

Data File : VW010477.D
Acq On : 21 May 2019 10:18
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: May 22 06:39:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	153125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	266263	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	231558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109814	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	77142	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
35) Dibromofluoromethane	7.88	113	81668	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
50) Toluene-d8	10.32	98	316659	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
62) 4-Bromofluorobenzene	12.62	95	118202	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.00	85	71347	52.314	ug/l 99
3) Chloromethane	2.21	50	82270	51.136	ug/l 99
4) Vinyl Chloride	2.35	62	89614	48.088	ug/l 99
5) Bromomethane	2.77	94	75456	58.856	ug/l 98
6) Chloroethane	2.92	64	59592	49.814	ug/l 100
7) Trichlorofluoromethane	3.26	101	144138	52.389	ug/l 97
8) Diethyl Ether	3.68	74	41182	47.219	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	88406	52.177	ug/l 99
10) Methyl Iodide	4.27	142	95855	49.496	ug/l 99
11) Tert butyl alcohol	5.19	59	25202	177.272	ug/l 99
12) 1,1-Dichloroethene	4.04	96	83629	51.706	ug/l 98
13) Acrolein	3.90	56	18406	219.466	ug/l 99
14) Allyl chloride	4.67	41	119324	50.967	ug/l 98
15) Acrylonitrile	5.37	53	75928	207.878	ug/l 99
16) Acetone	4.14	43	69887	216.625	ug/l 98
17) Carbon Disulfide	4.38	76	253528	52.553	ug/l 98
18) Methyl Acetate	4.68	43	31235	39.587	ug/l 99
19) Methyl tert-butyl Ether	5.43	73	191534	46.452	ug/l 97
20) Methylene Chloride	4.92	84	83965	43.719	ug/l 97
21) trans-1,2-Dichloroethene	5.42	96	96474	52.002	ug/l 98
22) Diisopropyl ether	6.31	45	234308	48.809	ug/l 99
23) Vinyl Acetate	6.26	43	679970	237.125	ug/l 99
24) 1,1-Dichloroethane	6.21	63	148096	51.696	ug/l 99
25) 2-Butanone	7.17	43	98255	212.814	ug/l 97
26) 2,2-Dichloropropane	7.16	77	146165	53.564	ug/l 99
27) cis-1,2-Dichloroethene	7.17	96	103573	51.352	ug/l 100
28) Bromochloromethane	7.51	49	53384	52.048	ug/l 95
29) Tetrahydrofuran	7.53	42	61472	196.762	ug/l 99
30) Chloroform	7.68	83	159077	51.481	ug/l 98
31) Cyclohexane	7.95	56	146151	48.704	ug/l 100
32) 1,1,1-Trichloroethane	7.87	97	153984	52.138	ug/l 99
36) 1,1-Dichloropropene	8.08	75	128239	51.701	ug/l 100
37) Ethyl Acetate	7.25	43	43159	40.918	ug/l 99
38) Carbon Tetrachloride	8.07	117	140978	52.689	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	171504	51.610	ug/l	99
40) Benzene	8.32	78	356757	51.748	ug/l	99
41) Methacrylonitrile	7.48	41	28091	44.822	ug/l	92
42) 1,2-Dichloroethane	8.40	62	96448	48.949	ug/l	100
43) Isopropyl Acetate	8.42	43	90401	42.901	ug/l	98
44) Trichloroethene	9.09	130	106041	51.811	ug/l	100
45) 1,2-Dichloropropane	9.37	63	82258	50.239	ug/l	99
46) Dibromomethane	9.46	93	46615	48.682	ug/l	100
47) Bromodichloromethane	9.65	83	120205	49.955	ug/l	99
48) Methyl methacrylate	9.43	41	41570	43.121	ug/l	97
49) 1,4-Dioxane	9.46	88	11676	746.450	ug/l #	81
51) 4-Methyl-2-Pentanone	10.21	43	217862	204.035	ug/l	99
52) Toluene	10.39	92	237416	51.279	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	118699	48.706	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	141565	50.864	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	66030	47.954	ug/l	99
56) Ethyl methacrylate	10.65	69	83688	44.068	ug/l	99
57) 1,3-Dichloropropane	10.93	76	109831	47.618	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	193262	229.761	ug/l	99
59) 2-Hexanone	10.97	43	163938	215.229	ug/l	100
60) Dibromochloromethane	11.13	129	84252	48.346	ug/l	100
61) 1,2-Dibromoethane	11.24	107	65507	46.964	ug/l	98
64) Tetrachloroethene	10.86	164	82273	50.969	ug/l	99
65) Chlorobenzene	11.66	112	255167	51.705	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	91100	51.532	ug/l	99
67) Ethyl Benzene	11.73	91	452087	51.886	ug/l	100
68) m/p-Xylenes	11.84	106	350969	102.697	ug/l	100
69) o-Xylene	12.17	106	164425	50.781	ug/l	100
70) Styrene	12.18	104	279424	50.861	ug/l	100
71) Bromoform	12.35	173	44522	45.733	ug/l #	99
73) Isopropylbenzene	12.47	105	453363	52.026	ug/l	100
74) N-amyl acetate	12.27	43	85333	42.733	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	70660	44.581	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	91342	81.944	ug/l	34
77) Bromobenzene	12.75	156	100391	51.481	ug/l	98
78) n-propylbenzene	12.80	91	520680	51.272	ug/l	100
79) 2-Chlorotoluene	12.90	91	298789	50.735	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	377681	51.174	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	24024	44.980	ug/l	100
82) 4-Chlorotoluene	12.99	91	310201	50.746	ug/l	100
83) tert-Butylbenzene	13.21	119	335798	52.088	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	369188	50.226	ug/l	100
85) sec-Butylbenzene	13.38	105	456912	50.645	ug/l	100
86) p-Isopropyltoluene	13.50	119	409668	50.168	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	190253	49.728	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	193845	50.499	ug/l	99
89) n-Butylbenzene	13.83	91	387934	49.945	ug/l	99
90) Hexachloroethane	14.10	117	81837	51.776	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	171772	49.275	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12033	40.829	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW052119\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	111649	47.073	ug/l	99
94) Hexachlorobutadiene	15.24	225	61915	48.864	ug/l	98
95) Naphthalene	15.37	128	214526	43.088	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	94005	46.061	ug/l	98

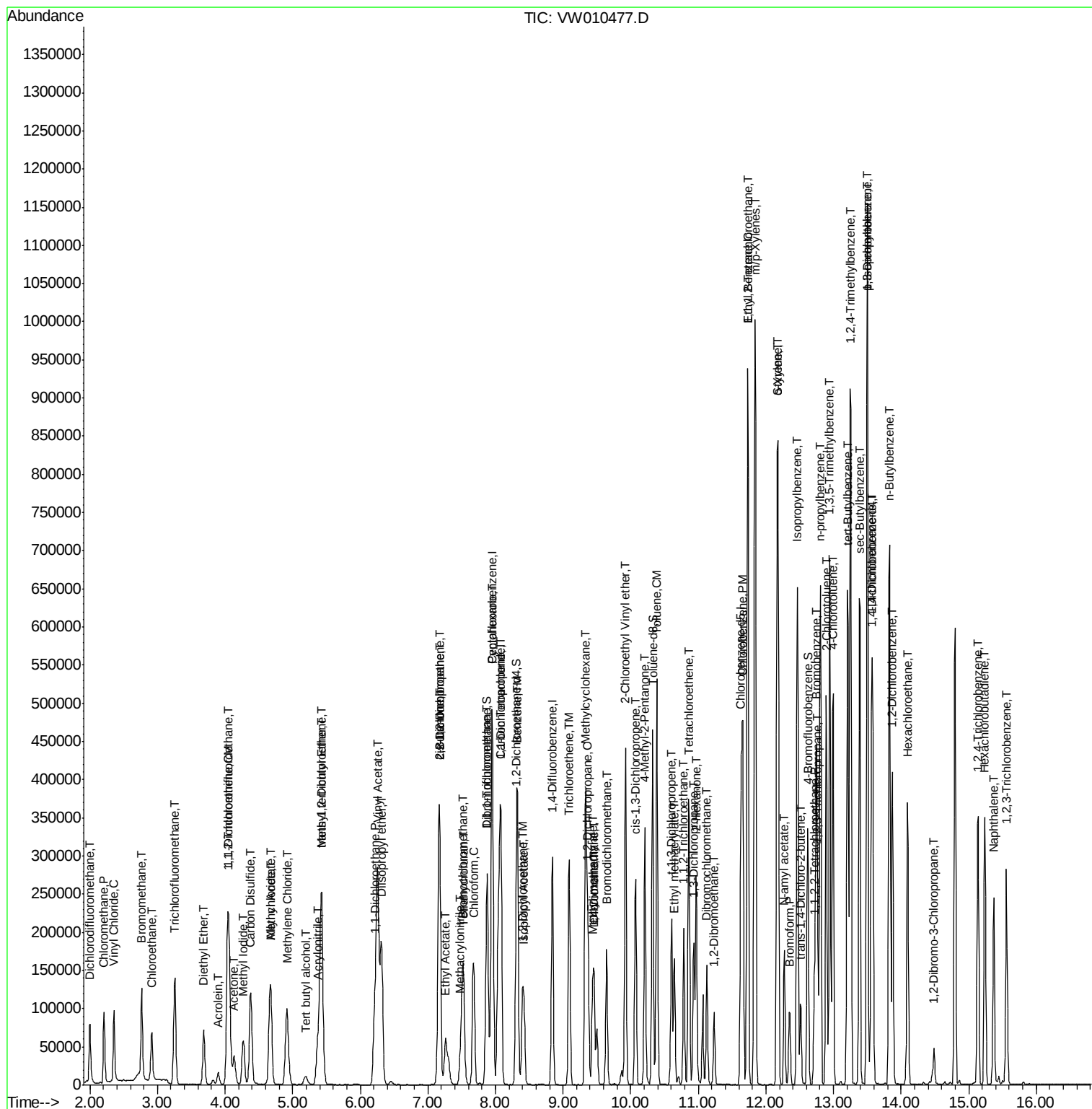
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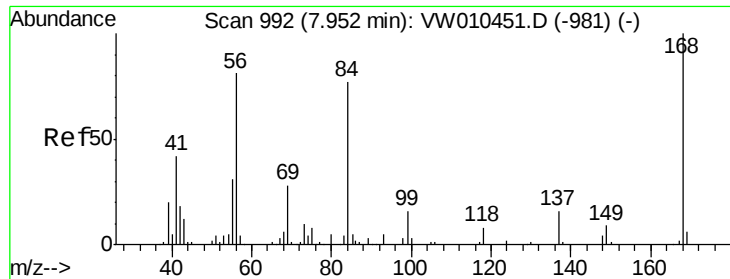
Data File : VW010477.D

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

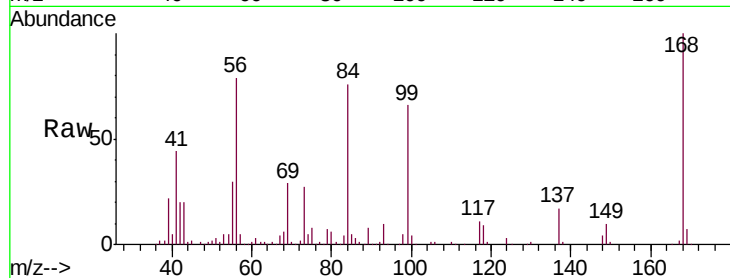
VSTDCCC050

Tgt Ion:168 Resp: 153125

Ion Ratio Lower Upper

168 100

99 65.5 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

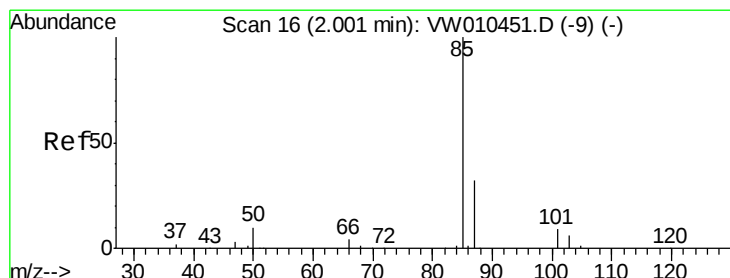
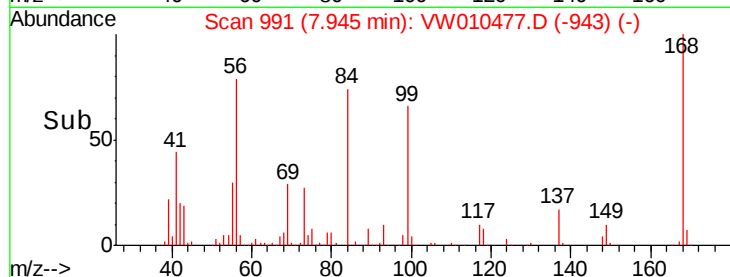
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 52.314 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW010477.D

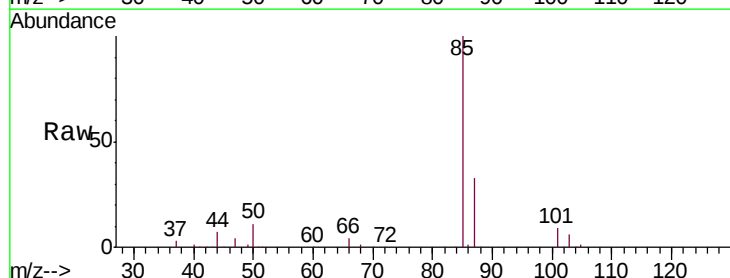
Acq: 21 May 2019 10:18

Tgt Ion: 85 Resp: 71347

Ion Ratio Lower Upper

85 100

87 33.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

50000

40000

30000

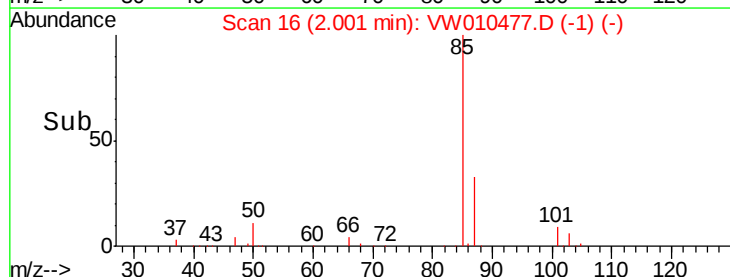
20000

10000

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1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 51.136 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

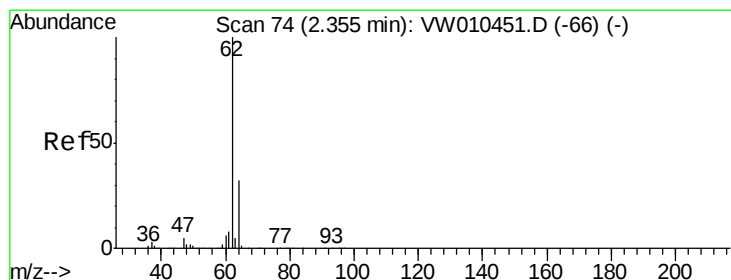
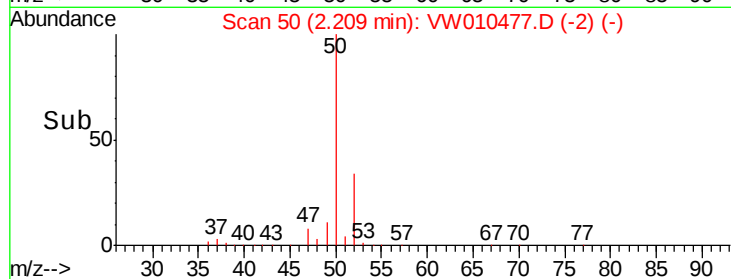
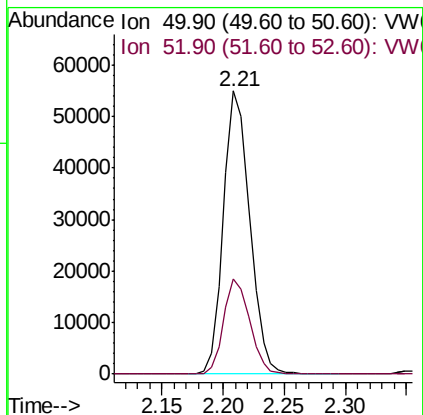
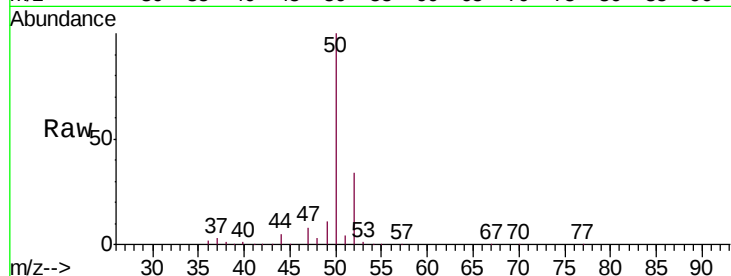
VSTDCCC050

Tgt Ion: 50 Resp: 82270

Ion Ratio Lower Upper

50 100

52 33.6 26.3 39.5



#4

Vinyl Chloride

Concen: 48.088 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010477.D

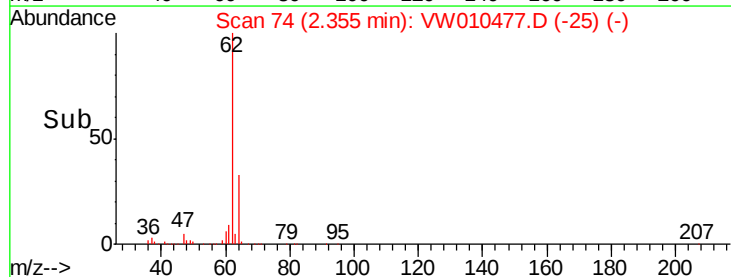
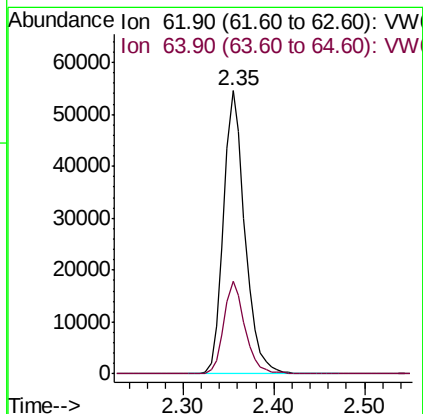
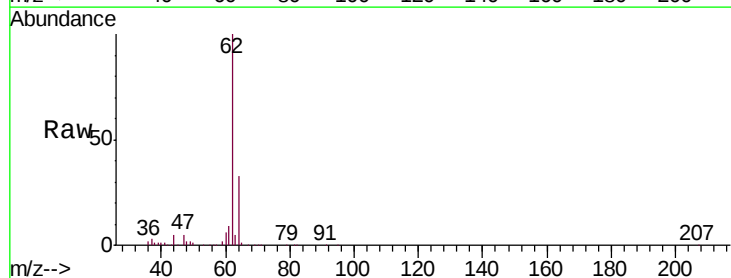
Acq: 21 May 2019 10:18

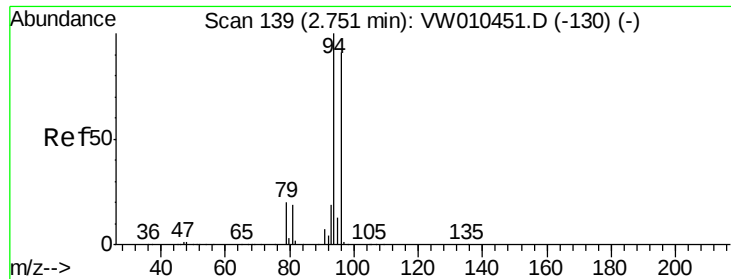
Tgt Ion: 62 Resp: 89614

Ion Ratio Lower Upper

62 100

64 32.7 25.8 38.8





#5

Bromomethane

Concen: 58.856 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.02 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

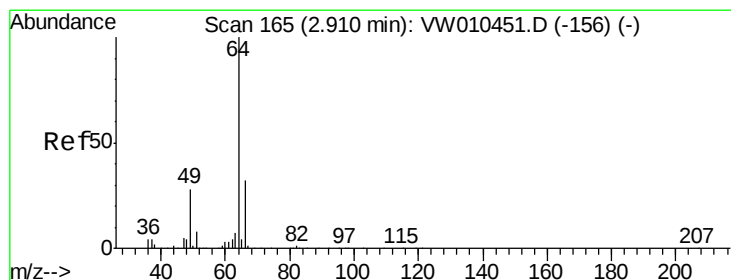
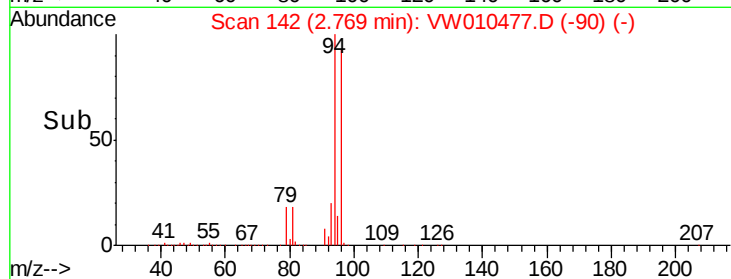
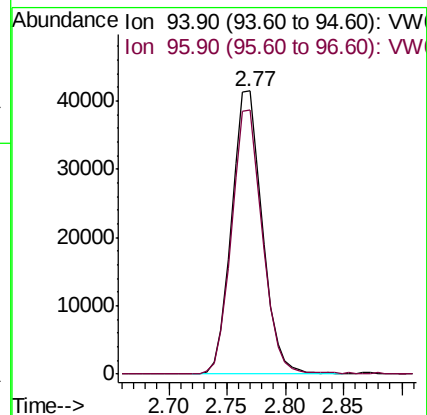
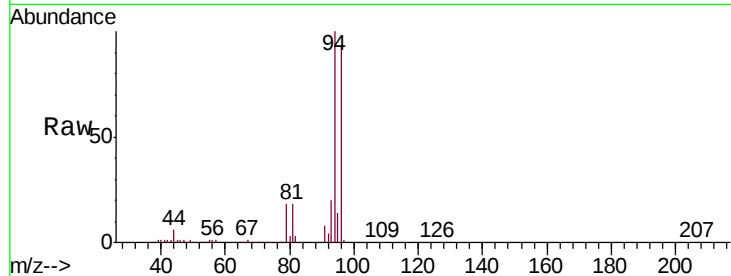
VSTDCCC050

Tgt Ion: 94 Resp: 75456

Ion Ratio Lower Upper

94 100

96 93.3 72.9 109.3



#6

Chloroethane

Concen: 49.814 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.01 min

Lab File: VW010477.D

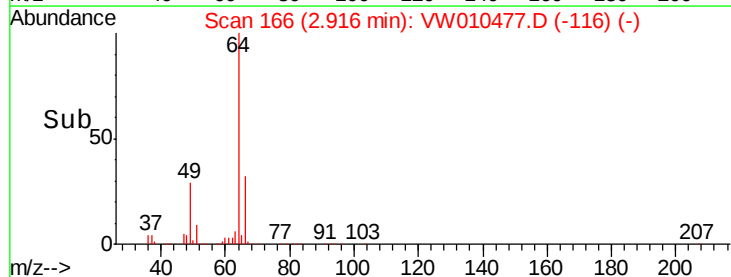
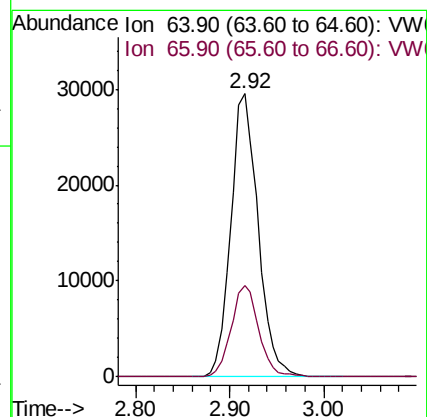
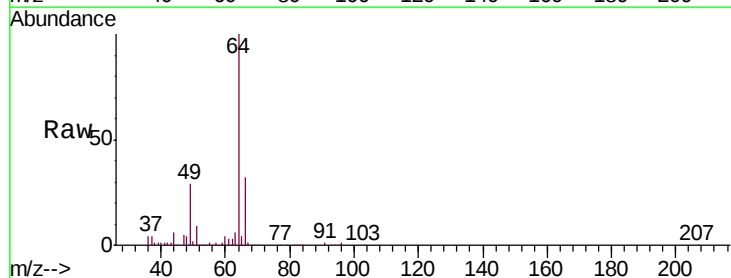
Acq: 21 May 2019 10:18

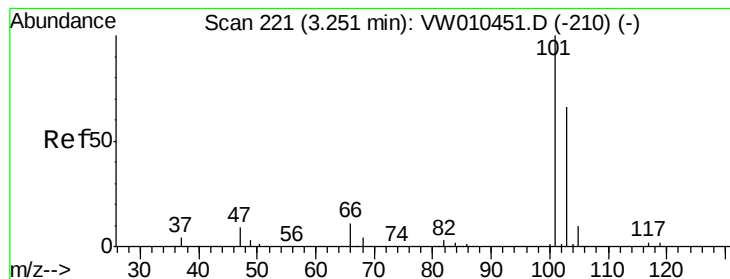
Tgt Ion: 64 Resp: 59592

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3



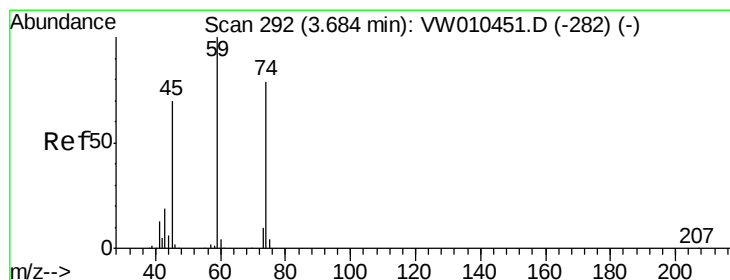
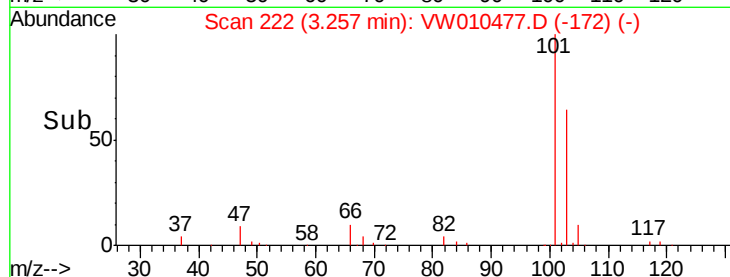
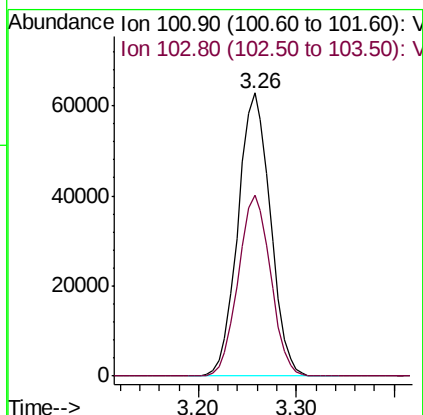
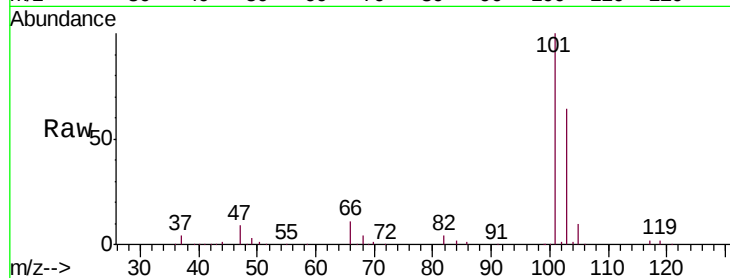


#7

Trichlorofluoromethane
 Concen: 52.389 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VW010477.D
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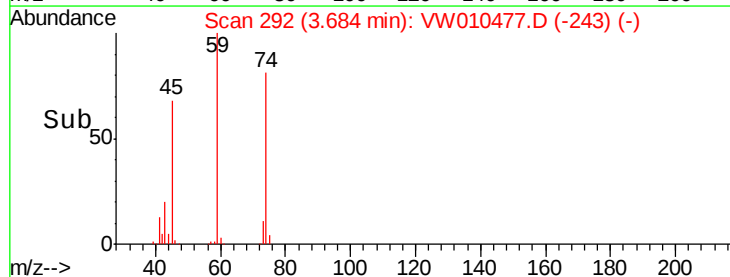
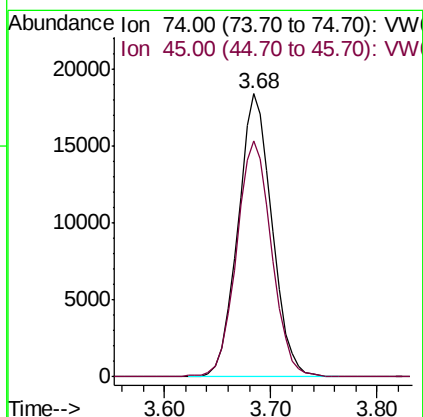
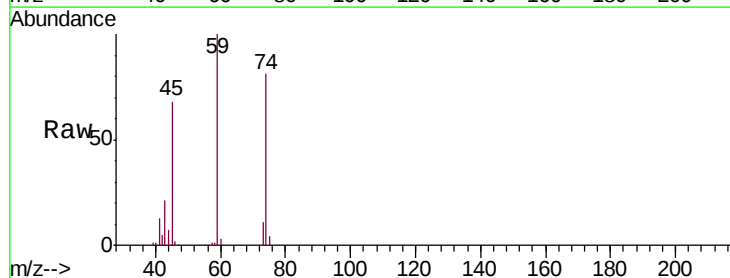
Tgt Ion:101 Resp: 144138
 Ion Ratio Lower Upper
 101 100
 103 63.7 53.0 79.4

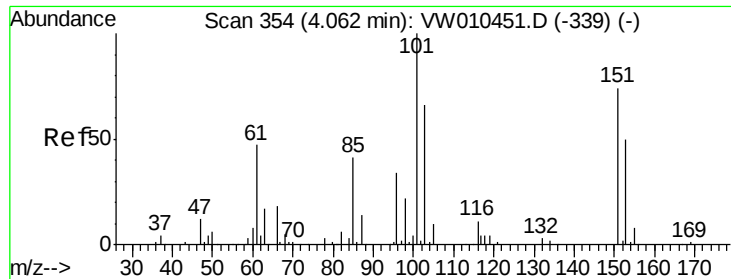


#8

Diethyl Ether
 Concen: 47.219 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Tgt Ion: 74 Resp: 41182
 Ion Ratio Lower Upper
 74 100
 45 86.2 42.9 128.5

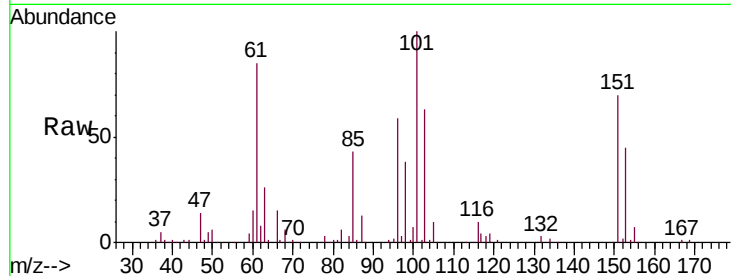




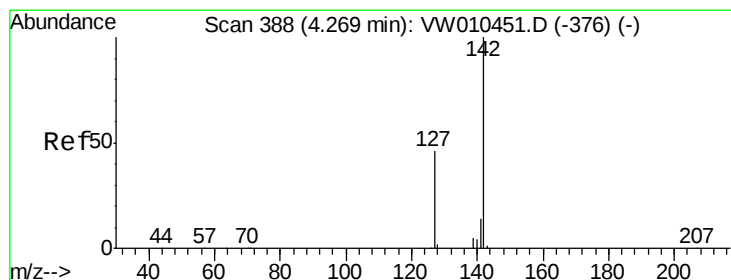
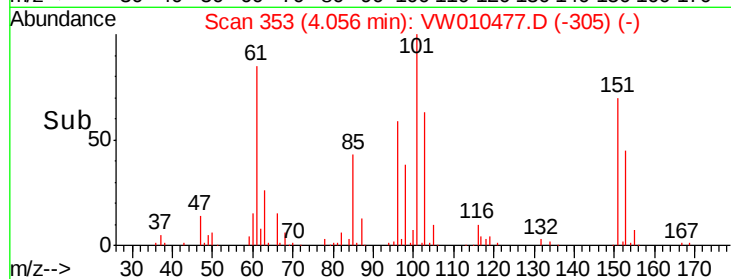
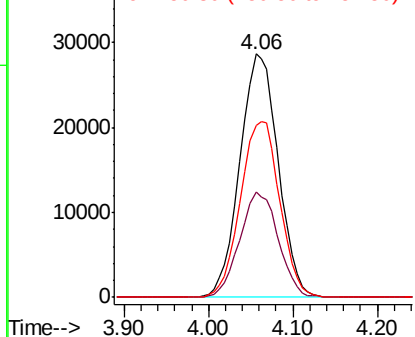
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 52.177 ug/l
 RT: 4.06 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VW010477.D
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Tgt Ion:	101	Resp:	88406
Ion	Ratio	Lower	Upper
101	100		
85	43.4	34.3	51.5
151	74.0	60.3	90.5

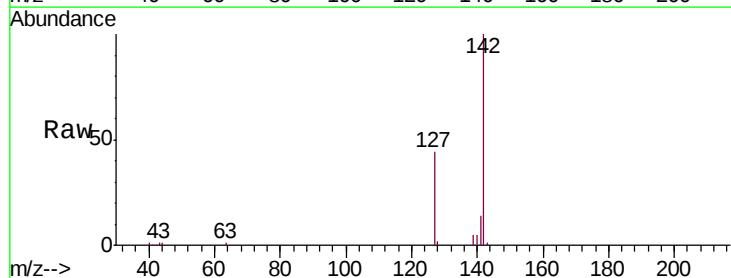


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

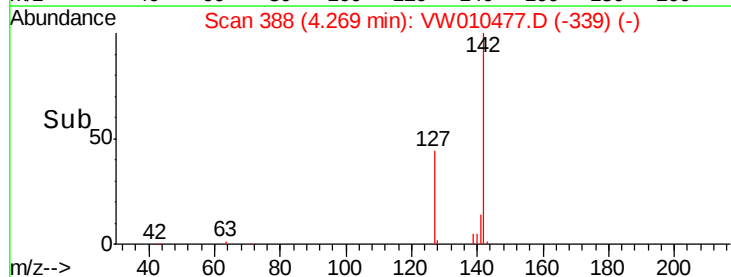
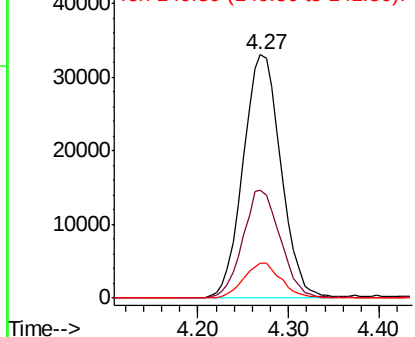


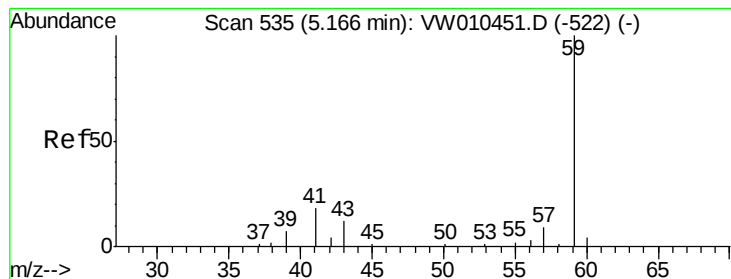
#10
 Methyl Iodide
 Concen: 49.496 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Tgt Ion:	142	Resp:	95855
Ion	Ratio	Lower	Upper
142	100		
127	44.1	36.1	54.1
141	14.1	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



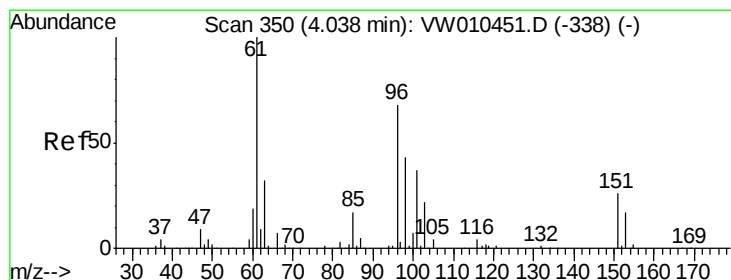
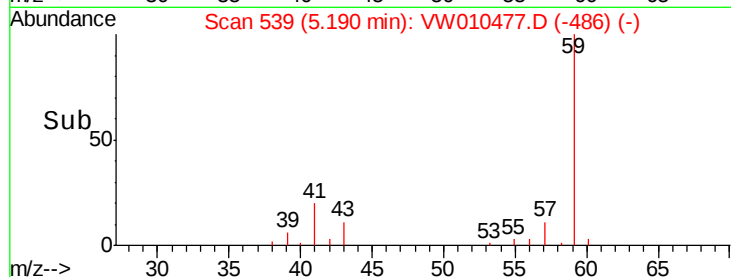
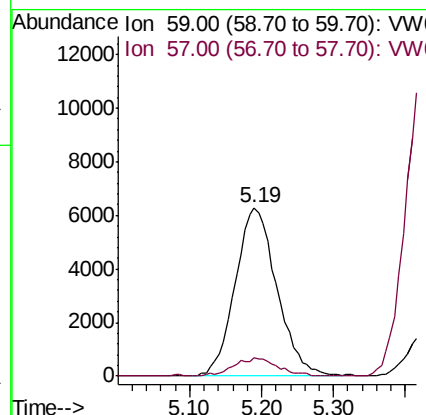
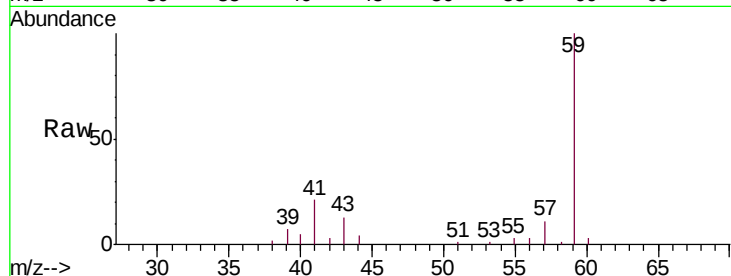


#11

Tert butyl alcohol
 Concen: 177.272 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

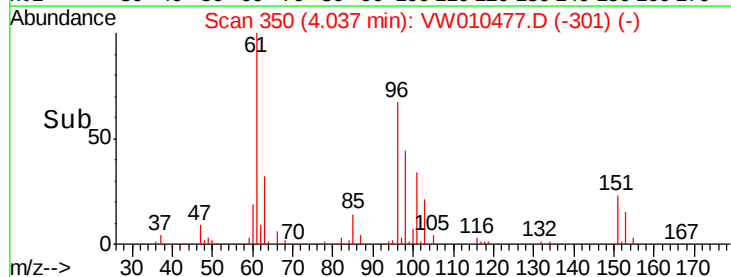
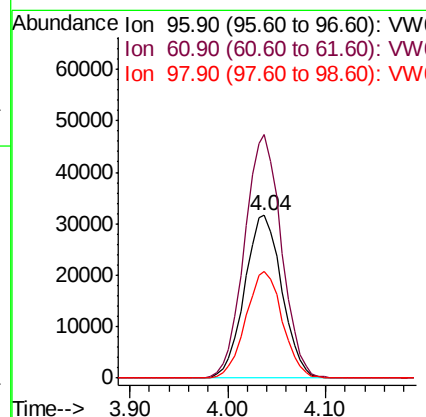
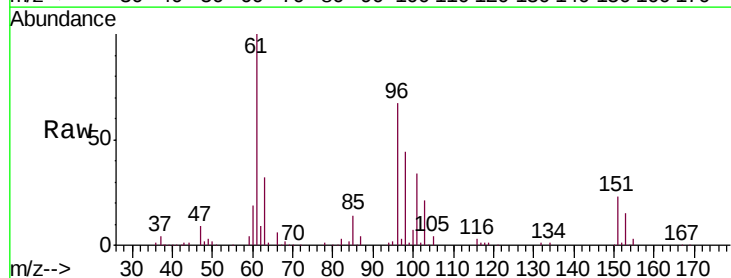
Tgt Ion: 59 Resp: 25202
 Ion Ratio Lower Upper
 59 100
 57 11.5 8.8 13.2

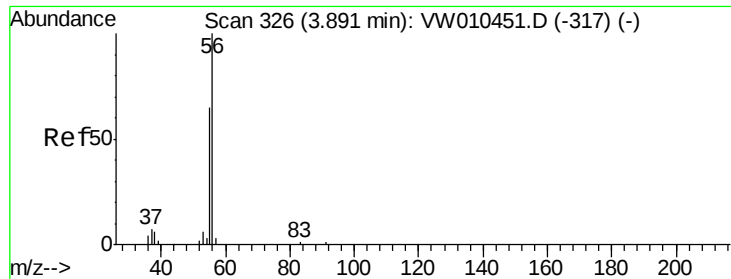


#12

1,1-Dichloroethene
 Concen: 51.706 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Tgt Ion: 96 Resp: 83629
 Ion Ratio Lower Upper
 96 100
 61 149.5 118.3 177.5
 98 65.7 51.0 76.6





#13

Acrolein

Concen: 219.466 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

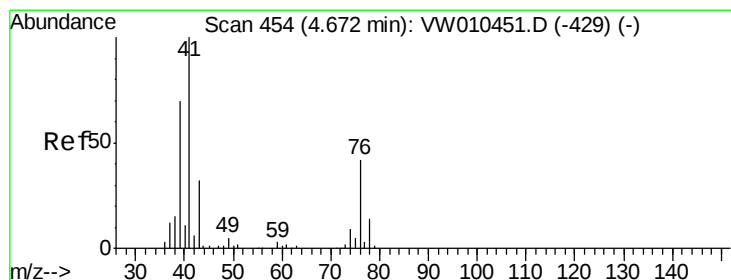
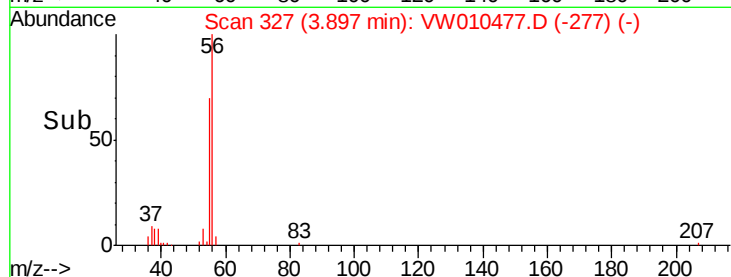
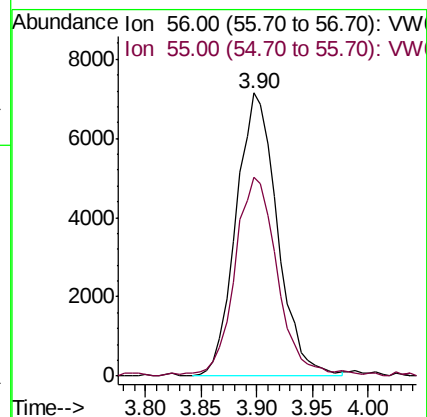
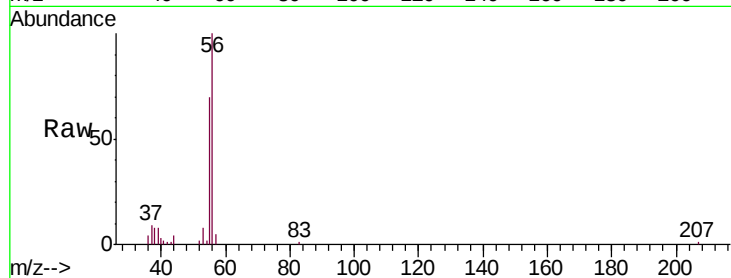
VSTDCCC050

Tgt Ion: 56 Resp: 18406

Ion Ratio Lower Upper

56 100

55 73.4 57.9 86.9



#14

Allyl chloride

Concen: 50.967 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

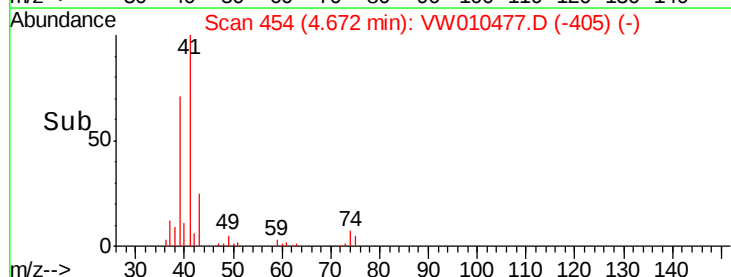
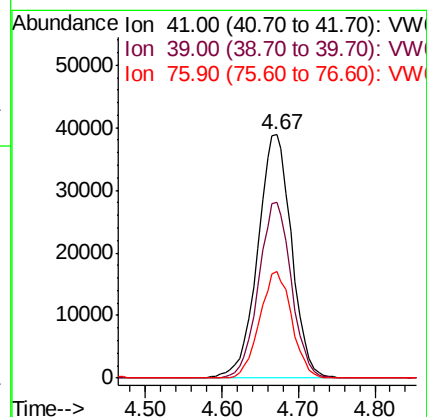
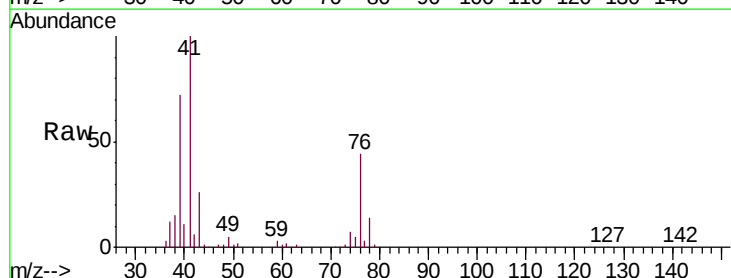
Tgt Ion: 41 Resp: 119324

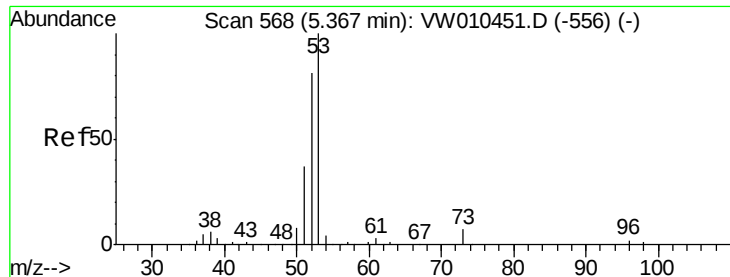
Ion Ratio Lower Upper

41 100

39 70.3 55.0 82.4

76 41.8 32.8 49.2





#15

Acrylonitrile

Concen: 207.878 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

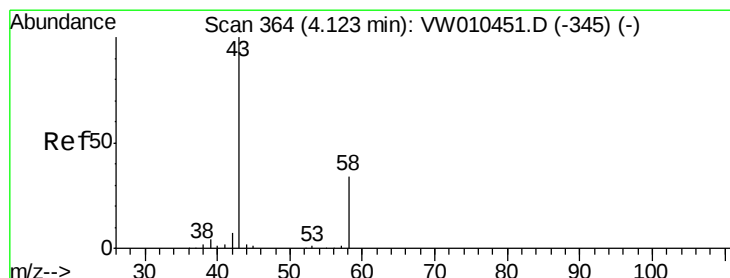
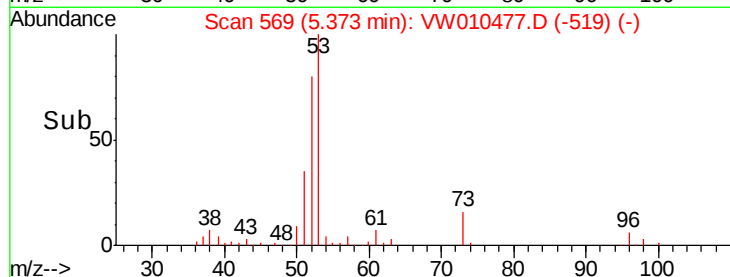
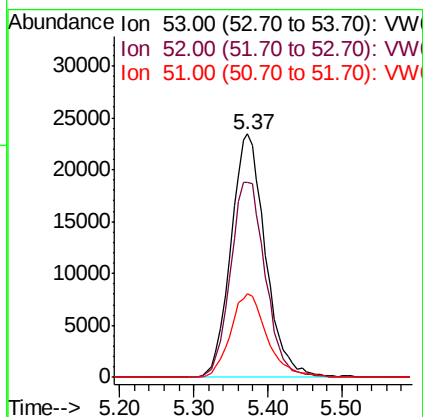
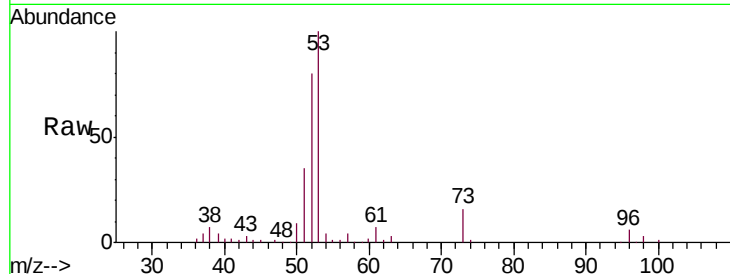
Tgt Ion: 53 Resp: 75928

Ion Ratio Lower Upper

53 100

52 80.9 65.6 98.4

51 36.5 29.5 44.3



#16

Acetone

Concen: 216.625 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010477.D

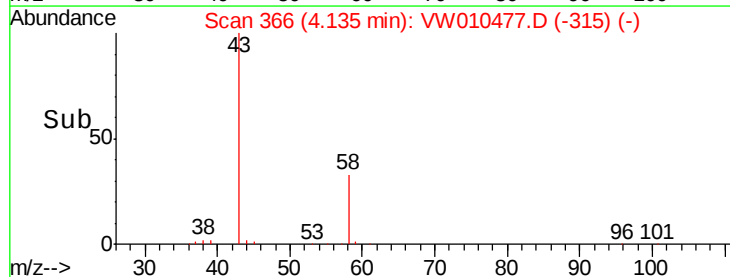
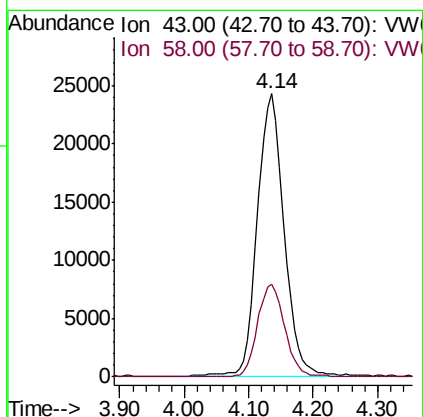
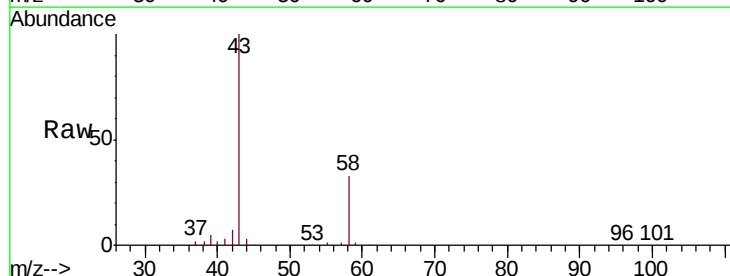
Acq: 21 May 2019 10:18

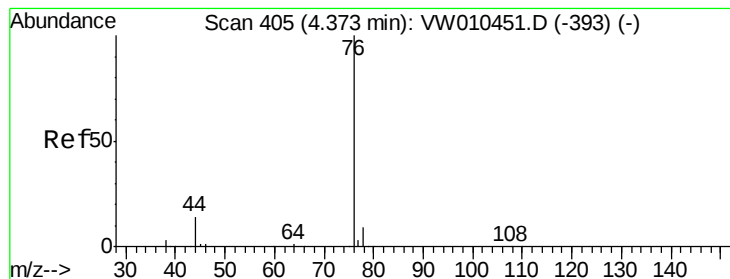
Tgt Ion: 43 Resp: 69887

Ion Ratio Lower Upper

43 100

58 32.6 27.0 40.4





#17

Carbon Disulfide

Concen: 52.553 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

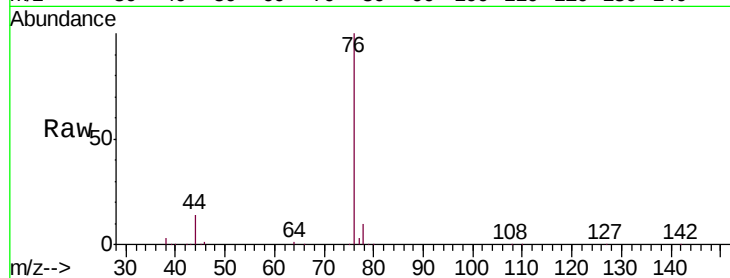
VSTDCCC050

Tgt Ion: 76 Resp: 253528

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

100000

80000

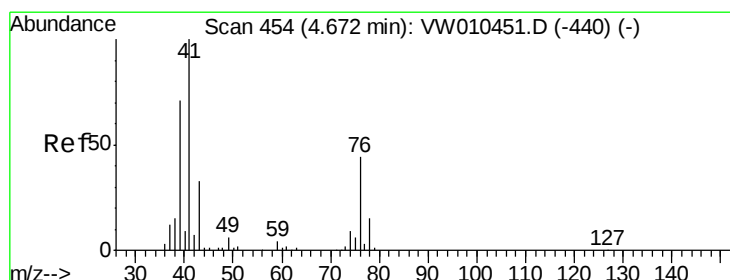
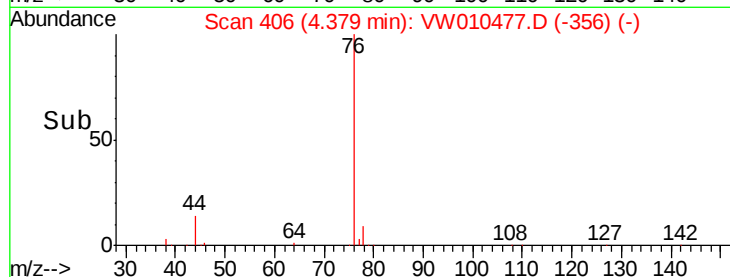
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 39.587 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW010477.D

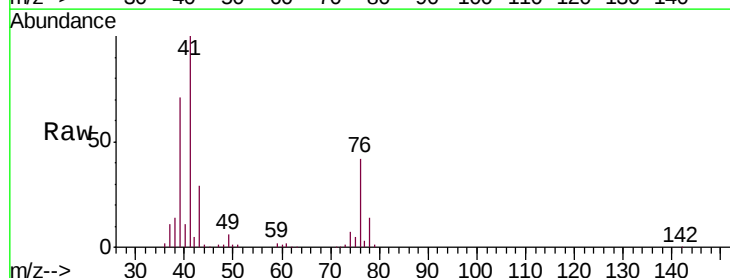
Acq: 21 May 2019 10:18

Tgt Ion: 43 Resp: 31235

Ion Ratio Lower Upper

43 100

74 26.4 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

12000

10000

8000

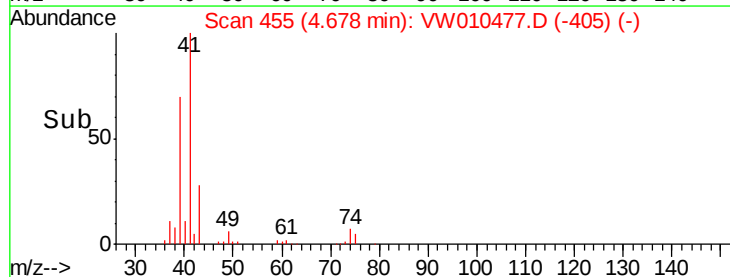
6000

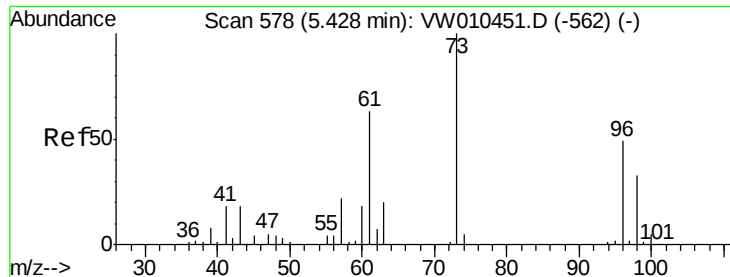
4000

2000

0

Time-->

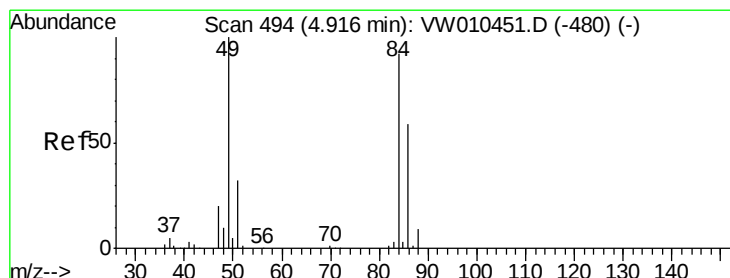
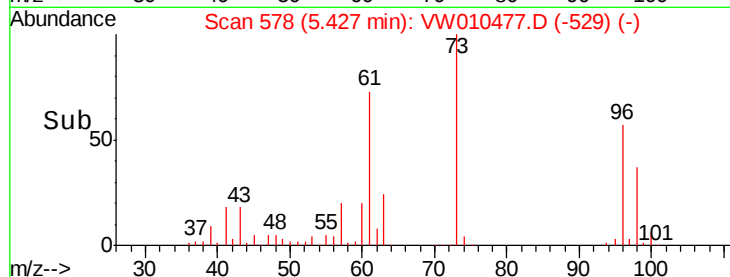
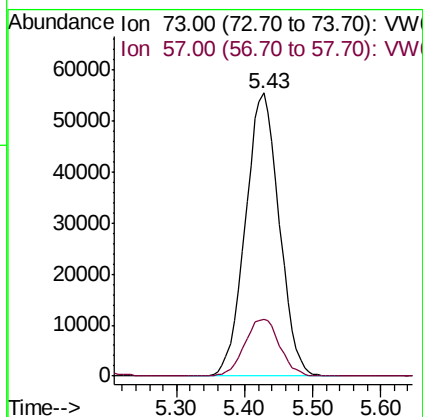
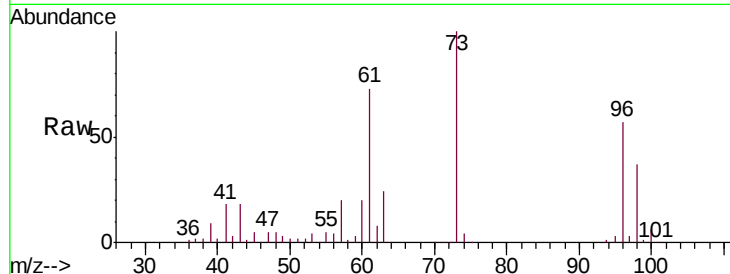




#19
Methyl tert-butyl Ether
Concen: 46.452 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

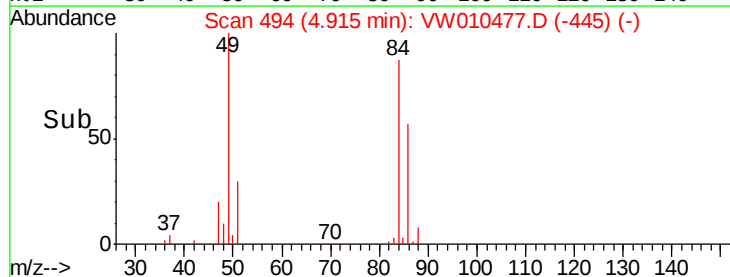
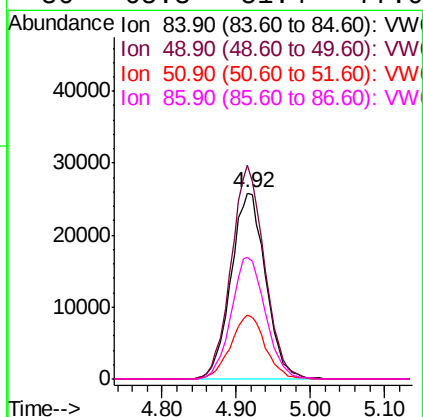
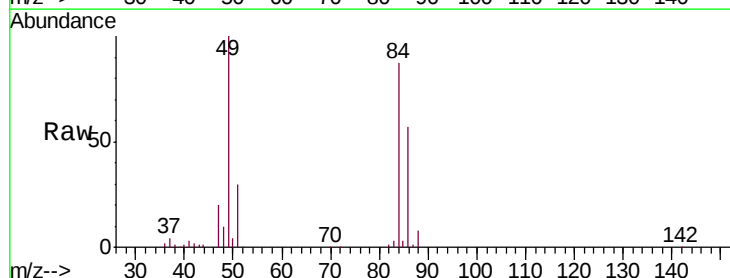
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

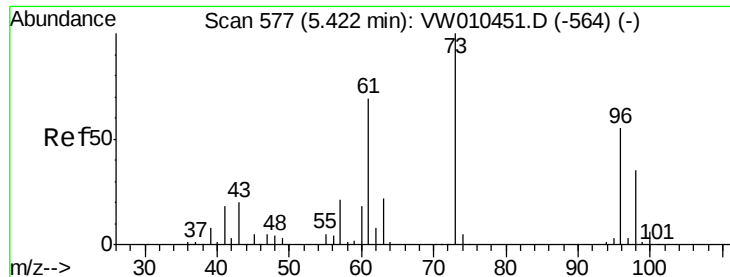
Tgt Ion: 73 Resp: 191534
Ion Ratio Lower Upper
73 100
57 20.3 17.4 26.0



#20
Methylene Chloride
Concen: 43.719 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion: 84 Resp: 83965
Ion Ratio Lower Upper
84 100
49 114.9 87.2 130.8
51 34.4 27.7 41.5
86 65.3 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 52.002 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

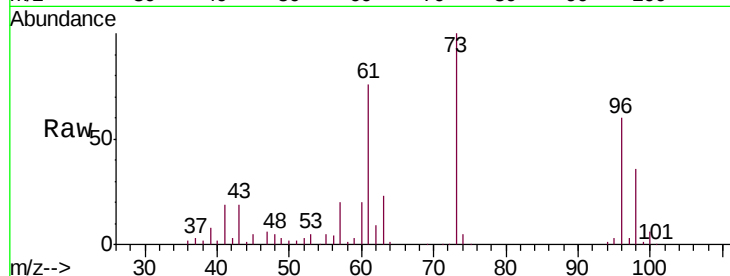
Tgt Ion: 96 Resp: 96474

Ion Ratio Lower Upper

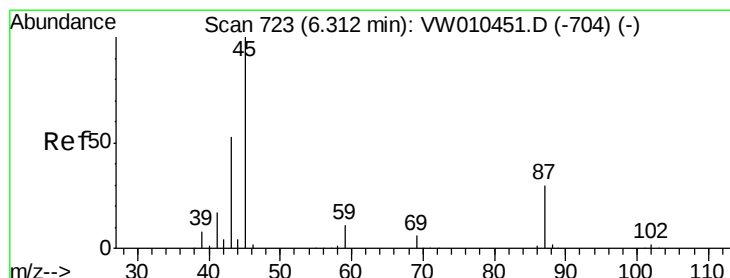
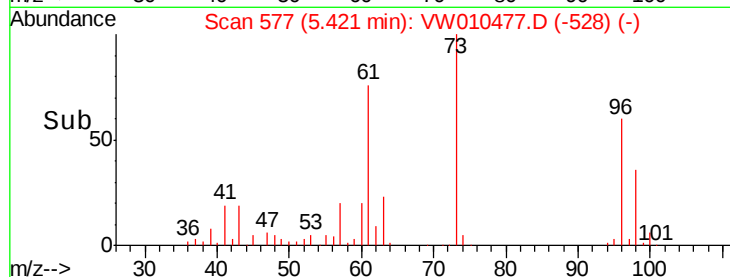
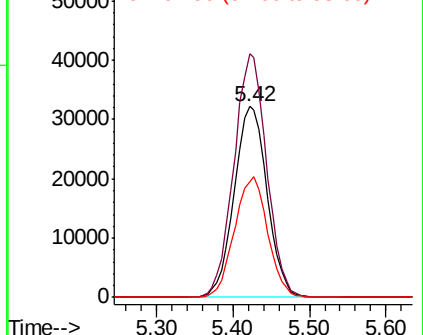
96 100

61 127.6 101.4 152.0

98 60.9 50.6 76.0



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



#22

Diisopropyl ether

Concen: 48.809 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Tgt Ion: 45 Resp: 234308

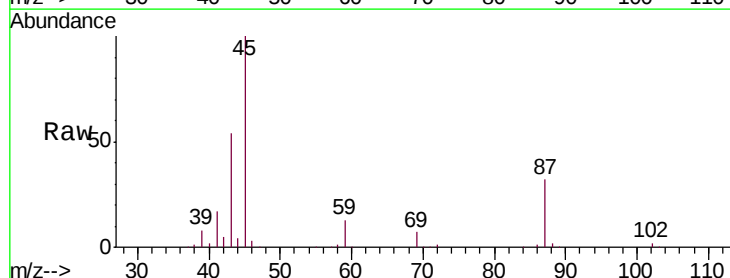
Ion Ratio Lower Upper

45 100

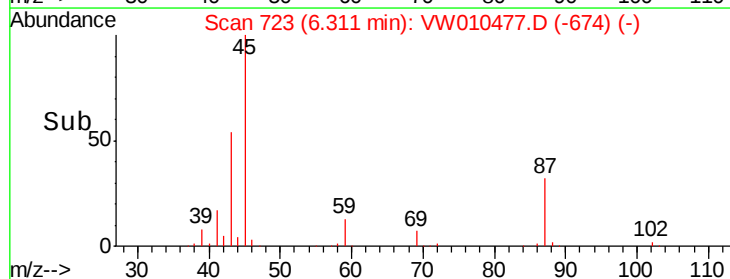
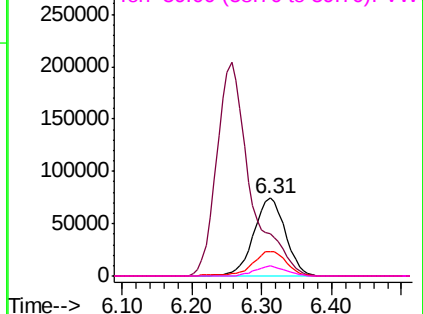
43 53.6 42.9 64.3

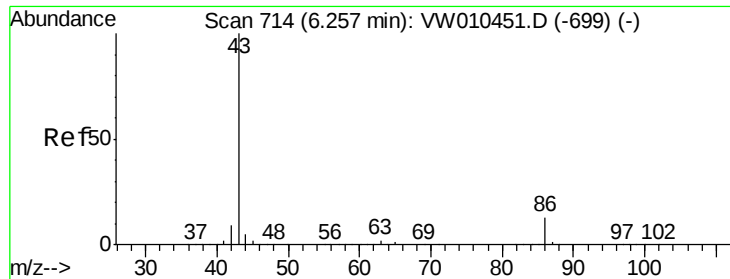
87 32.2 24.6 36.8

59 12.7 9.4 14.0



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





#23

Vinyl Acetate

Concen: 237.125 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

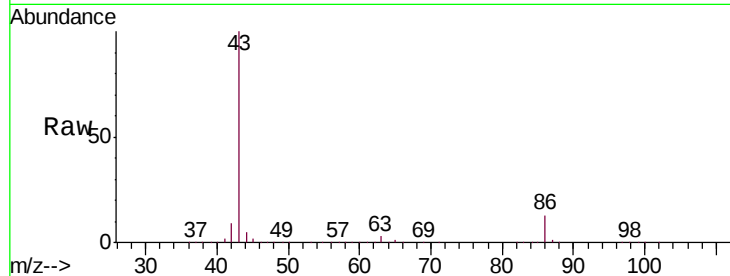
VSTDCCC050

Tgt Ion: 43 Resp: 679970

Ion Ratio Lower Upper

43 100

86 12.7 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

200000

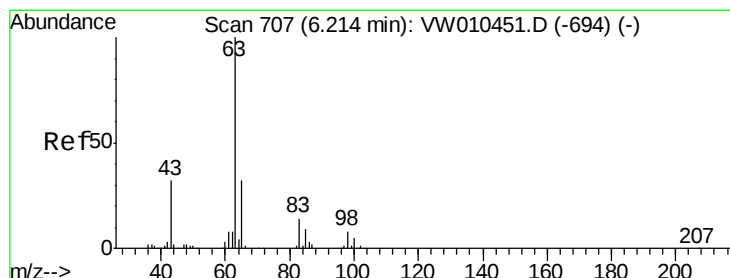
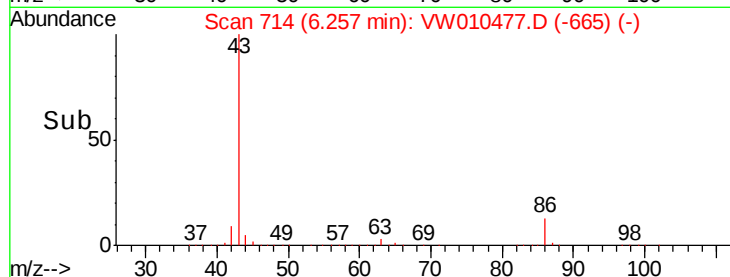
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.696 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

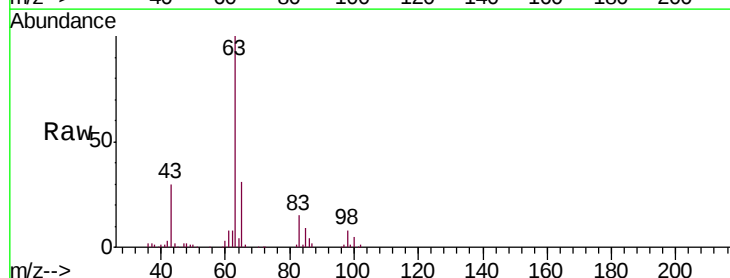
Tgt Ion: 63 Resp: 148096

Ion Ratio Lower Upper

63 100

98 8.0 3.8 11.2

100 4.8 2.5 7.4



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

60000

50000

40000

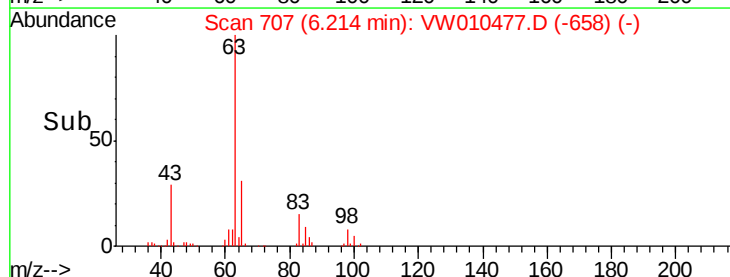
30000

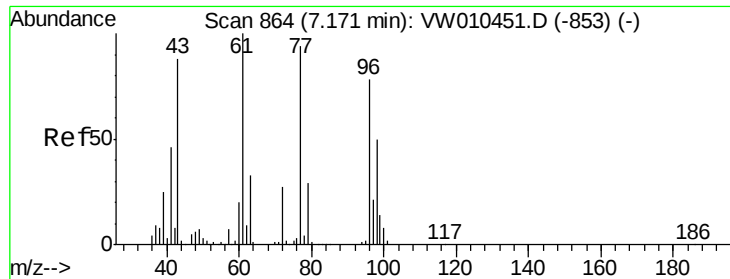
20000

10000

0

Time-->





#25

2-Butanone

Concen: 212.814 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

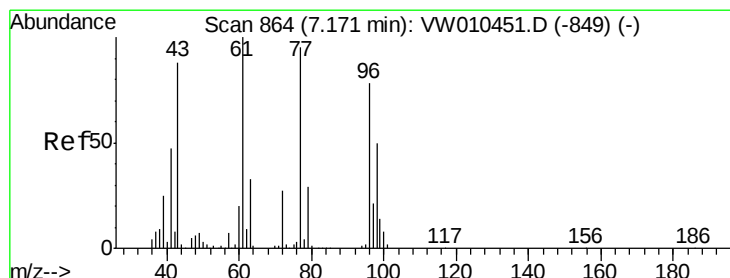
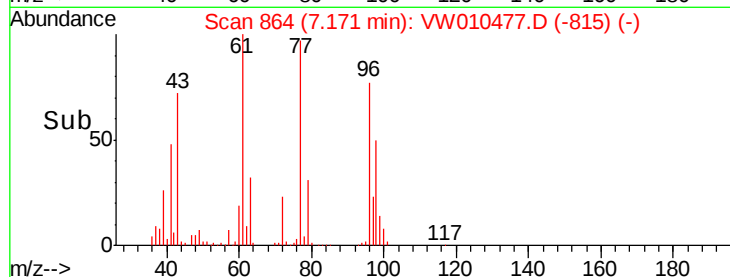
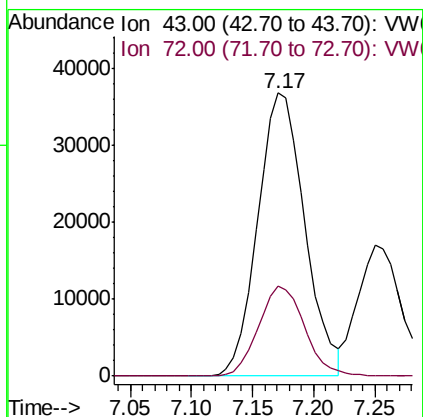
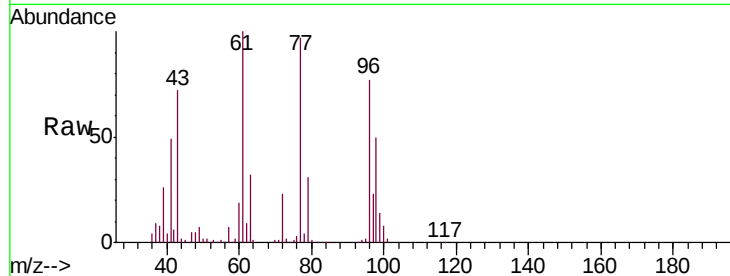
VSTDCCC050

Tgt Ion: 43 Resp: 98255

Ion Ratio Lower Upper

43 100

72 32.0 24.1 36.1



#26

2,2-Dichloropropane

Concen: 53.564 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010477.D

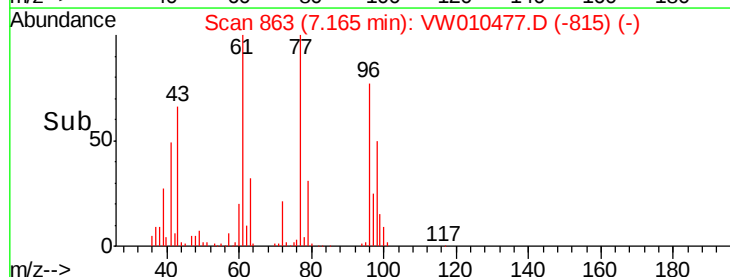
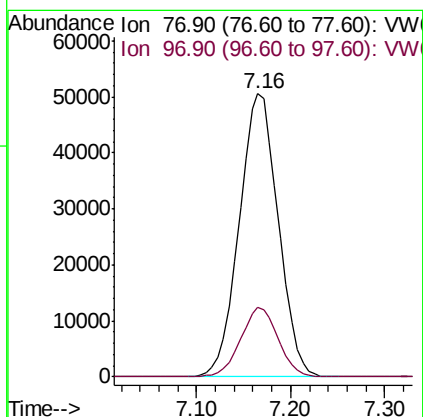
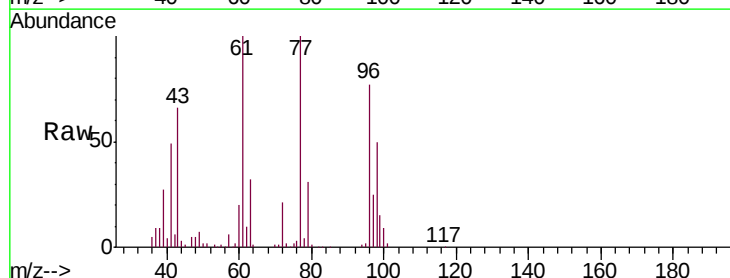
Acq: 21 May 2019 10:18

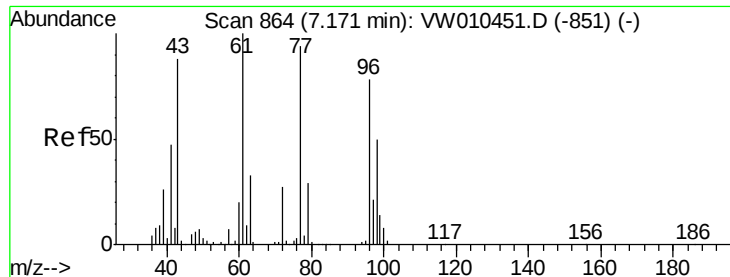
Tgt Ion: 77 Resp: 146165

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0



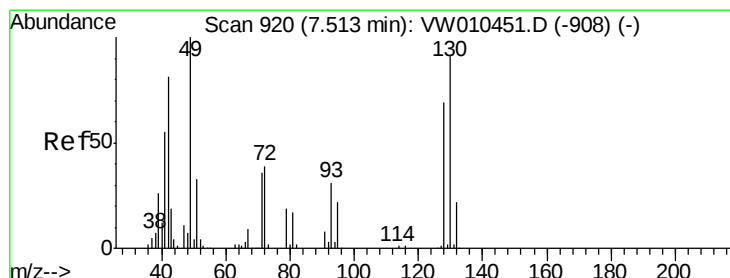
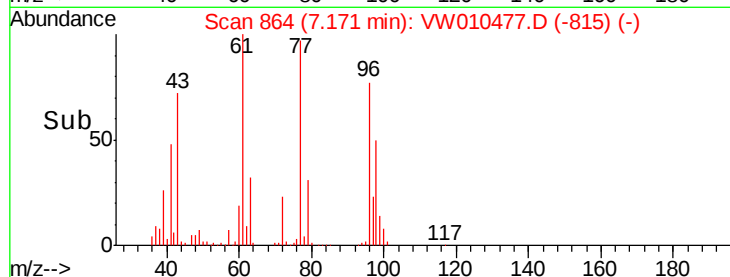
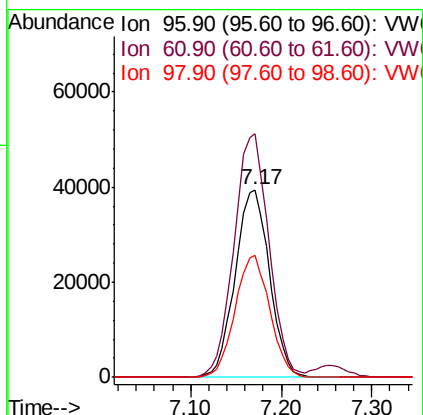
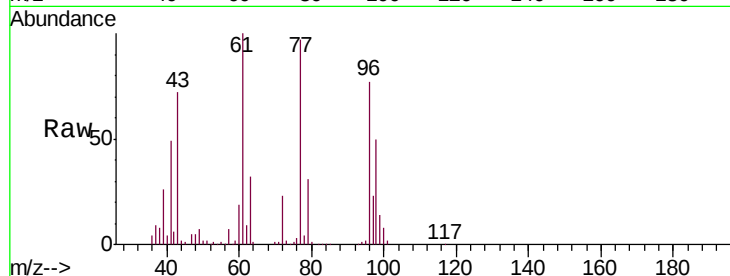


#27

cis-1,2-Dichloroethene
Concen: 51.352 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

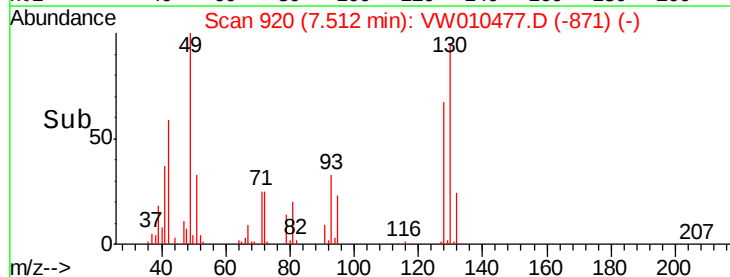
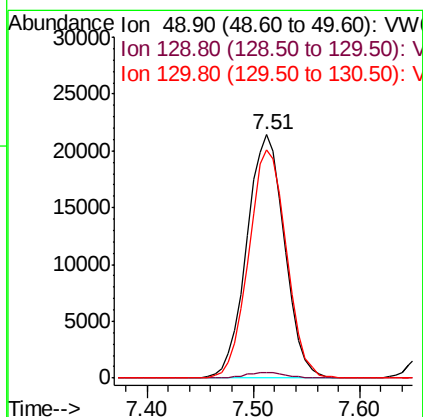
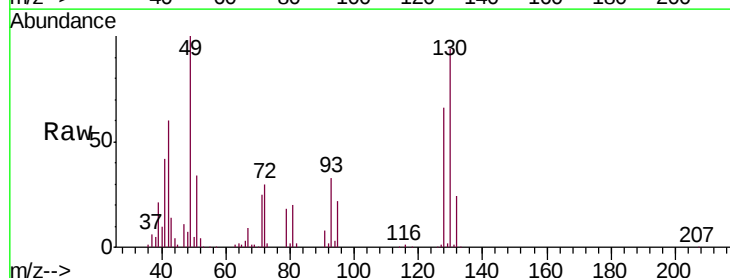
Tgt Ion: 96 Resp: 103573
Ion Ratio Lower Upper
96 100
61 132.6 0.0 265.4
98 65.4 0.0 129.4

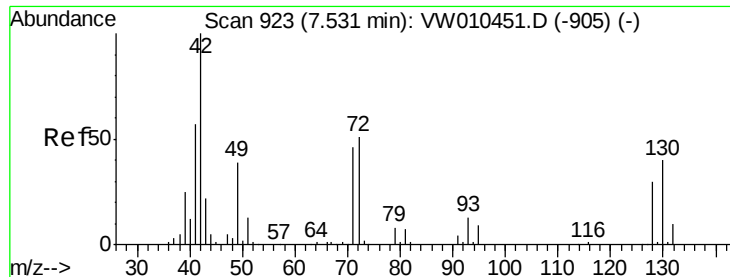


#28

Bromochloromethane
Concen: 52.048 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion: 49 Resp: 53384
Ion Ratio Lower Upper
49 100
129 2.4 0.0 4.8
130 93.5 71.2 106.8

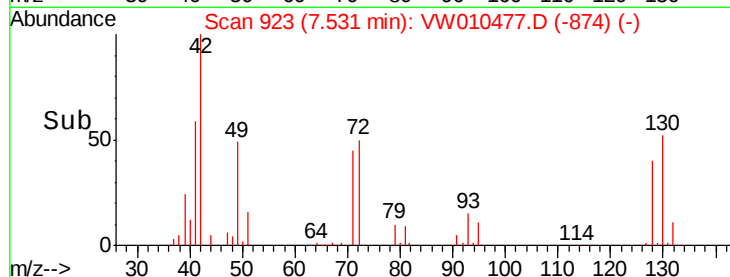
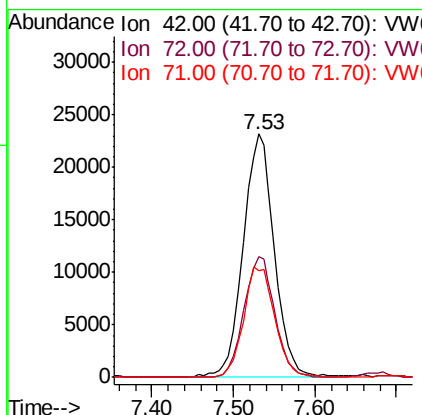
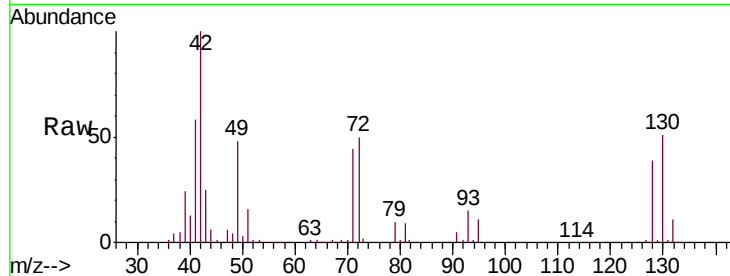




#29
Tetrahydrofuran
Concen: 196.762 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

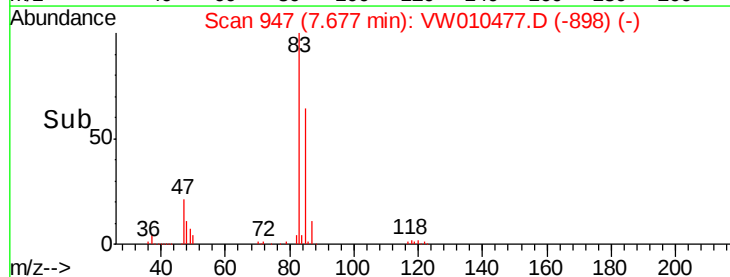
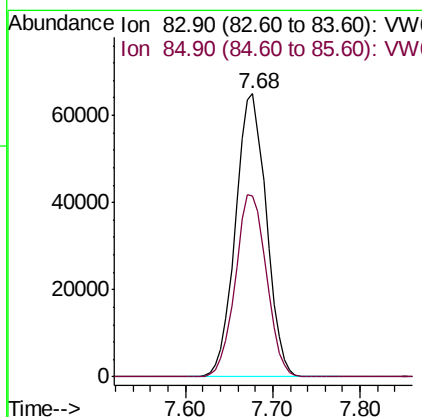
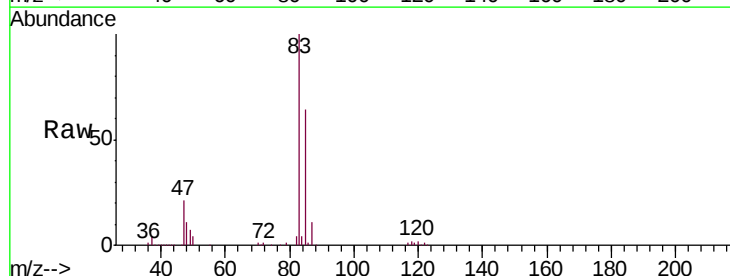
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

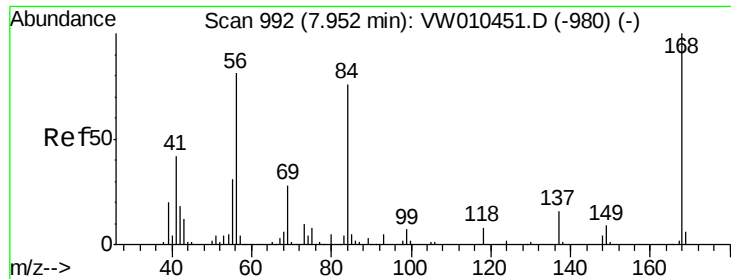
Tgt Ion: 42 Resp: 61472
Ion Ratio Lower Upper
42 100
72 48.8 38.5 57.7
71 45.8 36.5 54.7



#30
Chloroform
Concen: 51.481 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion: 83 Resp: 159077
Ion Ratio Lower Upper
83 100
85 64.1 52.2 78.4

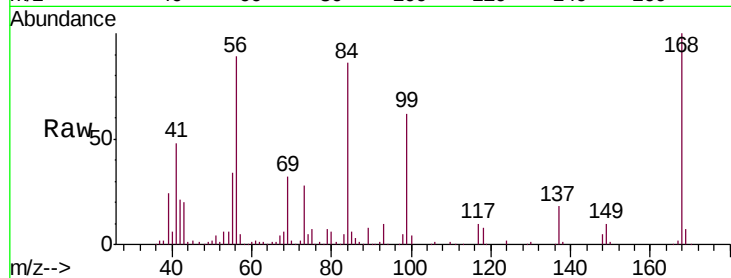




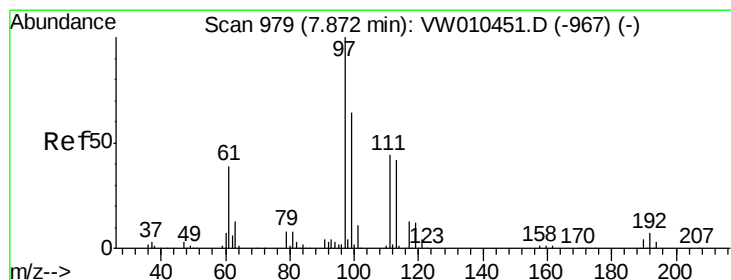
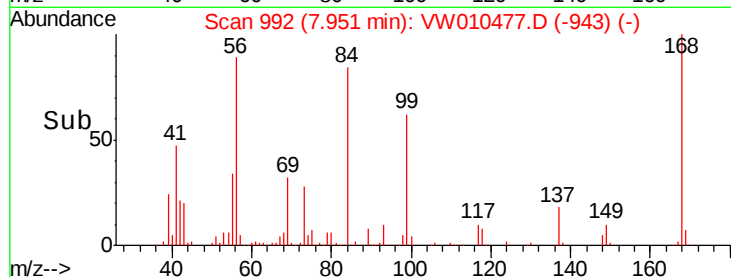
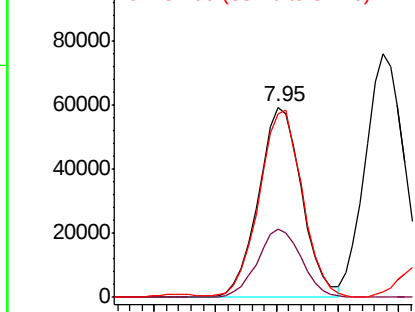
#31
Cyclohexane
Concen: 48.704 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 146151
Ion Ratio Lower Upper
56 100
69 35.6 28.2 42.2
84 94.4 75.8 113.8

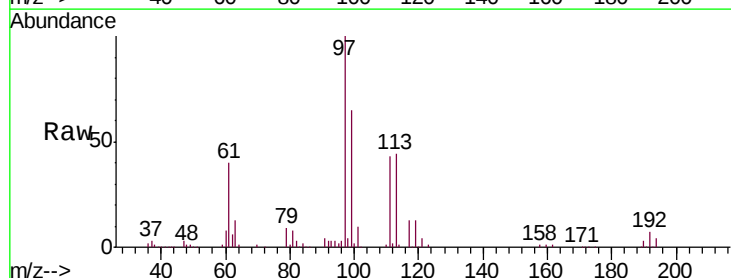


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

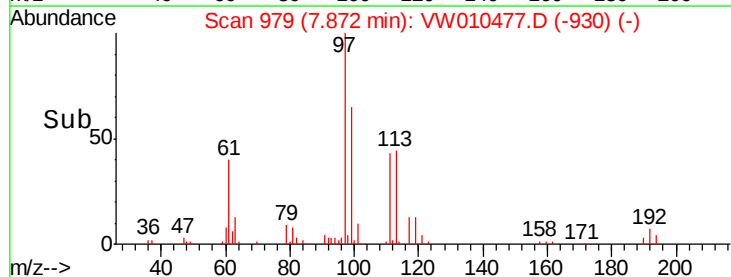
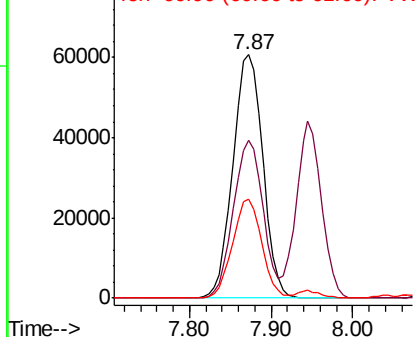


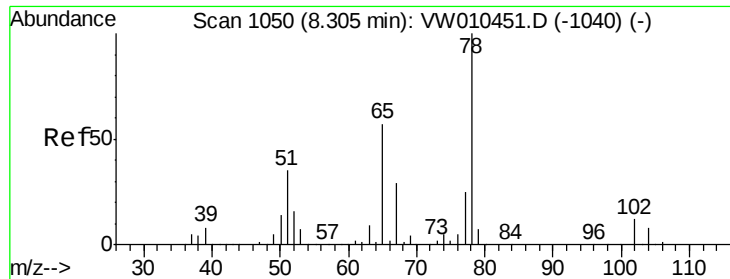
#32
1,1,1-Trichloroethane
Concen: 52.138 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion: 97 Resp: 153984
Ion Ratio Lower Upper
97 100
99 64.4 50.8 76.2
61 39.6 32.1 48.1



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 48.808 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

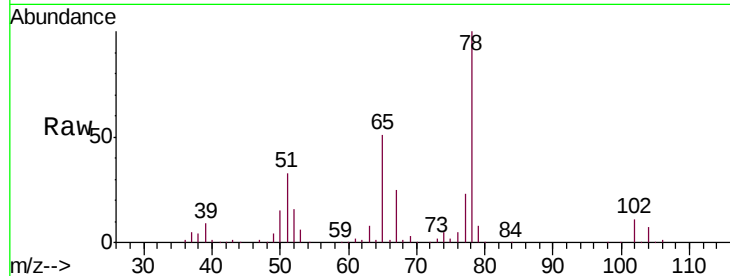
VSTDCCC050

Tgt Ion: 65 Resp: 77142

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

40000

30000

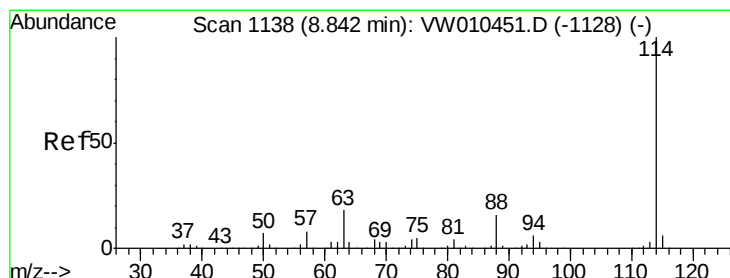
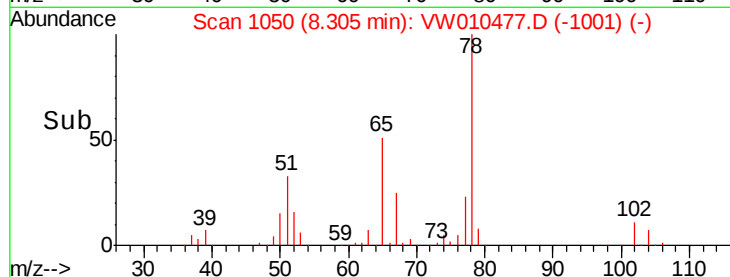
20000

10000

0

8.20 8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

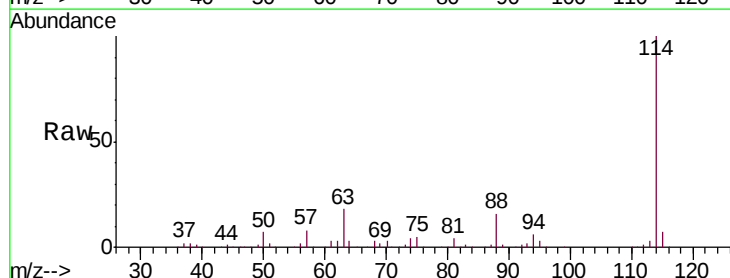
Tgt Ion: 114 Resp: 266263

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.0

88 16.1 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

150000

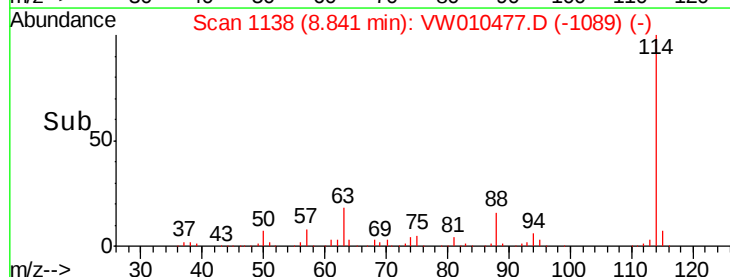
100000

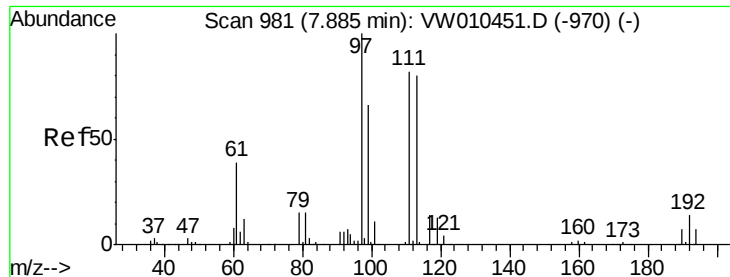
50000

0

8.80 8.90

Time-->

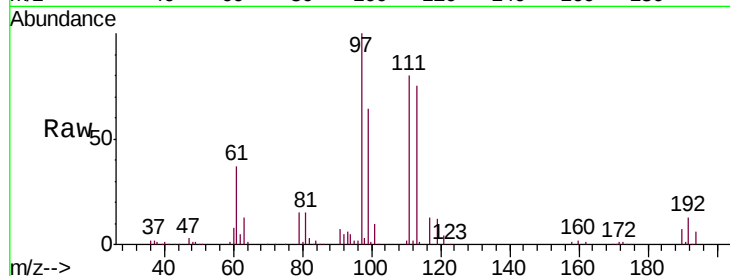




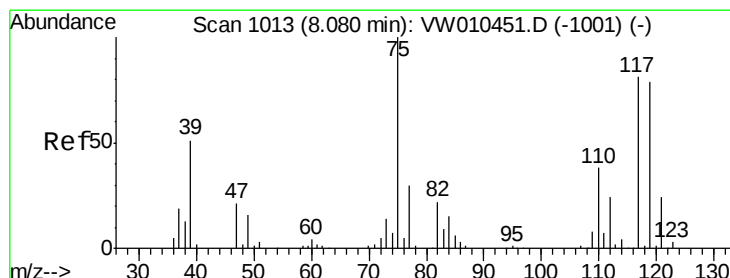
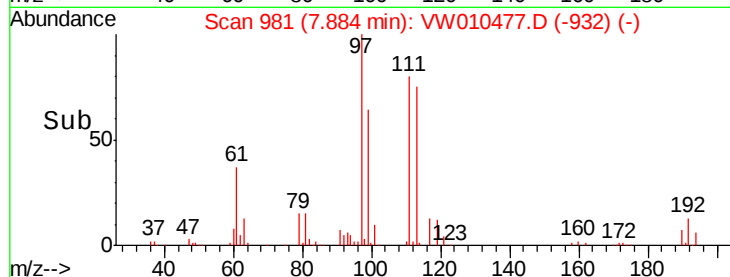
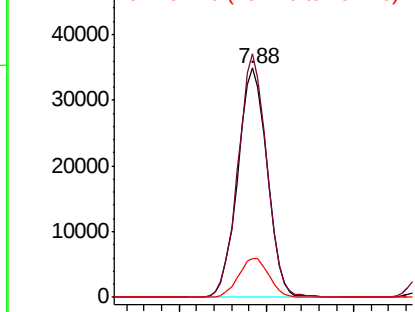
#35
 Dibromofluoromethane
 Concen: 50.549 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 113 Resp: 81668
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.2 123.4
 192 17.4 14.3 21.5

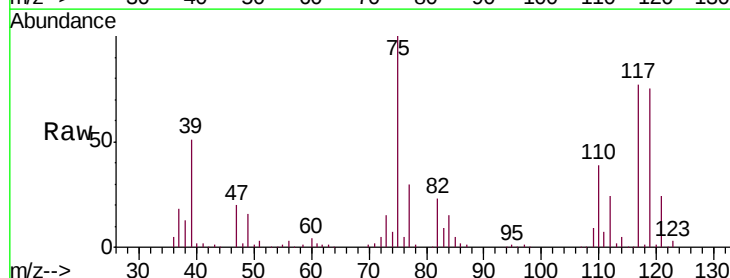


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

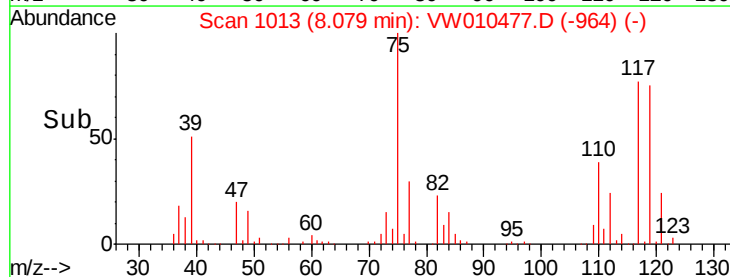
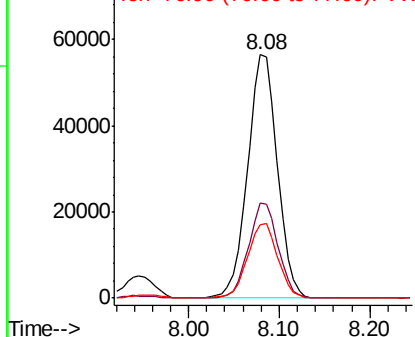


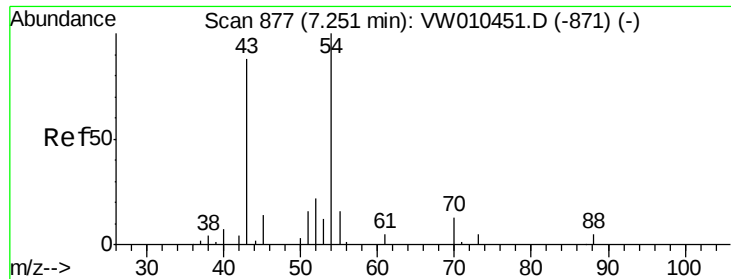
#36
 1,1-Dichloropropene
 Concen: 51.701 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Tgt Ion: 75 Resp: 128239
 Ion Ratio Lower Upper
 75 100
 110 38.6 19.2 57.6
 77 31.1 25.2 37.8



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

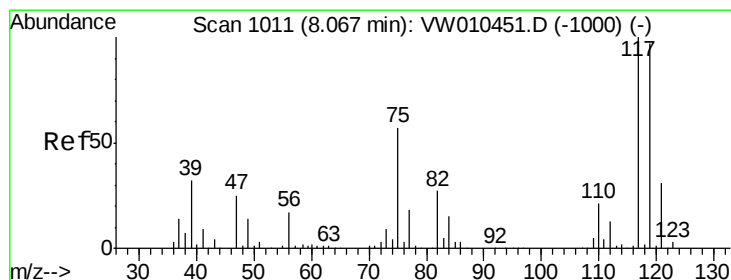
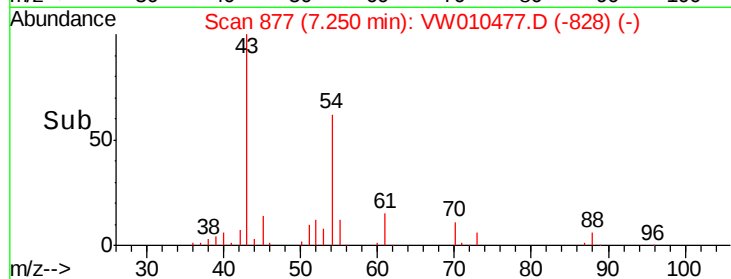
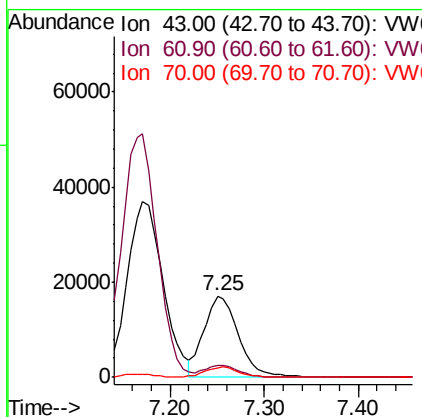
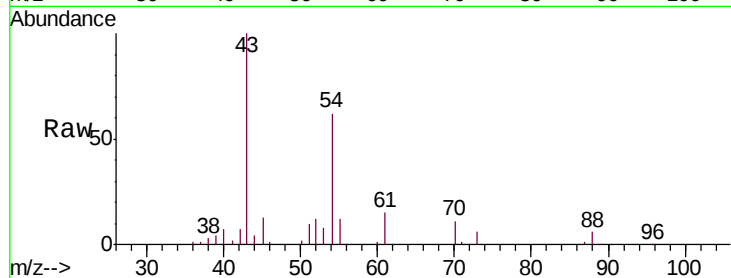




#37
Ethyl Acetate
Concen: 40.918 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

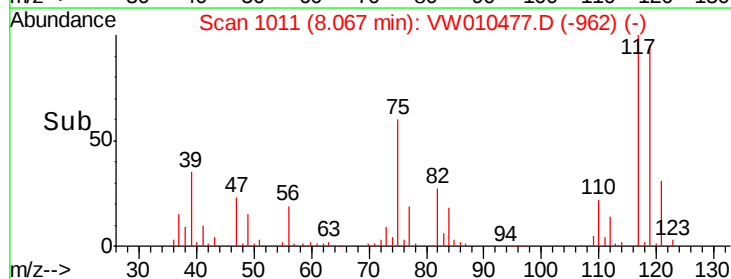
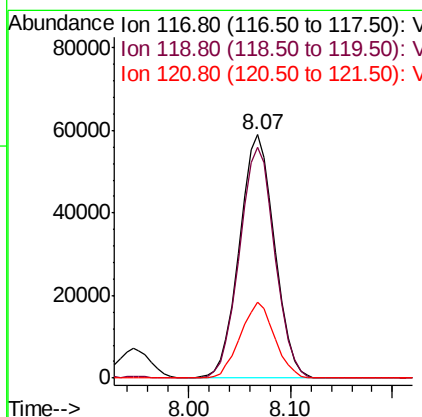
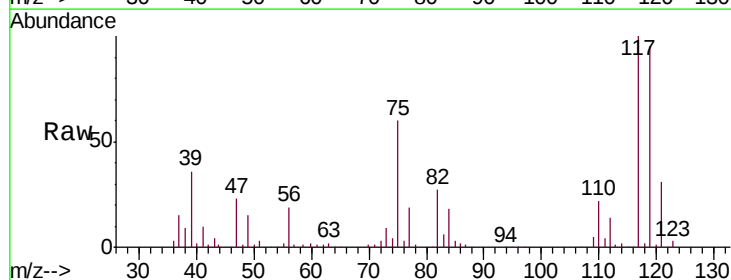
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

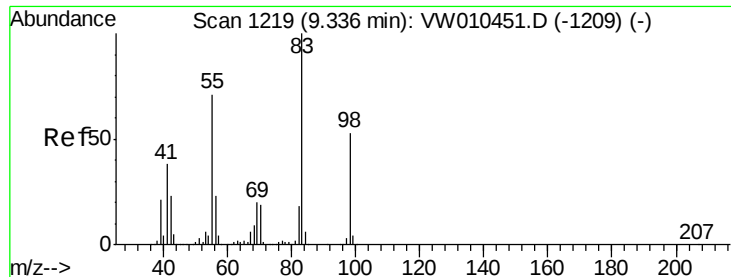
Tgt Ion: 43 Resp: 43159
Ion Ratio Lower Upper
43 100
61 14.9 11.2 16.8
70 12.6 9.9 14.9



#38
Carbon Tetrachloride
Concen: 52.689 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion: 117 Resp: 140978
Ion Ratio Lower Upper
117 100
119 94.6 77.4 116.0
121 31.0 25.0 37.6

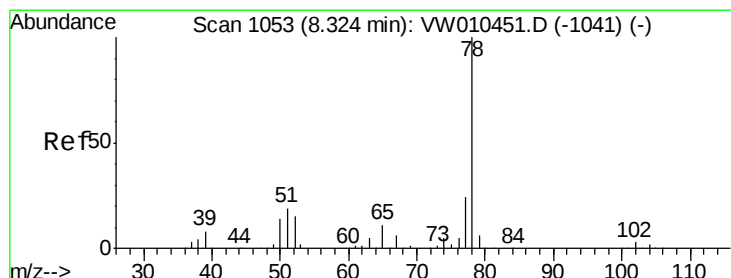
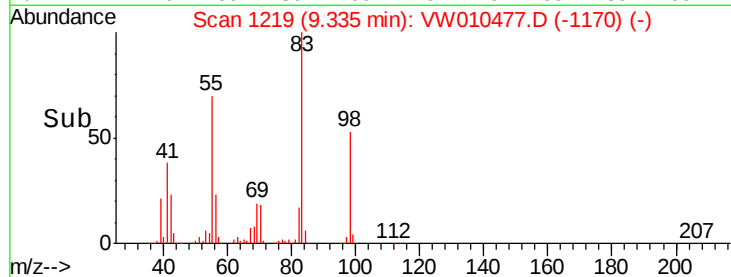
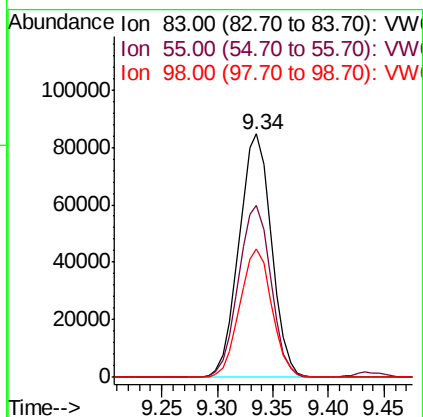
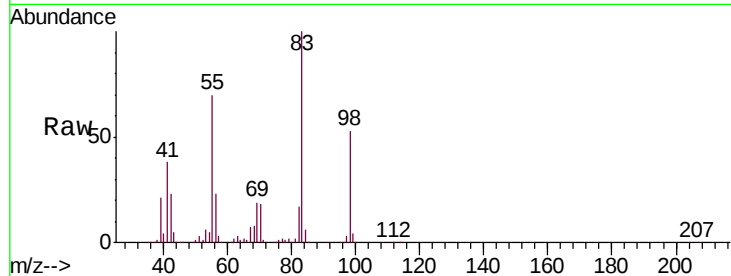




#39
Methylcyclohexane
Concen: 51.610 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

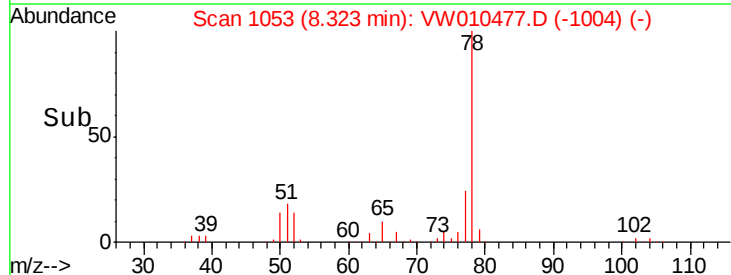
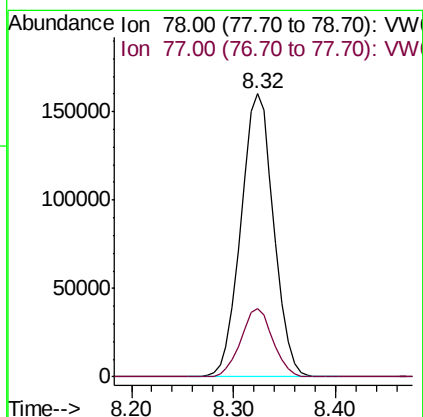
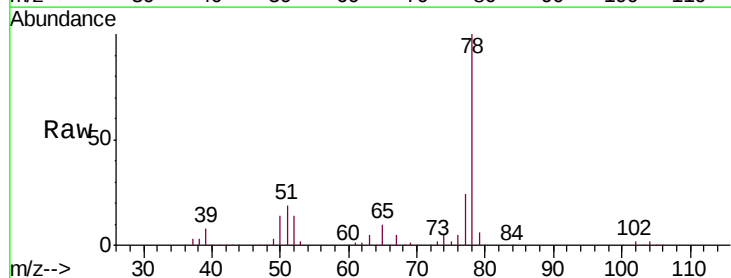
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

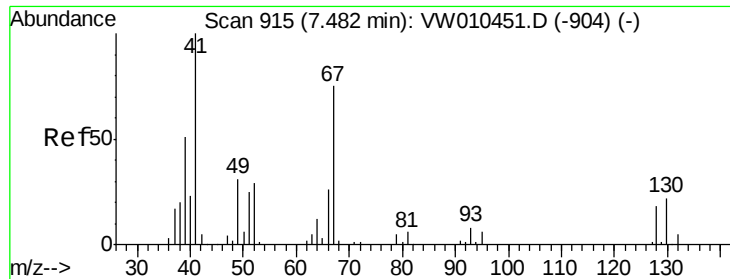
Tgt Ion: 83 Resp: 171504
Ion Ratio Lower Upper
83 100
55 70.4 57.0 85.6
98 52.5 42.0 63.0



#40
Benzene
Concen: 51.748 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion: 78 Resp: 356757
Ion Ratio Lower Upper
78 100
77 24.0 18.9 28.3





#41

Methacrylonitrile

Concen: 44.822 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 28091

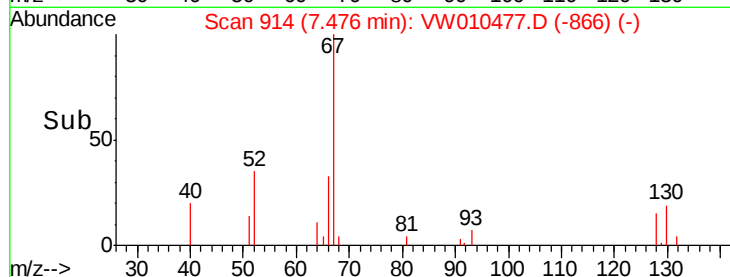
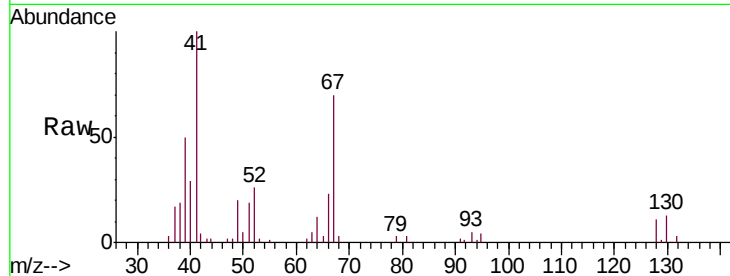
Ion Ratio Lower Upper

41 100

39 53.1 47.4 71.2

67 74.6 65.5 98.3

52 28.6 25.0 37.4

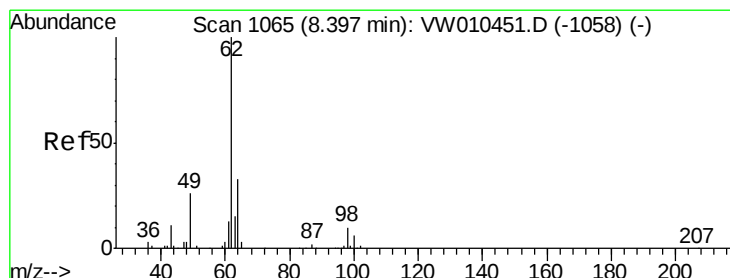
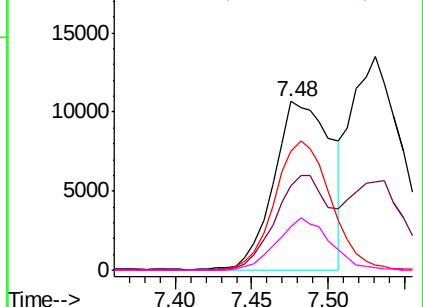


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 48.949 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW010477.D

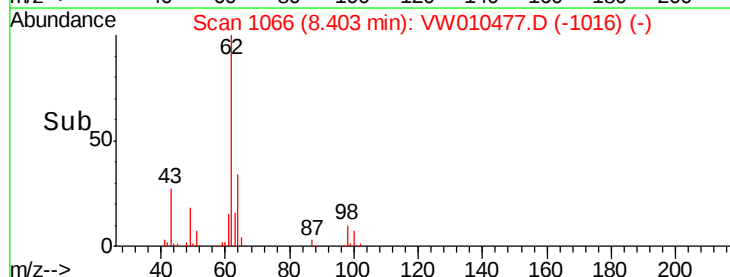
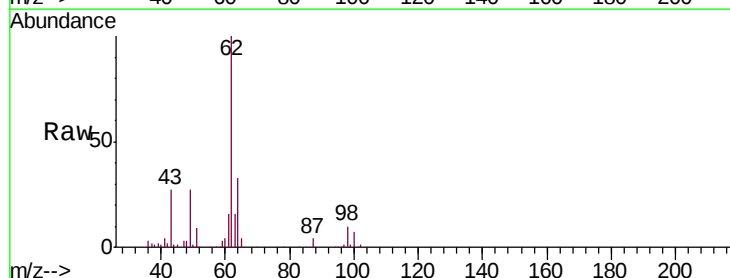
Acq: 21 May 2019 10:18

Tgt Ion: 62 Resp: 96448

Ion Ratio Lower Upper

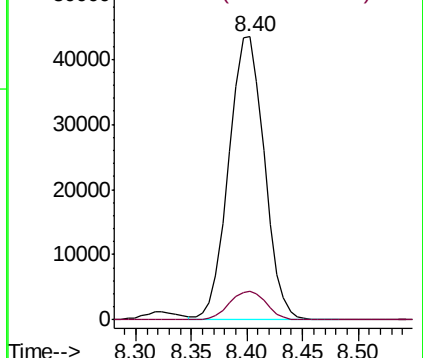
62 100

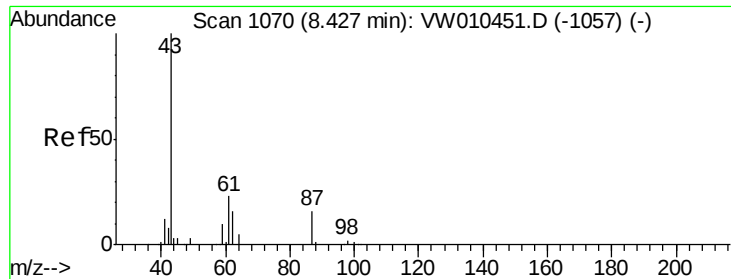
98 10.4 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

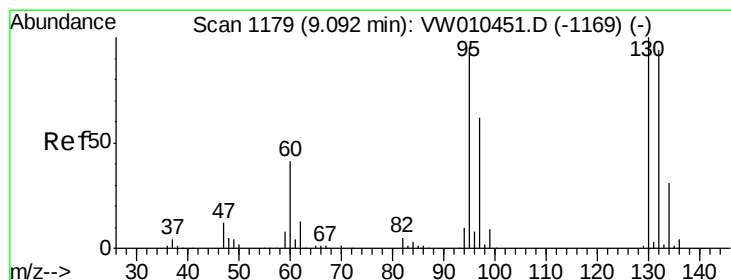
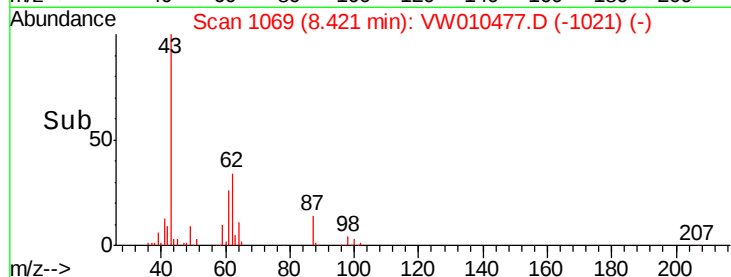
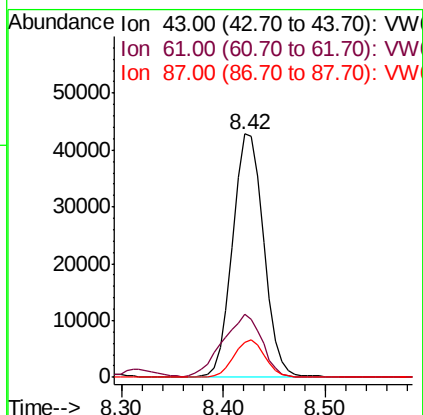
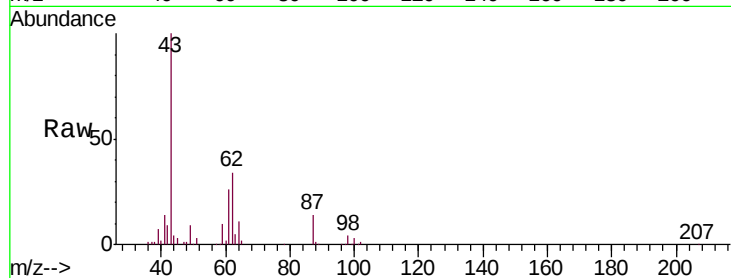




#43
Isopropyl Acetate
Concen: 42.901 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

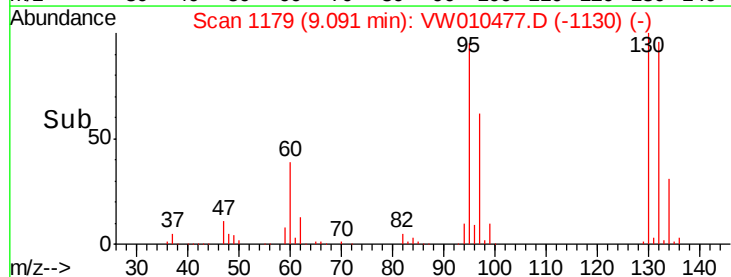
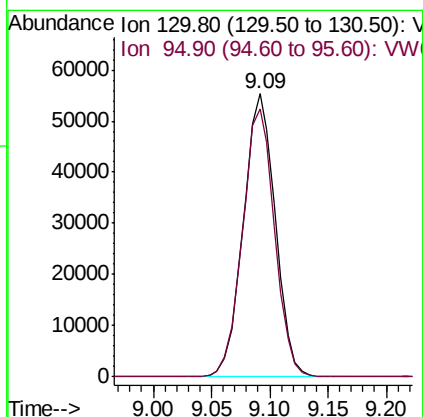
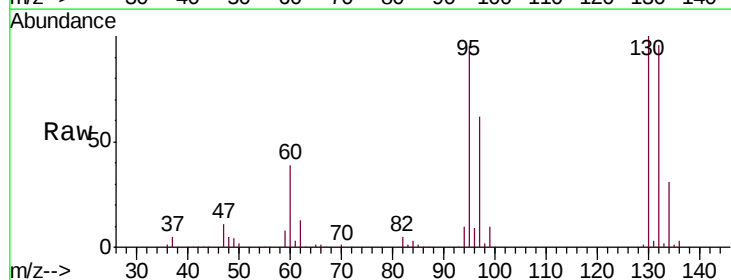
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

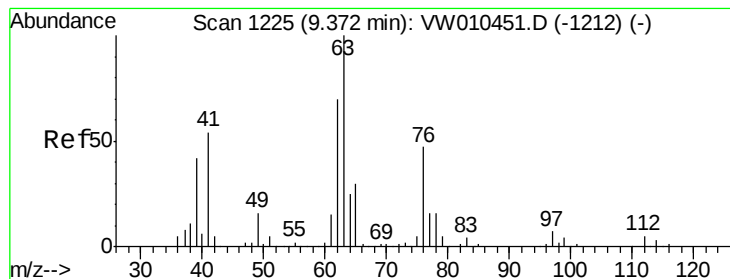
Tgt Ion: 43 Resp: 90401
Ion Ratio Lower Upper
43 100
61 32.9 25.4 38.2
87 15.4 12.7 19.1



#44
Trichloroethene
Concen: 51.811 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion: 130 Resp: 106041
Ion Ratio Lower Upper
130 100
95 94.5 0.0 189.6





#45

1,2-Dichloropropane

Concen: 50.239 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

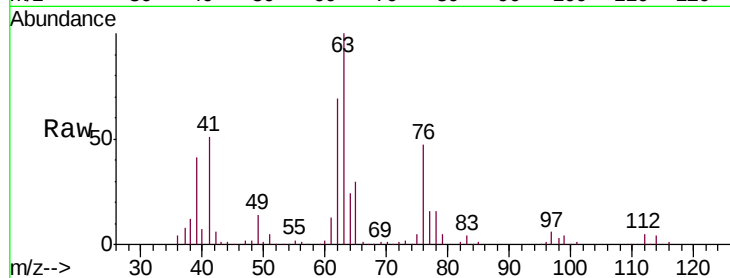
VSTDCCC050

Tgt Ion: 63 Resp: 82258

Ion Ratio Lower Upper

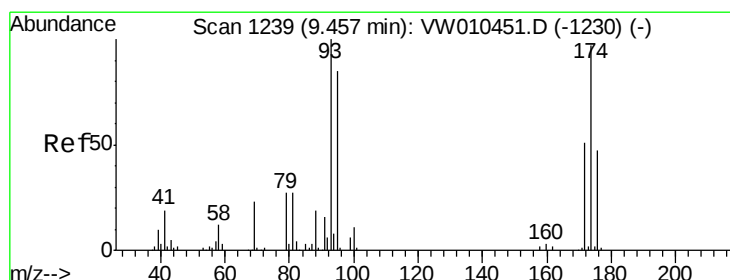
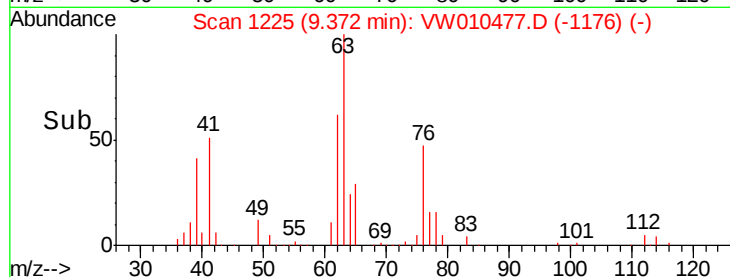
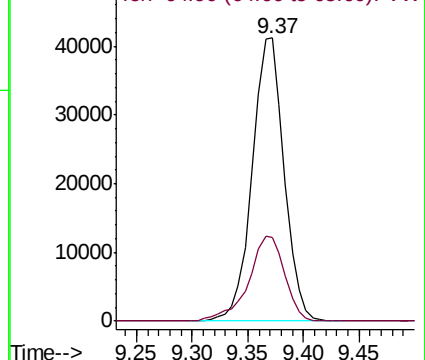
63 100

65 29.7 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 48.682 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

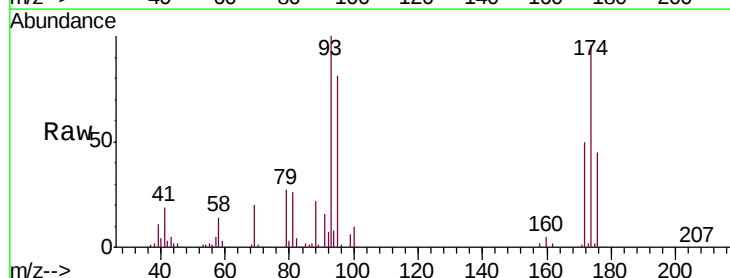
Tgt Ion: 93 Resp: 46615

Ion Ratio Lower Upper

93 100

95 82.0 66.1 99.1

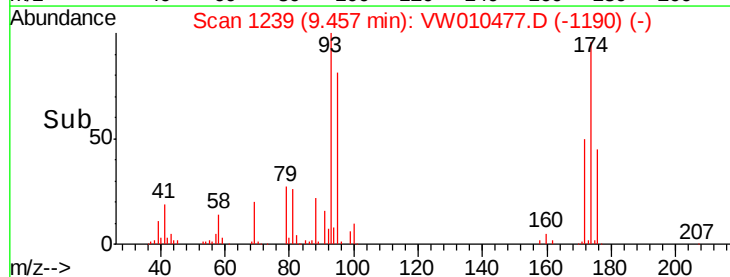
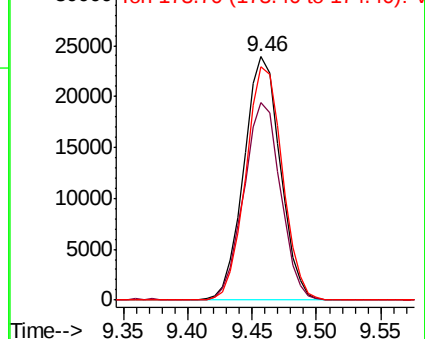
174 96.4 77.1 115.7



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.955 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

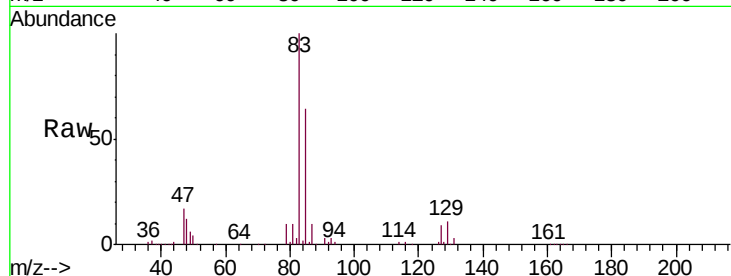
Tgt Ion: 83 Resp: 120205

Ion Ratio Lower Upper

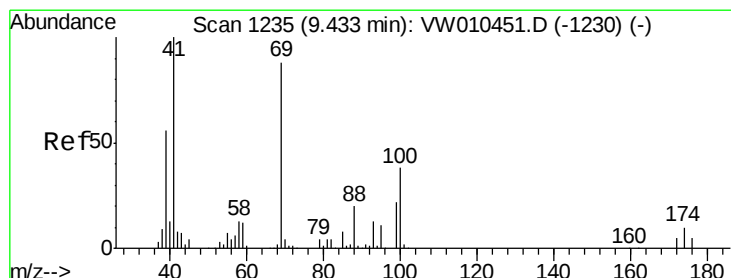
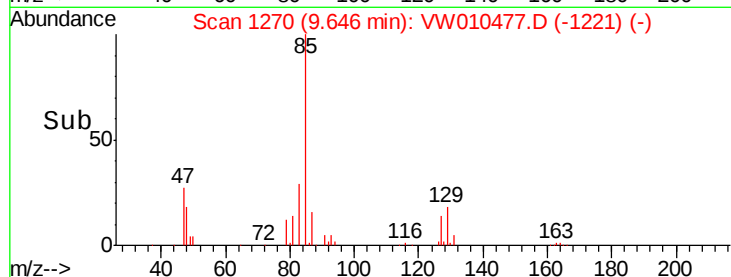
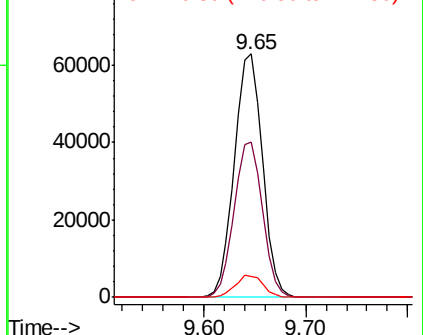
83 100

85 63.7 50.4 75.6

127 8.8 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 43.121 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

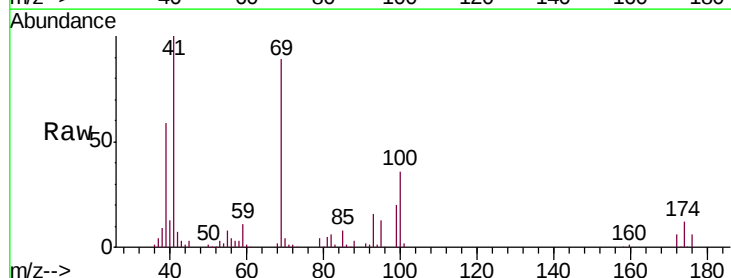
Tgt Ion: 41 Resp: 41570

Ion Ratio Lower Upper

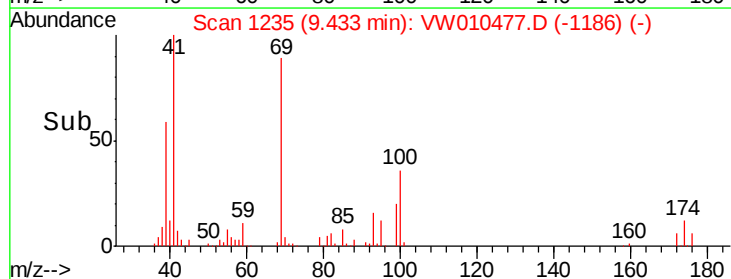
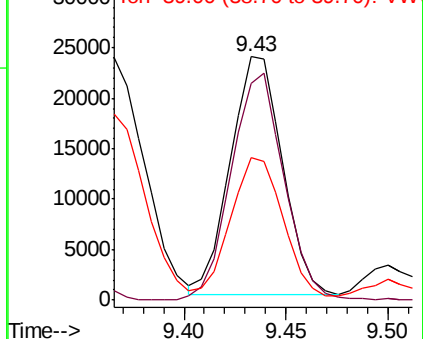
41 100

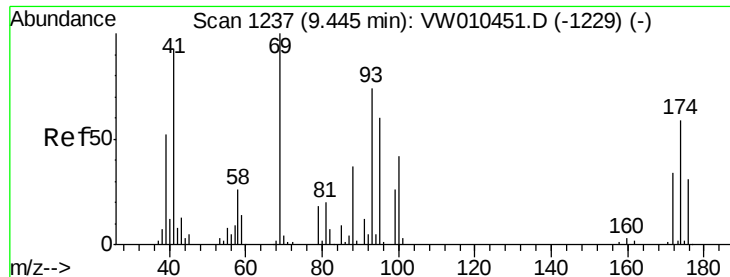
69 98.0 77.6 116.4

39 57.9 49.8 74.8



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





#49

1,4-Dioxane

Concen: 746.450 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

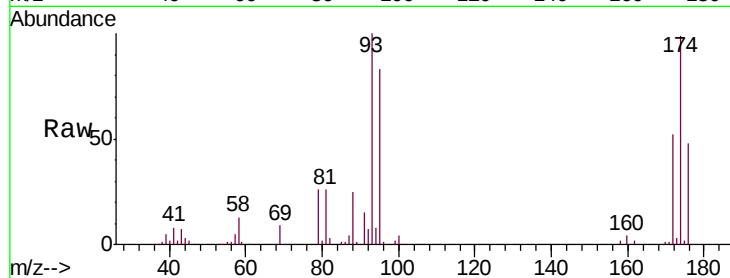
Tgt Ion: 88 Resp: 11676

Ion Ratio Lower Upper

88 100

43 0.0 25.9 38.9#

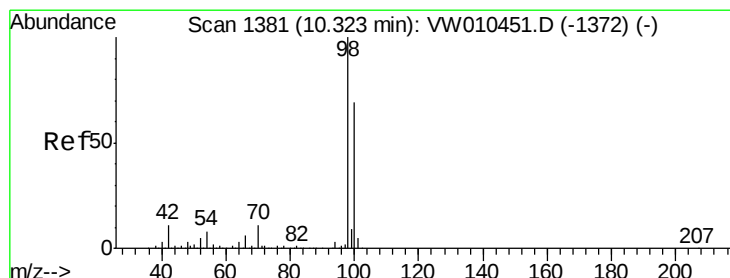
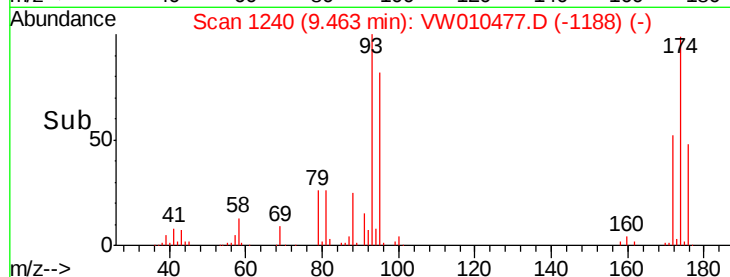
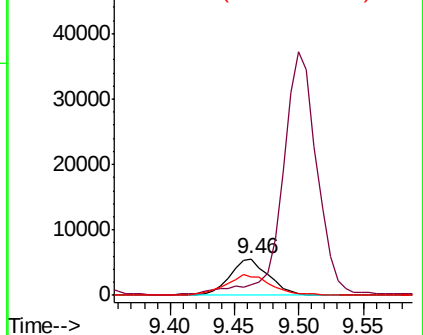
58 65.9 52.7 79.1



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.305 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010477.D

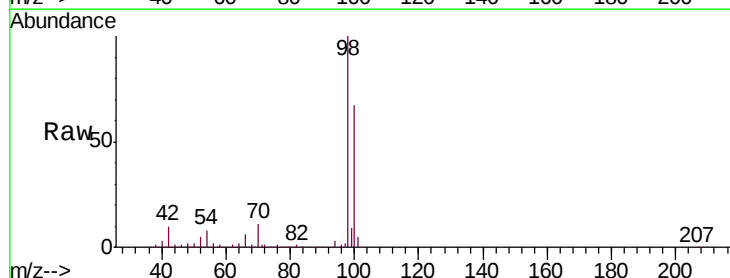
Acq: 21 May 2019 10:18

Tgt Ion: 98 Resp: 316659

Ion Ratio Lower Upper

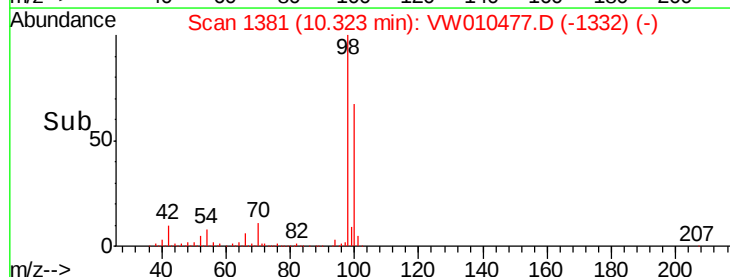
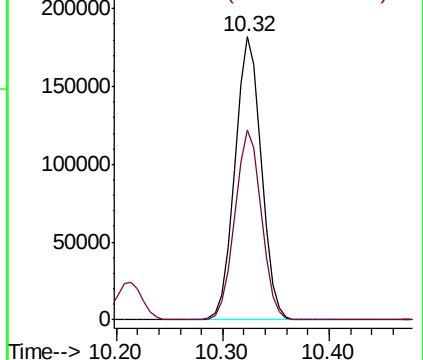
98 100

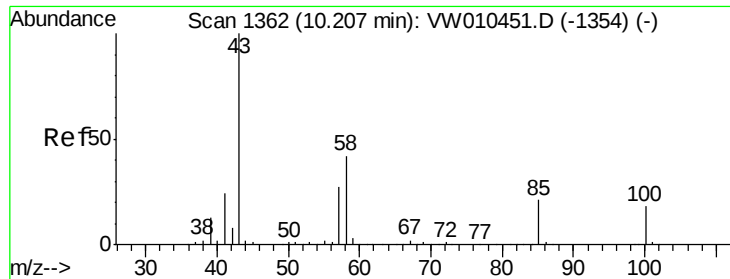
100 67.5 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

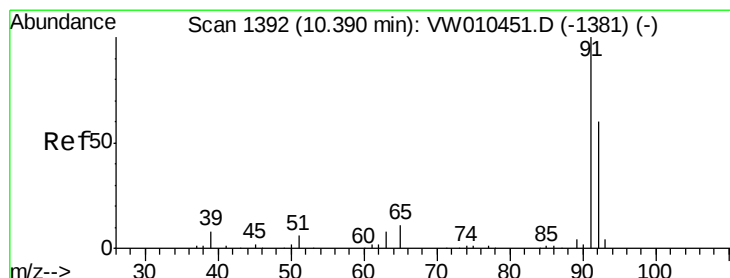
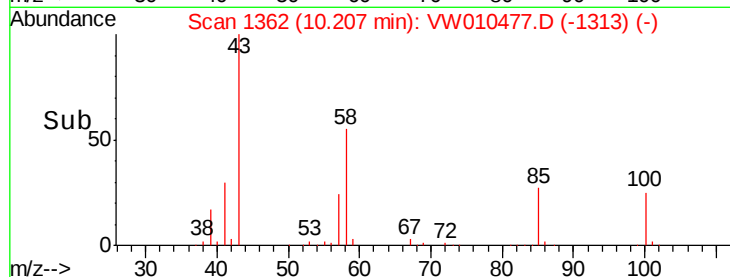
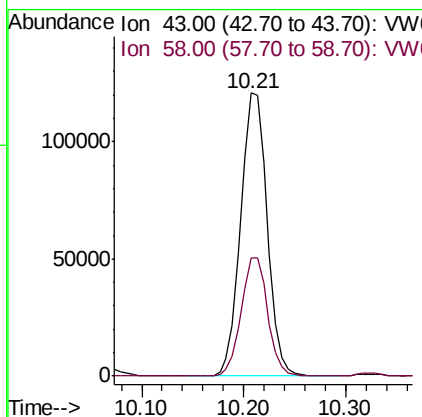
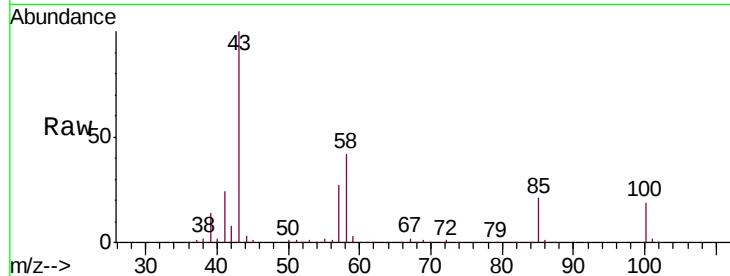




#51
4-Methyl-2-Pentanone
Concen: 204.035 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

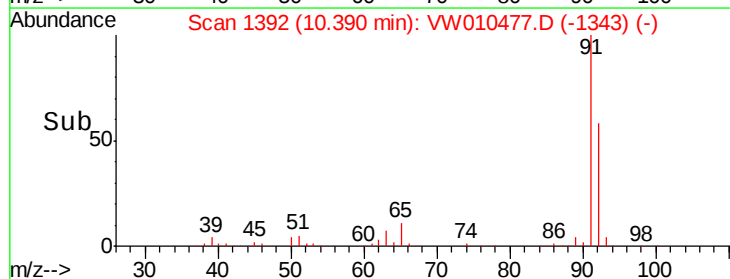
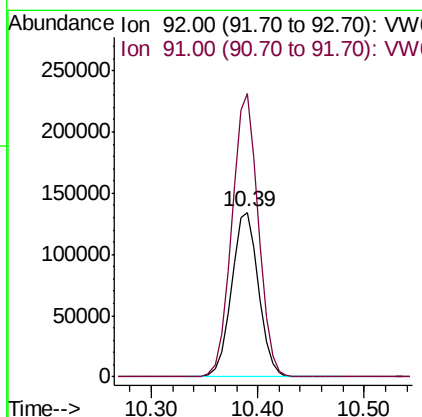
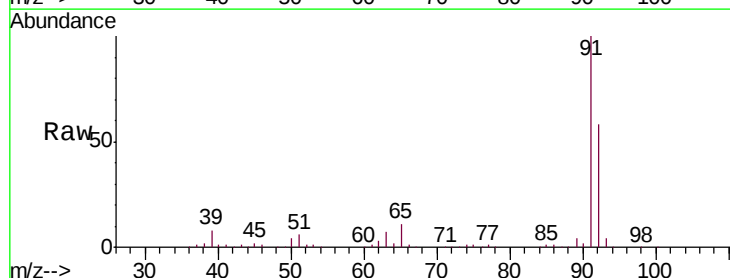
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

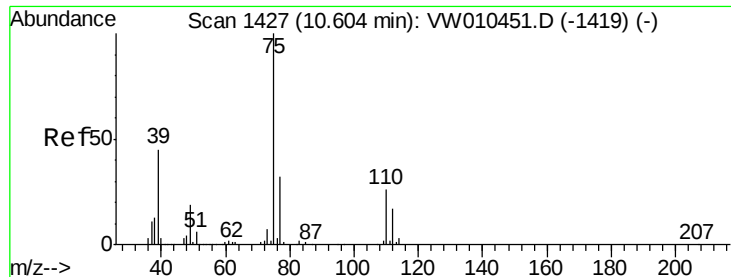
Tgt Ion: 43 Resp: 217862
Ion Ratio Lower Upper
43 100
58 41.9 33.2 49.8



#52
Toluene
Concen: 51.279 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion: 92 Resp: 237416
Ion Ratio Lower Upper
92 100
91 169.2 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 48.706 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

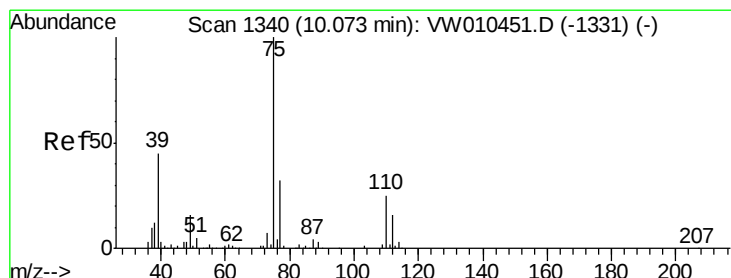
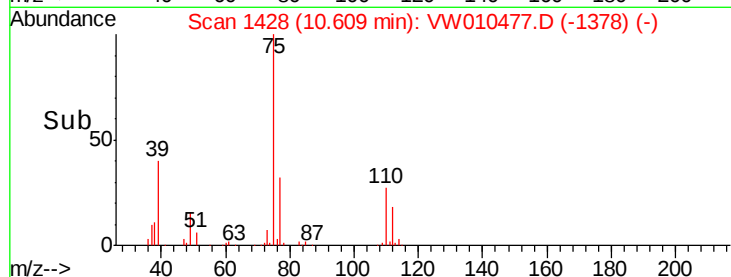
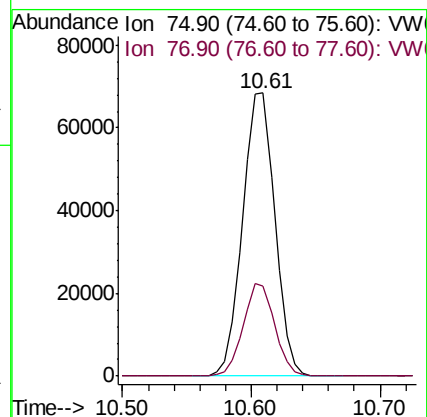
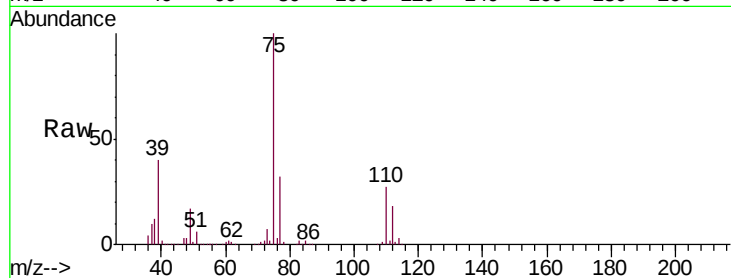
VSTDCCC050

Tgt Ion: 75 Resp: 118699

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 50.864 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

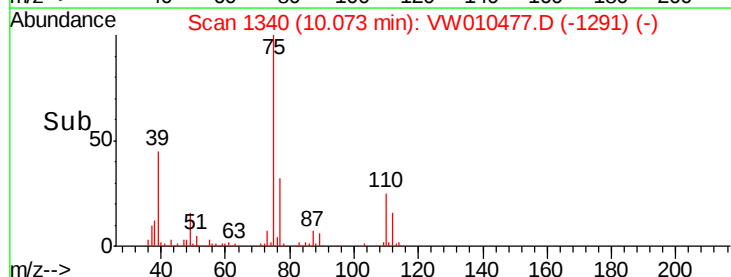
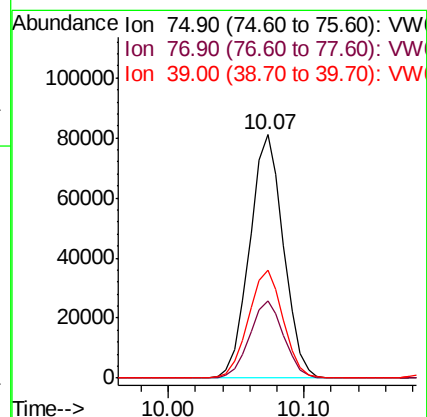
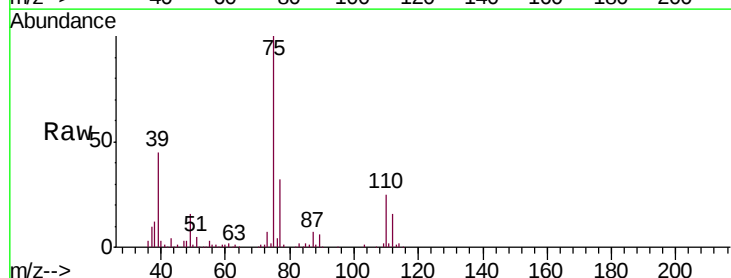
Tgt Ion: 75 Resp: 141565

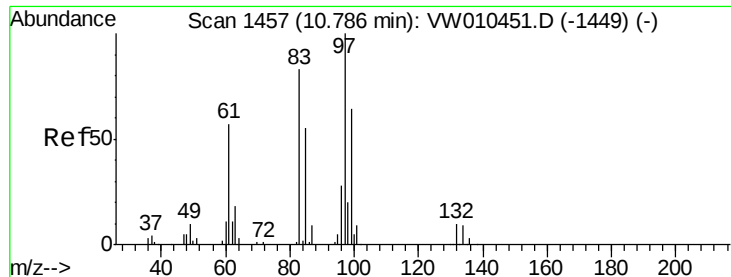
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 44.6 36.2 54.4

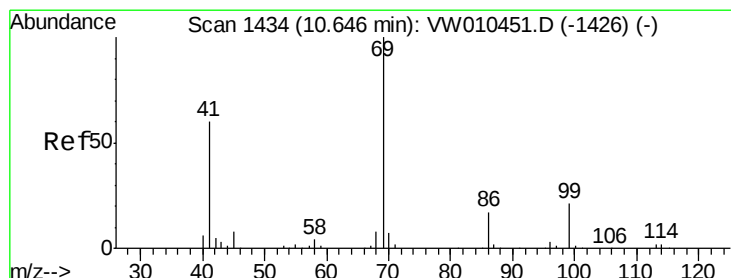
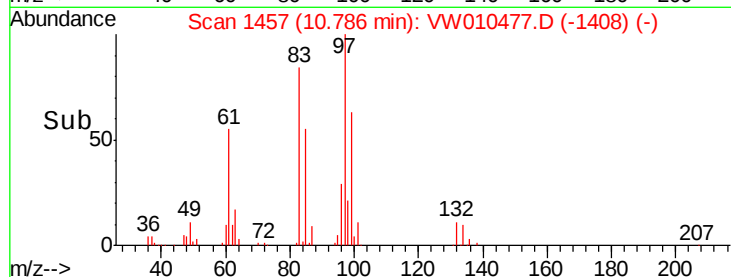
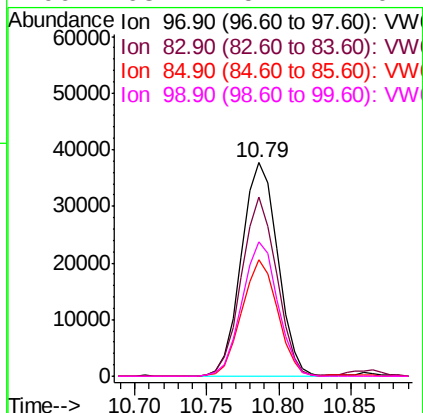
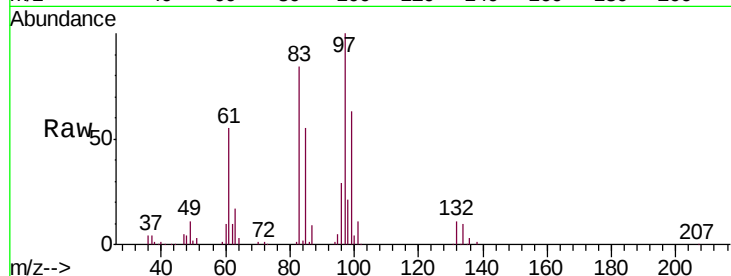




#55
 1,1,2-Trichloroethane
 Concen: 47.954 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

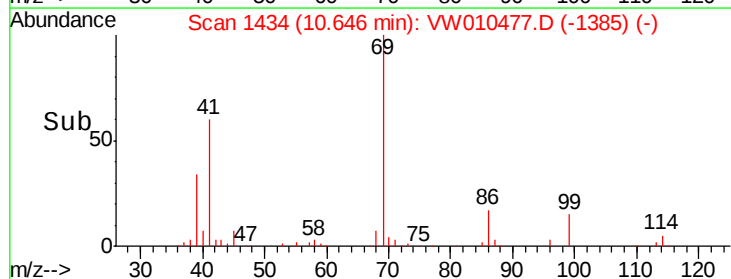
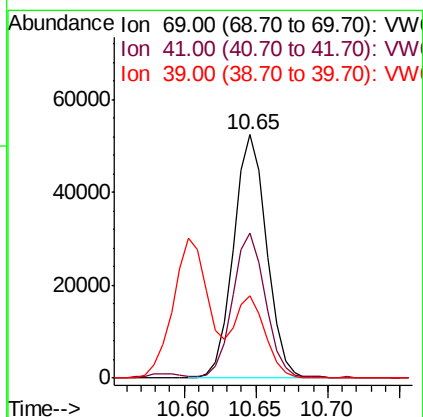
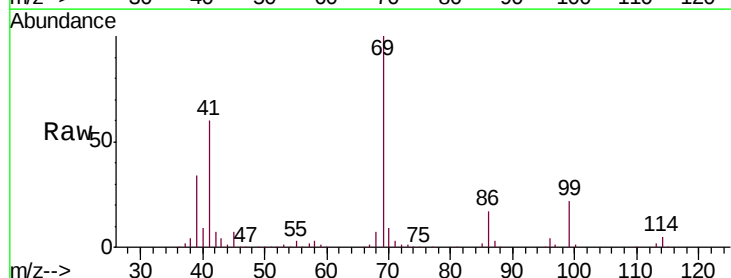
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

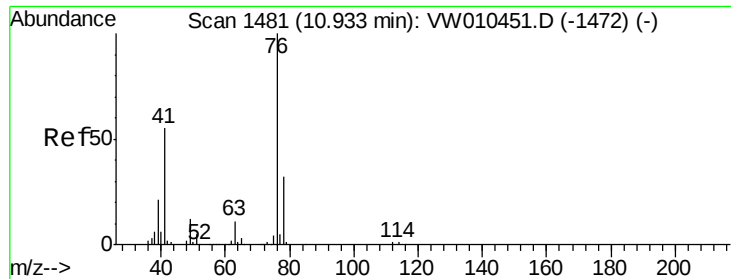
Tgt Ion:	97	Resp:	66030
Ion	Ratio	Lower	Upper
97	100		
83	84.1	66.1	99.1
85	54.8	44.2	66.4
99	63.2	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 44.068 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Tgt Ion:	69	Resp:	83688
Ion	Ratio	Lower	Upper
69	100		
41	59.1	47.7	71.5
39	31.5	25.3	37.9

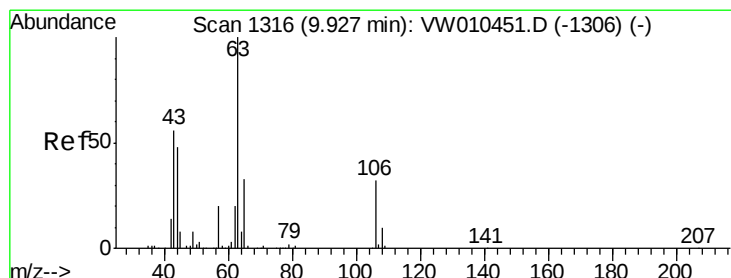
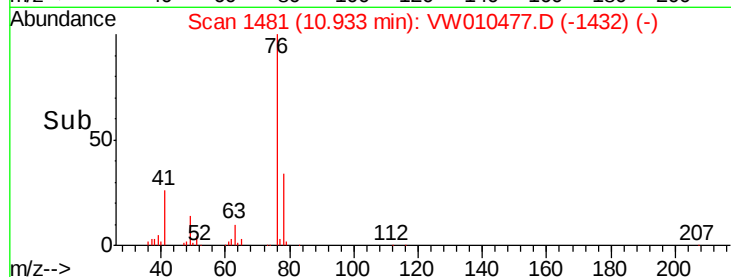
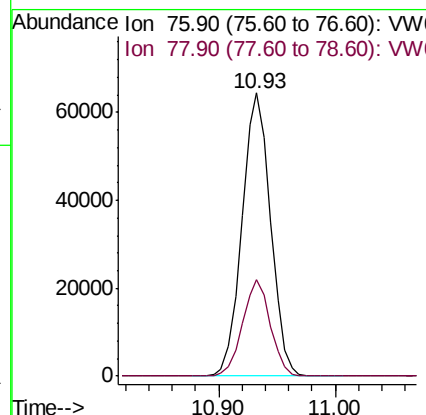
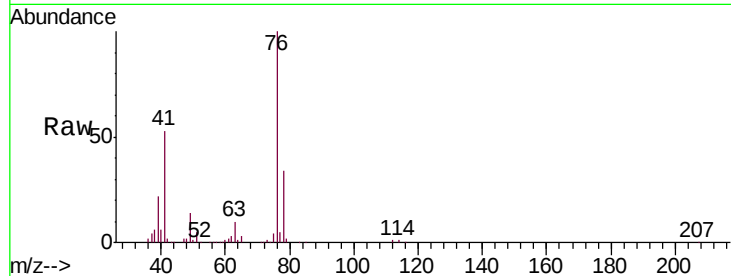




#57
 1,3-Dichloropropane
 Concen: 47.618 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

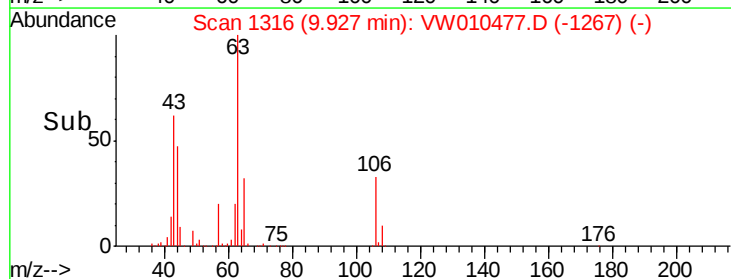
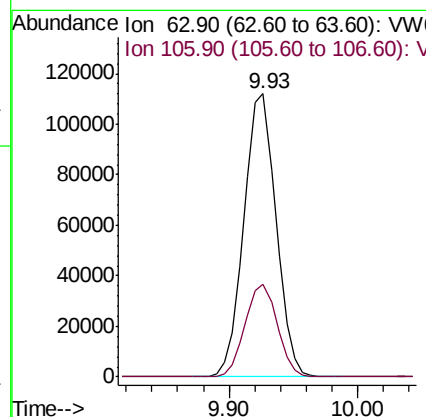
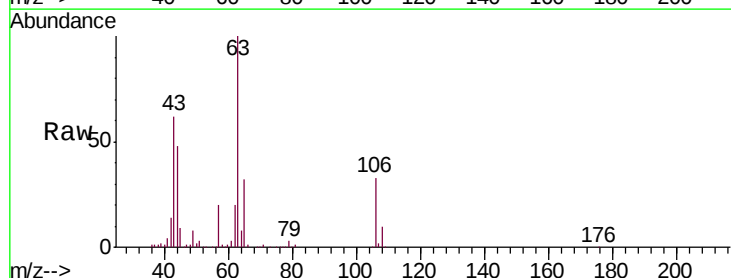
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

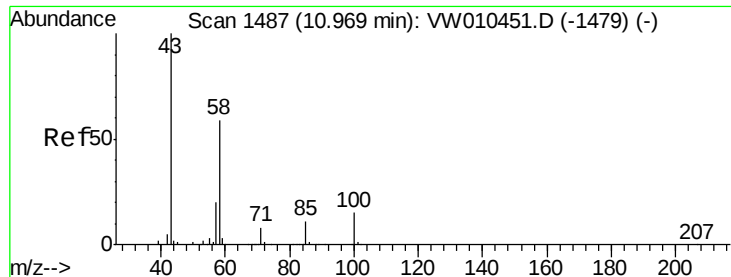
Tgt Ion: 76 Resp: 109831
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 229.761 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Tgt Ion: 63 Resp: 193262
 Ion Ratio Lower Upper
 63 100
 106 33.0 25.8 38.6

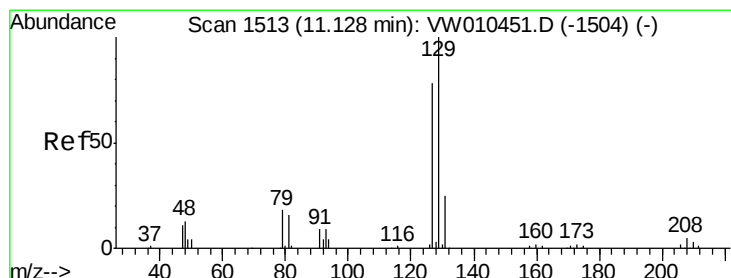
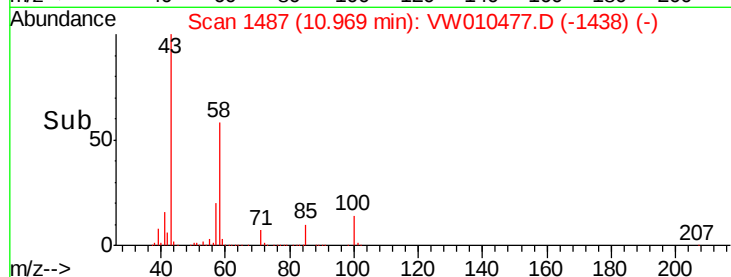
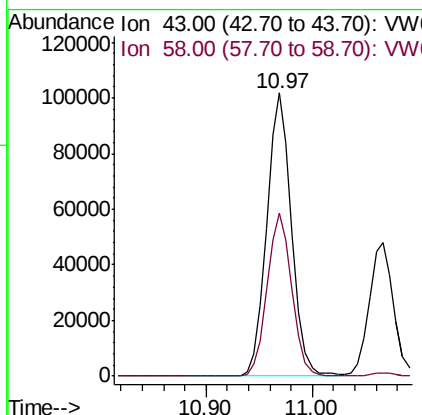
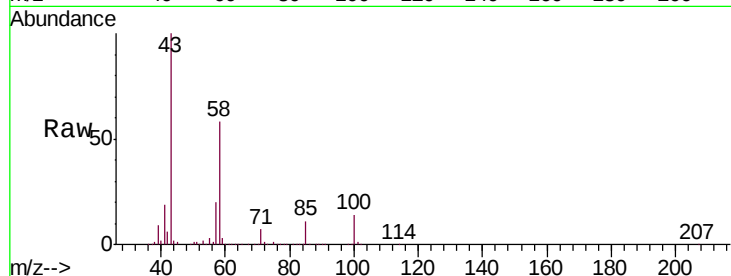




#59
2-Hexanone
Concen: 215.229 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

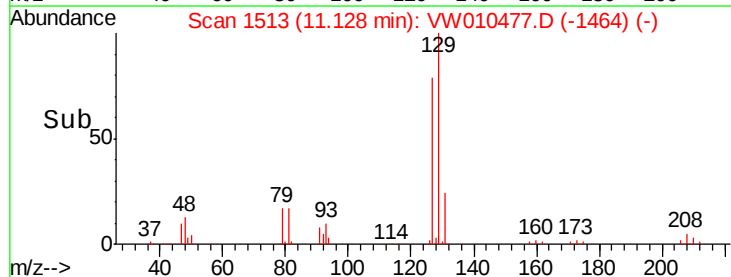
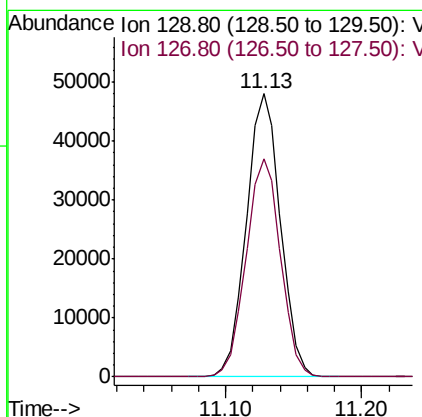
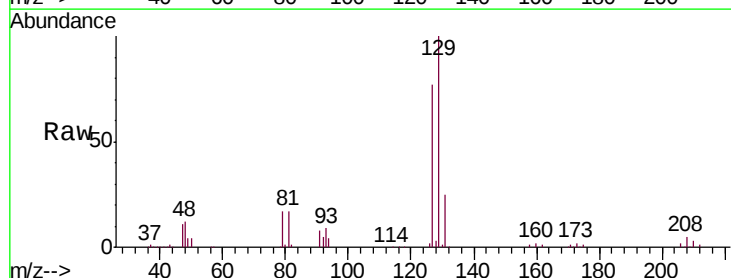
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

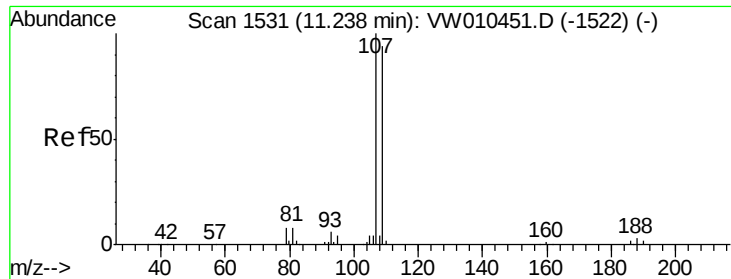
Tgt Ion: 43 Resp: 163938
Ion Ratio Lower Upper
43 100
58 57.8 28.9 86.8



#60
Dibromochloromethane
Concen: 48.346 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion: 129 Resp: 84252
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7

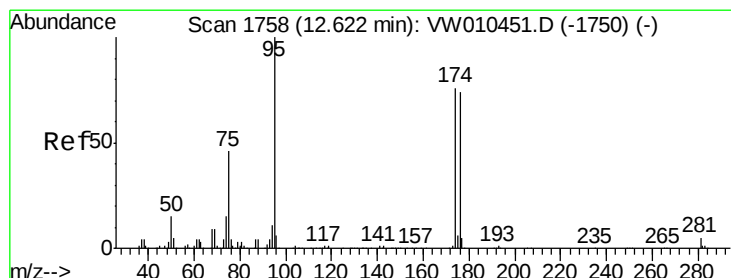
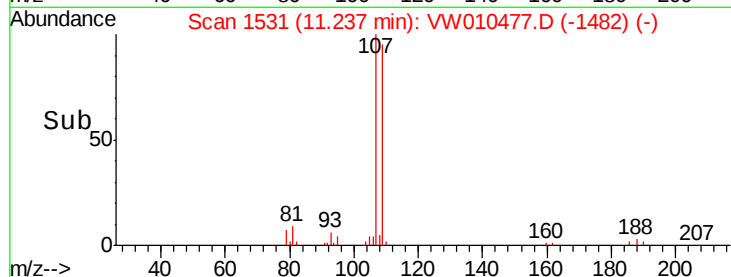
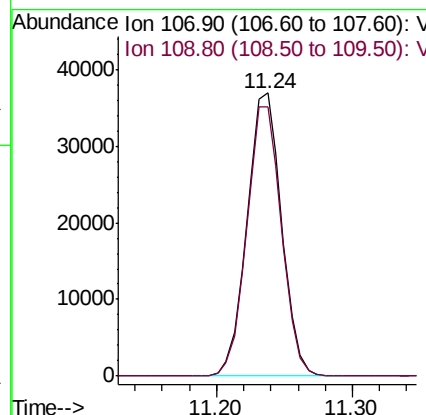
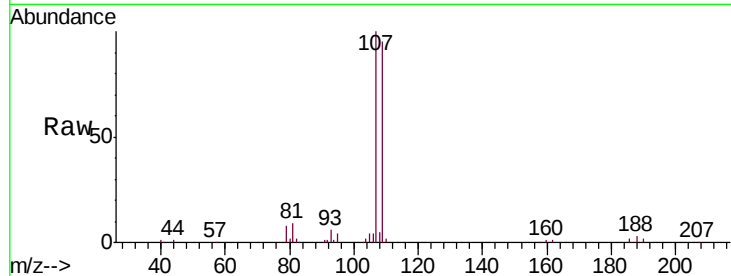




#61
 1,2-Dibromoethane
 Concen: 46.964 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

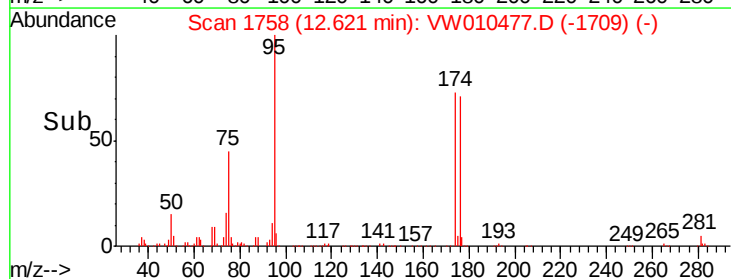
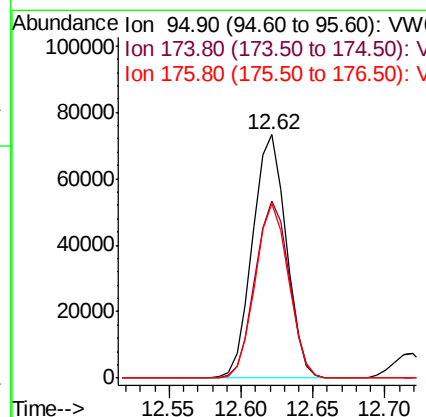
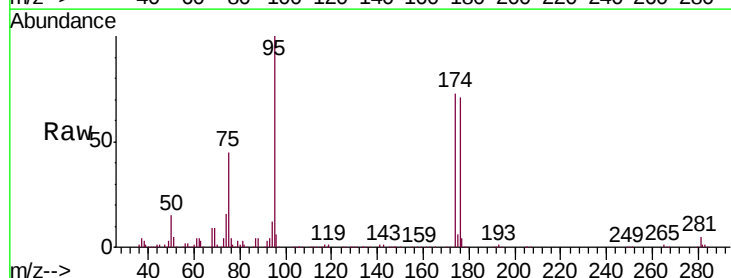
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

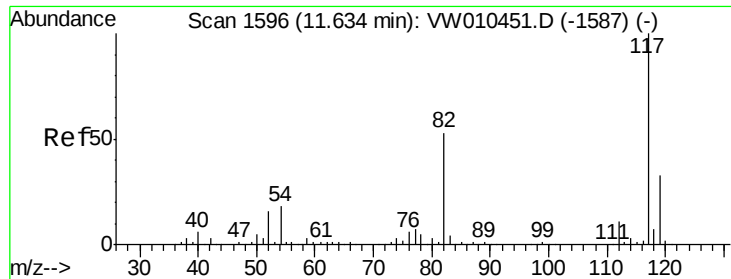
Tgt Ion: 107 Resp: 65507
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 48.080 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Tgt Ion: 95 Resp: 118202
 Ion Ratio Lower Upper
 95 100
 174 73.6 0.0 148.6
 176 71.1 0.0 144.2

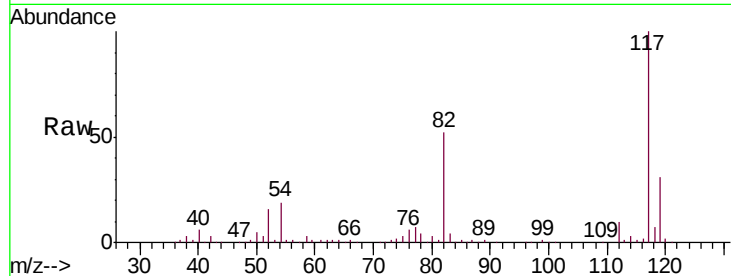




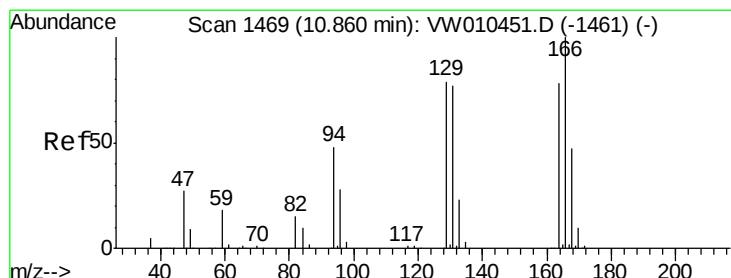
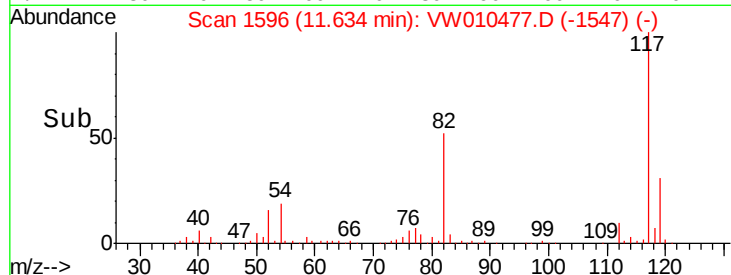
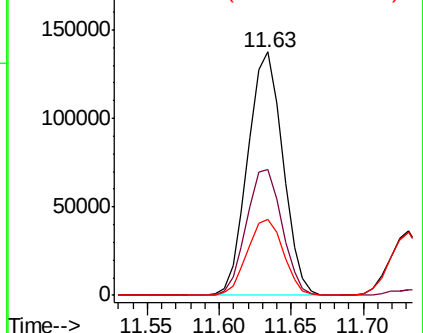
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 231558
Ion Ratio Lower Upper
117 100
82 51.6 42.8 64.2
119 31.2 26.3 39.5

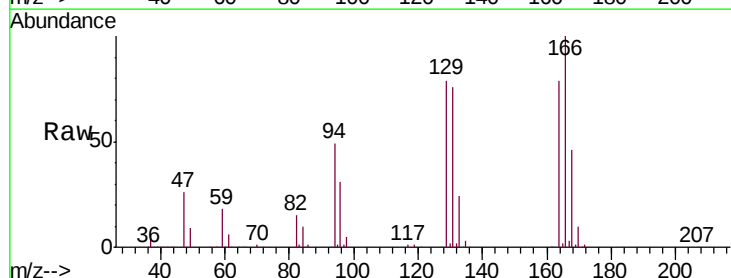


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

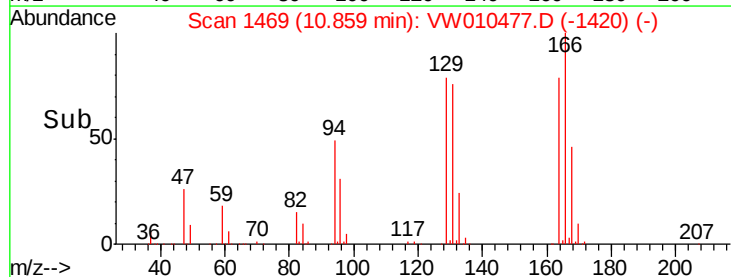
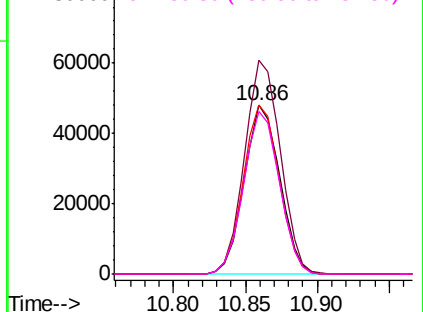


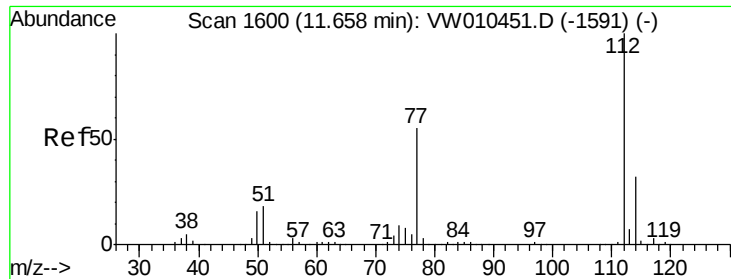
#64
Tetrachloroethene
Concen: 50.969 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion:164 Resp: 82273
Ion Ratio Lower Upper
164 100
166 126.8 101.9 152.9
129 100.2 80.6 121.0
131 96.3 78.2 117.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

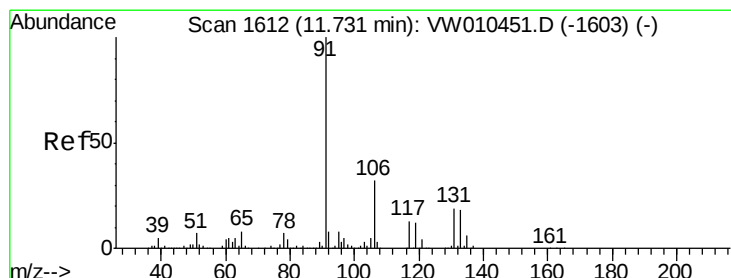
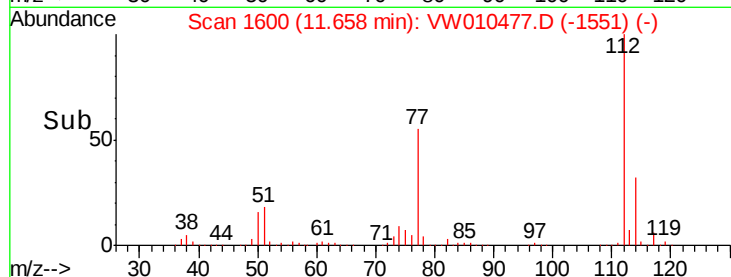
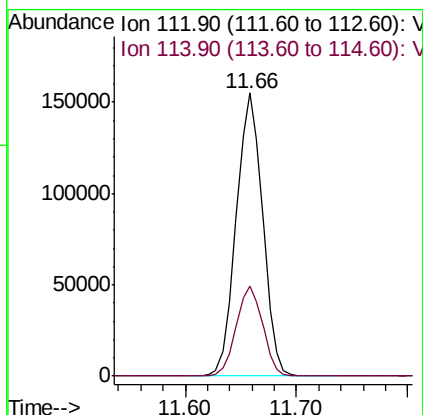
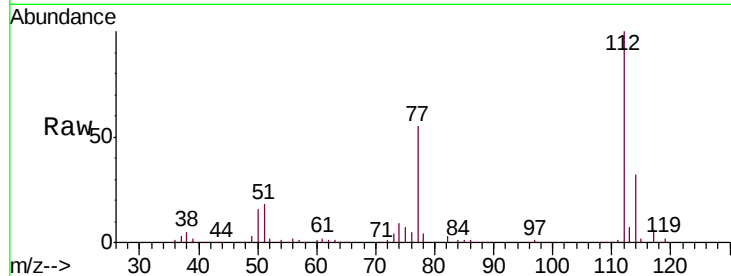




#65
Chlorobenzene
Concen: 51.705 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

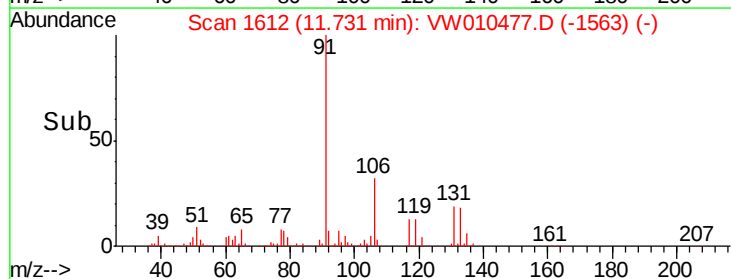
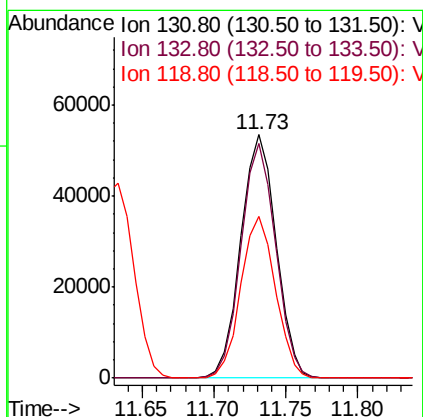
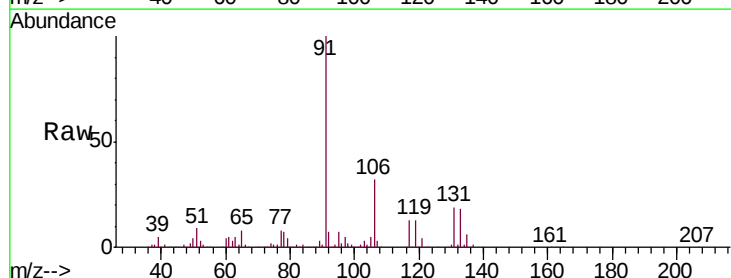
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

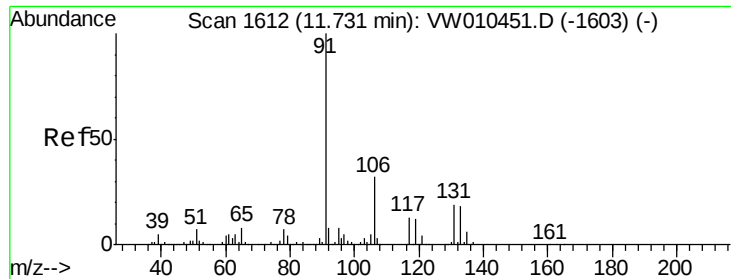
Tgt Ion:112 Resp: 255167
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.532 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion:131 Resp: 91100
Ion Ratio Lower Upper
131 100
133 94.4 47.3 141.9
119 65.2 32.1 96.5

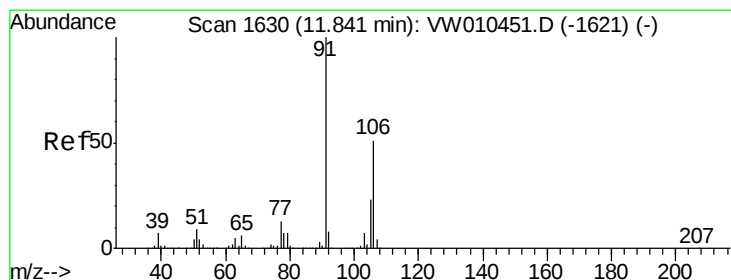
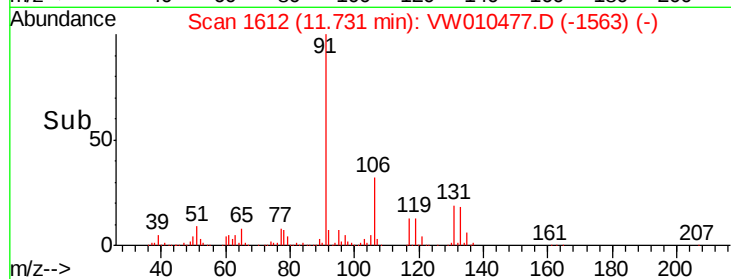
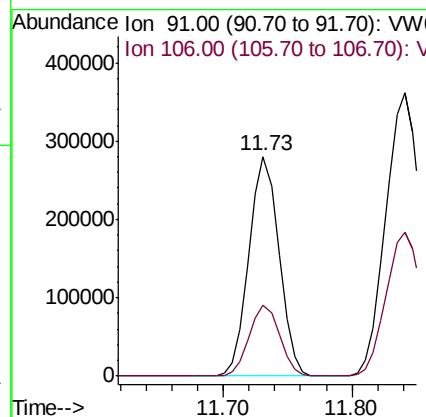
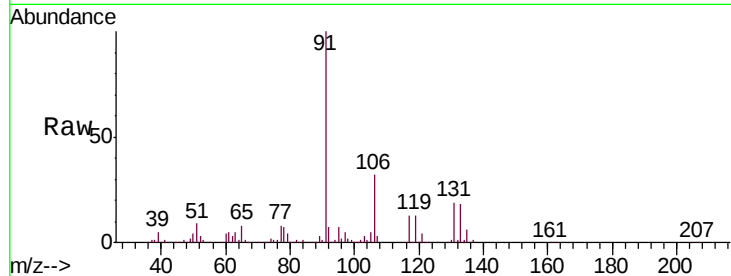




#67
Ethyl Benzene
Concen: 51.886 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

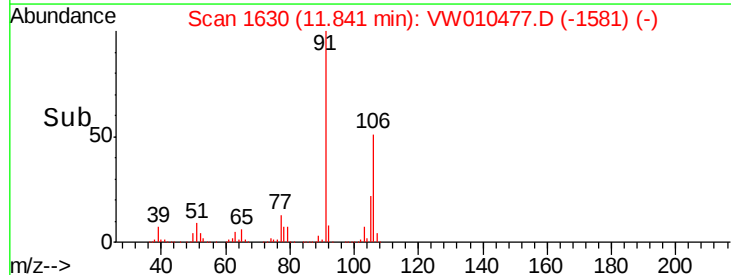
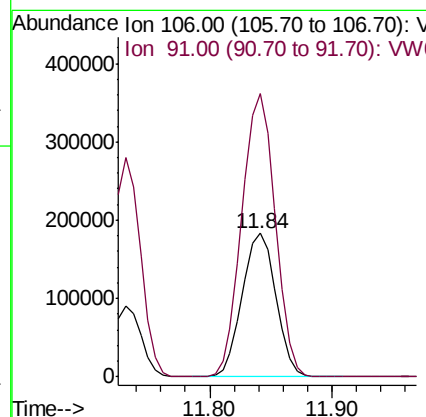
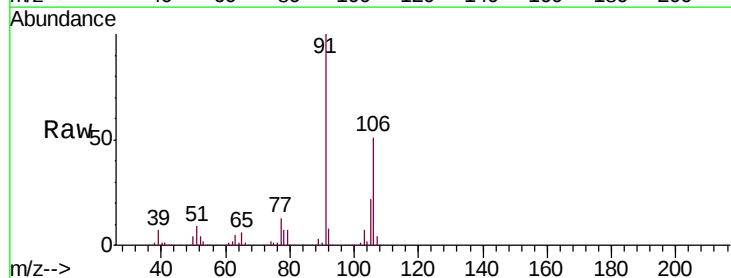
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

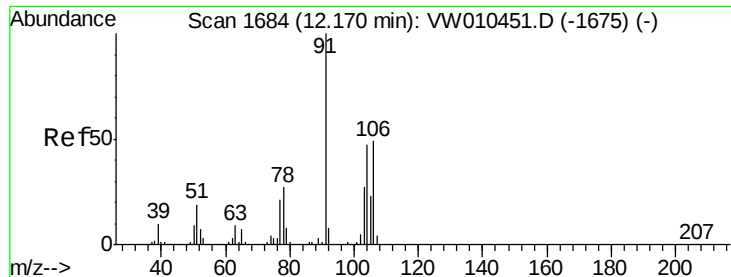
Tgt Ion: 91 Resp: 452087
Ion Ratio Lower Upper
91 100
106 32.4 25.9 38.9



#68
m/p-Xylenes
Concen: 102.697 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion: 106 Resp: 350969
Ion Ratio Lower Upper
106 100
91 195.5 156.0 234.0

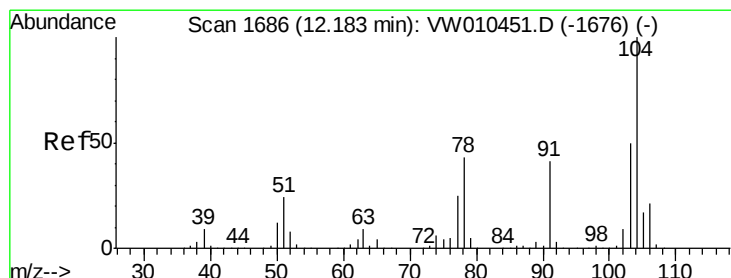
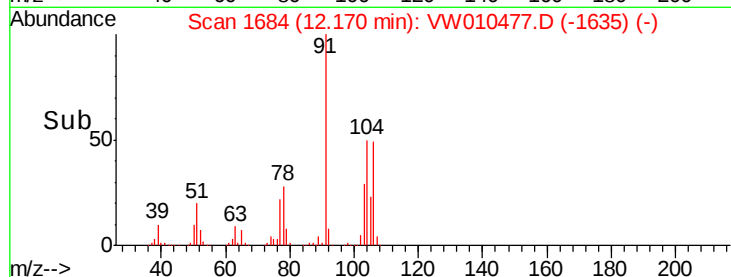
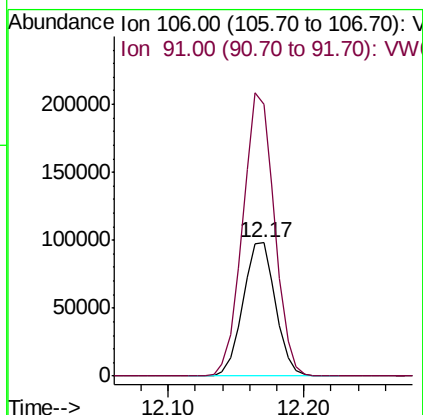
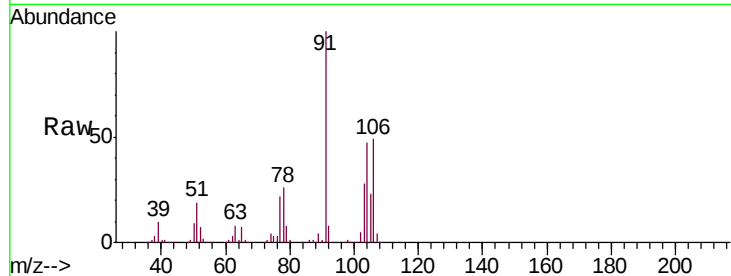




#69
o-Xylene
Concen: 50.781 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

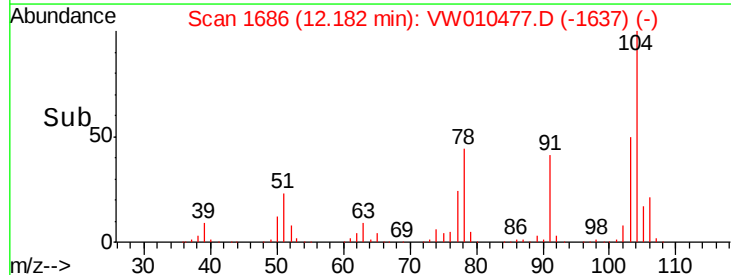
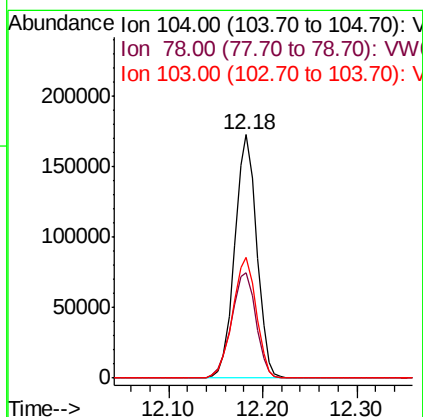
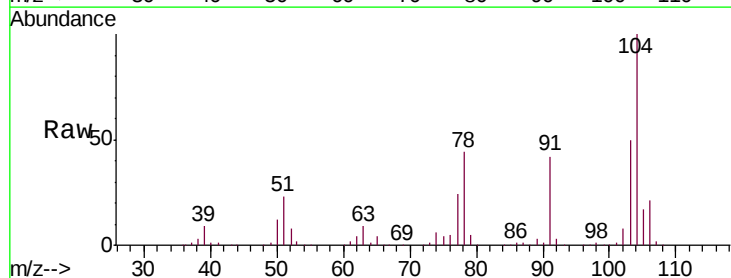
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

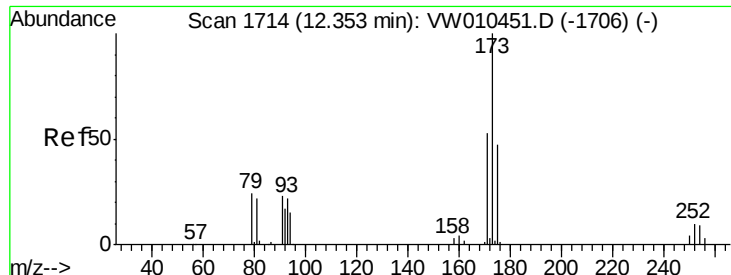
Tgt Ion:106 Resp: 164425
Ion Ratio Lower Upper
106 100
91 206.5 103.2 309.4



#70
Styrene
Concen: 50.861 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion:104 Resp: 279424
Ion Ratio Lower Upper
104 100
78 48.4 39.0 58.4
103 53.5 43.0 64.6





#71

Bromoform

Concen: 45.733 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

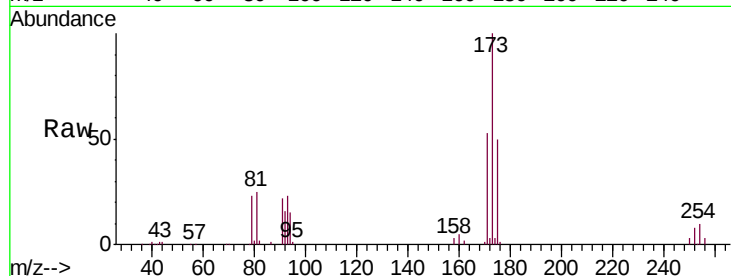
Tgt Ion:173 Resp: 44522

Ion Ratio Lower Upper

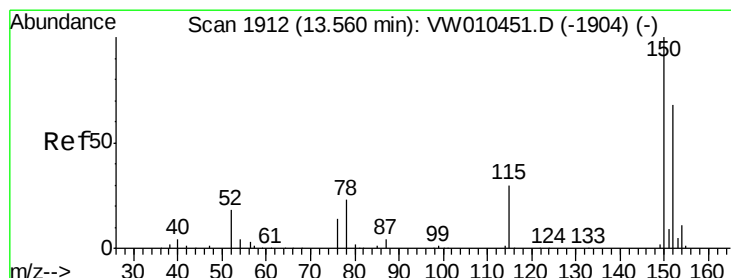
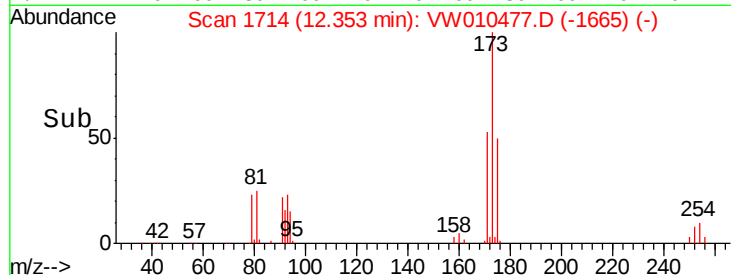
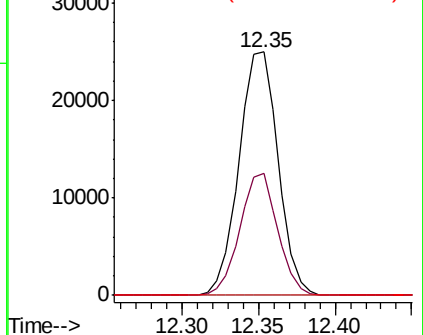
173 100

175 48.1 24.4 73.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

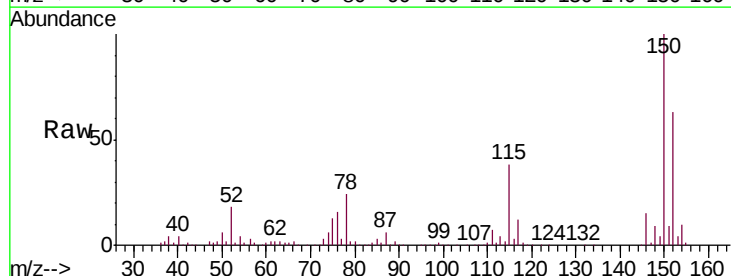
Tgt Ion:152 Resp: 109814

Ion Ratio Lower Upper

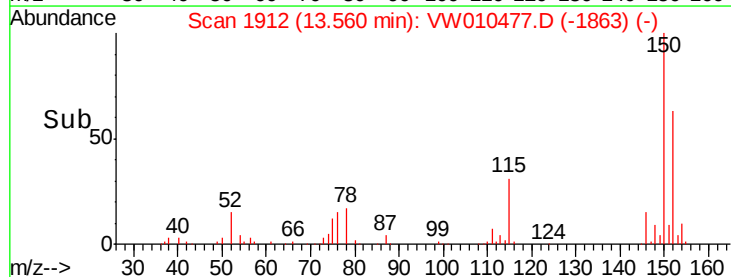
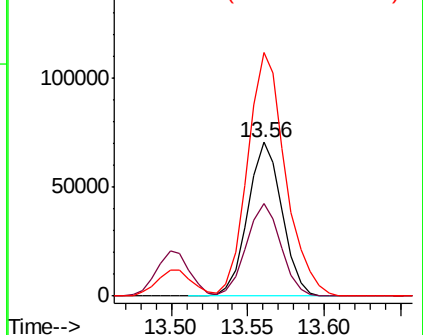
152 100

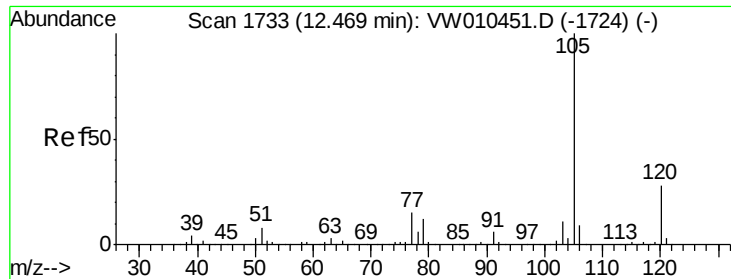
115 60.4 30.3 91.0

150 174.3 0.0 349.8



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: 52.026 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

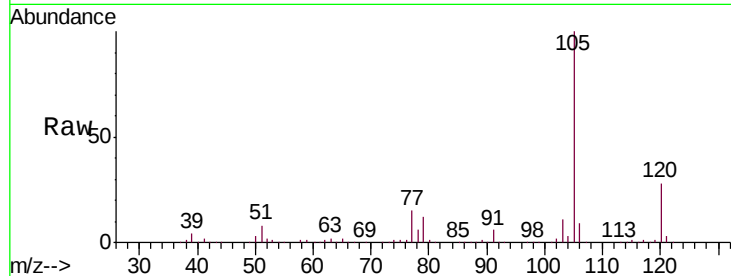
VSTDCCC050

Tgt Ion:105 Resp: 453363

Ion Ratio Lower Upper

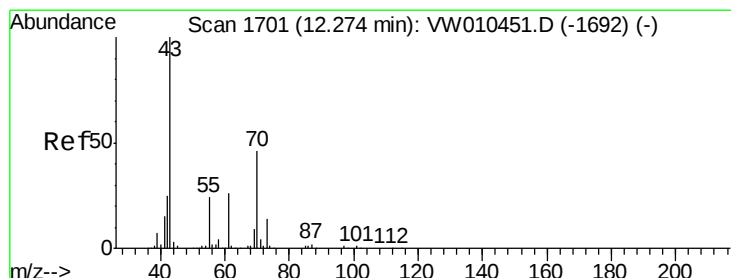
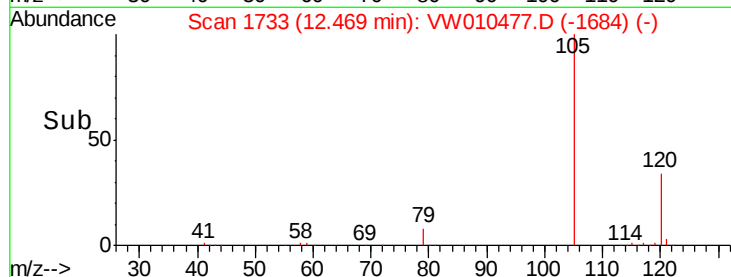
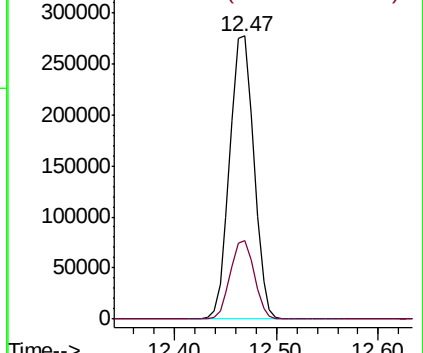
105 100

120 27.6 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 42.733 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Tgt Ion: 43 Resp: 85333

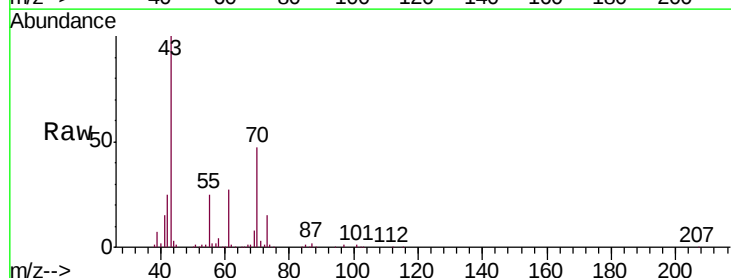
Ion Ratio Lower Upper

43 100

70 45.9 37.1 55.7

55 25.2 19.6 29.4

61 27.0 20.7 31.1

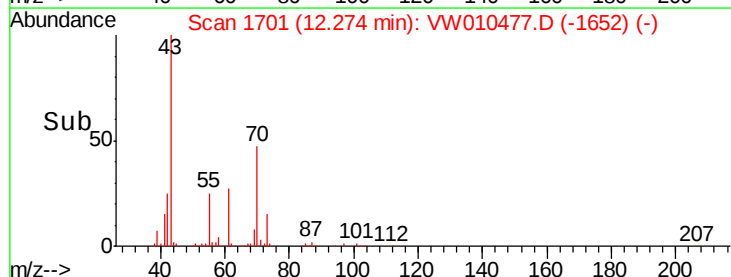
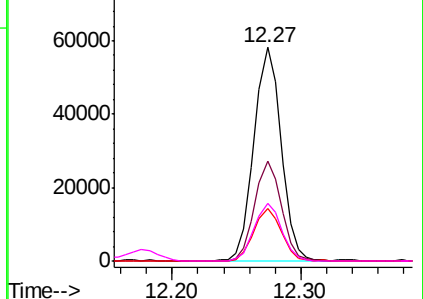


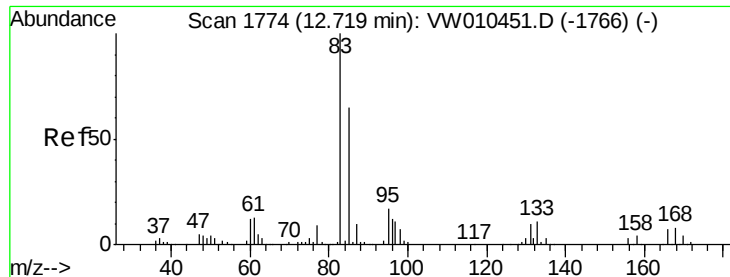
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 44.581 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

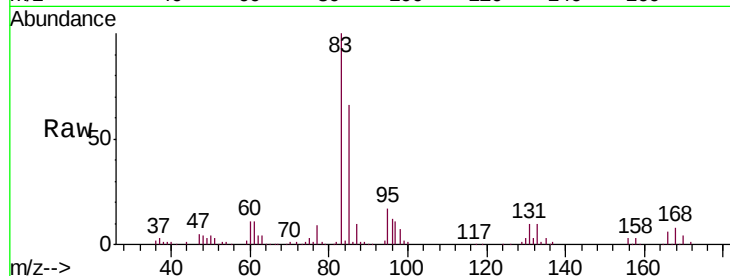
Tgt Ion: 83 Resp: 70660

Ion Ratio Lower Upper

83 100

131 11.6 5.6 16.8

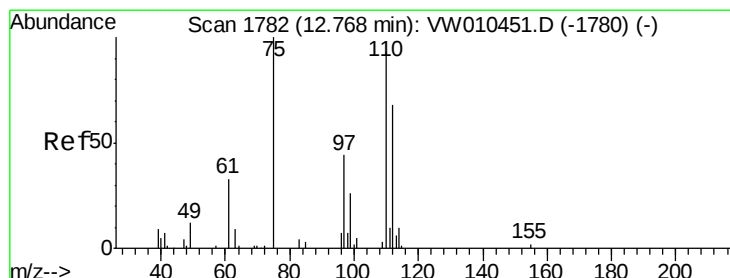
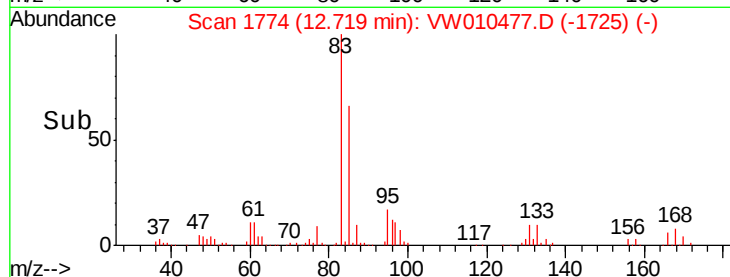
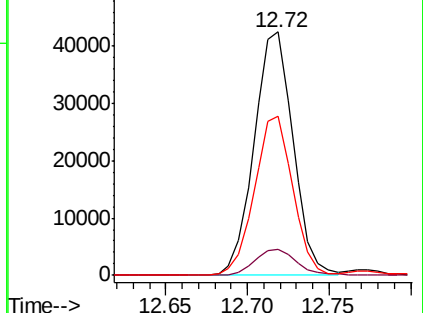
85 64.4 32.4 97.0



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: 81.944 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010477.D

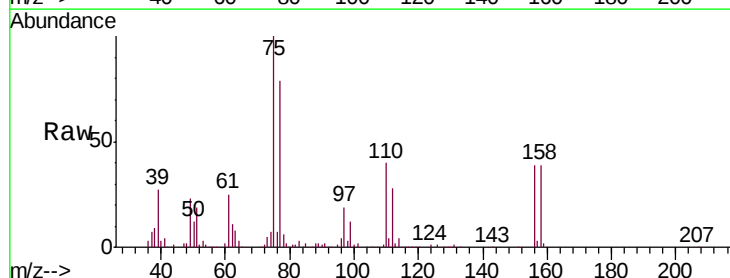
Acq: 21 May 2019 10:18

Tgt Ion: 75 Resp: 91342

Ion Ratio Lower Upper

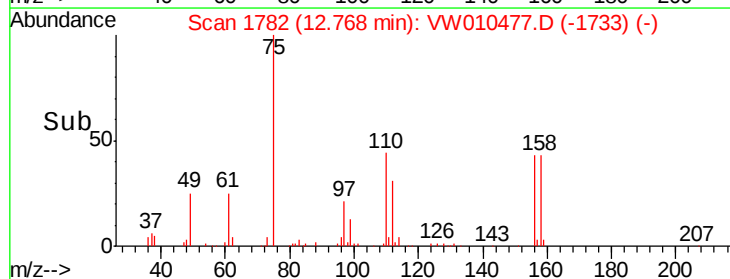
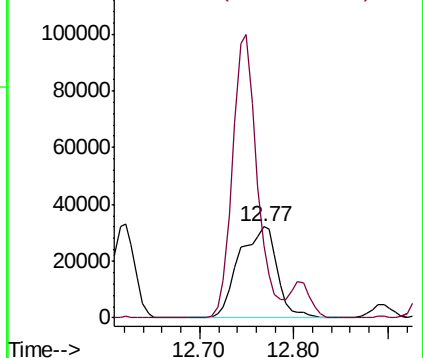
75 100

77 198.5 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.481 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

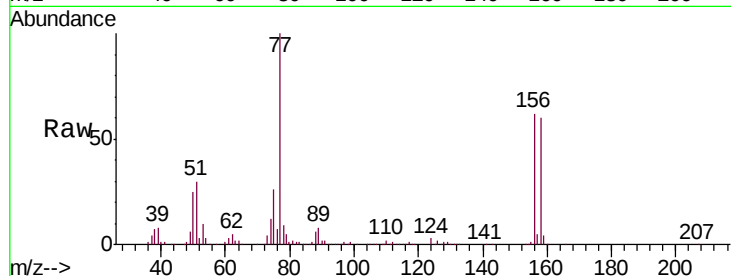
Tgt Ion:156 Resp: 100391

Ion Ratio Lower Upper

156 100

77 180.7 92.4 277.2

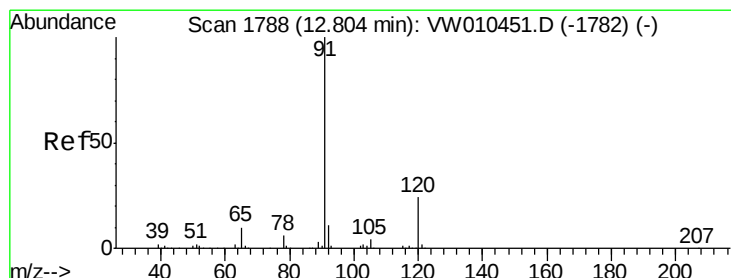
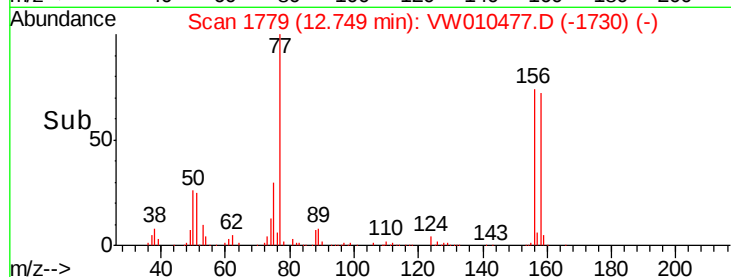
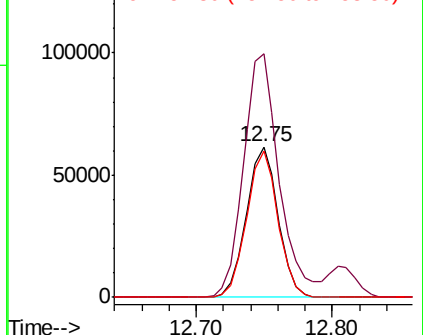
158 96.2 48.3 144.8



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: 51.272 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010477.D

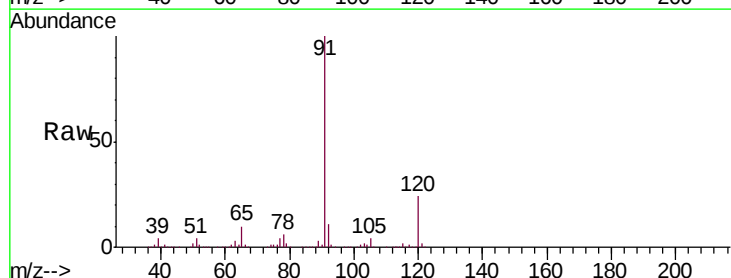
Acq: 21 May 2019 10:18

Tgt Ion: 91 Resp: 520680

Ion Ratio Lower Upper

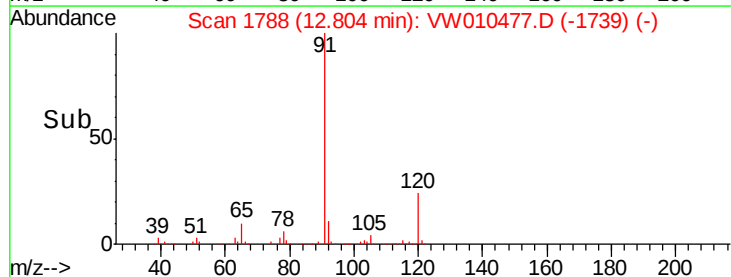
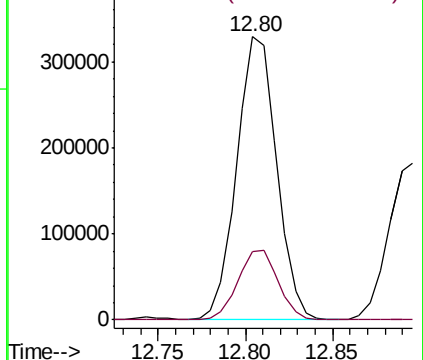
91 100

120 24.7 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.735 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

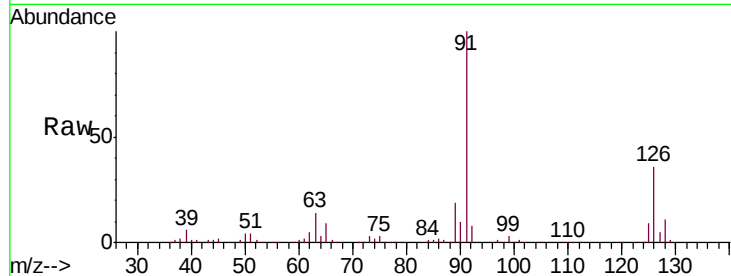
VSTDCCC050

Tgt Ion: 91 Resp: 298789

Ion Ratio Lower Upper

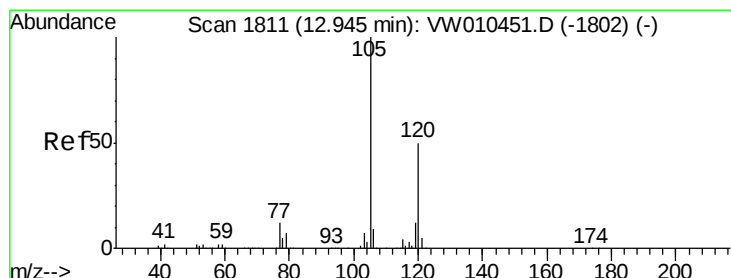
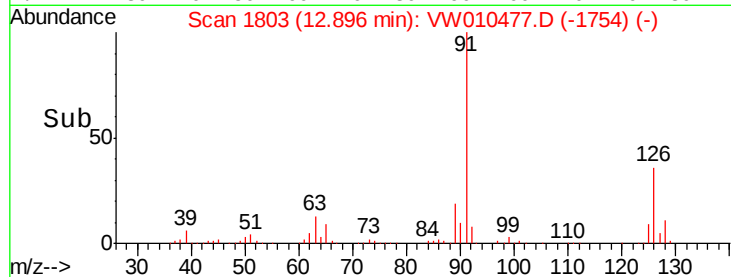
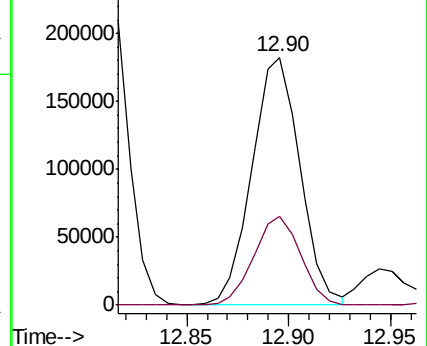
91 100

126 35.0 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.174 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010477.D

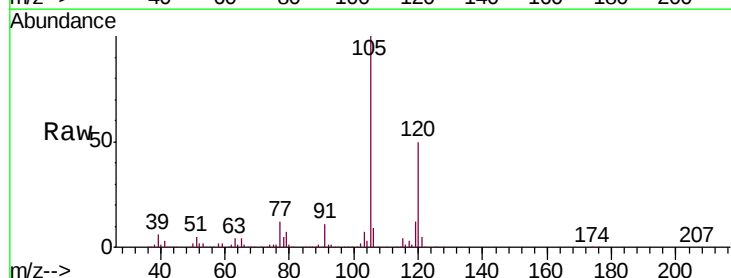
Acq: 21 May 2019 10:18

Tgt Ion: 105 Resp: 377681

Ion Ratio Lower Upper

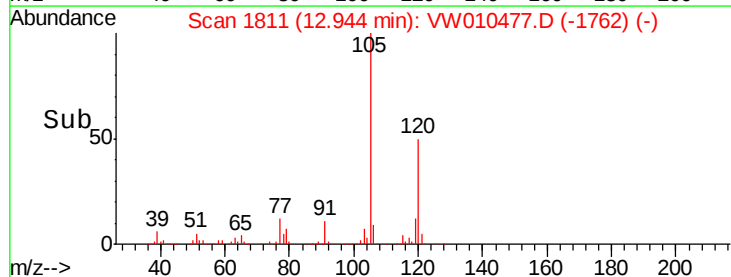
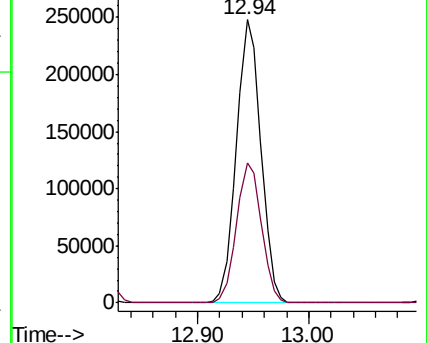
105 100

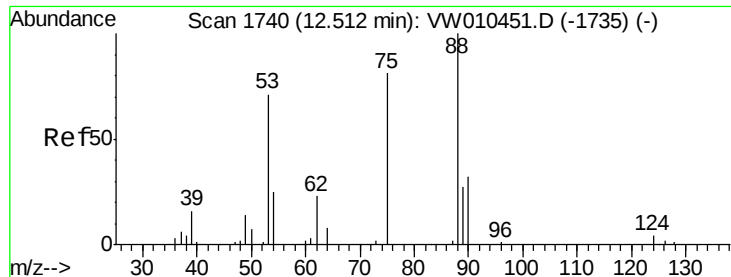
120 50.5 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

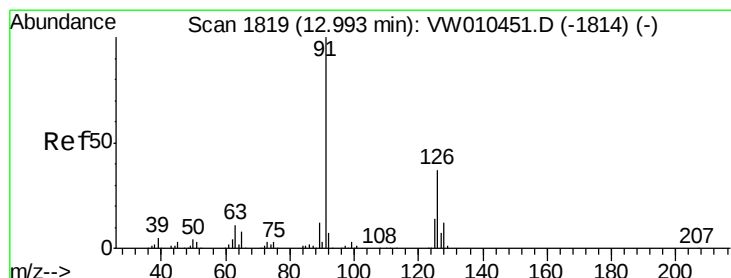
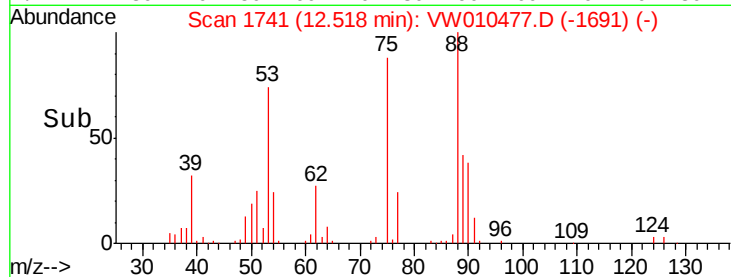
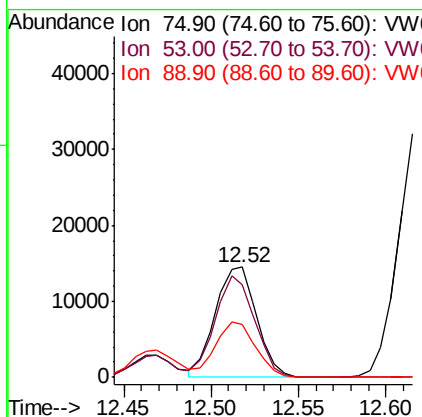
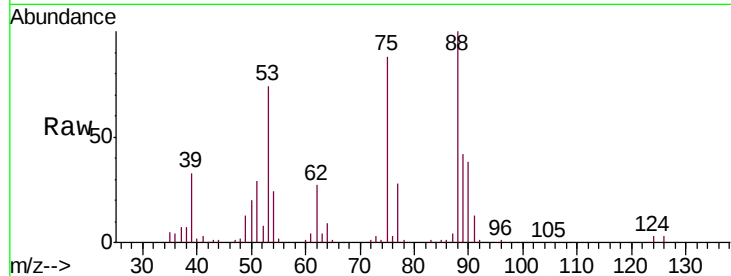




#81
trans-1,4-Dichloro-2-butene
Concen: 44.980 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

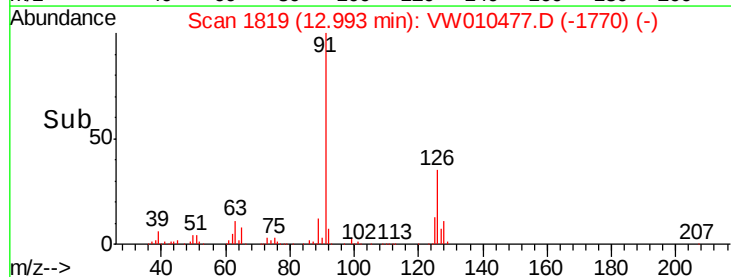
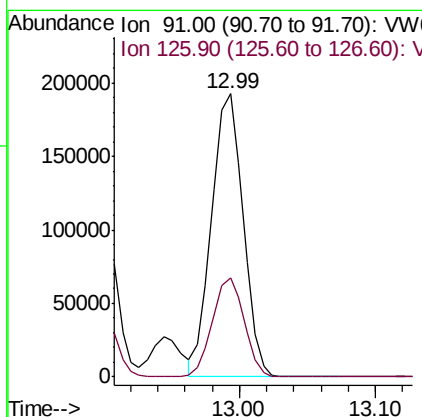
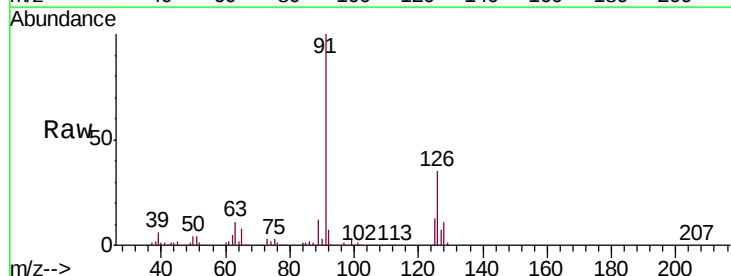
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

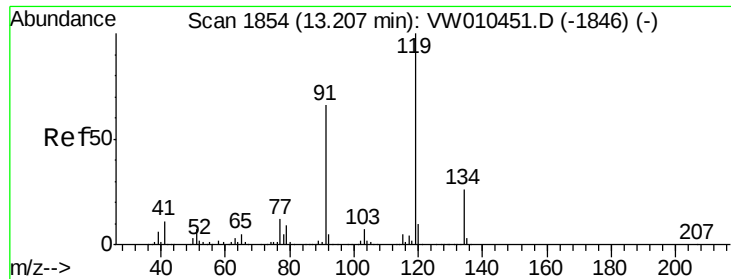
Tgt Ion: 75 Resp: 24024
Ion Ratio Lower Upper
75 100
53 87.5 69.8 104.8
89 49.2 39.5 59.3



#82
4-Chlorotoluene
Concen: 50.746 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion: 91 Resp: 310201
Ion Ratio Lower Upper
91 100
126 35.3 17.5 52.6

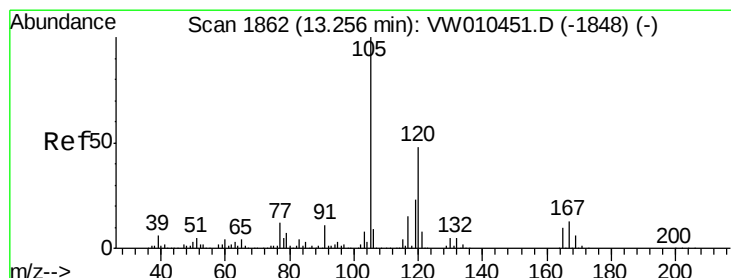
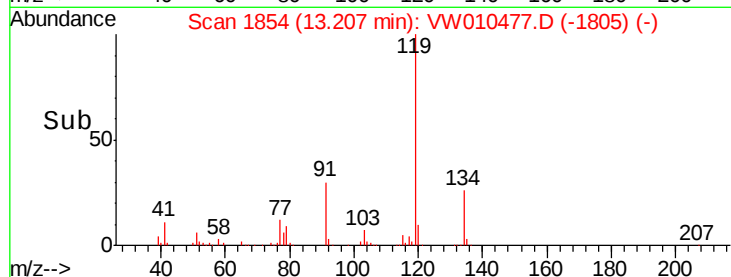
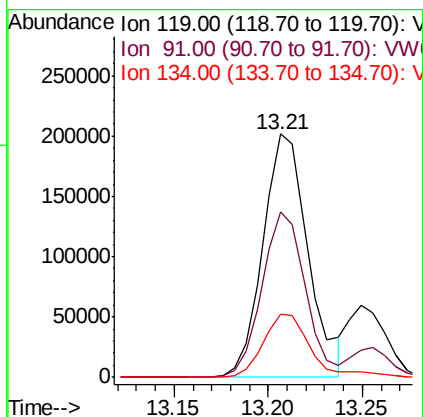
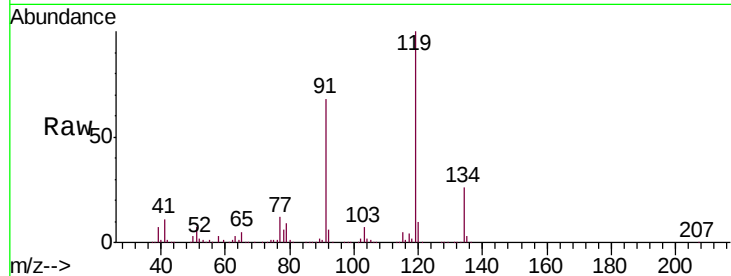




#83
 tert-Butylbenzene
 Concen: 52.088 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

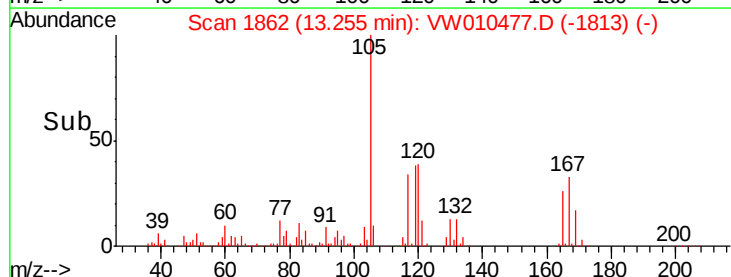
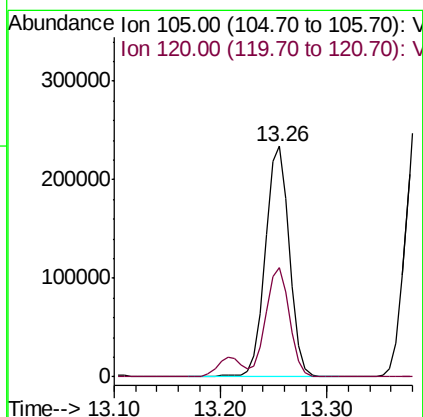
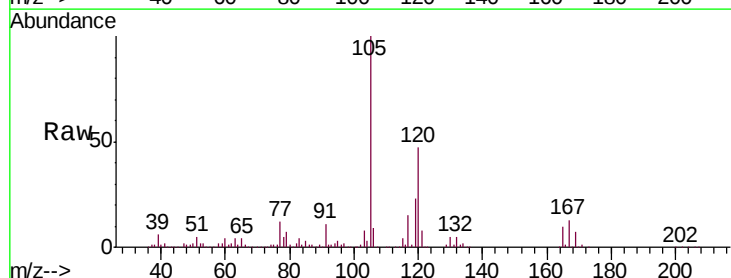
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

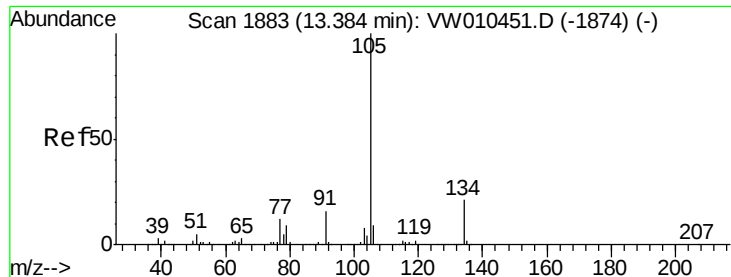
Tgt Ion:119 Resp: 335798
 Ion Ratio Lower Upper
 119 100
 91 65.1 33.1 99.5
 134 27.4 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 50.226 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Tgt Ion:105 Resp: 369188
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.2

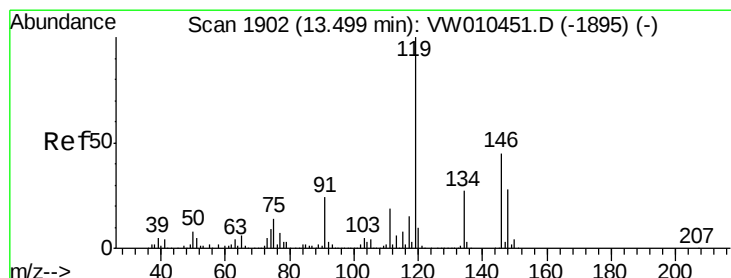
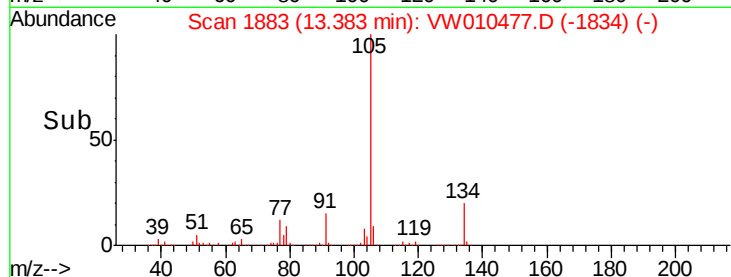
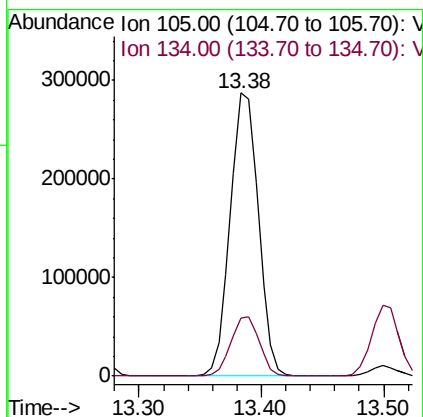
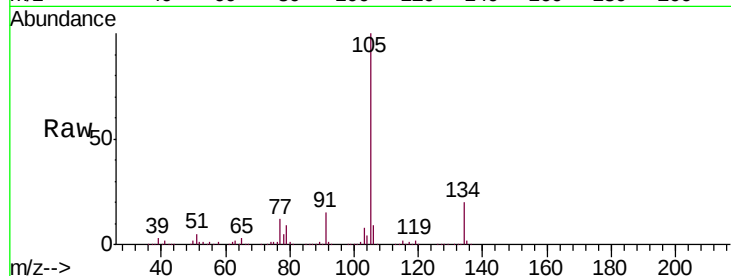




#85
 sec-Butylbenzene
 Concen: 50.645 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

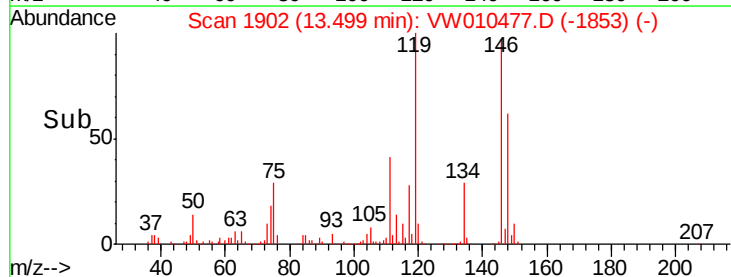
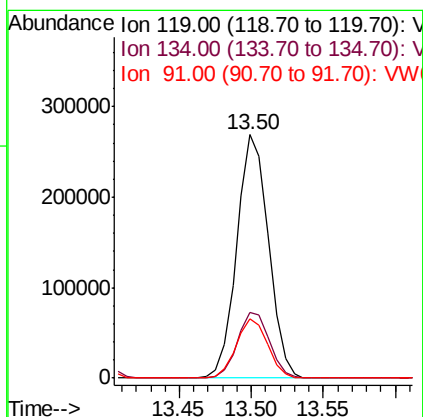
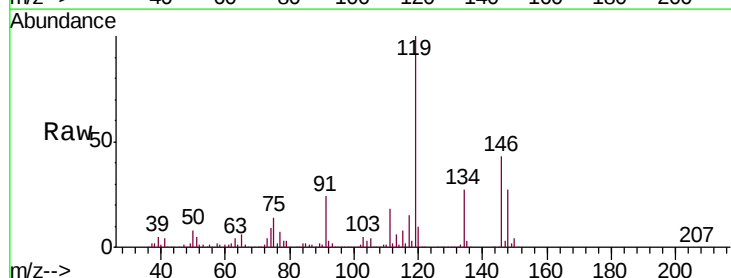
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

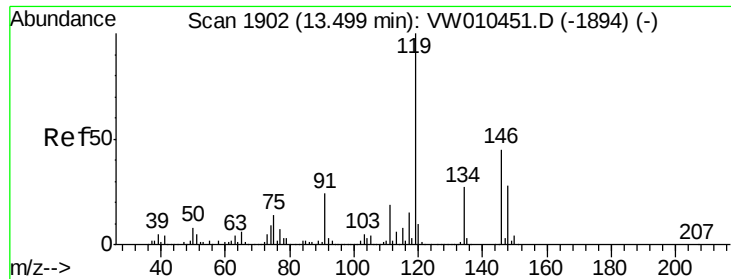
Tgt Ion:105 Resp: 456912
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 50.168 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Tgt Ion:119 Resp: 409668
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.6 40.7
 91 24.1 11.9 35.7

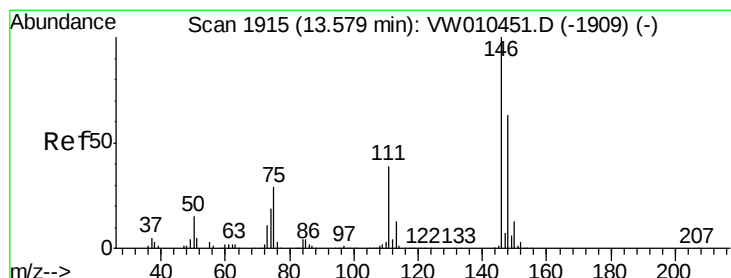
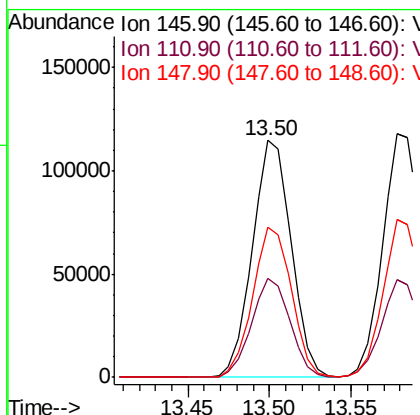
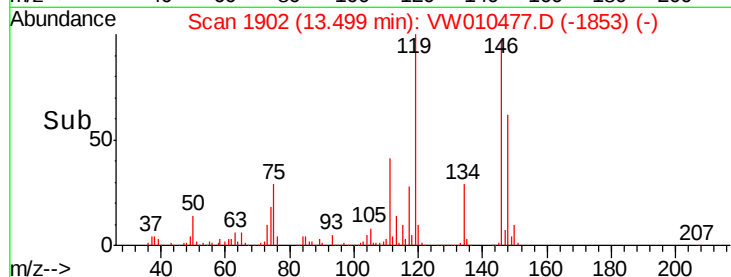
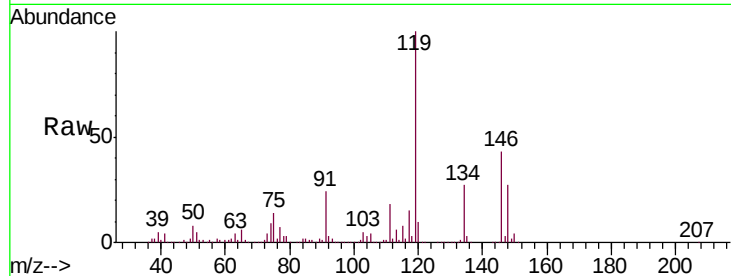




#87
 1,3-Dichlorobenzene
 Concen: 49.728 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

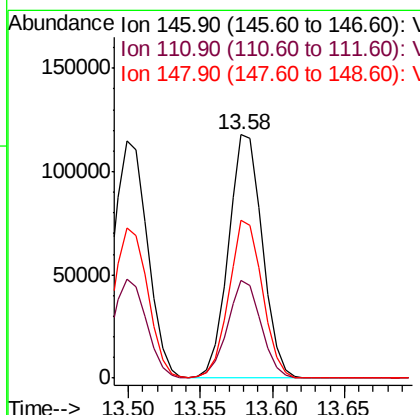
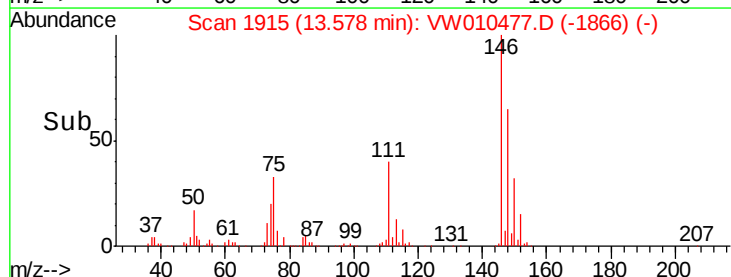
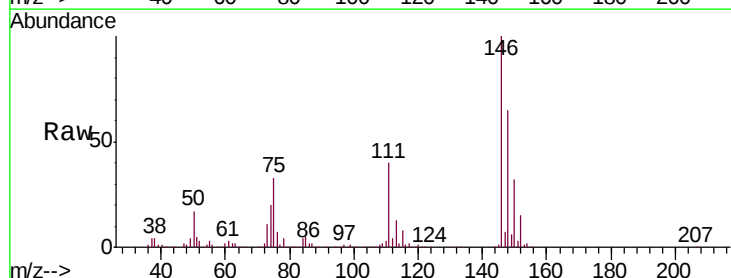
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

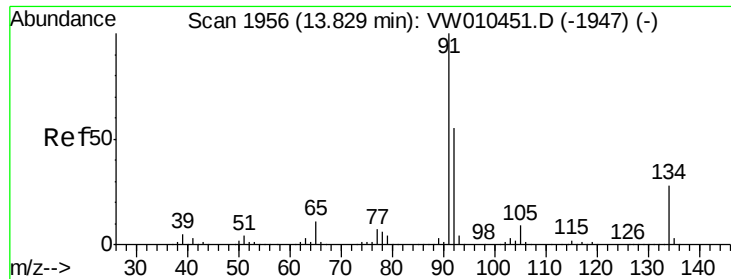
Tgt Ion:146 Resp: 190253
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.3 60.9
 148 63.3 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 50.499 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Tgt Ion:146 Resp: 193845
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.9 59.6
 148 64.0 31.6 94.8





#89

n-Butylbenzene

Concen: 49.945 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

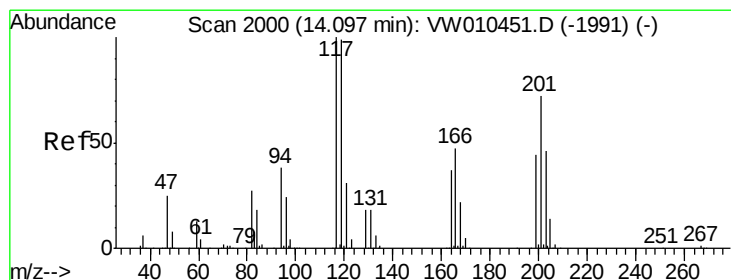
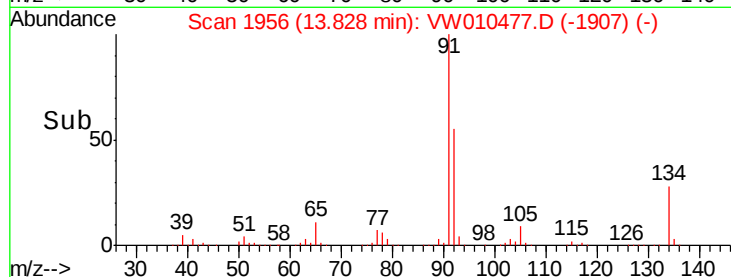
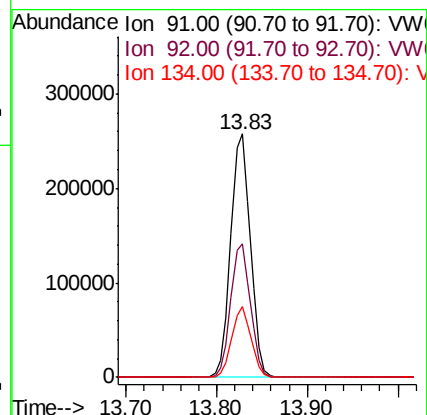
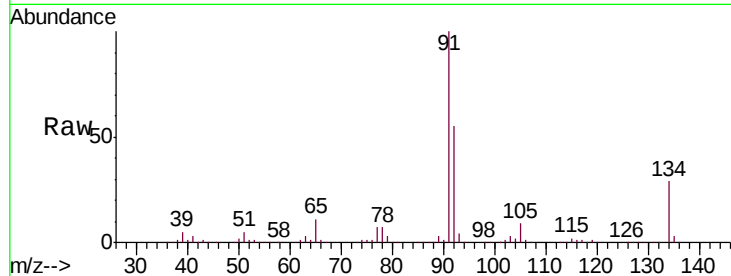
Tgt Ion: 91 Resp: 387934

Ion Ratio Lower Upper

91 100

92 55.1 27.7 83.1

134 28.3 13.9 41.6



#90

Hexachloroethane

Concen: 51.776 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010477.D

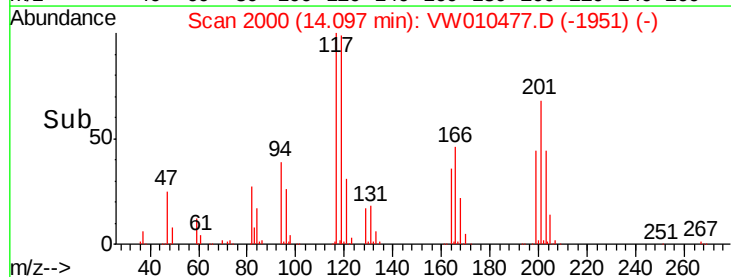
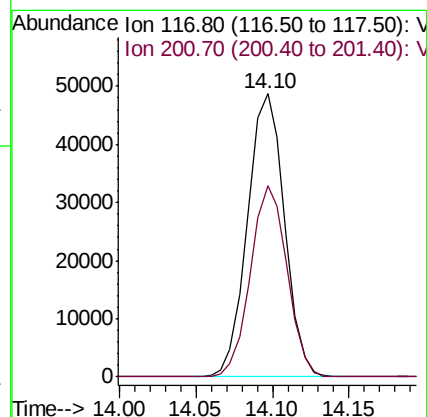
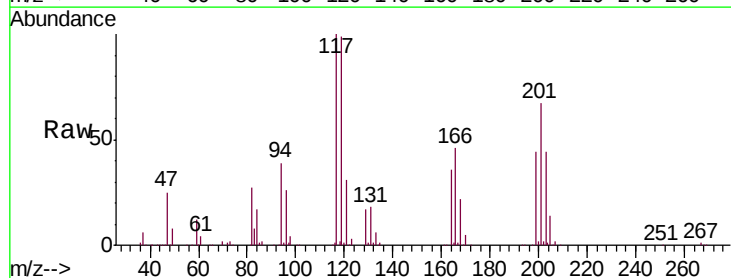
Acq: 21 May 2019 10:18

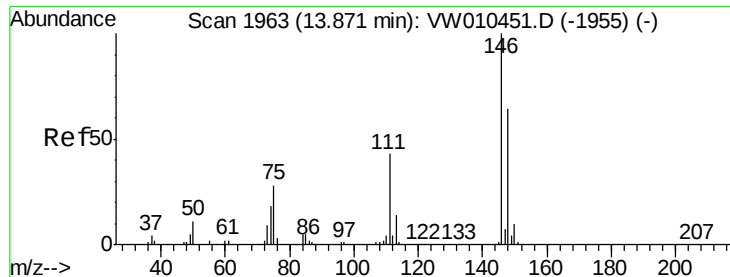
Tgt Ion: 117 Resp: 81837

Ion Ratio Lower Upper

117 100

201 66.9 34.6 103.8





#91

1,2-Dichlorobenzene

Concen: 49.275 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

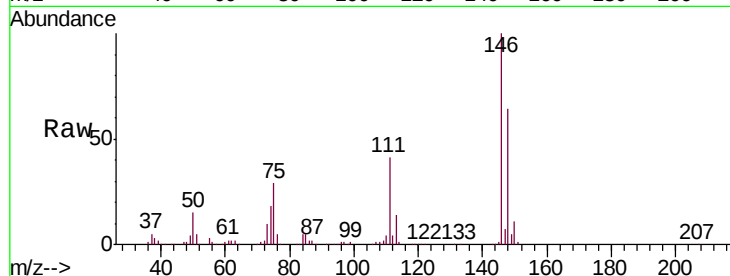
Tgt Ion:146 Resp: 171772

Ion Ratio Lower Upper

146 100

111 42.6 21.3 64.0

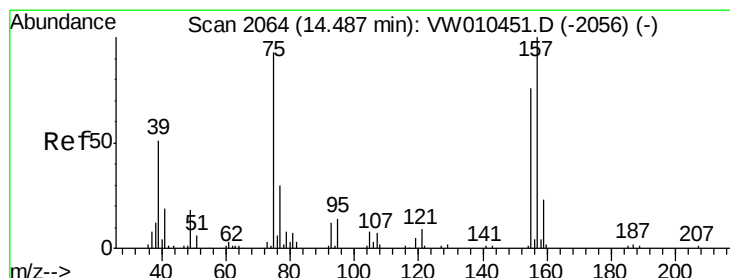
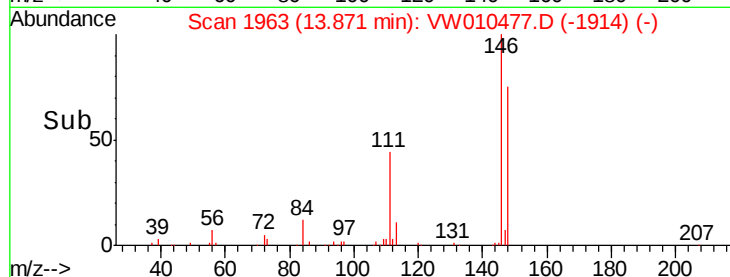
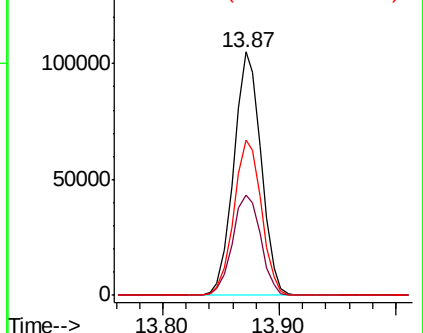
148 64.3 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 40.829 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

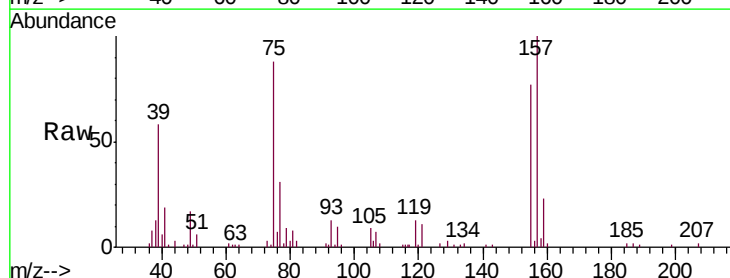
Tgt Ion: 75 Resp: 12033

Ion Ratio Lower Upper

75 100

155 87.2 43.0 129.0

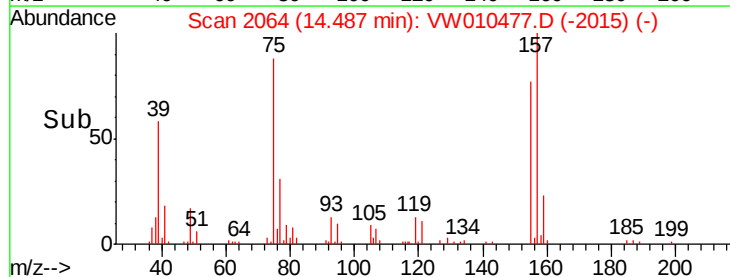
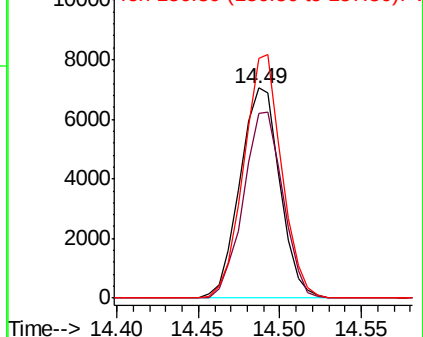
157 110.3 55.7 167.1

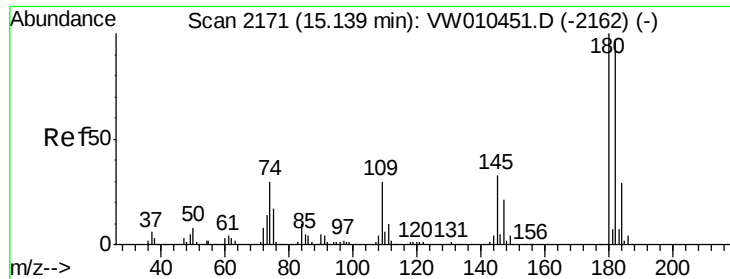


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

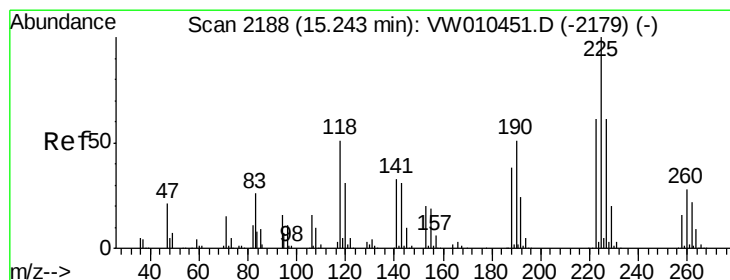
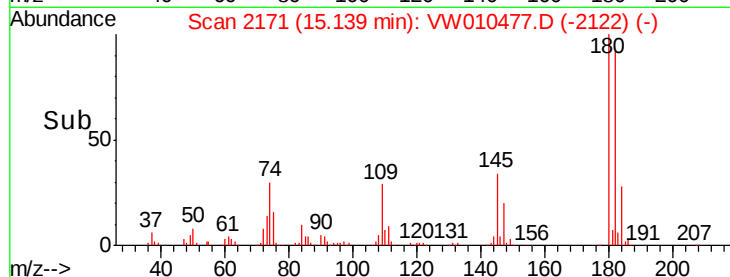
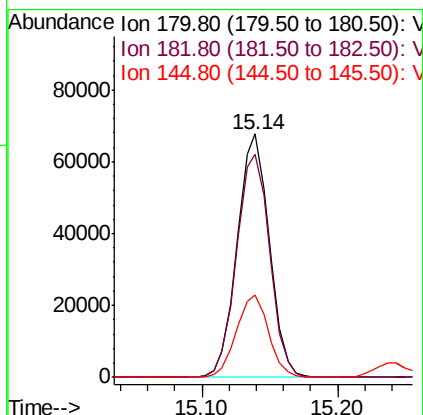
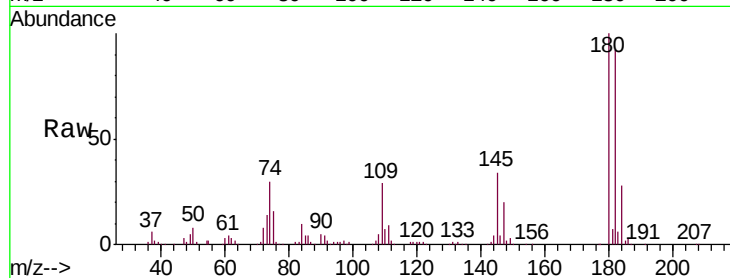




#93
 1,2,4-Trichlorobenzene
 Concen: 47.073 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

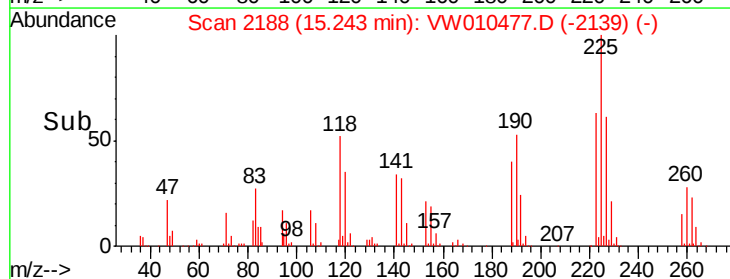
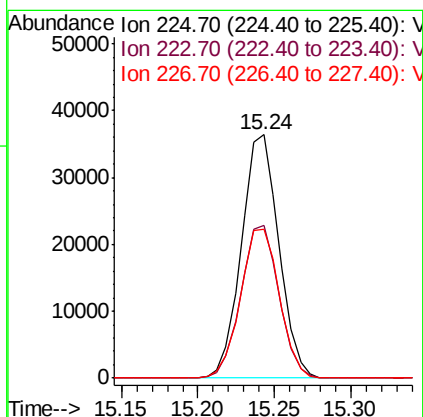
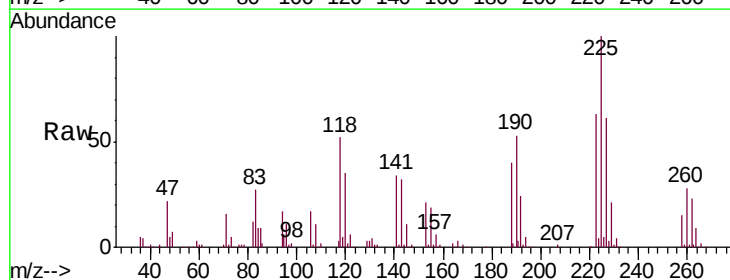
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

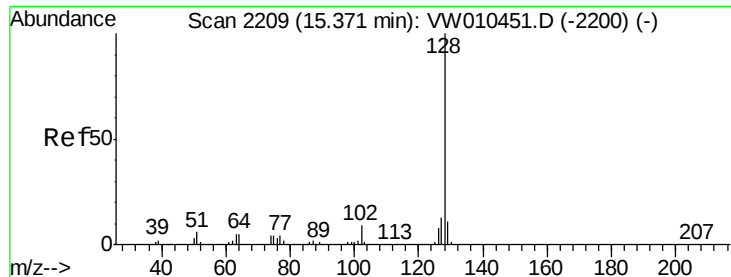
Tgt Ion:180 Resp: 111649
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.0 141.2
 145 33.9 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 48.864 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Tgt Ion:225 Resp: 61915
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.1 93.2
 227 63.6 31.1 93.5

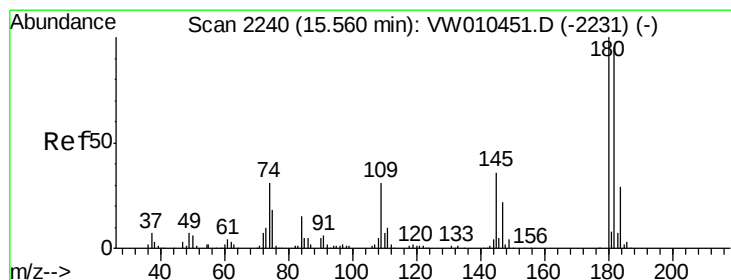
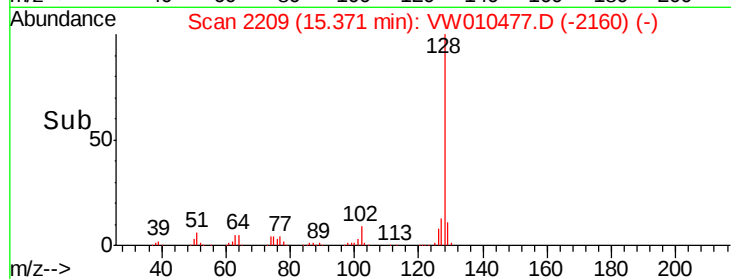
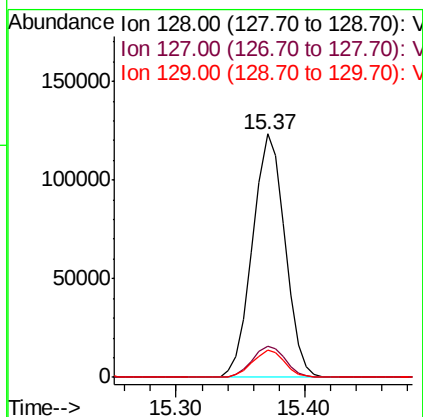
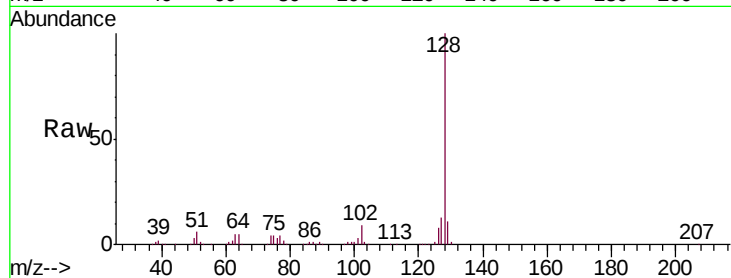




#95
Naphthalene
Concen: 43.088 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 214526
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 11.1 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 46.061 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion:180 Resp: 94005
Ion Ratio Lower Upper
180 100
182 95.2 47.1 141.3
145 36.7 17.4 52.3

