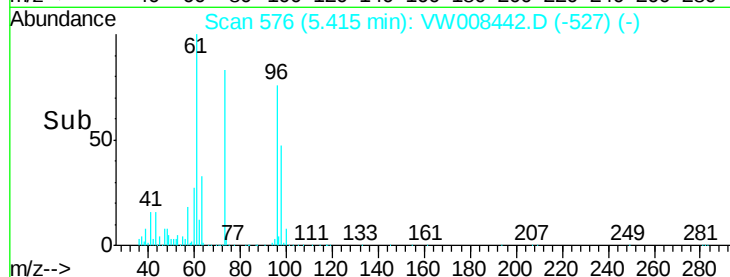
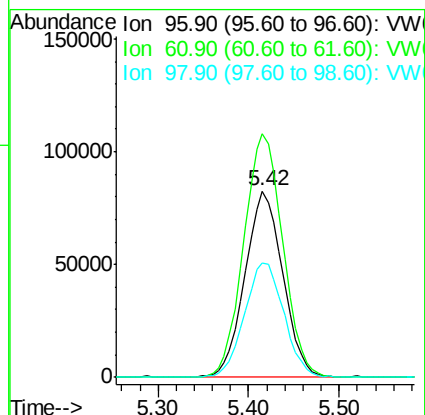
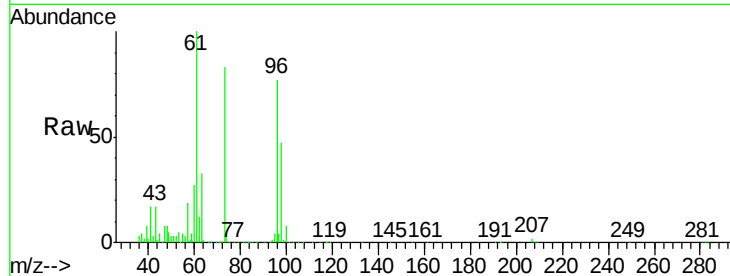
Tgt Ion: 96 Resp: 237854

Ion Ratio Lower Upper

96 100

61 130.7 114.4 171.6

98 61.3 50.6 75.8



#22

Diisopropyl ether

Concen: 48.003 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Tgt Ion: 45 Resp: 678515

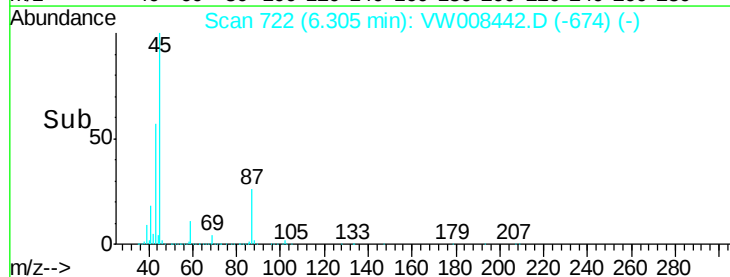
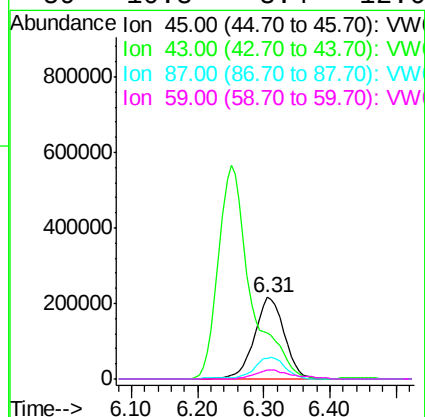
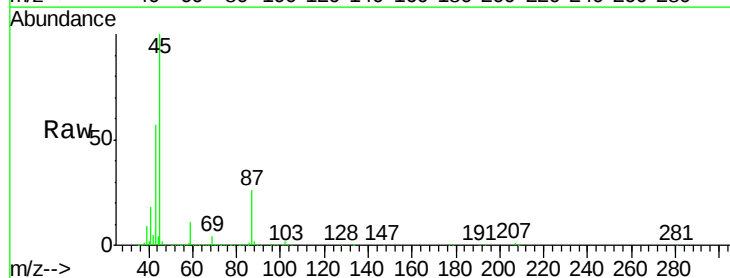
Ion Ratio Lower Upper

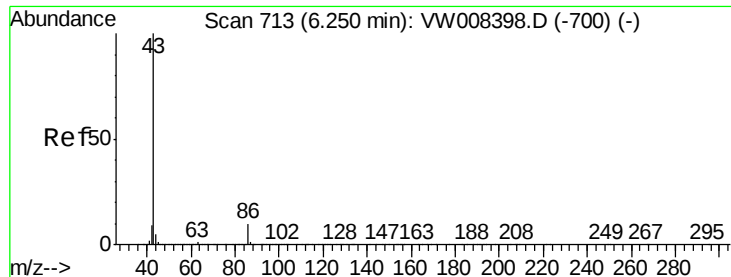
45 100

43 56.2 42.6 63.8

87 25.8 20.3 30.5

59 10.8 8.4 12.6

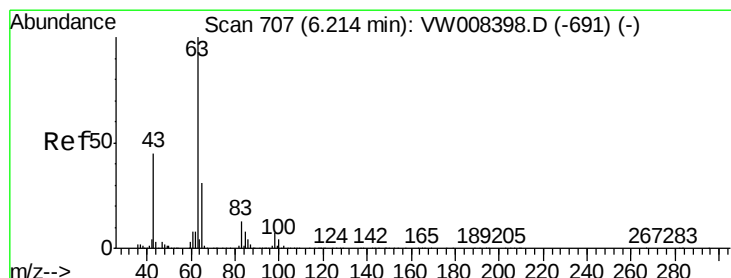
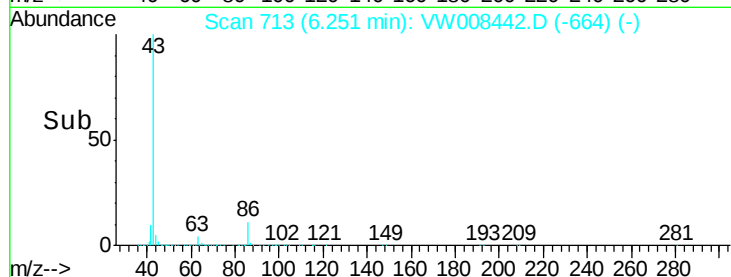
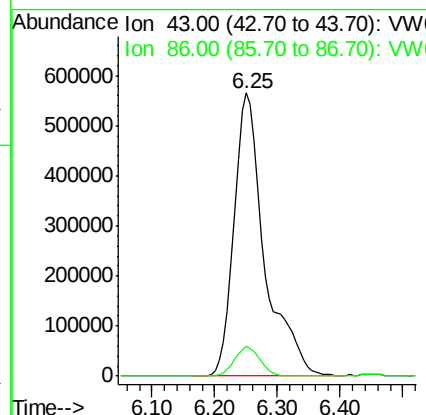
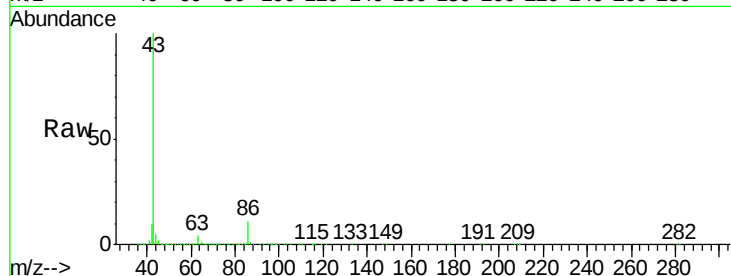




#23
 Vinyl Acetate
 Concen: 228.762 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

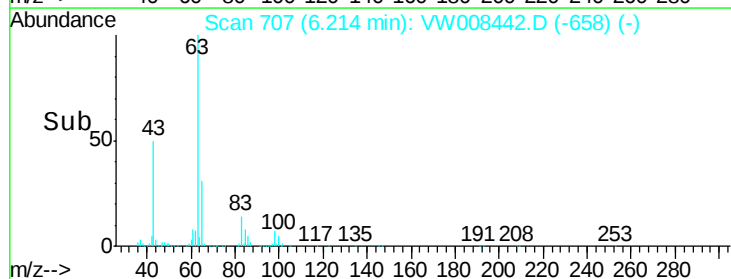
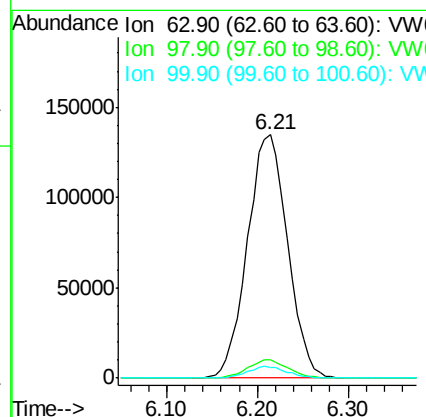
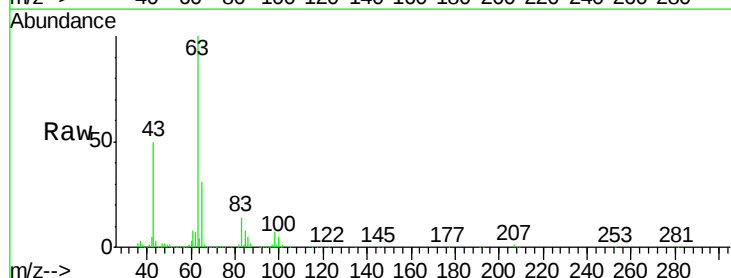
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 1909310
 Ion Ratio Lower Upper
 43 100
 86 10.5 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 51.600 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Tgt Ion: 63 Resp: 412848
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.5 10.5
 100 4.6 2.1 6.2





#25

2-Butanone

Concen: 240.656 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampled :

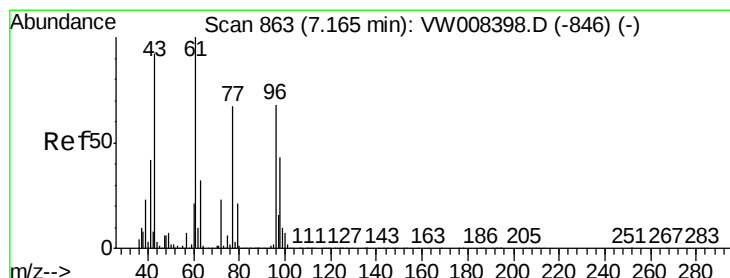
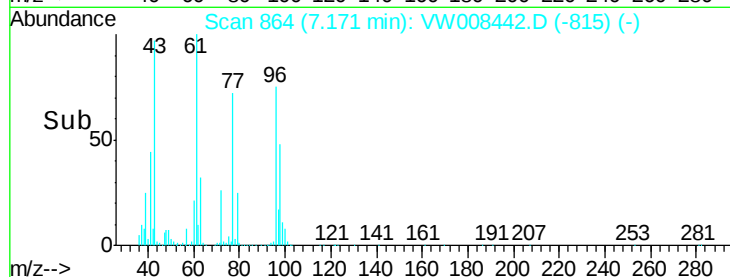
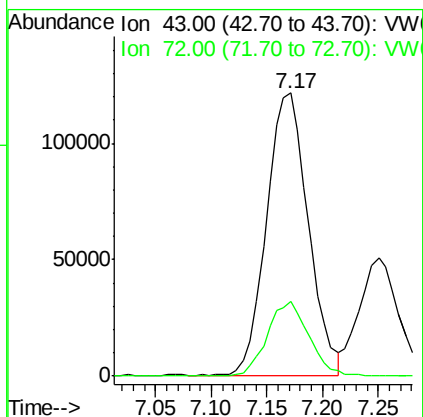
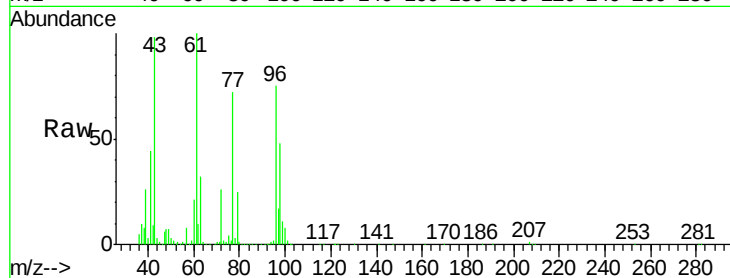
VSTDCCC050

Tgt Ion: 43 Resp: 316429

Ion Ratio Lower Upper

43 100

72 26.3 20.1 30.1



#26

2,2-Dichloropropane

Concen: 54.100 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW008442.D

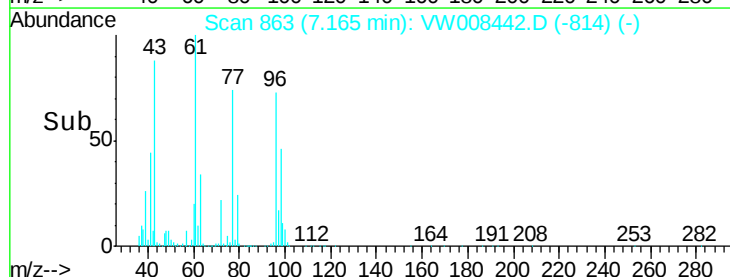
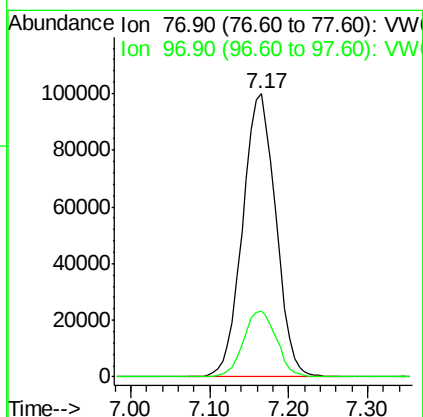
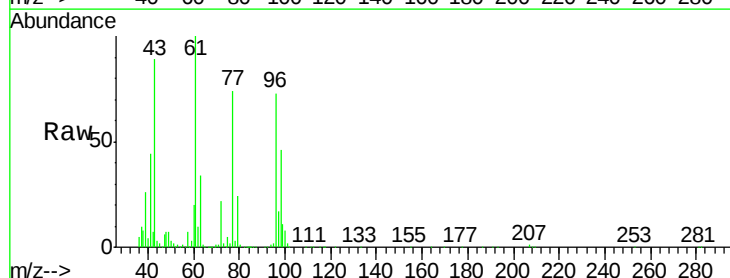
Acq: 29 Jan 2019 10:21

Tgt Ion: 77 Resp: 292577

Ion Ratio Lower Upper

77 100

97 23.2 11.5 34.5



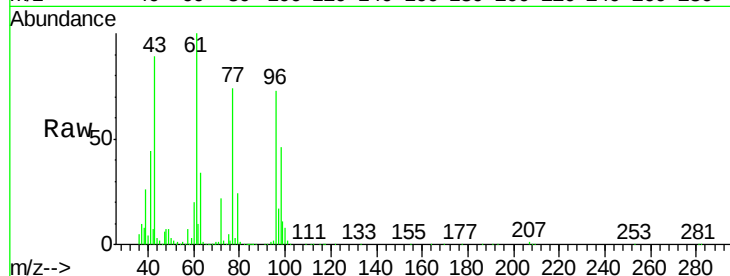


#27

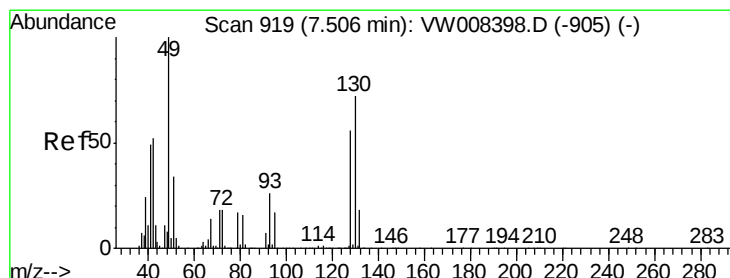
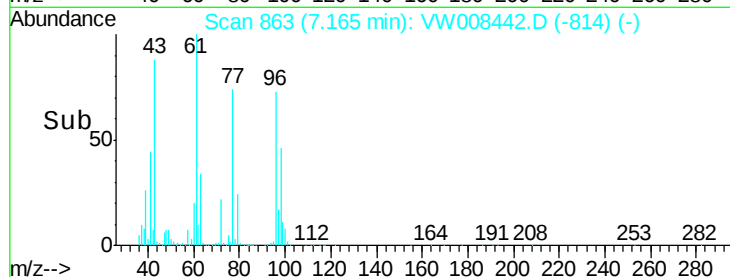
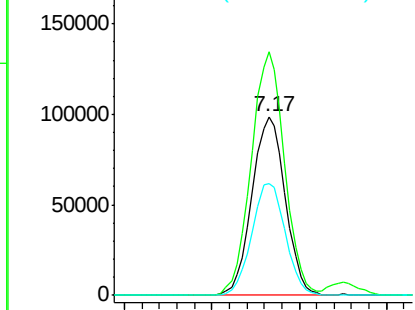
cis-1,2-Dichloroethene
Concen: 53.911 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 259431
Ion Ratio Lower Upper
96 100
61 137.2 0.0 292.8
98 63.8 0.0 129.2



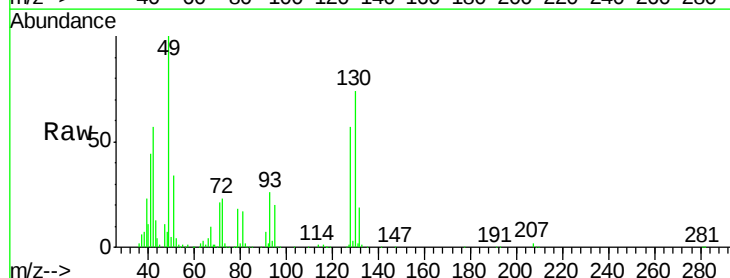
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



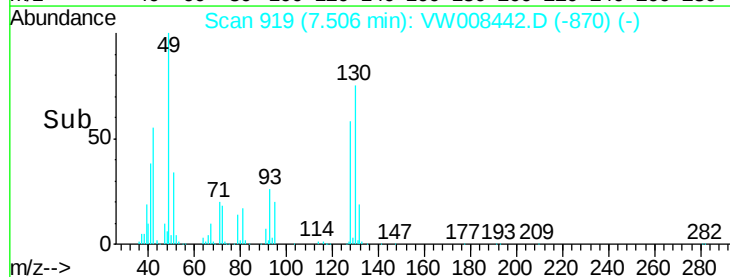
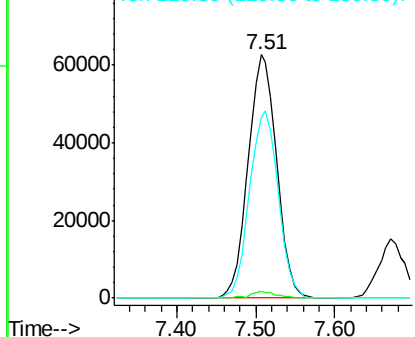
#28

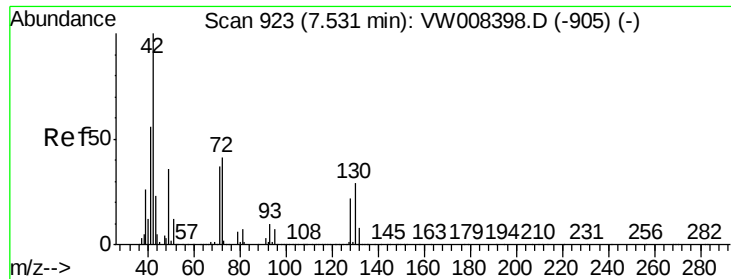
Bromochloromethane
Concen: 42.923 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion: 49 Resp: 157734
Ion Ratio Lower Upper
49 100
129 2.5 0.0 4.6
130 77.5 58.6 87.8



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

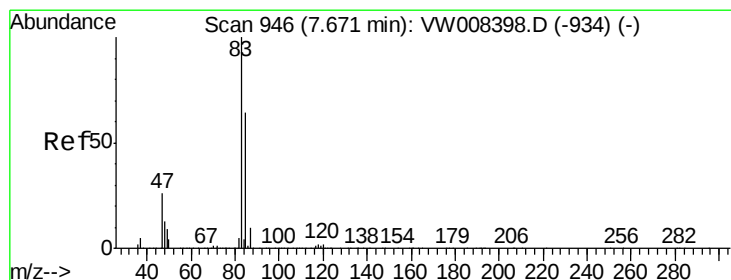
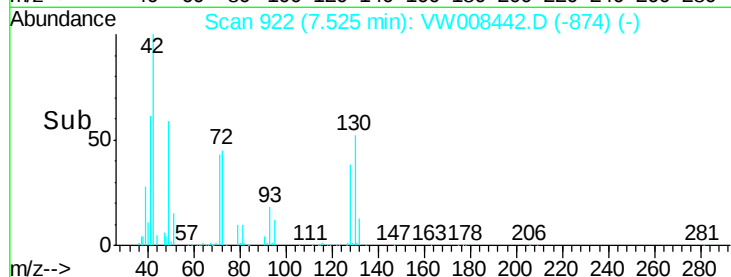
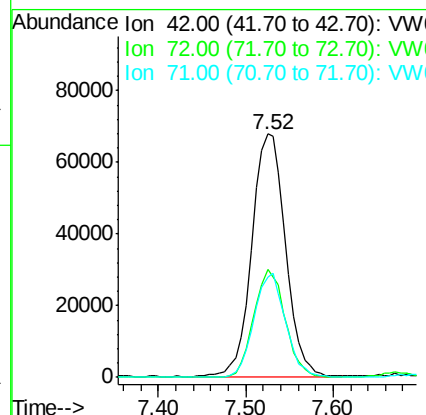
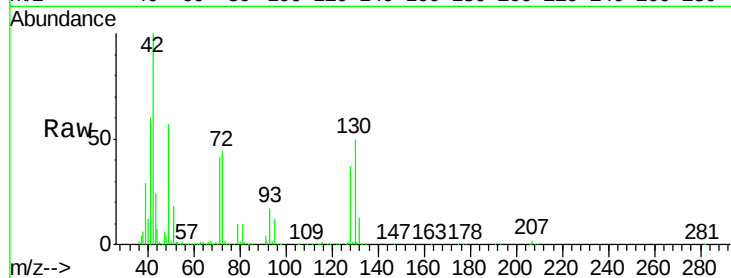




#29
Tetrahydrofuran
Concen: 218.347 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

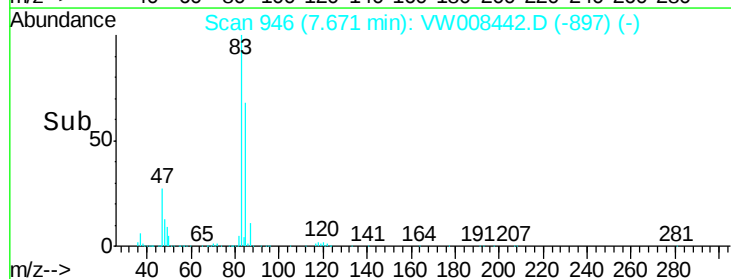
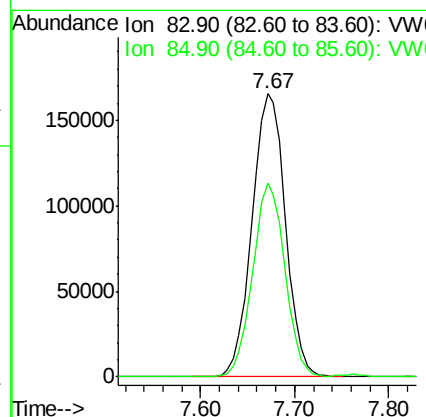
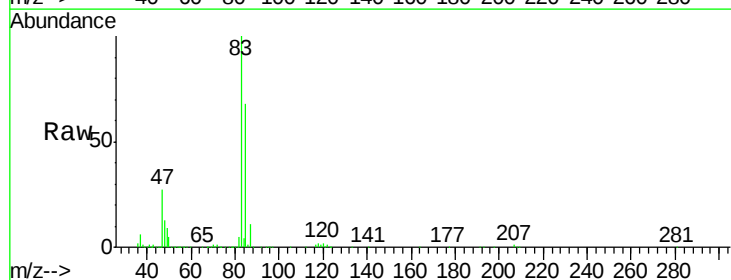
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

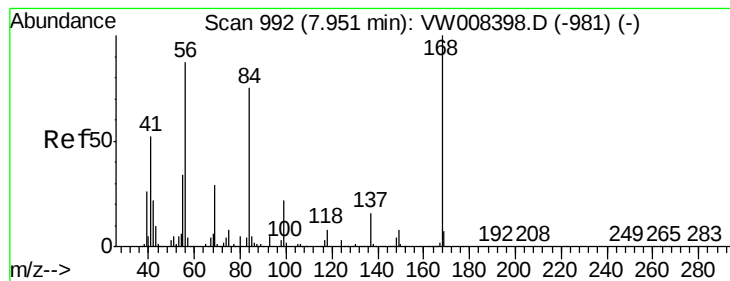
Tgt Ion: 42 Resp: 181933
Ion Ratio Lower Upper
42 100
72 41.6 31.9 47.9
71 40.3 29.9 44.9



#30
Chloroform
Concen: 51.933 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion: 83 Resp: 408691
Ion Ratio Lower Upper
83 100
85 68.5 50.9 76.3





#31

Cyclohexane

Concen: 46.885 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

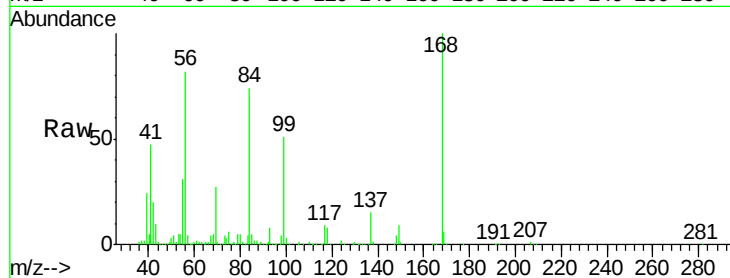
Tgt Ion: 56 Resp: 387882

Ion Ratio Lower Upper

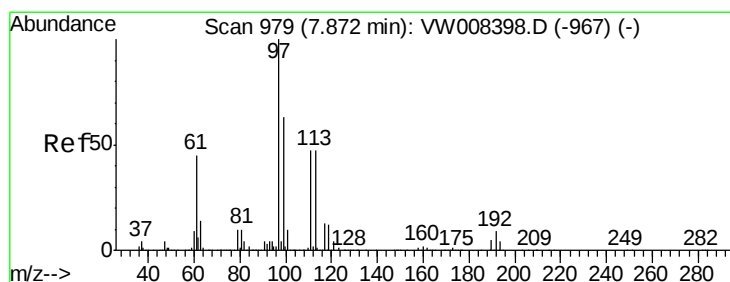
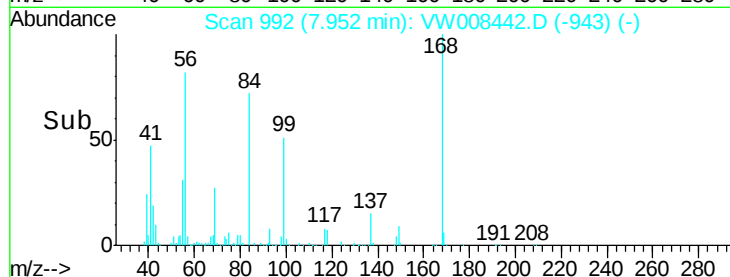
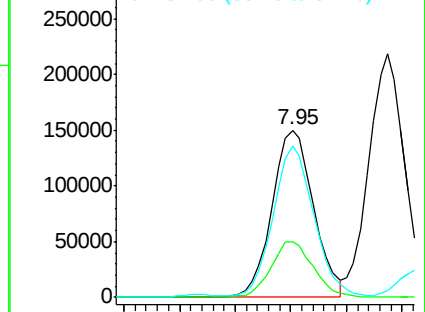
56 100

69 33.2 26.4 39.6

84 89.0 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: 54.794 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

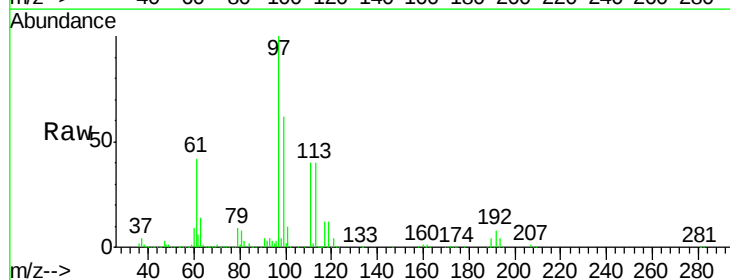
Tgt Ion: 97 Resp: 372448

Ion Ratio Lower Upper

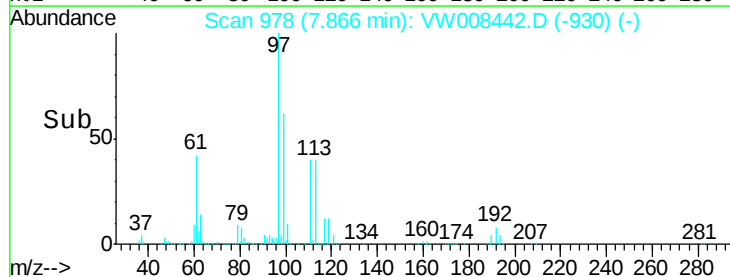
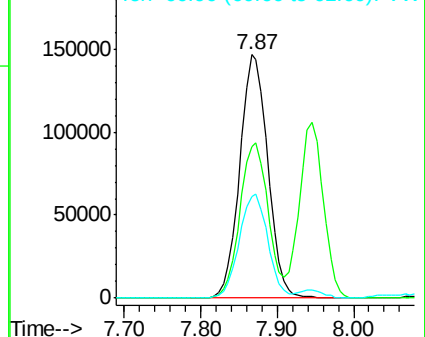
97 100

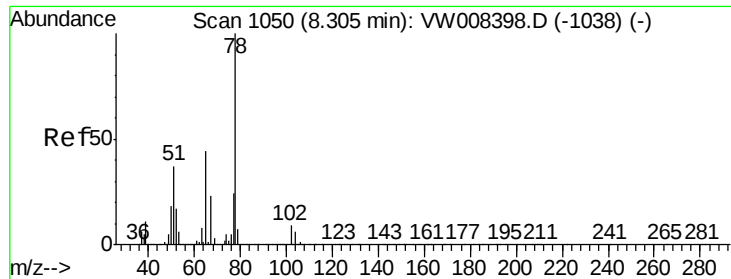
99 64.5 51.3 76.9

61 43.7 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: 51.418 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

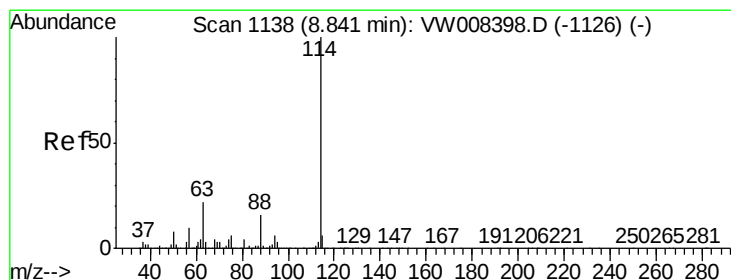
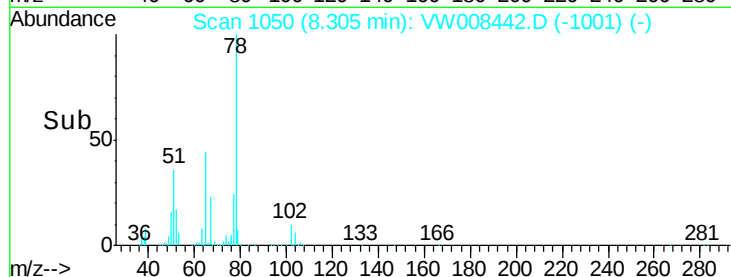
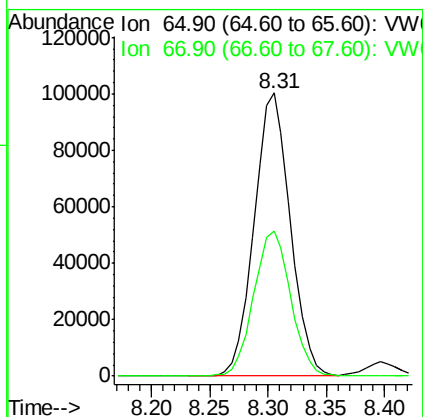
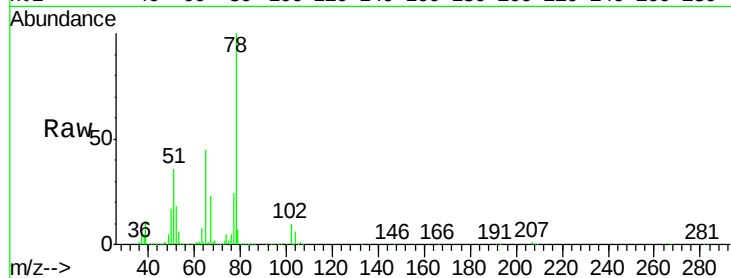
VSTDCCC050

Tgt Ion: 65 Resp: 216748

Ion Ratio Lower Upper

65 100

67 52.7 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: VW008442.D

Acq: 29 Jan 2019 10:21

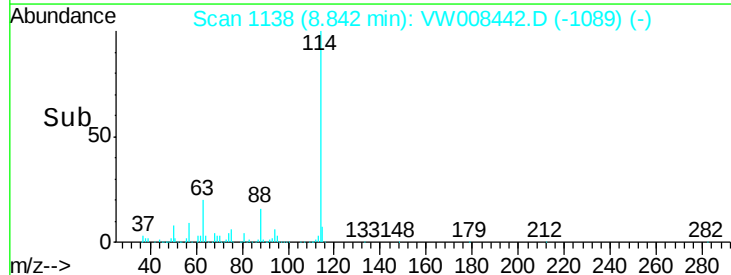
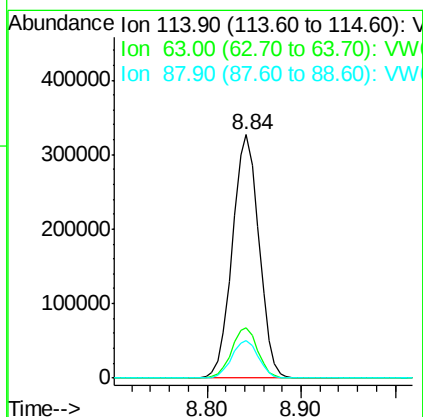
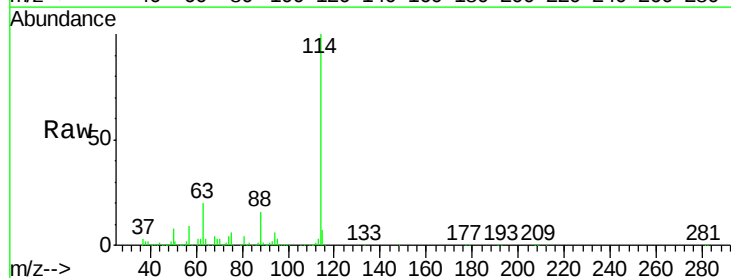
Tgt Ion: 114 Resp: 639424

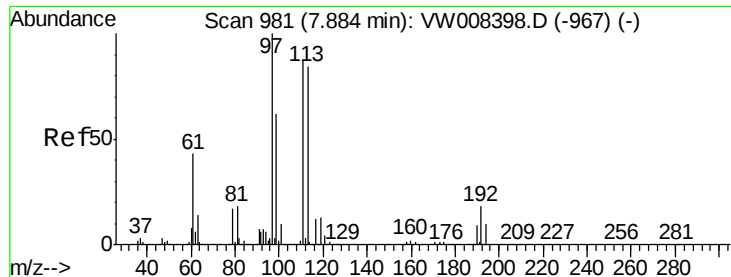
Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.6

88 15.7 0.0 31.8

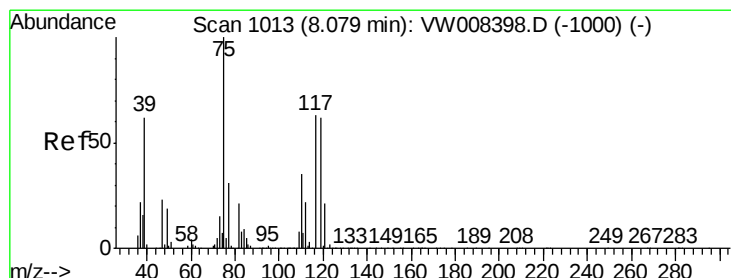
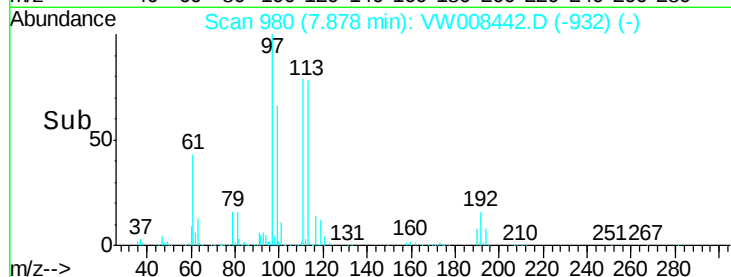
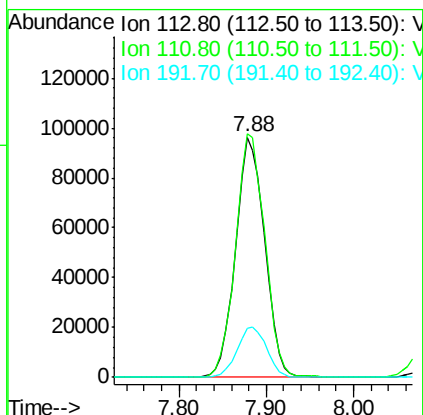
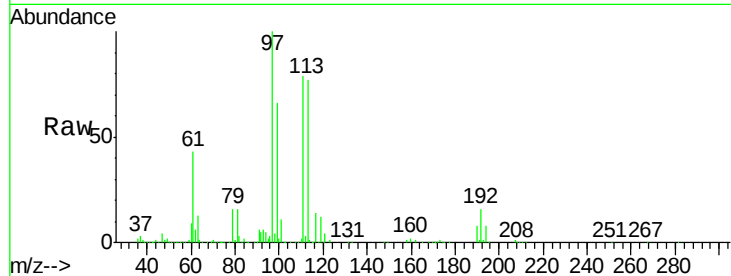




#35
 Dibromofluoromethane
 Concen: 59.746 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

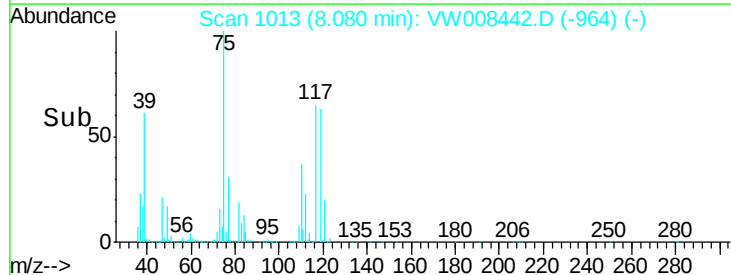
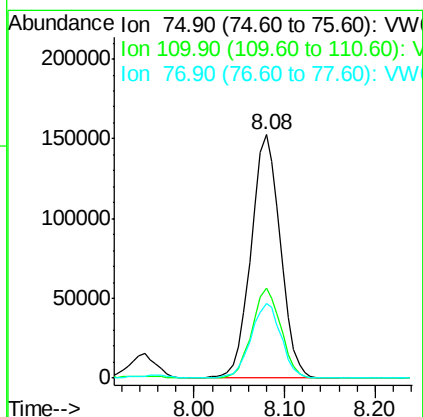
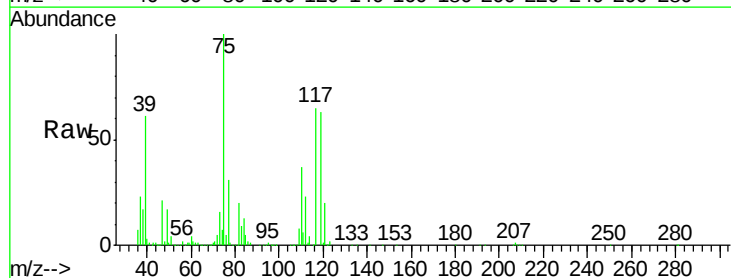
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

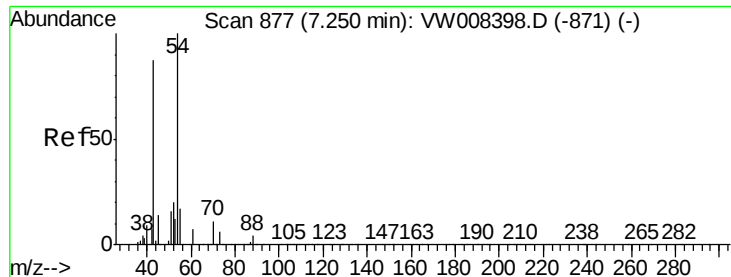
Tgt Ion: 113 Resp: 223385
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.0 121.4
 192 21.5 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 56.423 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Tgt Ion: 75 Resp: 340801
 Ion Ratio Lower Upper
 75 100
 110 36.4 17.3 52.0
 77 31.4 24.7 37.1

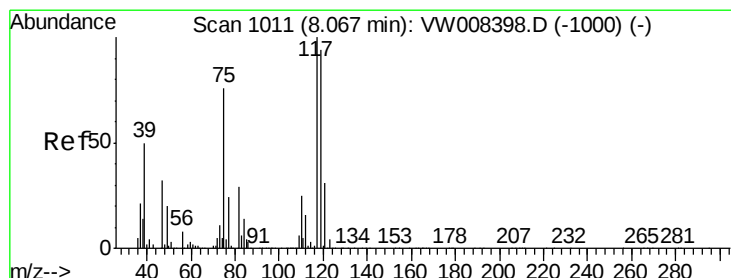
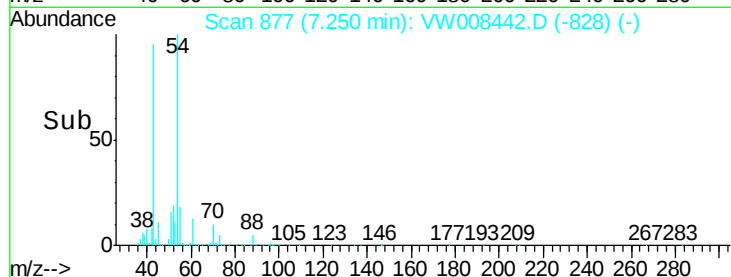
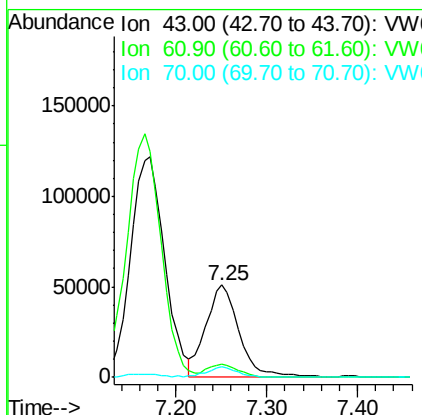
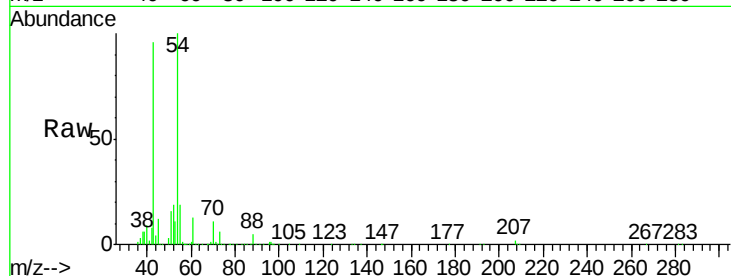




#37
Ethyl Acetate
Concen: 47.680 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

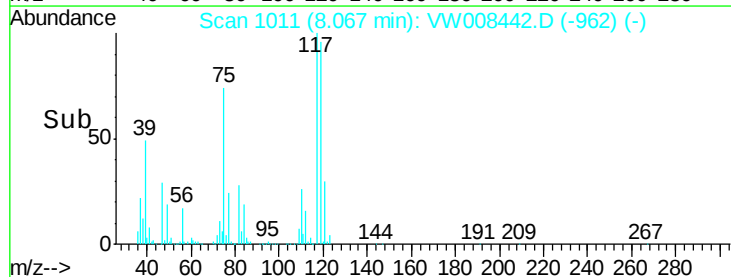
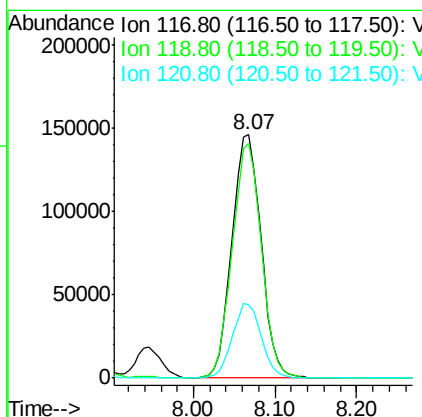
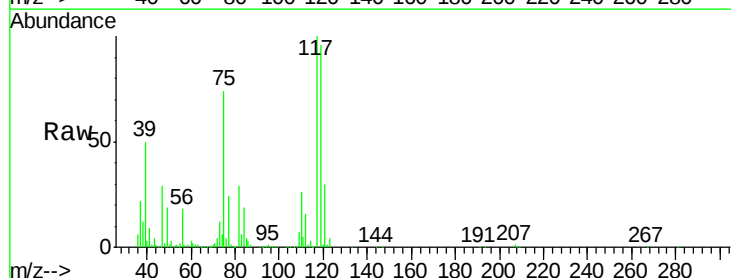
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

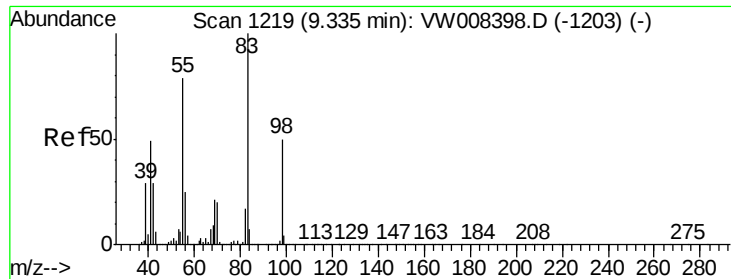
Tgt Ion: 43 Resp: 127414
Ion Ratio Lower Upper
43 100
61 13.4 10.1 15.1
70 10.9 7.8 11.6



#38
Carbon Tetrachloride
Concen: 59.345 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion: 117 Resp: 360705
Ion Ratio Lower Upper
117 100
119 96.2 75.0 112.4
121 30.1 24.9 37.3

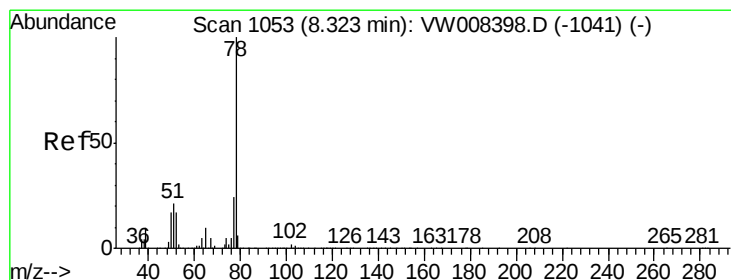
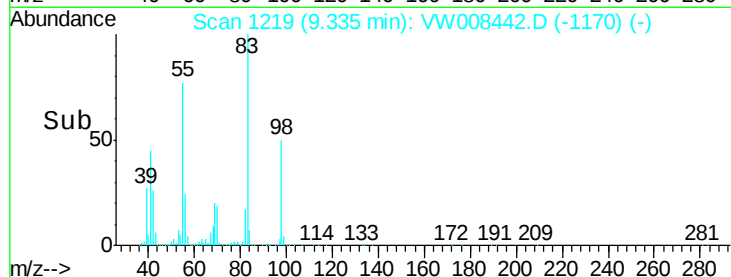
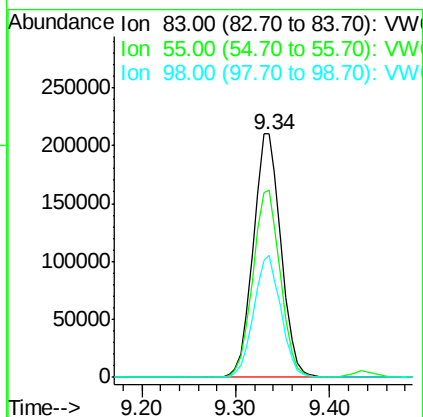
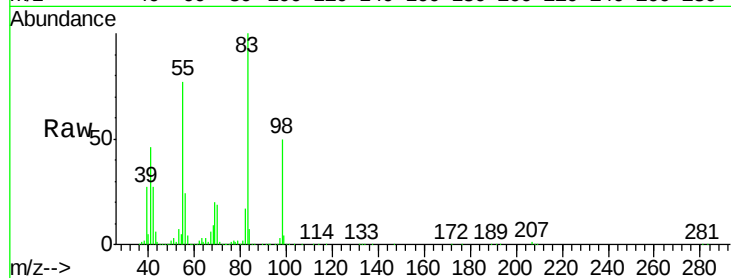




#39
Methylcyclohexane
Concen: 54.865 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

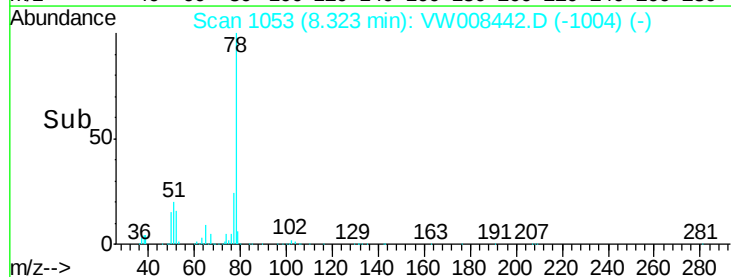
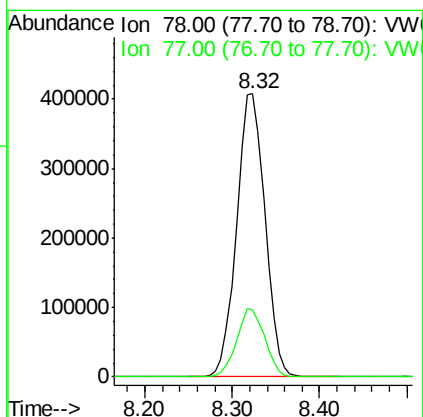
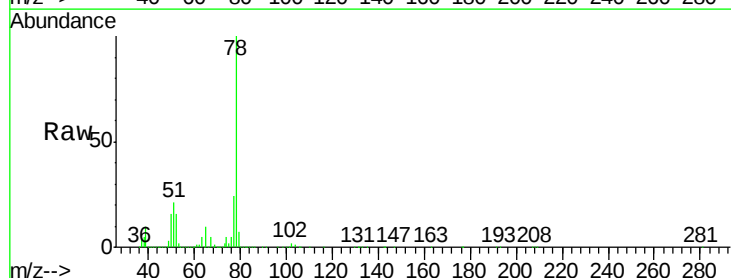
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tgt Ion: 83 Resp: 435340
Ion Ratio Lower Upper
83 100
55 76.6 63.3 94.9
98 49.9 39.7 59.5



#40
Benzene
Concen: 54.821 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion: 78 Resp: 918818
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6





#41

Methacrylonitrile

Concen: 49.572 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 78438

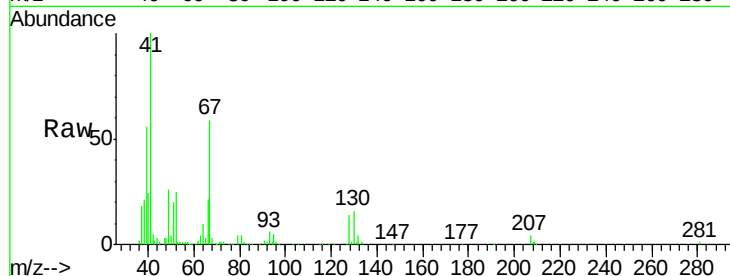
Ion Ratio Lower Upper

41 100

39 56.0 43.4 65.0

67 66.9 54.2 81.2

52 29.3 22.9 34.3

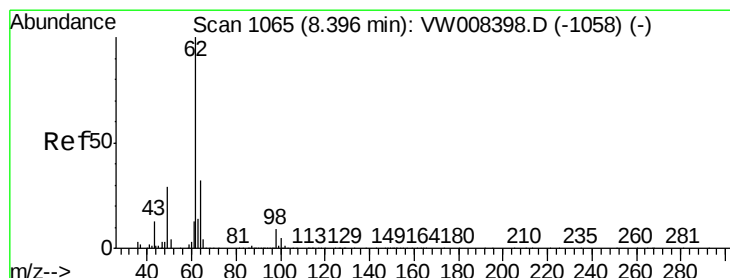
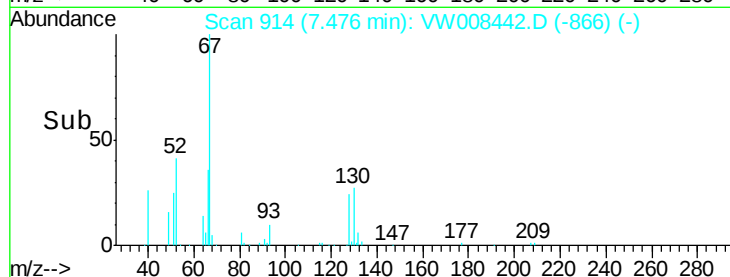
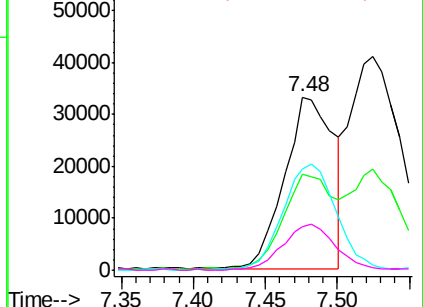


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 52.119 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW008442.D

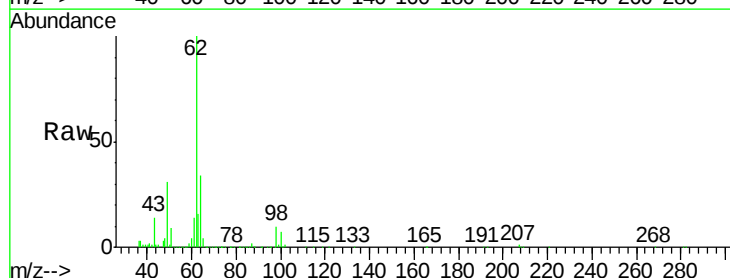
Acq: 29 Jan 2019 10:21

Tgt Ion: 62 Resp: 253149

Ion Ratio Lower Upper

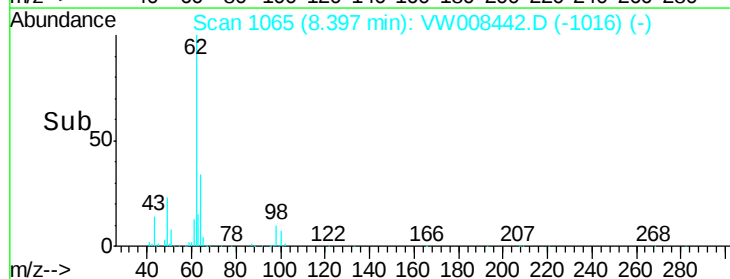
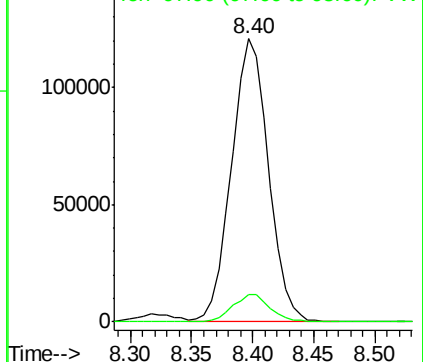
62 100

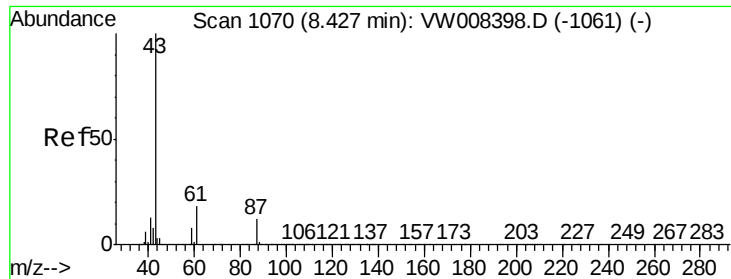
98 10.0 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 47.163 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

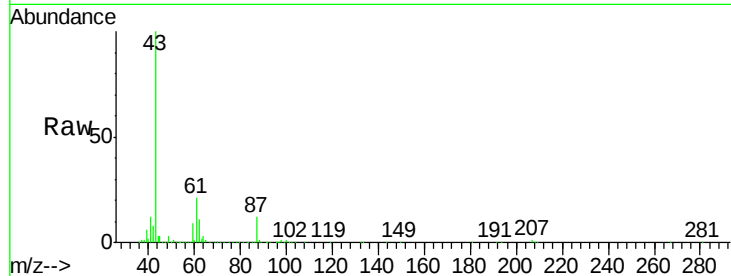
Tgt Ion: 43 Resp: 261837

Ion Ratio Lower Upper

43 100

61 29.1 22.0 33.0

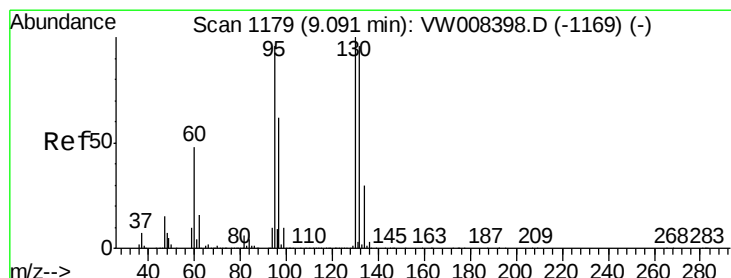
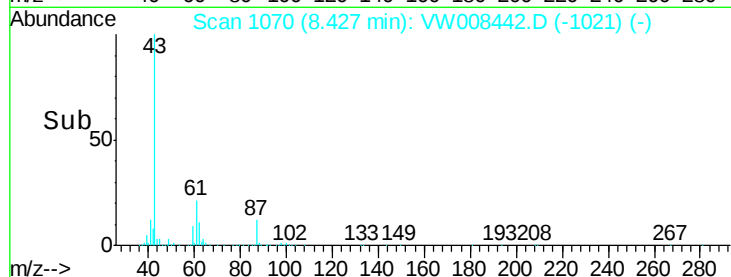
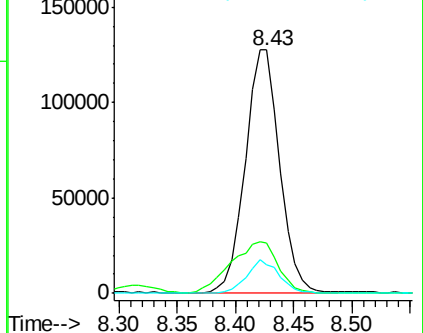
87 13.0 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 57.909 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008442.D

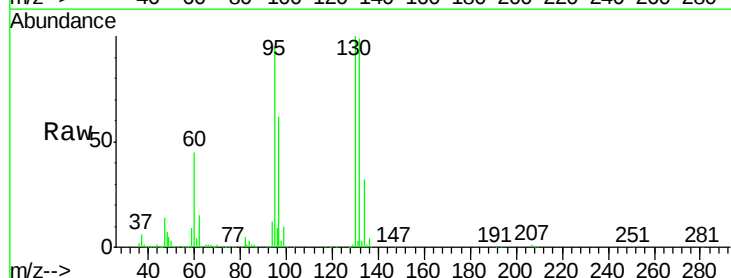
Acq: 29 Jan 2019 10:21

Tgt Ion: 130 Resp: 263935

Ion Ratio Lower Upper

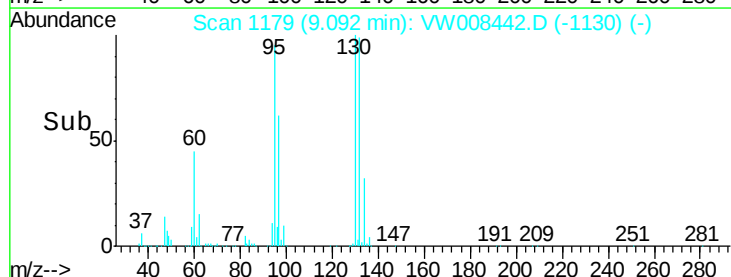
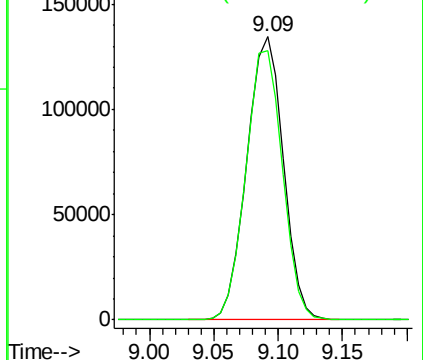
130 100

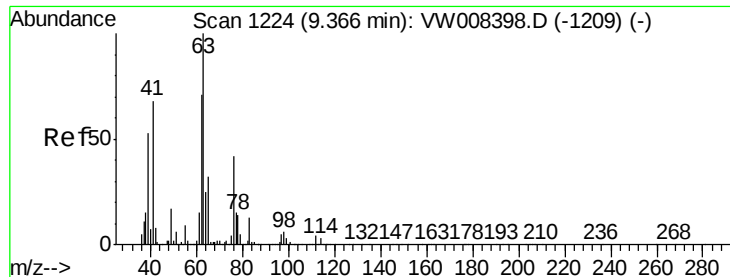
95 95.1 0.0 191.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 52.837 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

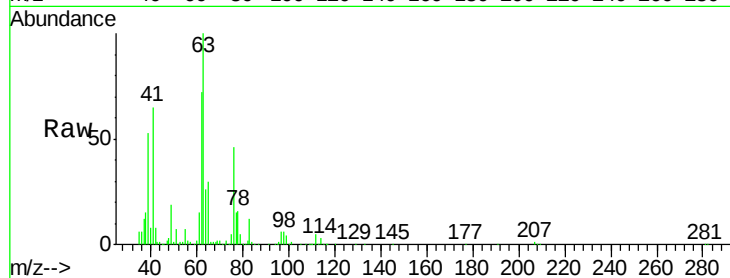
VSTDCCC050

Tgt Ion: 63 Resp: 220807

Ion Ratio Lower Upper

63 100

65 30.3 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

120000

100000

80000

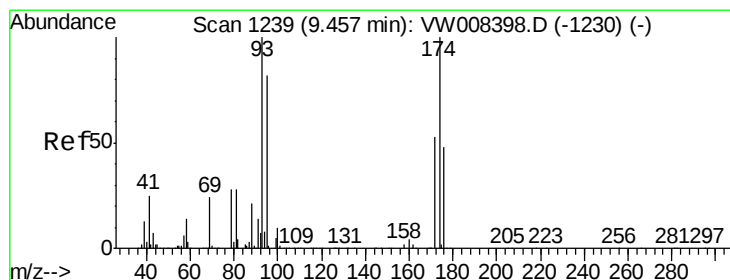
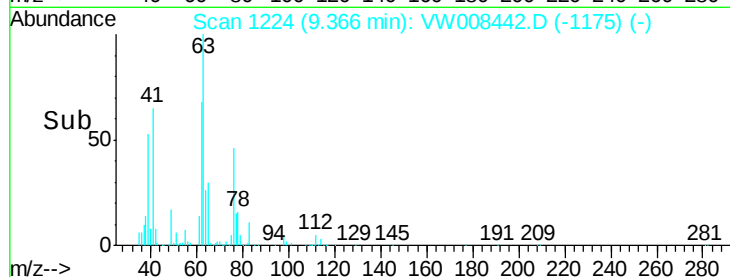
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 51.983 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

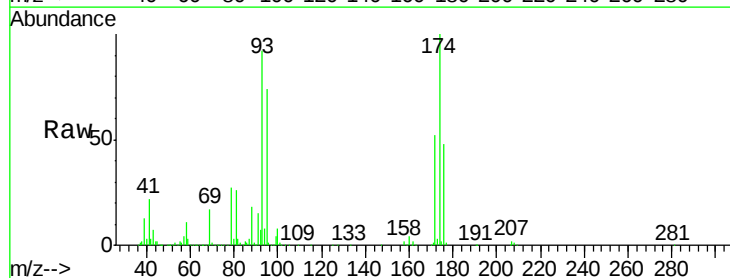
Tgt Ion: 93 Resp: 111733

Ion Ratio Lower Upper

93 100

95 81.8 65.9 98.9

174 107.9 81.0 121.6



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

80000

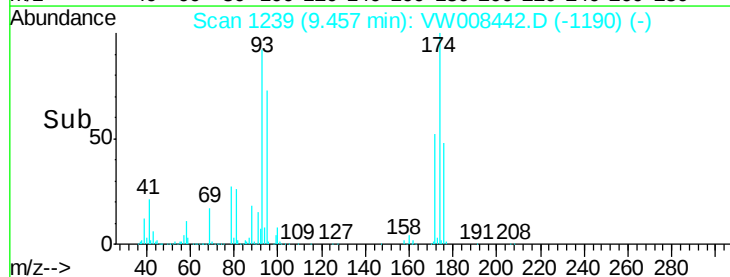
60000

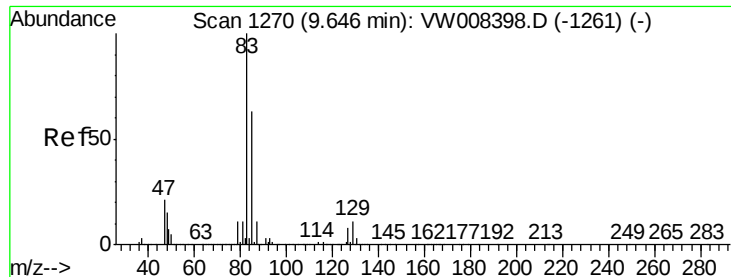
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 53.953 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

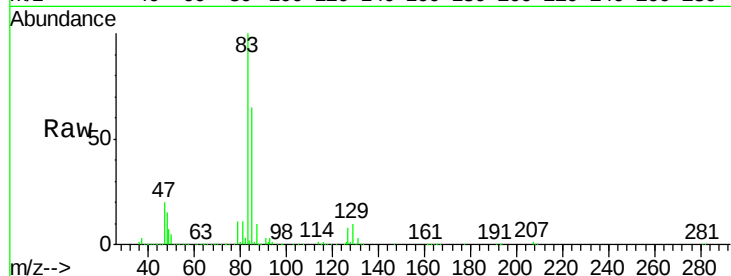
Tgt Ion: 83 Resp: 306735

Ion Ratio Lower Upper

83 100

85 64.7 50.8 76.2

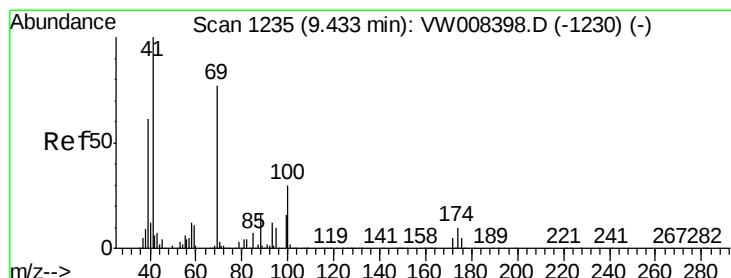
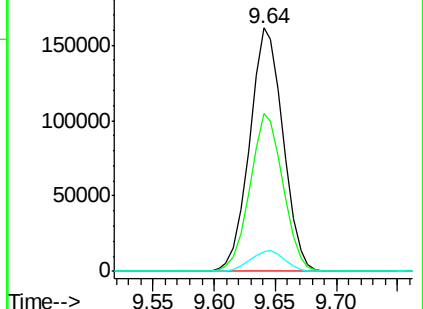
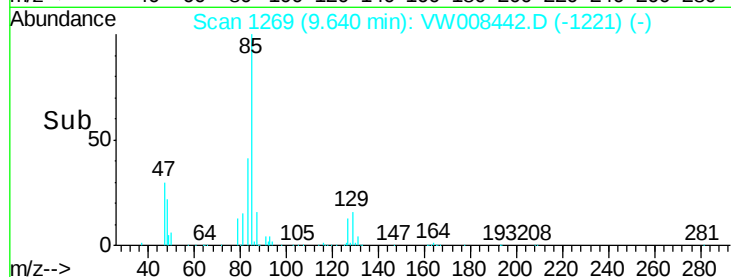
127 8.3 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 48.843 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

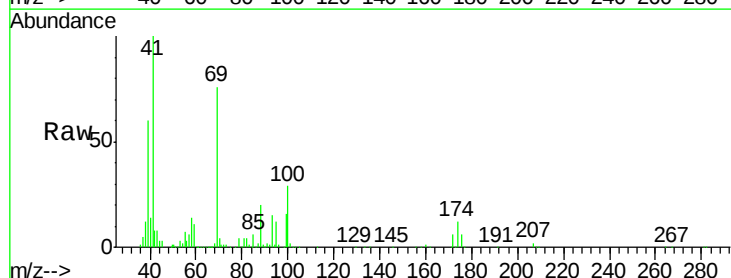
Tgt Ion: 41 Resp: 132589

Ion Ratio Lower Upper

41 100

69 78.6 64.8 97.2

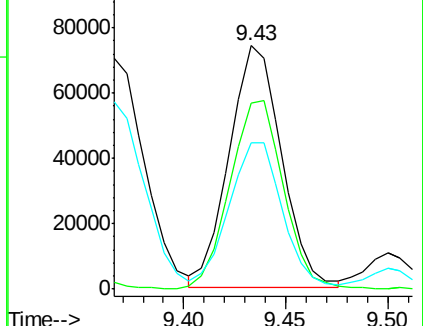
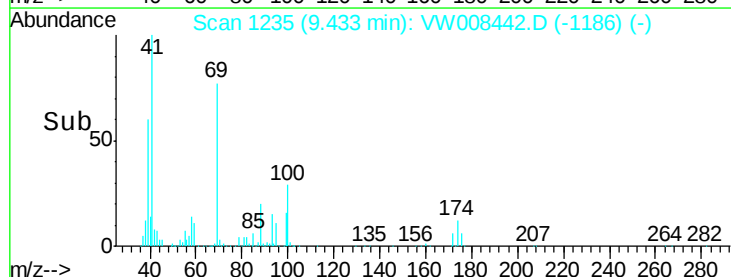
39 57.8 49.1 73.7

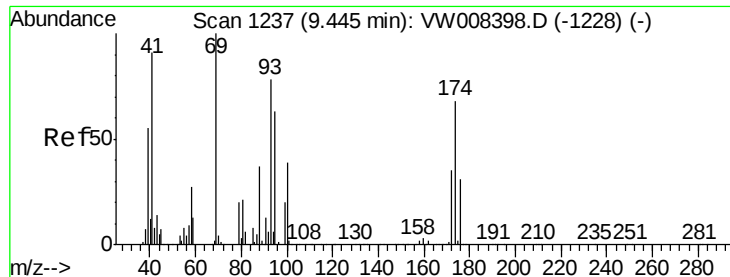


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

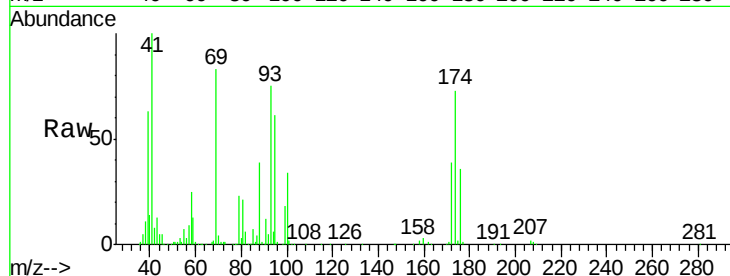




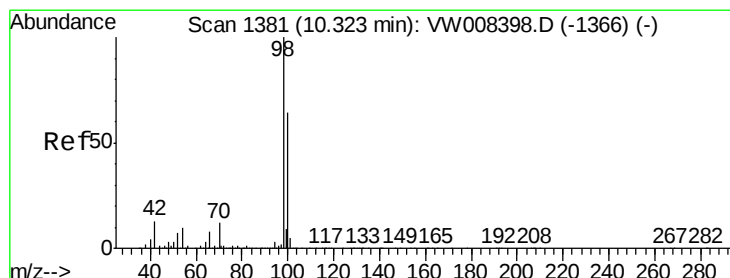
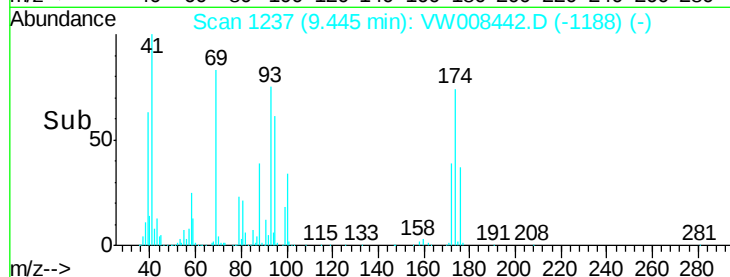
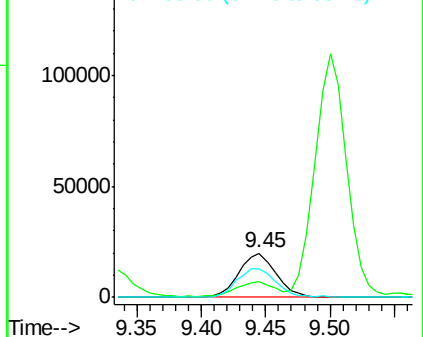
#49
1,4-Dioxane
Concen: 1092.320 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 39686
Ion Ratio Lower Upper
88 100
43 32.7 29.0 43.4
58 70.5 56.4 84.6

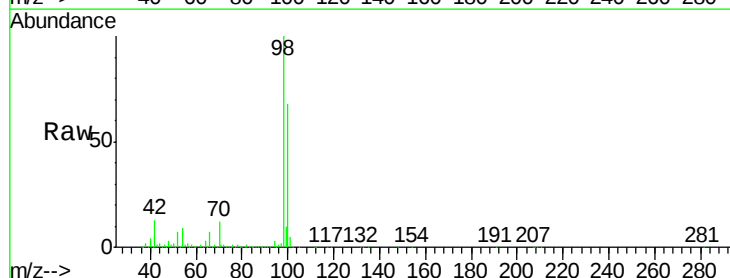


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

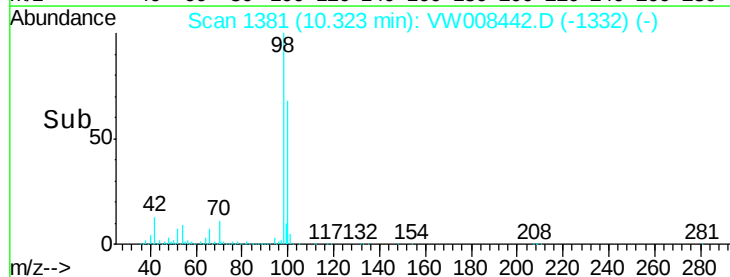
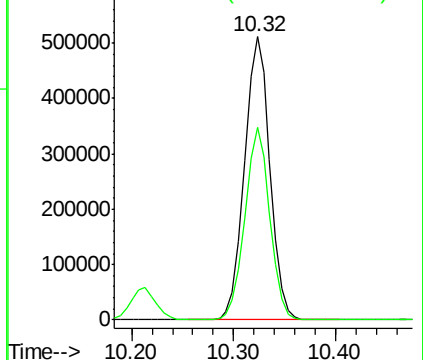


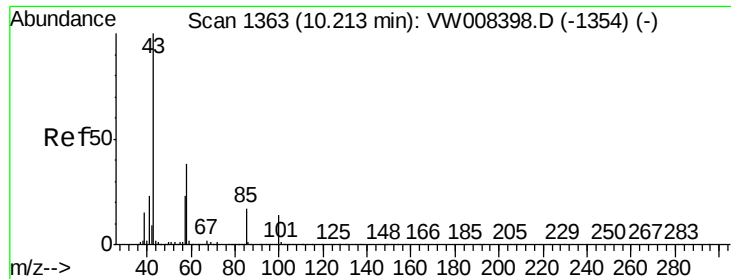
#50
Toluene-d8
Concen: 58.903 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion: 98 Resp: 883151
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8



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

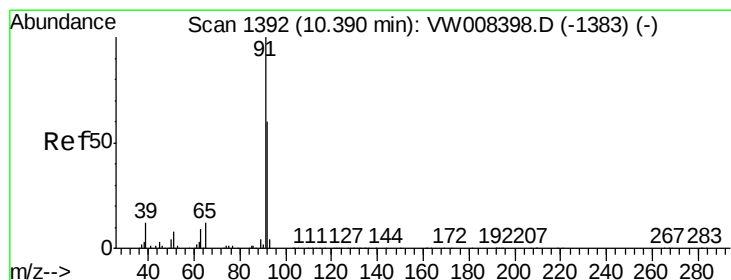
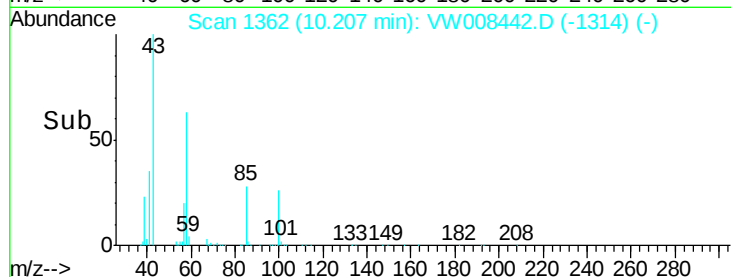
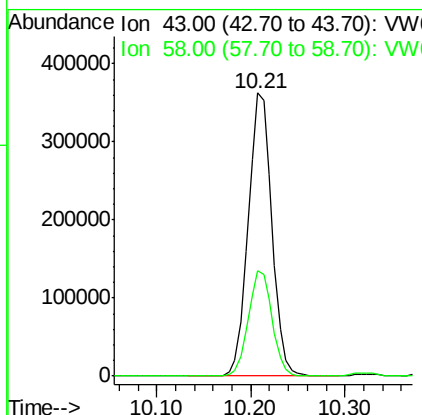
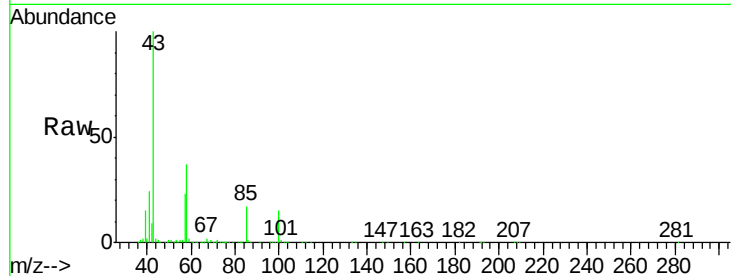




#51
 4-Methyl-2-Pentanone
 Concen: 231.931 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

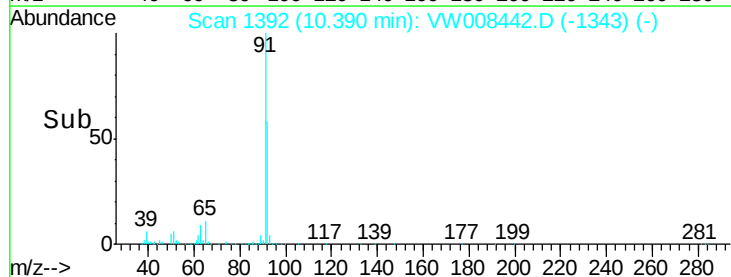
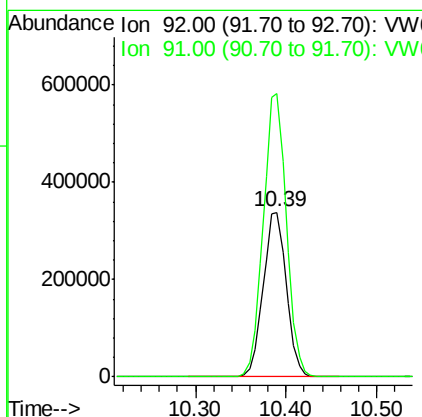
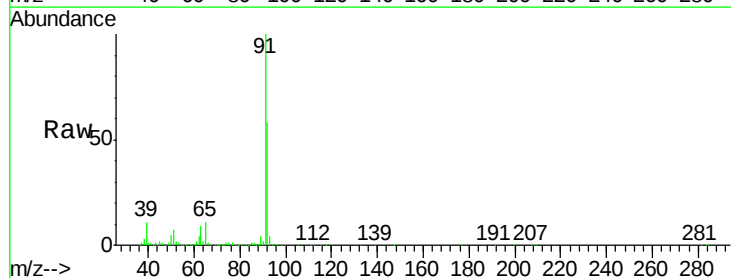
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

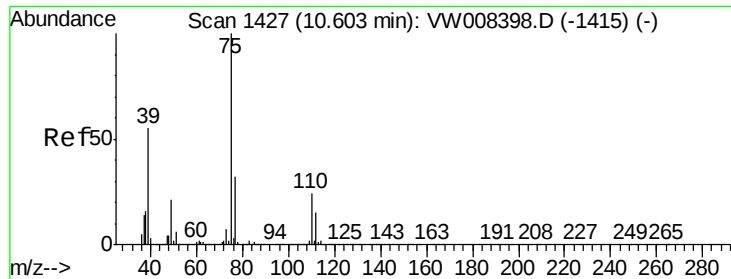
Tgt Ion: 43 Resp: 636129
 Ion Ratio Lower Upper
 43 100
 58 37.5 29.7 44.5



#52
 Toluene
 Concen: 54.074 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Tgt Ion: 92 Resp: 598267
 Ion Ratio Lower Upper
 92 100
 91 171.3 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 51.964 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

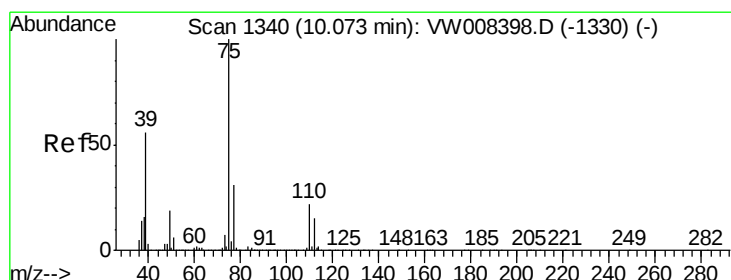
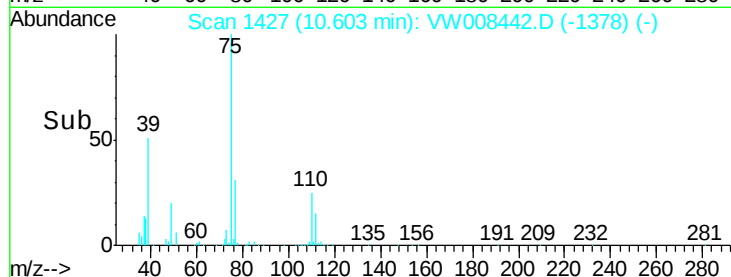
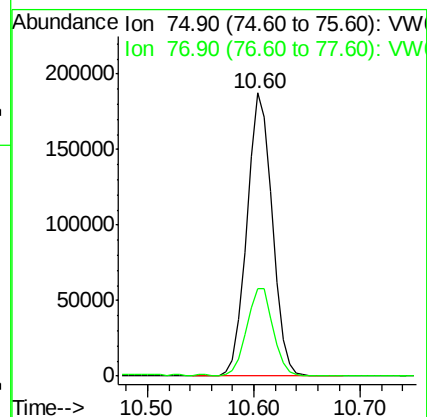
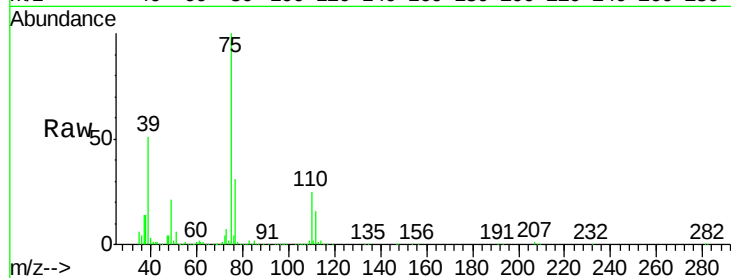
VSTDCCC050

Tgt Ion: 75 Resp: 314357

Ion Ratio Lower Upper

75 100

77 30.9 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 53.102 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

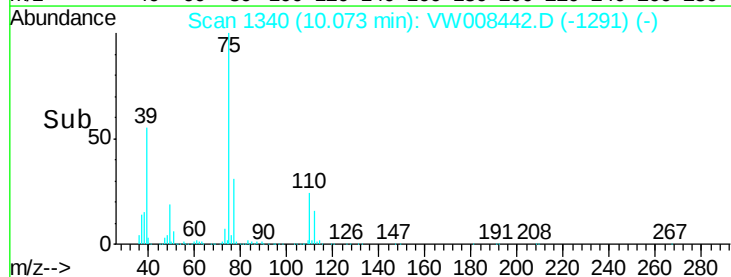
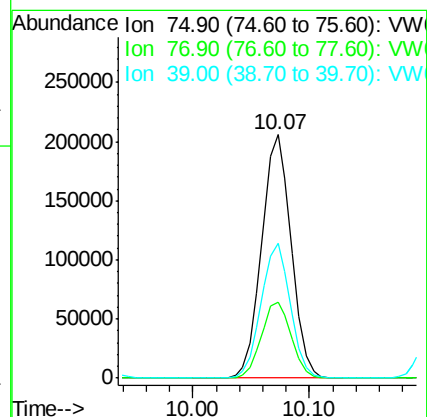
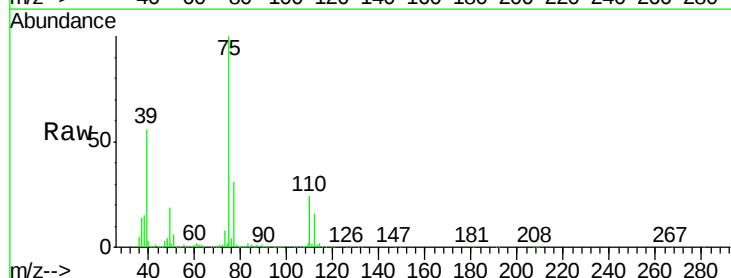
Tgt Ion: 75 Resp: 364562

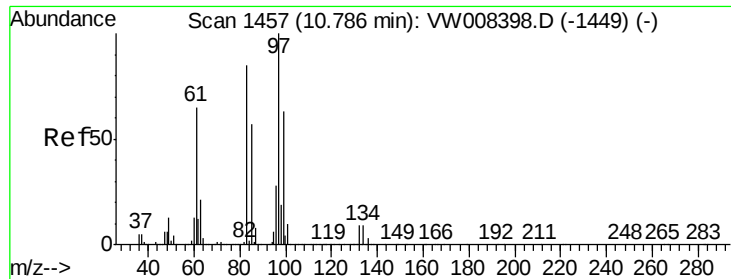
Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4

39 55.4 44.9 67.3

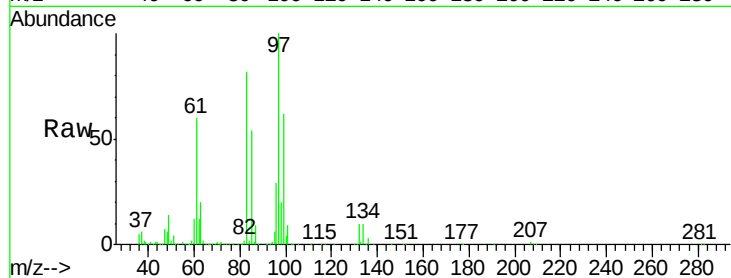




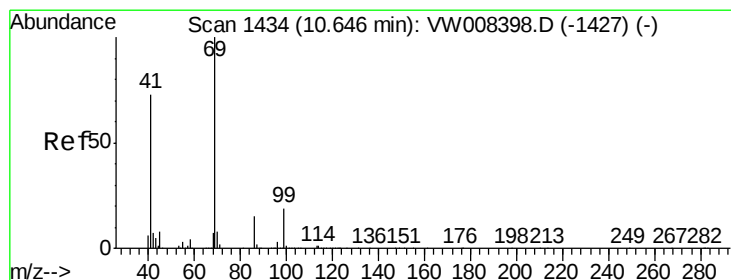
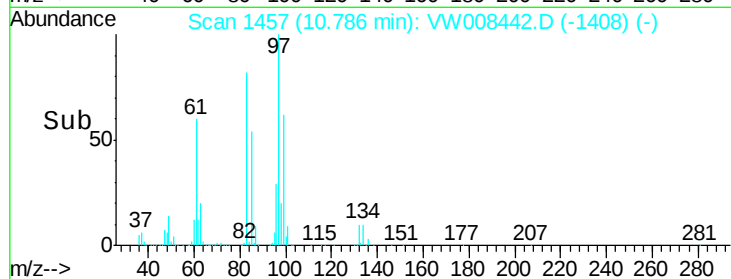
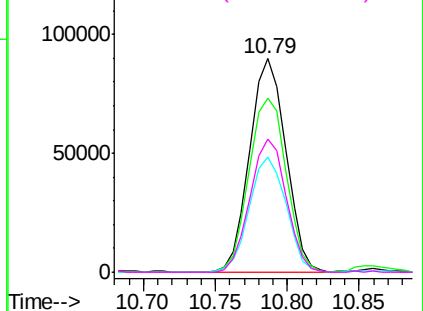
#55
 1,1,2-Trichloroethane
 Concen: 52.534 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	156624
Ion	Ratio	Lower	Upper
97	100		
83	81.7	68.4	102.6
85	54.2	45.3	67.9
99	62.2	50.6	76.0

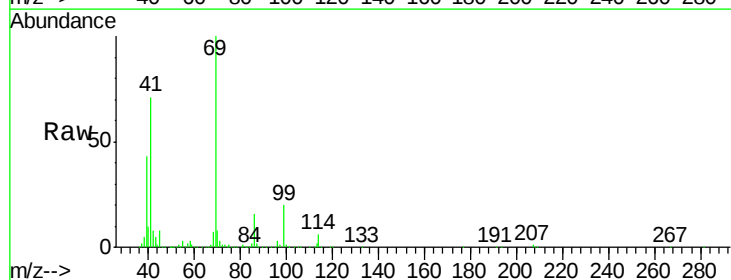


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

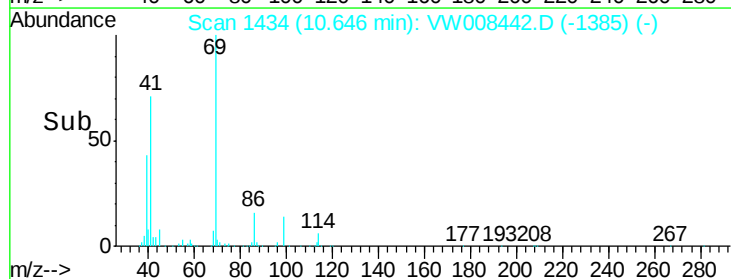
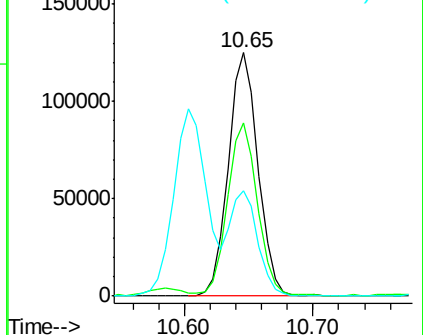


#56
 Ethyl methacrylate
 Concen: 47.794 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Tgt Ion:	69	Resp:	199663
Ion	Ratio	Lower	Upper
69	100		
41	71.6	58.7	88.1
39	40.9	32.6	48.8



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

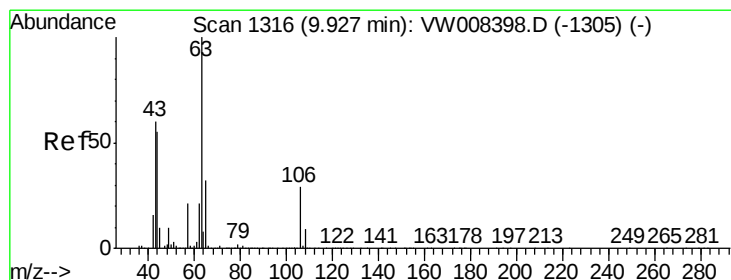
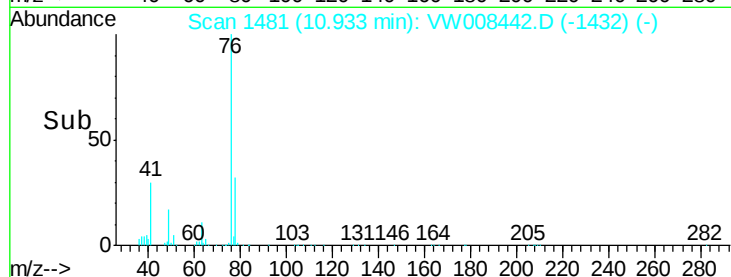
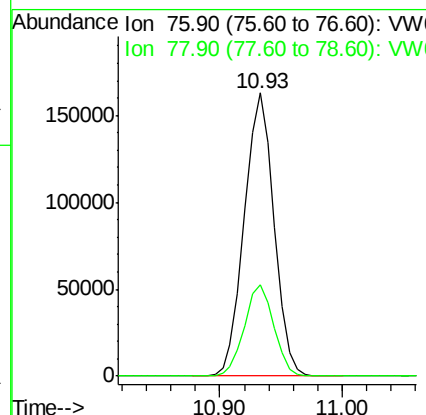
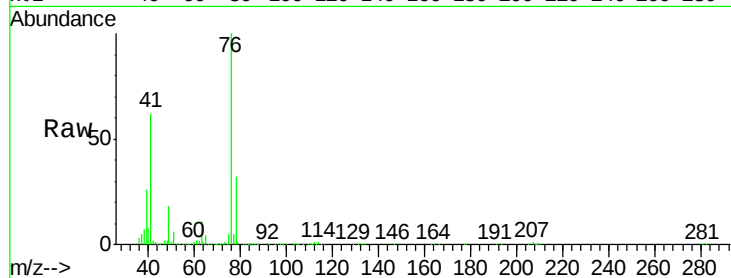




#57
 1,3-Dichloropropane
 Concen: 51.448 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

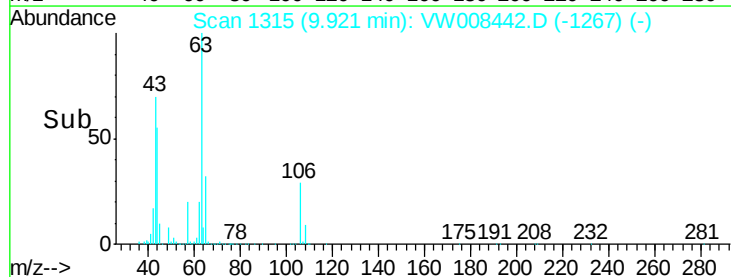
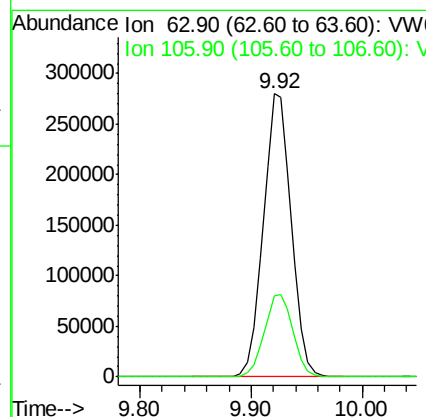
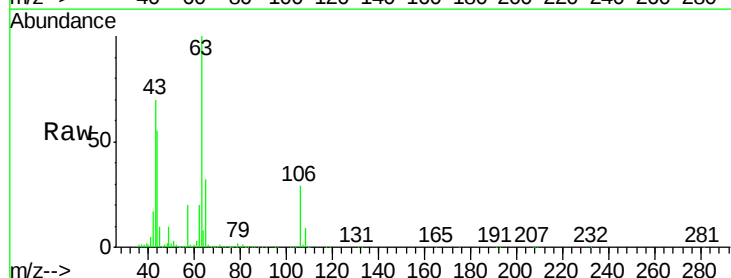
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

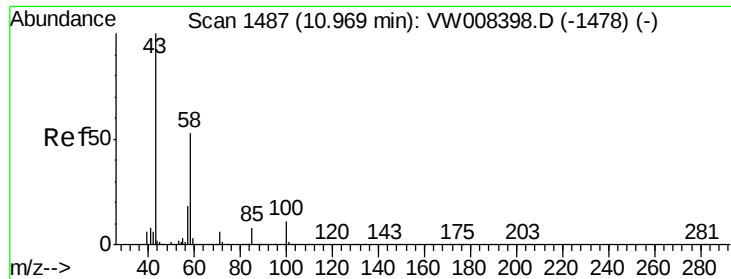
Tgt Ion: 76 Resp: 274792
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.213 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Tgt Ion: 63 Resp: 487573
 Ion Ratio Lower Upper
 63 100
 106 29.8 22.4 33.6

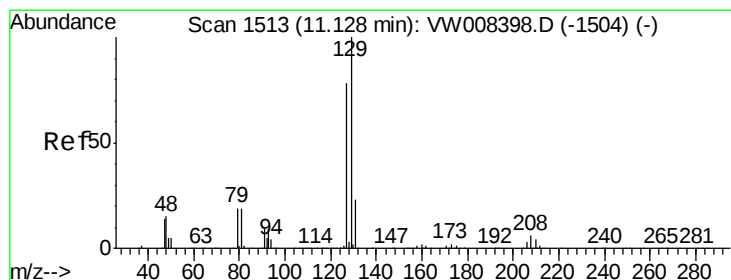
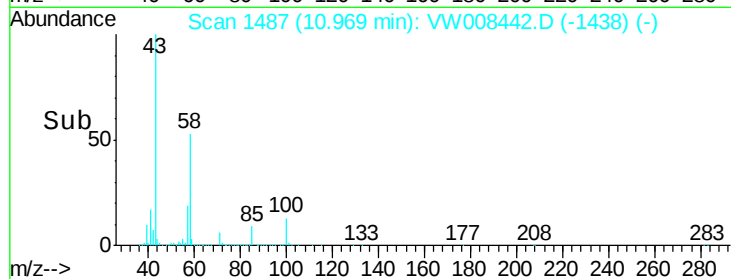
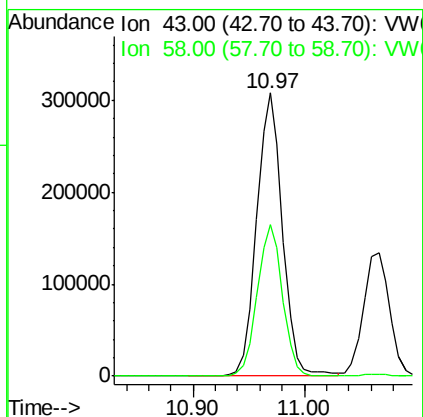
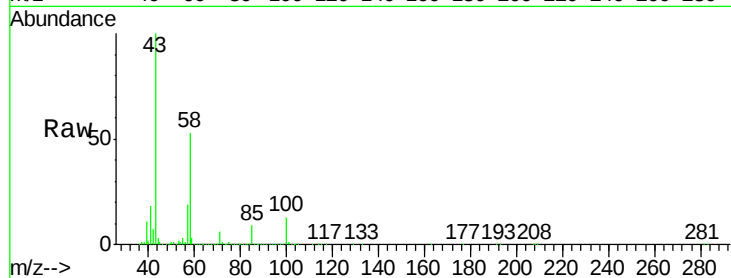




#59
2-Hexanone
Concen: 255.932 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

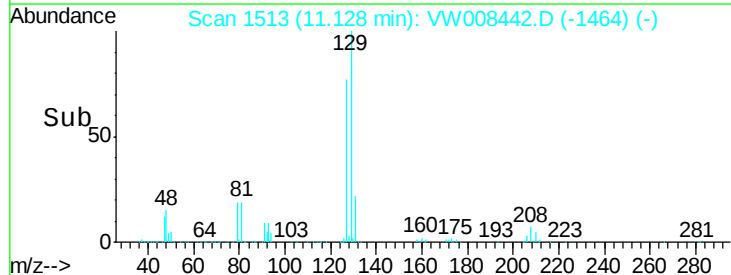
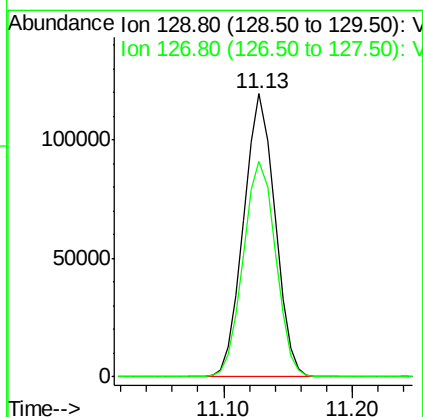
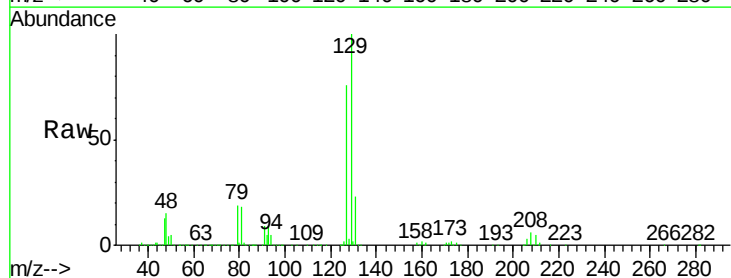
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 495554
Ion Ratio Lower Upper
43 100
58 52.4 25.9 77.7



#60
Dibromochloromethane
Concen: 52.688 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion: 129 Resp: 201865
Ion Ratio Lower Upper
129 100
127 78.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 52.350 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

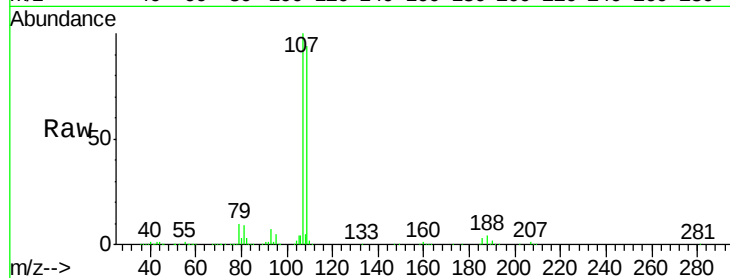
VSTDCCC050

Tgt Ion: 107 Resp: 154754

Ion Ratio Lower Upper

107 100

109 93.3 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

80000

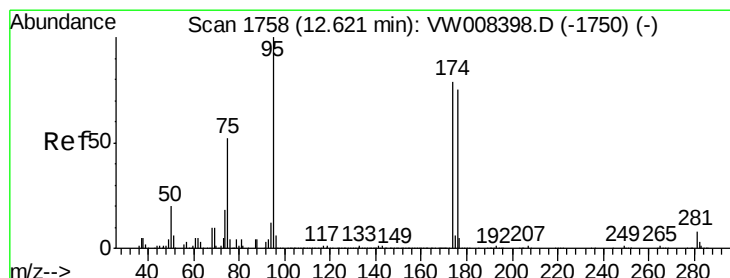
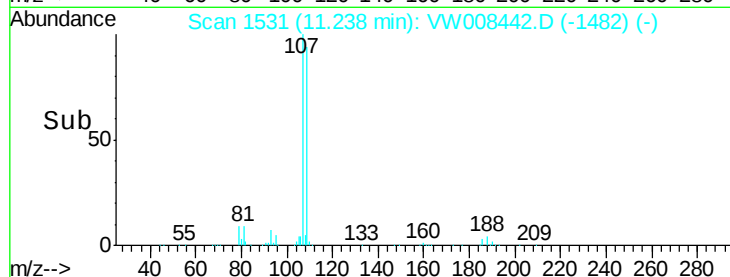
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.041 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

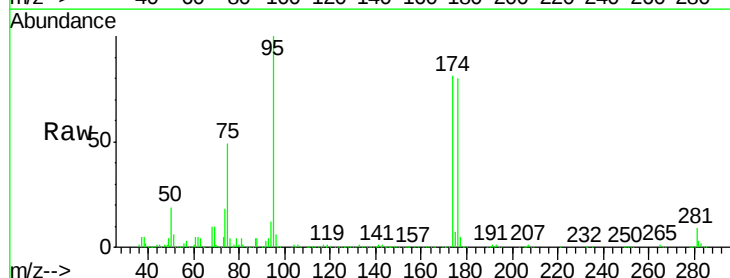
Tgt Ion: 95 Resp: 317212

Ion Ratio Lower Upper

95 100

174 81.3 0.0 157.6

176 79.9 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

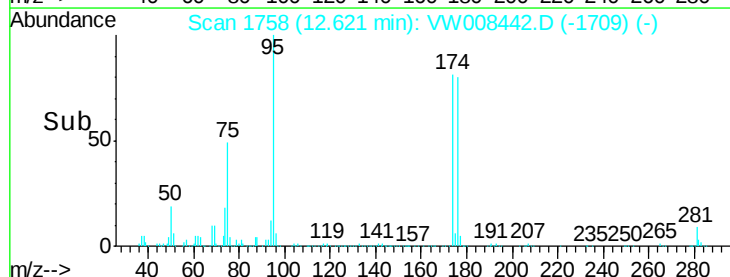
150000

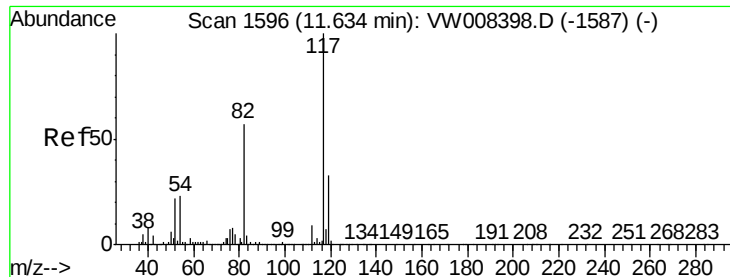
100000

50000

0

Time-->

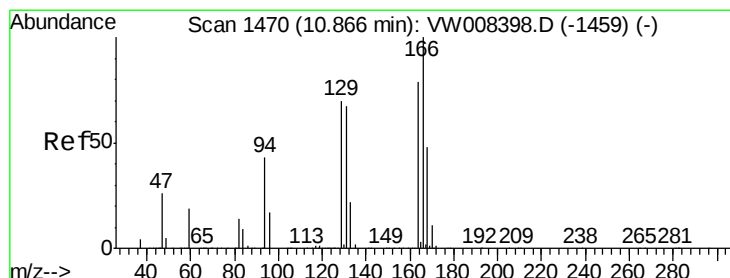
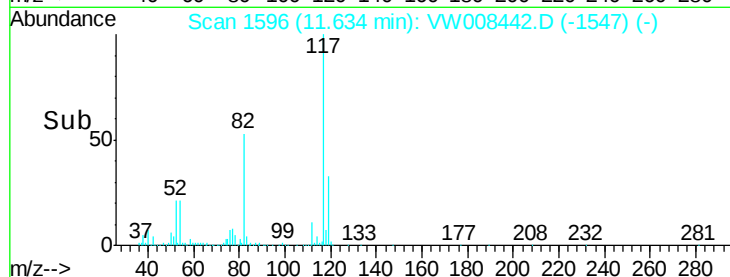
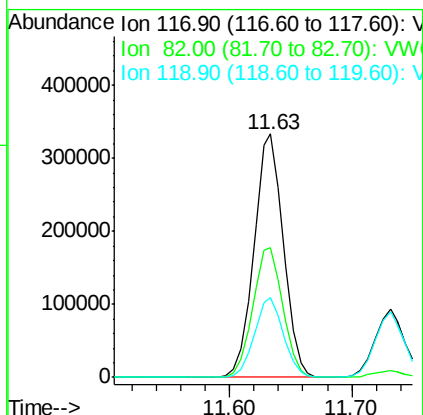
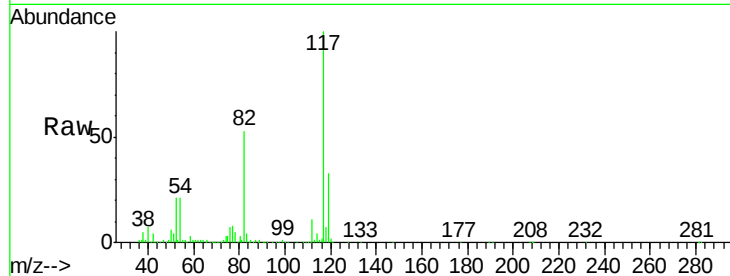




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

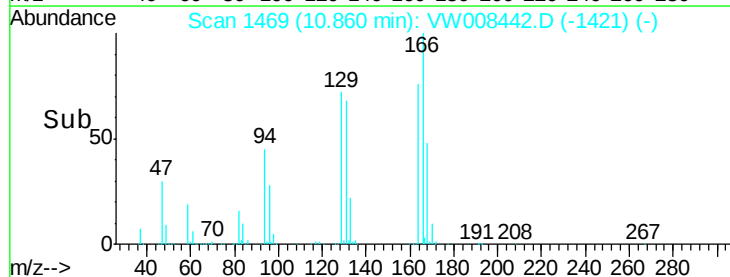
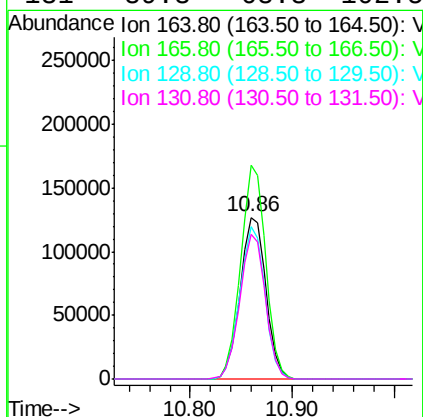
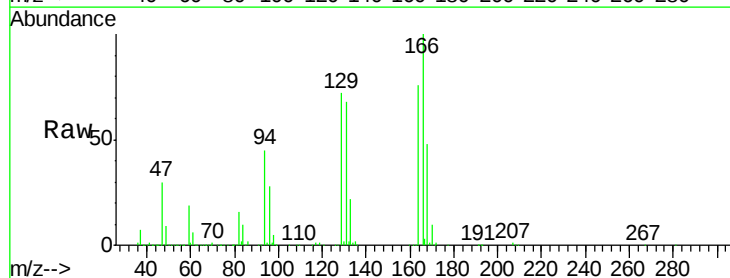
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

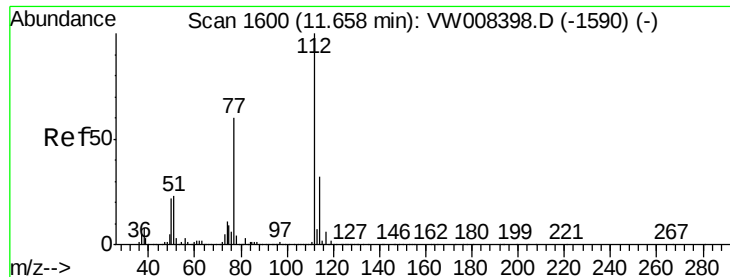
Tgt Ion:117 Resp: 555780
Ion Ratio Lower Upper
117 100
82 53.2 45.4 68.0
119 32.6 26.2 39.4



#64
Tetrachloroethene
Concen: 58.764 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion:164 Resp: 221128
Ion Ratio Lower Upper
164 100
166 132.3 101.4 152.0
129 94.6 71.0 106.6
131 89.3 68.3 102.5

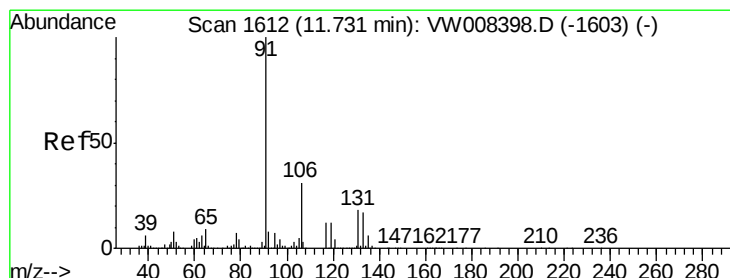
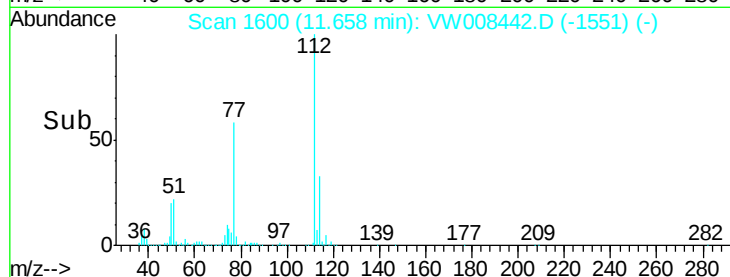
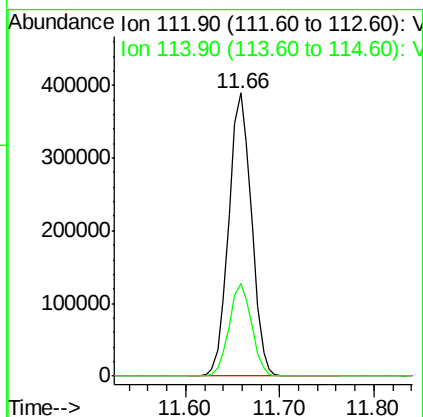
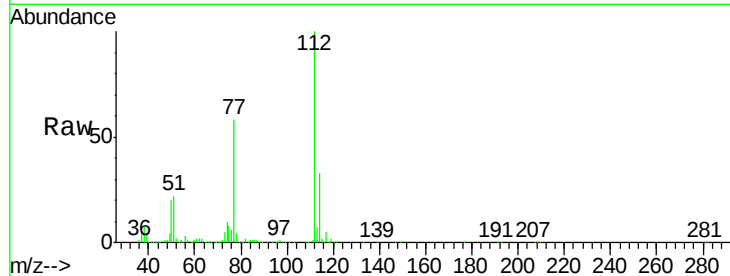




#65
Chlorobenzene
Concen: 57.502 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

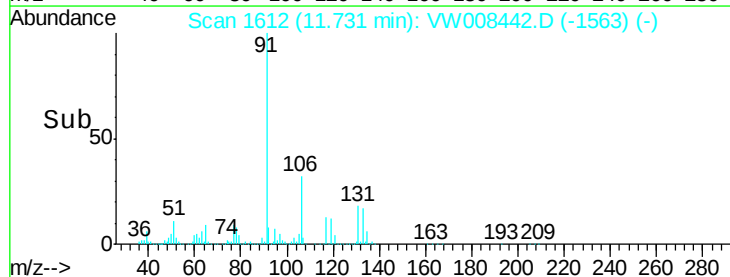
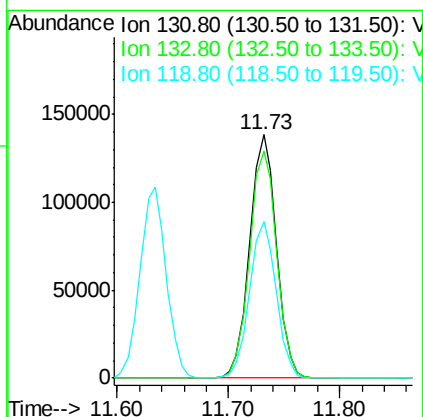
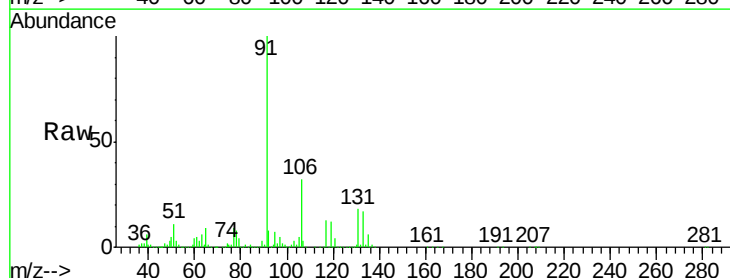
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

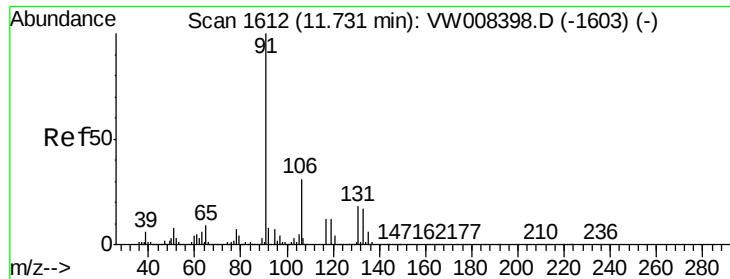
Tgt Ion:112 Resp: 652387
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 57.026 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion:131 Resp: 231481
Ion Ratio Lower Upper
131 100
133 95.0 47.0 141.2
119 64.1 32.1 96.3

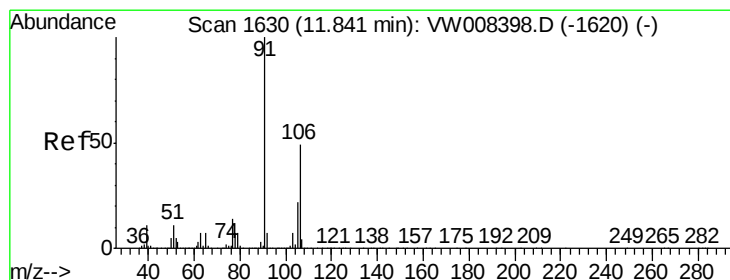
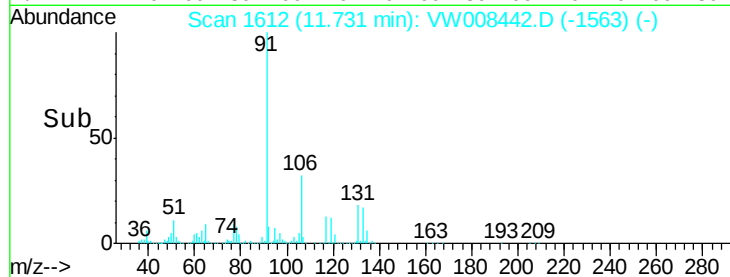
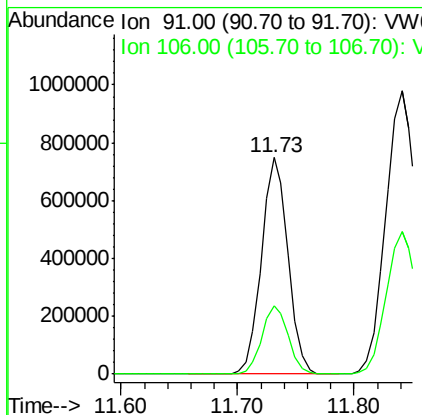
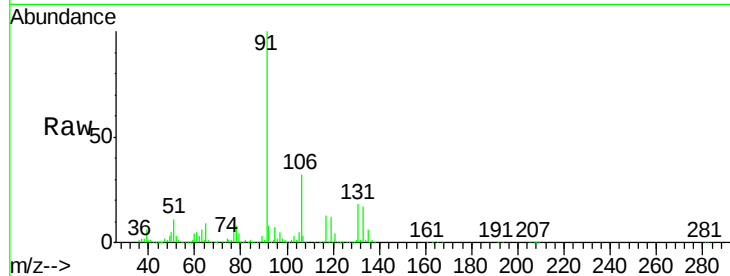




#67
Ethyl Benzene
Concen: 56.845 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

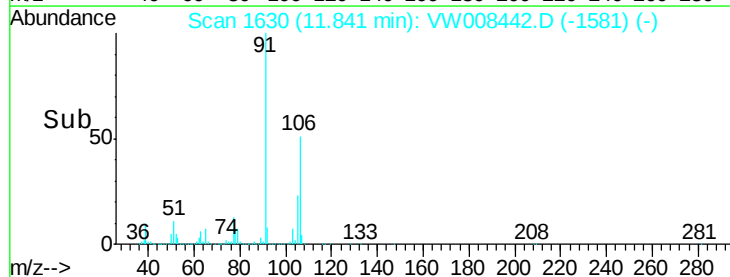
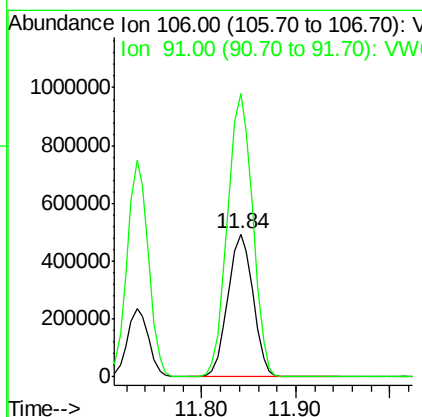
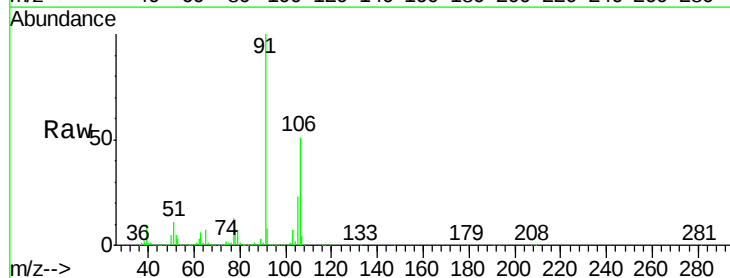
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tgt Ion: 91 Resp: 1185483
Ion Ratio Lower Upper
91 100
106 31.7 24.7 37.1



#68
m/p-Xylenes
Concen: 113.149 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion: 106 Resp: 915548
Ion Ratio Lower Upper
106 100
91 198.5 162.9 244.3

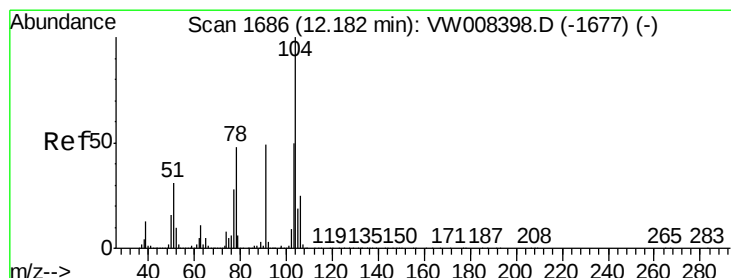
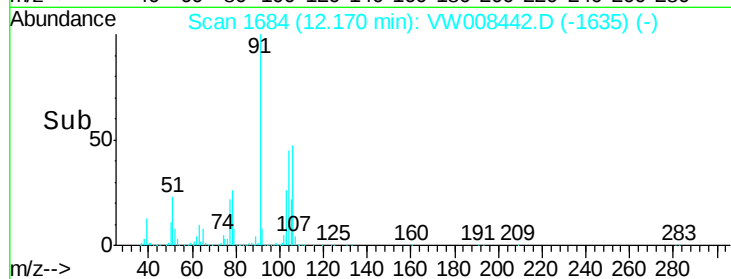
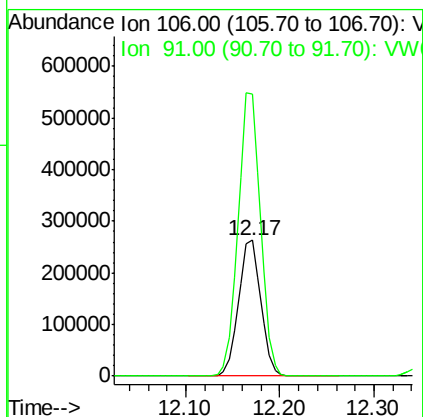
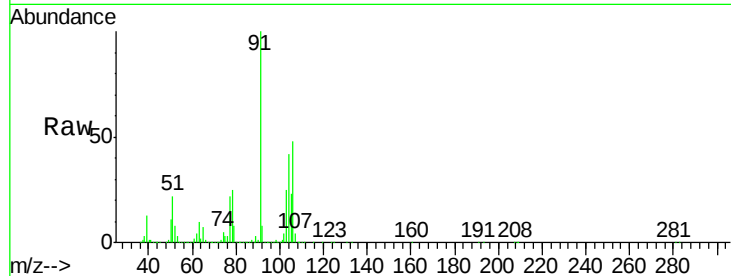




#69
o-Xylene
Concen: 55.968 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

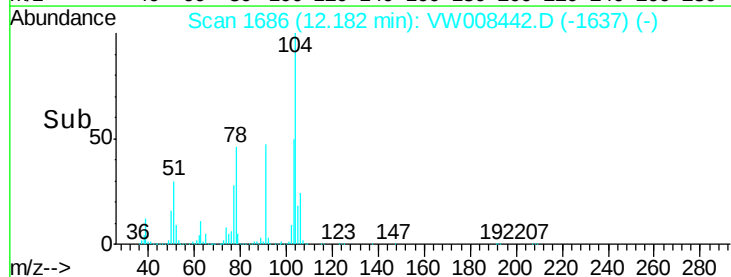
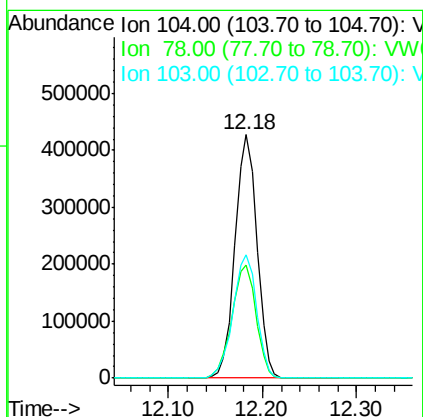
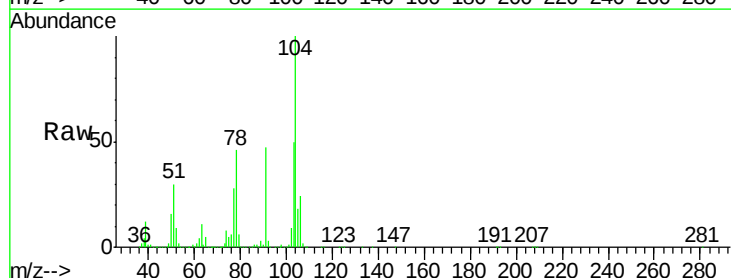
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 430291
Ion Ratio Lower Upper
106 100
91 209.7 107.5 322.4



#70
Styrene
Concen: 54.610 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion:104 Resp: 693515
Ion Ratio Lower Upper
104 100
78 51.3 42.4 63.6
103 54.8 43.4 65.0

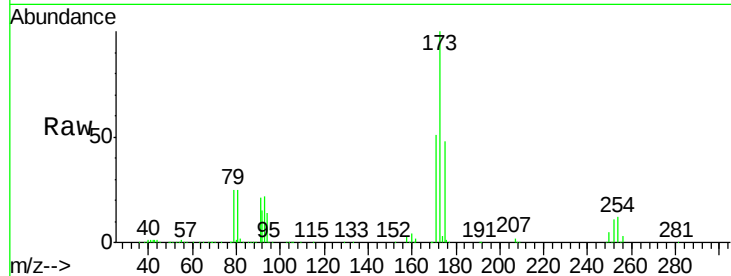




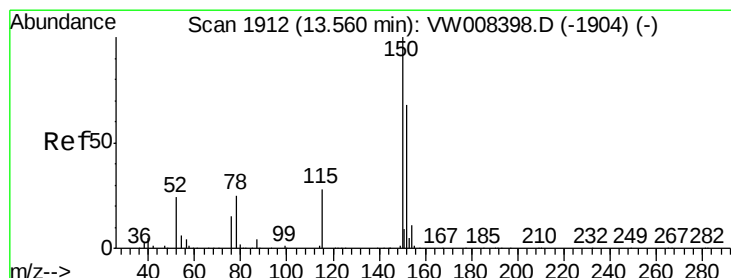
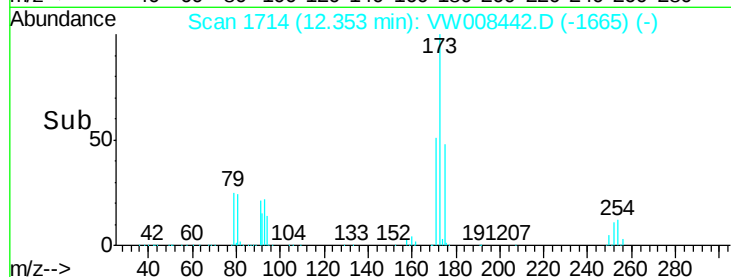
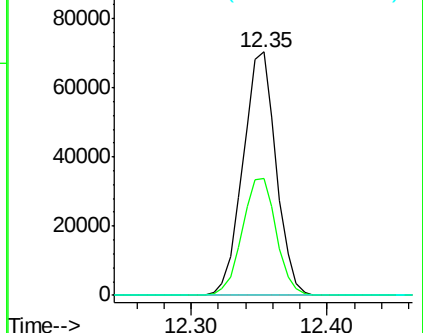
#71
Bromoform
Concen: 52.497 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 119896
Ion Ratio Lower Upper
173 100
175 49.3 24.4 73.4
254 0.1 0.2 0.2#

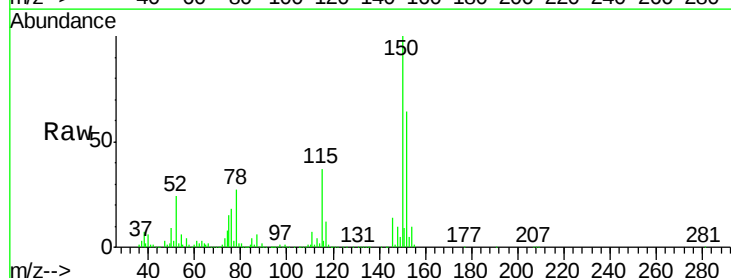


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

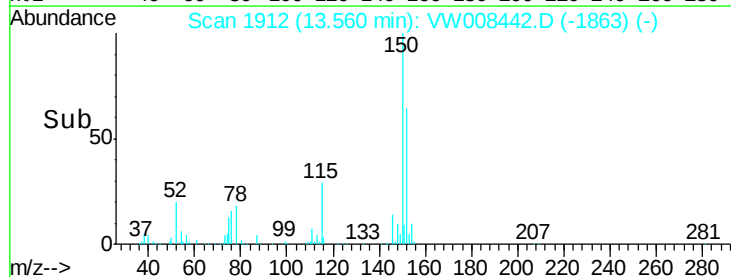
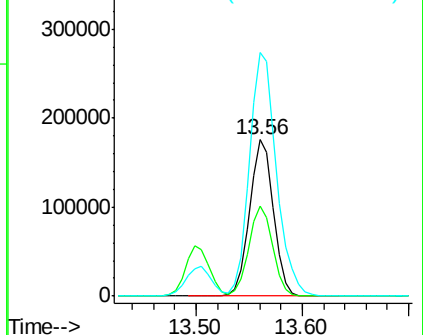


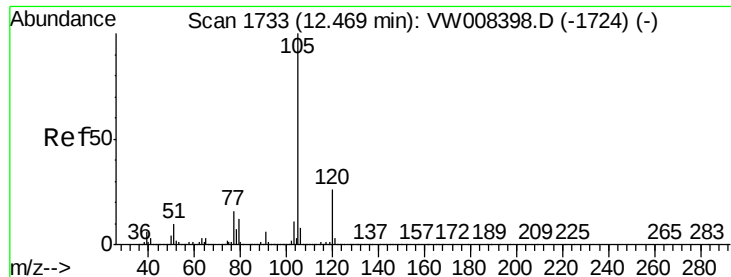
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion:152 Resp: 276061
Ion Ratio Lower Upper
152 100
115 57.4 29.9 89.7
150 175.6 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: 58.630 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

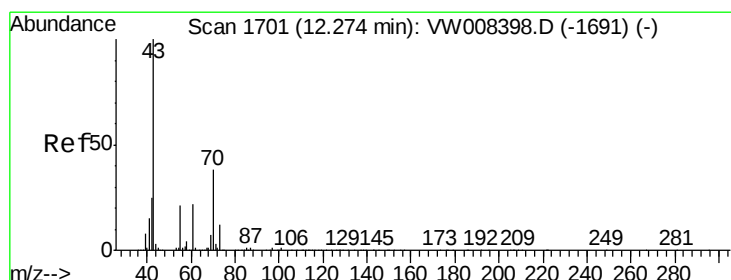
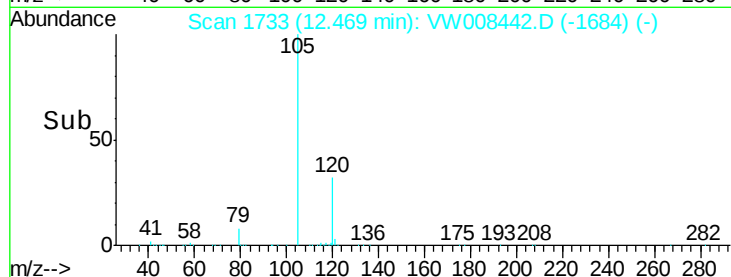
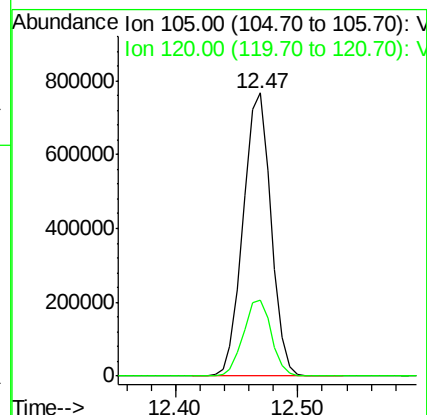
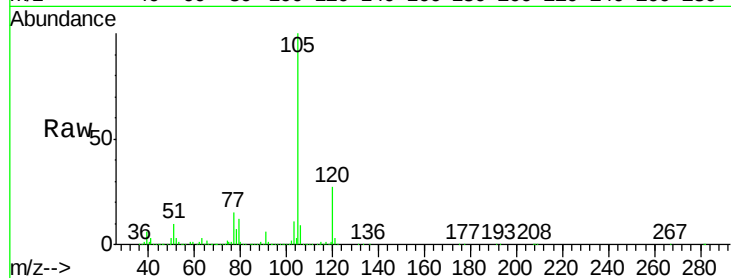
VSTDCCC050

Tgt Ion: 105 Resp: 1206653

Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.8



#74

N-ethyl acetate

Concen: 48.909 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Tgt Ion: 43 Resp: 259315

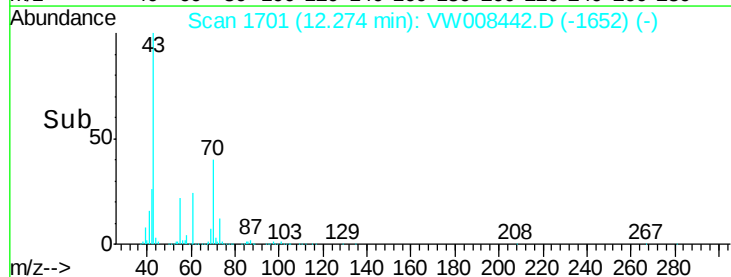
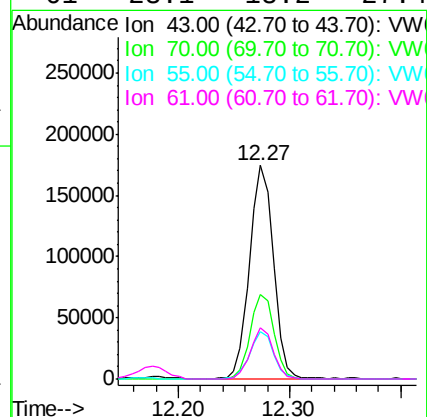
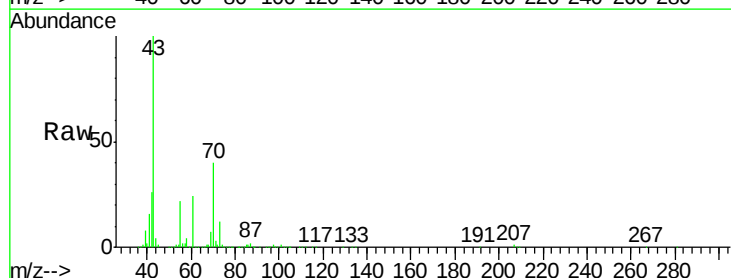
Ion Ratio Lower Upper

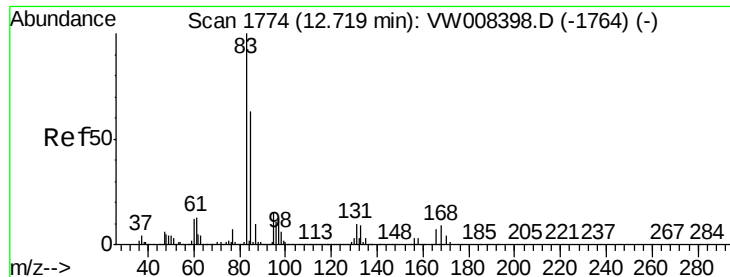
43 100

70 40.1 31.0 46.6

55 21.7 17.4 26.2

61 23.1 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.965 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

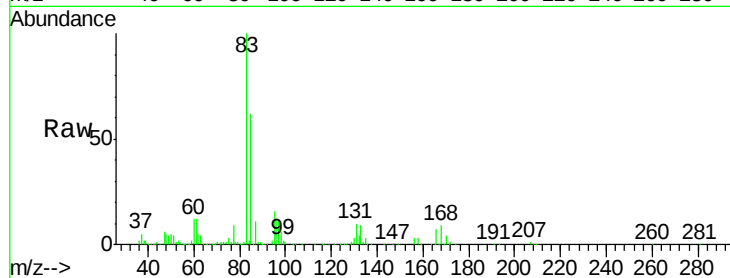
Tgt Ion: 83 Resp: 172579

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.4

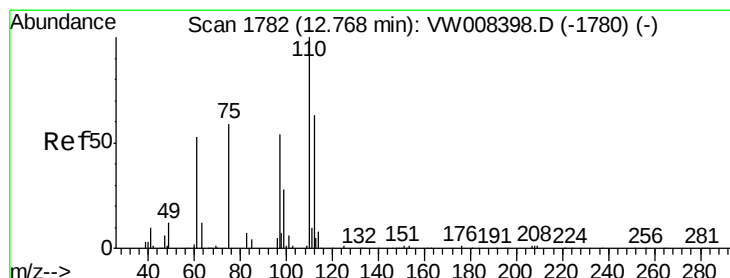
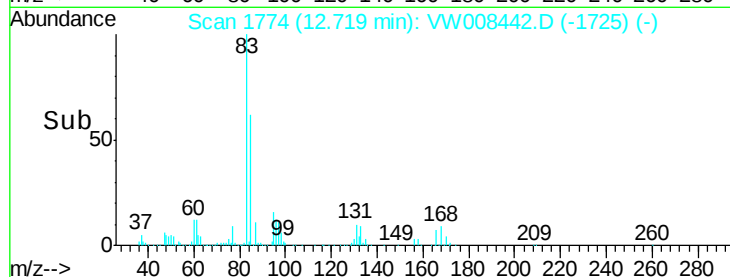
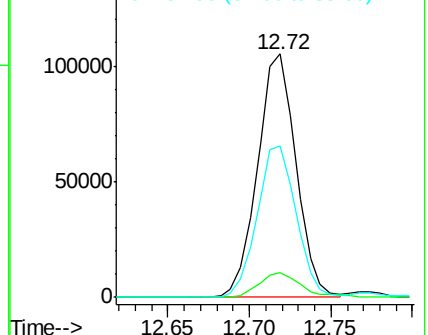
85 63.0 31.9 95.5



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: 101.079 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008442.D

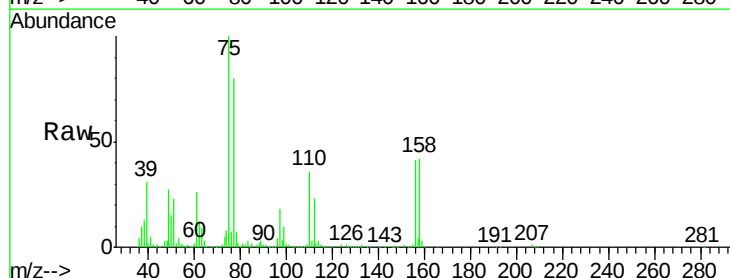
Acq: 29 Jan 2019 10:21

Tgt Ion: 75 Resp: 242605

Ion Ratio Lower Upper

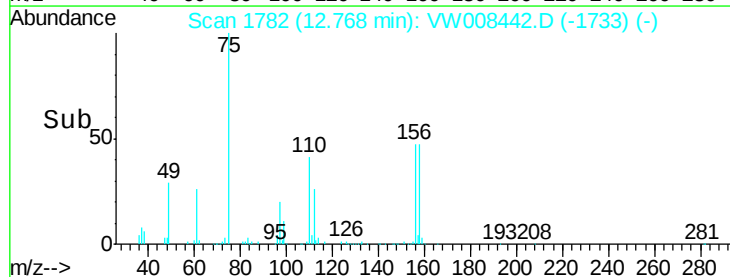
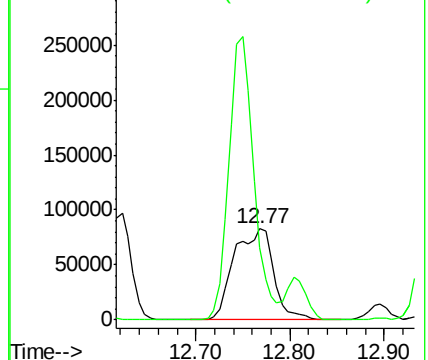
75 100

77 195.4 180.7 542.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 58.679 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

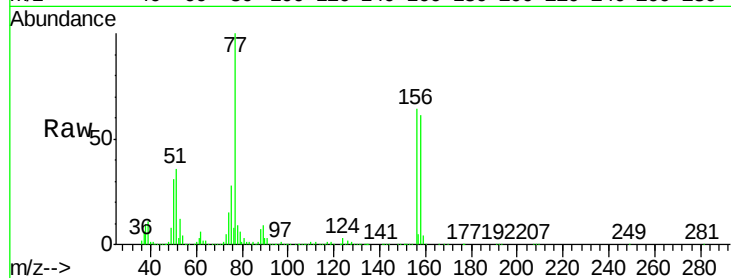
Tgt Ion: 156 Resp: 263744

Ion Ratio Lower Upper

156 100

77 179.7 96.9 290.7

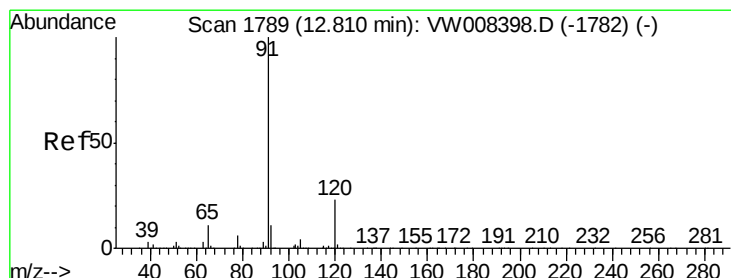
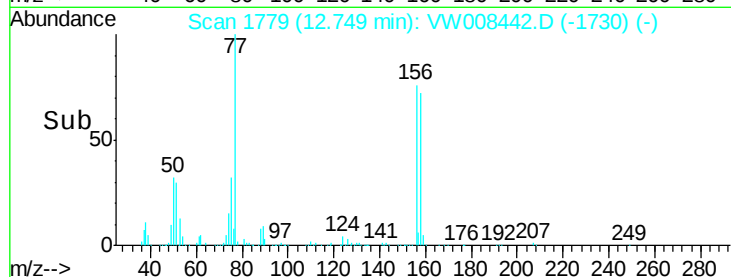
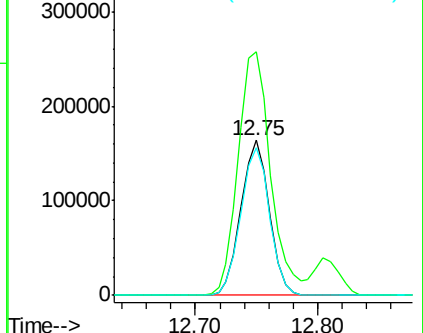
158 96.9 48.8 146.4



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: 58.243 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008442.D

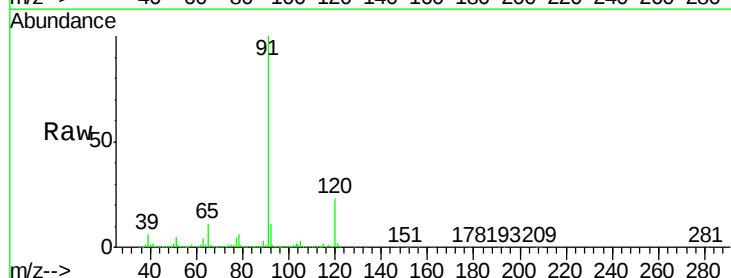
Acq: 29 Jan 2019 10:21

Tgt Ion: 91 Resp: 1439710

Ion Ratio Lower Upper

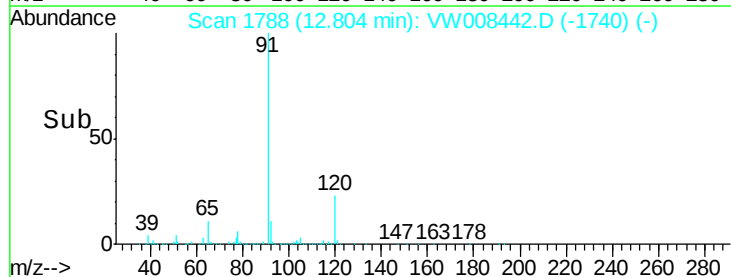
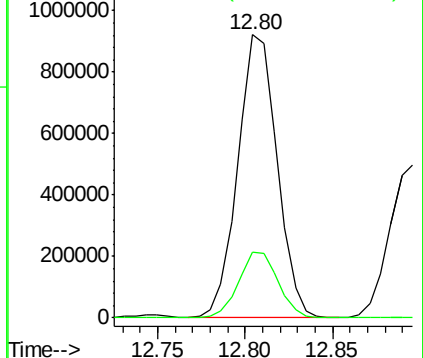
91 100

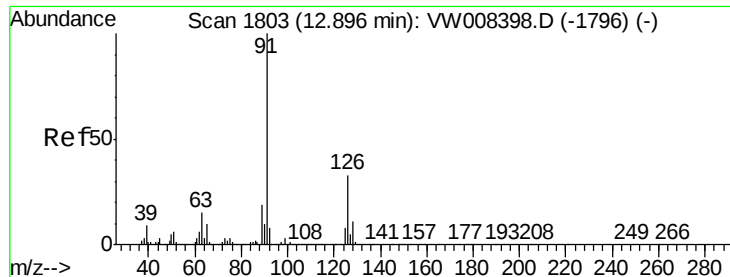
120 23.3 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 57.056 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

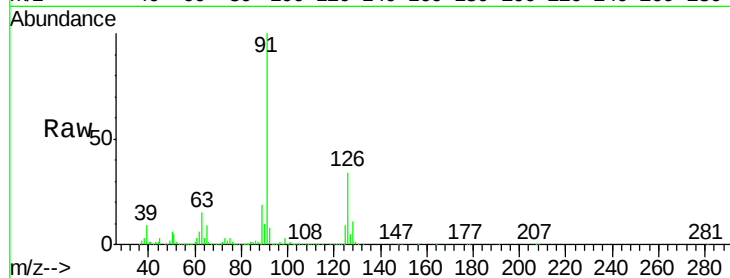
VSTDCCC050

Tgt Ion: 91 Resp: 795860

Ion Ratio Lower Upper

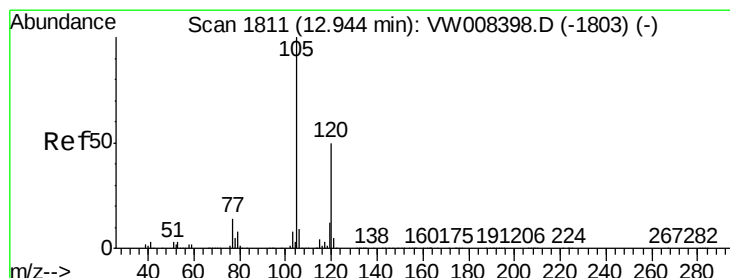
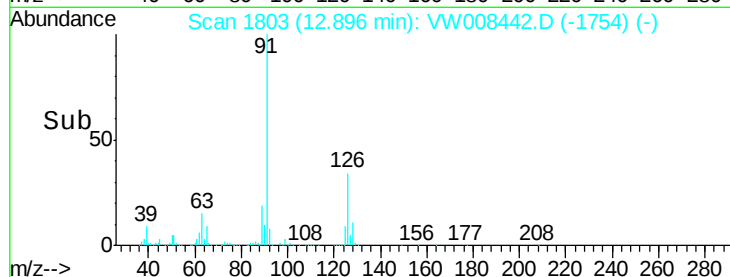
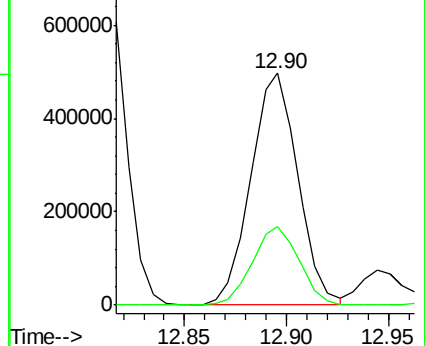
91 100

126 33.9 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 58.326 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008442.D

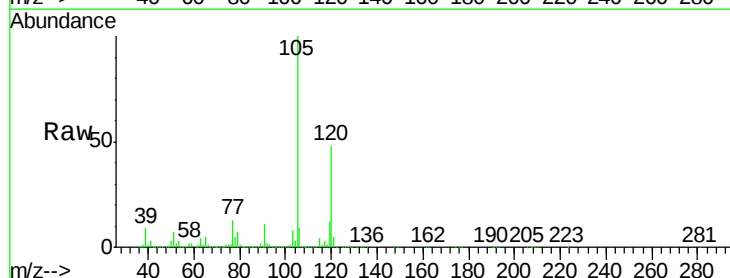
Acq: 29 Jan 2019 10:21

Tgt Ion: 105 Resp: 1003326

Ion Ratio Lower Upper

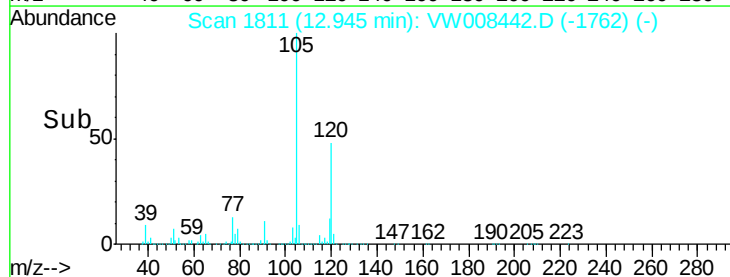
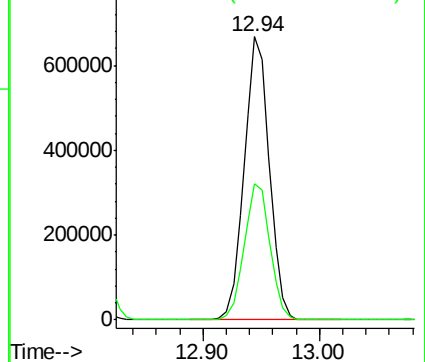
105 100

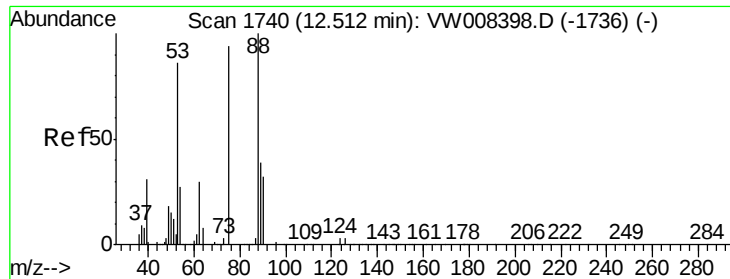
120 49.3 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 52.307 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

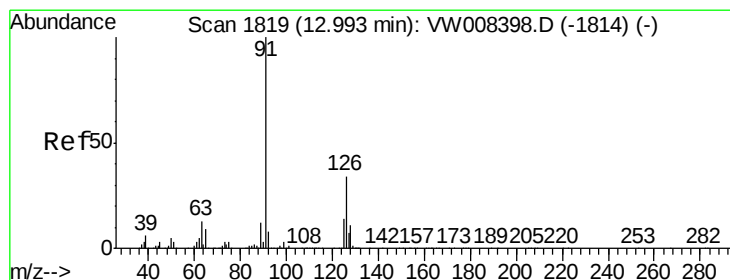
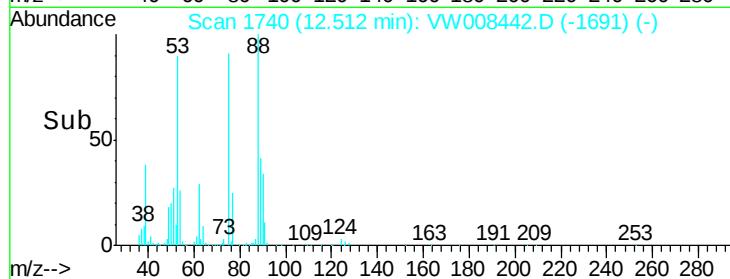
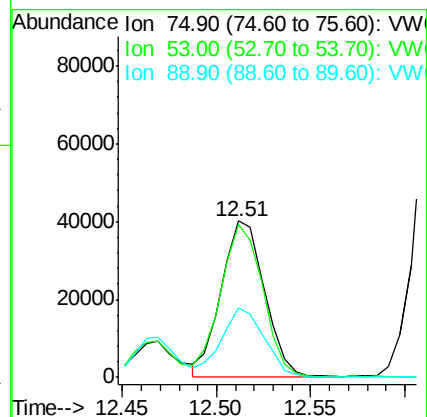
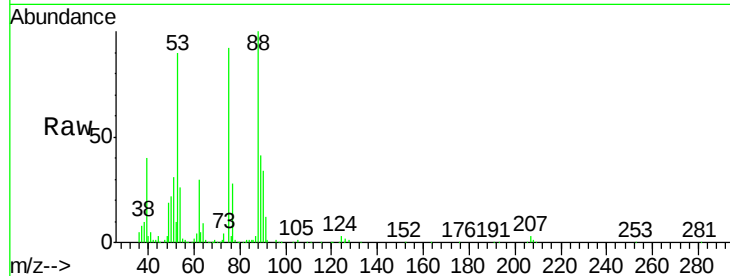
Tgt Ion: 75 Resp: 63564

Ion Ratio Lower Upper

75 100

53 95.6 76.0 114.0

89 44.7 35.4 53.0



#82

4-Chlorotoluene

Concen: 56.098 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW008442.D

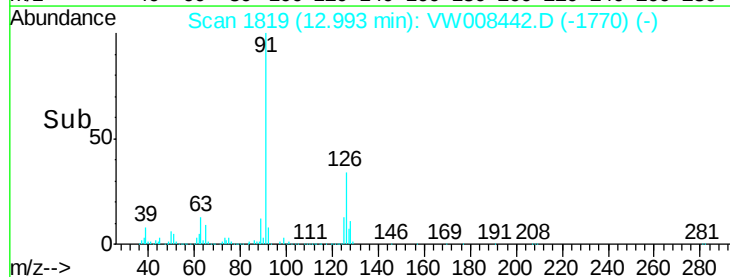
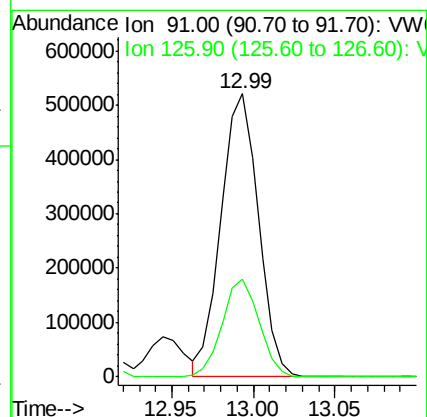
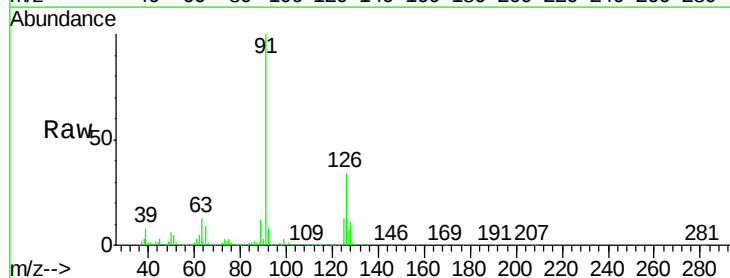
Acq: 29 Jan 2019 10:21

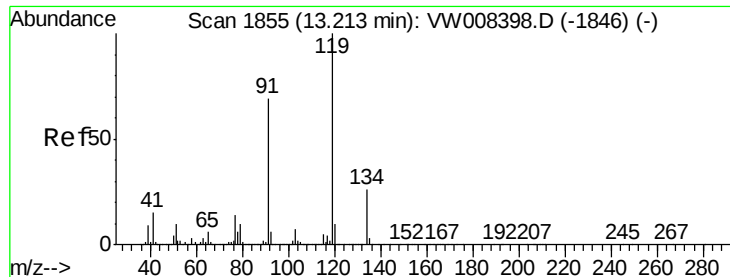
Tgt Ion: 91 Resp: 833117

Ion Ratio Lower Upper

91 100

126 34.1 16.4 49.2

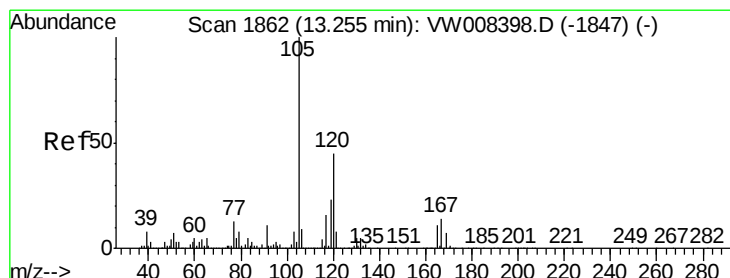
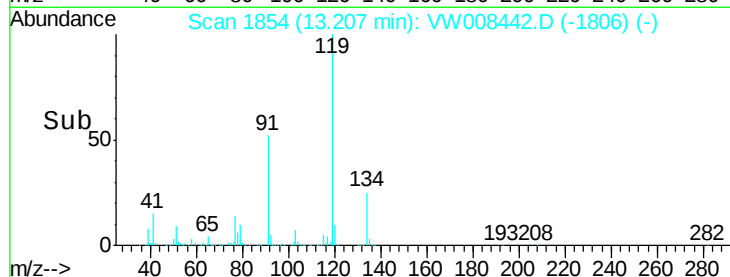
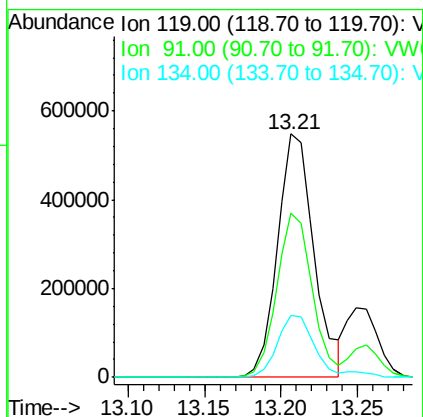
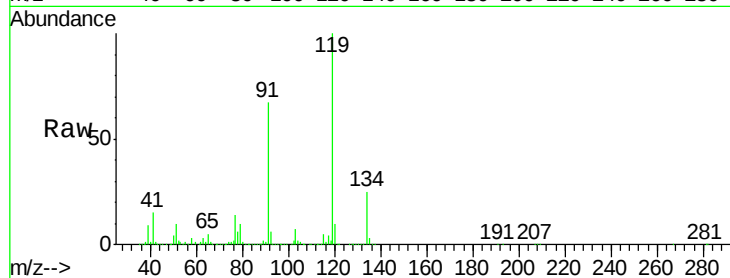




#83
 tert-Butylbenzene
 Concen: 59.337 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

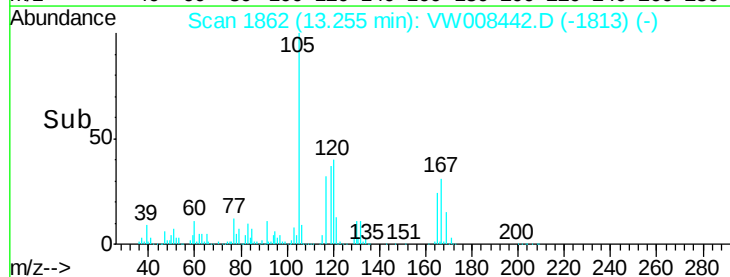
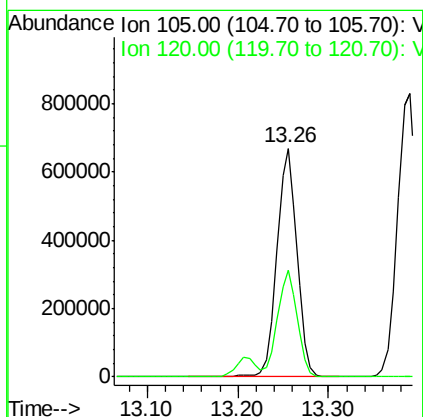
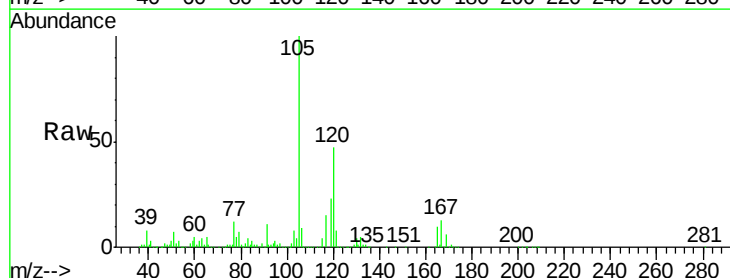
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 908323
 Ion Ratio Lower Upper
 119 100
 91 65.3 33.8 101.4
 134 26.9 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 58.134 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Tgt Ion:105 Resp: 1016447
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.1 69.2

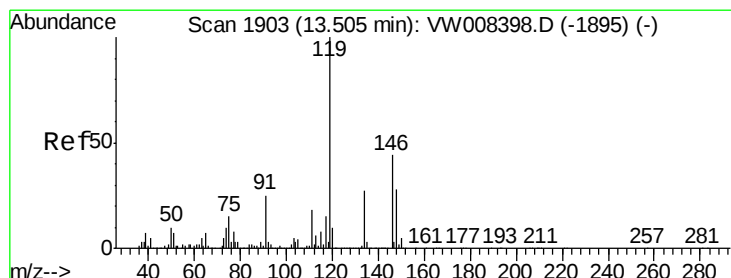
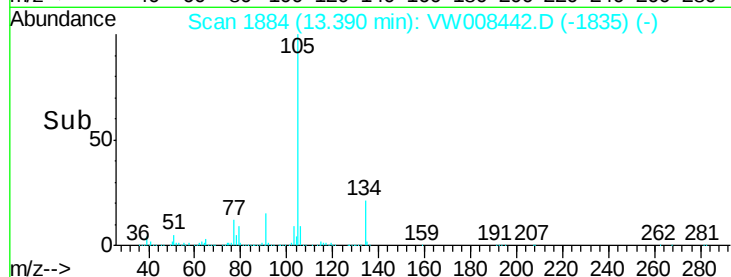
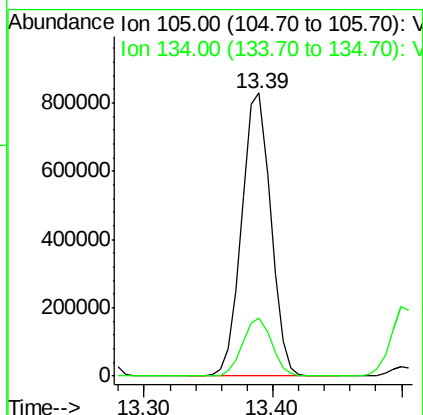
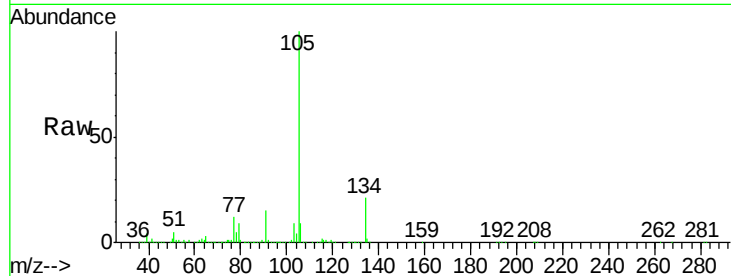




#85
 sec-Butylbenzene
 Concen: 58.890 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

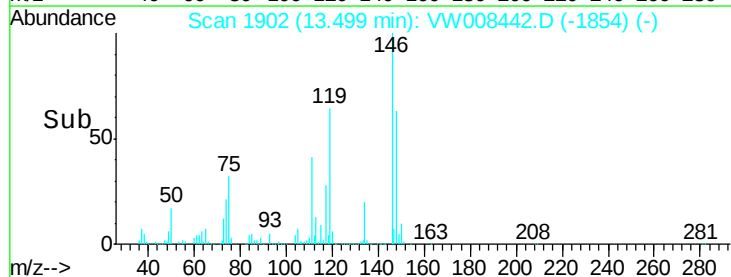
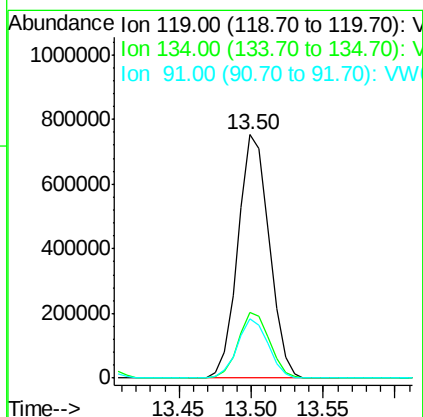
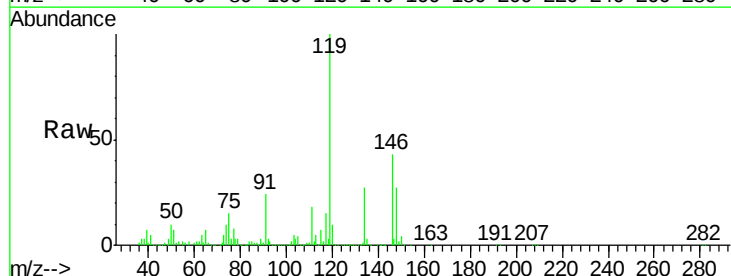
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 1287434
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 59.321 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Tgt Ion:119 Resp: 1135985
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 24.0 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 58.469 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

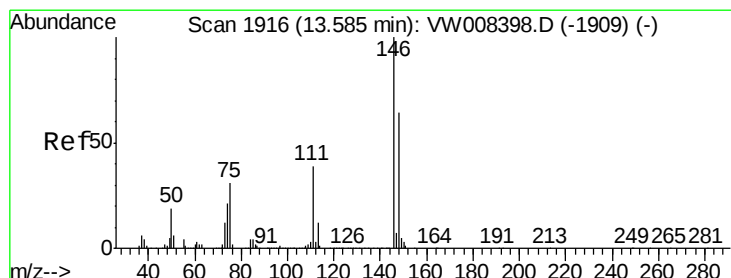
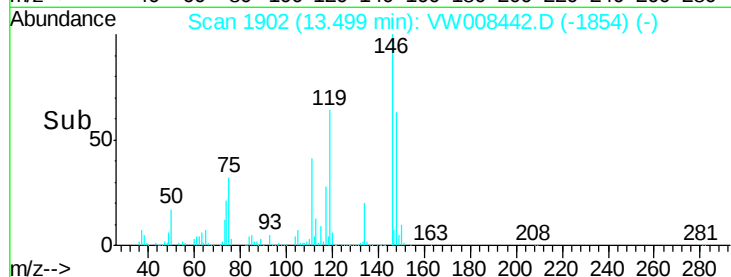
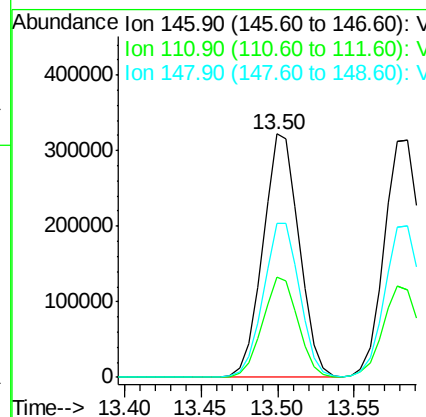
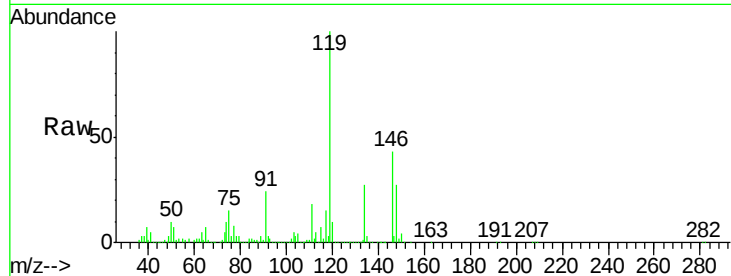
Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion:	146	Resp:	530747
Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.3	60.9
148	63.5	31.9	95.7



#88

1,4-Dichlorobenzene

Concen: 57.666 ug/l

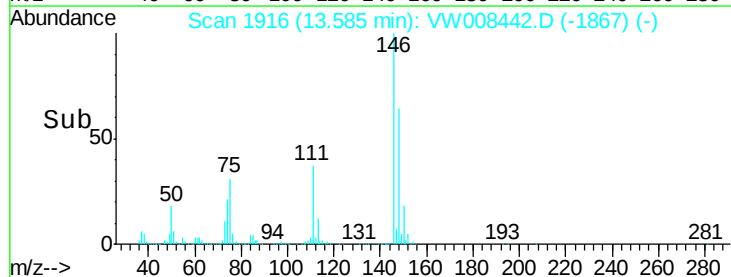
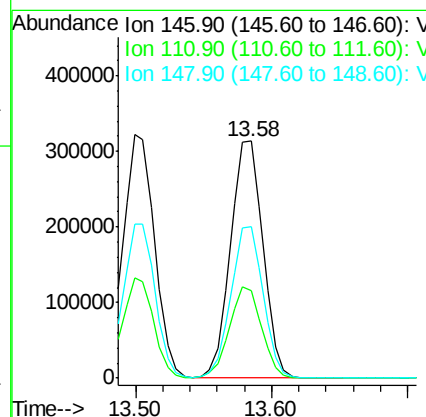
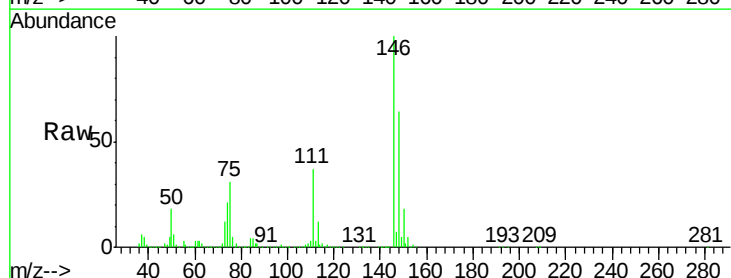
RT: 13.58 min Scan# 1916

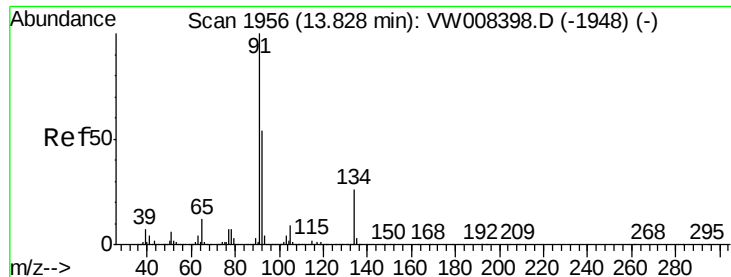
Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Tgt Ion:	146	Resp:	520211
Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.0	60.0
148	63.4	32.0	96.2

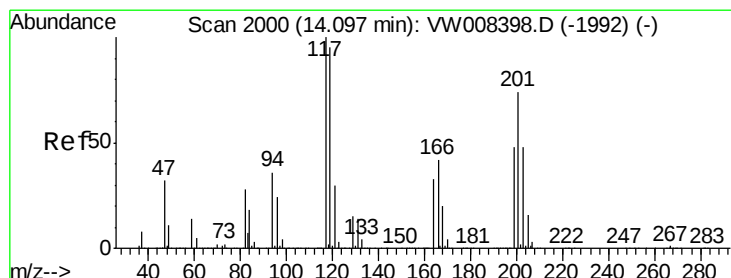
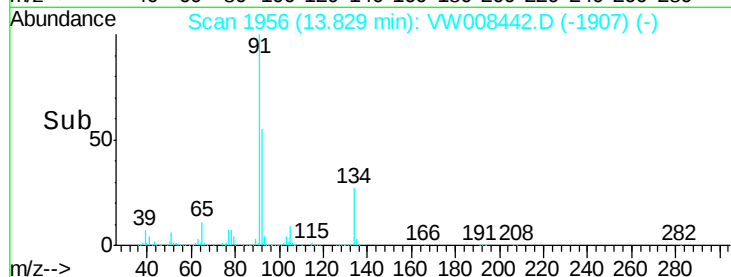
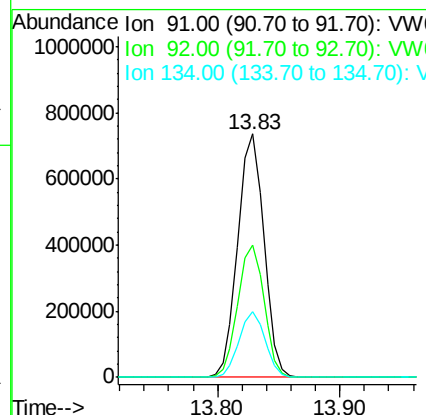
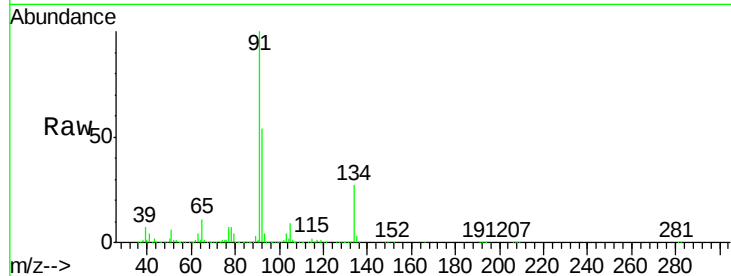




#89
n-Butylbenzene
Concen: 57.790 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

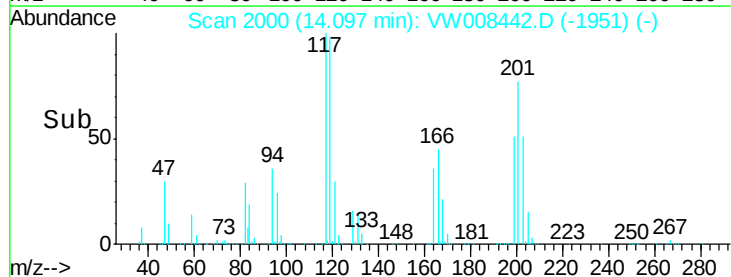
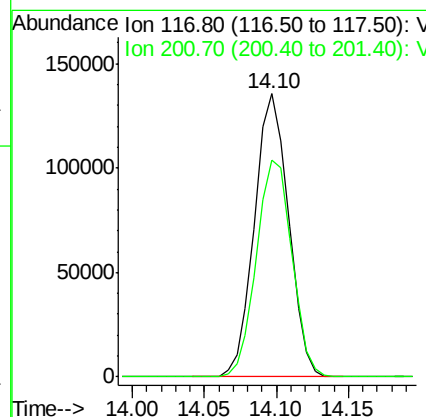
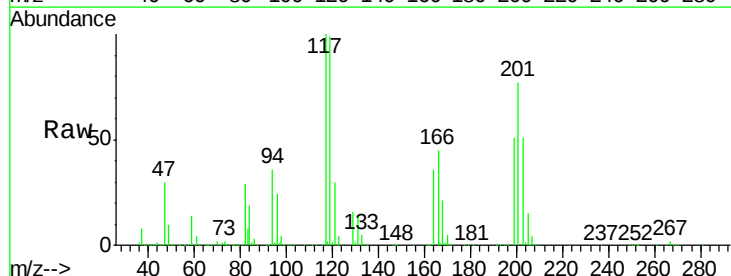
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

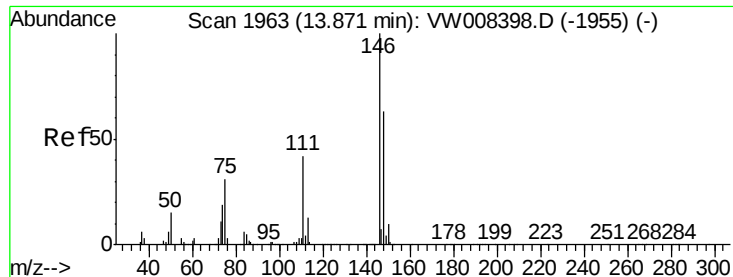
Tgt Ion: 91 Resp: 1086585
Ion Ratio Lower Upper
91 100
92 54.8 27.4 82.2
134 26.9 13.0 39.0



#90
Hexachloroethane
Concen: 59.256 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion: 117 Resp: 221911
Ion Ratio Lower Upper
117 100
201 79.7 39.1 117.5





#91

1,2-Dichlorobenzene

Concen: 56.587 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

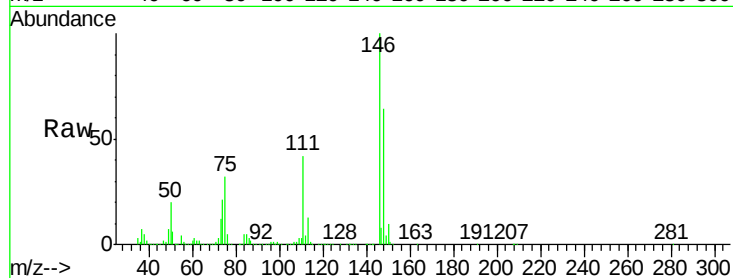
Tgt Ion:146 Resp: 454501

Ion Ratio Lower Upper

146 100

111 41.0 21.1 63.3

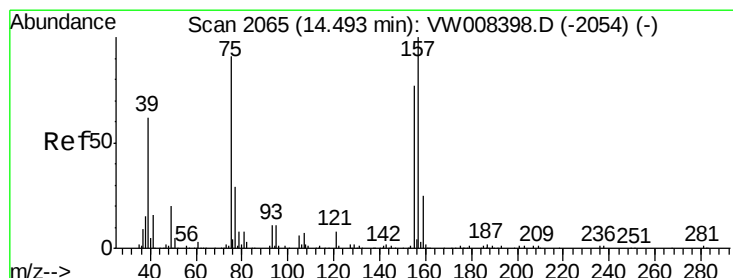
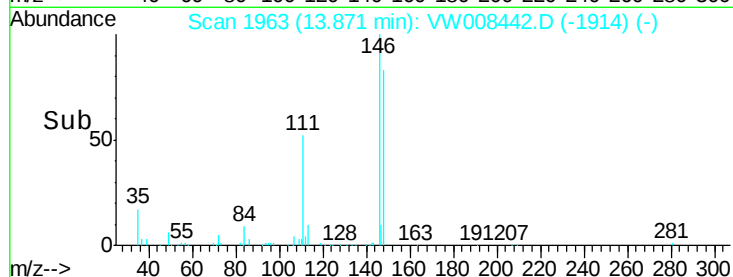
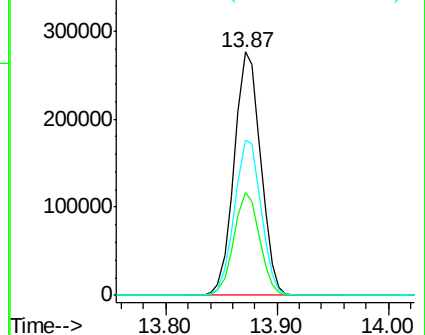
148 64.5 31.9 95.5



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: 48.934 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

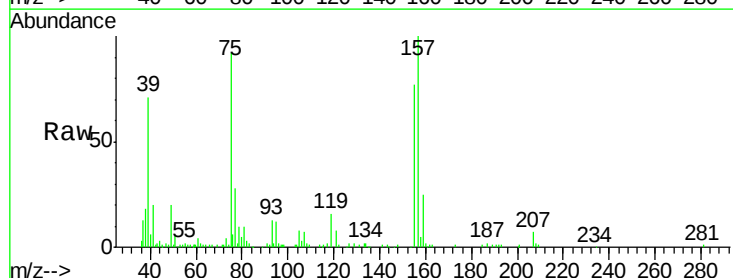
Tgt Ion: 75 Resp: 30253

Ion Ratio Lower Upper

75 100

155 86.4 42.7 128.1

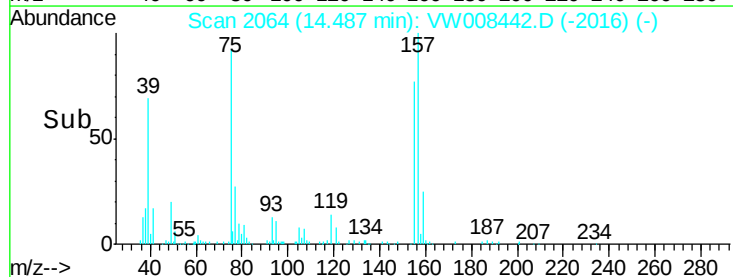
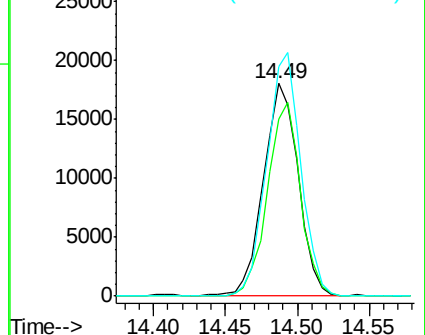
157 111.7 55.5 166.3

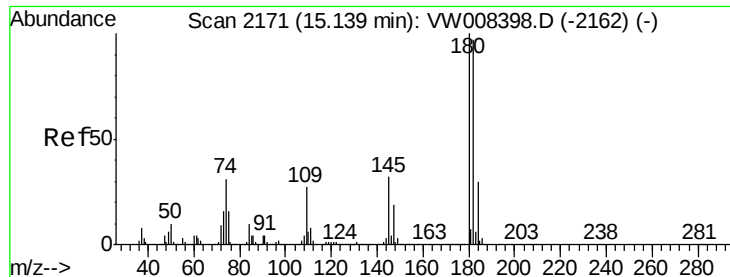


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

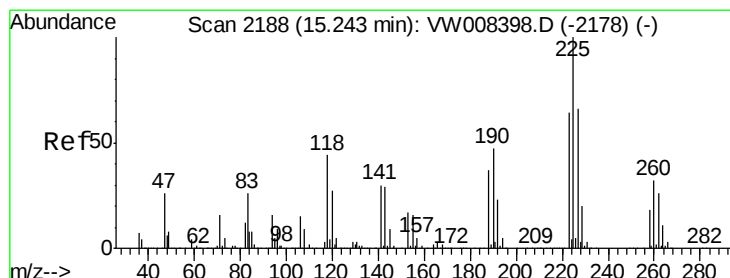
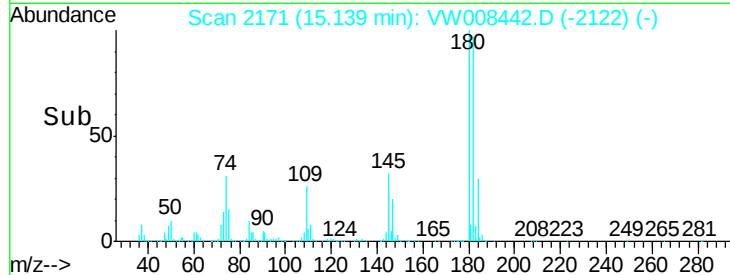
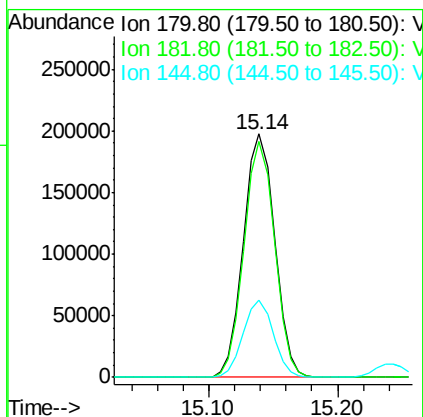
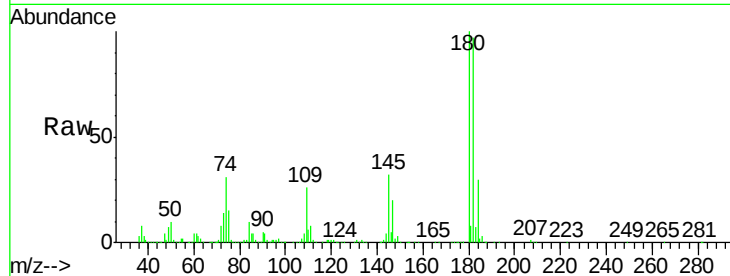




#93
 1,2,4-Trichlorobenzene
 Concen: 57.847 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

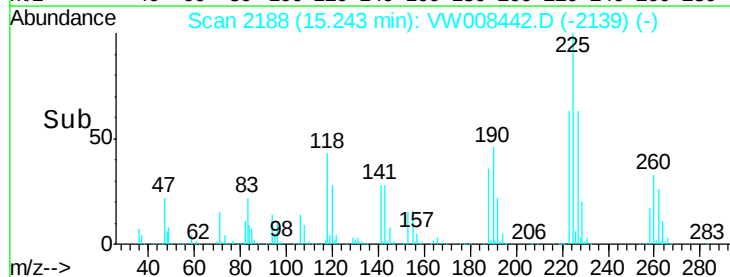
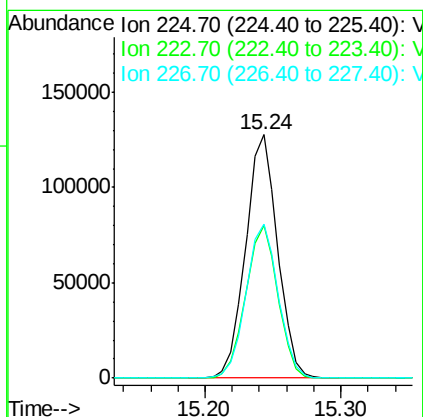
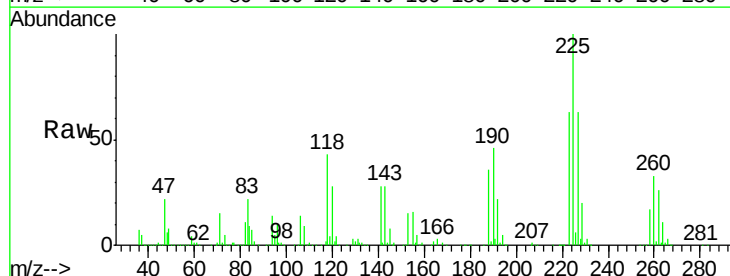
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 331556
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.9 143.7
 145 30.8 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 60.768 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Tgt Ion:225 Resp: 209907
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.7 95.1
 227 63.7 32.1 96.3

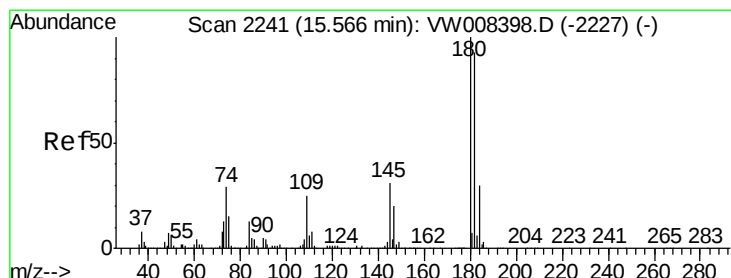
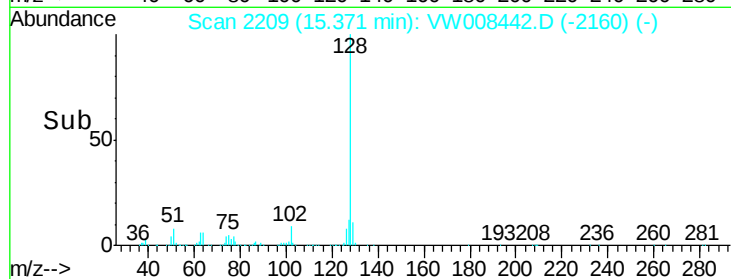
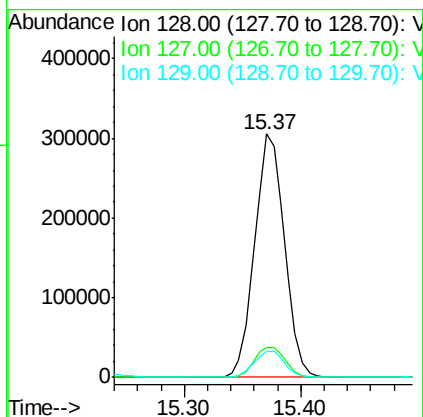
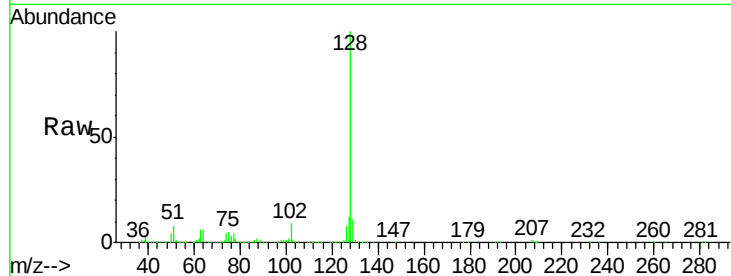




#95
Naphthalene
Concen: 54.308 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 546552
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 57.065 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion:180 Resp: 277452
Ion Ratio Lower Upper
180 100
182 95.1 47.0 141.2
145 32.0 15.9 47.6

