

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\
 Data File : VW004001.D
 Acq On : 17 Jul 2018 23:33
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 18 04:52:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	241513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	383668	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	349205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	183842	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	151579	56.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.30%	
35) Dibromofluoromethane	7.89	113	132108	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
50) Toluene-d8	10.33	98	517027	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	
62) 4-Bromofluorobenzene	12.62	95	184796	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	53286	39.289	ug/l	93
3) Chloromethane	2.21	50	89699	50.247	ug/l	100
4) Vinyl Chloride	2.36	62	123547	50.315	ug/l	98
5) Bromomethane	2.77	94	77538	50.522	ug/l	97
6) Chloroethane	2.92	64	70763	50.722	ug/l	97
7) Trichlorofluoromethane	3.25	101	51800	50.249	ug/l	96
8) Diethyl Ether	3.67	74	60369	50.451	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	115743	48.657	ug/l	98
10) Methyl Iodide	4.26	142	178381	52.212	ug/l	99
11) Tert butyl alcohol	5.18	59	46842	251.348	ug/l	99
12) 1,1-Dichloroethene	4.03	96	118138	50.333	ug/l	98
13) Acrolein	3.89	56	48745	254.560	ug/l	98
14) Allyl chloride	4.66	41	206194	53.222	ug/l	99
15) Acrylonitrile	5.37	53	167200	272.687	ug/l	99
16) Acetone	4.12	43	138626	213.692	ug/l	99
17) Carbon Disulfide	4.37	76	370273	50.541	ug/l	99
18) Methyl Acetate	4.67	43	125687	80.714	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	246796	54.864	ug/l	99
20) Methylene Chloride	4.91	84	138067	47.871	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	135193	52.547	ug/l	97
22) Diisopropyl ether	6.31	45	441921	56.440	ug/l	98
23) Vinyl Acetate	6.26	43	1213393	244.579	ug/l	99
24) 1,1-Dichloroethane	6.21	63	256437	53.675	ug/l	99
25) 2-Butanone	7.18	43	227162	260.211	ug/l	98
26) 2,2-Dichloropropane	7.17	77	124624	45.443	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	147640	53.084	ug/l	99
28) Bromochloromethane	7.51	49	99014	50.642	ug/l	97
29) Tetrahydrofuran	7.53	42	148806	273.649	ug/l	99
30) Chloroform	7.68	83	259257	54.555	ug/l	99
31) Cyclohexane	7.96	56	218078	48.695	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	193959	52.267	ug/l	99
36) 1,1-Dichloropropene	8.09	75	204453	51.795	ug/l	99
37) Ethyl Acetate	7.26	43	94499	49.633	ug/l	99
38) Carbon Tetrachloride	8.07	117	186355	50.525	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	231709	50.122	ug/l	98
40) Benzene	8.32	78	581715	53.117	ug/l	99
41) Methacrylonitrile	7.49	41	59562	56.458	ug/l	90
42) 1,2-Dichloroethane	8.40	62	181073	54.196	ug/l	100
43) Isopropyl Acetate	8.43	43	189669	53.262	ug/l	100
44) Trichloroethene	9.09	130	144536	50.914	ug/l	99
45) 1,2-Dichloropropane	9.37	63	151323	54.137	ug/l	100
46) Dibromomethane	9.46	93	77820	53.653	ug/l	100
47) Bromodichloromethane	9.65	83	193247	54.046	ug/l	99
48) Methyl methacrylate	9.44	41	93570	54.331	ug/l	99
49) 1,4-Dioxane	9.46	88	24629	1104.677	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	514403	271.136	ug/l	99
52) Toluene	10.39	92	360793	53.276	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	194355	51.979	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	221726	51.837	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	109358	53.609	ug/l	98
56) Ethyl methacrylate	10.65	69	142003	48.746	ug/l	97
57) 1,3-Dichloropropane	10.94	76	192362	54.276	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	320447	264.799	ug/l	99
59) 2-Hexanone	10.98	43	358762	268.297	ug/l	98
60) Dibromochloromethane	11.13	129	126591	53.288	ug/l	100
61) 1,2-Dibromoethane	11.24	107	102166	52.636	ug/l	97
64) Tetrachloroethene	10.87	164	134104	55.968	ug/l	98
65) Chlorobenzene	11.66	112	388493	52.319	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	135581	52.543	ug/l	100
67) Ethyl Benzene	11.74	91	693936	53.200	ug/l	97
68) m/p-Xylenes	11.85	106	527847	105.876	ug/l	100
69) o-Xylene	12.17	106	245721	53.133	ug/l	98
70) Styrene	12.19	104	426941	55.271	ug/l	99
71) Bromoform	12.35	173	77729	53.353	ug/l #	100
73) Isopropylbenzene	12.47	105	675716	52.015	ug/l	99
74) N-amyl acetate	12.28	43	179675	53.082	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	132078	52.573	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	172302	94.405	ug/l #	100
77) Bromobenzene	12.75	156	159402	51.280	ug/l	99
78) n-propylbenzene	12.81	91	830270	52.096	ug/l	100
79) 2-Chlorotoluene	12.90	91	474943	52.838	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	570489	52.184	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	38955	47.212	ug/l	96
82) 4-Chlorotoluene	12.99	91	491237	50.925	ug/l	99
83) tert-Butylbenzene	13.21	119	473769	51.618	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	593691	52.784	ug/l	99
85) sec-Butylbenzene	13.39	105	698438	51.286	ug/l	100
86) p-Isopropyltoluene	13.51	119	612580	51.282	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	316001	50.898	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	314786	50.557	ug/l	99
89) n-Butylbenzene	13.83	91	593400	50.533	ug/l	99
90) Hexachloroethane	14.10	117	112855	51.252	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	285291	51.576	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22606	50.602	ug/l	96

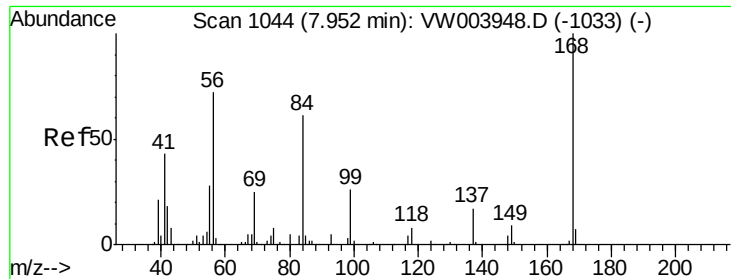
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	195321	50.277	ug/l	100
94) Hexachlorobutadiene	15.25	225	108270	48.534	ug/l	99
95) Naphthalene	15.38	128	380647	53.085	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	178540	51.908	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

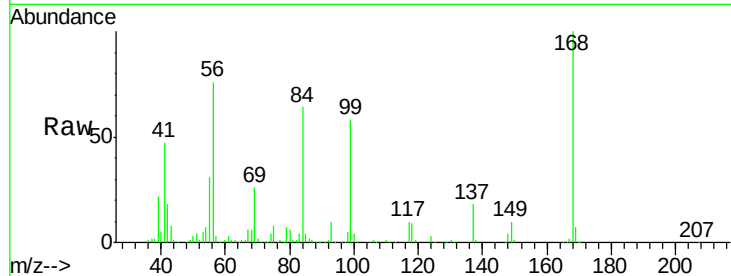
VSTDCCC050

Tot Ion:168 Resp: 241513

Ion Ratio Lower Upper

168 100

99 57.6 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

40000

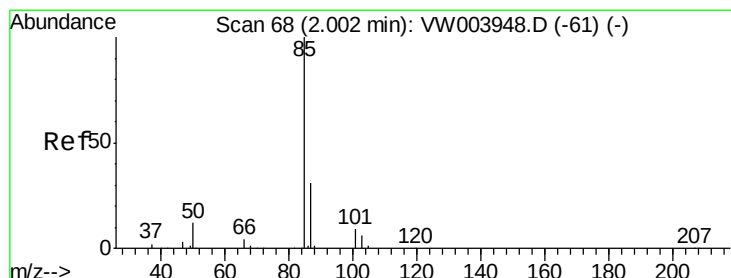
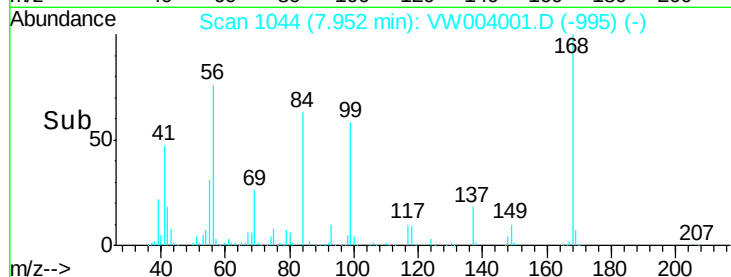
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 39.289 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW004001.D

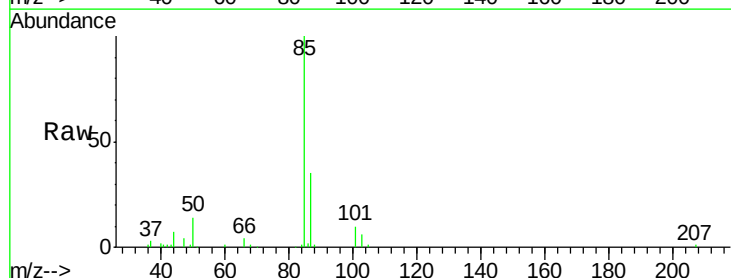
Acq: 17 Jul 2018 23:33

Tgt Ion: 85 Resp: 53286

Ion Ratio Lower Upper

85 100

87 34.6 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

15000

10000

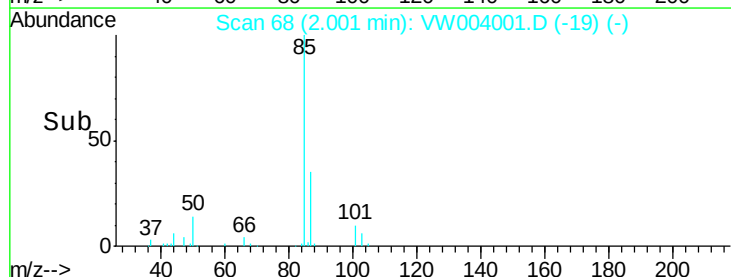
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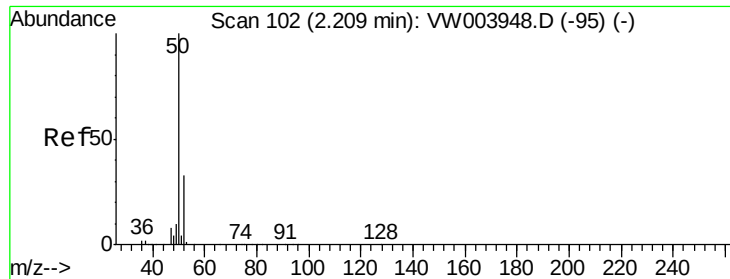
0

2.00

2.20

Time-->





#3

Chloromethane

Concen: 50.247 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

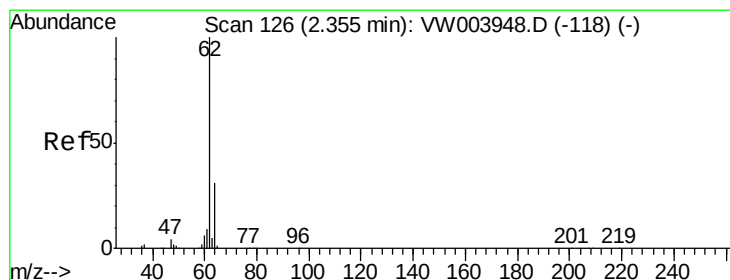
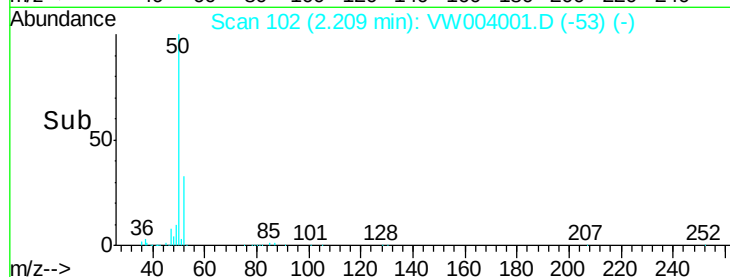
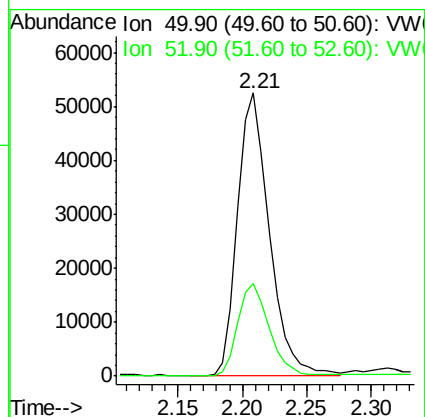
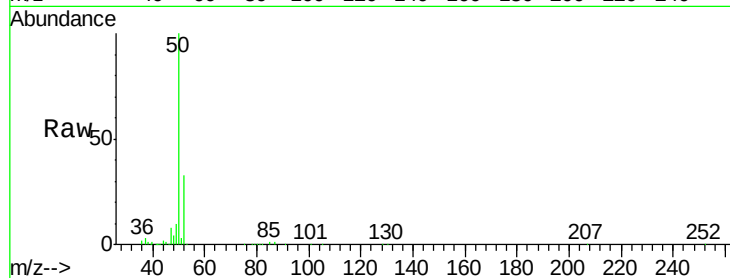
VSTDCCC050

Tot Ion: 50 Resp: 89699

Ion Ratio Lower Upper

50 100

52 33.0 26.3 39.5



#4

Vinyl Chloride

Concen: 50.315 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW004001.D

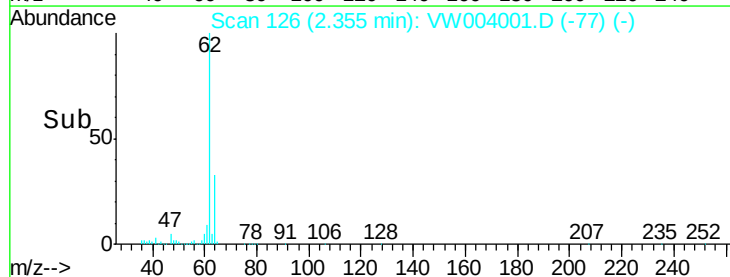
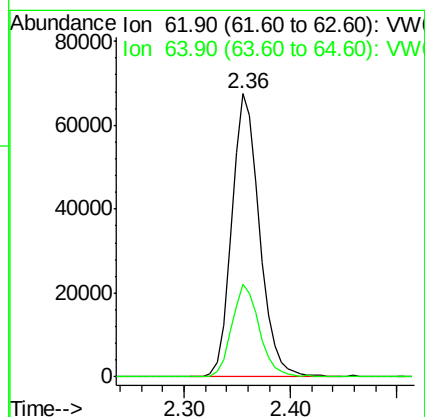
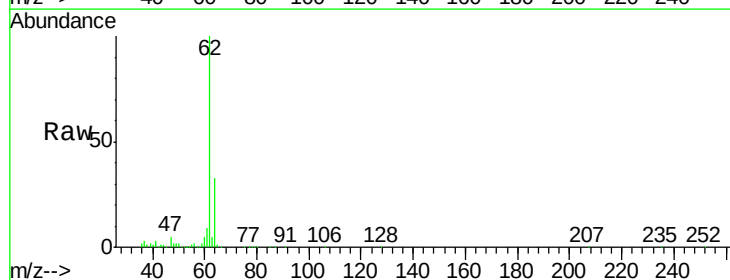
Acq: 17 Jul 2018 23:33

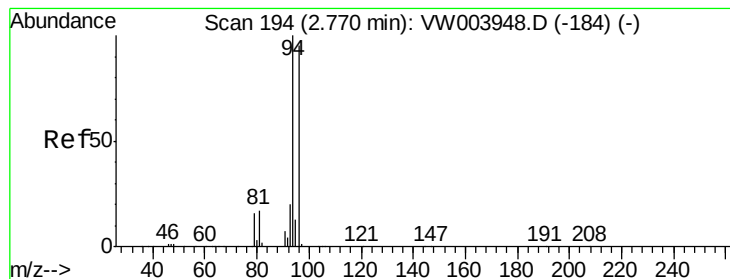
Tgt Ion: 62 Resp: 123547

Ion Ratio Lower Upper

62 100

64 32.5 25.0 37.6





#5

Bromomethane

Concen: 50.522 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

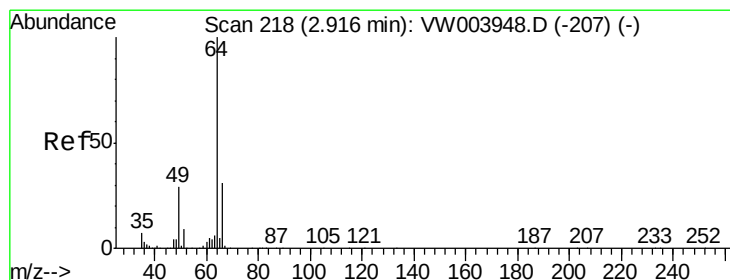
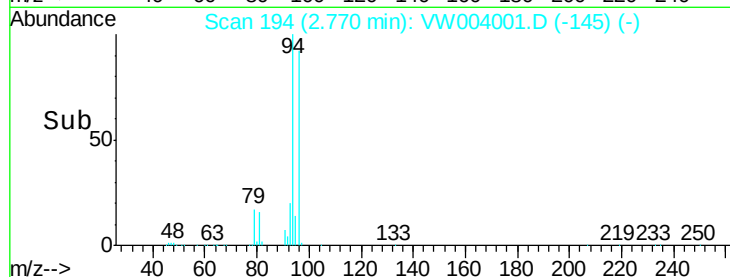
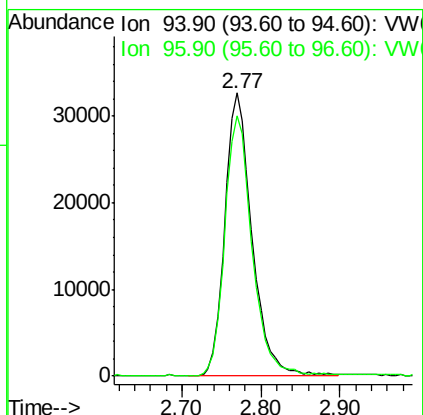
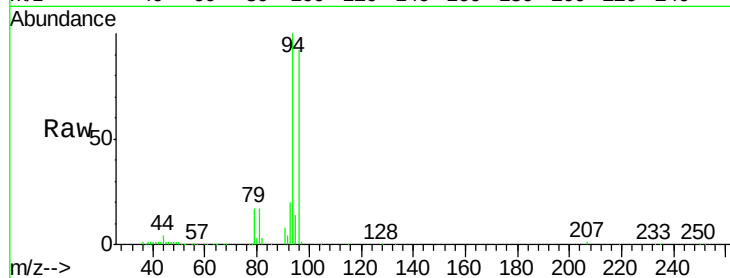
VSTDCCC050

Tot Ion: 94 Resp: 77538

Ion Ratio Lower Upper

94 100

96 91.7 75.8 113.6



#6

Chloroethane

Concen: 50.722 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.01 min

Lab File: VW004001.D

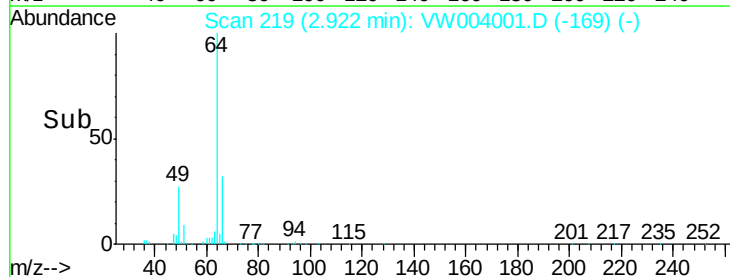
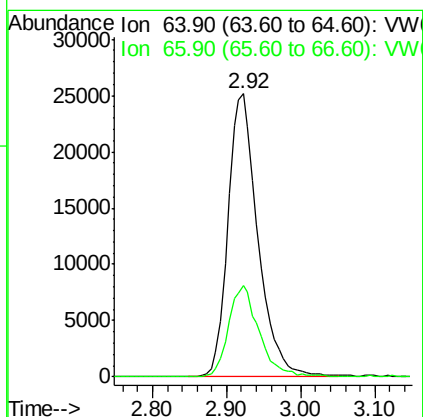
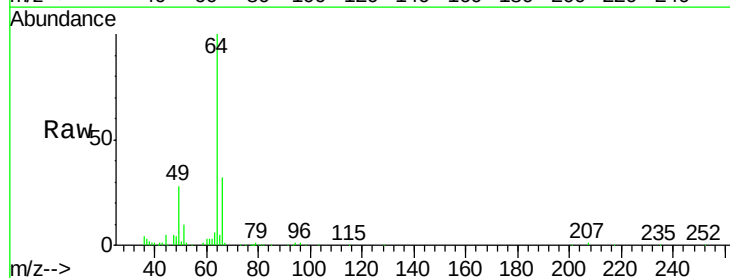
Acq: 17 Jul 2018 23:33

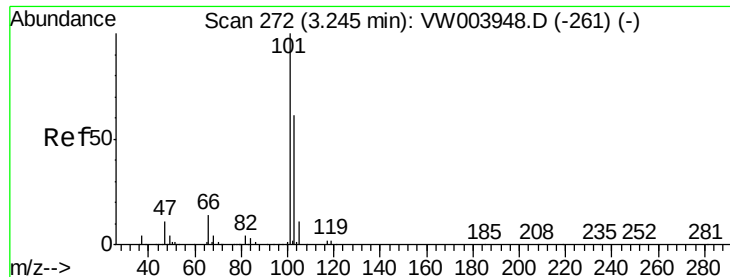
Tgt Ion: 64 Resp: 70763

Ion Ratio Lower Upper

64 100

66 32.4 24.5 36.7



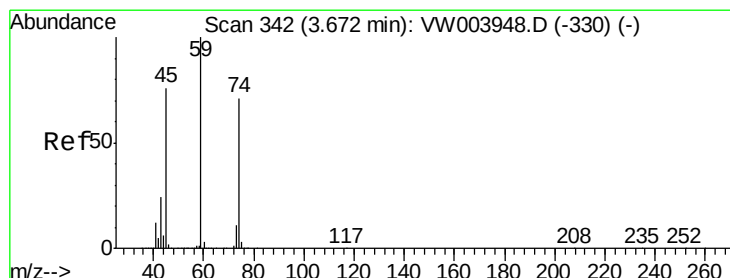
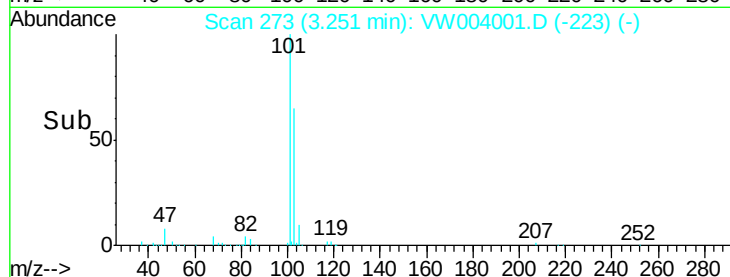
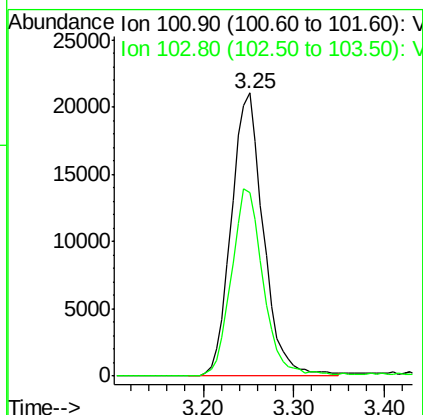
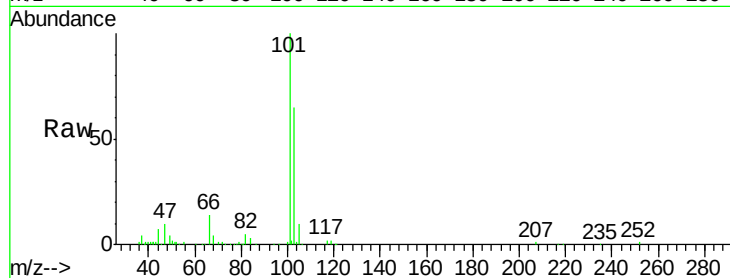


#7

Trichlorofluoromethane
Concen: 50.249 ug/l
RT: 3.25 min Scan# 273
Delta R.T. 0.01 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Instrument :
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ClientSampleId :
VSTDCCC050

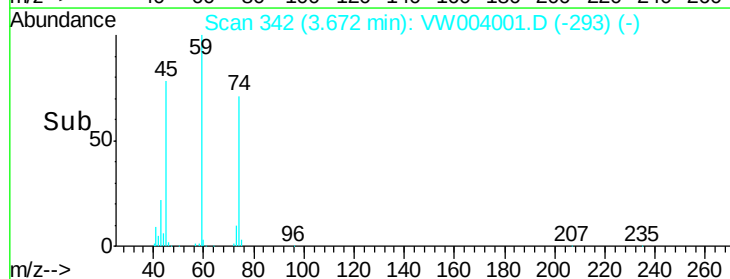
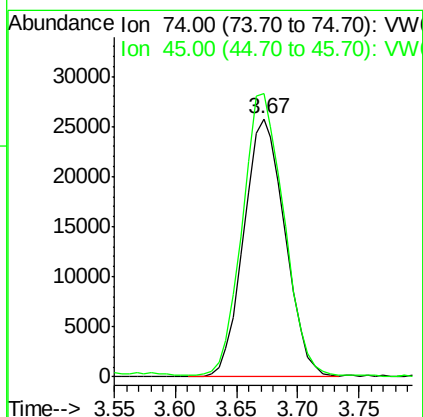
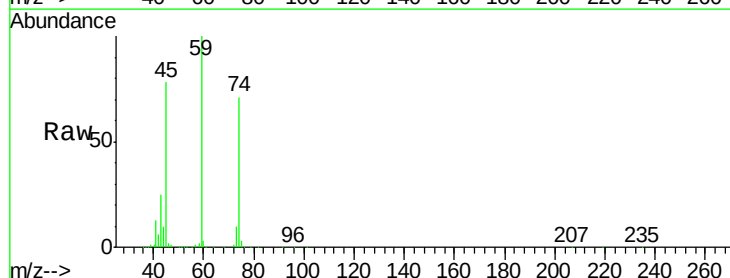
Tot Ion:101 Resp: 51800
Ion Ratio Lower Upper
101 100
103 64.7 49.0 73.6

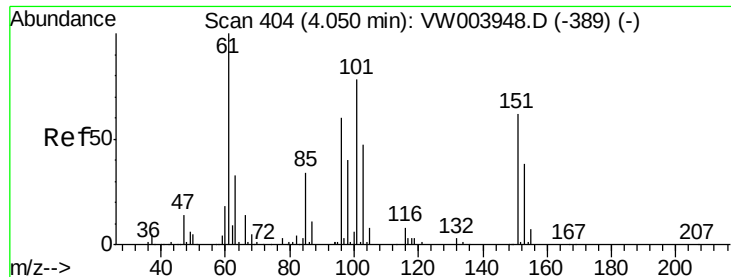


#8

Diethyl Ether
Concen: 50.451 ug/l
RT: 3.67 min Scan# 342
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion: 74 Resp: 60369
Ion Ratio Lower Upper
74 100
45 110.0 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.657 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

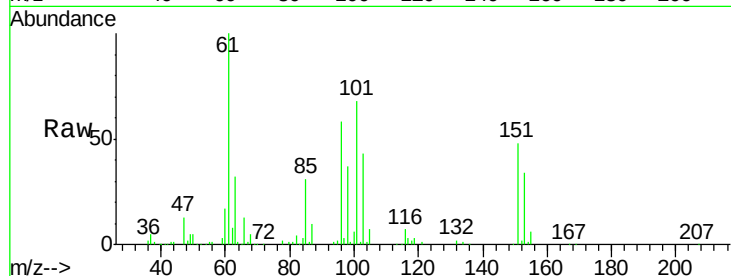
Tot Ion:101 Resp: 115743

Ion Ratio Lower Upper

101 100

85 45.5 35.8 53.6

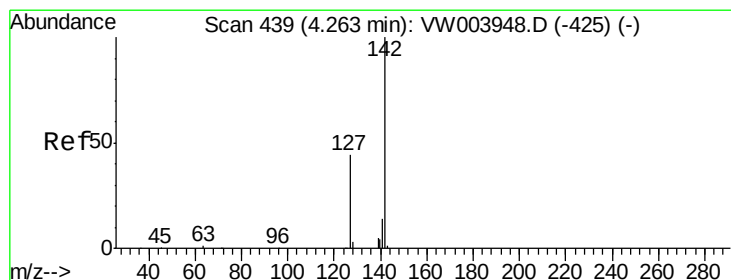
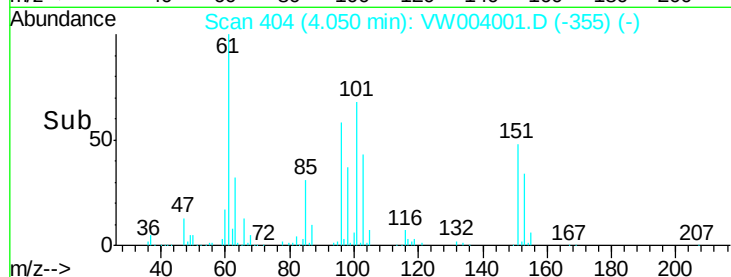
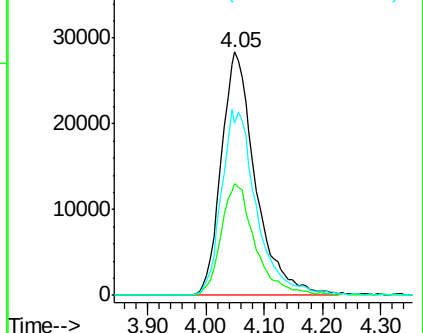
151 77.8 63.6 95.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.212 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.01 min

Lab File: VW004001.D

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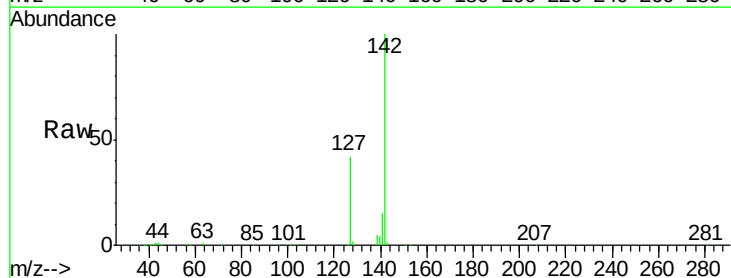
Tgt Ion:142 Resp: 178381

Ion Ratio Lower Upper

142 100

127 45.3 35.4 53.2

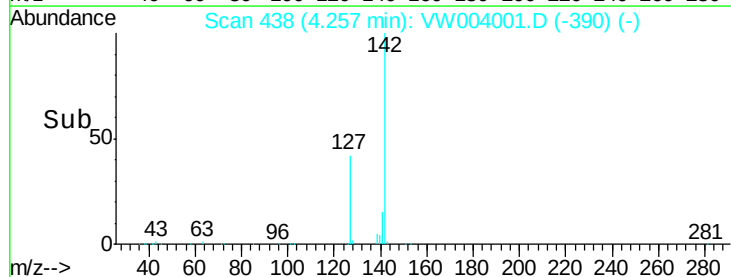
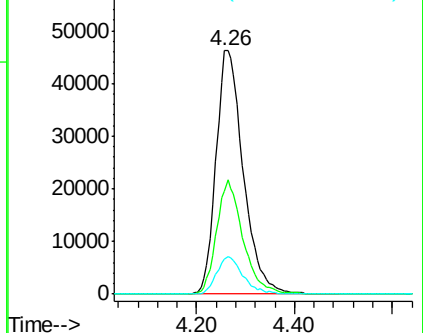
141 14.9 11.7 17.5

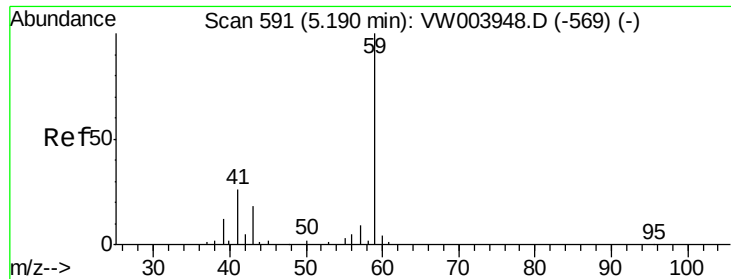


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



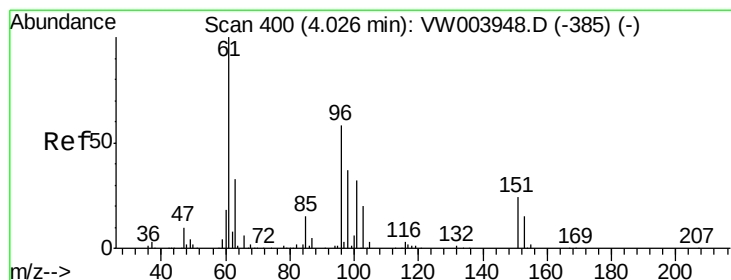
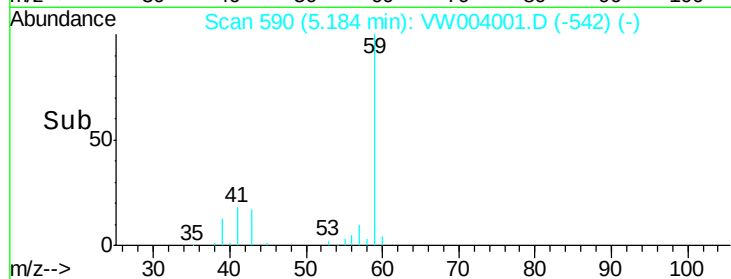
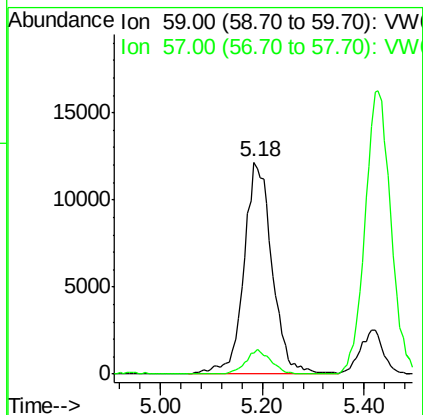
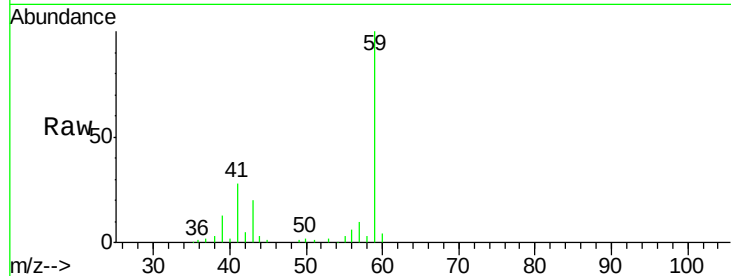


#11

Tert butyl alcohol
 Concen: 251.348 ug/l
 RT: 5.18 min Scan# 590
 Delta R.T. -0.01 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

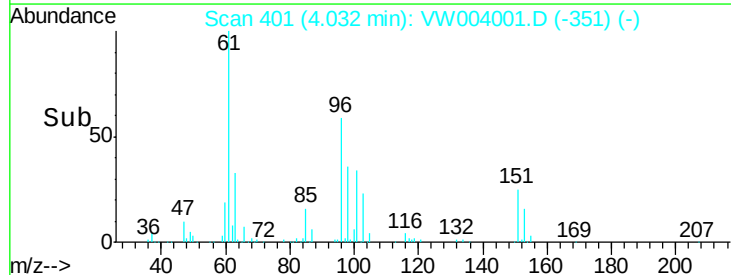
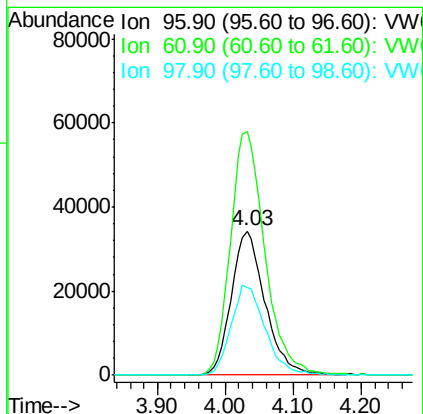
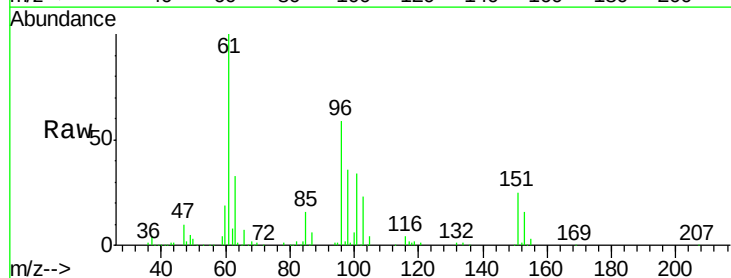
Tot Ion: 59 Resp: 46842
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.5 12.7

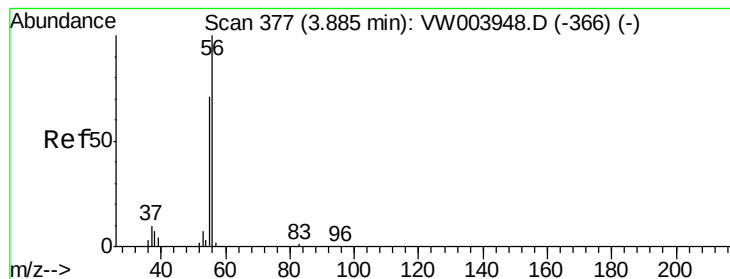


#12

1,1-Dichloroethene
 Concen: 50.333 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. 0.01 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Tgt Ion: 96 Resp: 118138
 Ion Ratio Lower Upper
 96 100
 61 169.0 137.0 205.6
 98 60.3 50.2 75.4





#13

Acrolein

Concen: 254.560 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

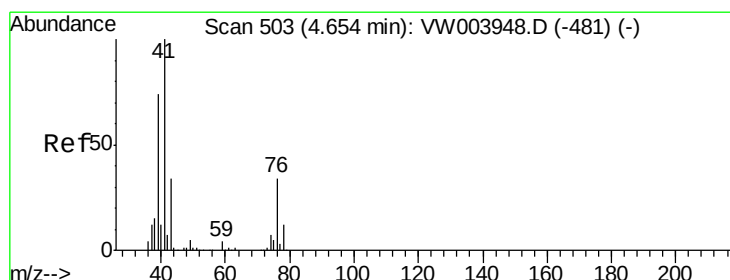
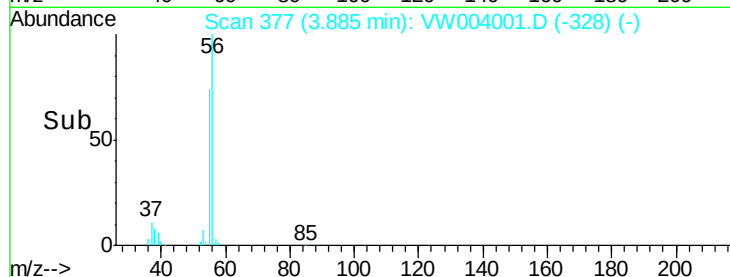
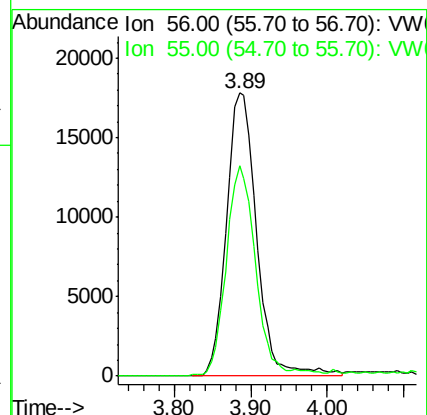
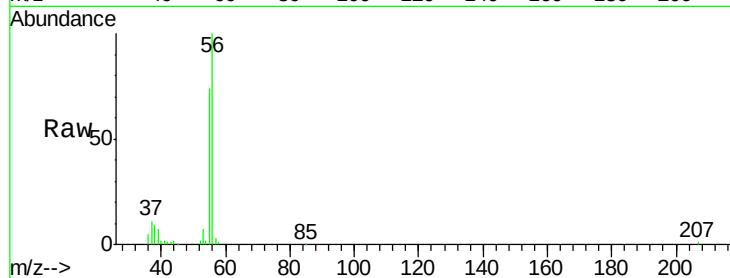
VSTDCCC050

Tot Ion: 56 Resp: 48745

Ion Ratio Lower Upper

56 100

55 71.2 58.2 87.4



#14

Allyl chloride

Concen: 53.222 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.01 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

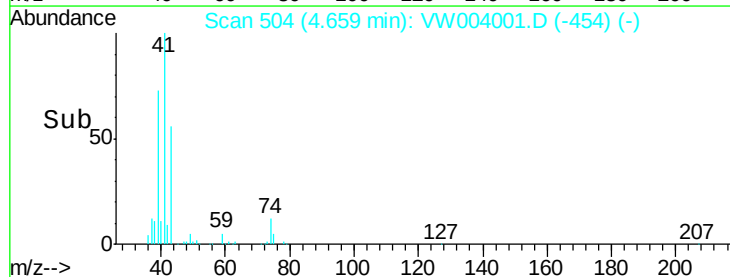
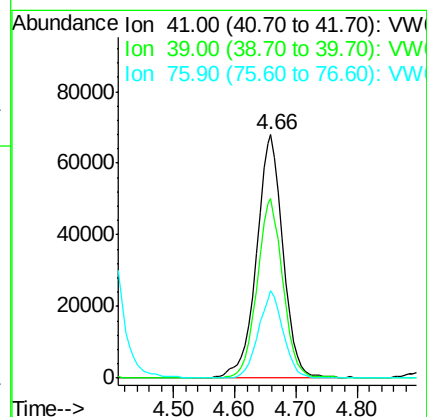
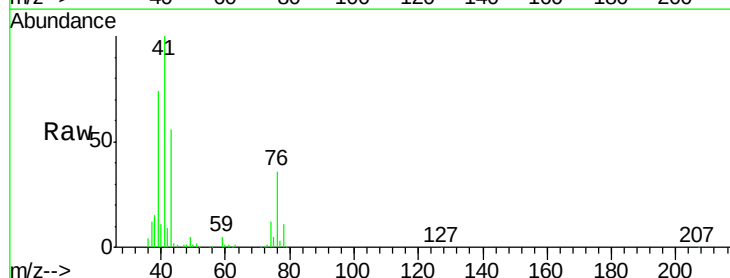
Tgt Ion: 41 Resp: 206194

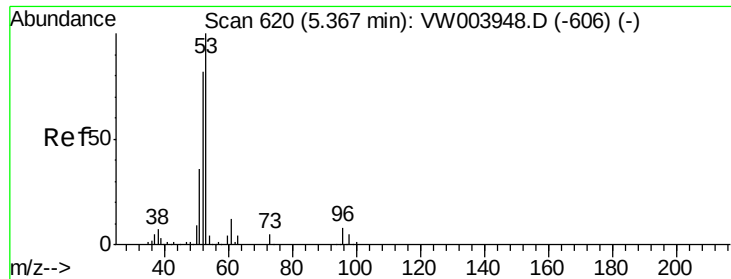
Ion Ratio Lower Upper

41 100

39 71.9 57.0 85.4

76 33.1 26.5 39.7





#15

Acrylonitrile

Concen: 272.687 ug/l

RT: 5.37 min Scan# 620

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

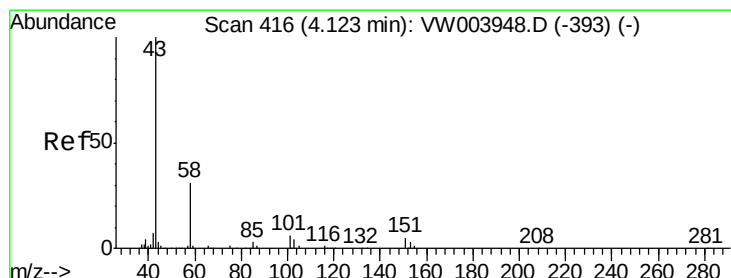
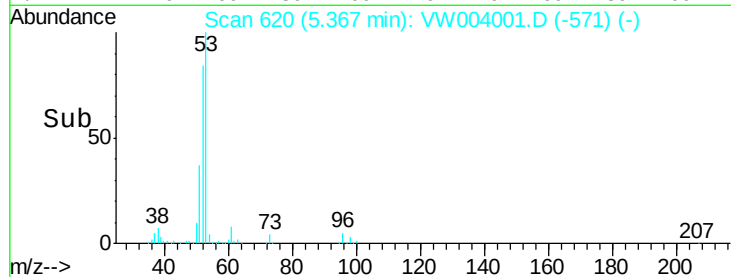
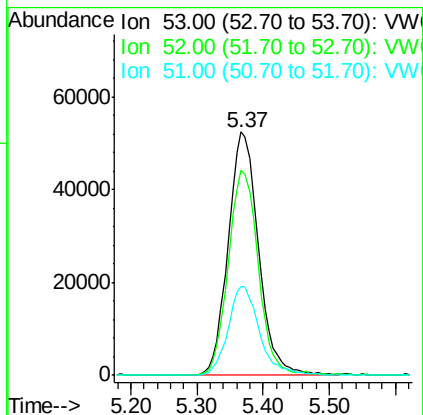
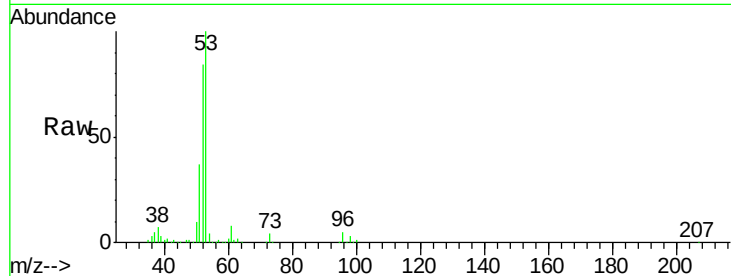
Tot Ion: 53 Resp: 167200

Ion Ratio Lower Upper

53 100

52 83.5 66.1 99.1

51 37.8 29.8 44.6



#16

Acetone

Concen: 213.692 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.00 min

Lab File: VW004001.D

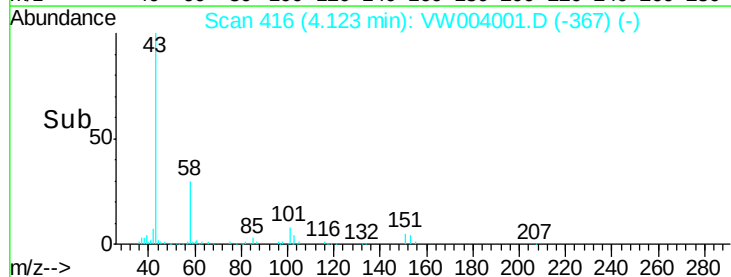
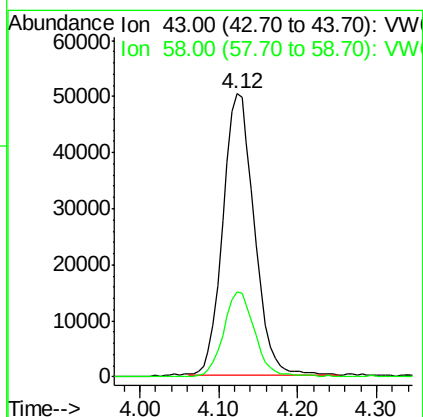
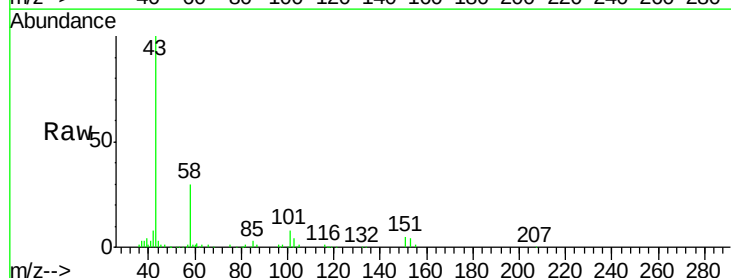
Acq: 17 Jul 2018 23:33

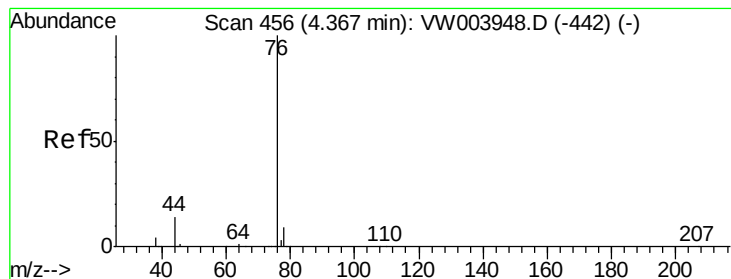
Tgt Ion: 43 Resp: 138626

Ion Ratio Lower Upper

43 100

58 30.0 24.5 36.7





#17

Carbon Disulfide

Concen: 50.541 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

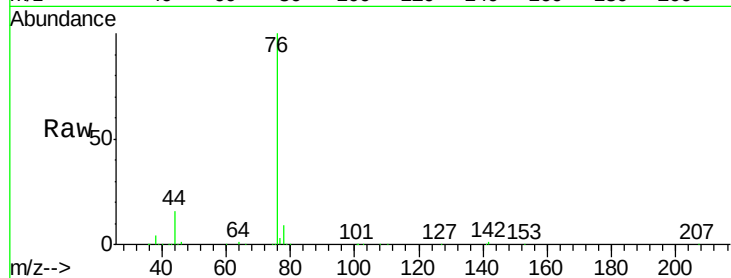
VSTDCCC050

Tot Ion: 76 Resp: 370273

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

120000

100000

80000

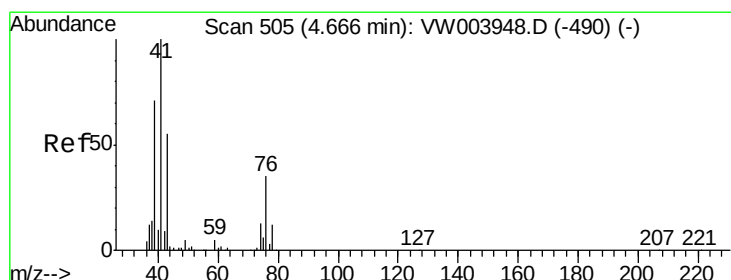
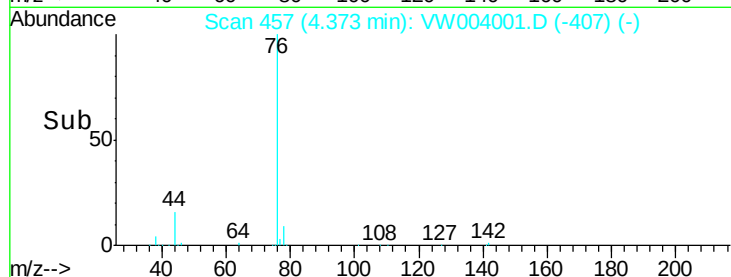
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 80.714 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.01 min

Lab File: VW004001.D

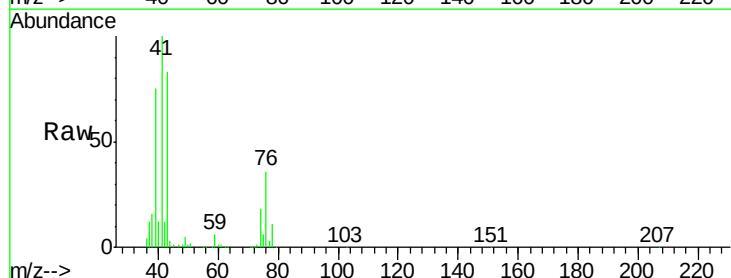
Acq: 17 Jul 2018 23:33

Tgt Ion: 43 Resp: 125687

Ion Ratio Lower Upper

43 100

74 22.0 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

50000

40000

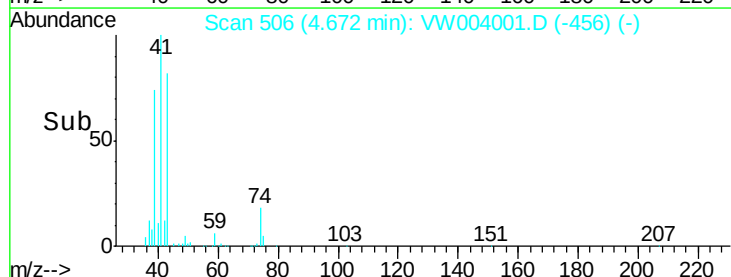
30000

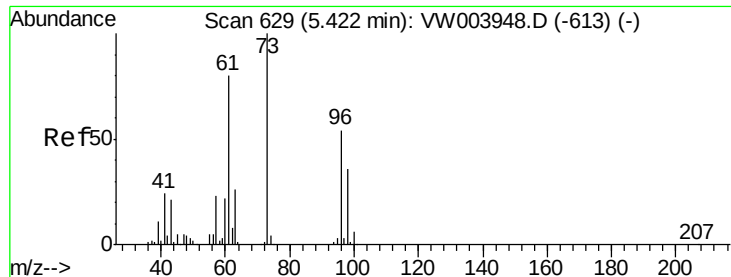
20000

10000

0

Time-->

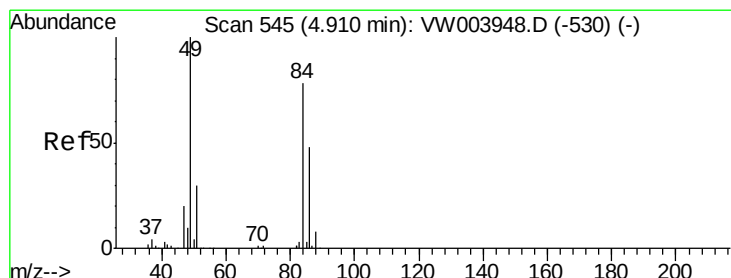
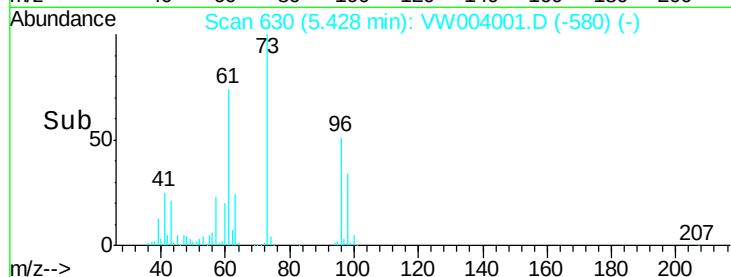
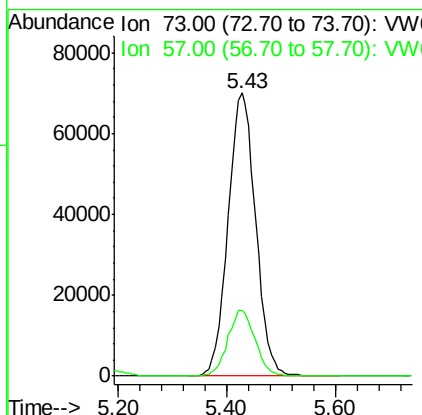
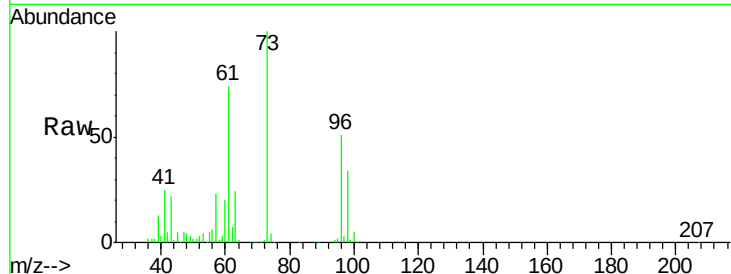




#19
Methyl tert-butyl Ether
Concen: 54.864 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

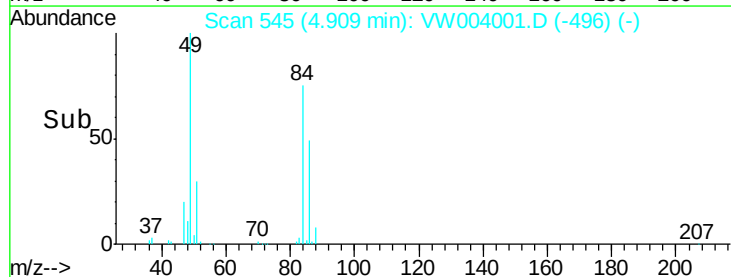
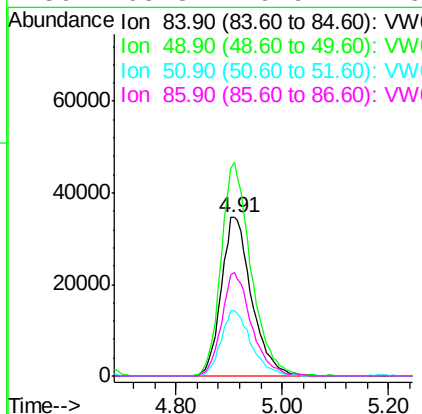
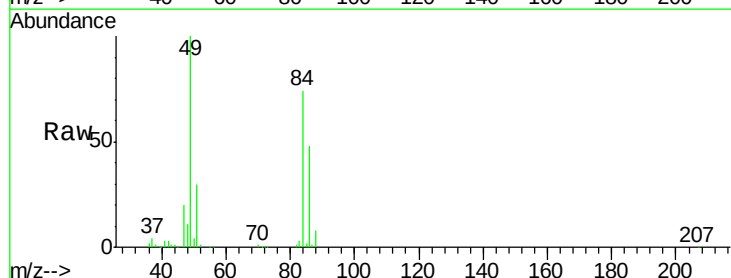
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

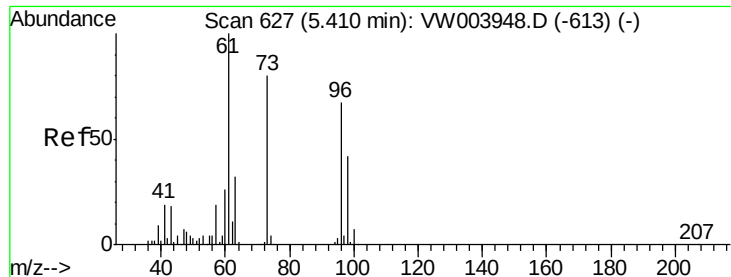
Tot Ion: 73 Resp: 246796
Ion Ratio Lower Upper
73 100
57 23.2 18.2 27.4



#20
Methylene Chloride
Concen: 47.871 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion: 84 Resp: 138067
Ion Ratio Lower Upper
84 100
49 134.6 102.9 154.3
51 40.9 30.9 46.3
86 65.3 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 52.547 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.01 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

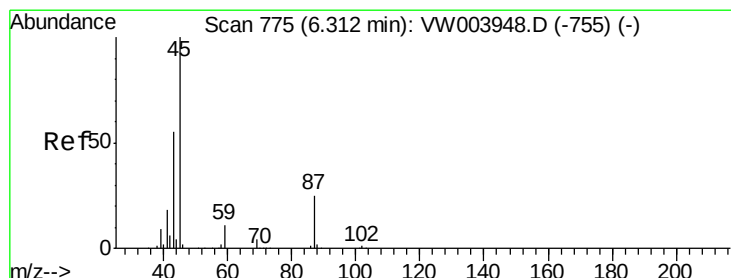
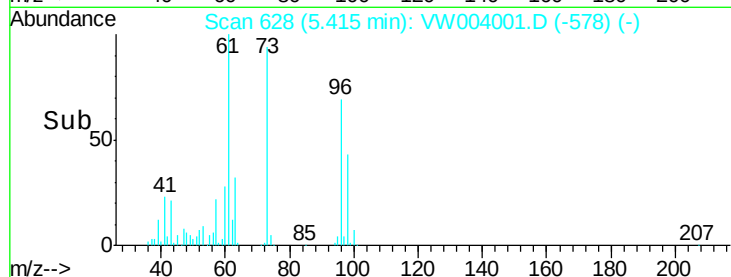
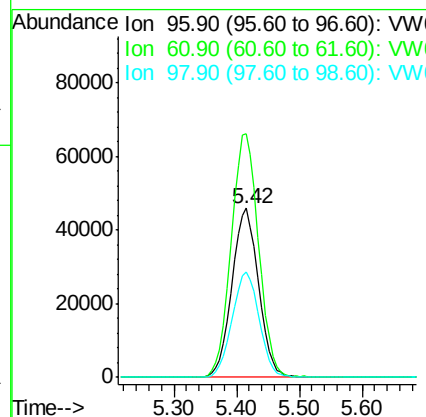
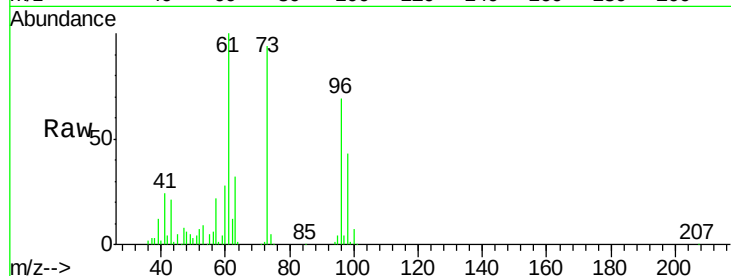
Tot Ion: 96 Resp: 135193

Ion Ratio Lower Upper

96 100

61 144.0 119.0 178.4

98 62.6 49.9 74.9



#22

Diisopropyl ether

Concen: 56.440 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Tgt Ion: 45 Resp: 441921

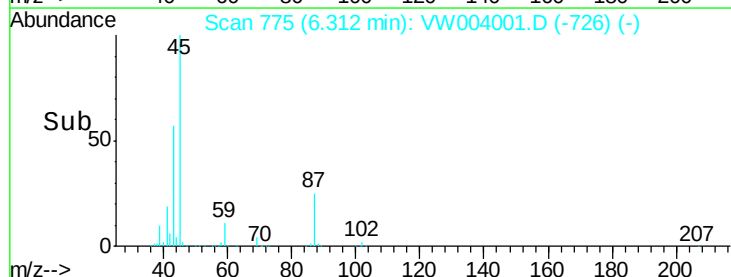
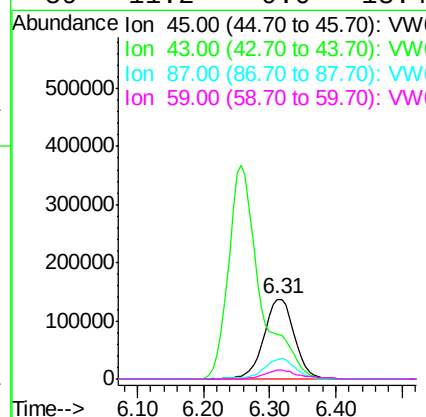
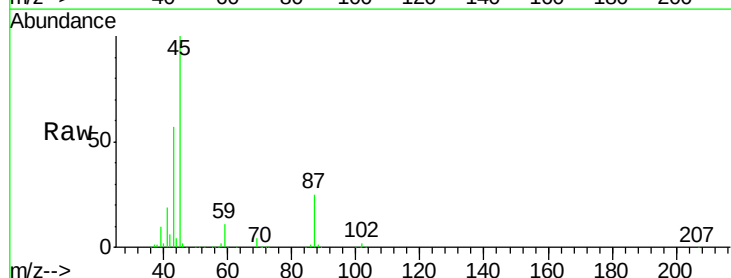
Ion Ratio Lower Upper

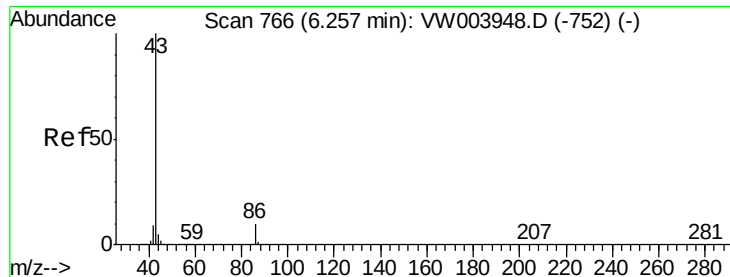
45 100

43 56.9 44.3 66.5

87 24.7 20.2 30.4

59 11.2 9.0 13.4





#23

Vinyl Acetate

Concen: 244.579 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

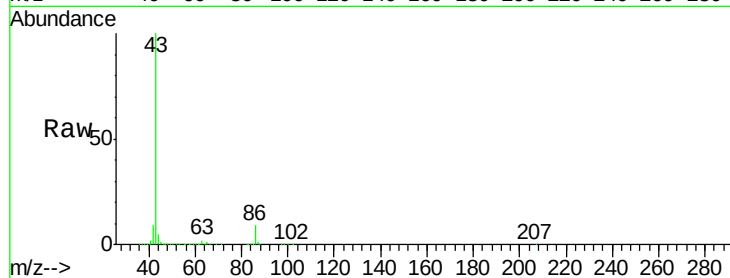
VSTDCCC050

Tot Ion: 43 Resp: 1213393

Ion Ratio Lower Upper

43 100

86 9.3 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

400000

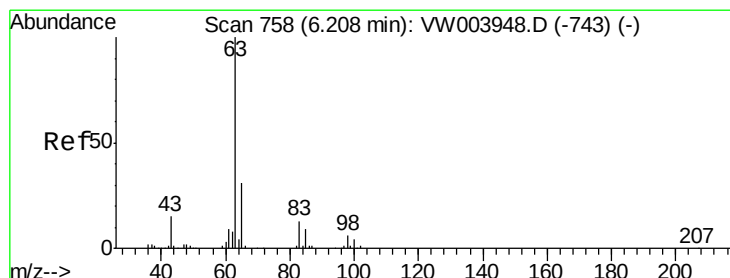
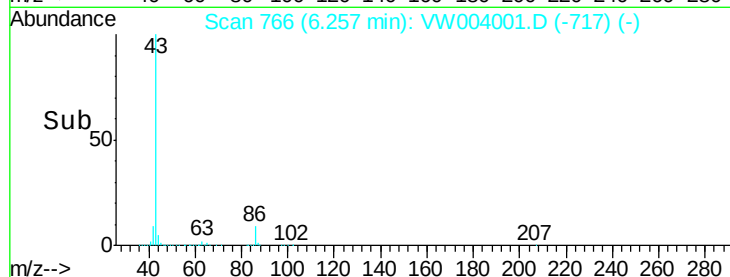
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.675 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.01 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

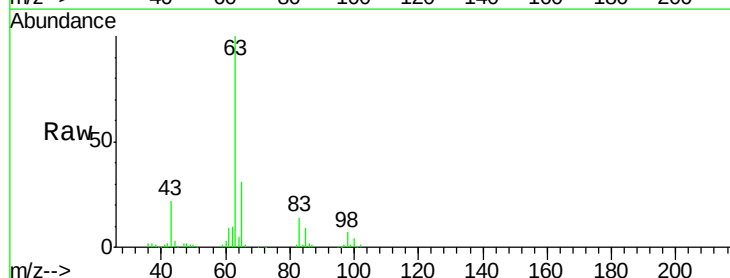
Tgt Ion: 63 Resp: 256437

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

100 4.0 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

100000

80000

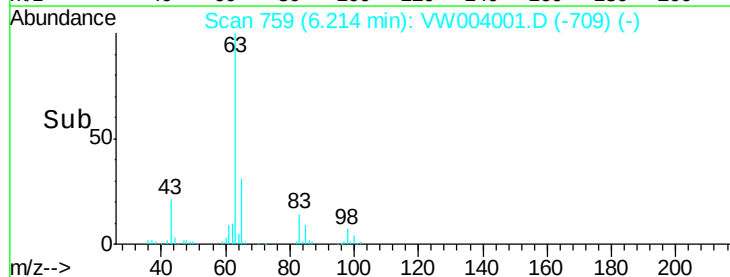
60000

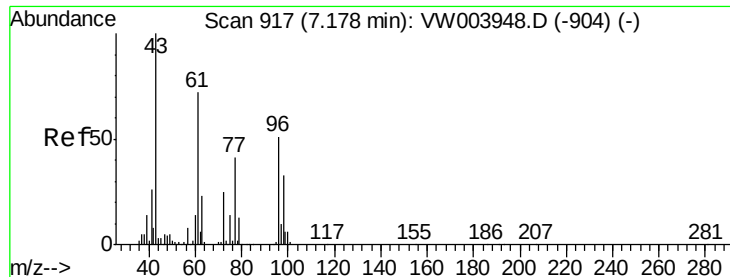
40000

20000

0

Time-->





#25

2-Butanone

Concen: 260.211 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

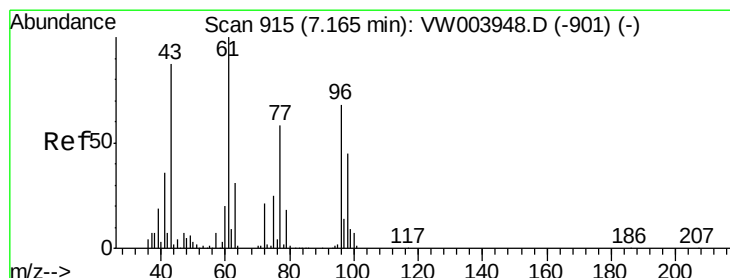
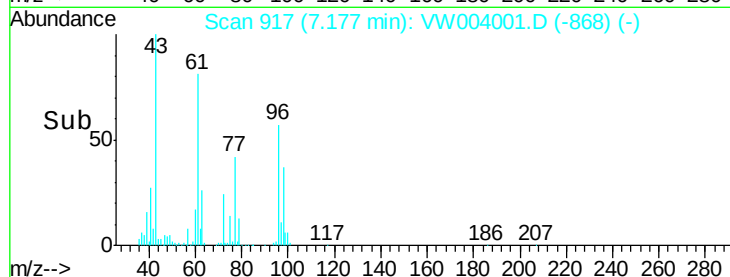
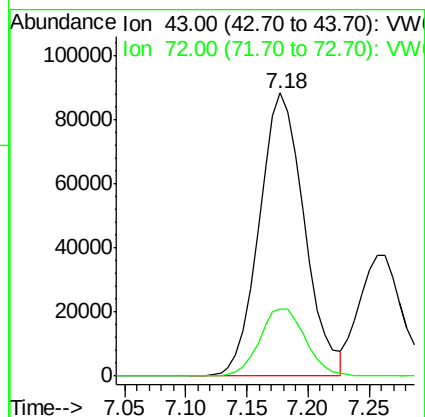
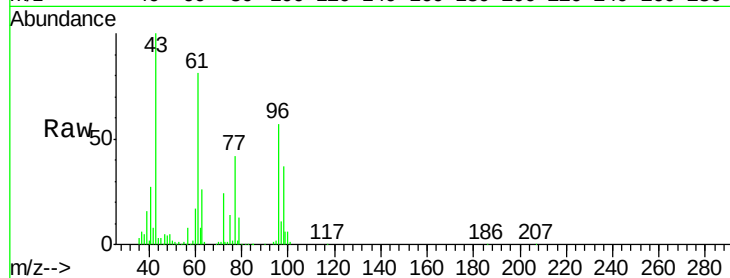
VSTDCCC050

Tot Ion: 43 Resp: 227162

Ion Ratio Lower Upper

43 100

72 23.6 19.8 29.6



#26

2,2-Dichloropropane

Concen: 45.443 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW004001.D

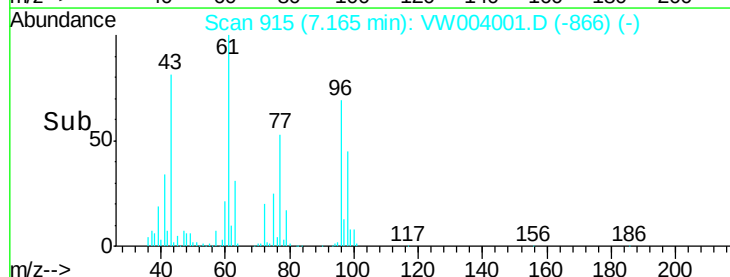
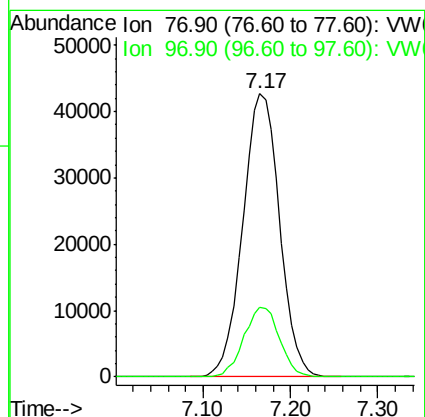
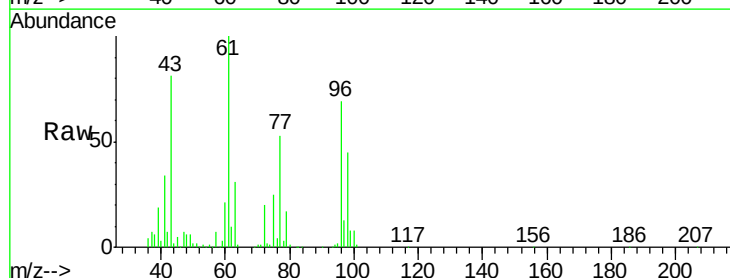
Acq: 17 Jul 2018 23:33

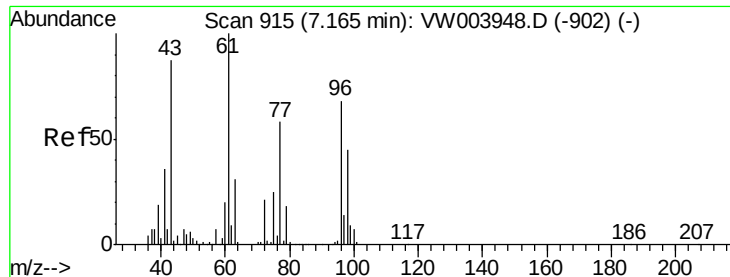
Tgt Ion: 77 Resp: 124624

Ion Ratio Lower Upper

77 100

97 24.1 11.8 35.3



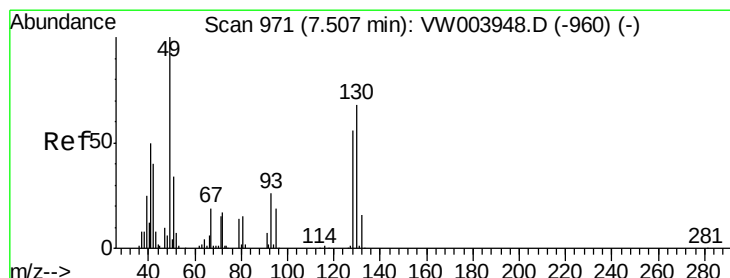
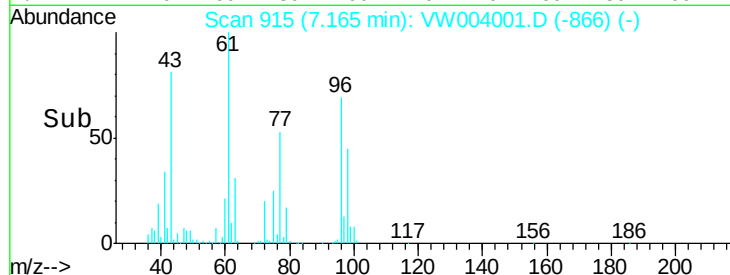
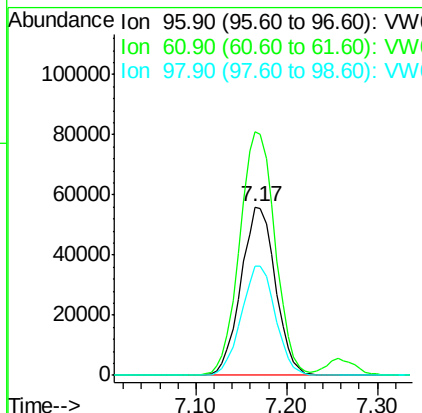
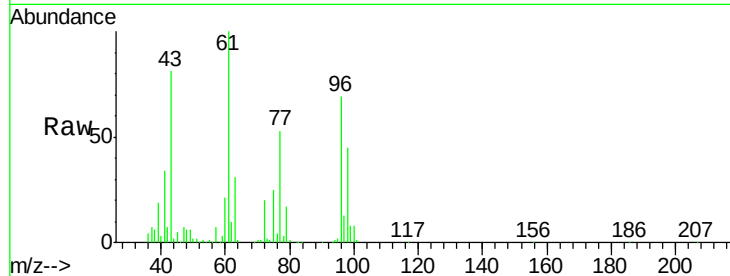


#27

cis-1,2-Dichloroethene
Concen: 53.084 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

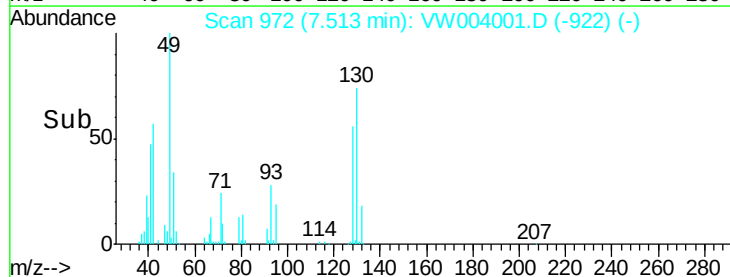
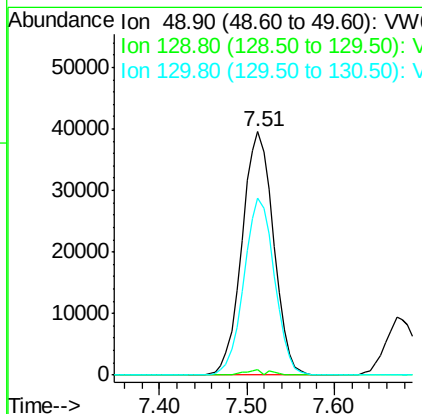
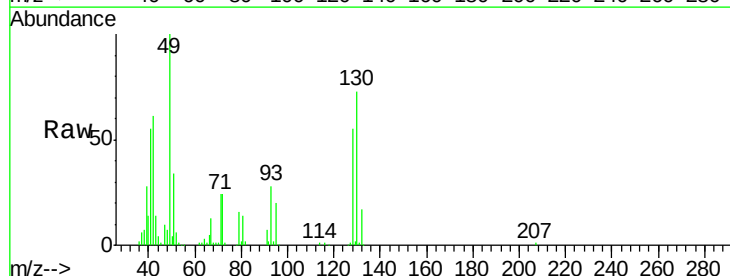
Tot Ion: 96 Resp: 147640
Ion Ratio Lower Upper
96 100
61 148.1 0.0 298.6
98 64.2 0.0 130.4

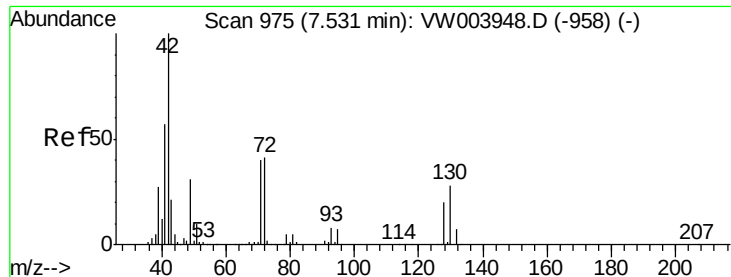


#28

Bromochloromethane
Concen: 50.642 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.01 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion: 49 Resp: 99014
Ion Ratio Lower Upper
49 100
129 1.1 0.0 2.2
130 70.3 58.3 87.5

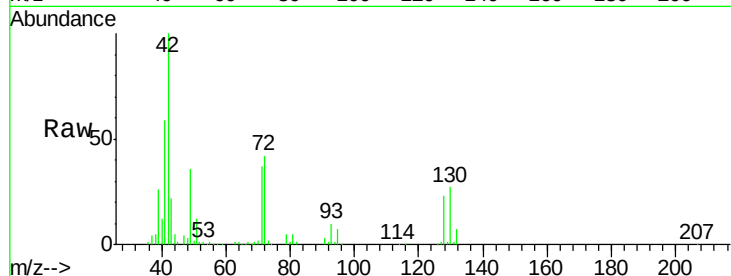




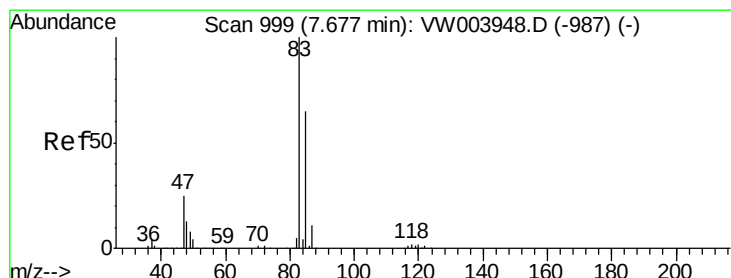
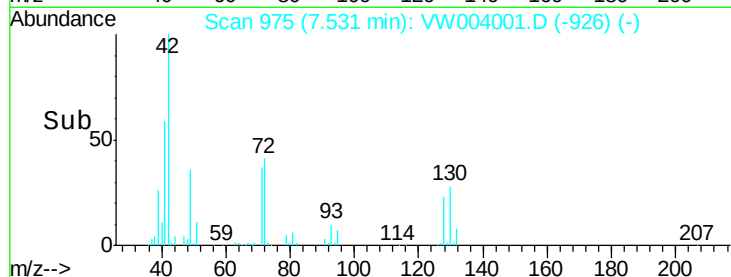
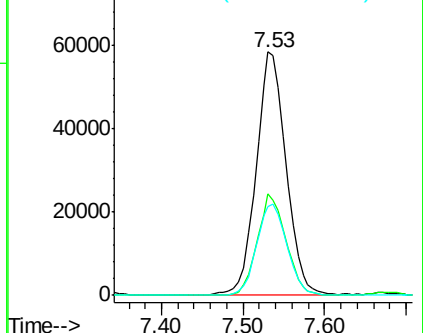
#29
Tetrahydrofuran
Concen: 273.649 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 148806
Ion Ratio Lower Upper
42 100
72 40.1 32.6 48.8
71 38.3 30.5 45.7

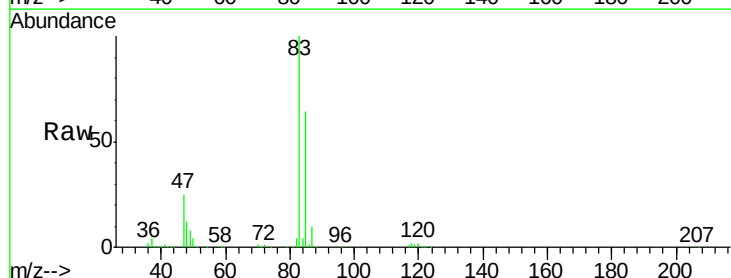


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

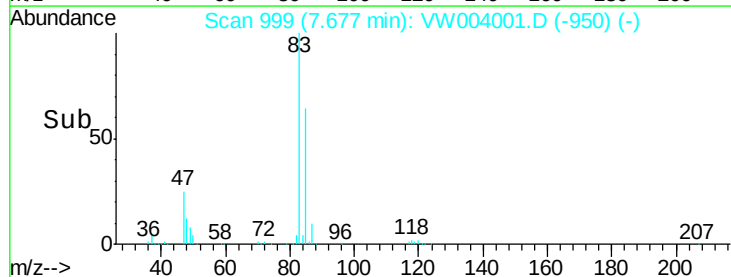
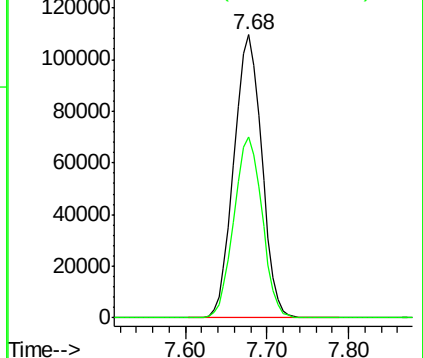


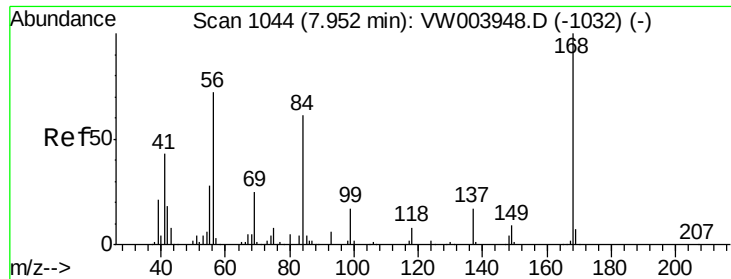
#30
Chloroform
Concen: 54.555 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion: 83 Resp: 259257
Ion Ratio Lower Upper
83 100
85 64.1 52.2 78.4



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

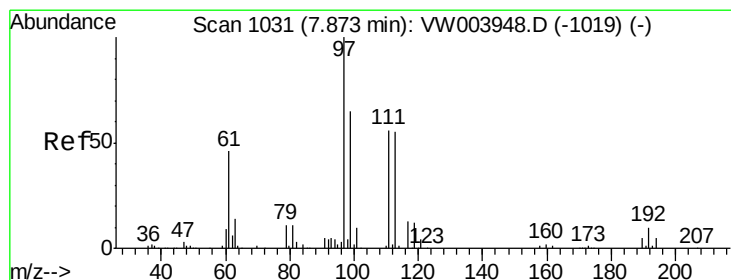
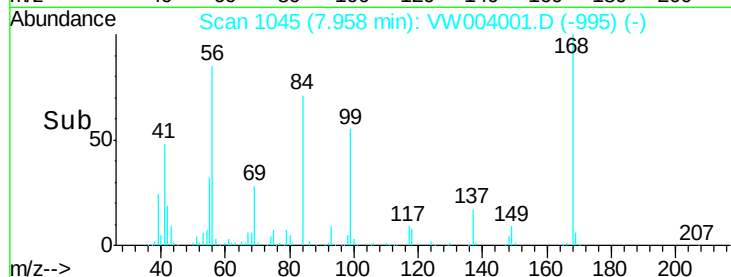
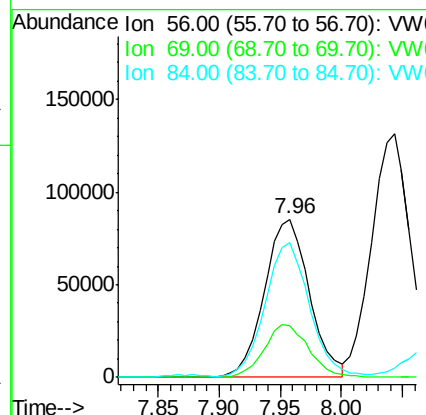
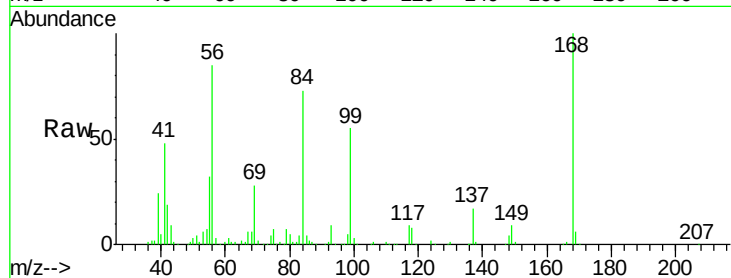




#31
Cyclohexane
Concen: 48.695 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

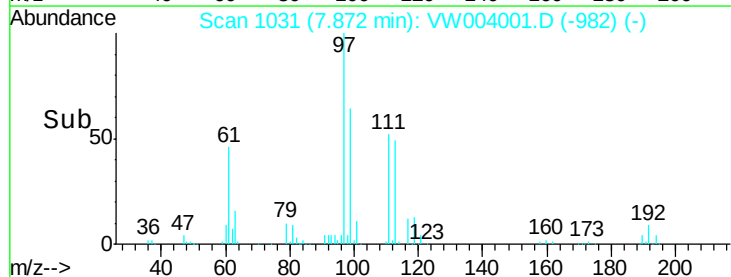
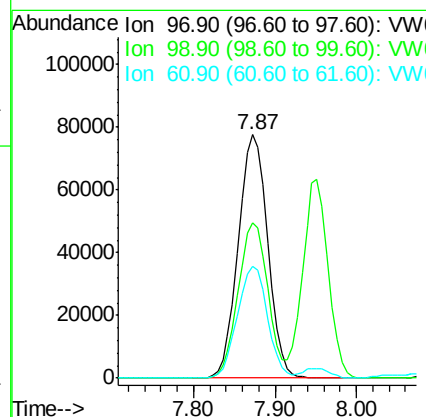
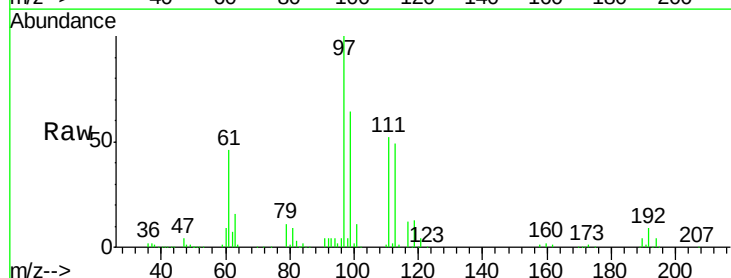
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

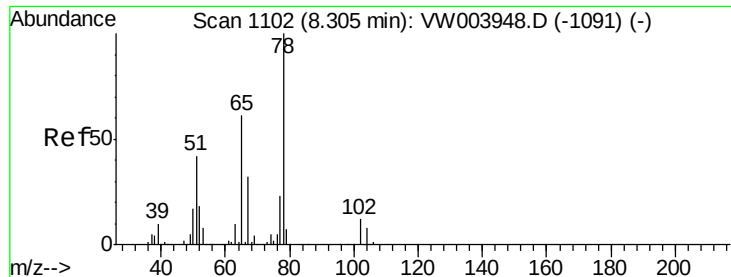
Tot Ion: 56 Resp: 218078
Ion Ratio Lower Upper
56 100
69 32.7 27.8 41.8
84 83.6 67.2 100.8



#32
1,1,1-Trichloroethane
Concen: 52.267 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion: 97 Resp: 193959
Ion Ratio Lower Upper
97 100
99 63.9 51.3 76.9
61 46.8 36.8 55.2

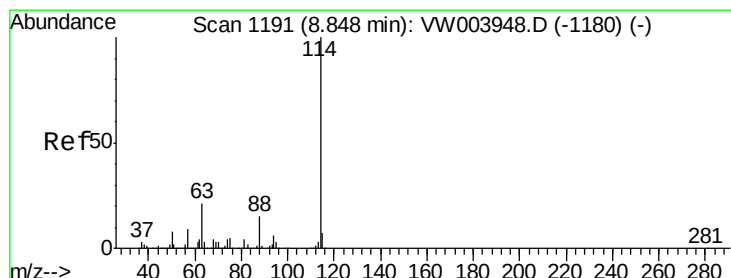
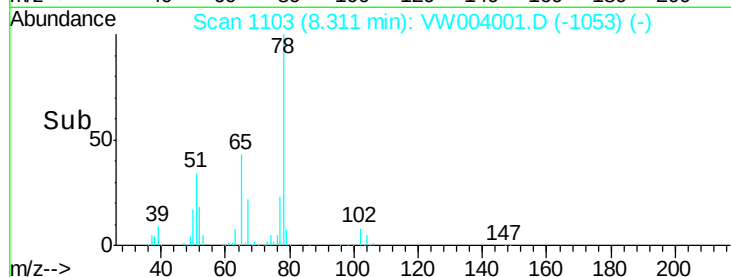
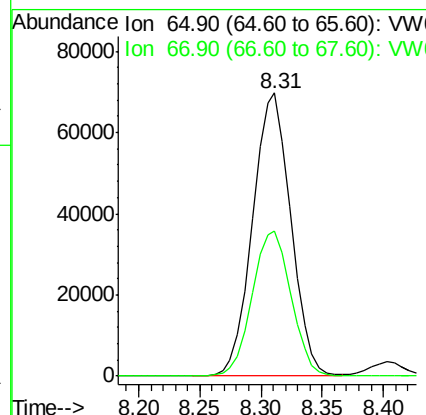
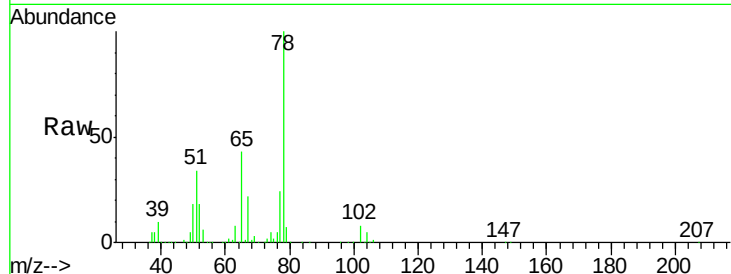




#33
 1,2-Dichloroethane-d4
 Concen: 56.148 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

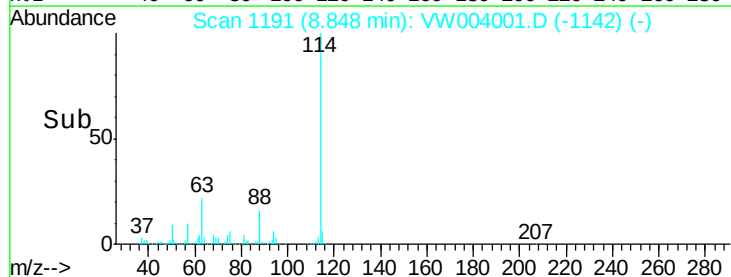
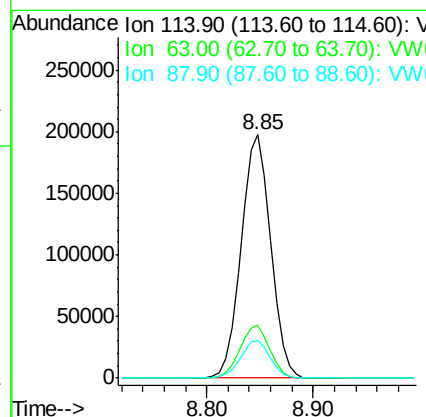
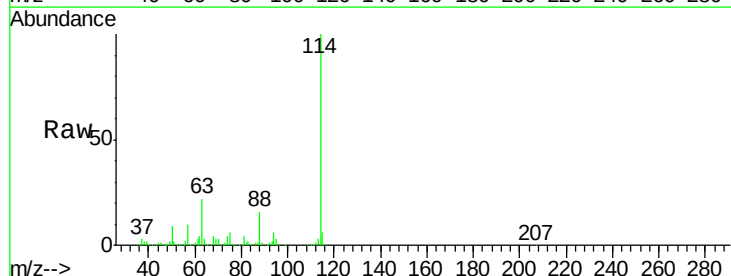
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

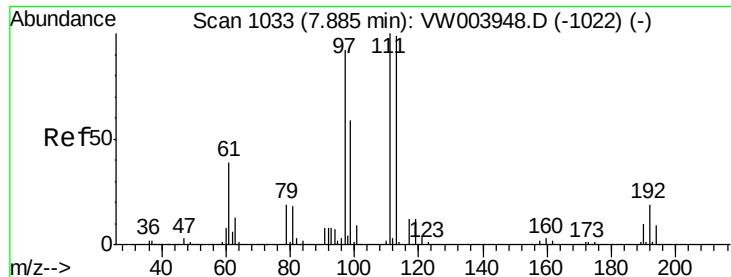
Tot Ion: 65 Resp: 151579
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Tgt Ion: 114 Resp: 383668
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 42.8
 88 15.5 0.0 30.4

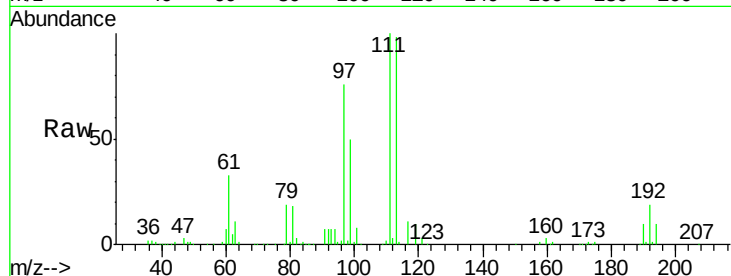




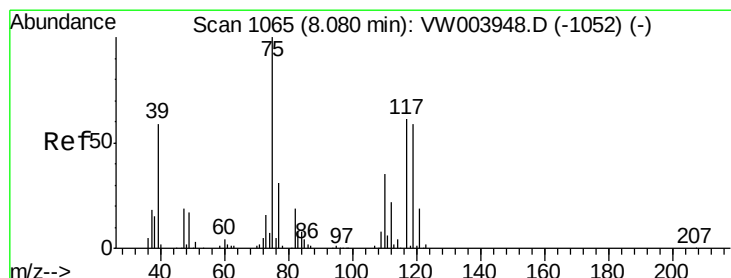
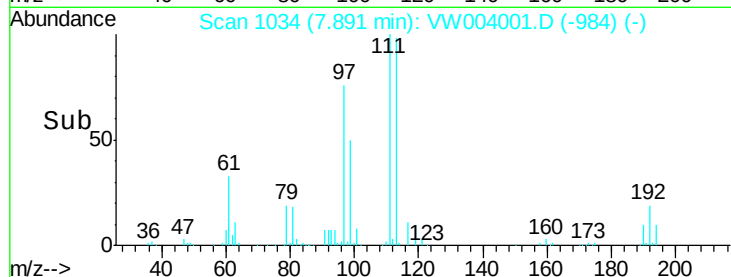
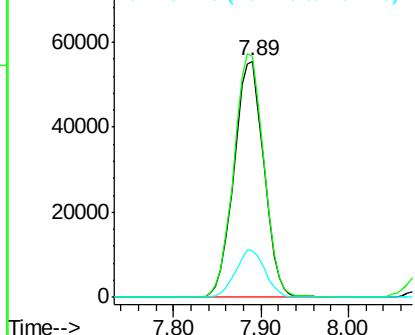
#35
 Dibromofluoromethane
 Concen: 53.665 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.3	121.9
192	19.8	15.8	23.6

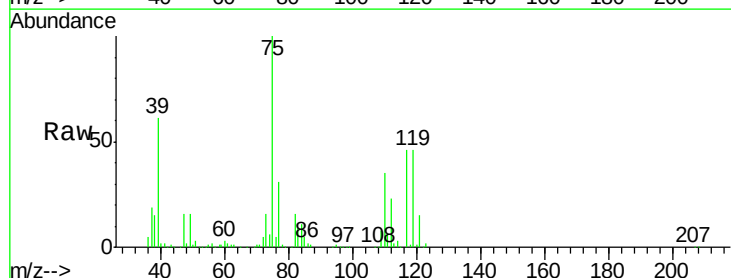


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

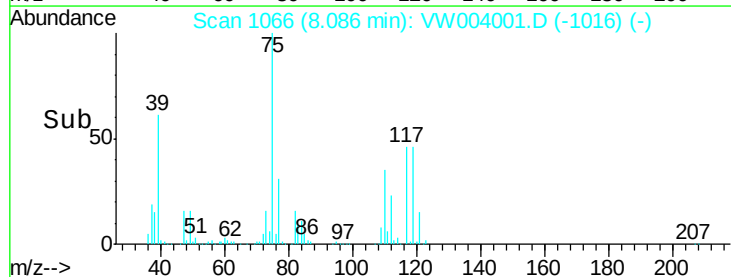
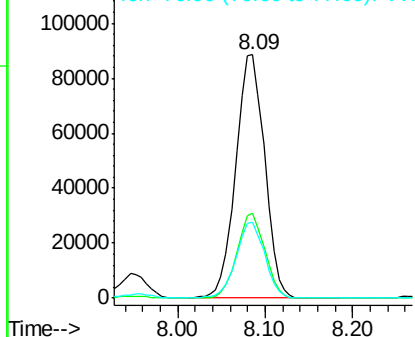


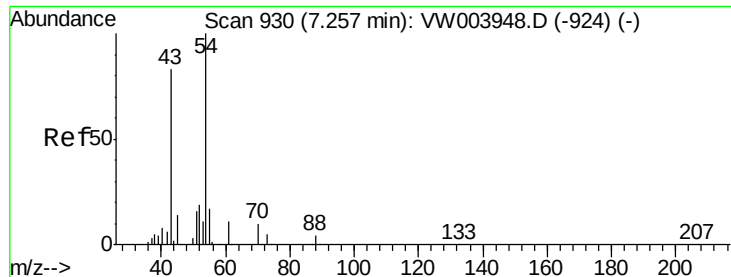
#36
 1,1-Dichloropropene
 Concen: 51.795 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.5	17.0	51.0
77	30.7	24.9	37.3



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

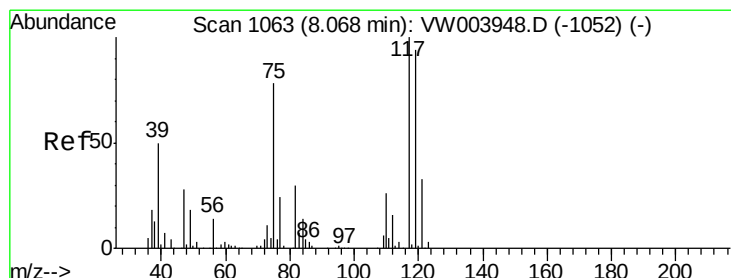
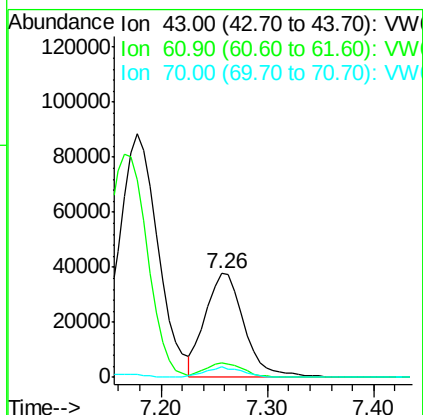
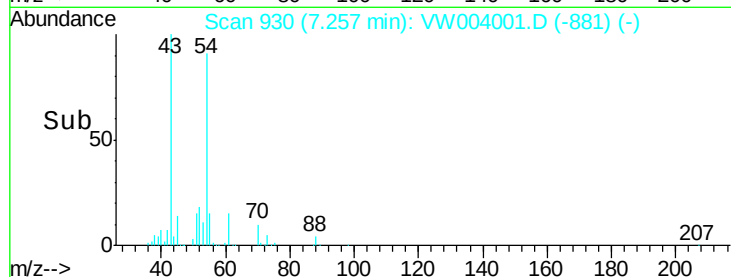
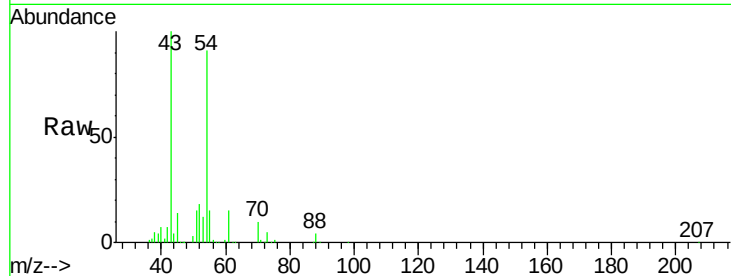




#37
Ethyl Acetate
Concen: 49.633 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

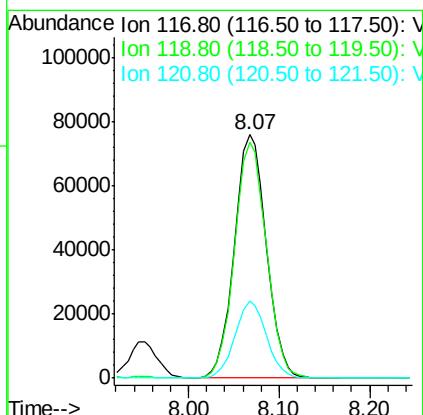
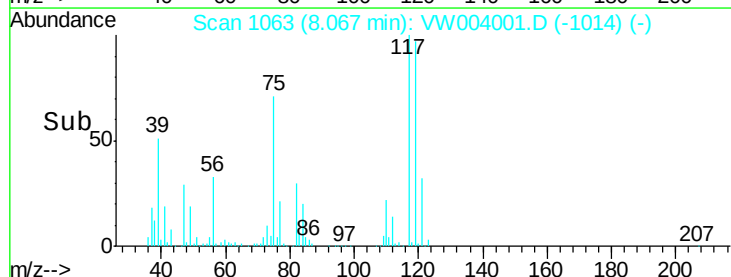
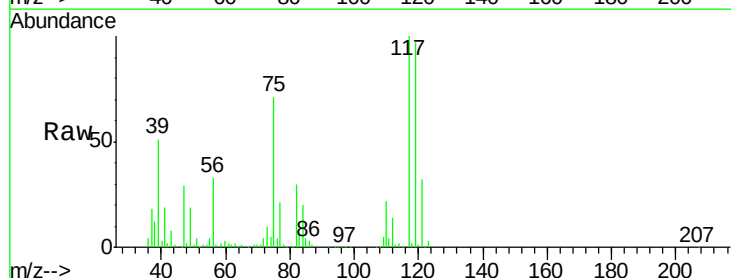
Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050

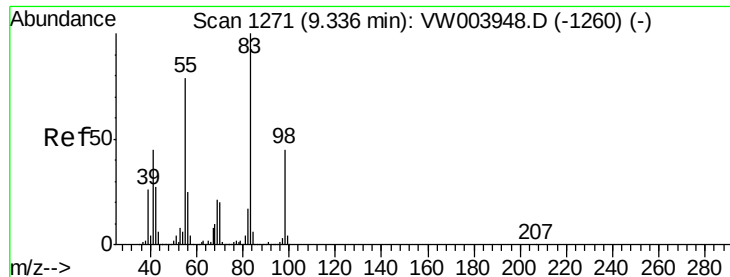
Tot Ion: 43 Resp: 94499
Ion Ratio Lower Upper
43 100
61 13.6 10.7 16.1
70 9.8 7.7 11.5



#38
Carbon Tetrachloride
Concen: 50.525 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion: 117 Resp: 186355
Ion Ratio Lower Upper
117 100
119 96.7 75.3 112.9
121 31.9 26.0 39.0

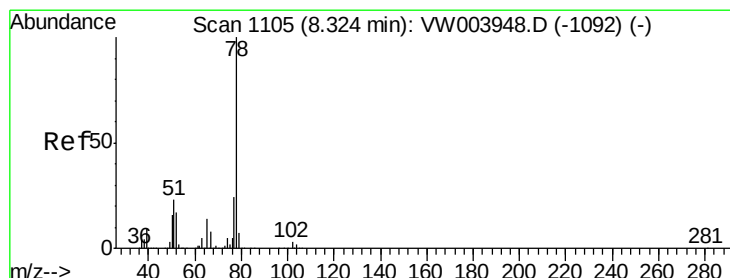
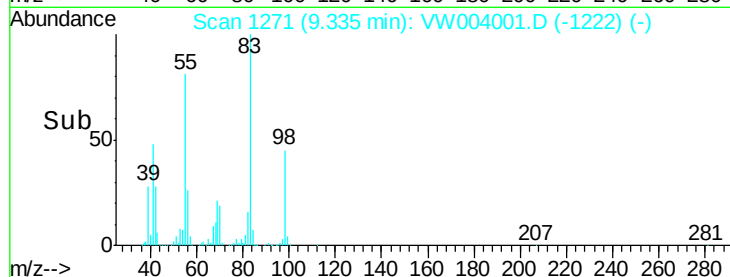
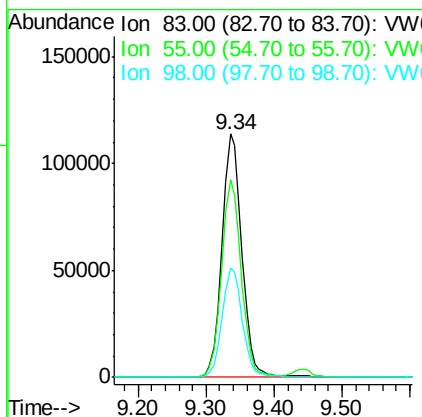
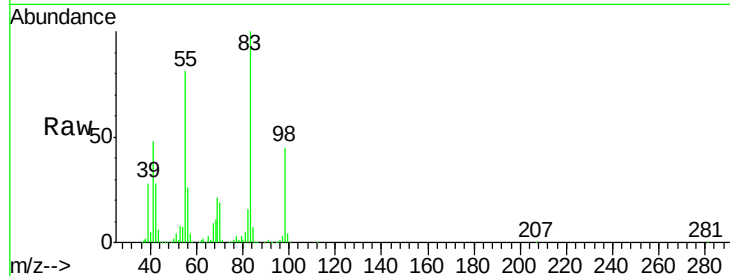




#39
Methylvlcyclohexane
Concen: 50.122 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

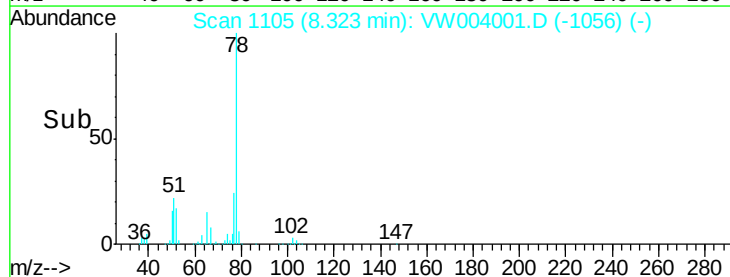
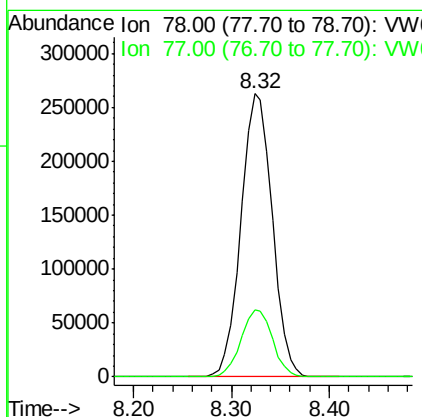
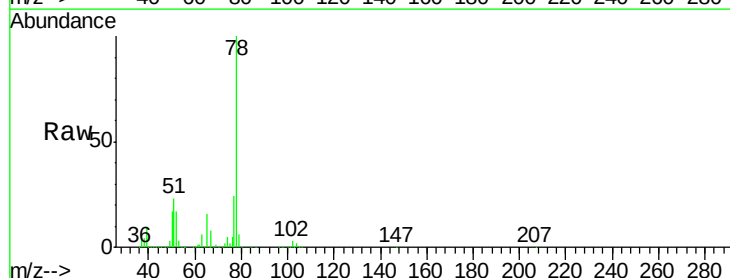
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

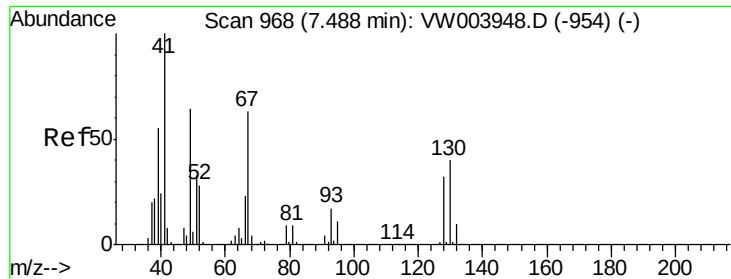
Tot Ion: 83 Resp: 231709
Ion Ratio Lower Upper
83 100
55 80.9 62.8 94.2
98 45.0 36.2 54.4



#40
Benzene
Concen: 53.117 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion: 78 Resp: 581715
Ion Ratio Lower Upper
78 100
77 23.7 19.5 29.3

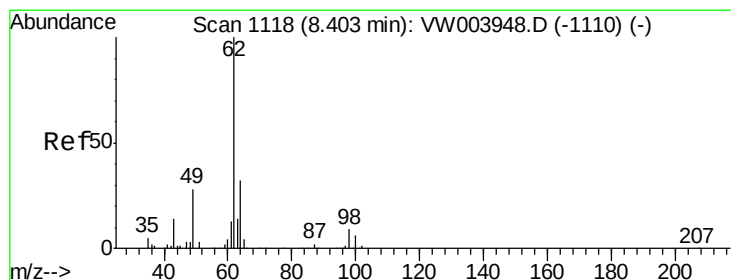
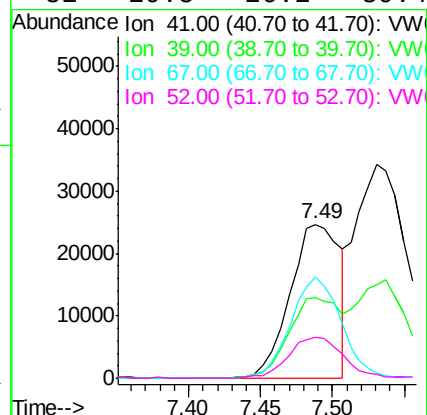
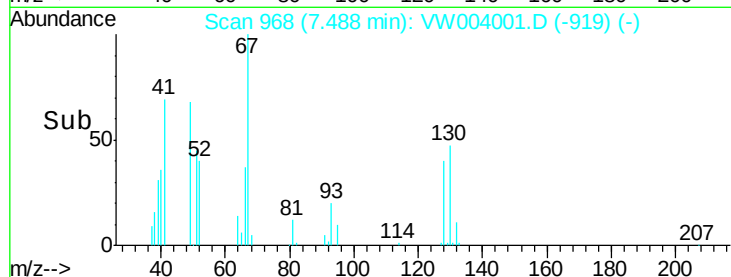
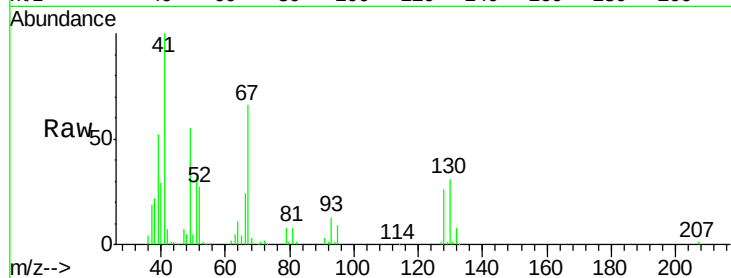




#41
Methacrylonitrile
Concen: 56.458 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

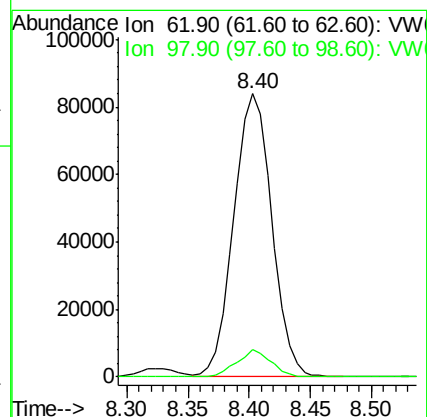
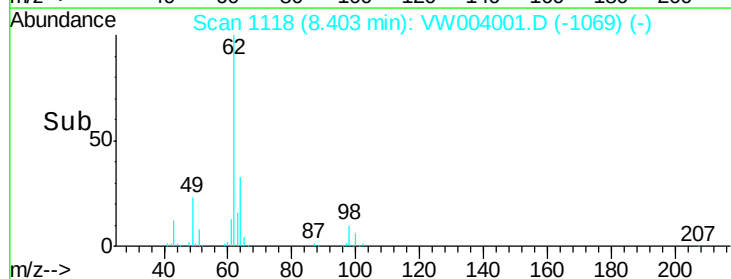
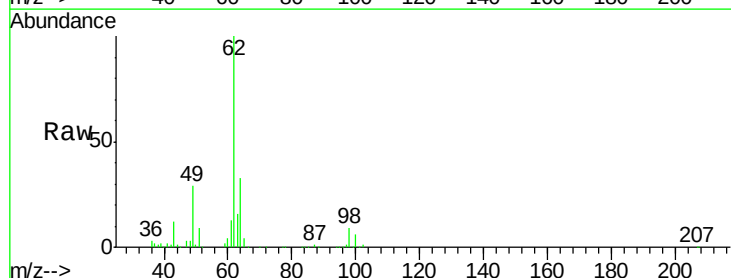
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

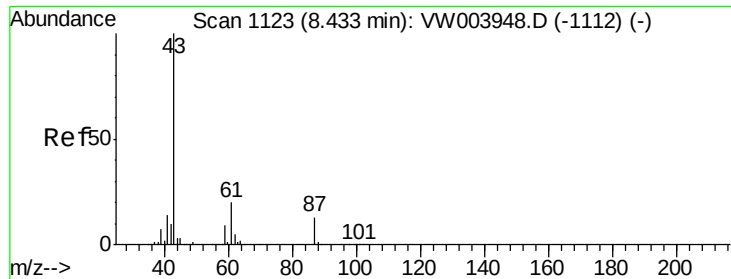
Tot Ion:	41	Resp:	59562
Ion	Ratio	Lower	Upper
41	100		
39	53.8	50.0	75.0
67	66.9	60.8	91.2
52	29.5	26.2	39.4



#42
1,2-Dichloroethane
Concen: 54.196 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion:	62	Resp:	181073
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.4





#43

Isopropyl Acetate

Concen: 53.262 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

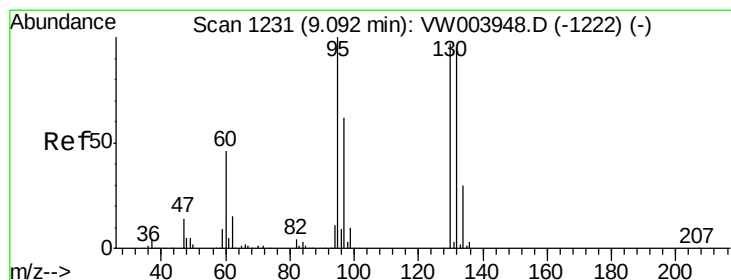
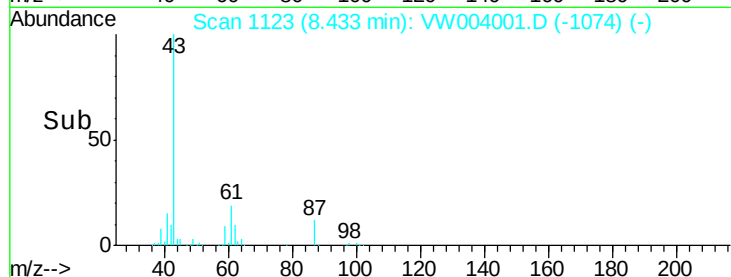
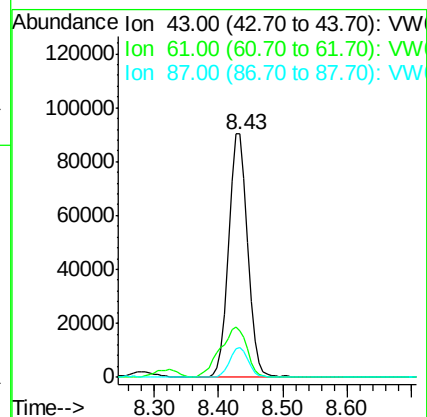
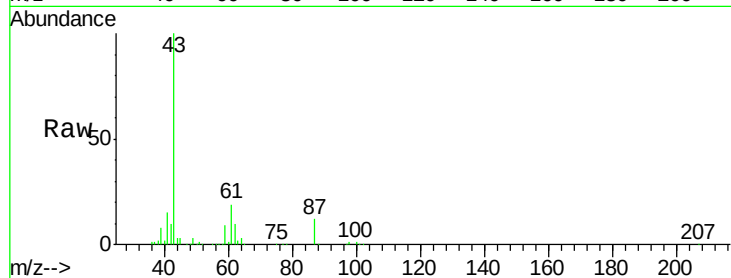
Tot Ion: 43 Resp: 189669

Ion Ratio Lower Upper

43 100

61 28.8 23.0 34.6

87 12.0 9.9 14.9



#44

Trichloroethene

Concen: 50.914 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW004001.D

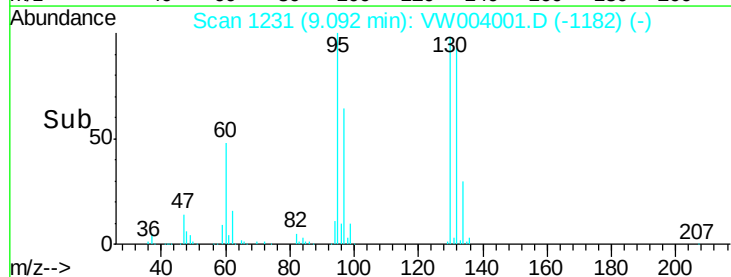
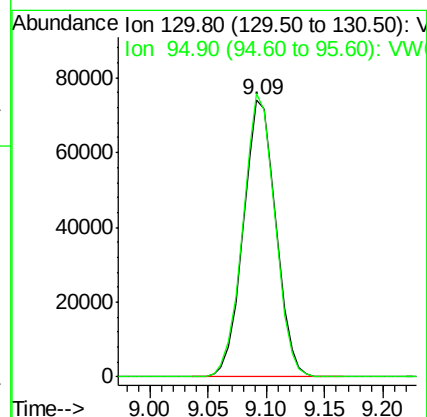
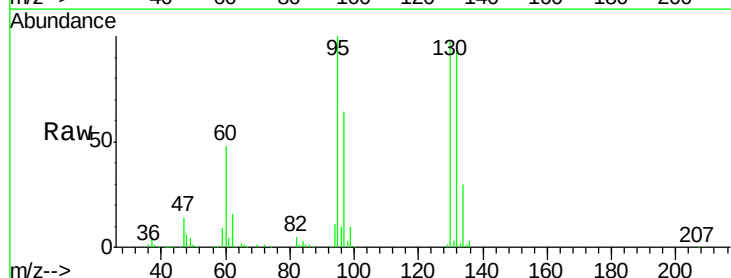
Acq: 17 Jul 2018 23:33

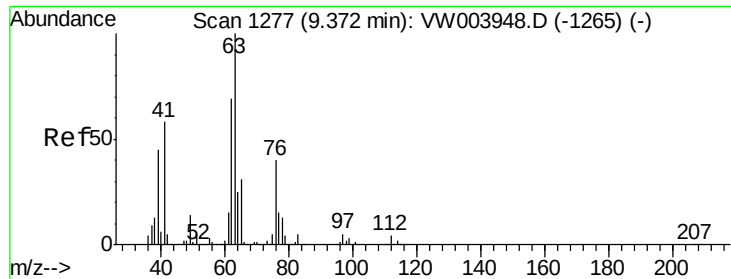
Tgt Ion: 130 Resp: 144536

Ion Ratio Lower Upper

130 100

95 102.0 0.0 206.8

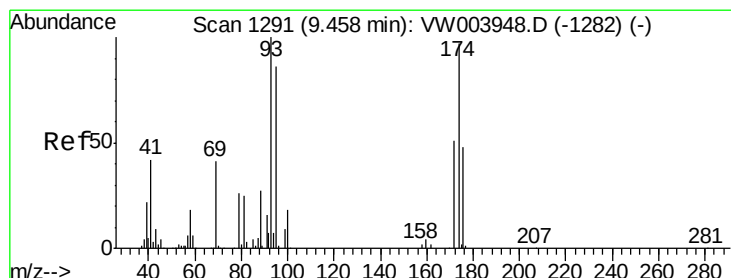
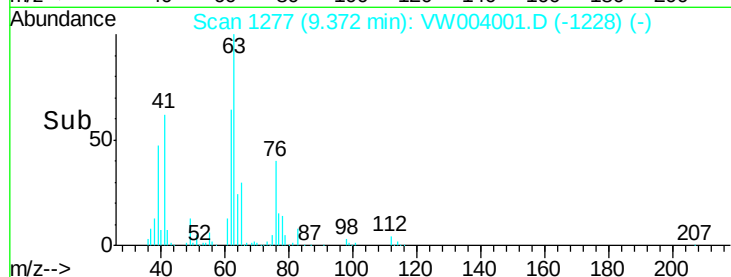
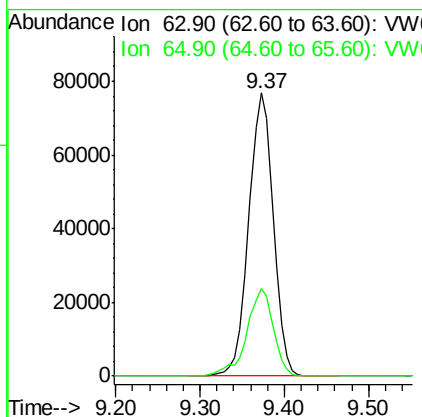
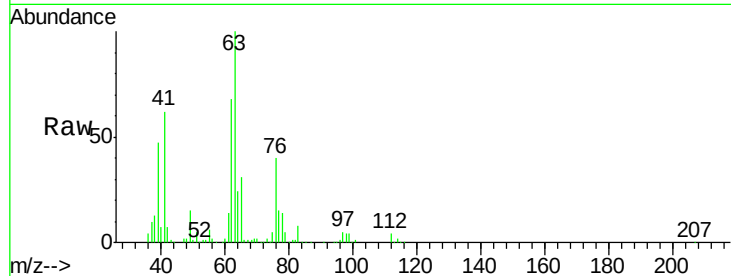




#45
 1,2-Dichloropropane
 Concen: 54.137 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

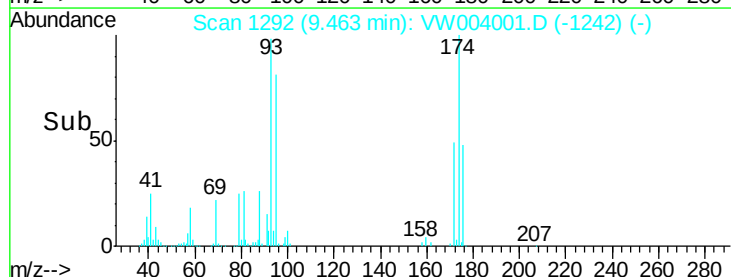
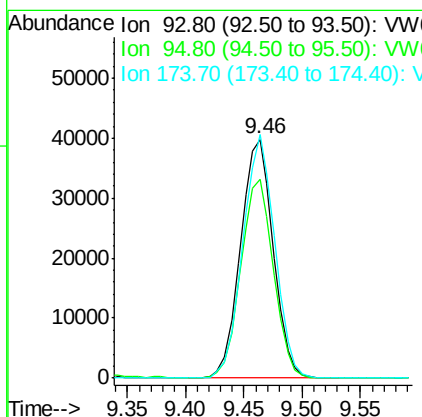
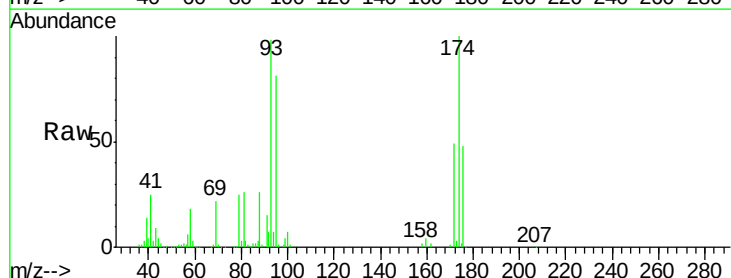
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

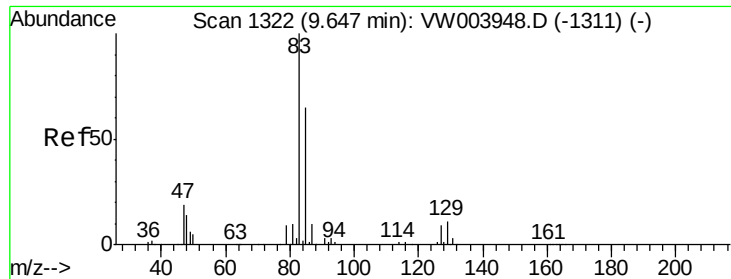
Tot Ion: 63 Resp: 151323
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.8 37.2



#46
 Dibromomethane
 Concen: 53.653 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Tgt Ion: 93 Resp: 77820
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.9 100.3
 174 99.8 80.2 120.2

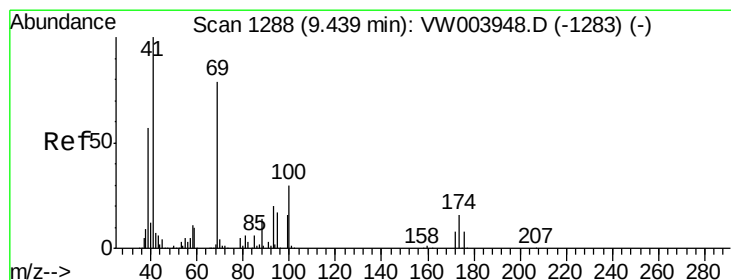
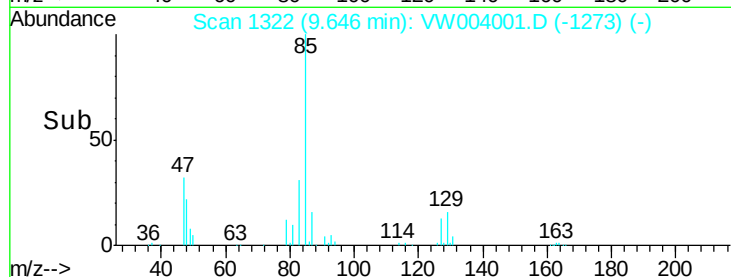
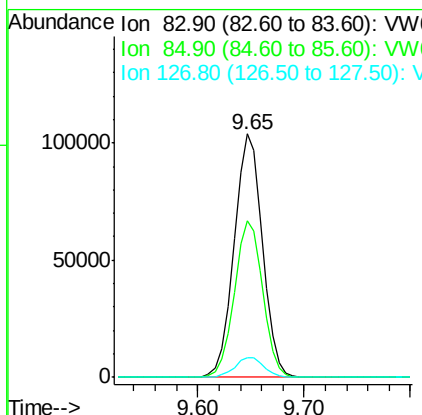
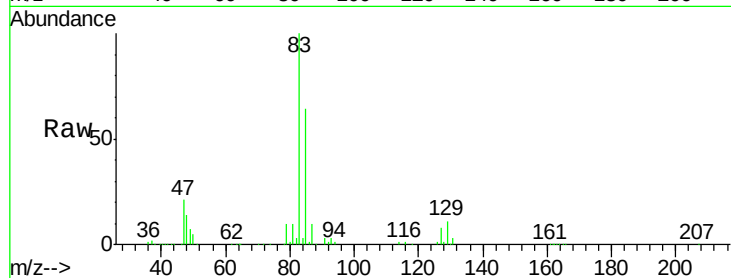




#47
Bromodichloromethane
Concen: 54.046 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

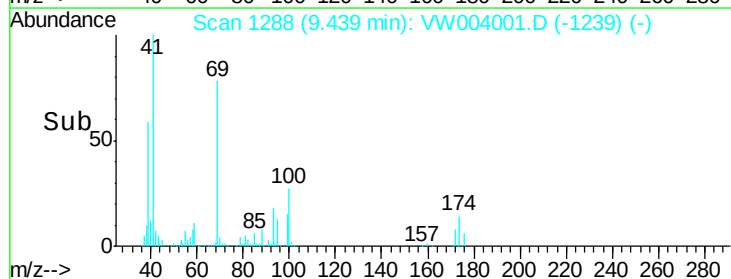
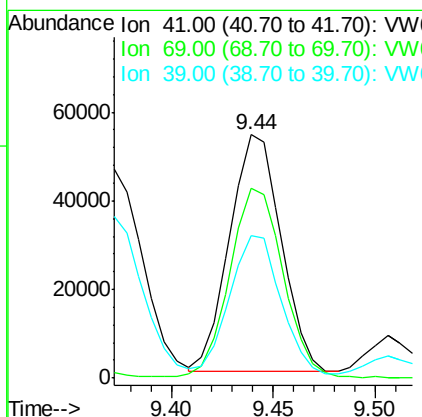
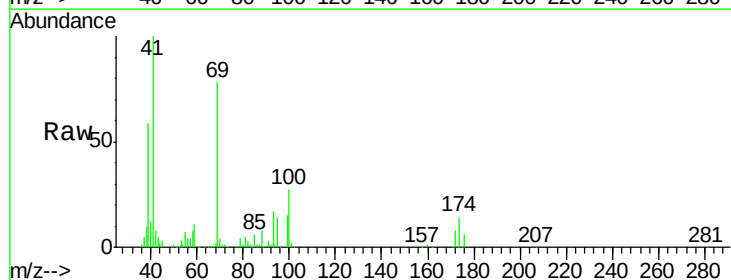
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

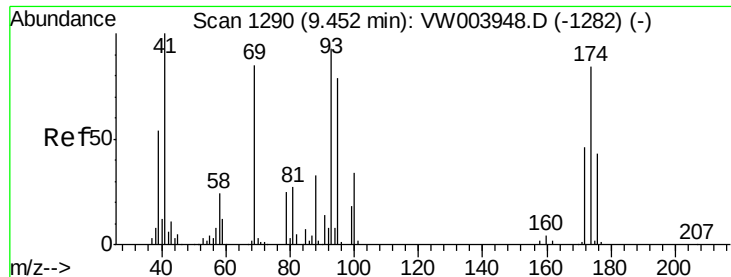
Tot Ion: 83 Resp: 193247
Ion Ratio Lower Upper
83 100
85 64.1 52.2 78.2
127 8.1 7.0 10.4



#48
Methyl methacrylate
Concen: 54.331 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion: 41 Resp: 93570
Ion Ratio Lower Upper
41 100
69 84.0 67.0 100.6
39 61.8 48.8 73.2

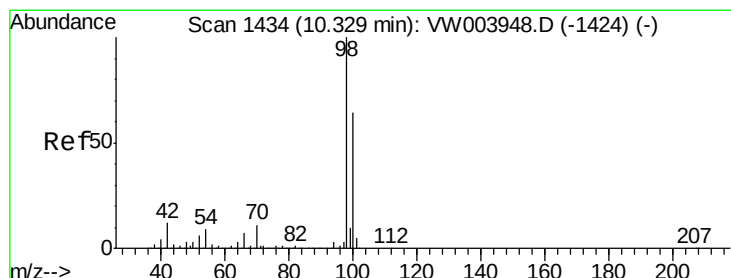
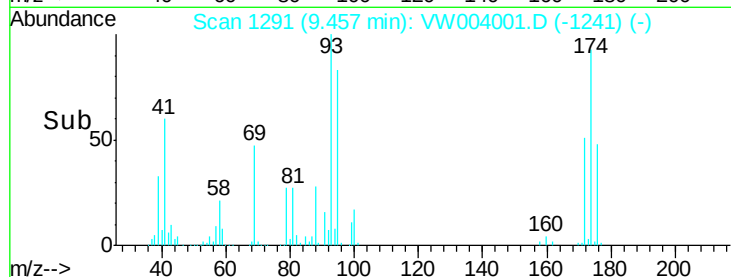
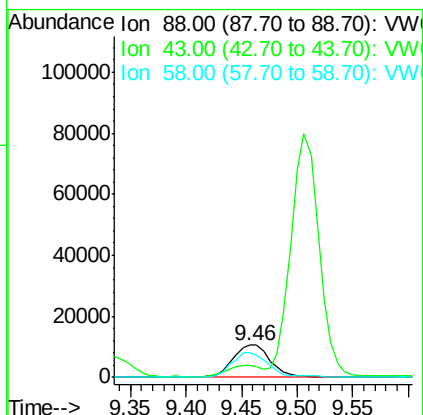
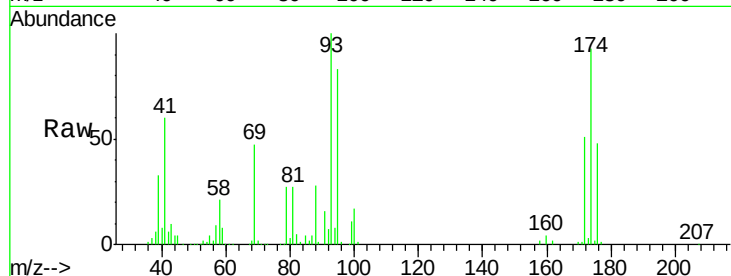




#49
1,4-Dioxane
Concen: 1104.677 ug/l
RT: 9.46 min Scan# 1291
Delta R.T. 0.01 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

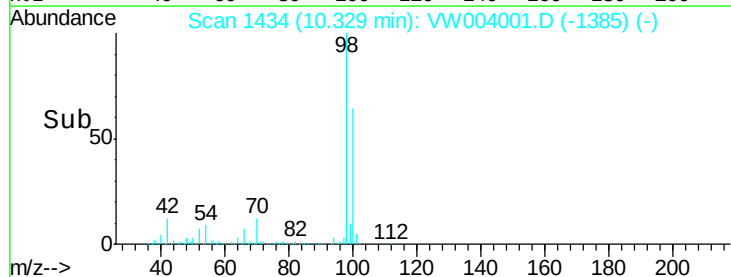
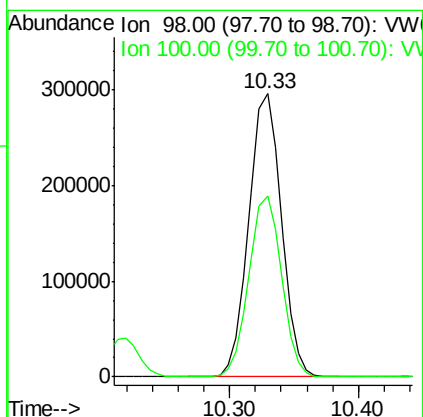
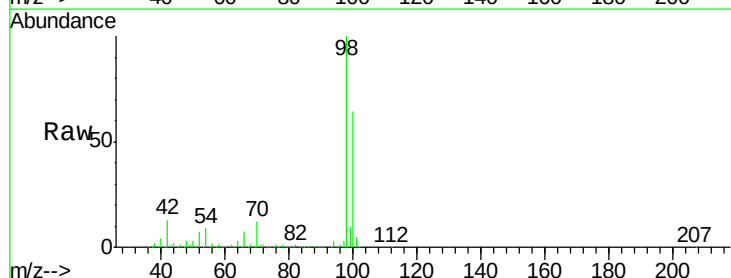
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

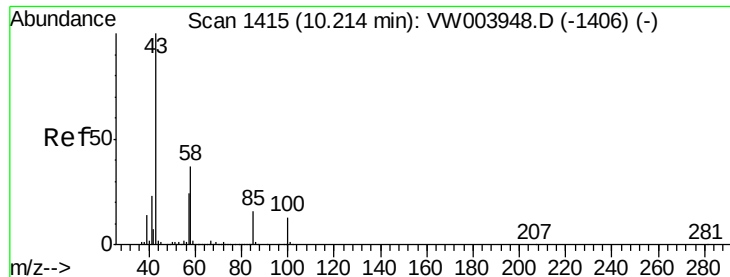
Tot Ion: 88 Resp: 24629
Ion Ratio Lower Upper
88 100
43 33.7 27.3 40.9
58 77.0 61.1 91.7



#50
Toluene-d8
Concen: 54.128 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion: 98 Resp: 517027
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 271.136 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

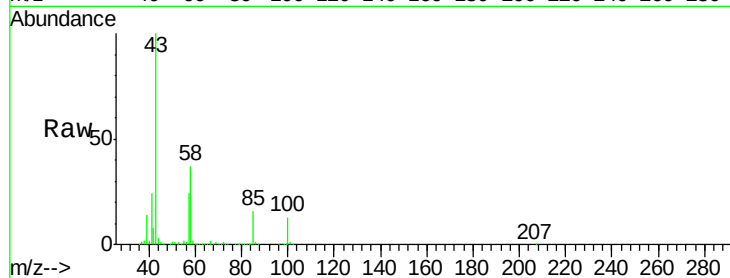
VSTDCCC050

Tot Ion: 43 Resp: 514403

Ion Ratio Lower Upper

43 100

58 36.8 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

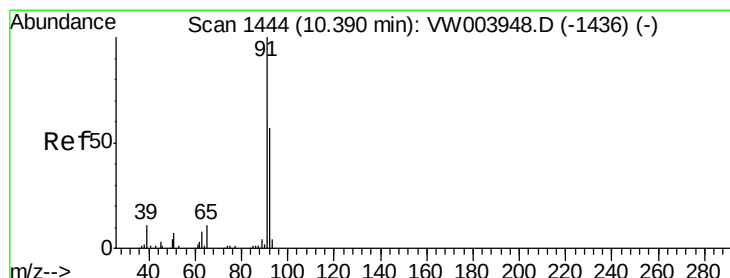
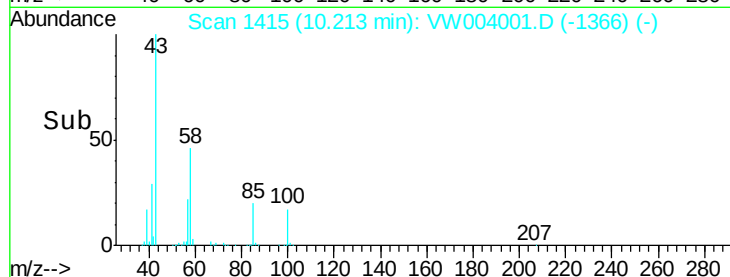
300000

200000

100000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 53.276 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004001.D

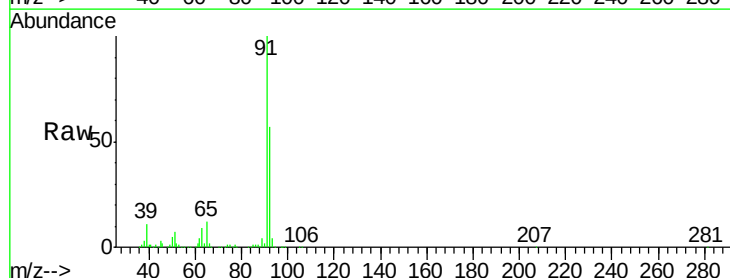
Acq: 17 Jul 2018 23:33

Tgt Ion: 92 Resp: 360793

Ion Ratio Lower Upper

92 100

91 174.2 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

400000

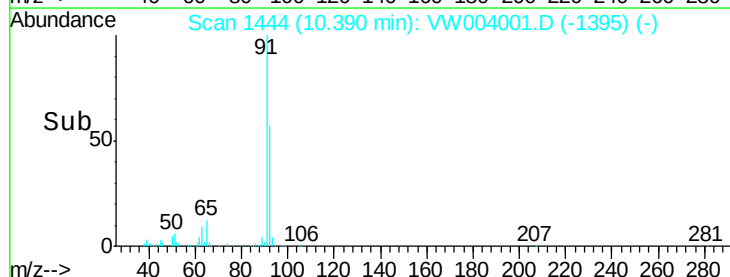
300000

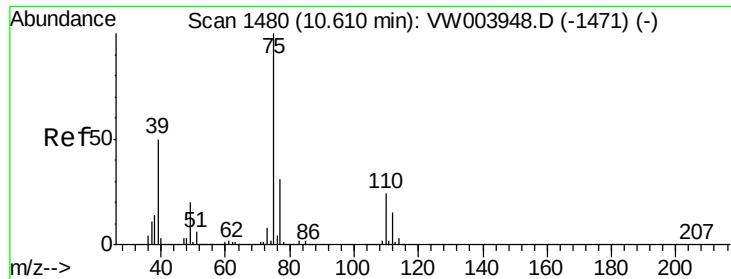
200000

100000

0

Time--> 10.30 10.40





#53

t-1,3-Dichloropropene

Concen: 51.979 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampled :

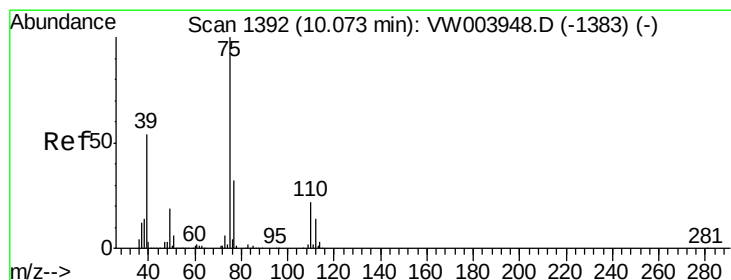
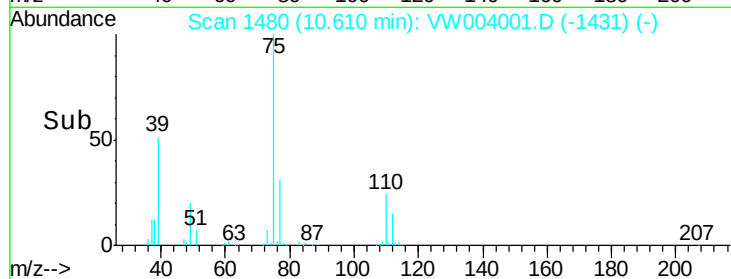
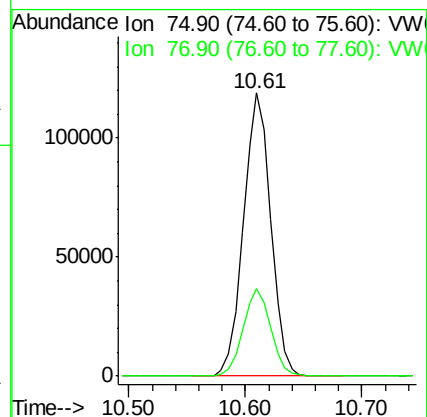
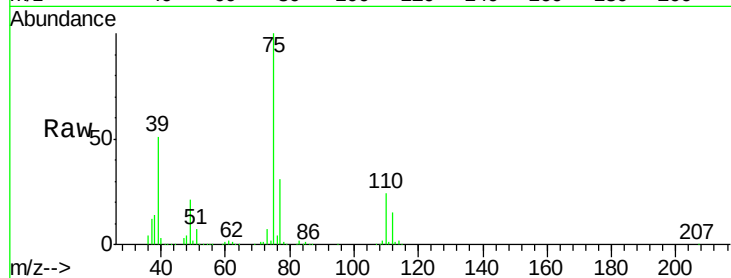
VSTDCCC050

Tot Ion: 75 Resp: 194355

Ion Ratio Lower Upper

75 100

77 30.6 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 51.837 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

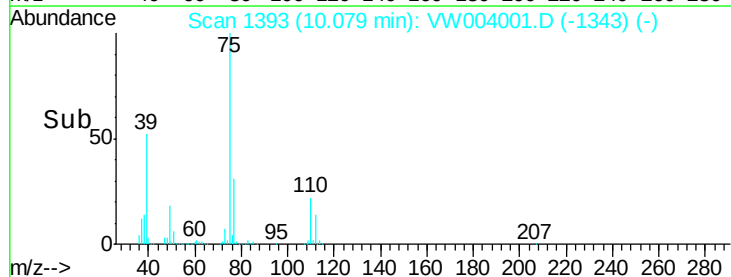
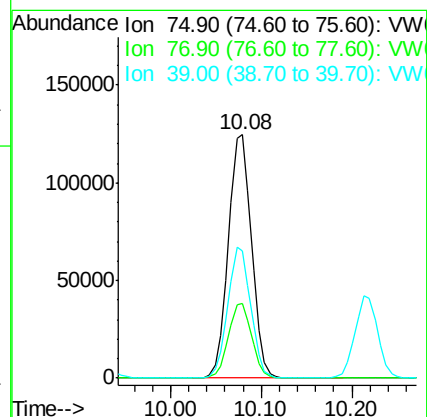
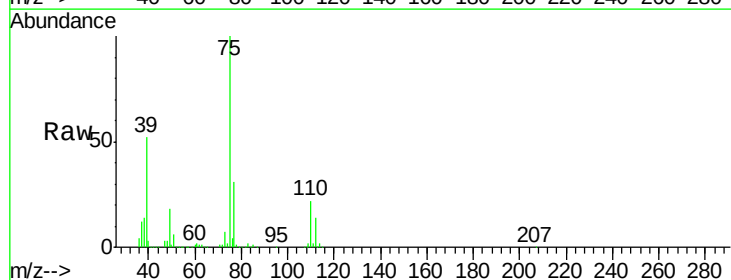
Tgt Ion: 75 Resp: 221726

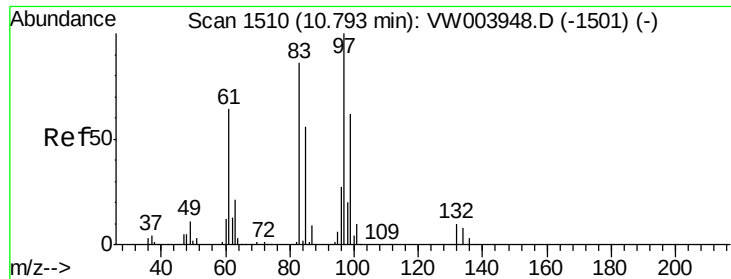
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.2

39 52.0 43.0 64.6

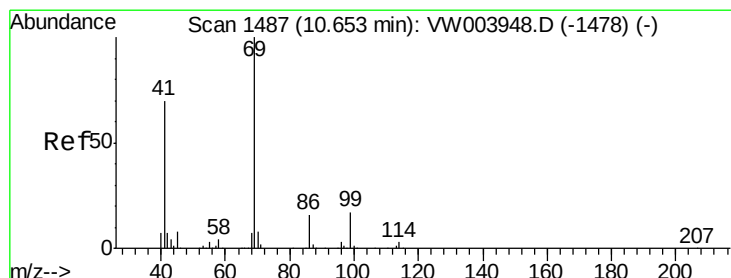
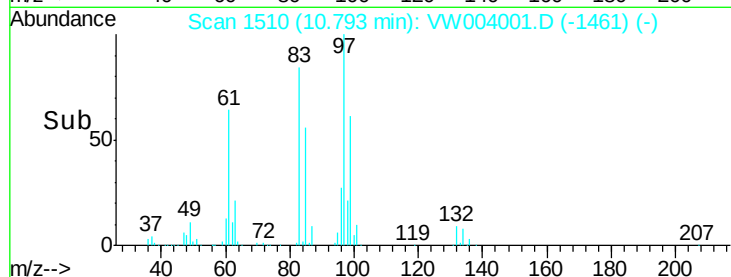
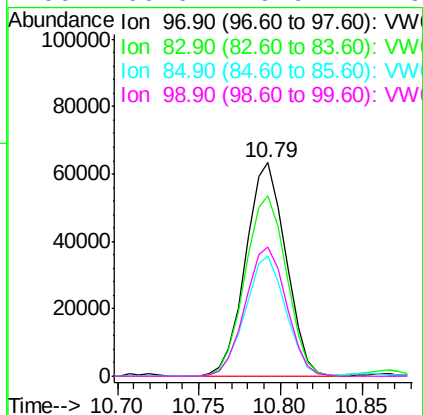
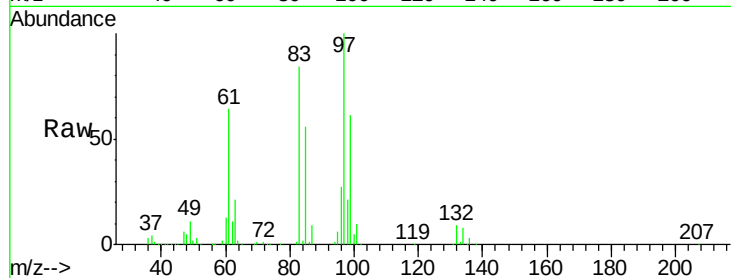




#55
 1,1,2-Trichloroethane
 Concen: 53.609 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

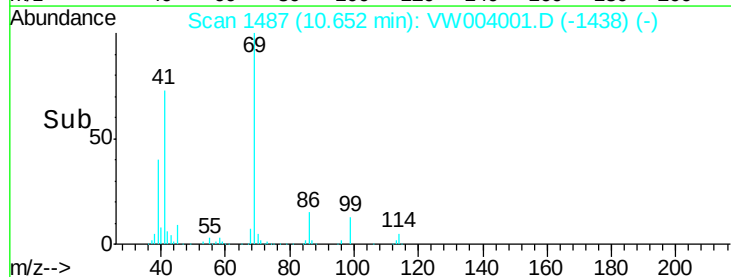
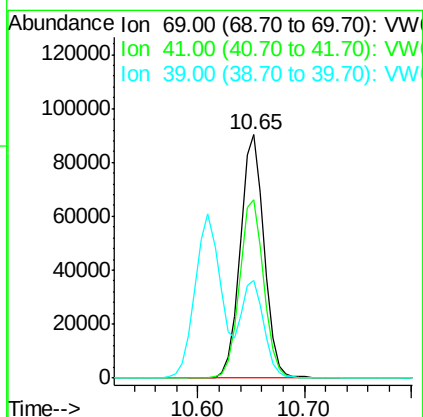
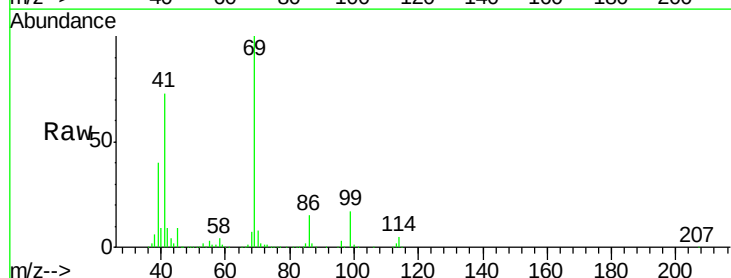
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

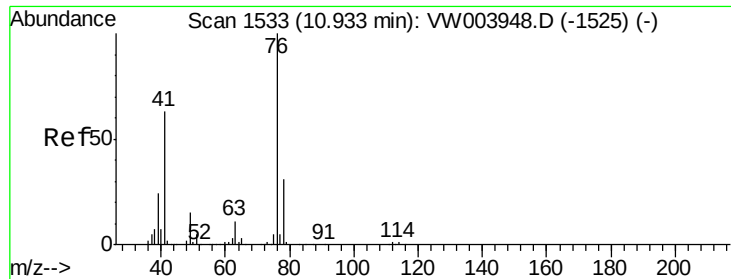
Tot Ion:	97	Resp:	109358
Ion	Ratio	Lower	Upper
97	100		
83	84.2	69.0	103.4
85	56.3	45.0	67.6
99	60.6	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 48.746 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Tgt Ion:	69	Resp:	142003
Ion	Ratio	Lower	Upper
69	100		
41	73.8	56.5	84.7
39	37.3	30.2	45.4

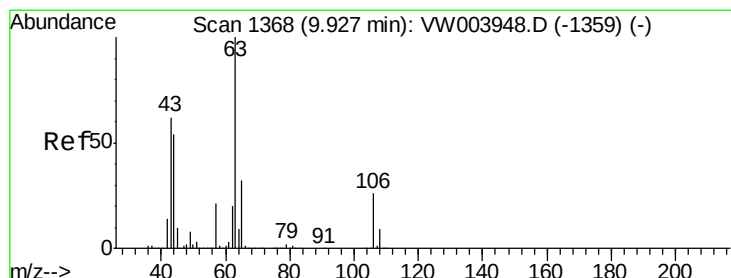
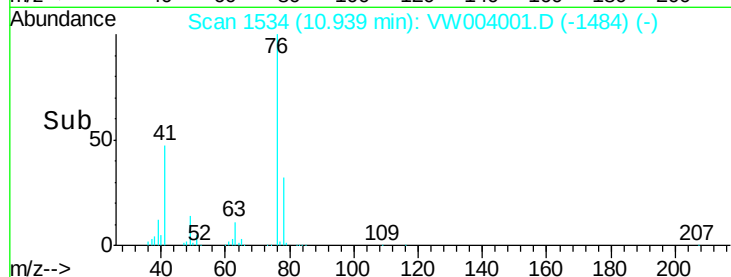
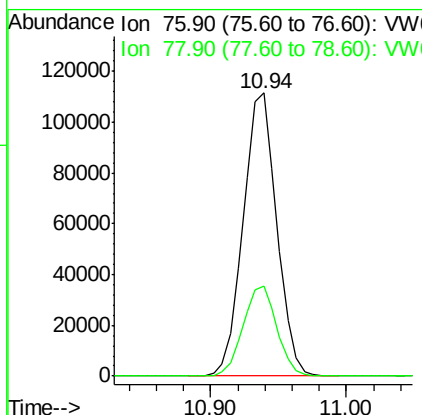
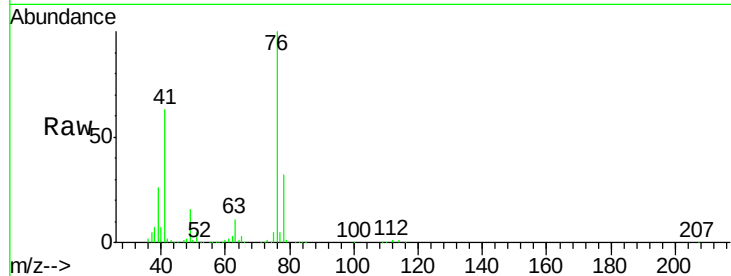




#57
 1,3-Dichloropropane
 Concen: 54.276 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

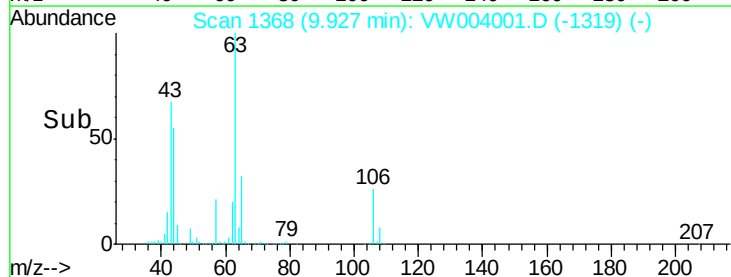
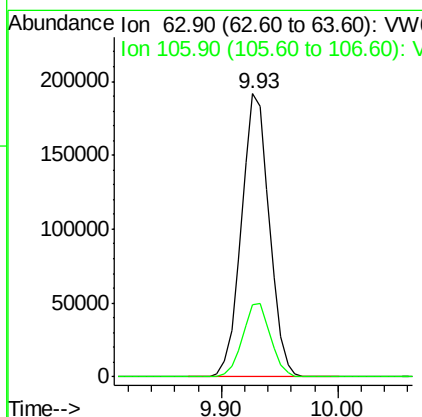
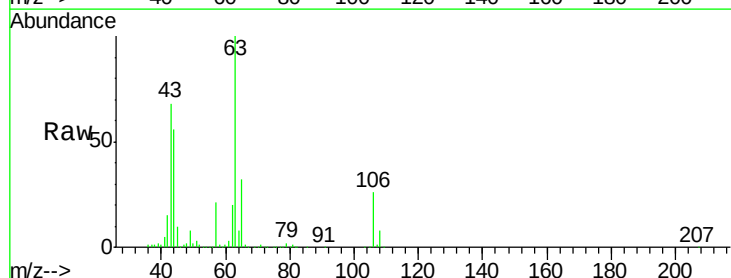
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

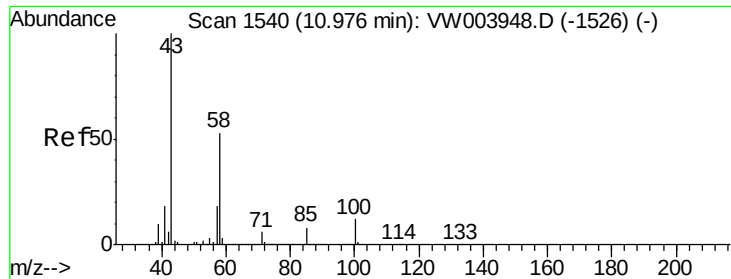
Tot Ion: 76 Resp: 192362
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.799 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Tgt Ion: 63 Resp: 320447
 Ion Ratio Lower Upper
 63 100
 106 26.0 21.2 31.8

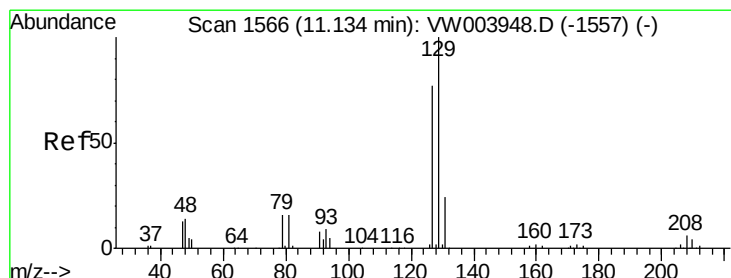
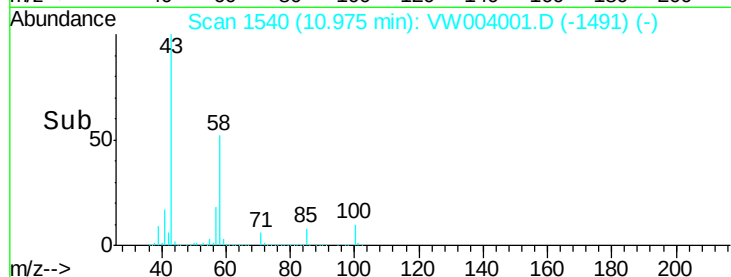
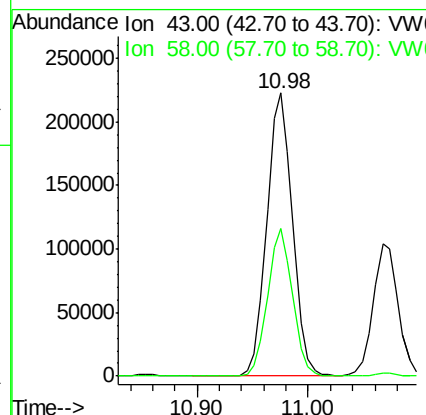
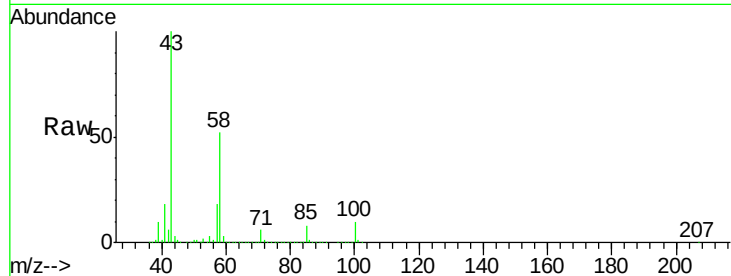




#59
2-Hexanone
Concen: 268.297 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

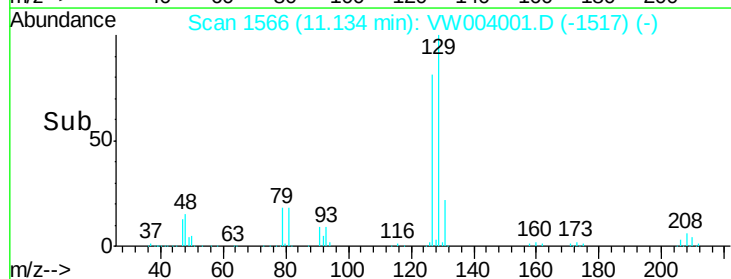
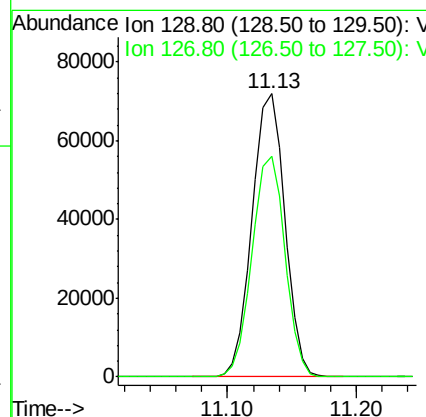
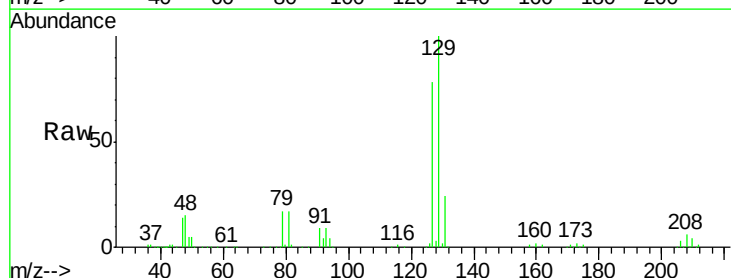
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

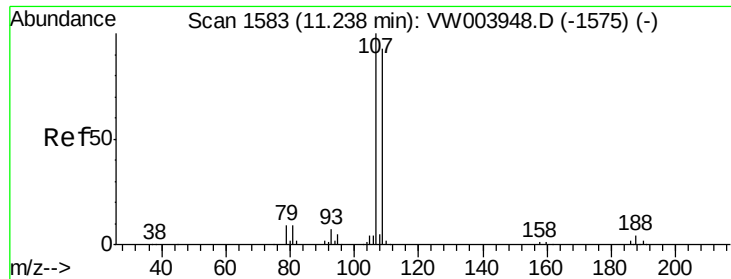
Tot Ion: 43 Resp: 358762
Ion Ratio Lower Upper
43 100
58 50.7 26.0 78.0



#60
Dibromochloromethane
Concen: 53.288 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion: 129 Resp: 126591
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.3

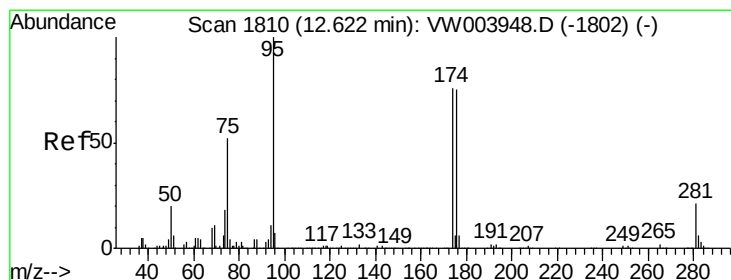
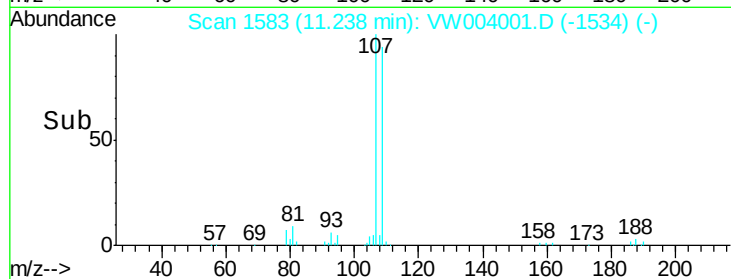
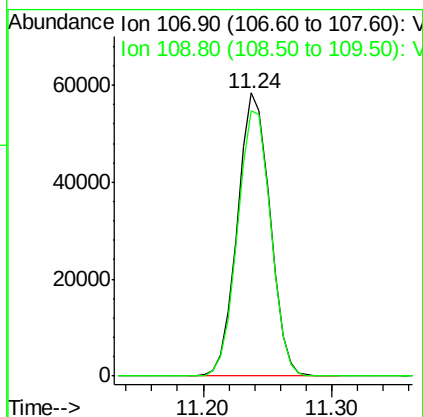
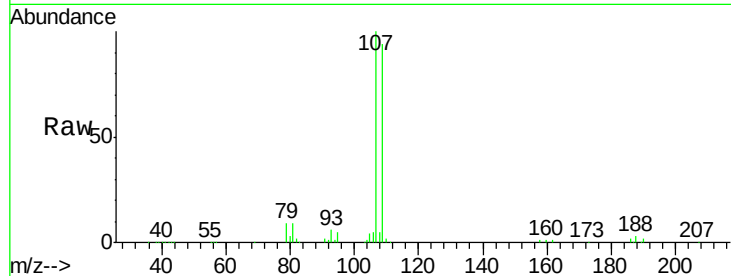




#61
 1,2-Dibromoethane
 Concen: 52.636 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

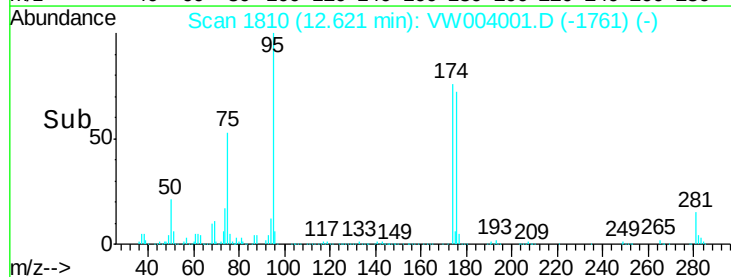
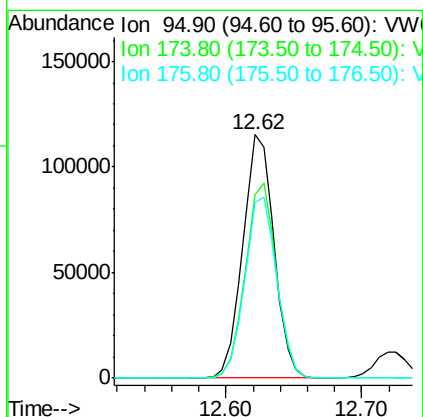
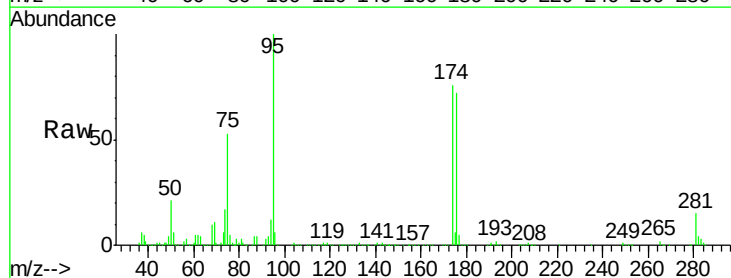
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

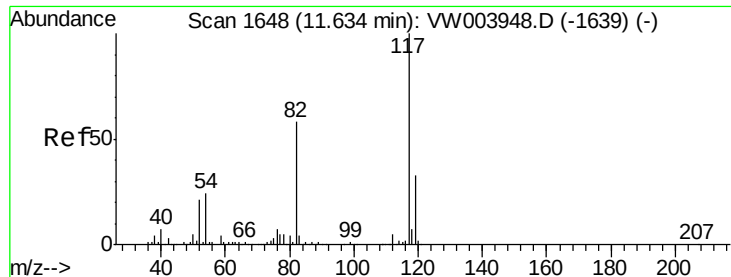
Tot Ion:107 Resp: 102166
 Ion Ratio Lower Upper
 107 100
 109 95.6 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 53.650 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Tgt Ion: 95 Resp: 184796
 Ion Ratio Lower Upper
 95 100
 174 80.3 0.0 160.2
 176 76.5 0.0 155.8

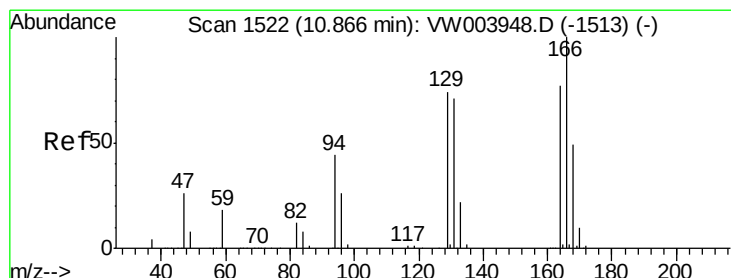
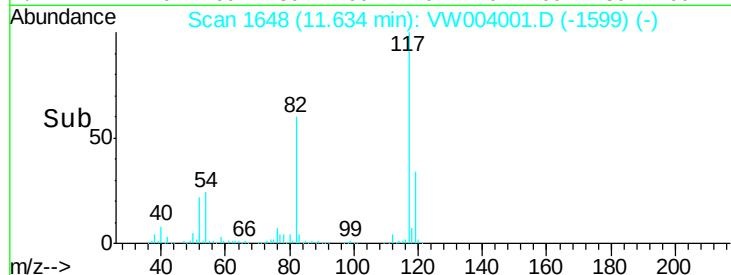
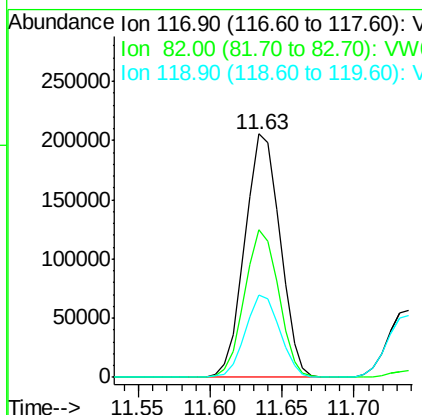
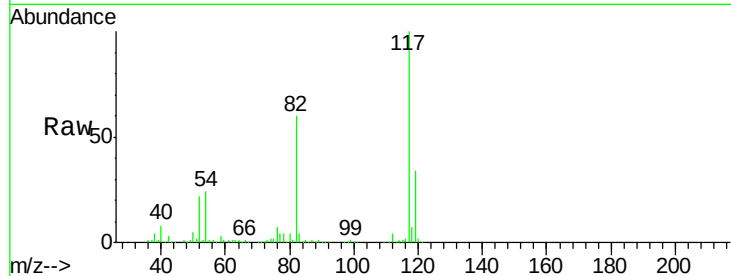




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

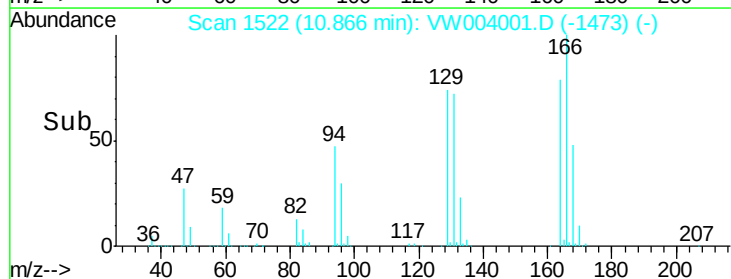
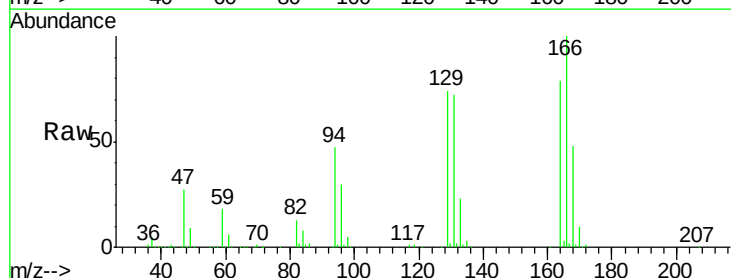
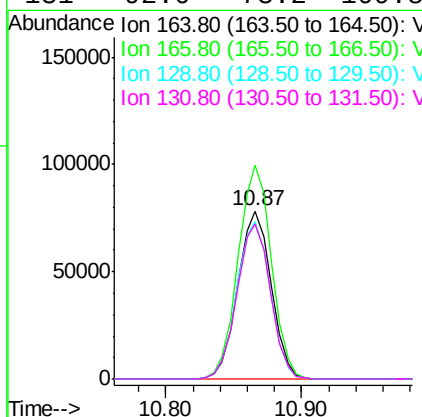
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

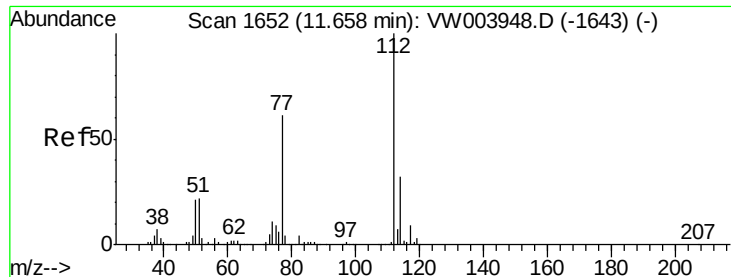
Tot Ion:117 Resp: 349205
Ion Ratio Lower Upper
117 100
82 60.4 46.5 69.7
119 33.9 26.2 39.2



#64
Tetrachloroethene
Concen: 55.968 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion:164 Resp: 134104
Ion Ratio Lower Upper
164 100
166 127.2 103.5 155.3
129 93.7 76.8 115.2
131 92.0 73.2 109.8

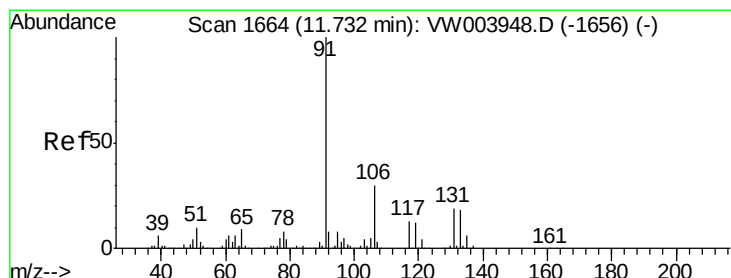
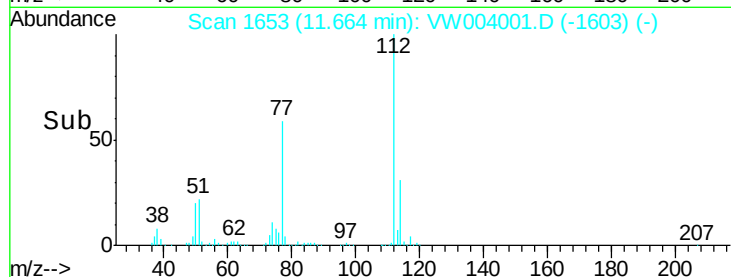
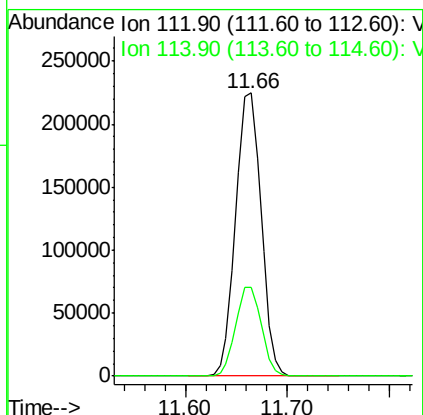
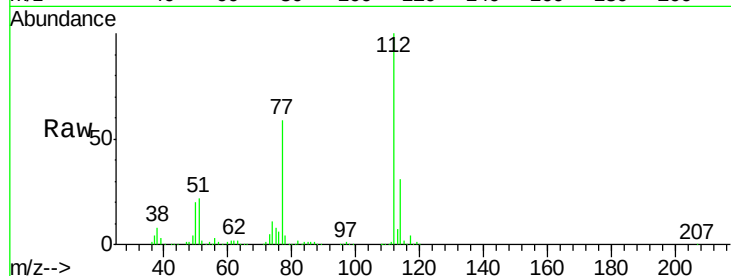




#65
Chlorobenzene
Concen: 52.319 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

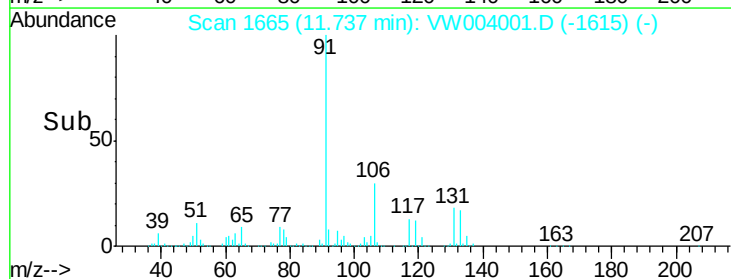
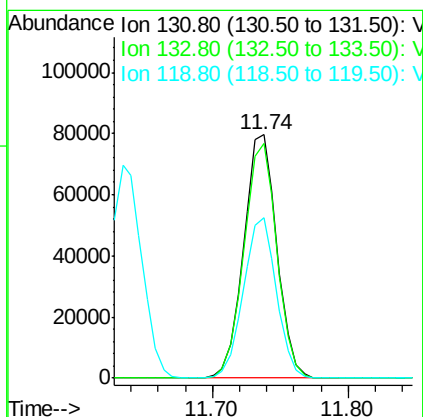
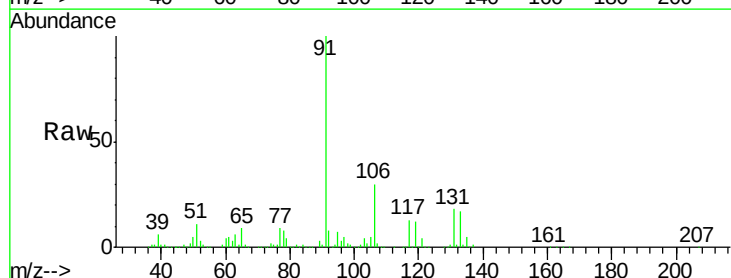
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

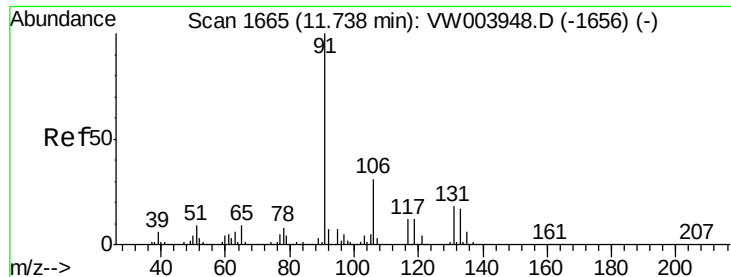
Tot Ion:112 Resp: 388493
Ion Ratio Lower Upper
112 100
114 31.2 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 52.543 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.01 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion:131 Resp: 135581
Ion Ratio Lower Upper
131 100
133 95.9 47.9 143.8
119 65.4 32.5 97.5

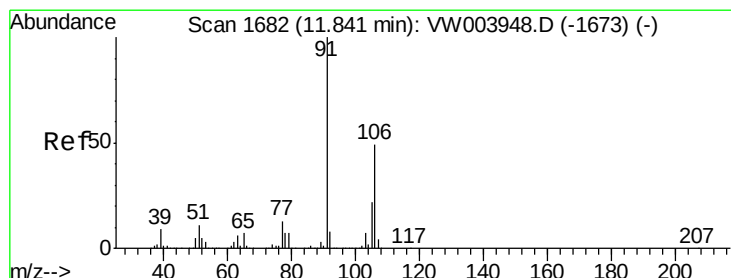
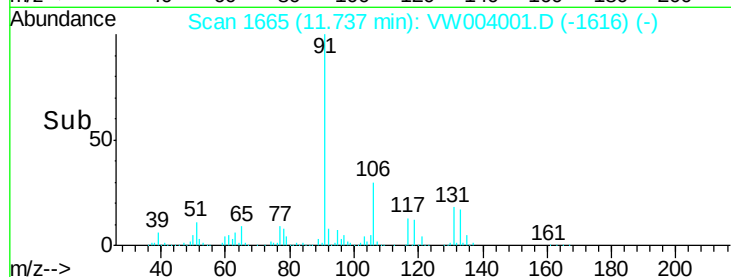
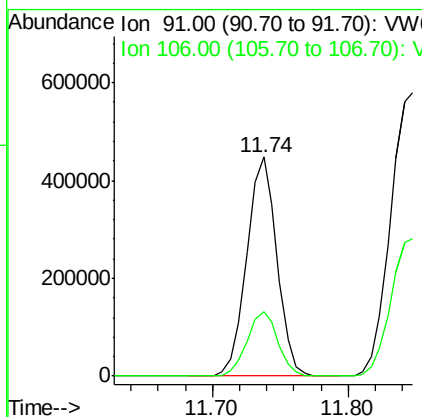
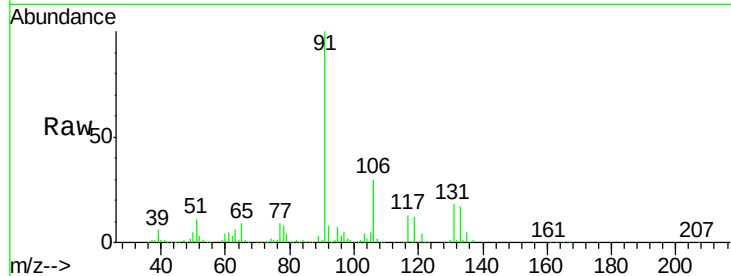




#67
Ethyl Benzene
Concen: 53.200 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

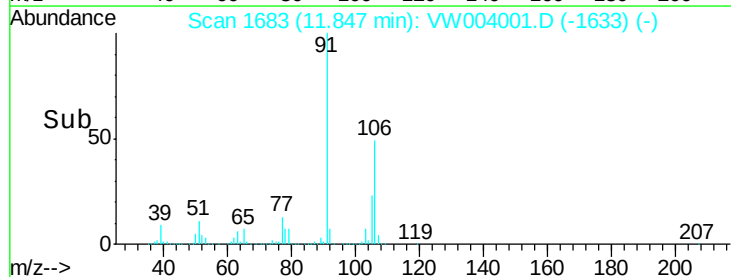
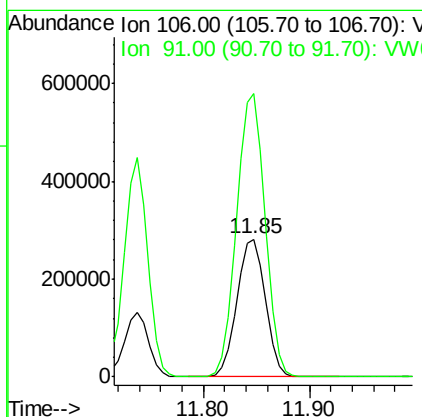
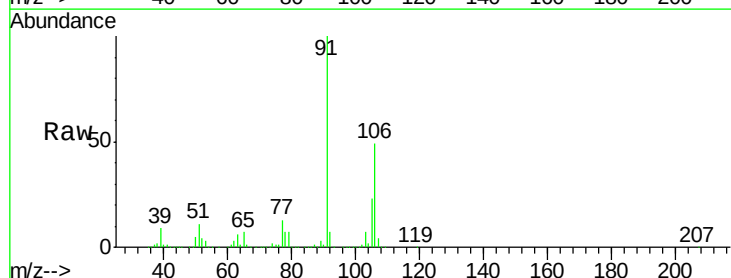
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

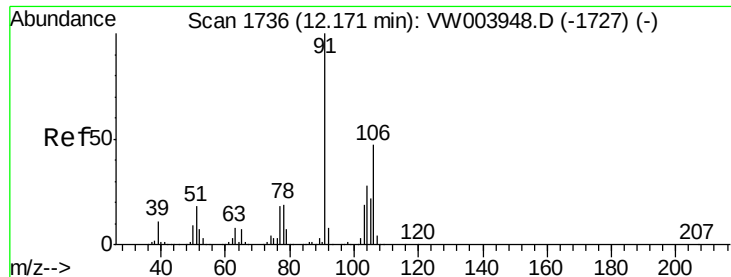
Tot Ion: 91 Resp: 693936
Ion Ratio Lower Upper
91 100
106 29.6 25.0 37.4



#68
m/p-Xylenes
Concen: 105.876 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion: 106 Resp: 527847
Ion Ratio Lower Upper
106 100
91 205.9 164.2 246.2

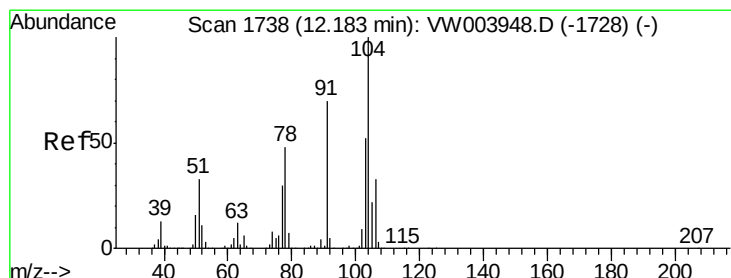
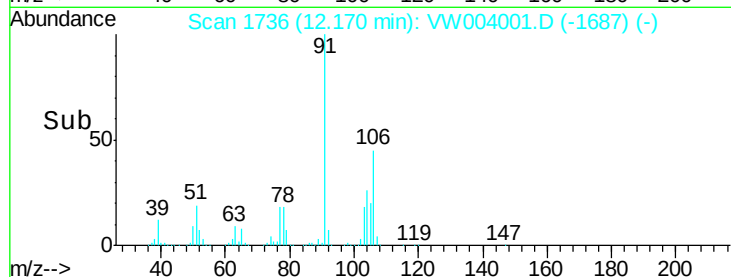
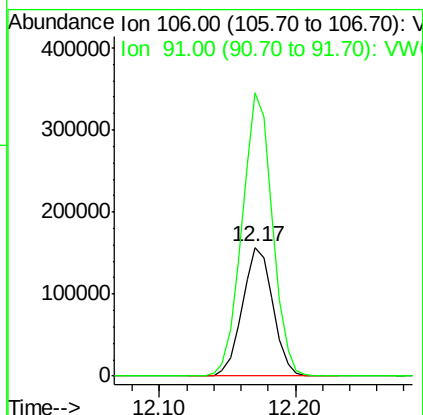
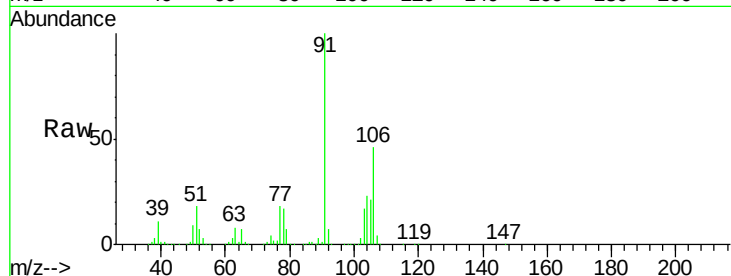




#69
o-Xylene
Concen: 53.133 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

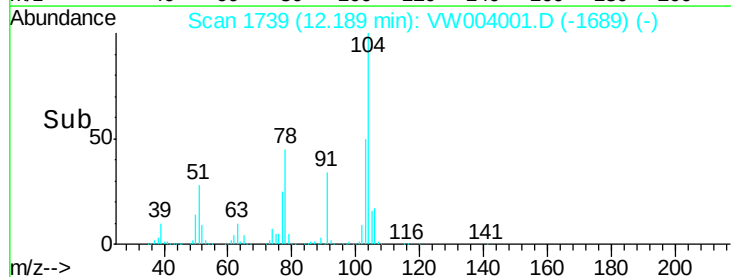
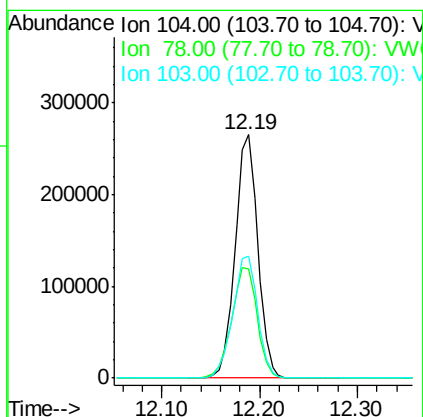
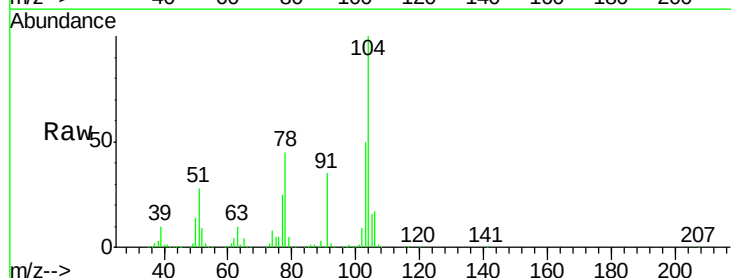
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

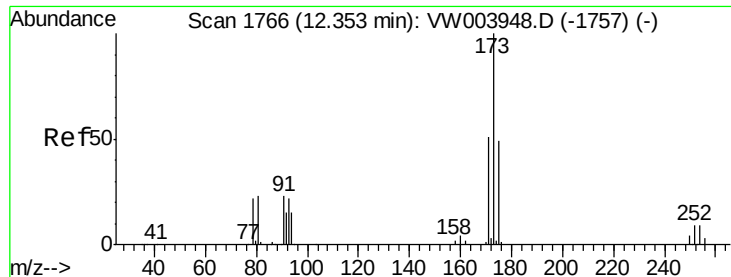
Tot Ion:106 Resp: 245721
Ion Ratio Lower Upper
106 100
91 218.5 107.5 322.6



#70
Styrene
Concen: 55.271 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion:104 Resp: 426941
Ion Ratio Lower Upper
104 100
78 51.0 41.0 61.4
103 54.9 44.6 67.0





#71

Bromoform

Concen: 53.353 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

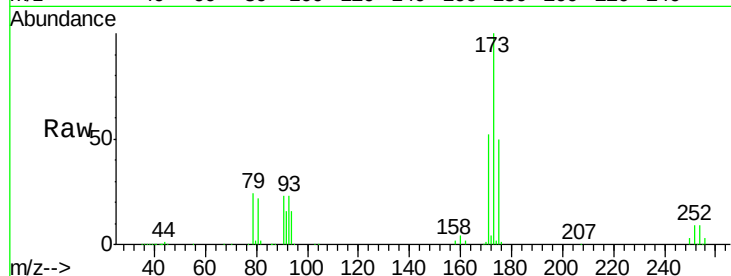
Tot Ion:173 Resp: 77729

Ion Ratio Lower Upper

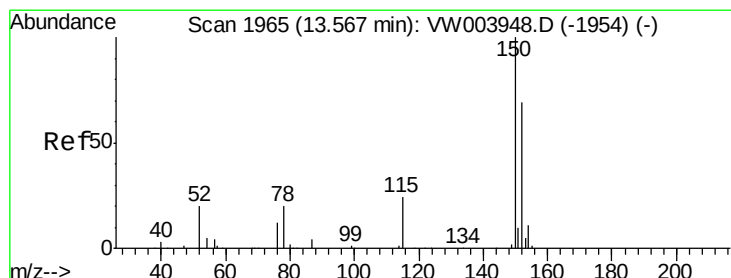
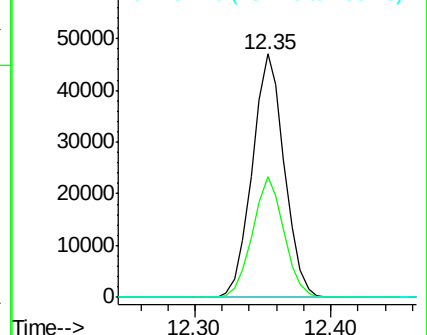
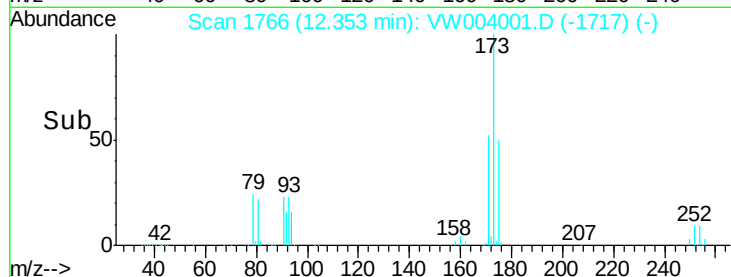
173 100

175 48.5 24.4 73.2

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

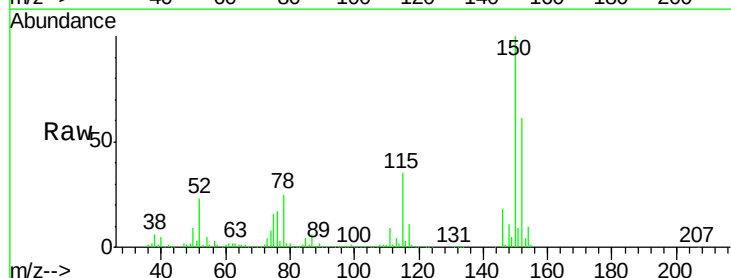
Tgt Ion:152 Resp: 183842

Ion Ratio Lower Upper

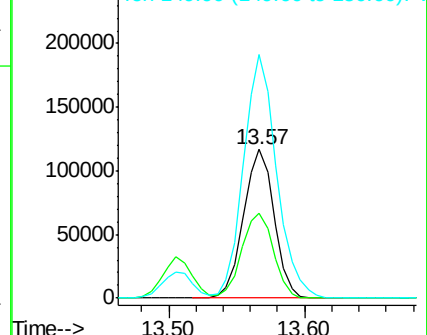
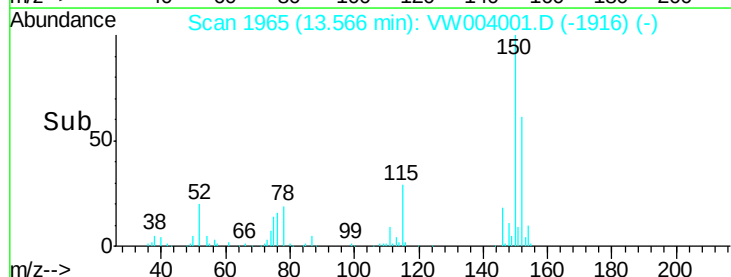
152 100

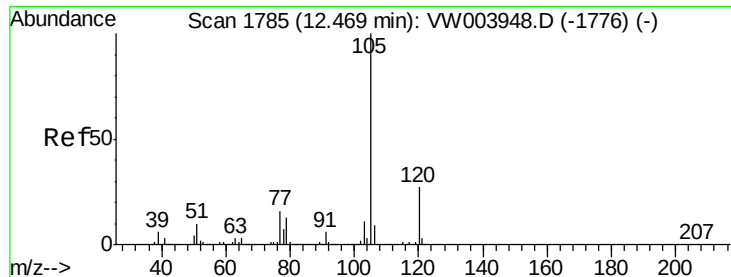
115 58.2 29.2 87.6

150 176.6 0.0 345.2



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





#73

Isopropylbenzene

Concen: 52.015 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

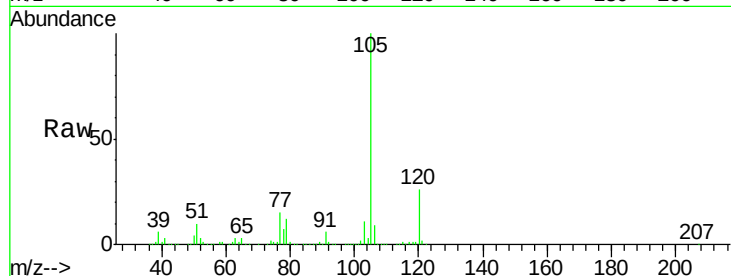
VSTDCCC050

Tot Ion:105 Resp: 675716

Ion Ratio Lower Upper

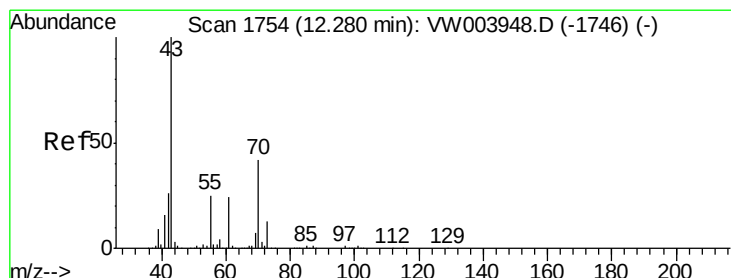
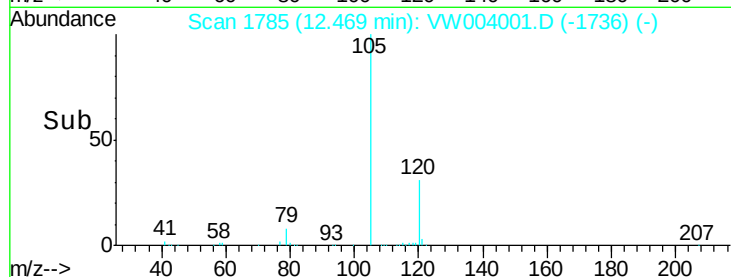
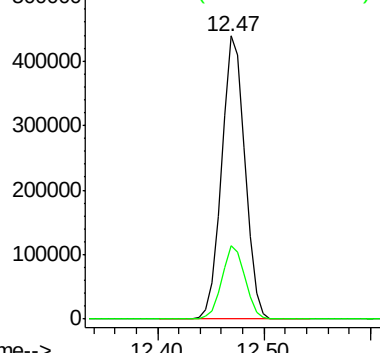
105 100

120 25.7 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.082 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Tgt Ion: 43 Resp: 179675

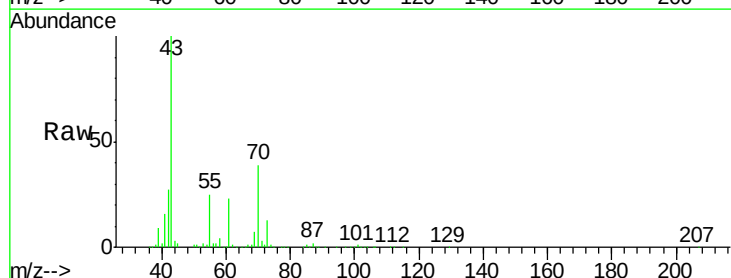
Ion Ratio Lower Upper

43 100

70 38.9 31.6 47.4

55 25.8 20.0 30.0

61 22.7 18.5 27.7

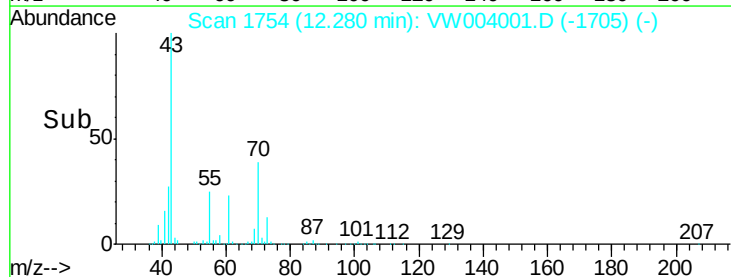
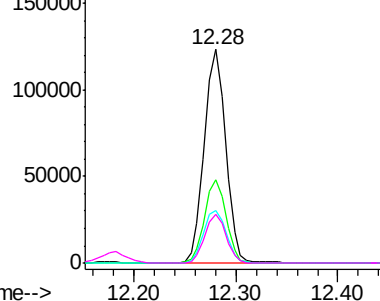


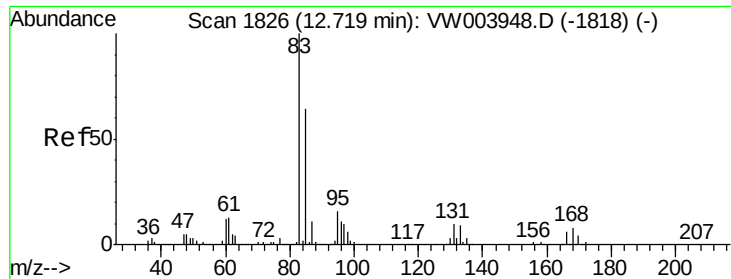
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 52.573 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

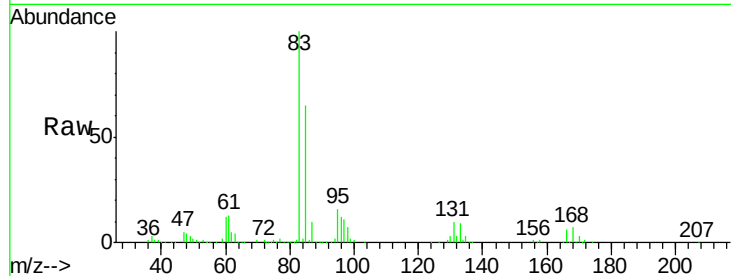
Tot Ion: 83 Resp: 132078

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.8

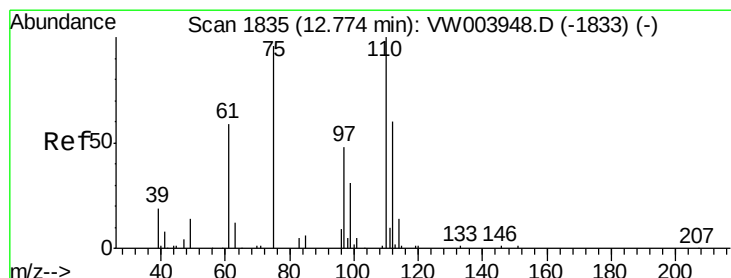
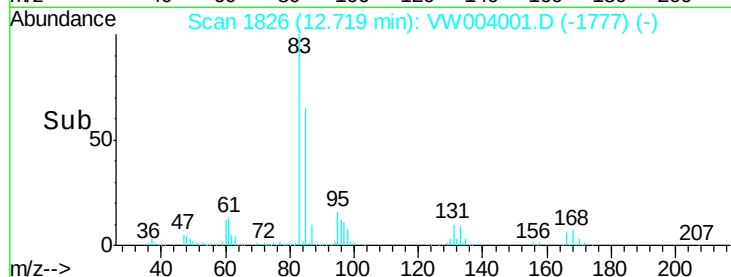
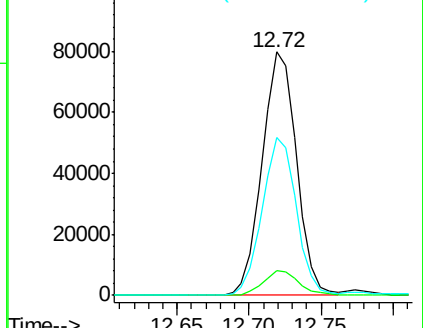
85 64.3 32.2 96.6



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: 94.405 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004001.D

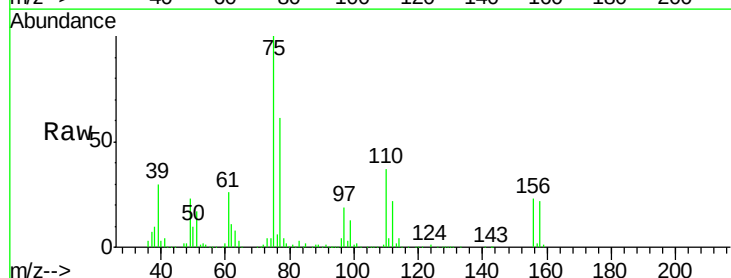
Acq: 17 Jul 2018 23:33

Tgt Ion: 75 Resp: 172302

Ion Ratio Lower Upper

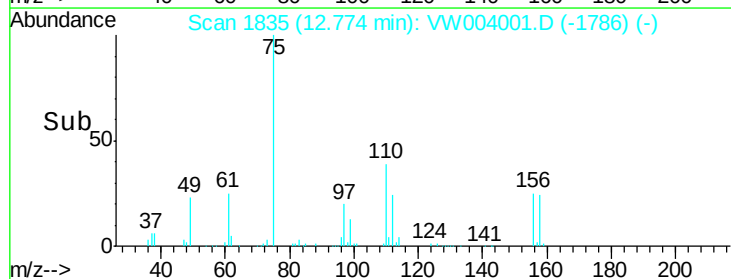
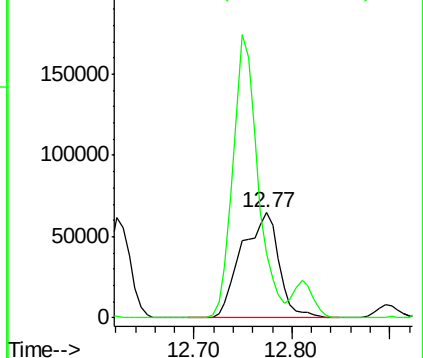
75 100

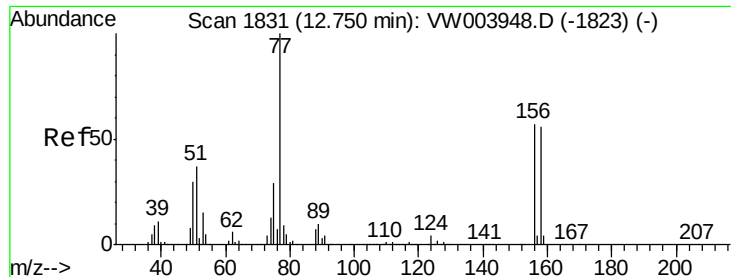
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.280 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

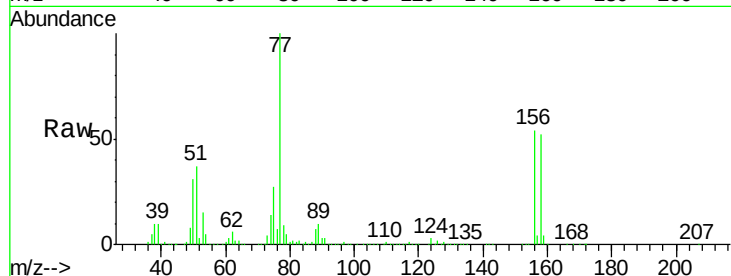
Tot Ion:156 Resp: 159402

Ion Ratio Lower Upper

156 100

77 194.6 96.2 288.6

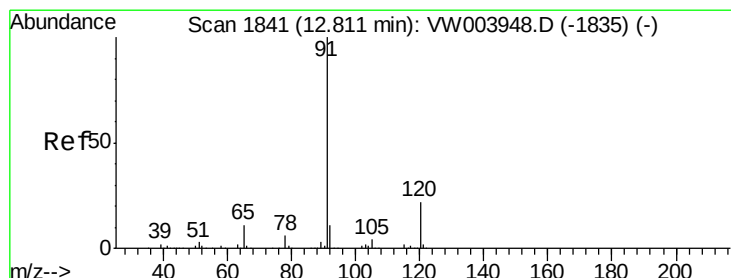
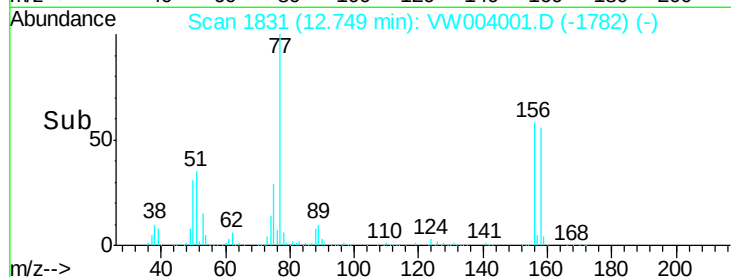
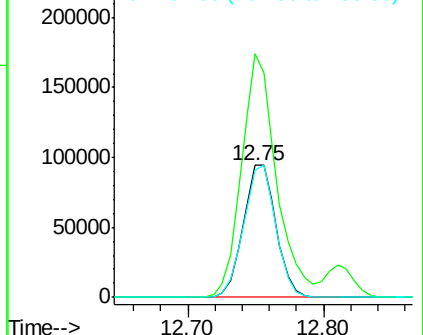
158 97.9 48.5 145.5



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: 52.096 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW004001.D

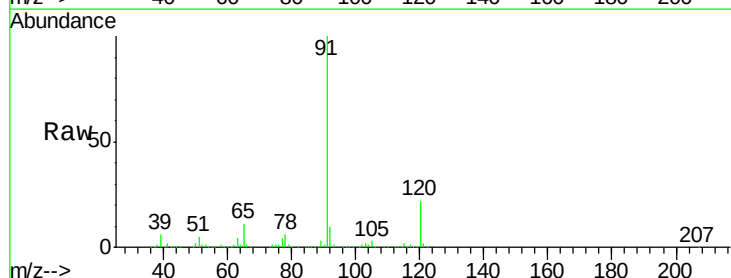
Acq: 17 Jul 2018 23:33

Tgt Ion: 91 Resp: 830270

Ion Ratio Lower Upper

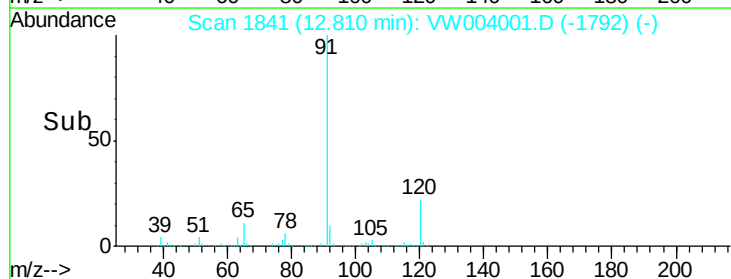
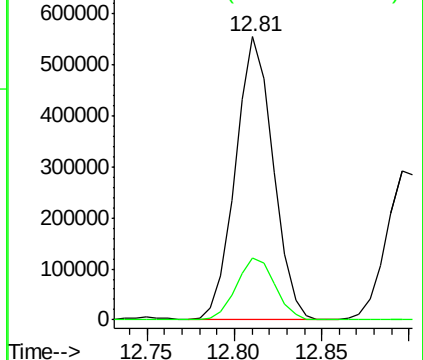
91 100

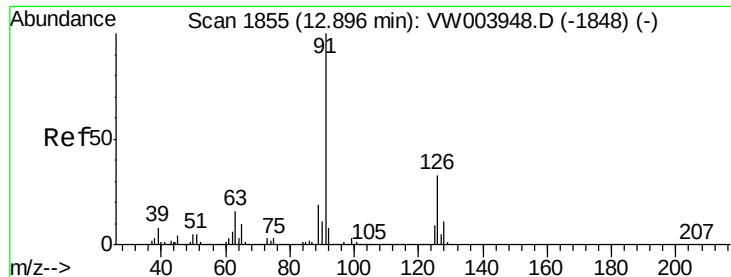
120 22.5 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.838 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

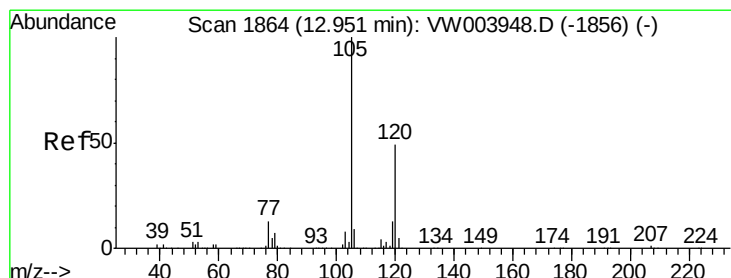
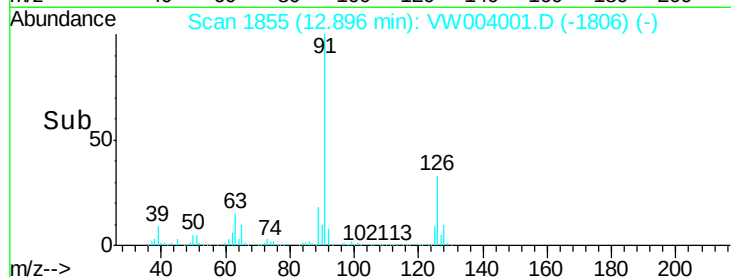
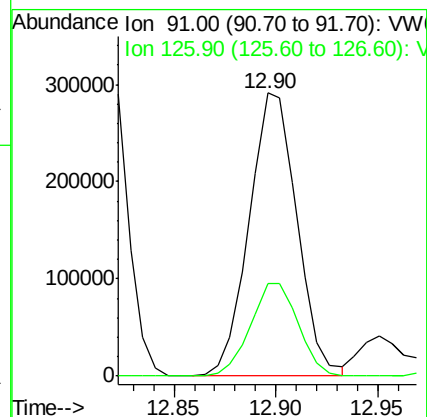
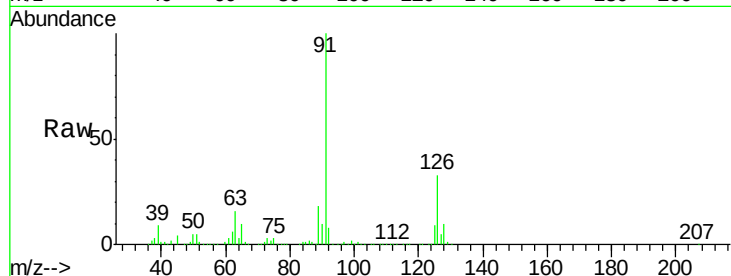
VSTDCCC050

Tot Ion: 91 Resp: 474943

Ion Ratio Lower Upper

91 100

126 33.1 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 52.184 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW004001.D

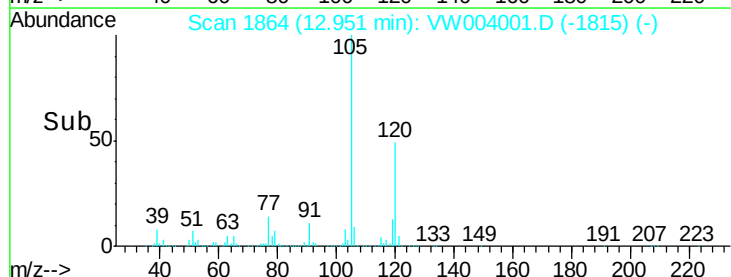
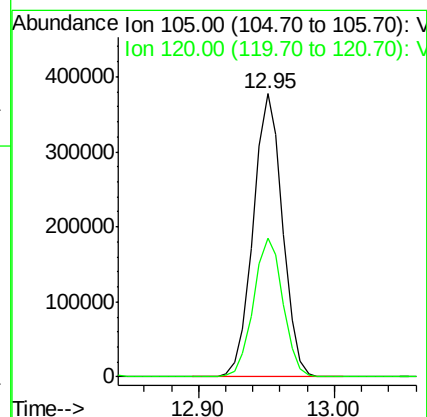
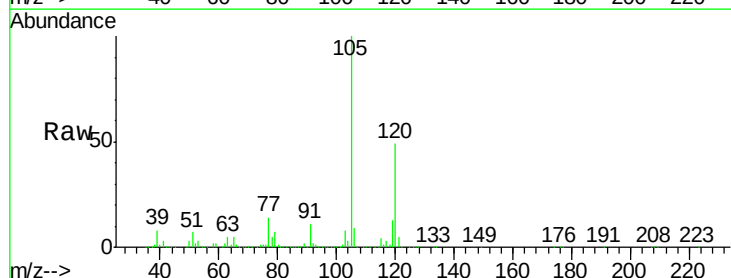
Acq: 17 Jul 2018 23:33

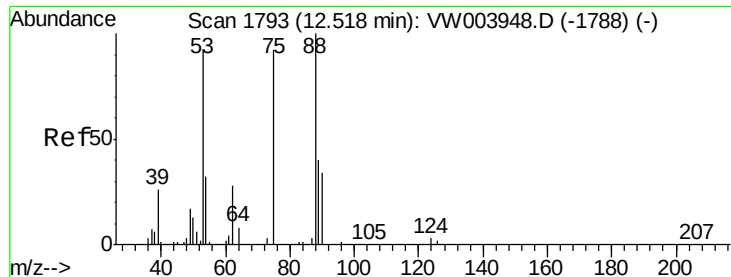
Tgt Ion: 105 Resp: 570489

Ion Ratio Lower Upper

105 100

120 49.2 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 47.212 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

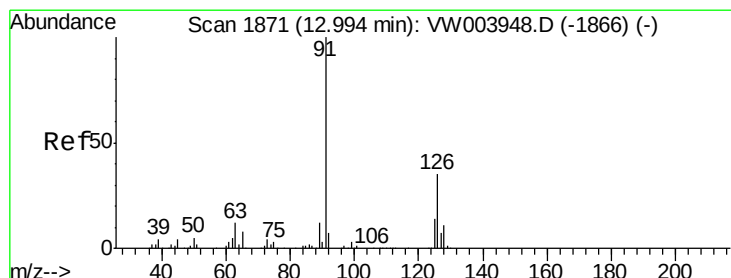
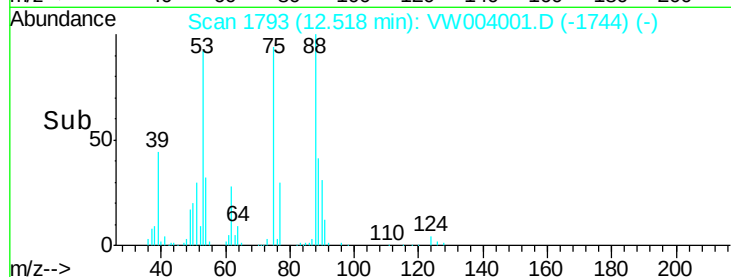
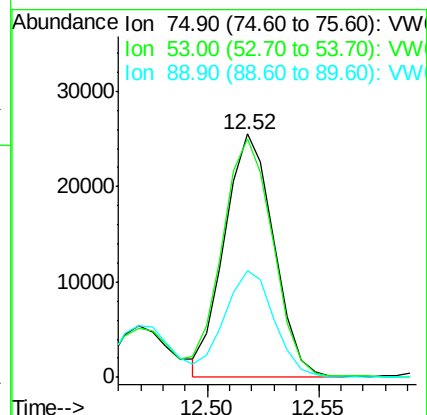
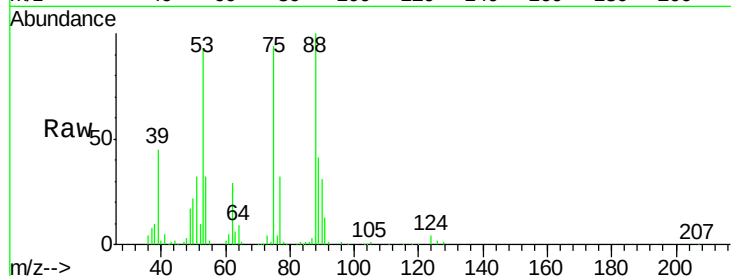
Tot Ion: 75 Resp: 38955

Ion Ratio Lower Upper

75 100

53 102.0 77.6 116.4

89 44.7 36.6 54.8



#82

4-Chlorotoluene

Concen: 50.925 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW004001.D

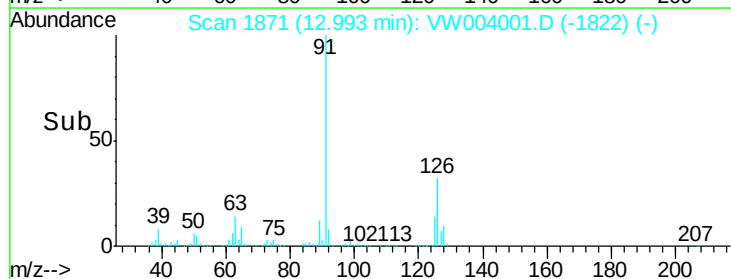
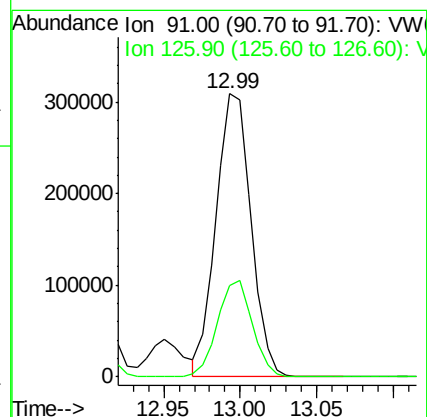
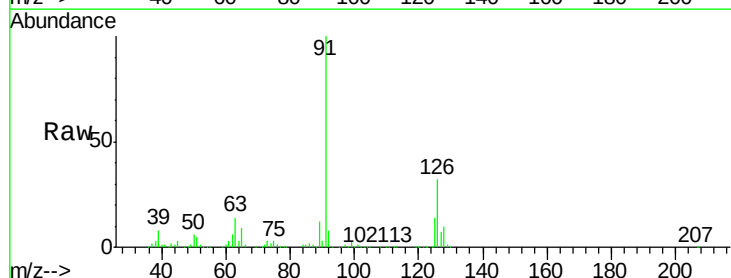
Acq: 17 Jul 2018 23:33

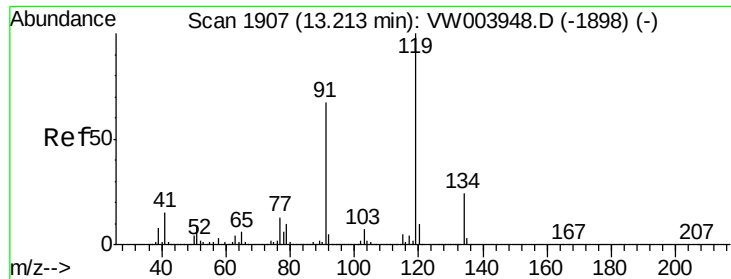
Tgt Ion: 91 Resp: 491237

Ion Ratio Lower Upper

91 100

126 34.0 16.7 50.0

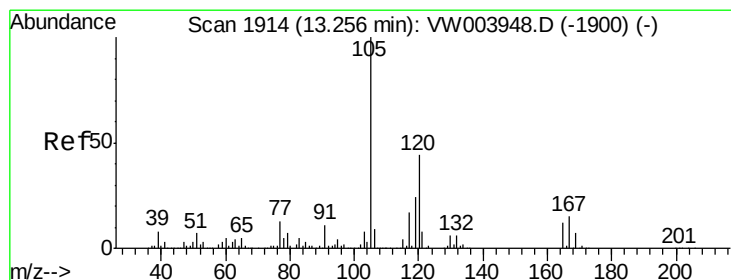
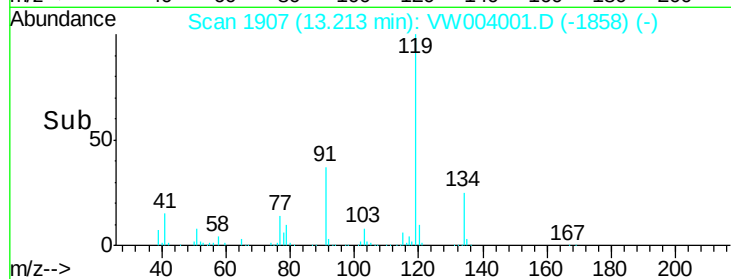
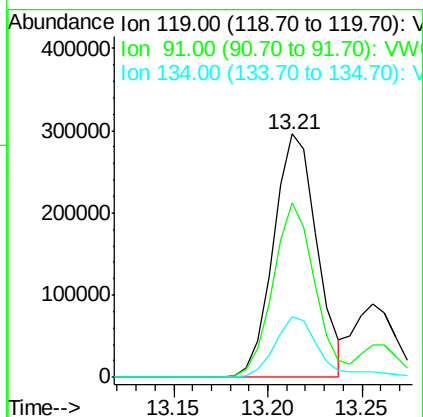
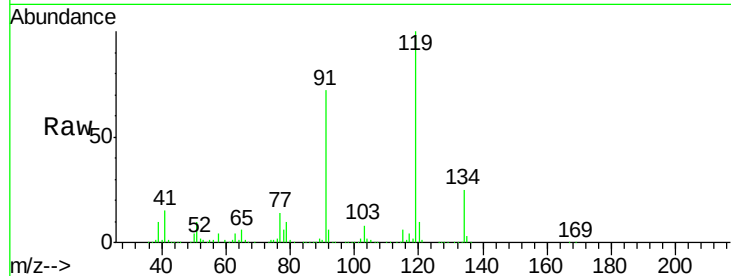




#83
 tert-Butylbenzene
 Concen: 51.618 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

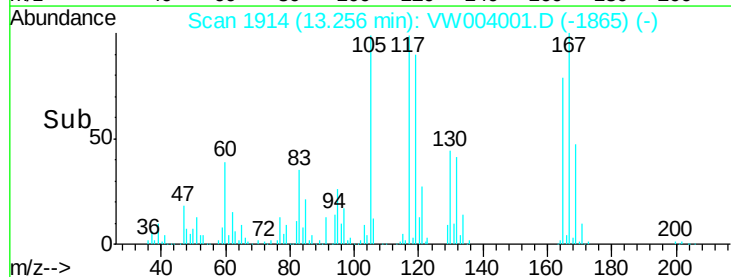
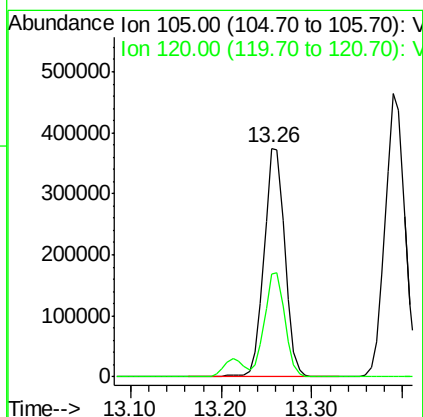
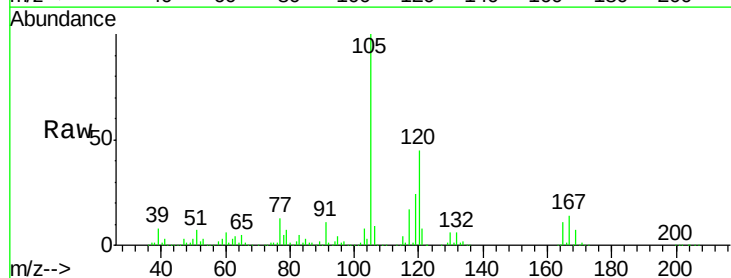
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

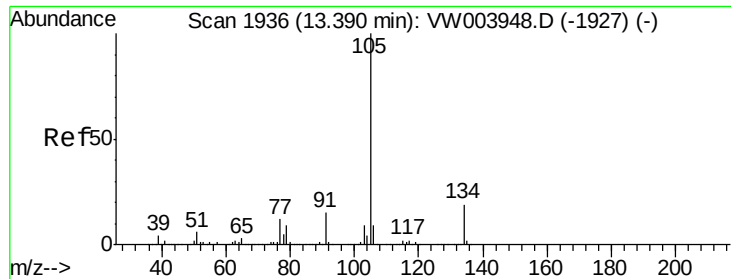
Tot Ion:119 Resp: 473769
 Ion Ratio Lower Upper
 119 100
 91 69.1 33.2 99.6
 134 26.0 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 52.784 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Tgt Ion:105 Resp: 593691
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.1 66.1

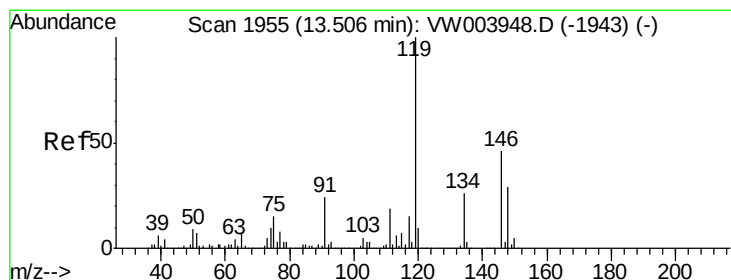
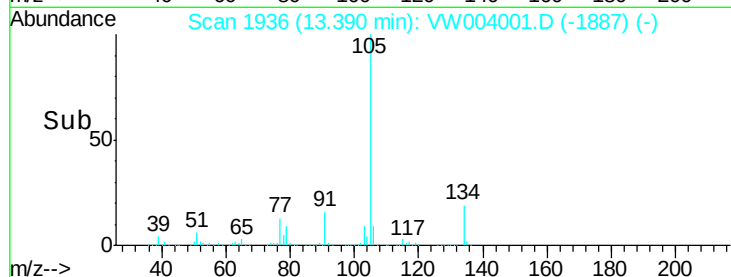
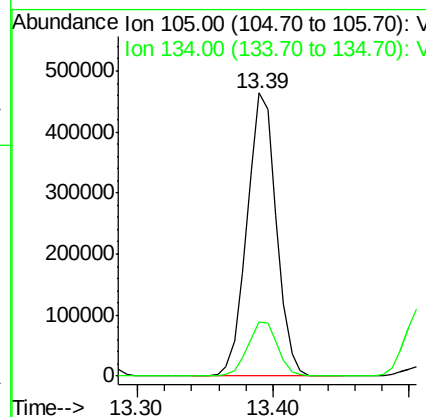
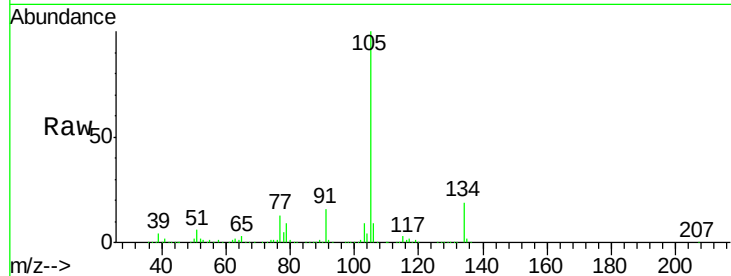




#85
 sec-Butylbenzene
 Concen: 51.286 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

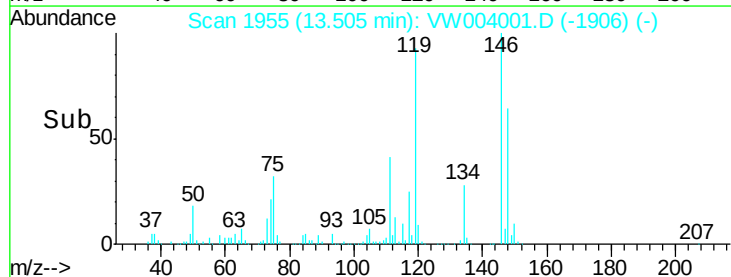
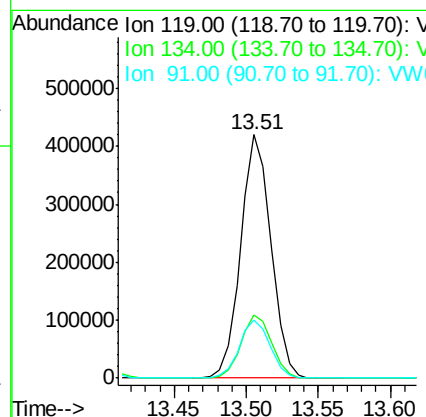
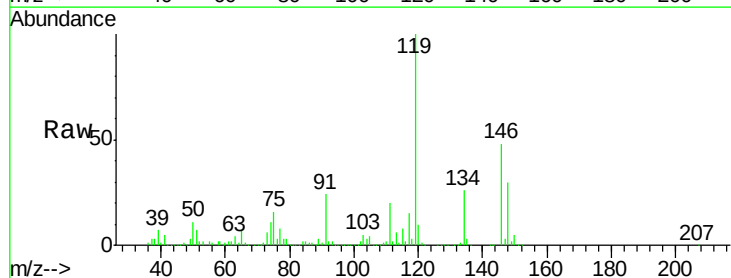
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

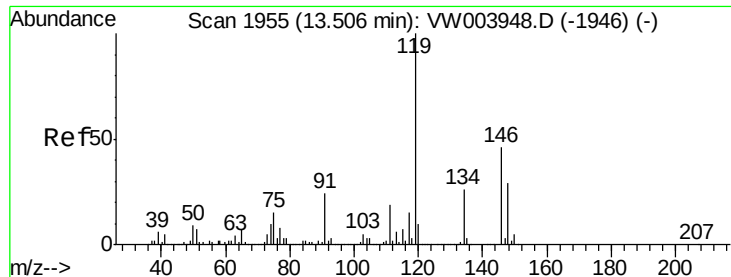
Tot Ion:105 Resp: 698438
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 51.282 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Tgt Ion:119 Resp: 612580
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.0 38.9
 91 24.1 11.8 35.3

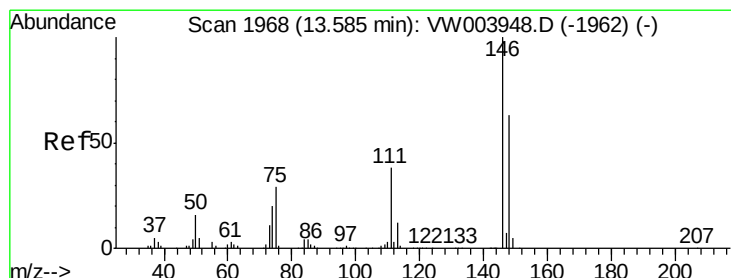
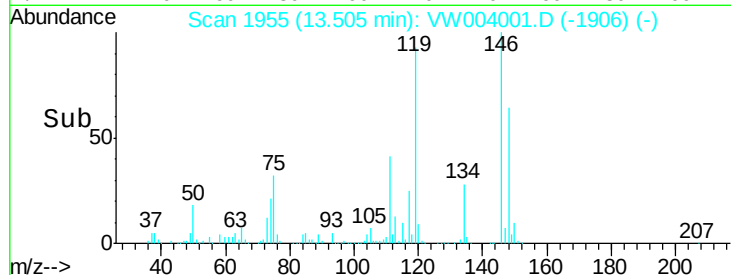
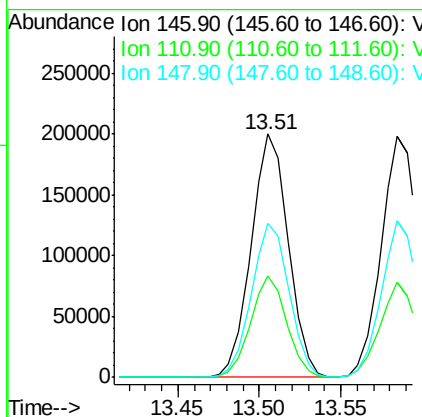
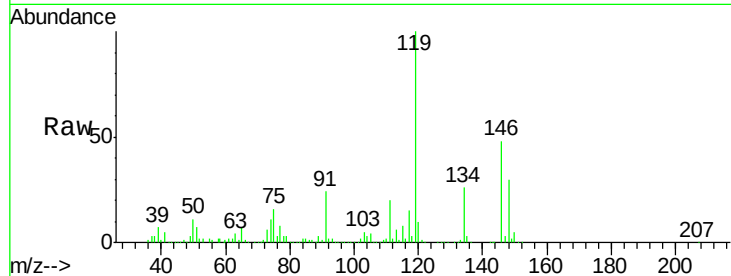




#87
 1,3-Dichlorobenzene
 Concen: 50.898 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

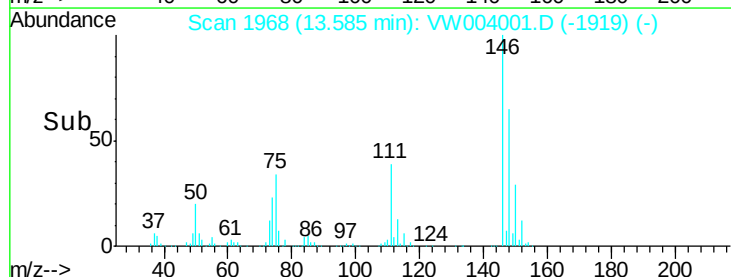
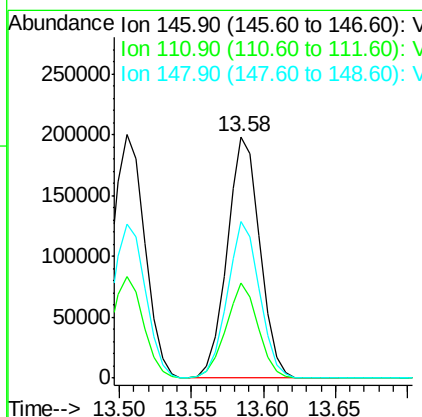
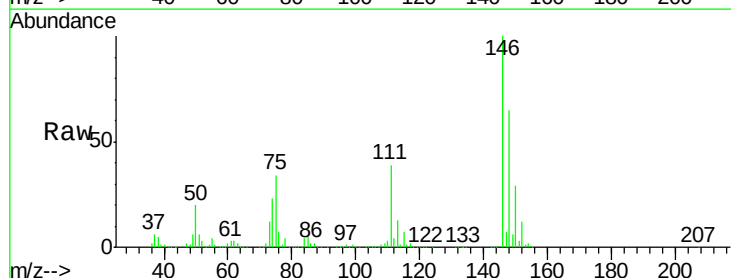
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

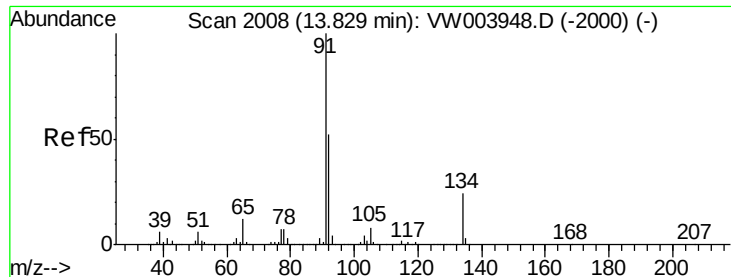
Tot Ion:146 Resp: 316001
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.9 59.6
 148 64.0 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 50.557 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Tgt Ion:146 Resp: 314786
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.6 58.7
 148 64.1 32.3 96.8





#89

n-Butylbenzene

Concen: 50.533 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

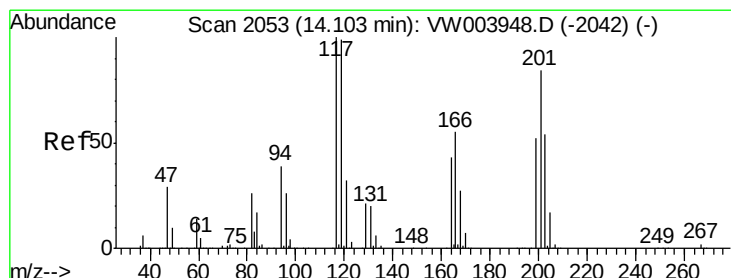
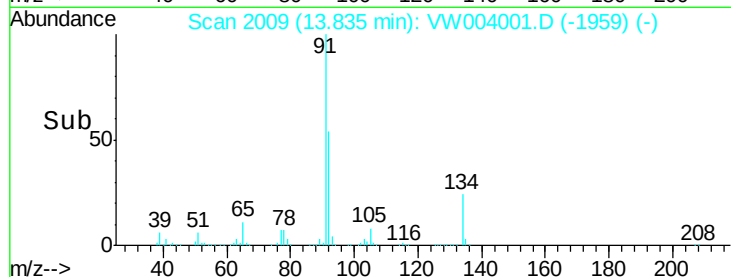
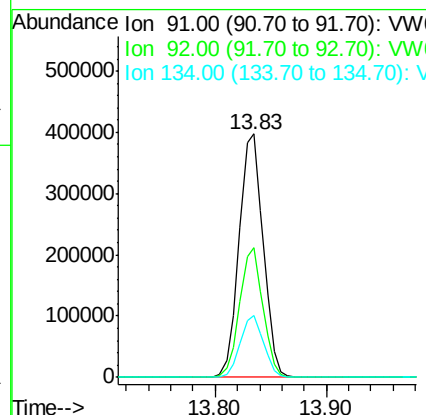
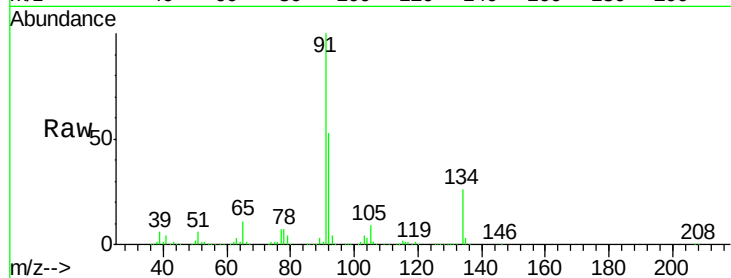
Tot Ion: 91 Resp: 593400

Ion Ratio Lower Upper

91 100

92 51.7 26.1 78.3

134 24.7 12.4 37.4



#90

Hexachloroethane

Concen: 51.252 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VW004001.D

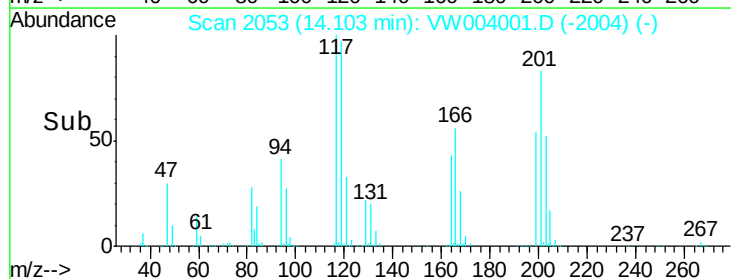
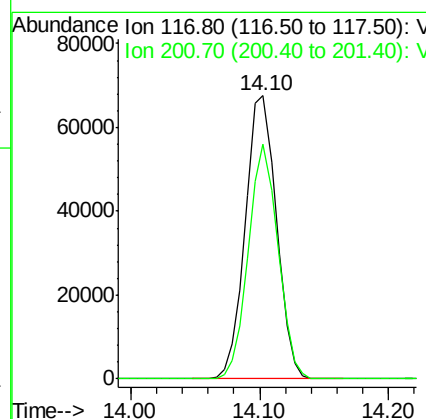
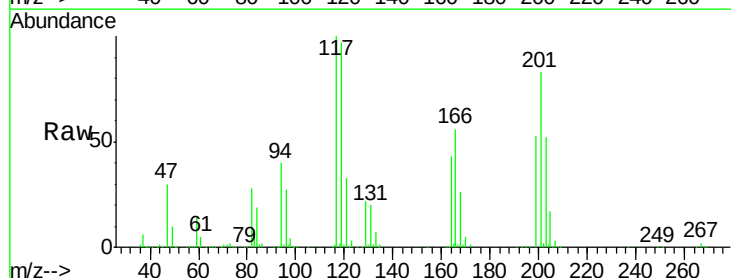
Acq: 17 Jul 2018 23:33

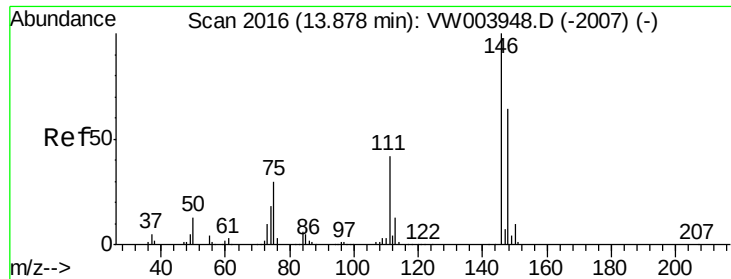
Tgt Ion: 117 Resp: 112855

Ion Ratio Lower Upper

117 100

201 78.7 40.3 120.9

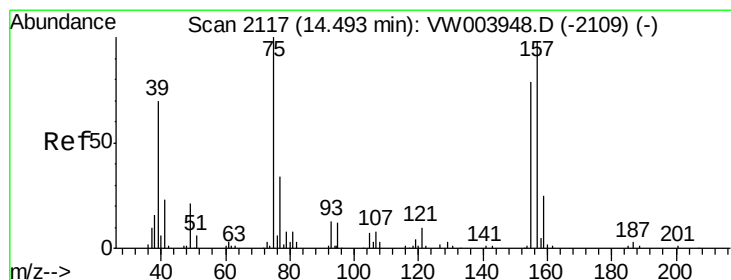
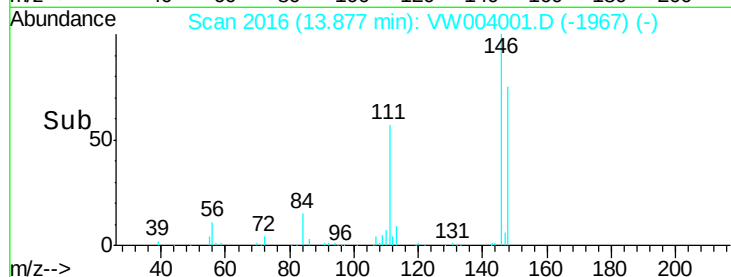
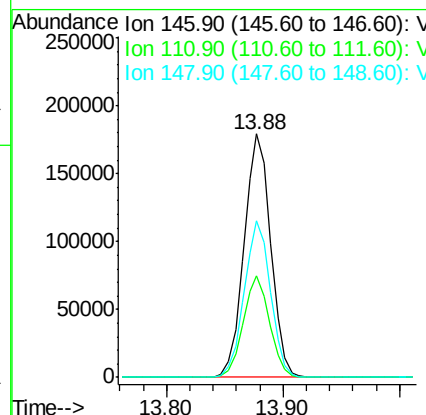
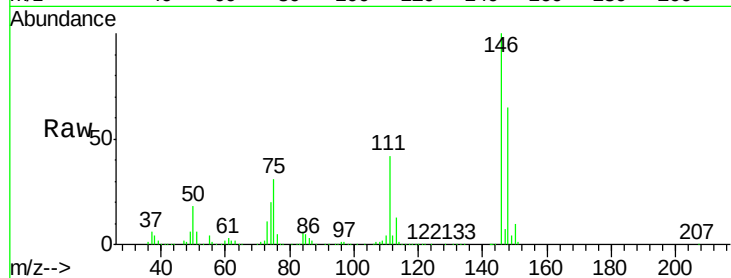




#91
 1,2-Dichlorobenzene
 Concen: 51.576 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

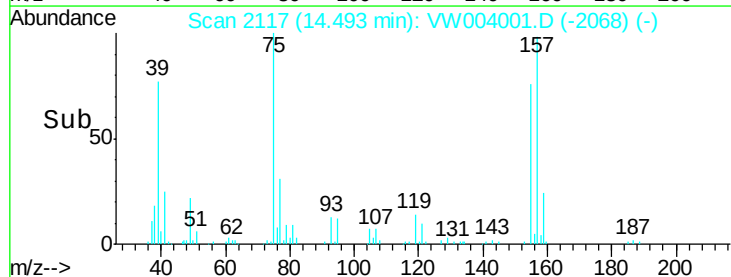
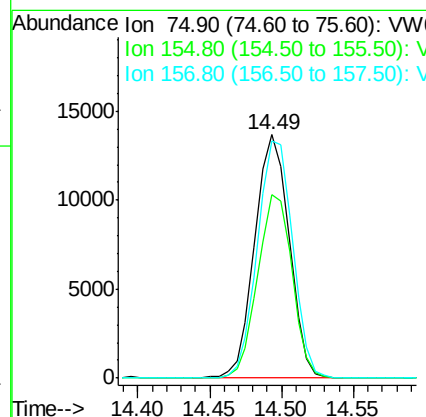
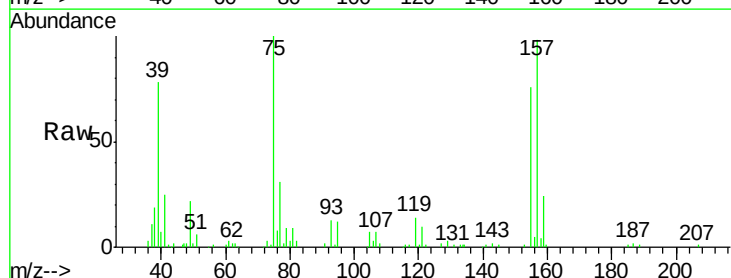
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

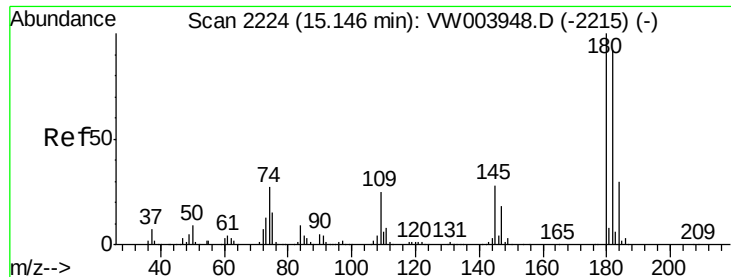
Tot Ion:146 Resp: 285291
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.7 62.1
 148 63.8 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.602 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Tgt Ion: 75 Resp: 22606
 Ion Ratio Lower Upper
 75 100
 155 75.4 39.4 118.1
 157 99.8 51.8 155.4

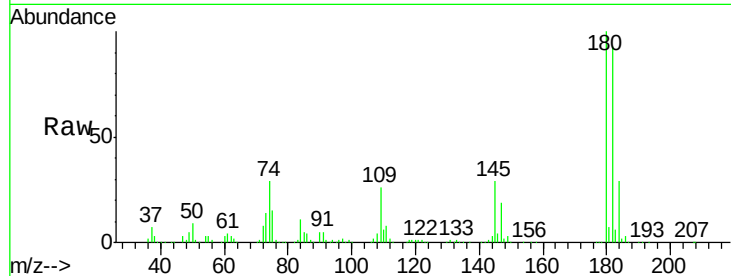




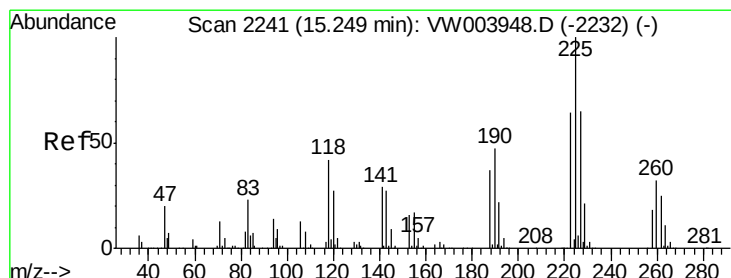
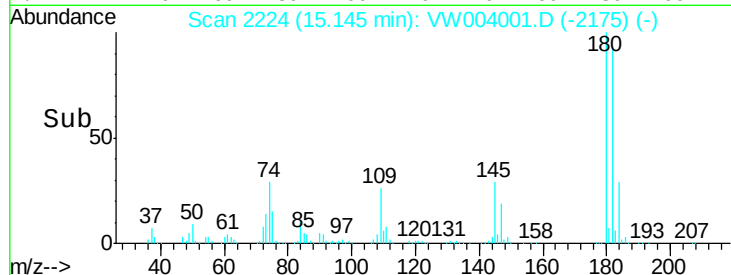
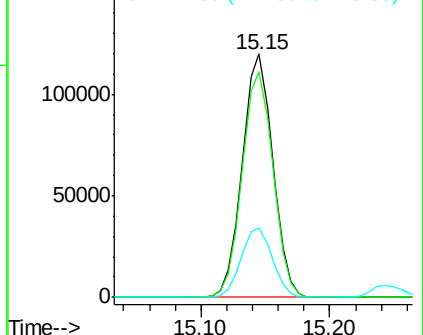
#93
1,2,4-Trichlorobenzene
Concen: 50.277 ug/l
RT: 15.15 min Scan# 2224
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:180 Resp: 195321
Ion Ratio Lower Upper
180 100
182 94.0 46.9 140.8
145 29.5 15.0 45.0

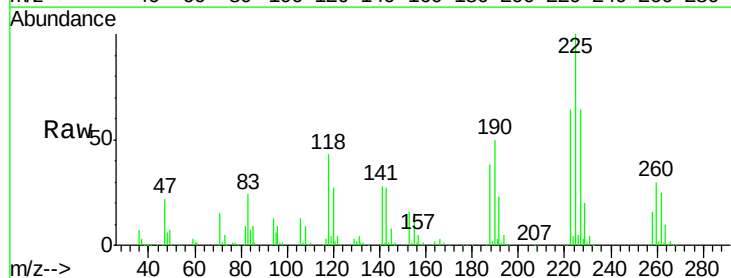


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

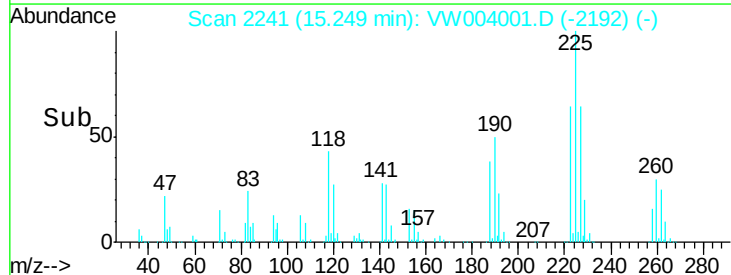
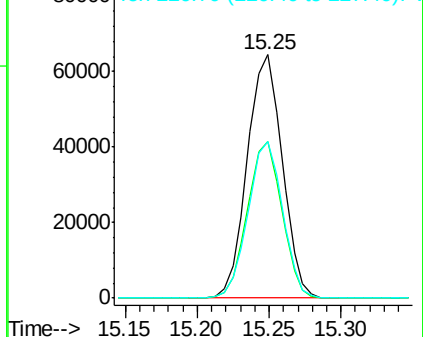


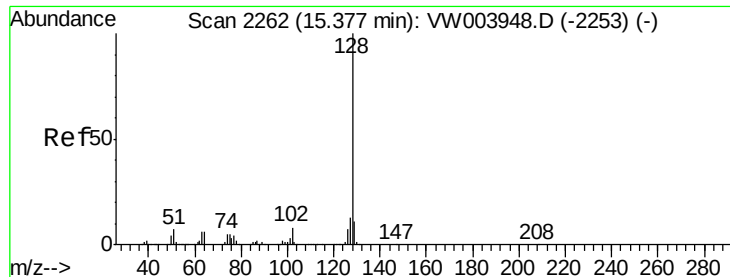
#94
Hexachlorobutadiene
Concen: 48.534 ug/l
RT: 15.25 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion:225 Resp: 108270
Ion Ratio Lower Upper
225 100
223 63.4 32.0 96.2
227 63.2 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 53.085 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

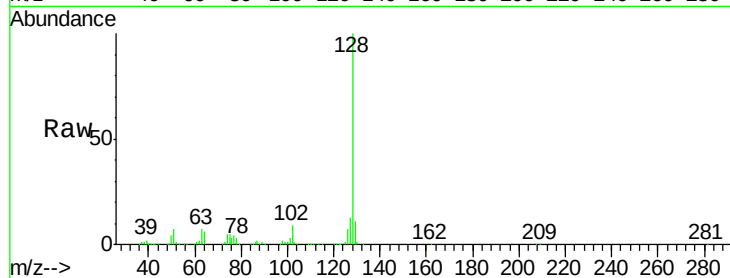
Tot Ion:128 Resp: 380647

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

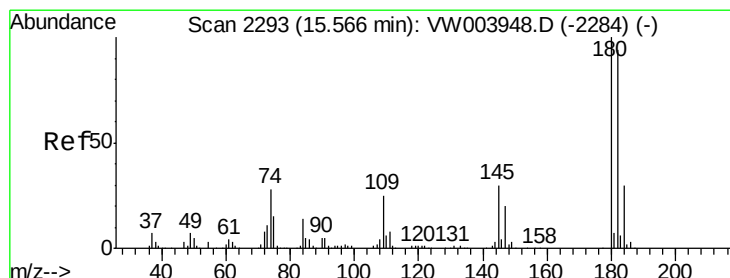
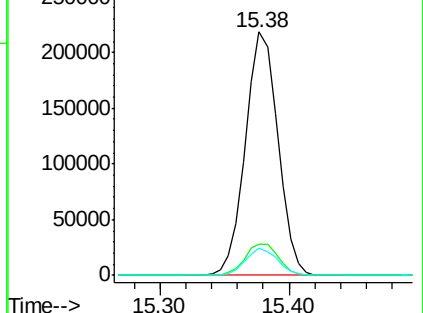
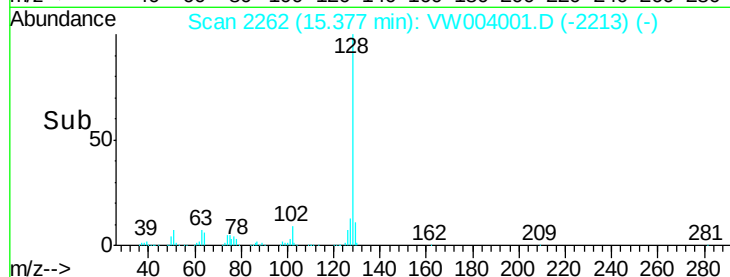
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.908 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

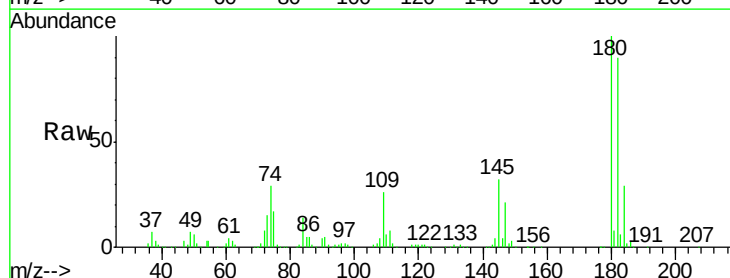
Tgt Ion:180 Resp: 178540

Ion Ratio Lower Upper

180 100

182 93.7 47.5 142.6

145 31.7 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

