

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110218\
 Data File : VW006551.D
 Acq On : 01 Nov 2018 10:43
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 01 13:29:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	339267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	465849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	421426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	233957	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	133513	45.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.56%	
35) Dibromofluoromethane	7.88	113	149788	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
50) Toluene-d8	10.33	98	585495	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
62) 4-Bromofluorobenzene	12.62	95	205491	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.02	85	91768	52.18	ug/l	99
3) Chloromethane	2.22	50	105661	48.56	ug/l	98
4) Vinyl Chloride	2.37	62	154142	50.73	ug/l	100
5) Bromomethane	2.79	94	122346	47.98	ug/l	100
6) Chloroethane	2.93	64	104832	49.38	ug/l	99
7) Trichlorofluoromethane	3.26	101	148912	55.50	ug/l	97
8) Diethyl Ether	3.68	74	63946	43.60	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	151601	52.91	ug/l	99
10) Methyl Iodide	4.26	142	258208	49.70	ug/l	100
11) Tert butyl alcohol	5.25	59	31461	200.22	ug/l	99
12) 1,1-Dichloroethene	4.03	96	143099	51.71	ug/l	98
13) Acrolein	3.90	56	51152	258.83	ug/l	99
14) Allyl chloride	4.67	41	185244	51.28	ug/l	99
15) Acrylonitrile	5.38	53	112963	214.80	ug/l	99
16) Acetone	4.15	43	133523	283.59	ug/l	99
17) Carbon Disulfide	4.37	76	424185	53.86	ug/l	100
18) Methyl Acetate	4.68	43	54989	40.61	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	189739	46.06	ug/l	98
20) Methylene Chloride	4.92	84	141482	45.87	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	158409	50.59	ug/l	99
22) Diisopropyl ether	6.32	45	359554	47.75	ug/l	99
23) Vinyl Acetate	6.26	43	986389	236.20	ug/l	100
24) 1,1-Dichloroethane	6.22	63	248642	48.72	ug/l	99
25) 2-Butanone	7.19	43	156742	233.29	ug/l	95
26) 2,2-Dichloropropane	7.17	77	176481	57.40	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	169490	48.38	ug/l	98
28) Bromochloromethane	7.51	49	90037	44.43	ug/l	100
29) Tetrahydrofuran	7.54	42	89225	211.14	ug/l	99
30) Chloroform	7.68	83	271323	48.49	ug/l	99
31) Cyclohexane	7.96	56	231406	49.82	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	246832	52.13	ug/l	100
36) 1,1-Dichloropropene	8.09	75	218940	53.44	ug/l	99
37) Ethyl Acetate	7.26	43	62373	43.93	ug/l	99
38) Carbon Tetrachloride	8.07	117	240309	56.14	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	295658	56.87	ug/l	98
40) Benzene	8.33	78	602537	51.78	ug/l	99
41) Methacrylonitrile	7.49	41	40040	45.99	ug/l	97
42) 1,2-Dichloroethane	8.40	62	159840	47.90	ug/l	100
43) Isopropyl Acetate	8.43	43	128867	45.49	ug/l	99
44) Trichloroethene	9.09	130	188812	52.58	ug/l	98
45) 1,2-Dichloropropane	9.37	63	136488	50.40	ug/l	98
46) Dibromomethane	9.46	93	75800	47.62	ug/l	100
47) Bromodichloromethane	9.65	83	189577	51.29	ug/l	98
48) Methyl methacrylate	9.44	41	63463	46.50	ug/l	99
49) 1,4-Dioxane	9.49	88	23201	995.91	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	325803	223.93	ug/l	99
52) Toluene	10.39	92	403796	51.74	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	186917	52.55	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	222575	52.95	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	107335	47.52	ug/l	95
56) Ethyl methacrylate	10.65	69	122372	47.67	ug/l	99
57) 1,3-Dichloropropane	10.94	76	174084	47.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	286036	229.22	ug/l	99
59) 2-Hexanone	10.98	43	241352	244.24	ug/l	100
60) Dibromochloromethane	11.13	129	136233	50.91	ug/l	98
61) 1,2-Dibromoethane	11.24	107	107188	47.79	ug/l	99
64) Tetrachloroethene	10.87	164	169125	50.34	ug/l	99
65) Chlorobenzene	11.66	112	465314	52.47	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	163720	52.53	ug/l	99
67) Ethyl Benzene	11.74	91	806768	54.43	ug/l	99
68) m/p-Xylenes	11.84	106	646721	109.21	ug/l	99
69) o-Xylene	12.17	106	303838	53.89	ug/l	99
70) Styrene	12.19	104	491420	53.46	ug/l	100
71) Bromoform	12.35	173	85337	51.65	ug/l #	99
73) Isopropylbenzene	12.47	105	863073	56.00	ug/l	100
74) N-amyl acetate	12.28	43	127991	48.06	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	116484	47.85	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	152373	83.47	ug/l #	100
77) Bromobenzene	12.76	156	206189	51.67	ug/l	99
78) n-propylbenzene	12.81	91	995679	56.17	ug/l	100
79) 2-Chlorotoluene	12.90	91	550393	54.10	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	719055	55.53	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	34998	49.67	ug/l	96
82) 4-Chlorotoluene	12.99	91	582739	54.14	ug/l	100
83) tert-Butylbenzene	13.21	119	647932	56.11	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	730445	55.00	ug/l	100
85) sec-Butylbenzene	13.39	105	922434	57.04	ug/l	99
86) p-Isopropyltoluene	13.51	119	841803	57.21	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	418505	53.26	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	409510	52.57	ug/l	99
89) n-Butylbenzene	13.83	91	757645	58.00	ug/l	100
90) Hexachloroethane	14.10	117	138926	57.44	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	361652	51.16	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18554	46.97	ug/l	99

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Quant Title : SW846 8260
QLast Update : Thu Nov 01 03:48:08 2018
Response via : Initial Calibration

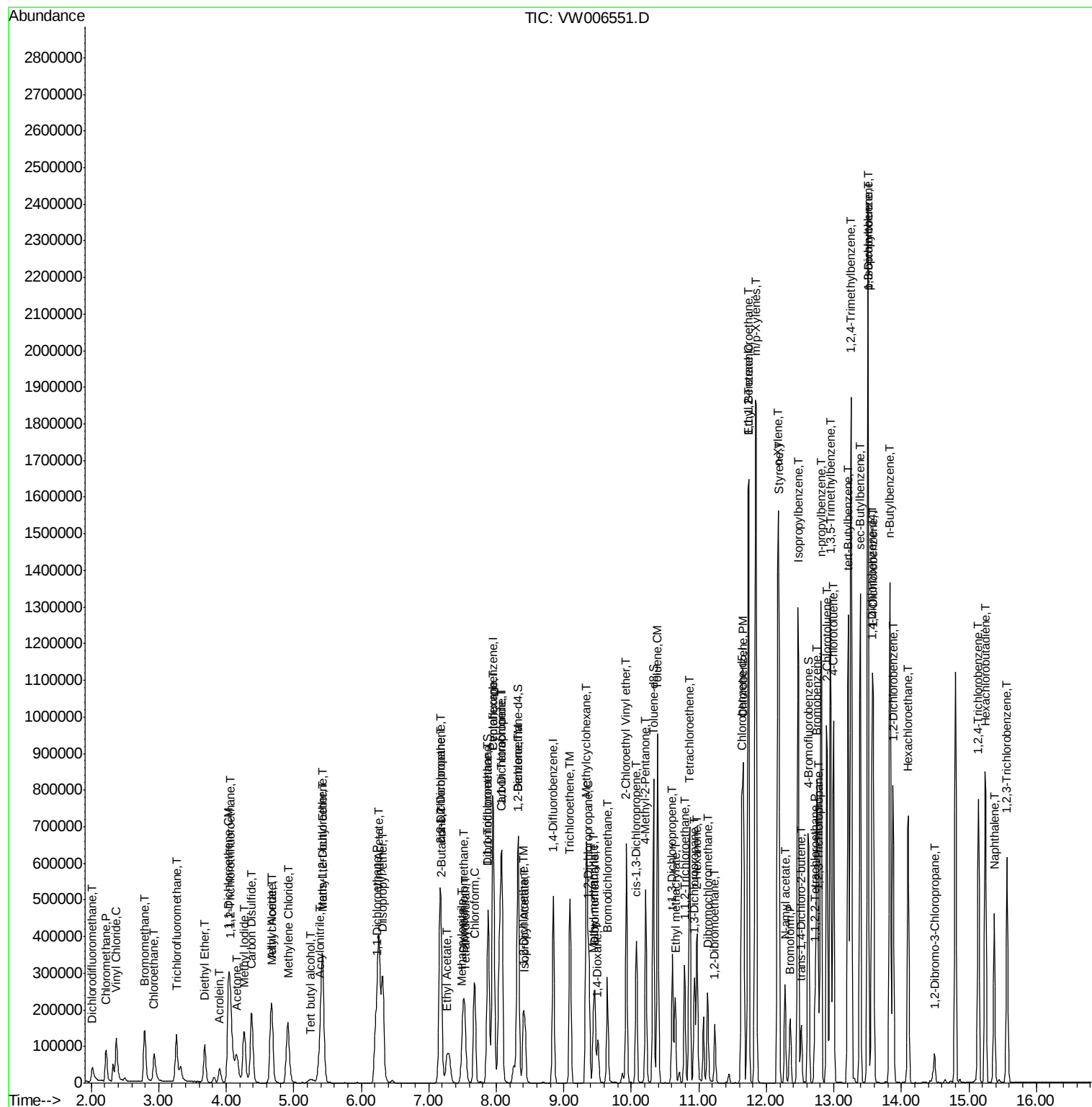
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	278288	52.94	ug/l	100
94) Hexachlorobutadiene	15.24	225	183045	55.88	ug/l	99
95) Naphthalene	15.38	128	418149	49.50	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	234736	50.81	ug/l	100

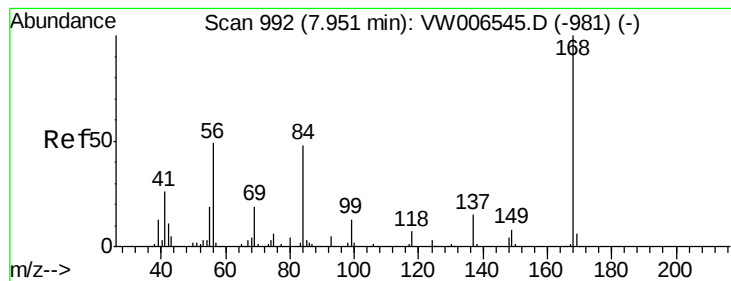
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Acq On : 01 Nov 2018 10:43
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Quant Time: Nov 01 12:45:20 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

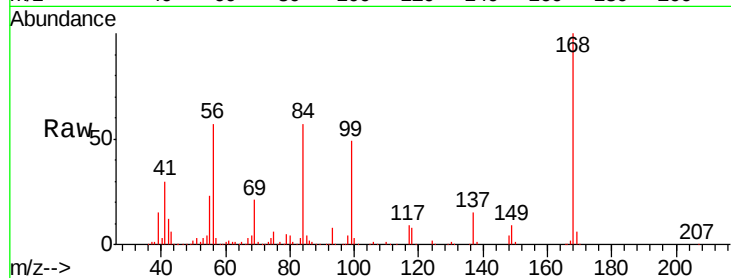
VSTDCCC050

Tgt Ion:168 Resp: 339267

Ion Ratio Lower Upper

168 100

99 48.9 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

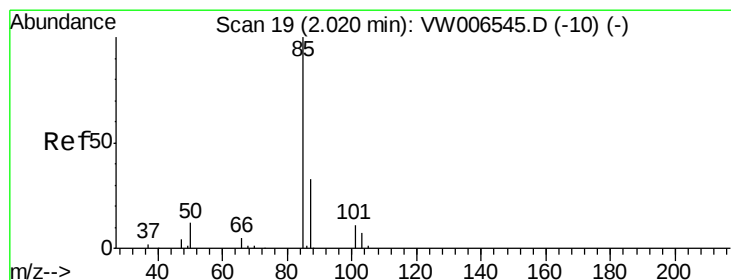
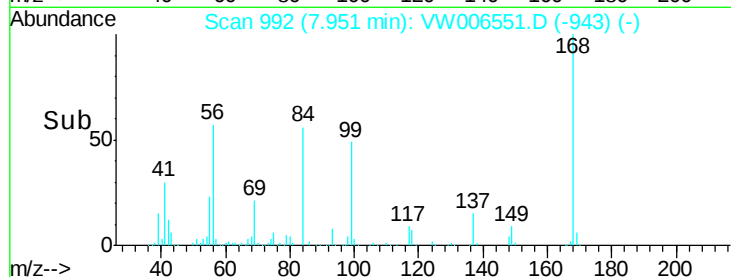
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 52.18 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.00 min

Lab File: VW006551.D

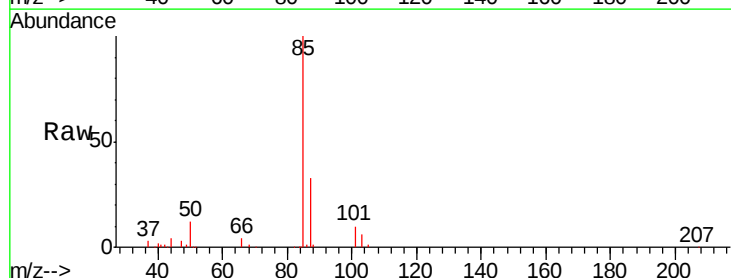
Acq: 01 Nov 2018 10:43

Tgt Ion: 85 Resp: 91768

Ion Ratio Lower Upper

85 100

87 32.9 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.02

25000

20000

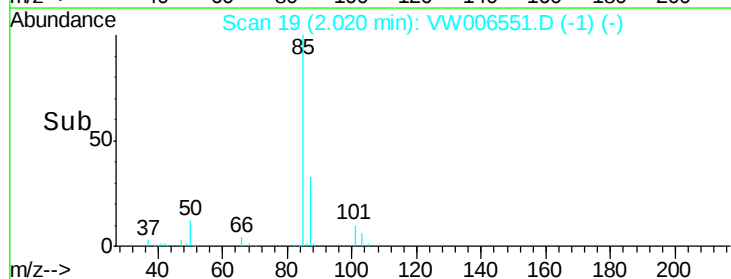
15000

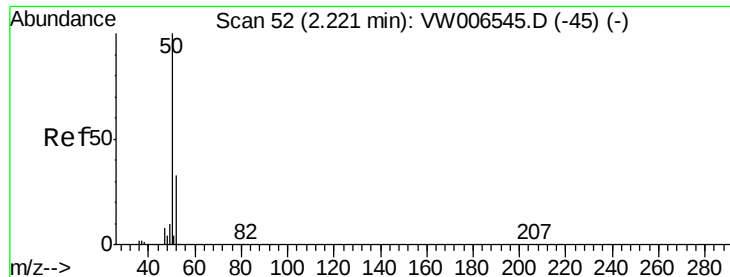
10000

5000

0

Time--> 2.00 2.20





#3

Chloromethane

Concen: 48.56 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

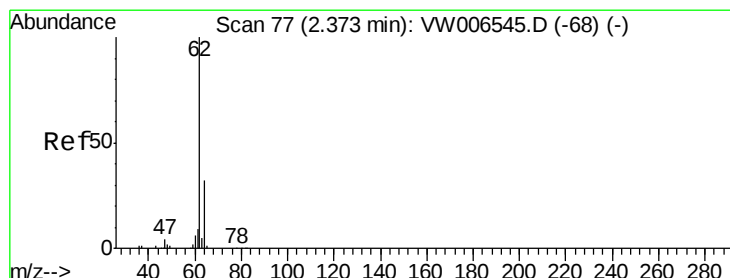
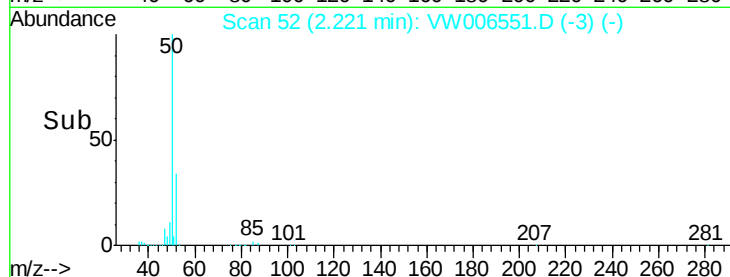
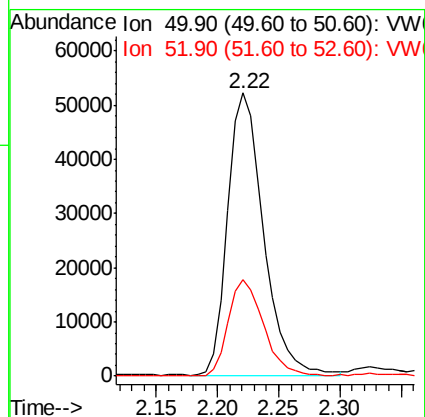
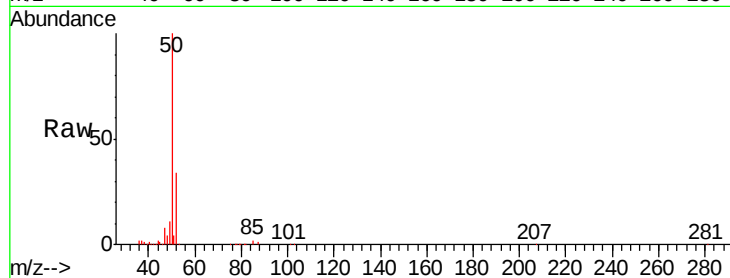
VSTDCCC050

Tgt Ion: 50 Resp: 105661

Ion Ratio Lower Upper

50 100

52 34.0 26.2 39.4



#4

Vinyl Chloride

Concen: 50.73 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW006551.D

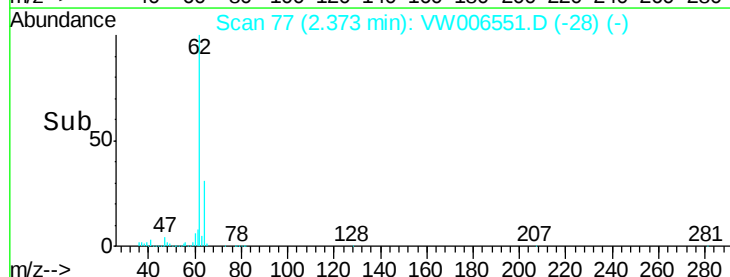
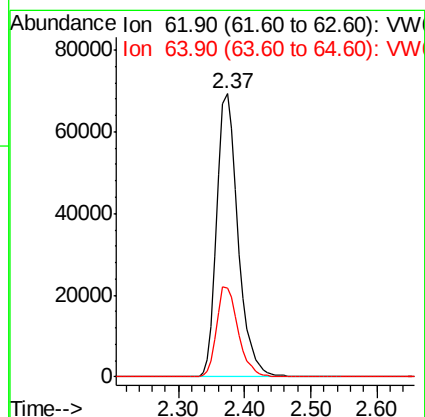
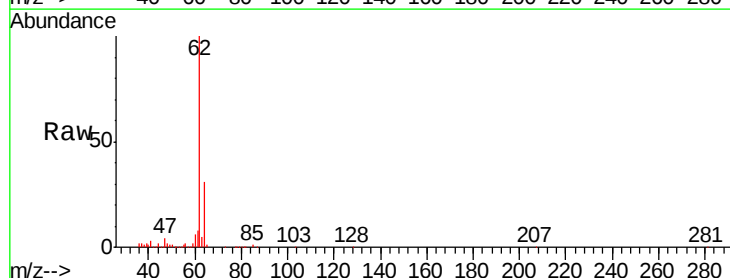
Acq: 01 Nov 2018 10:43

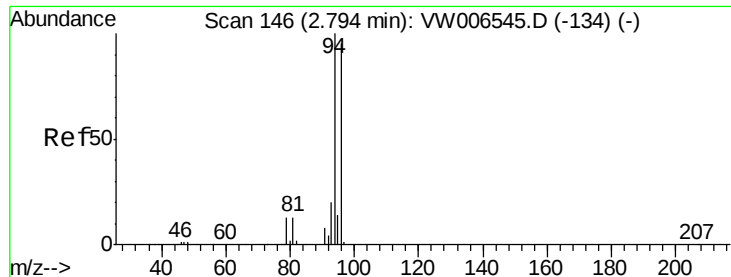
Tgt Ion: 62 Resp: 154142

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.0





#5

Bromomethane

Concen: 47.98 ug/l

RT: 2.79 min Scan# 146

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

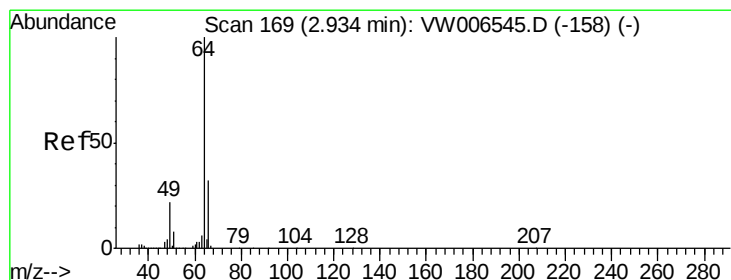
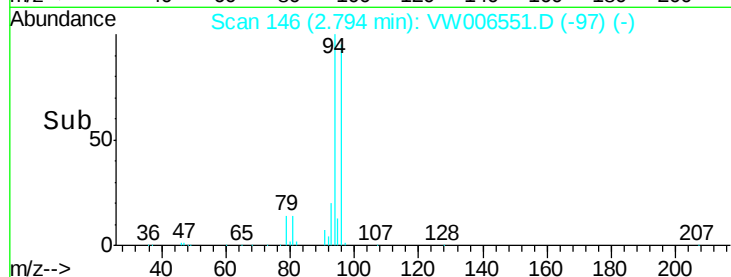
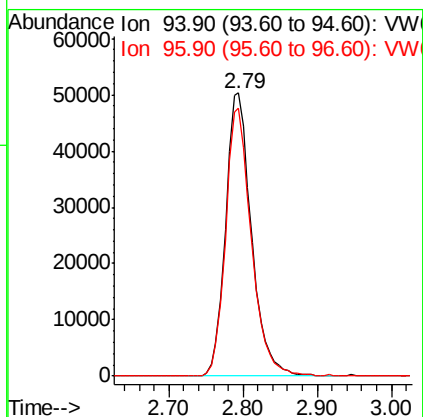
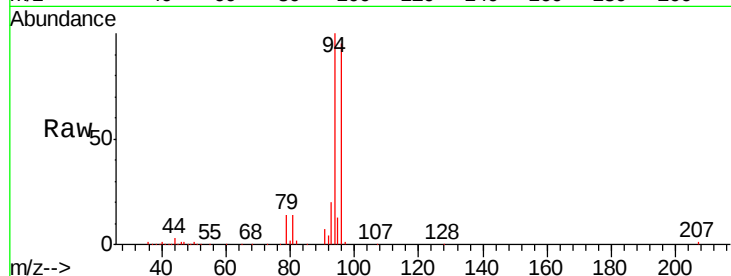
VSTDCCC050

Tgt Ion: 94 Resp: 122346

Ion Ratio Lower Upper

94 100

96 94.6 75.7 113.5



#6

Chloroethane

Concen: 49.38 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW006551.D

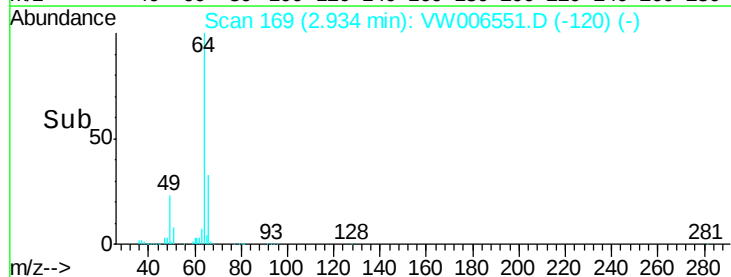
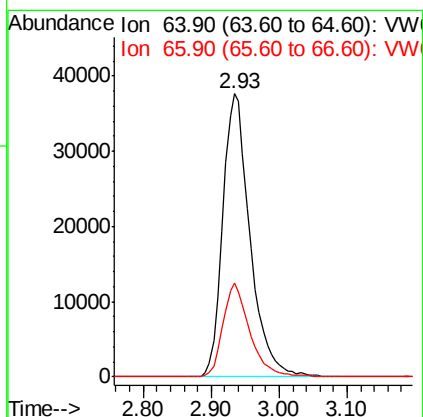
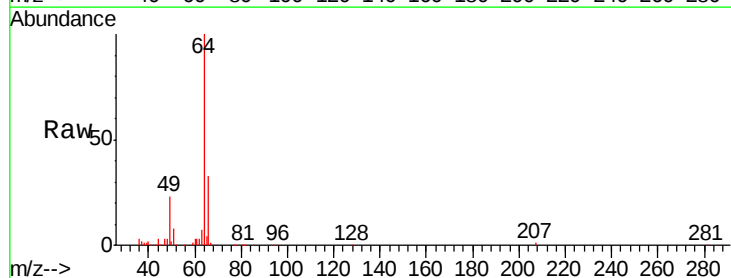
Acq: 01 Nov 2018 10:43

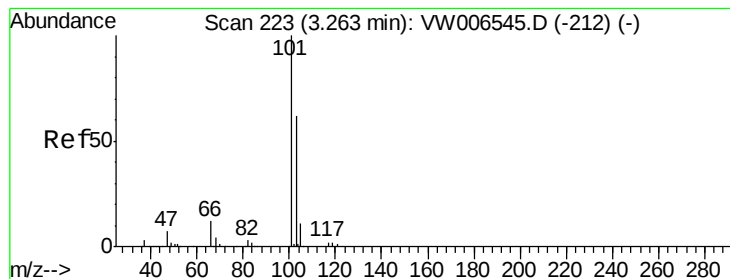
Tgt Ion: 64 Resp: 104832

Ion Ratio Lower Upper

64 100

66 33.2 25.9 38.9





#7

Trichlorofluoromethane

Concen: 55.50 ug/l

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

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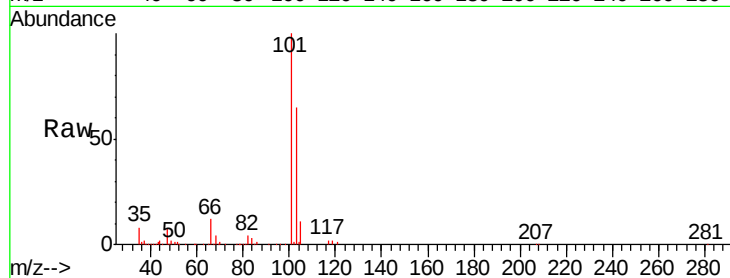
VSTDCCC050

Tgt Ion: 101 Resp: 148912

Ion Ratio Lower Upper

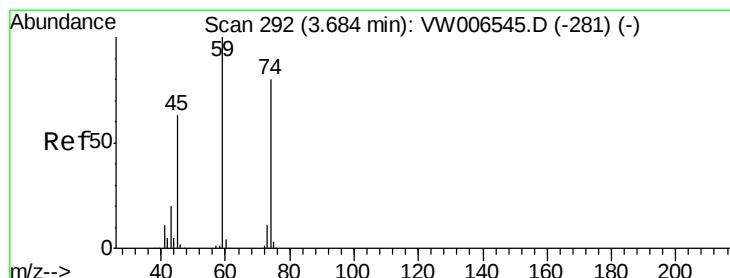
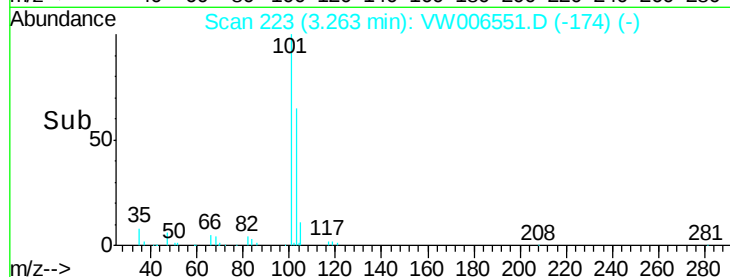
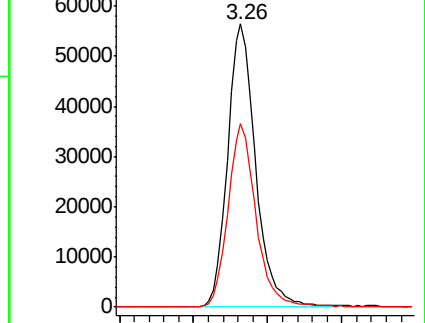
101 100

103 64.9 49.8 74.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 43.60 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW006551.D

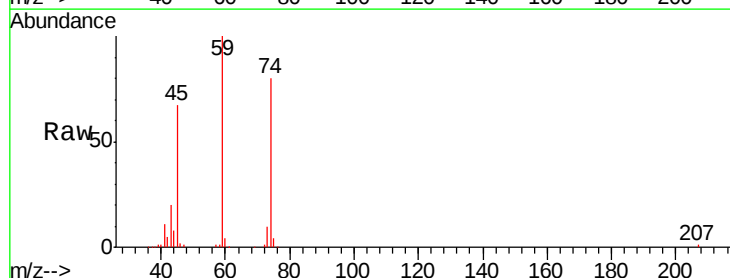
Acq: 01 Nov 2018 10:43

Tgt Ion: 74 Resp: 63946

Ion Ratio Lower Upper

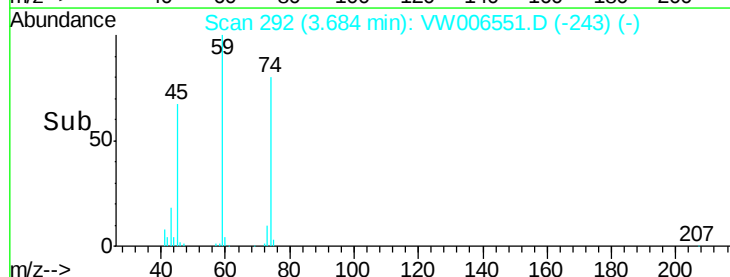
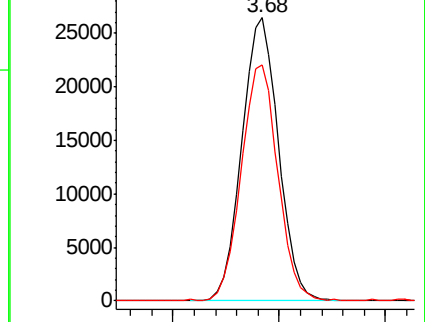
74 100

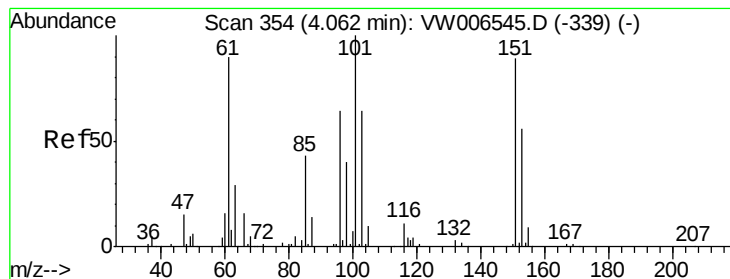
45 83.6 41.1 123.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.91 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

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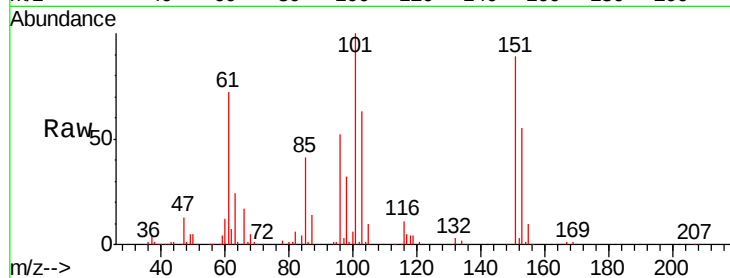
Tgt Ion:101 Resp: 151601

Ion Ratio Lower Upper

101 100

85 42.6 34.2 51.2

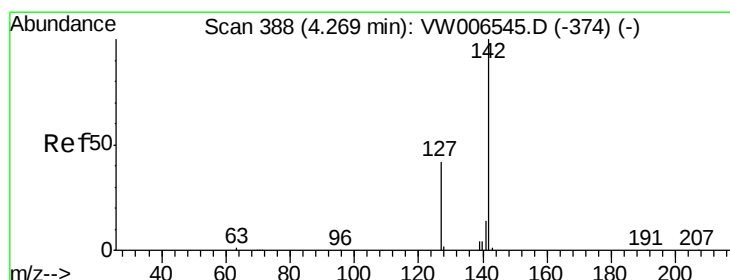
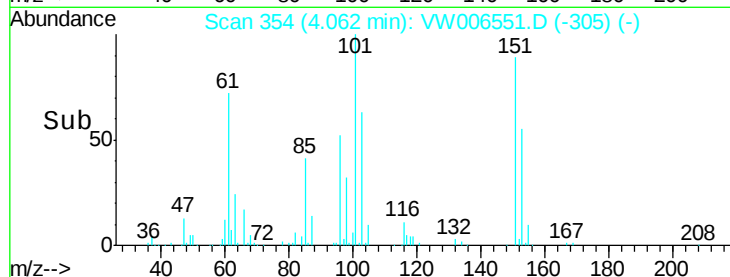
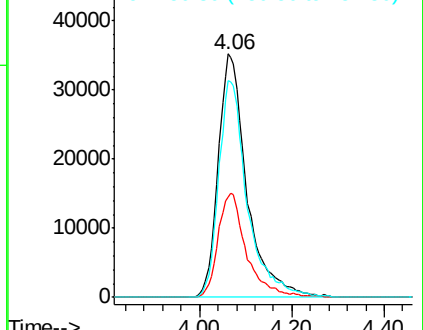
151 89.2 70.7 106.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.70 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

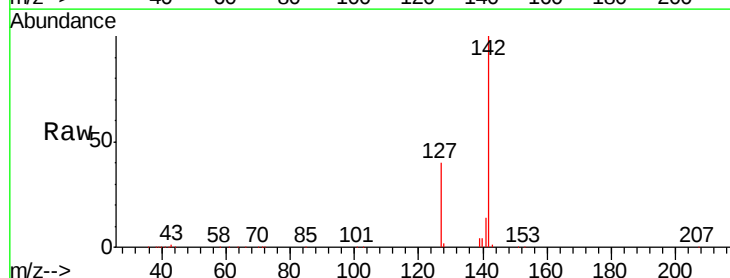
Tgt Ion:142 Resp: 258208

Ion Ratio Lower Upper

142 100

127 40.6 32.3 48.5

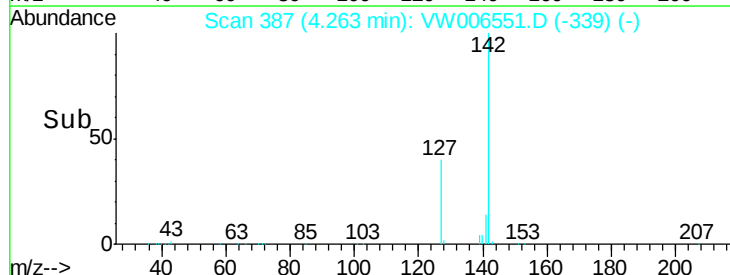
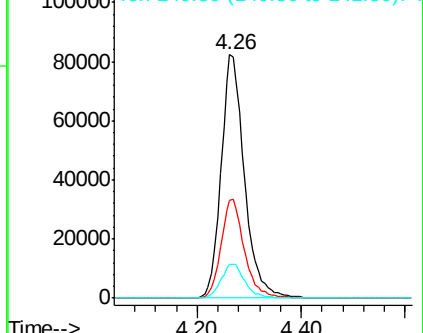
141 14.2 11.3 16.9

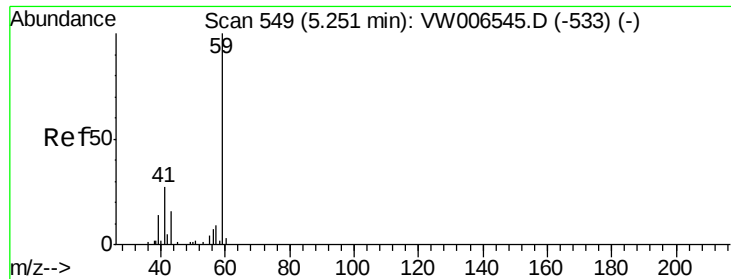


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



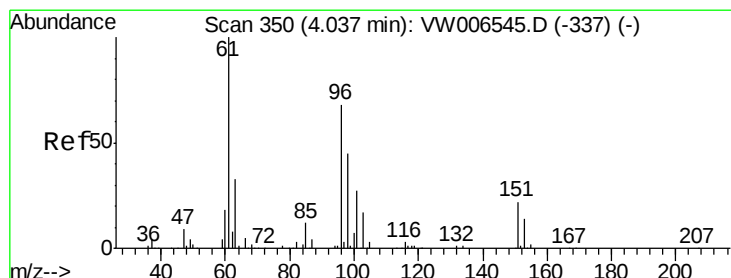
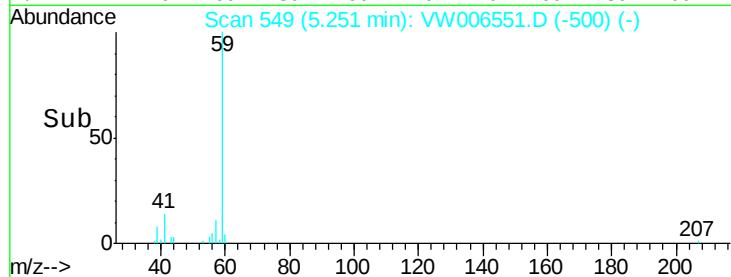
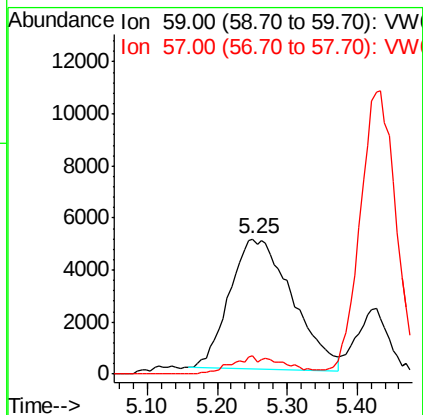
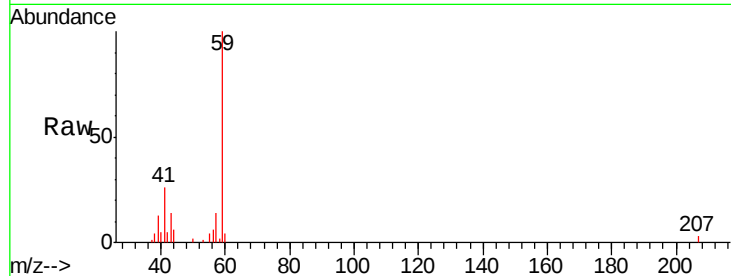


#11

Tert butyl alcohol
 Concen: 200.22 ug/l
 RT: 5.25 min Scan# 549
 Delta R.T. 0.00 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

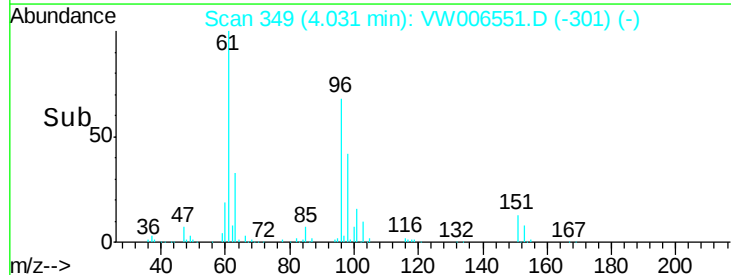
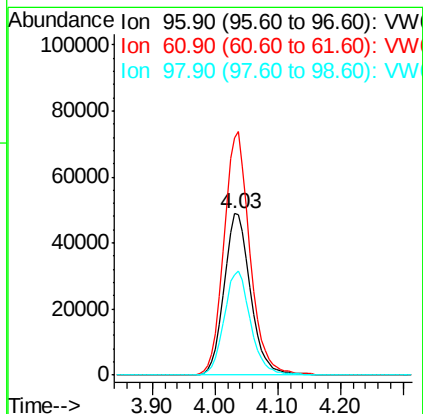
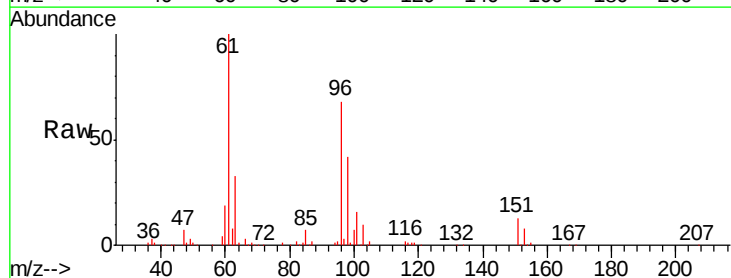
Tgt Ion: 59 Resp: 31461
 Ion Ratio Lower Upper
 59 100
 57 5.7 4.3 6.5

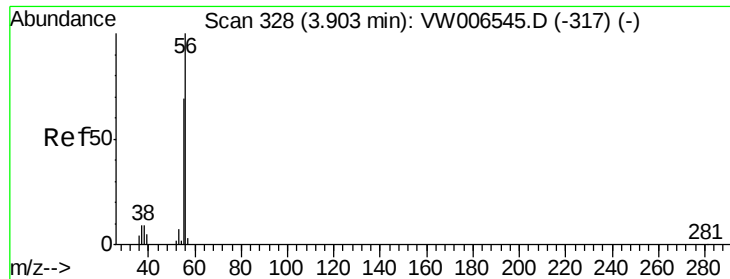


#12

1,1-Dichloroethene
 Concen: 51.71 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

Tgt Ion: 96 Resp: 143099
 Ion Ratio Lower Upper
 96 100
 61 147.5 117.0 175.4
 98 62.3 52.5 78.7





#13

Acrolein

Concen: 258.83 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

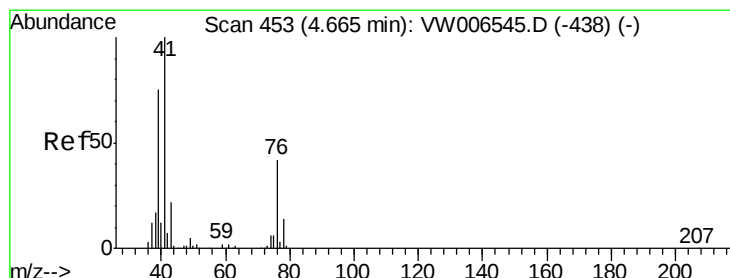
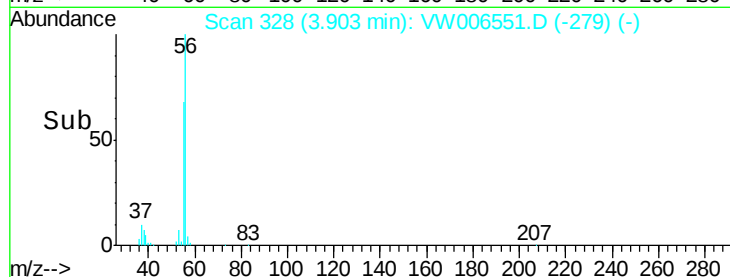
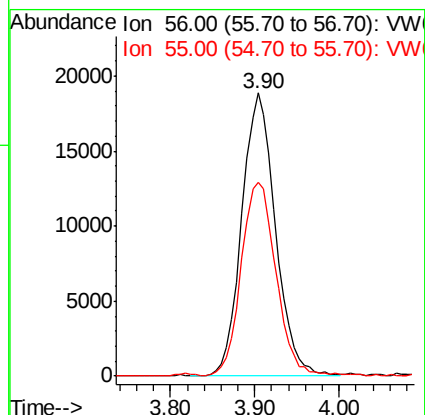
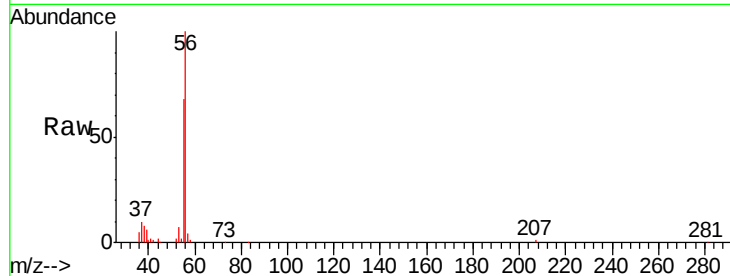
VSTDCCC050

Tgt Ion: 56 Resp: 51152

Ion Ratio Lower Upper

56 100

55 70.6 56.9 85.3



#14

Allyl chloride

Concen: 51.28 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

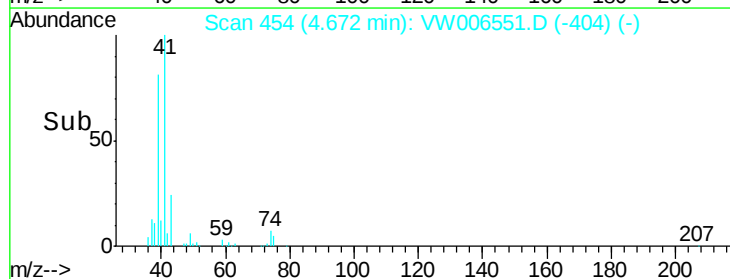
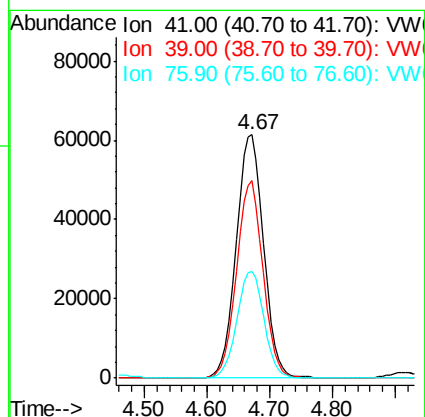
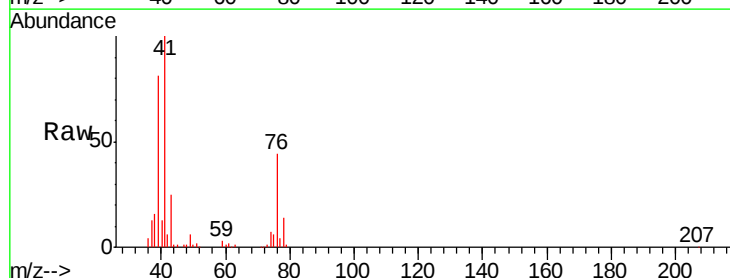
Tgt Ion: 41 Resp: 185244

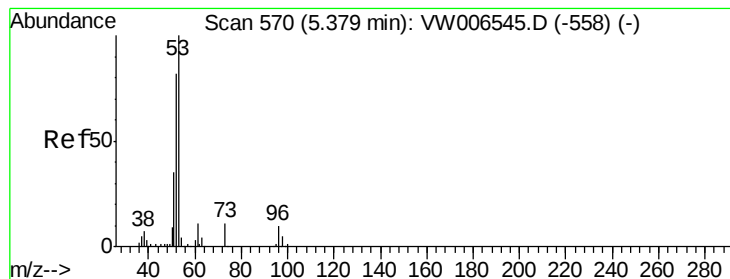
Ion Ratio Lower Upper

41 100

39 78.0 62.1 93.1

76 43.4 34.2 51.2





#15

Acrylonitrile

Concen: 214.80 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

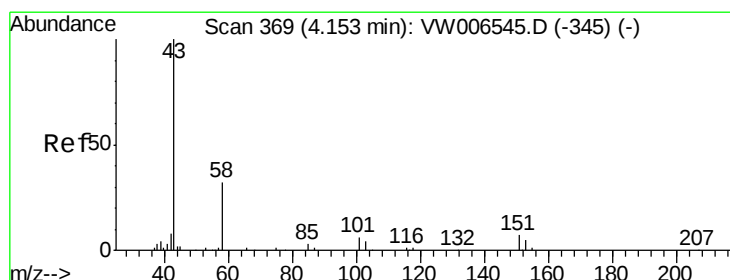
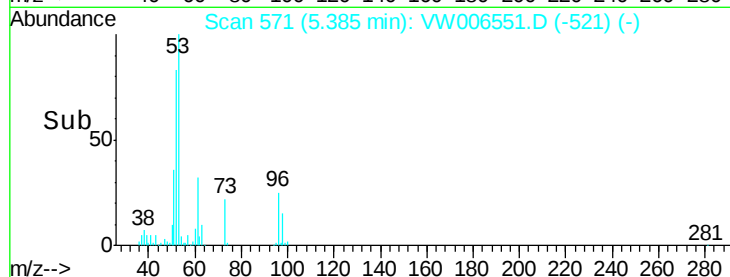
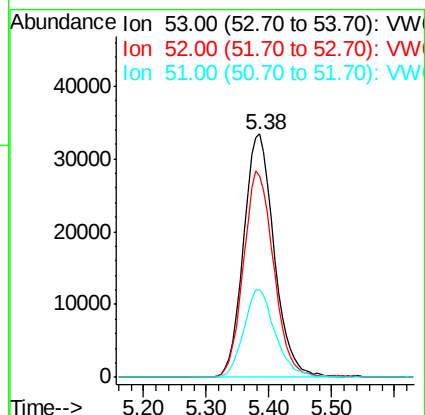
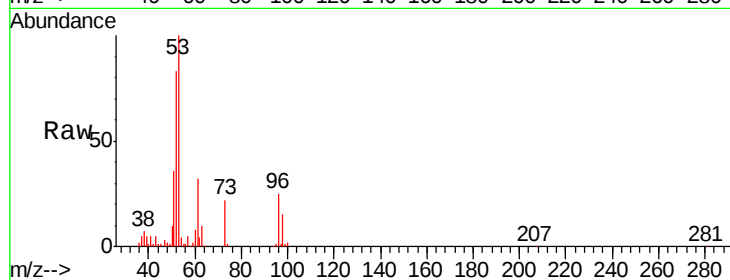
Tgt Ion: 53 Resp: 112963

Ion Ratio Lower Upper

53 100

52 83.3 65.8 98.8

51 37.1 29.6 44.4



#16

Acetone

Concen: 283.59 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.00 min

Lab File: VW006551.D

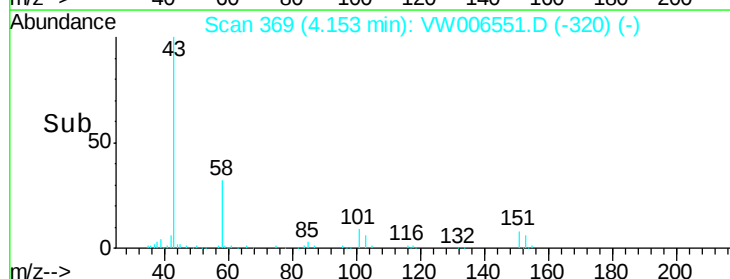
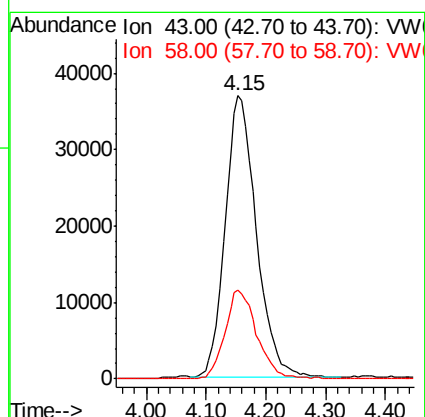
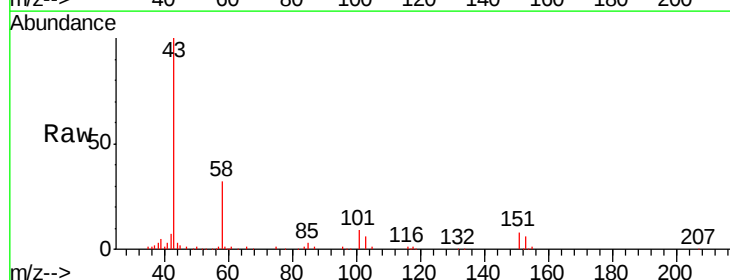
Acq: 01 Nov 2018 10:43

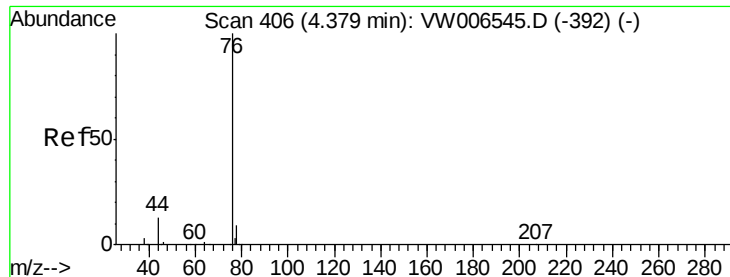
Tgt Ion: 43 Resp: 133523

Ion Ratio Lower Upper

43 100

58 31.6 25.8 38.8

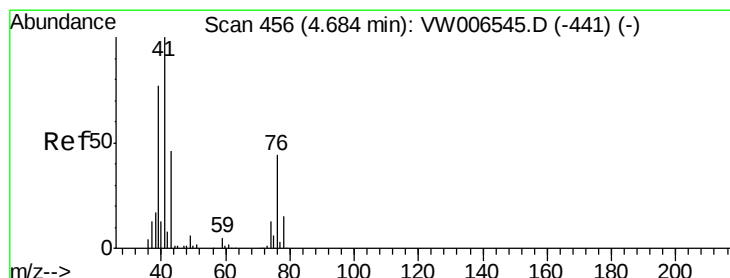
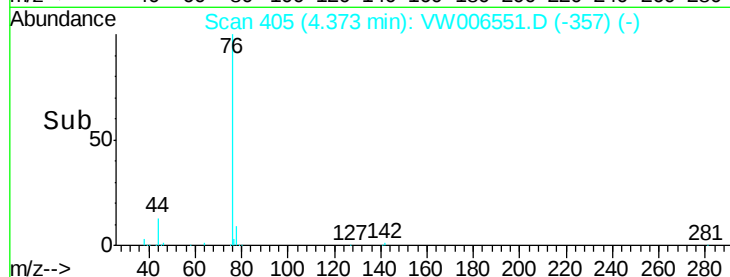
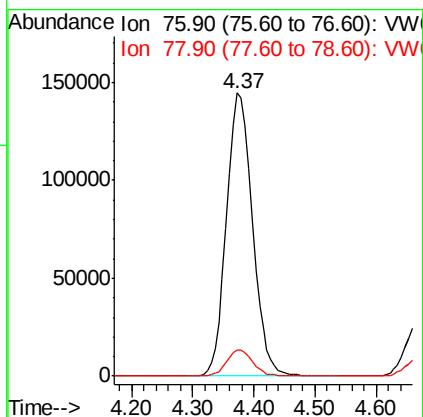
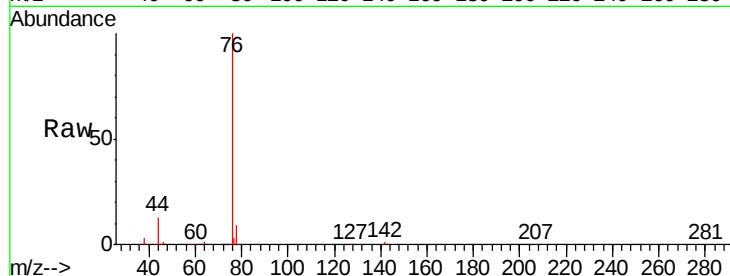




#17
Carbon Disulfide
Concen: 53.86 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

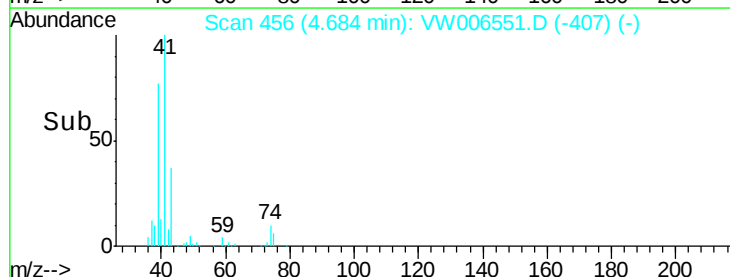
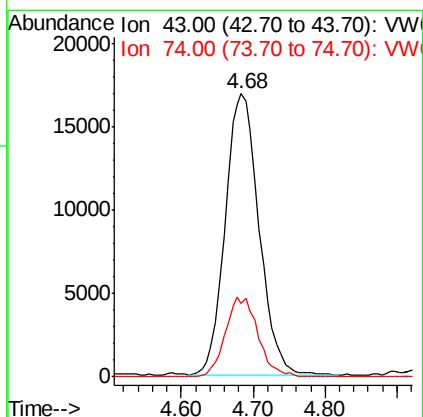
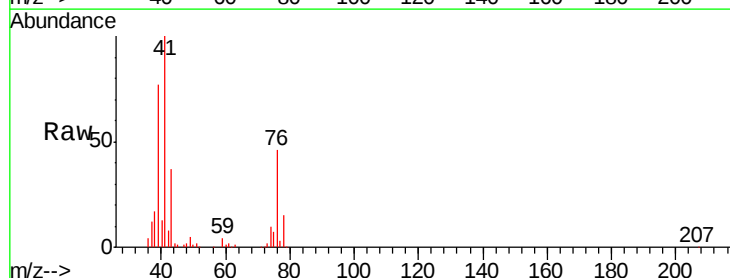
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

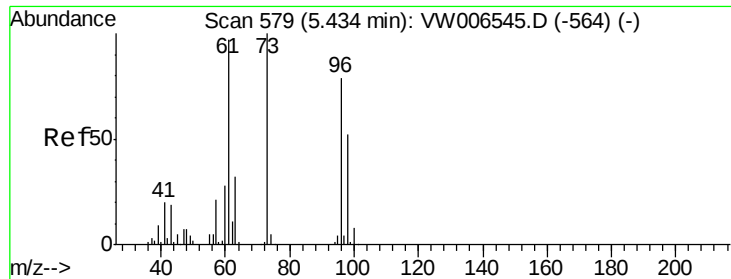
Tgt Ion: 76 Resp: 424185
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 40.61 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion: 43 Resp: 54989
Ion Ratio Lower Upper
43 100
74 27.3 21.9 32.9

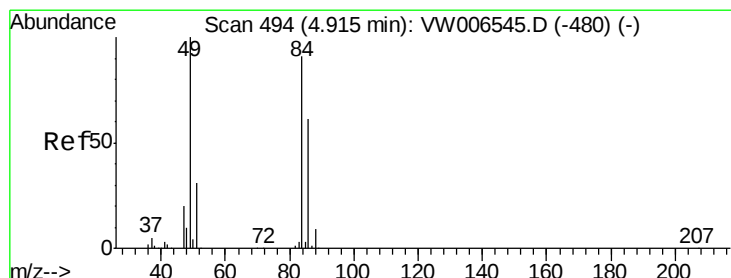
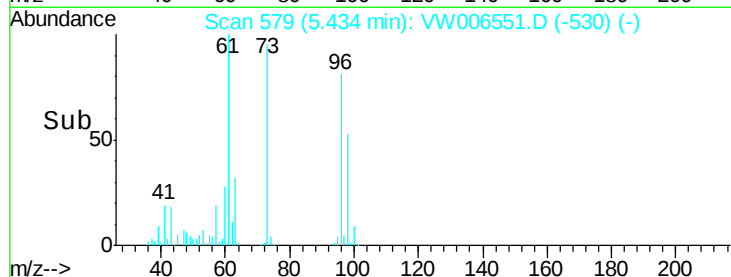
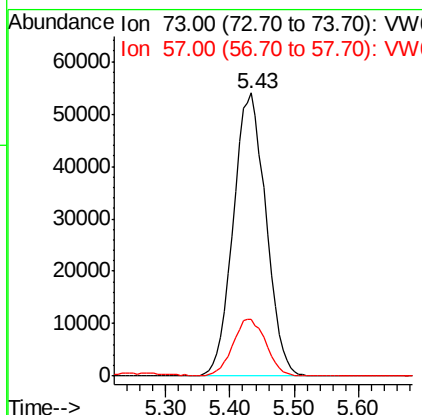
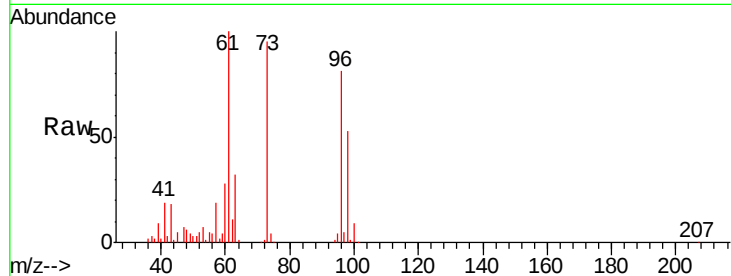




#19
Methyl tert-butyl Ether
Concen: 46.06 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

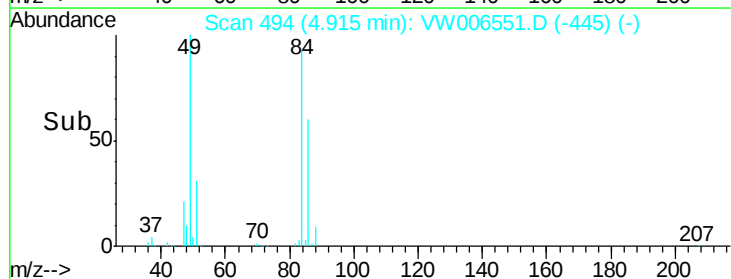
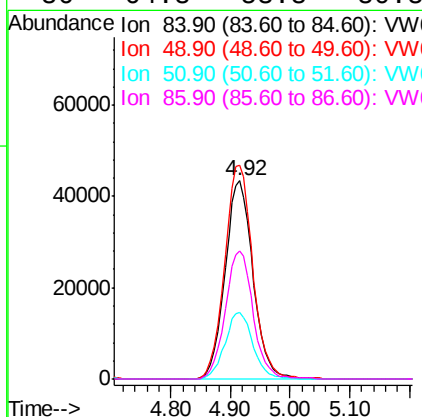
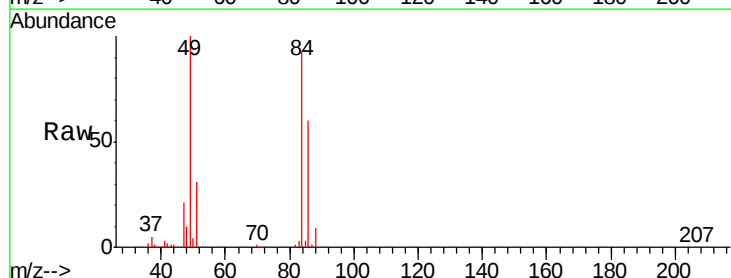
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

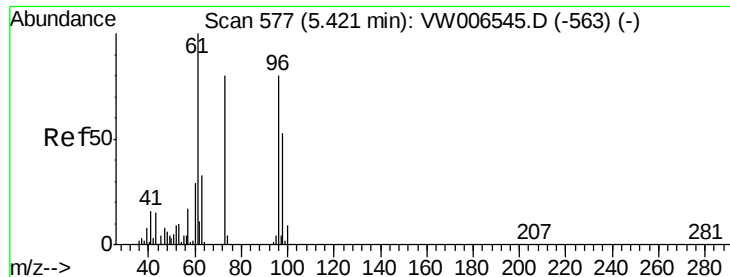
Tgt Ion: 73 Resp: 189739
Ion Ratio Lower Upper
73 100
57 20.2 16.7 25.1



#20
Methylene Chloride
Concen: 45.87 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion: 84 Resp: 141482
Ion Ratio Lower Upper
84 100
49 107.9 88.2 132.4
51 33.4 27.0 40.6
86 64.8 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 50.59 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

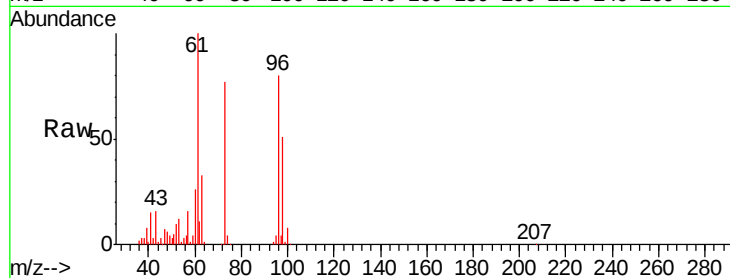
Tgt Ion: 96 Resp: 158409

Ion Ratio Lower Upper

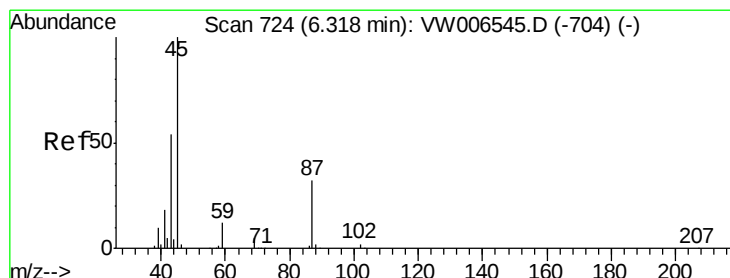
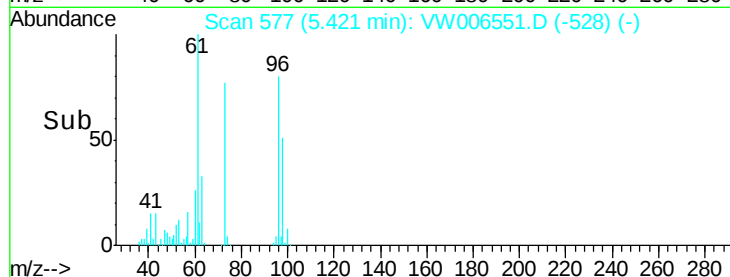
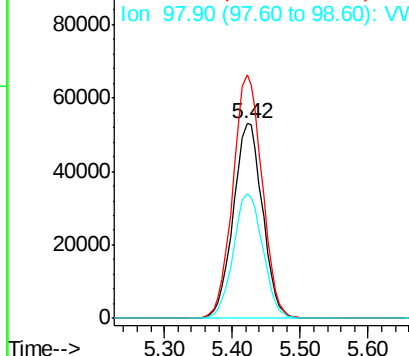
96 100

61 125.0 100.6 150.8

98 64.2 52.9 79.3



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



#22

Diisopropyl ether

Concen: 47.75 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Tgt Ion: 45 Resp: 359554

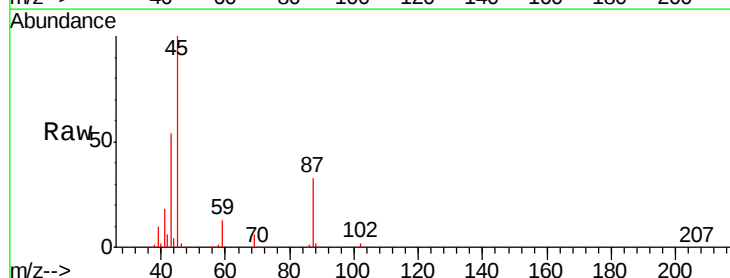
Ion Ratio Lower Upper

45 100

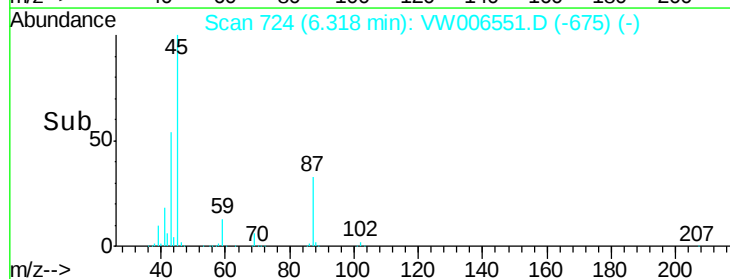
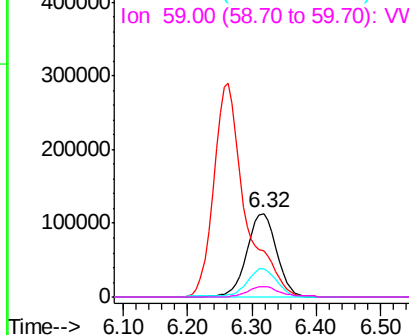
43 53.9 43.6 65.4

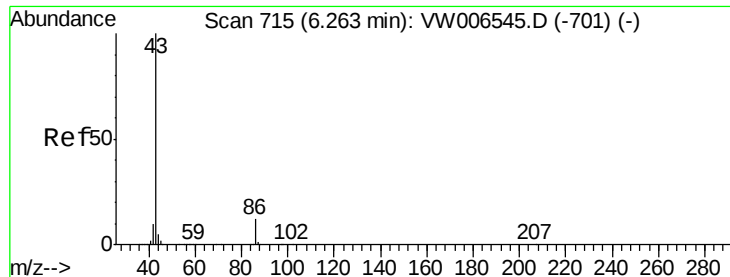
87 33.1 26.3 39.5

59 12.4 9.8 14.8



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





#23

Vinyl Acetate

Concen: 236.20 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

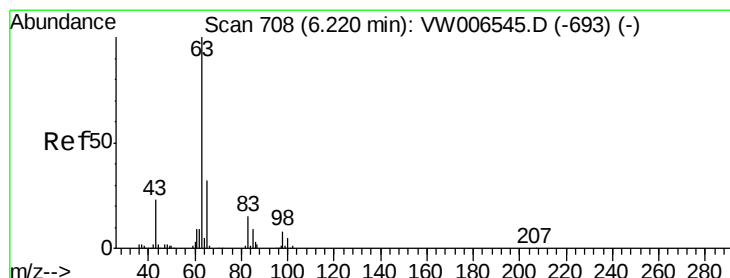
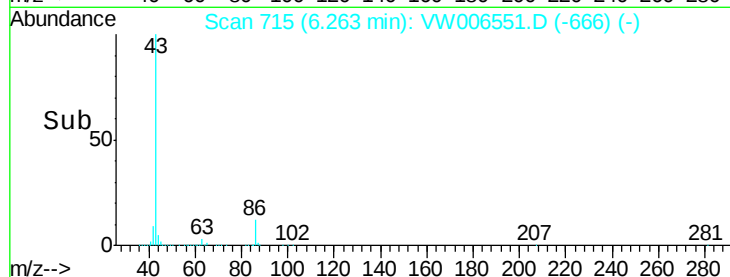
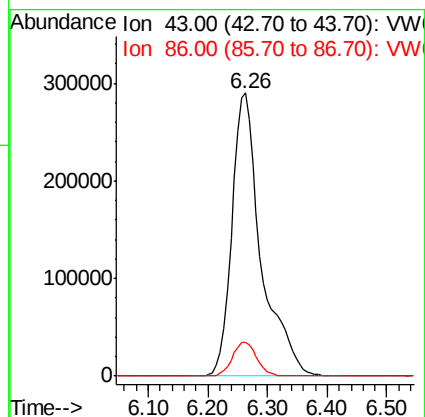
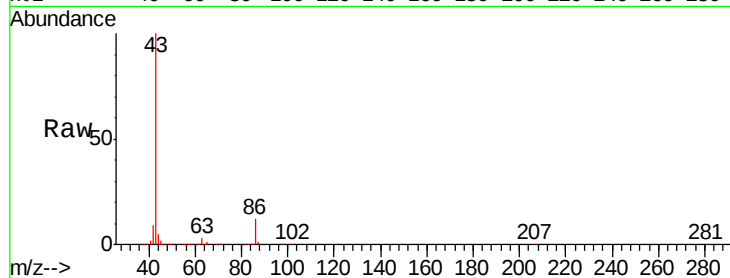
VSTDCCC050

Tgt Ion: 43 Resp: 986389

Ion Ratio Lower Upper

43 100

86 12.2 9.8 14.8



#24

1,1-Dichloroethane

Concen: 48.72 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

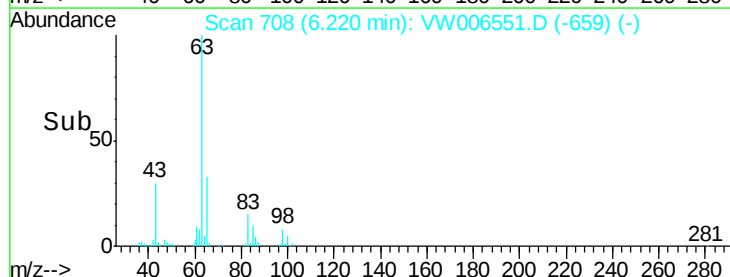
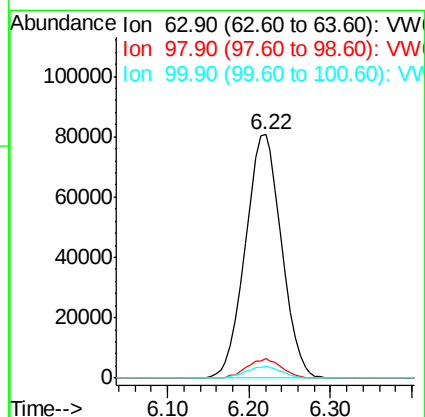
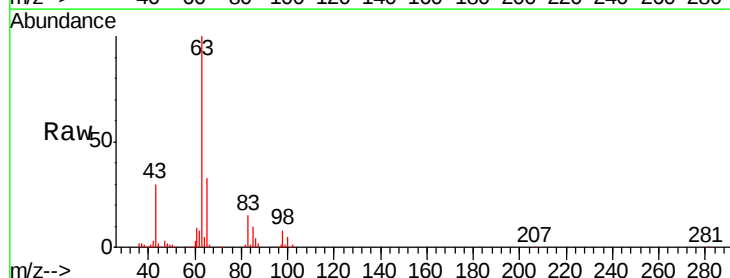
Tgt Ion: 63 Resp: 248642

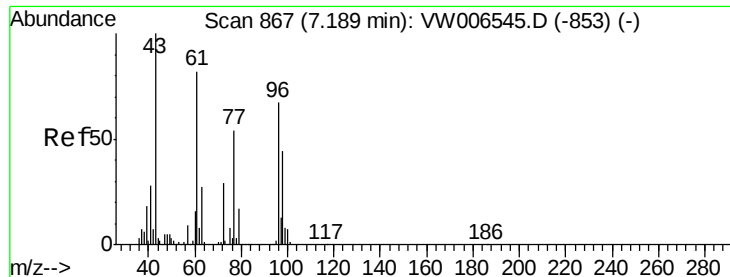
Ion Ratio Lower Upper

63 100

98 7.9 3.8 11.4

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 233.29 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

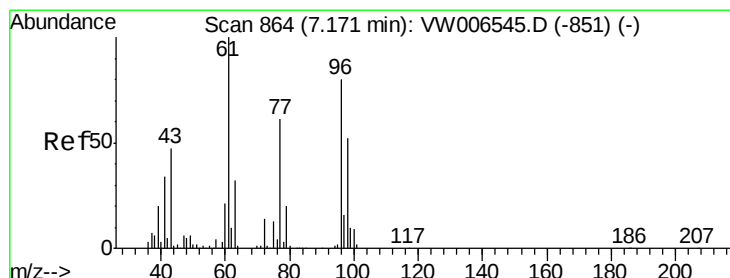
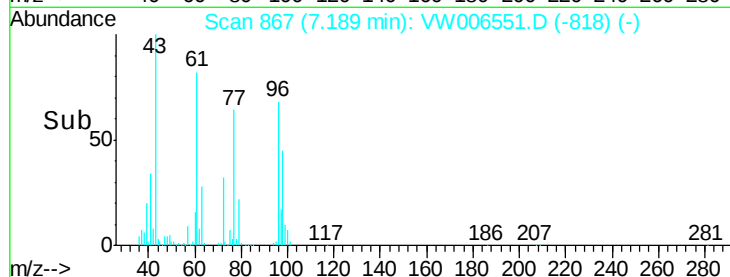
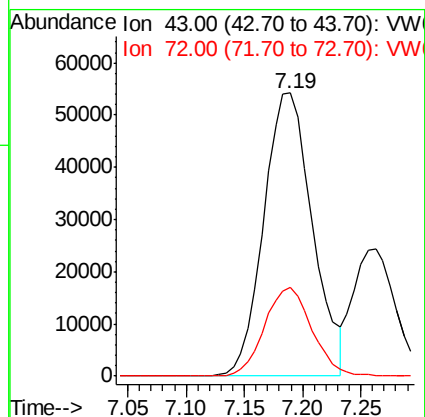
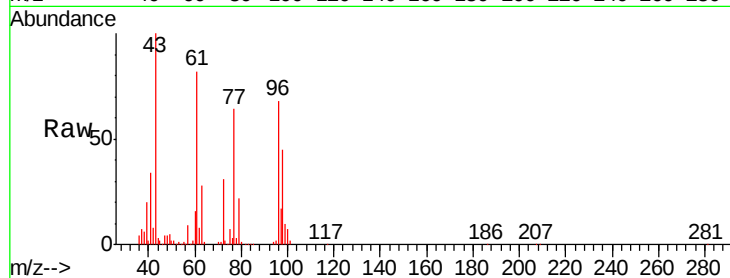
VSTDCCC050

Tgt Ion: 43 Resp: 156742

Ion Ratio Lower Upper

43 100

72 31.5 23.2 34.8



#26

2,2-Dichloropropane

Concen: 57.40 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006551.D

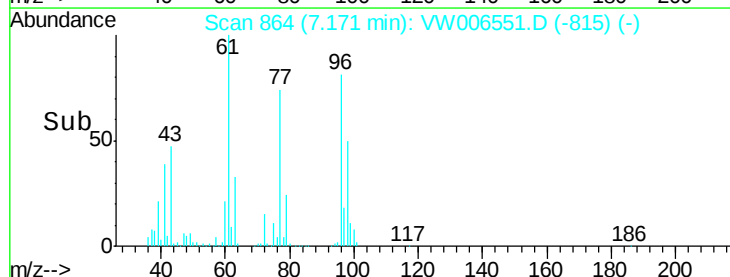
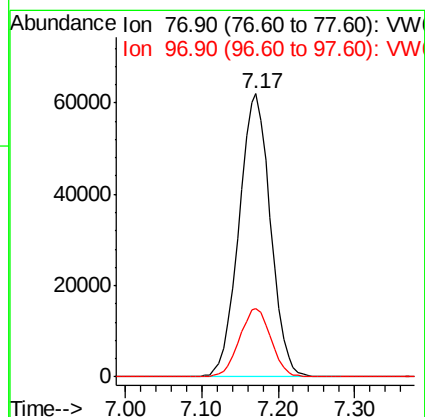
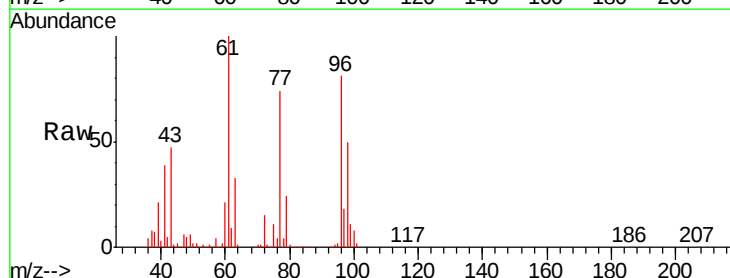
Acq: 01 Nov 2018 10:43

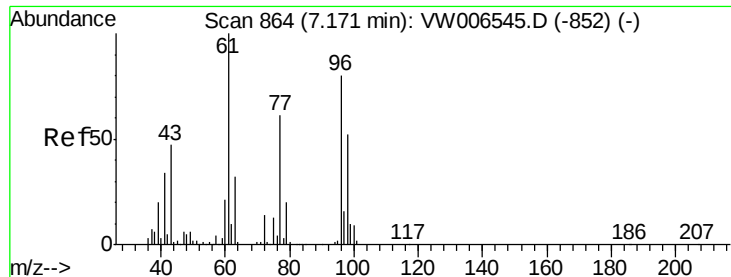
Tgt Ion: 77 Resp: 176481

Ion Ratio Lower Upper

77 100

97 24.3 12.8 38.4



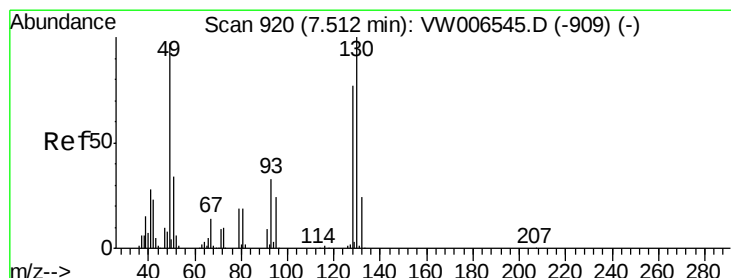
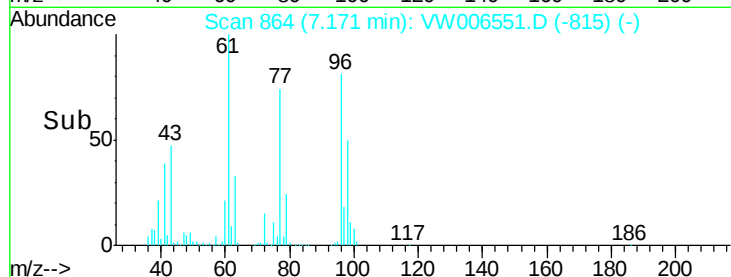
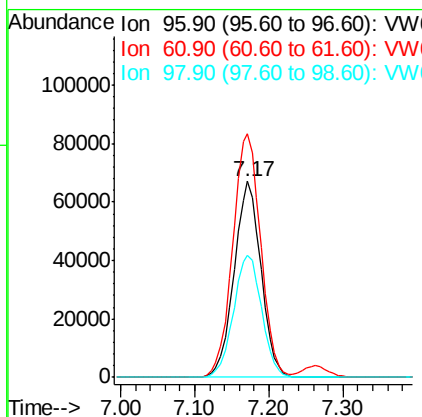
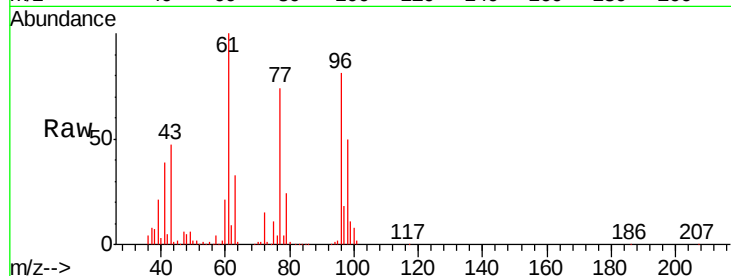


#27

cis-1,2-Dichloroethene
 Concen: 48.38 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

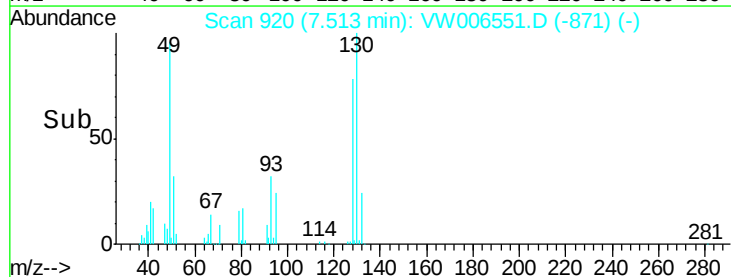
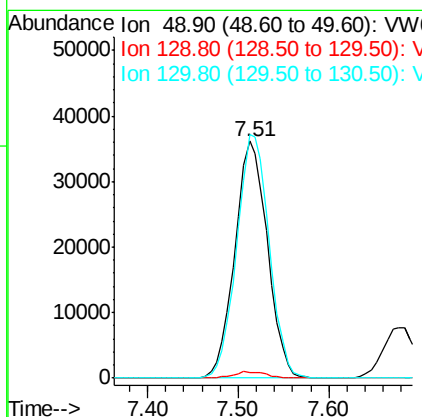
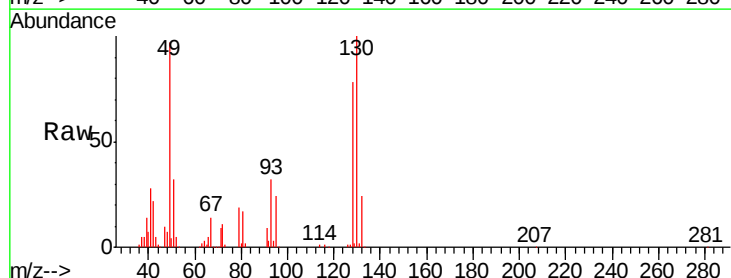
Tgt Ion: 96 Resp: 169490
 Ion Ratio Lower Upper
 96 100
 61 129.4 0.0 254.2
 98 65.2 0.0 129.6

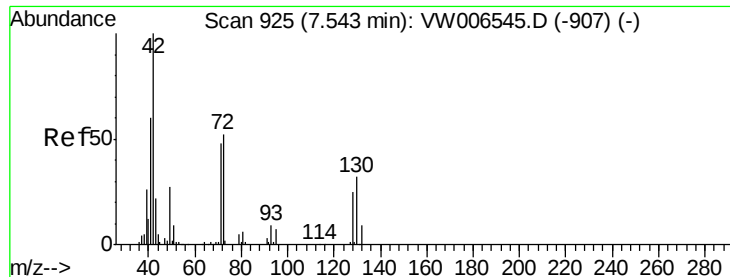


#28

Bromochloromethane
 Concen: 44.43 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

Tgt Ion: 49 Resp: 90037
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 5.6
 130 102.2 82.2 123.2





#29

Tetrahydrofuran

Concen: 211.14 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

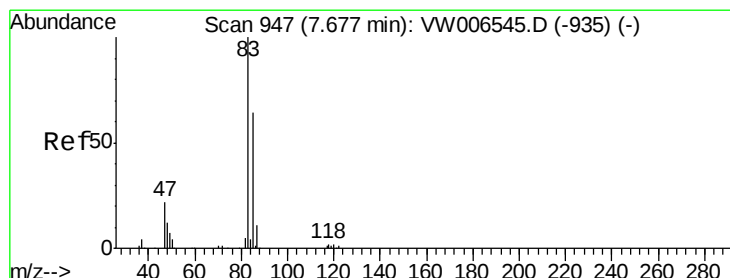
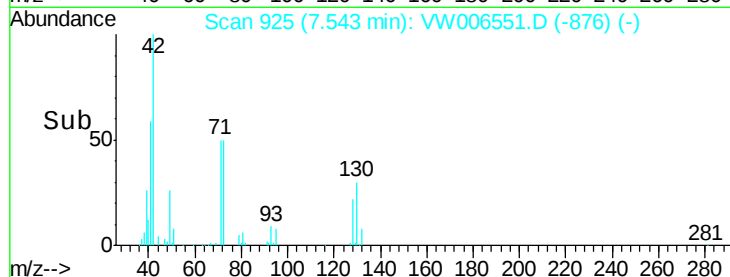
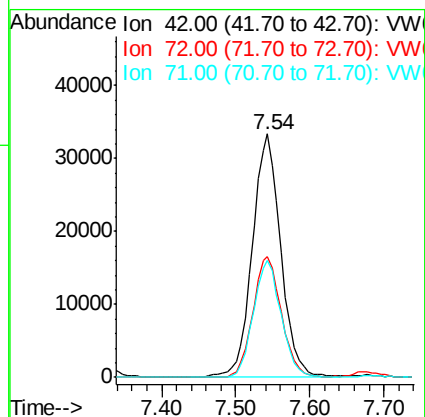
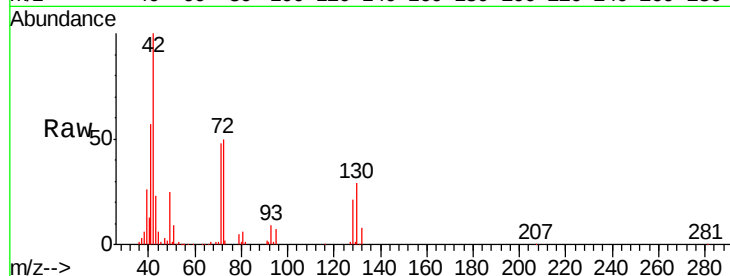
Tgt Ion: 42 Resp: 89225

Ion Ratio Lower Upper

42 100

72 49.6 39.2 58.8

71 47.1 37.6 56.4



#30

Chloroform

Concen: 48.49 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW006551.D

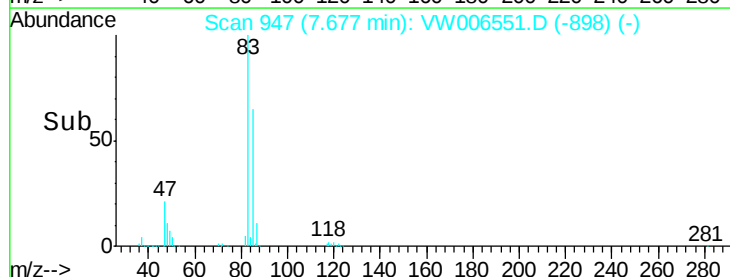
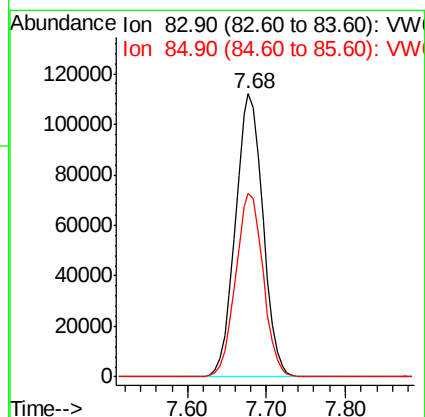
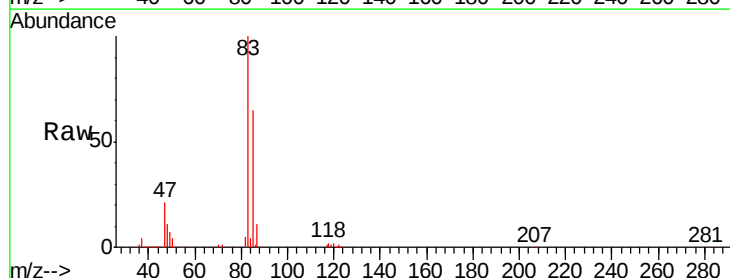
Acq: 01 Nov 2018 10:43

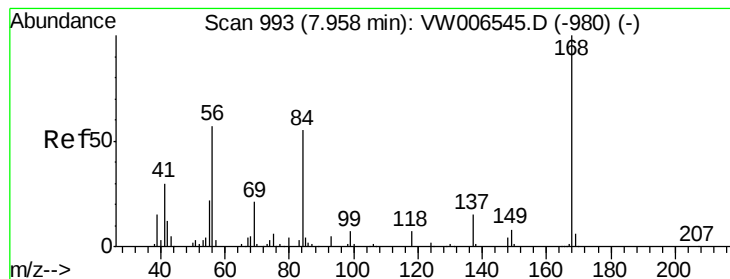
Tgt Ion: 83 Resp: 271323

Ion Ratio Lower Upper

83 100

85 64.7 51.3 76.9





#31

Cyclohexane

Concen: 49.82 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

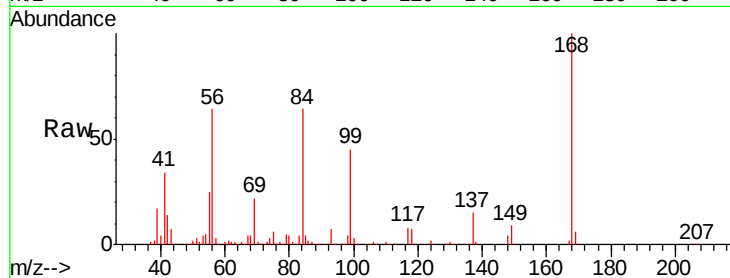
Tgt Ion: 56 Resp: 231406

Ion Ratio Lower Upper

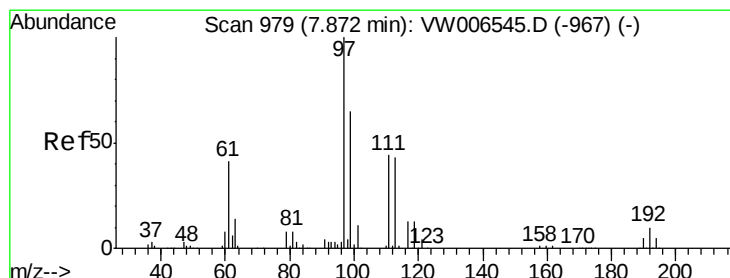
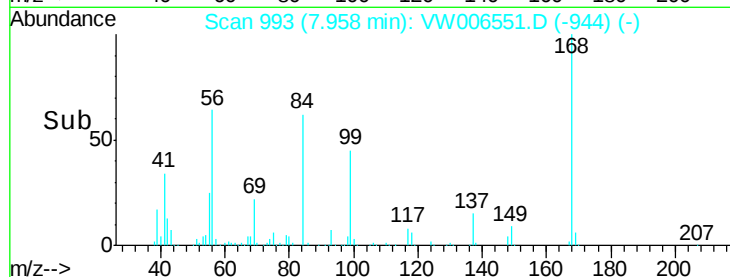
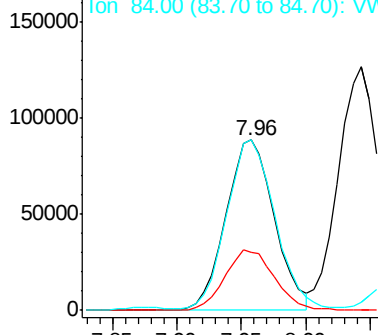
56 100

69 34.1 29.0 43.4

84 98.6 77.8 116.6



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: 52.13 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

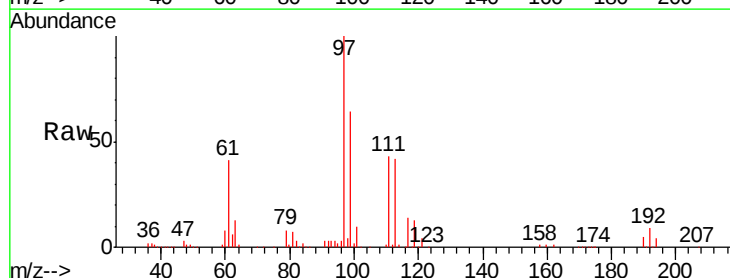
Tgt Ion: 97 Resp: 246832

Ion Ratio Lower Upper

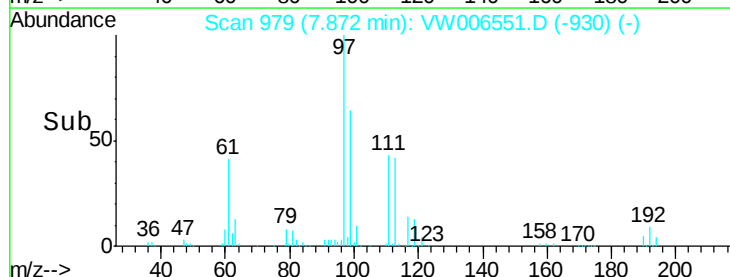
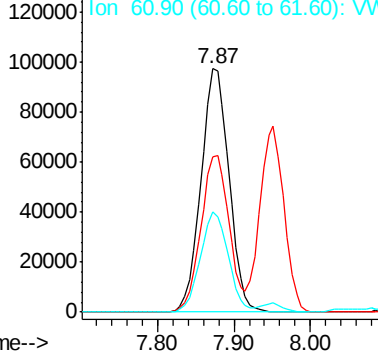
97 100

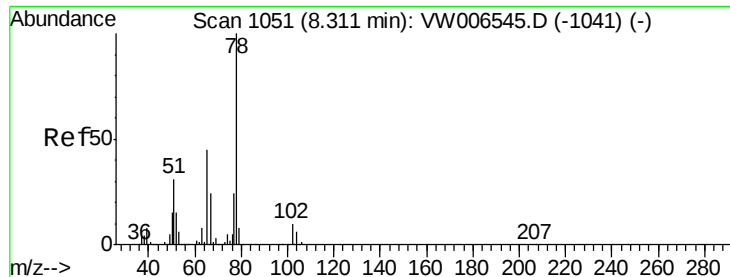
99 65.0 51.7 77.5

61 41.1 32.9 49.3



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

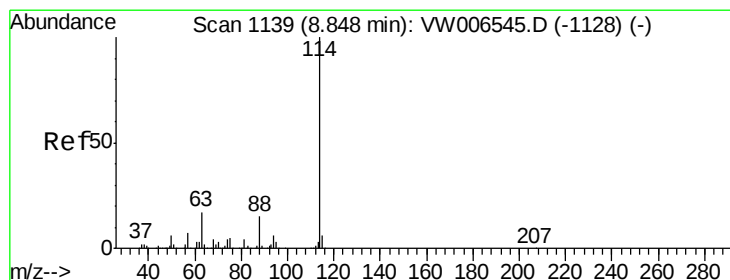
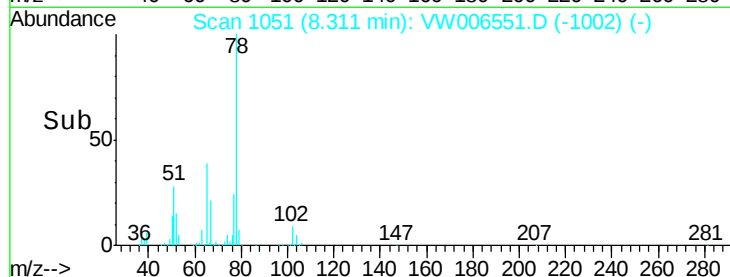
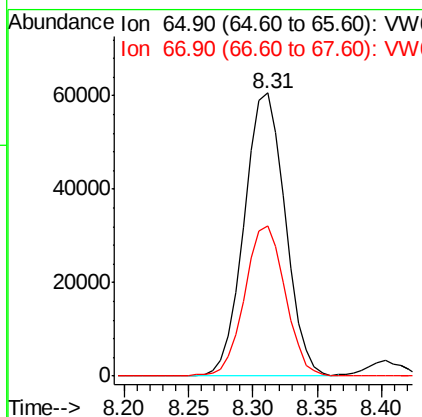
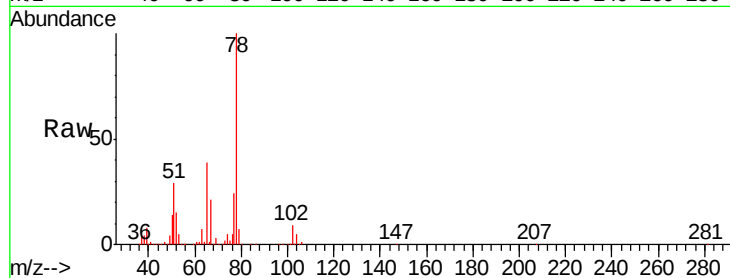




#33
 1,2-Dichloroethane-d4
 Concen: 45.78 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

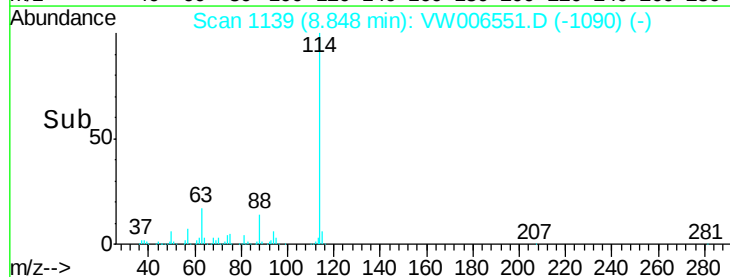
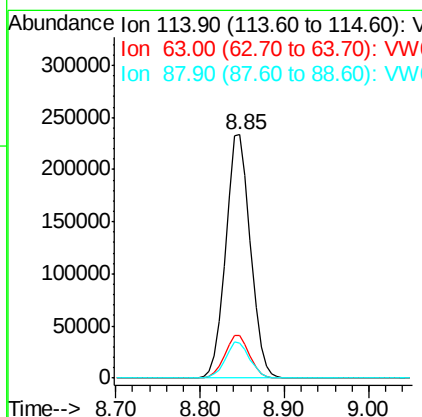
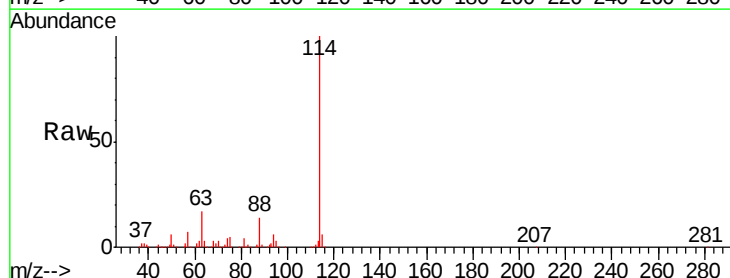
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

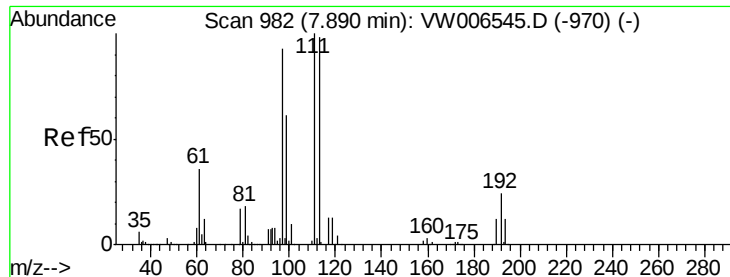
Tgt Ion: 65 Resp: 133513
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

Tgt Ion: 114 Resp: 465849
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 34.4
 88 14.4 0.0 29.0





#35

Dibromofluoromethane

Concen: 51.23 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

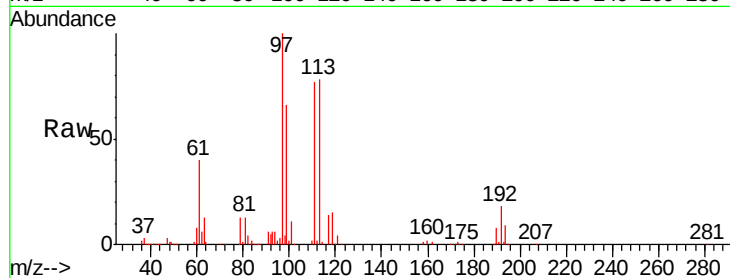
Tgt Ion: 113 Resp: 149788

Ion Ratio Lower Upper

113 100

111 101.4 82.2 123.2

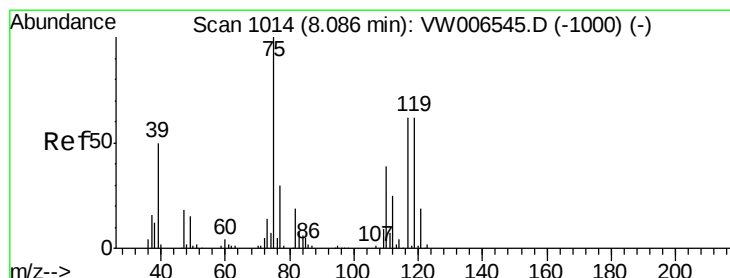
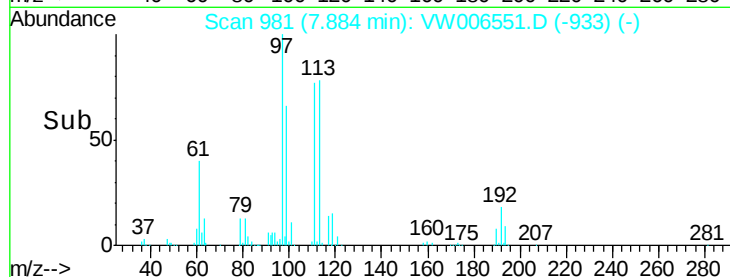
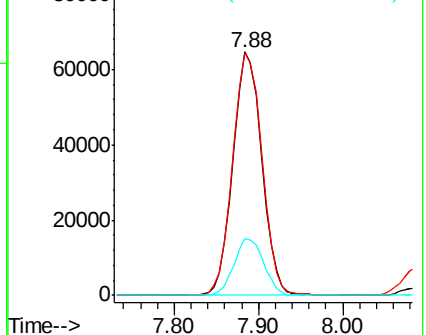
192 23.8 19.0 28.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 53.44 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

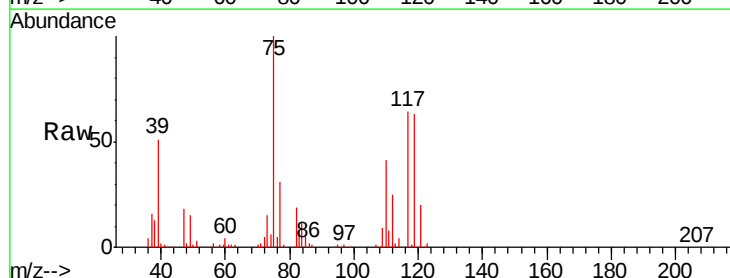
Tgt Ion: 75 Resp: 218940

Ion Ratio Lower Upper

75 100

110 39.7 19.5 58.5

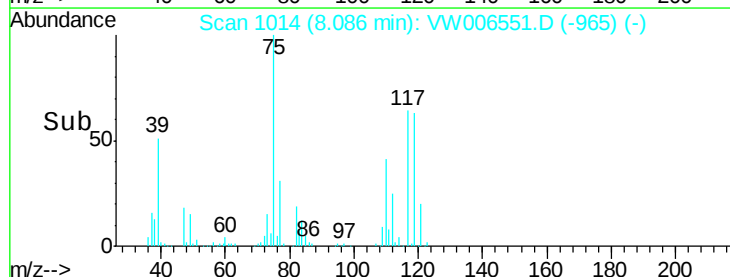
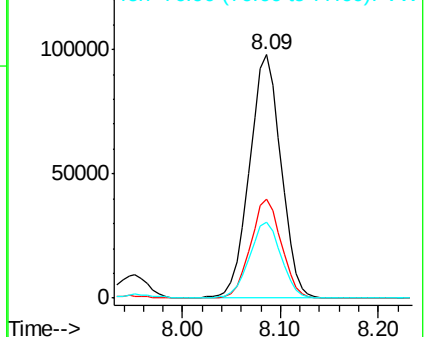
77 31.5 24.6 37.0

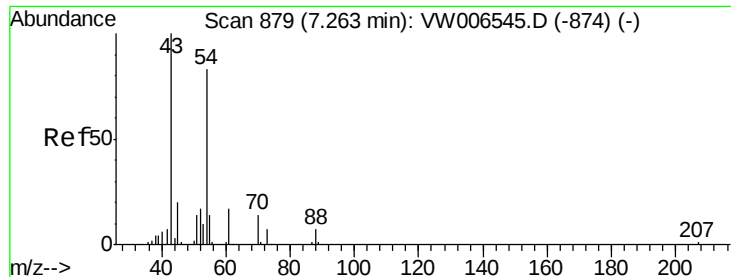


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

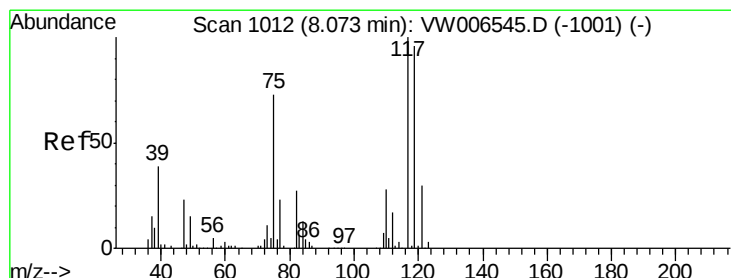
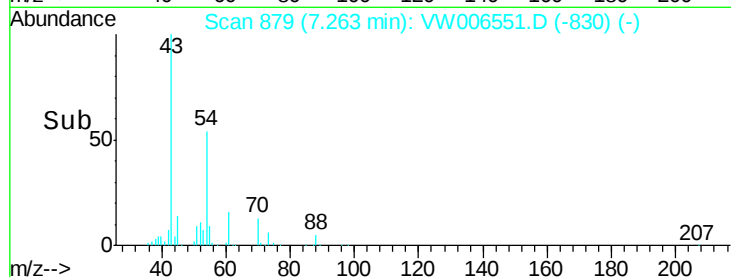
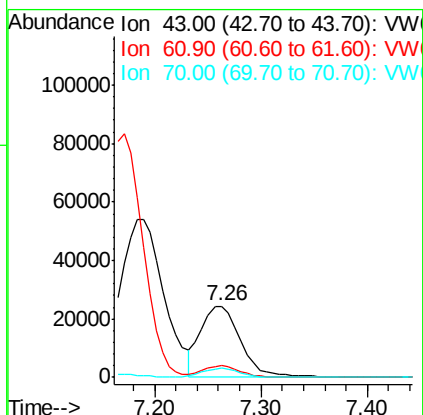
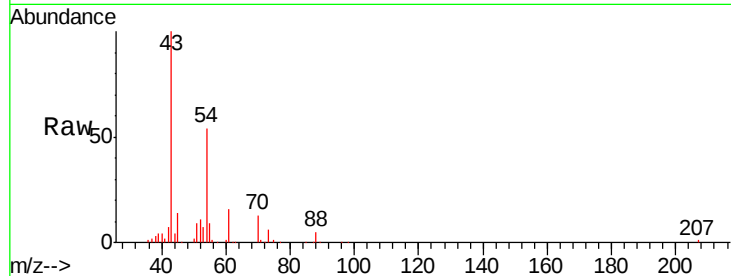




#37
Ethyl Acetate
Concen: 43.93 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

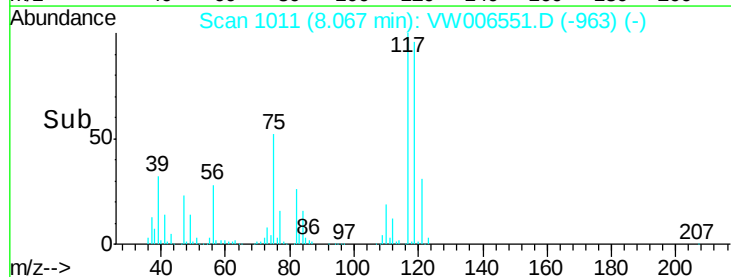
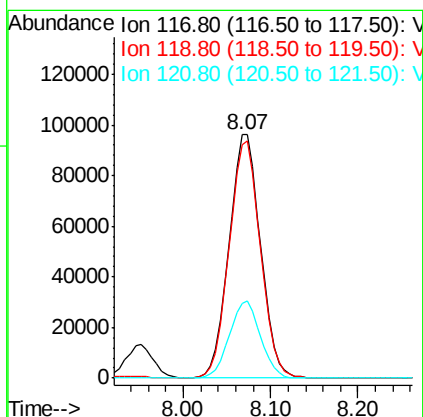
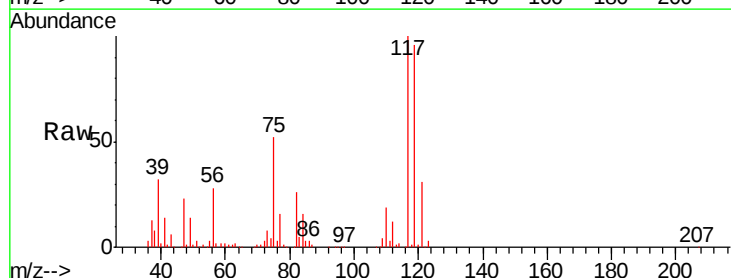
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

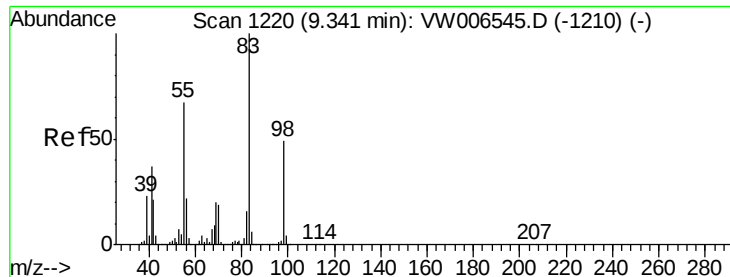
Tgt Ion: 43 Resp: 62373
Ion Ratio Lower Upper
43 100
61 15.7 12.1 18.1
70 12.1 9.8 14.6



#38
Carbon Tetrachloride
Concen: 56.14 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion: 117 Resp: 240309
Ion Ratio Lower Upper
117 100
119 95.7 76.3 114.5
121 30.8 24.1 36.1





#39

Methylcyclohexane

Concen: 56.87 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

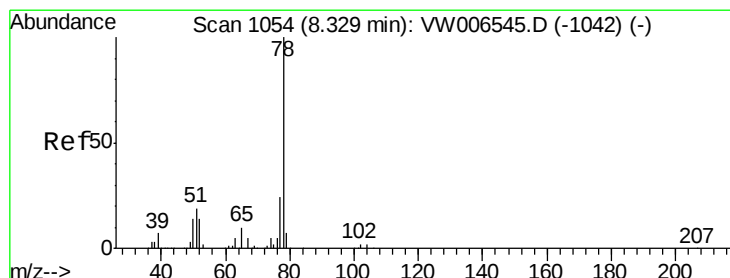
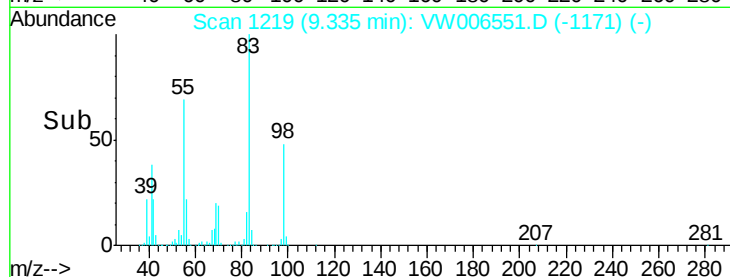
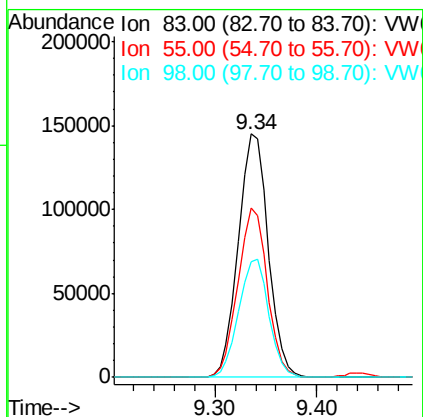
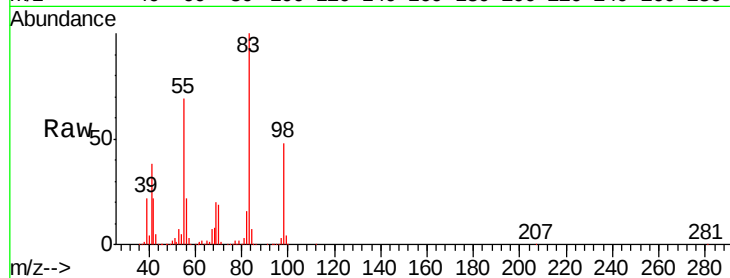
Tgt Ion: 83 Resp: 295658

Ion Ratio Lower Upper

83 100

55 69.4 53.7 80.5

98 47.7 39.2 58.8



#40

Benzene

Concen: 51.78 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW006551.D

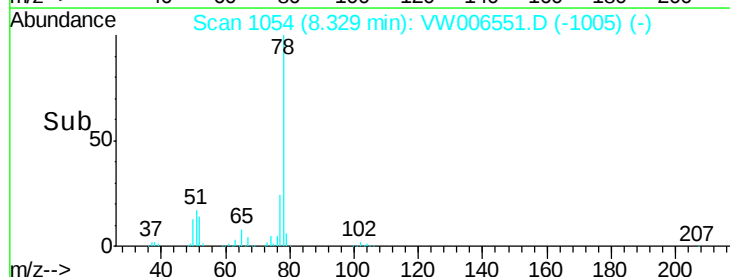
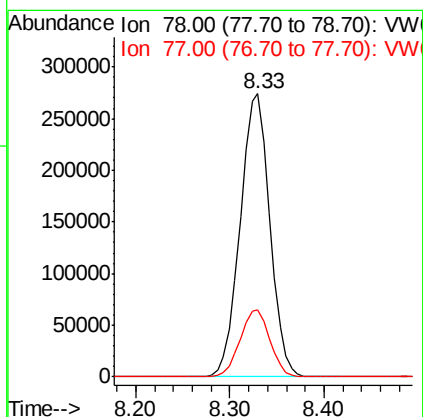
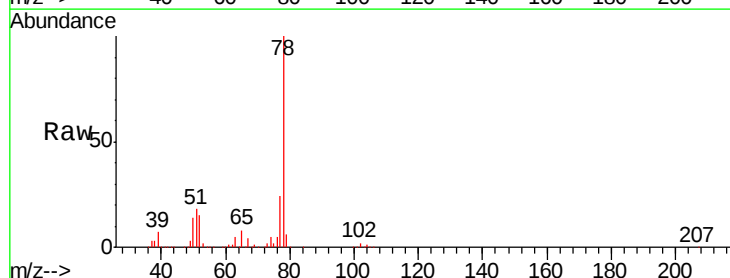
Acq: 01 Nov 2018 10:43

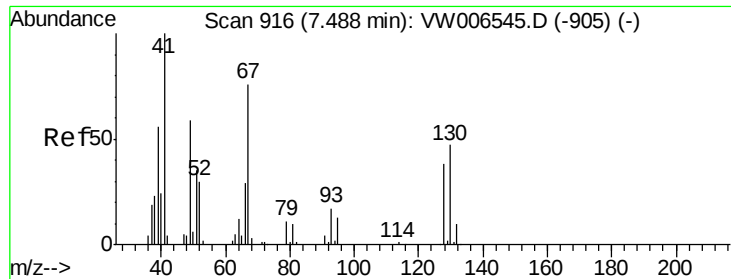
Tgt Ion: 78 Resp: 602537

Ion Ratio Lower Upper

78 100

77 23.7 19.2 28.8

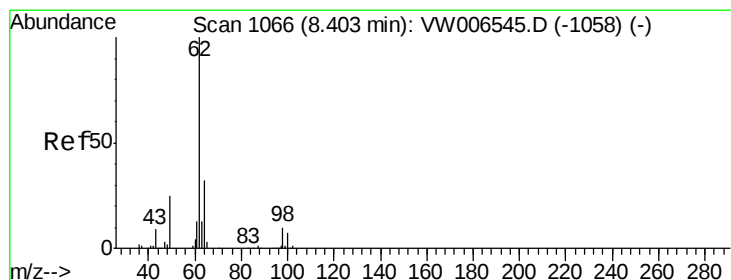
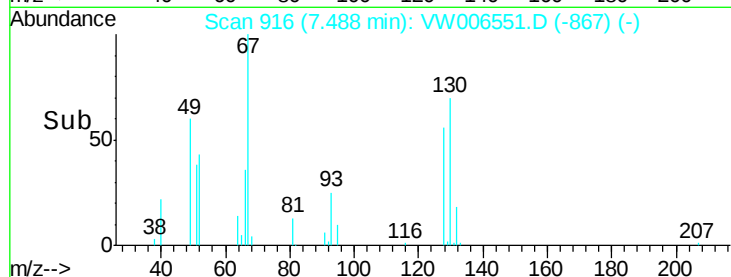
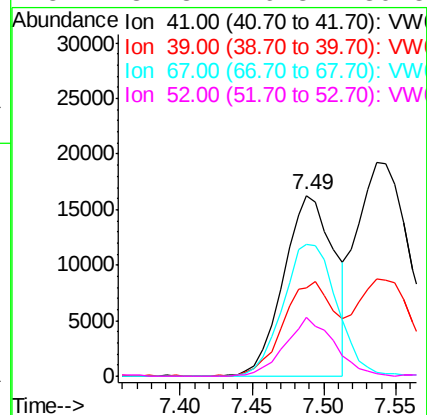
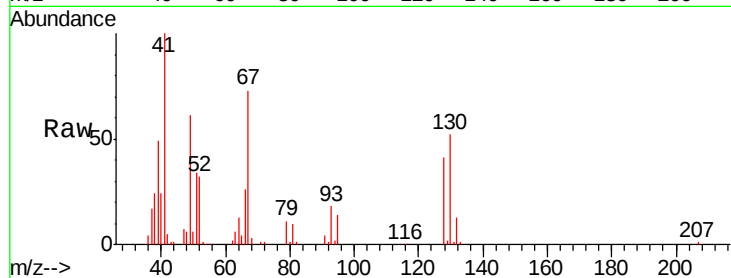




#41
Methacrylonitrile
Concen: 45.99 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

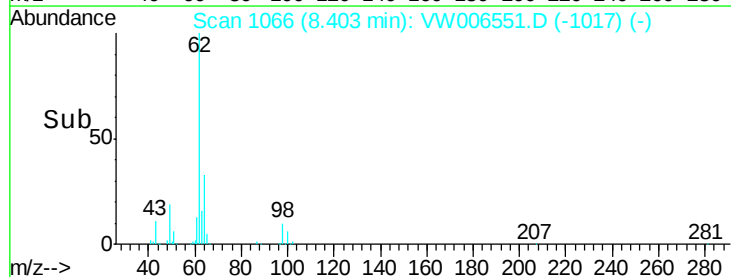
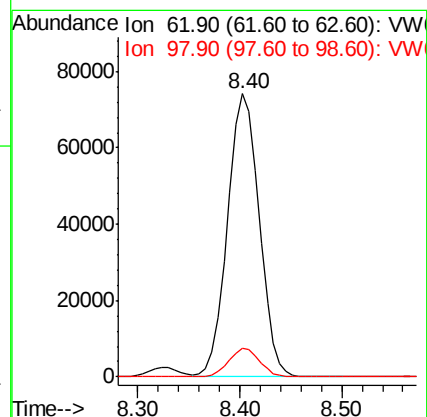
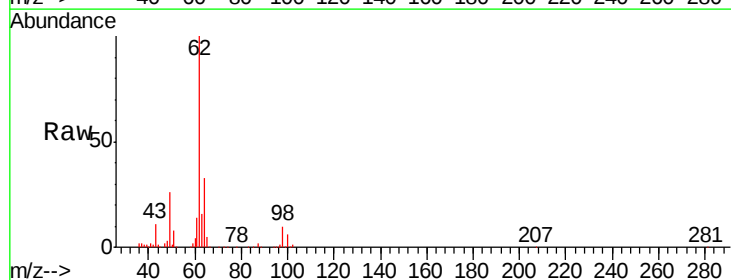
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

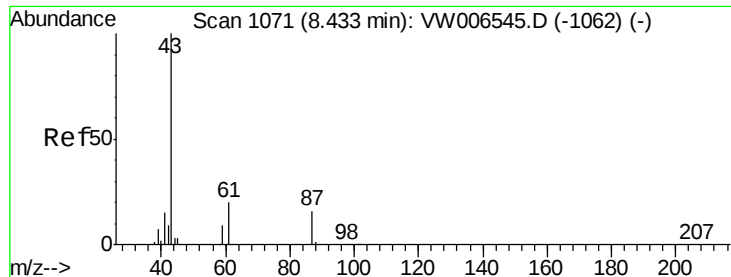
Tgt Ion:	41	Resp:	40040
Ion	Ratio	Lower	Upper
41	100		
39	53.1	44.5	66.7
67	77.8	63.8	95.8
52	31.3	26.3	39.5



#42
1,2-Dichloroethane
Concen: 47.90 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion:	62	Resp:	159840
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.8





#43

Isopropyl Acetate

Concen: 45.49 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

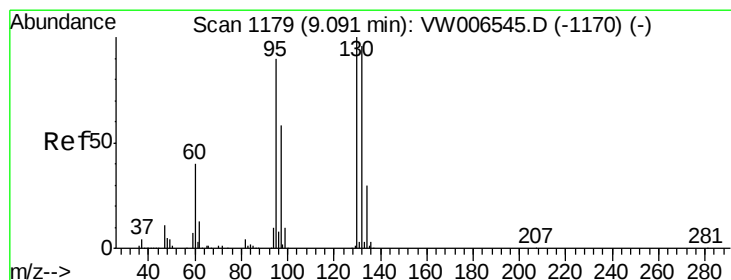
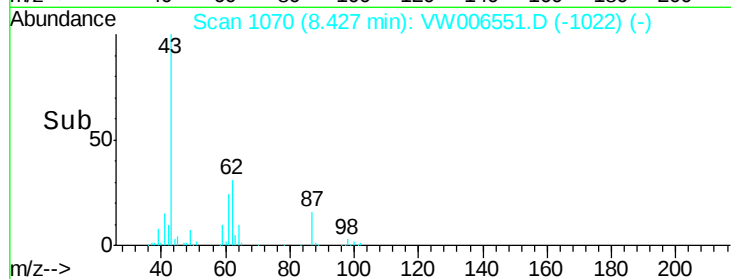
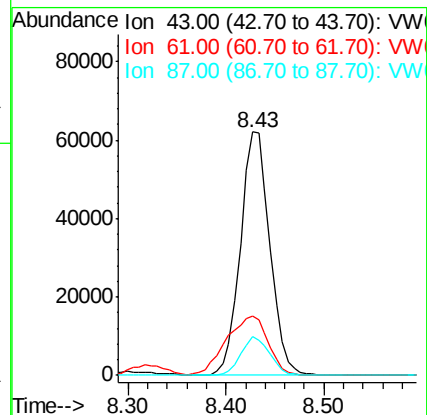
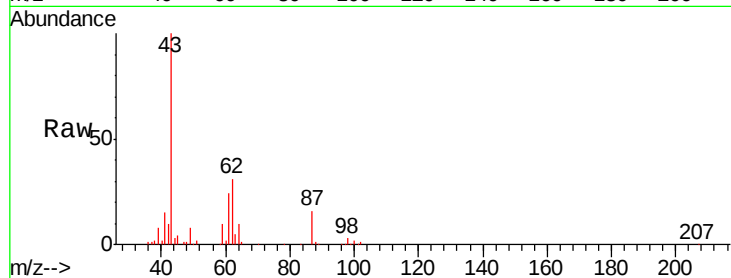
Tgt Ion: 43 Resp: 128867

Ion Ratio Lower Upper

43 100

61 34.7 27.2 40.8

87 15.6 12.9 19.3



#44

Trichloroethene

Concen: 52.58 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW006551.D

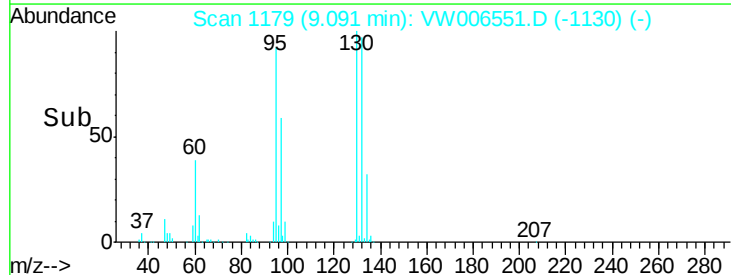
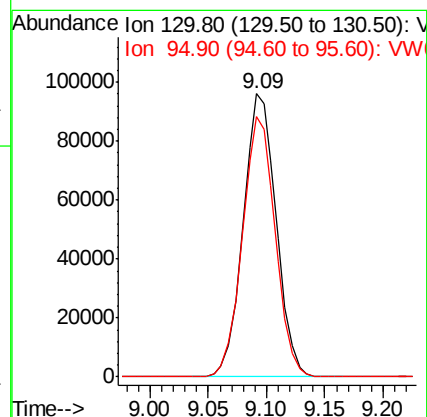
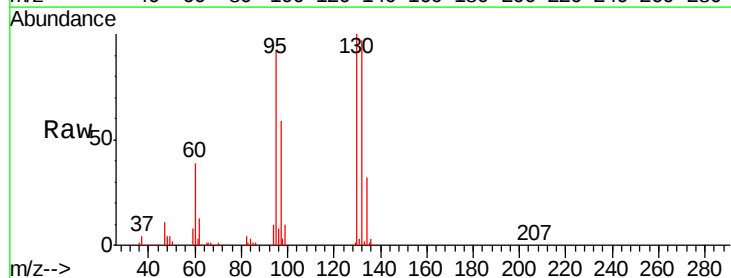
Acq: 01 Nov 2018 10:43

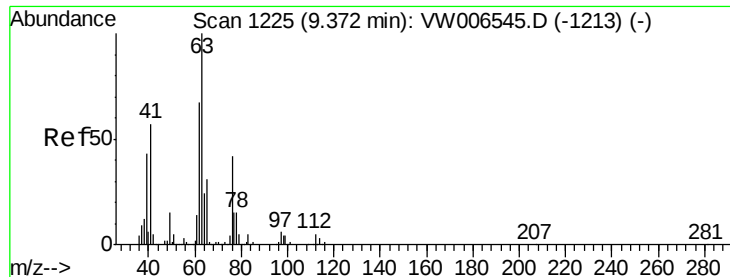
Tgt Ion: 130 Resp: 188812

Ion Ratio Lower Upper

130 100

95 91.9 0.0 179.2





#45

1,2-Dichloropropane

Concen: 50.40 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

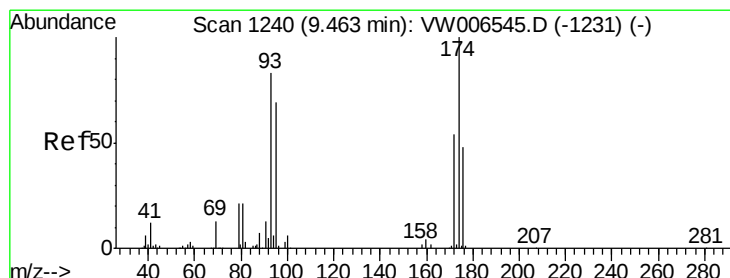
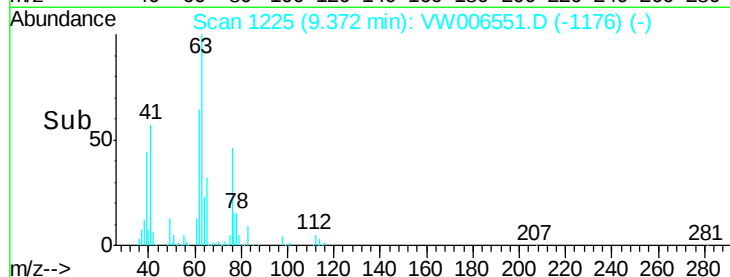
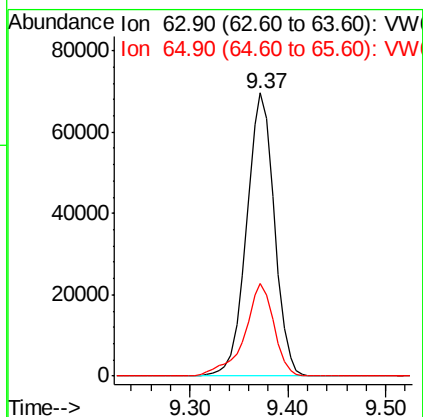
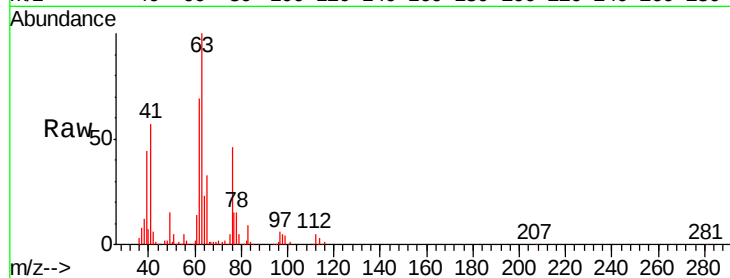
VSTDCCC050

Tgt Ion: 63 Resp: 136488

Ion Ratio Lower Upper

63 100

65 32.6 25.1 37.7



#46

Dibromomethane

Concen: 47.62 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

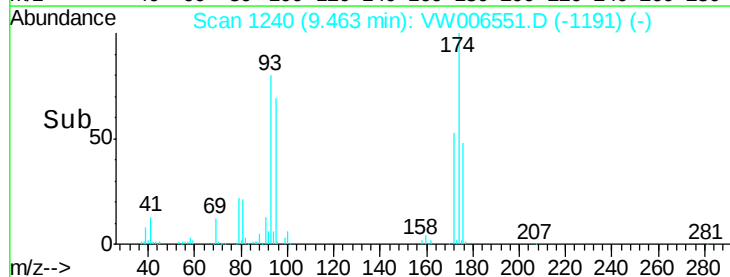
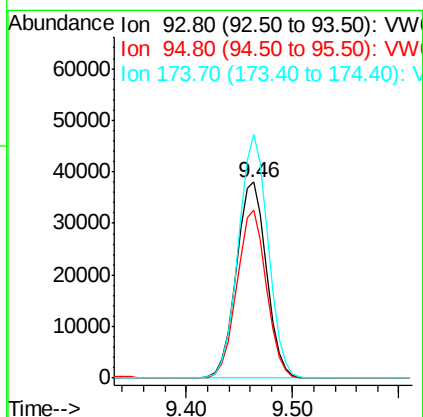
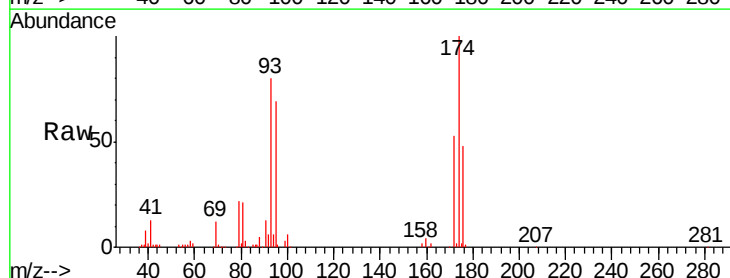
Tgt Ion: 93 Resp: 75800

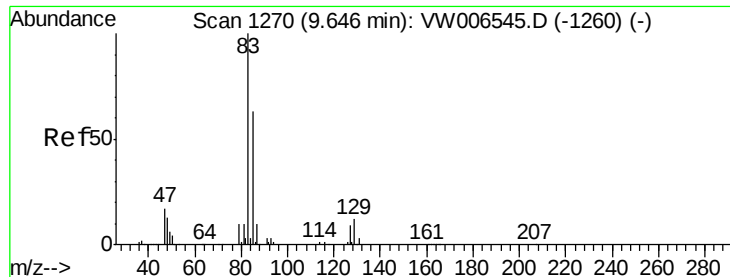
Ion Ratio Lower Upper

93 100

95 83.7 67.2 100.8

174 121.6 97.3 145.9





#47

Bromodichloromethane

Concen: 51.29 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

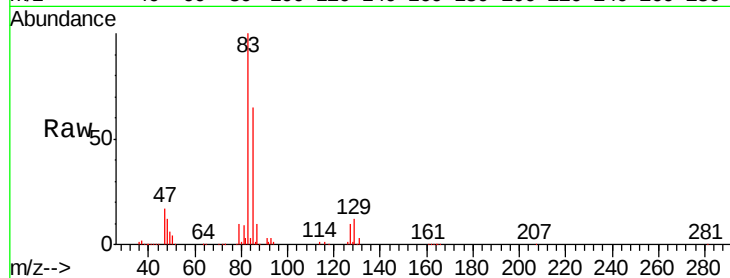
Tgt Ion: 83 Resp: 189577

Ion Ratio Lower Upper

83 100

85 65.2 50.6 75.8

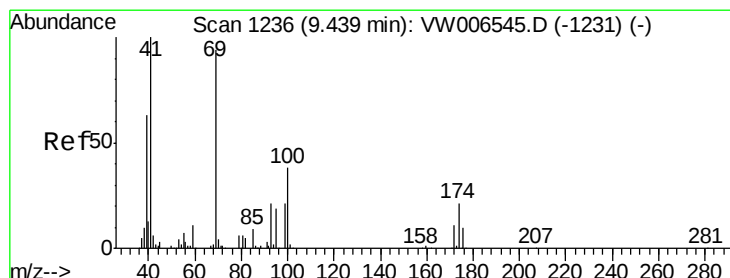
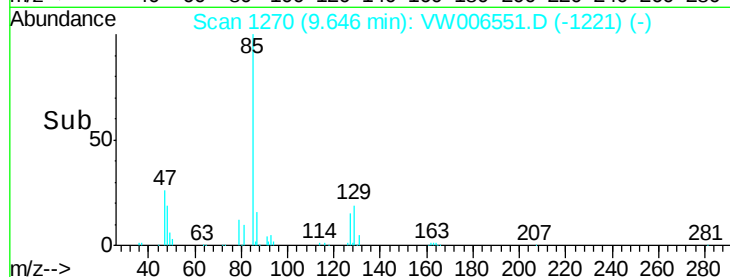
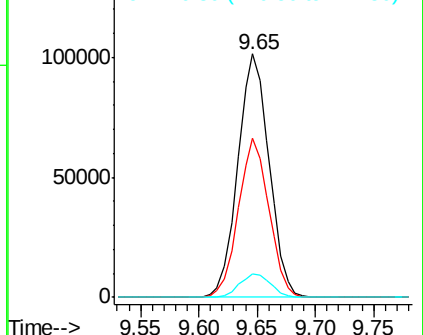
127 9.6 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 46.50 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

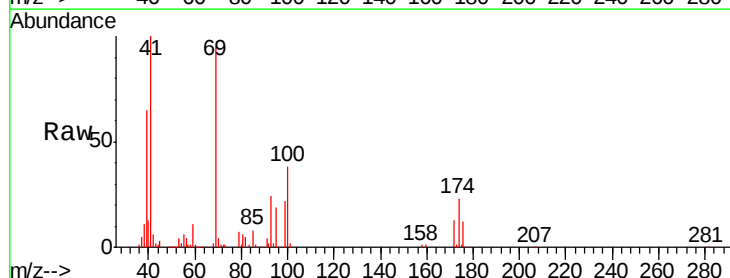
Tgt Ion: 41 Resp: 63463

Ion Ratio Lower Upper

41 100

69 97.1 77.8 116.8

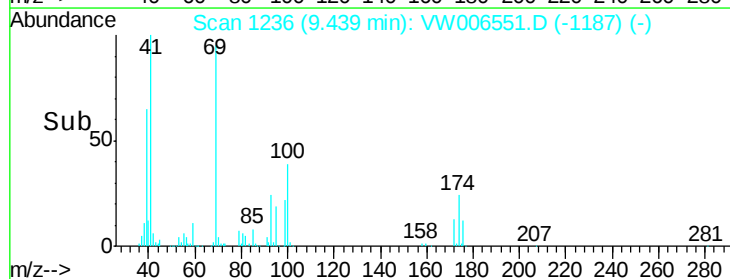
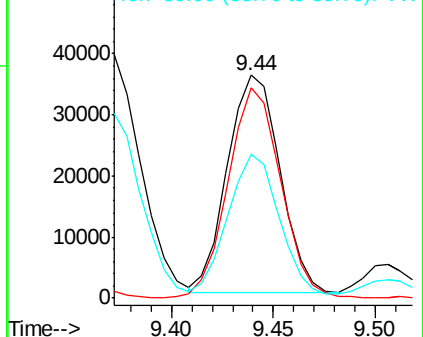
39 62.5 48.7 73.1

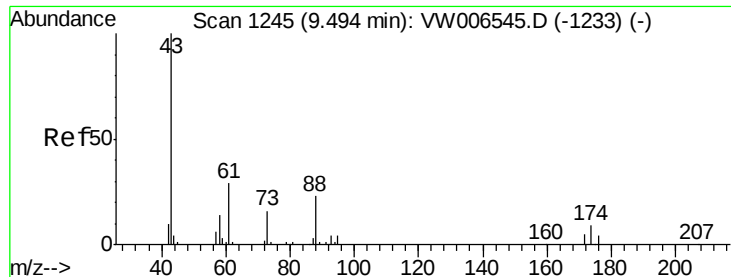


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 995.91 ug/l

RT: 9.49 min Scan# 1245

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

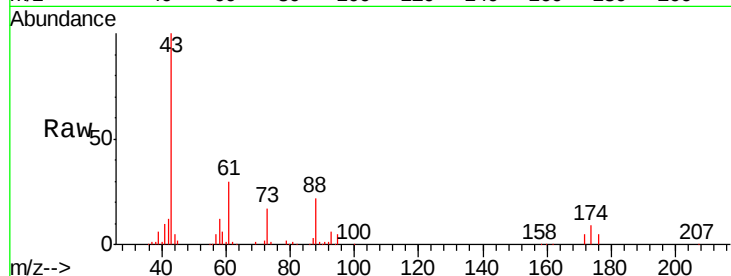
Tgt Ion: 88 Resp: 23201

Ion Ratio Lower Upper

88 100

43 420.5 356.6 534.8

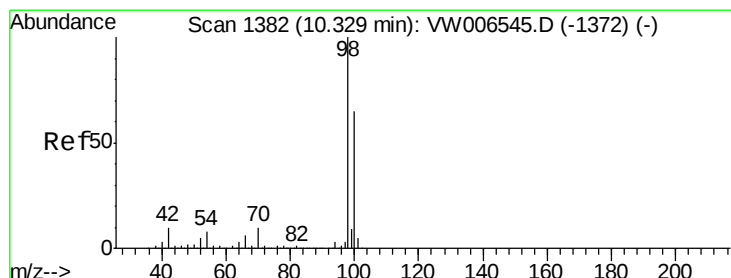
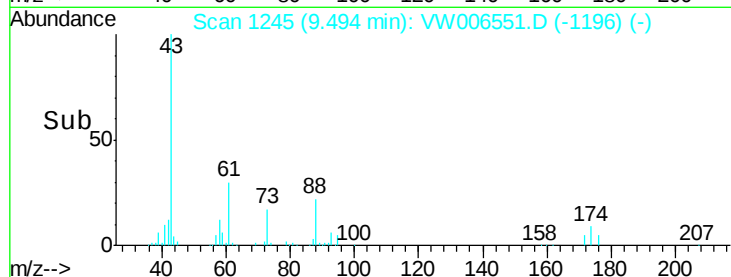
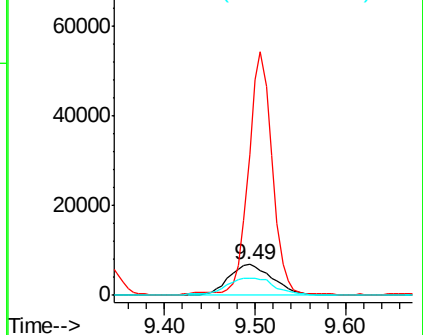
58 62.6 51.4 77.2



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: 52.61 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006551.D

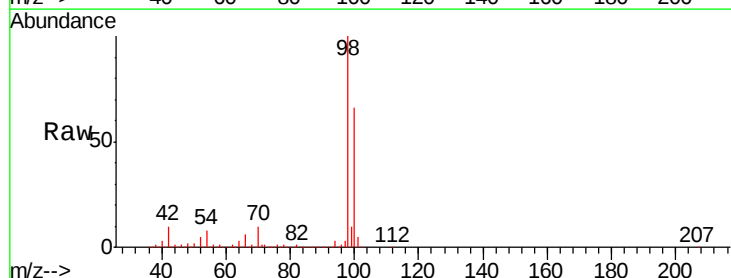
Acq: 01 Nov 2018 10:43

Tgt Ion: 98 Resp: 585495

Ion Ratio Lower Upper

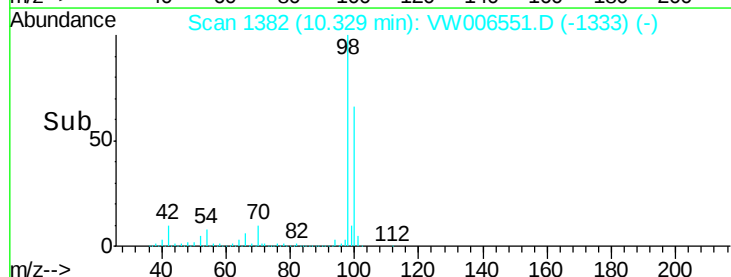
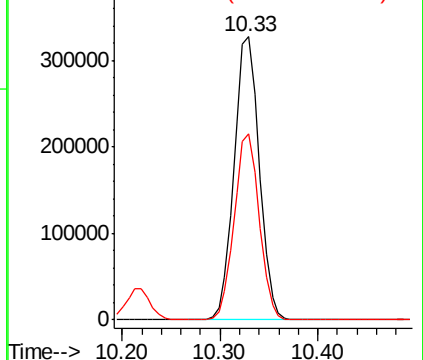
98 100

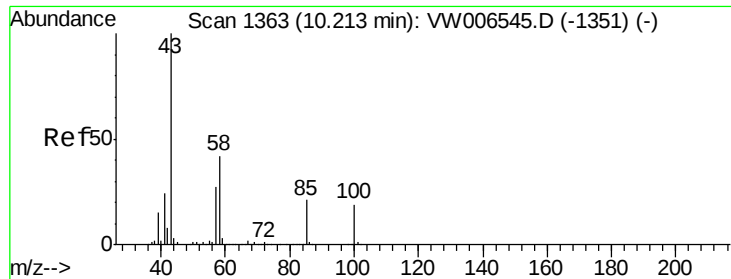
100 65.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

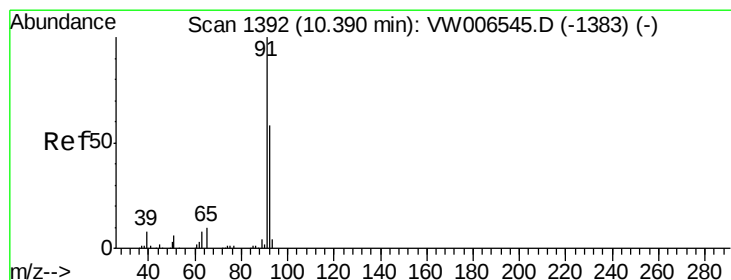
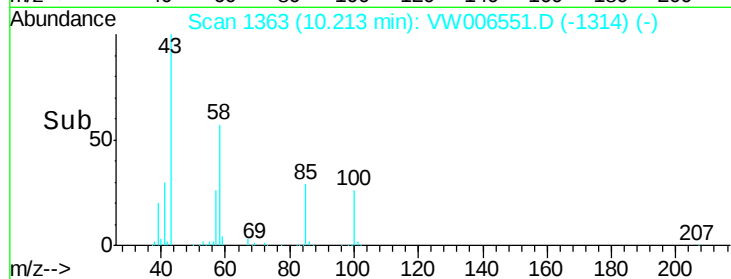
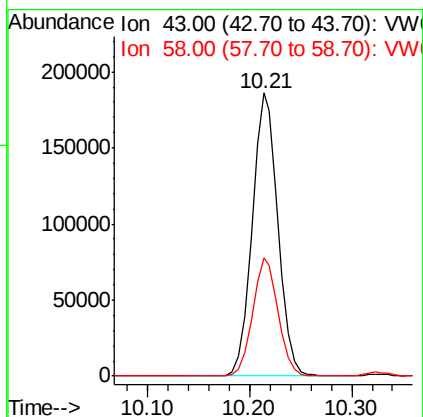
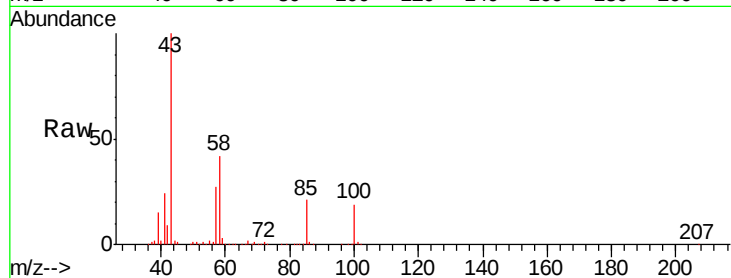




#51
4-Methyl-2-Pentanone
Concen: 223.93 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

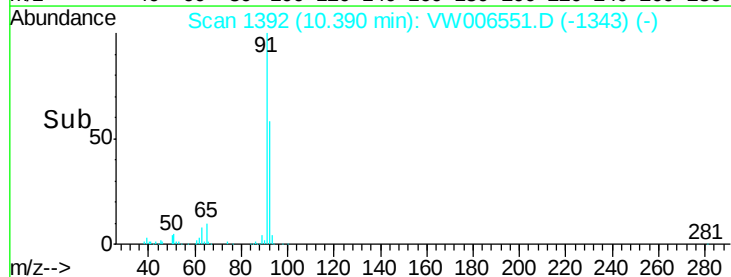
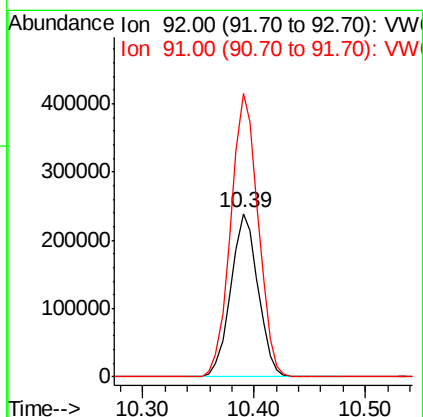
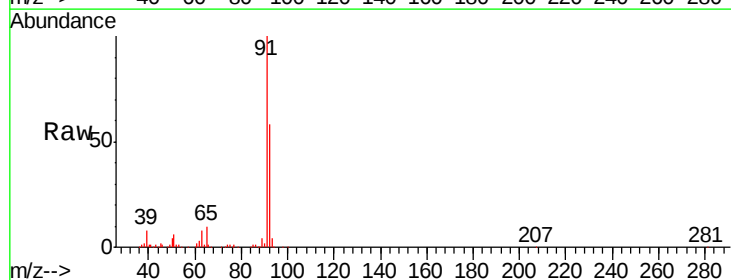
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

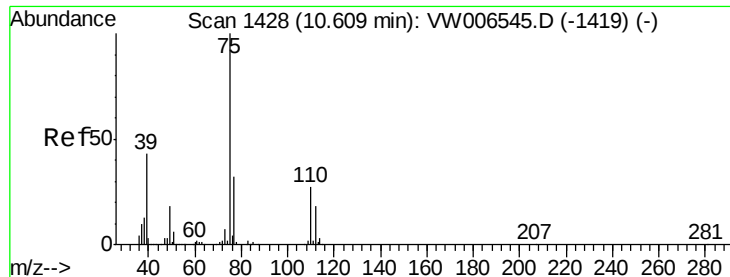
Tgt Ion: 43 Resp: 325803
Ion Ratio Lower Upper
43 100
58 41.3 33.4 50.0



#52
Toluene
Concen: 51.74 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion: 92 Resp: 403796
Ion Ratio Lower Upper
92 100
91 174.6 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 52.55 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

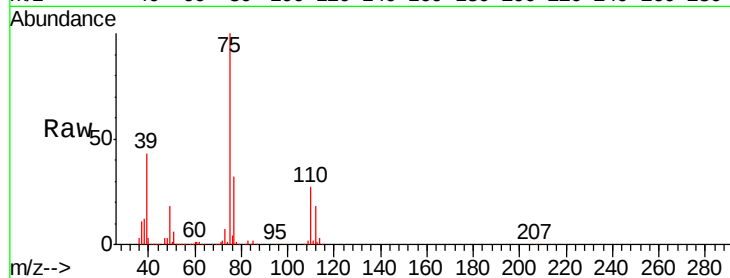
VSTDCCC050

Tgt Ion: 75 Resp: 186917

Ion Ratio Lower Upper

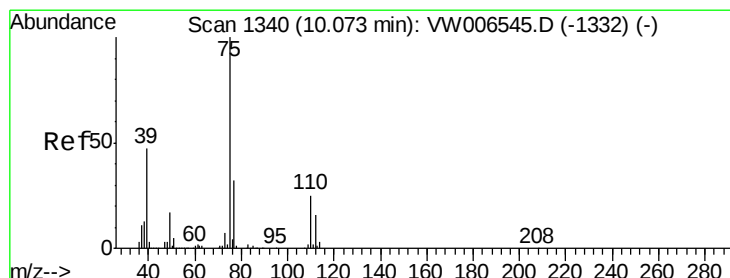
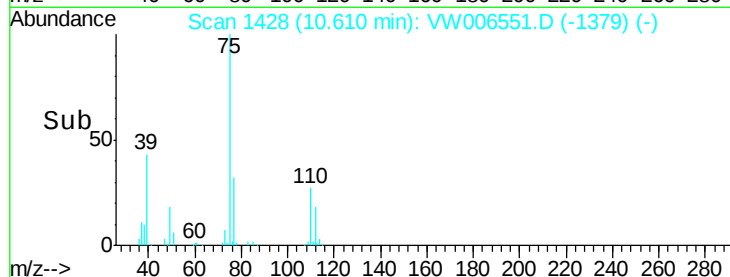
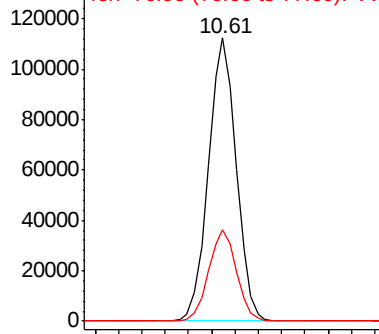
75 100

77 32.2 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 52.95 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

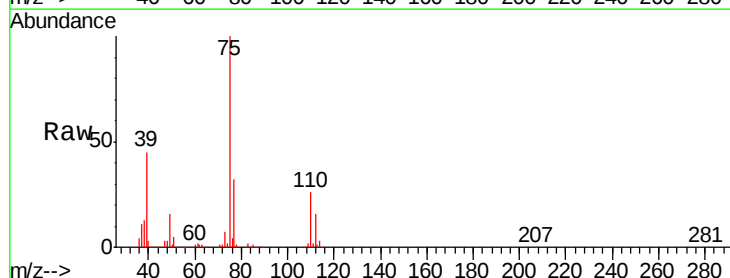
Tgt Ion: 75 Resp: 222575

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5

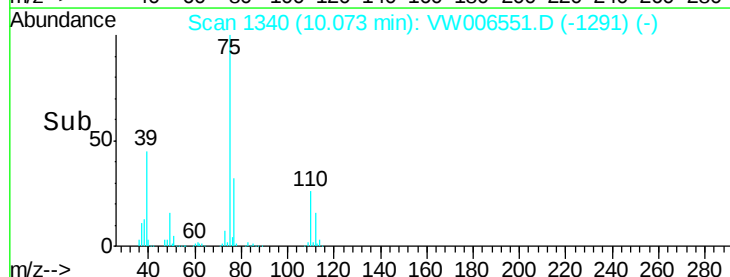
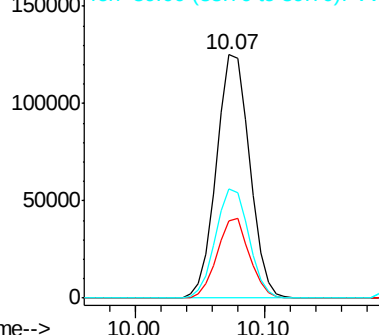
39 44.8 37.3 55.9

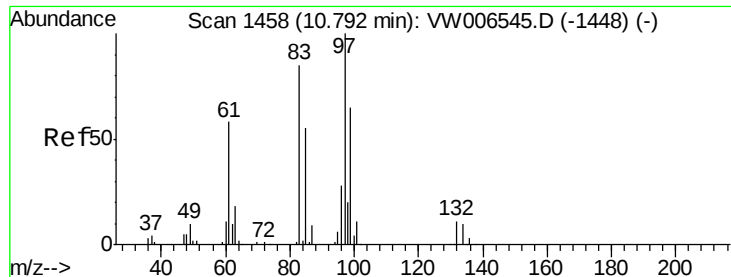


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

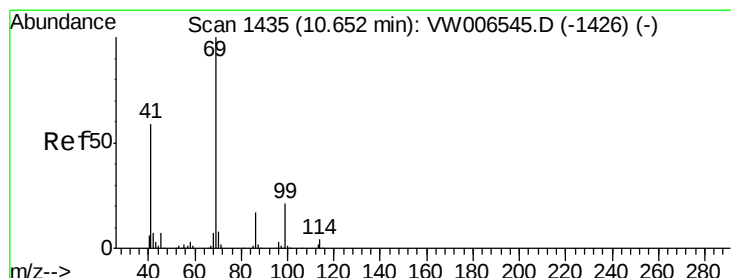
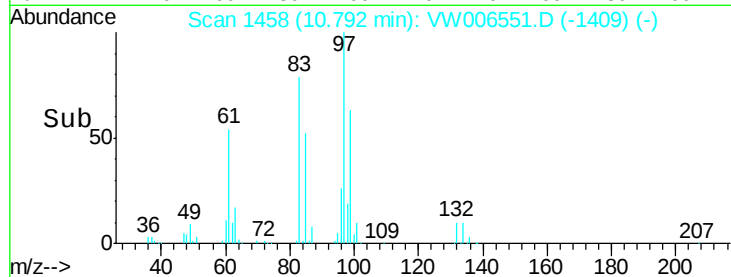
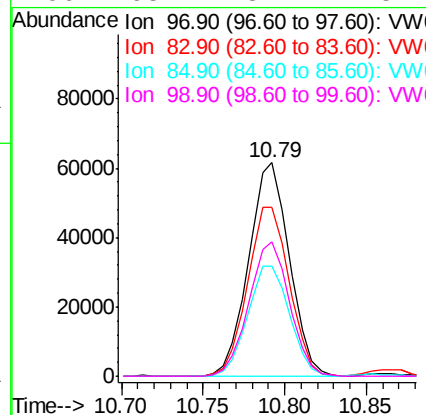
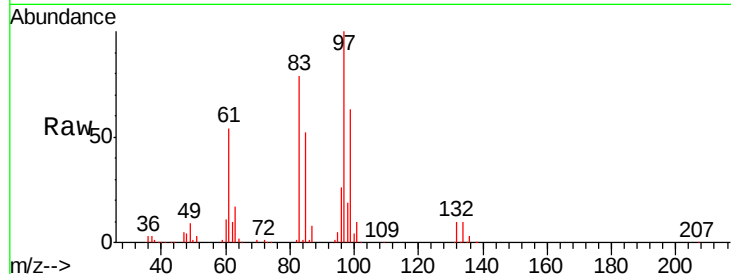




#55
 1,1,2-Trichloroethane
 Concen: 47.52 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

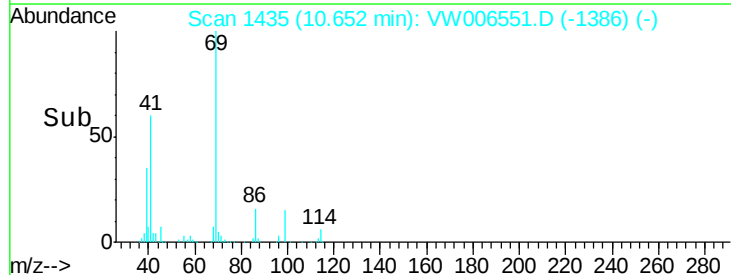
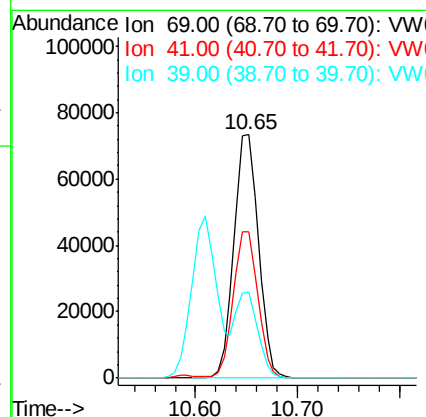
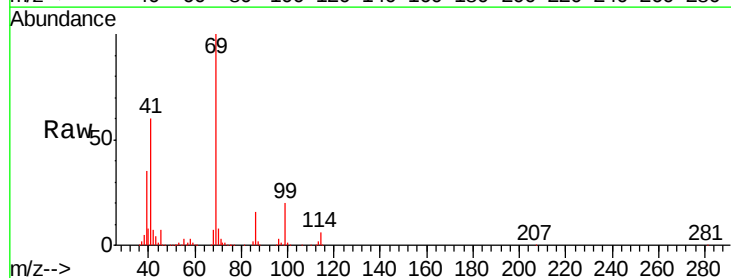
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

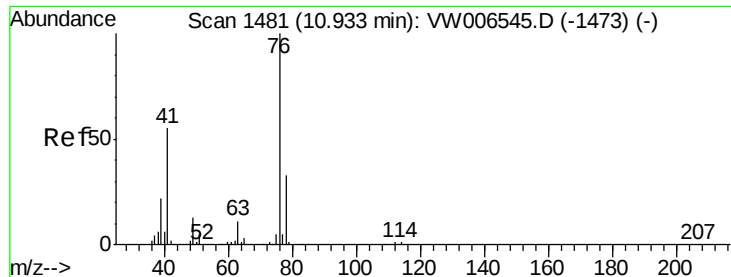
Tgt Ion: 97 Resp: 107335
 Ion Ratio Lower Upper
 97 100
 83 79.3 67.9 101.9
 85 51.8 44.0 66.0
 99 63.2 52.2 78.2



#56
 Ethyl methacrylate
 Concen: 47.67 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

Tgt Ion: 69 Resp: 122372
 Ion Ratio Lower Upper
 69 100
 41 59.6 47.4 71.2
 39 31.1 25.3 37.9

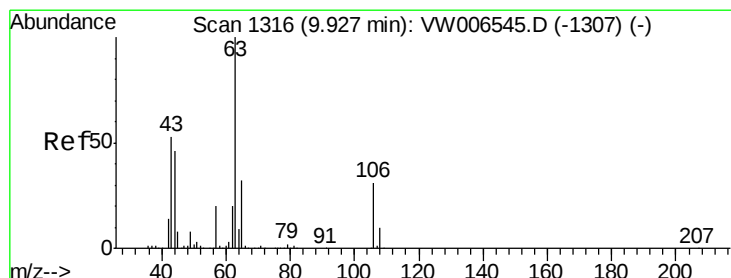
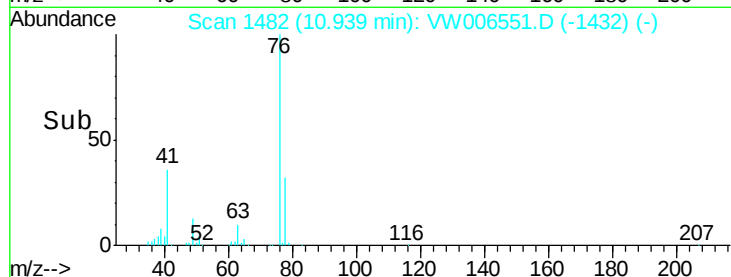
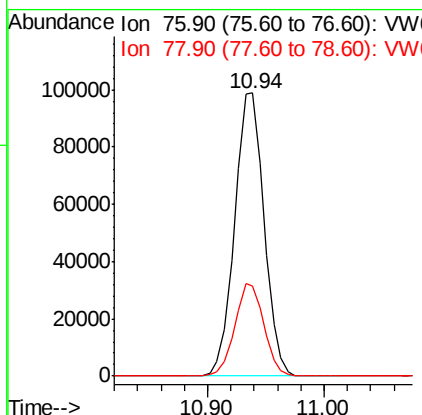
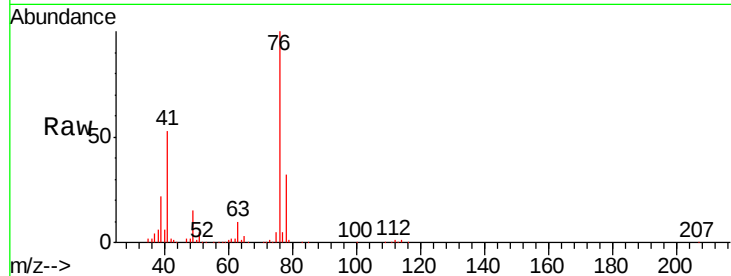




#57
 1,3-Dichloropropane
 Concen: 47.47 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

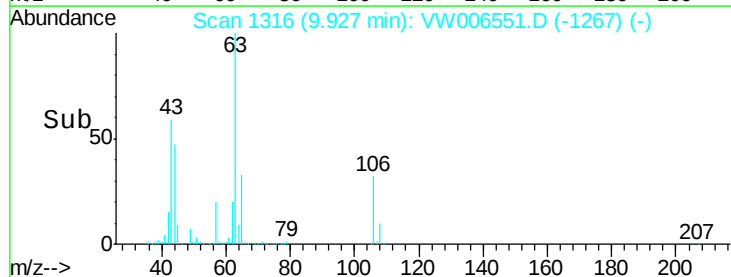
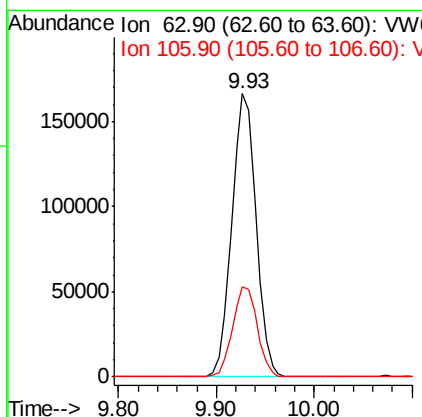
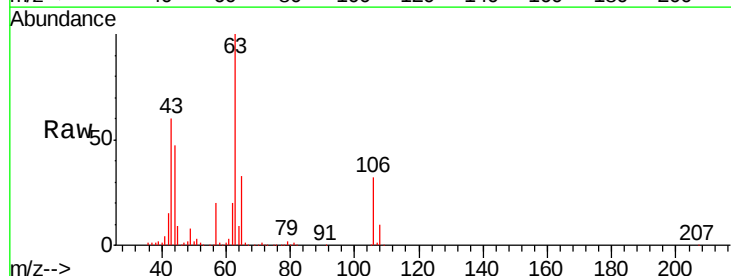
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

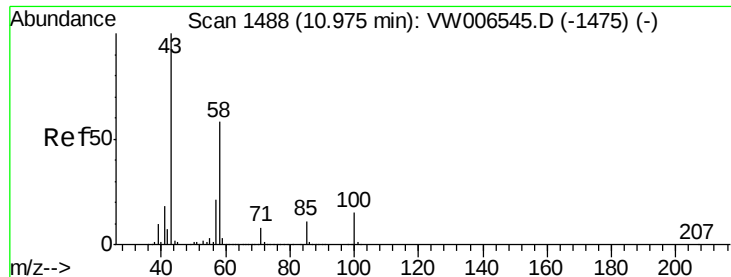
Tgt Ion: 76 Resp: 174084
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 229.22 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

Tgt Ion: 63 Resp: 286036
 Ion Ratio Lower Upper
 63 100
 106 32.4 25.4 38.2

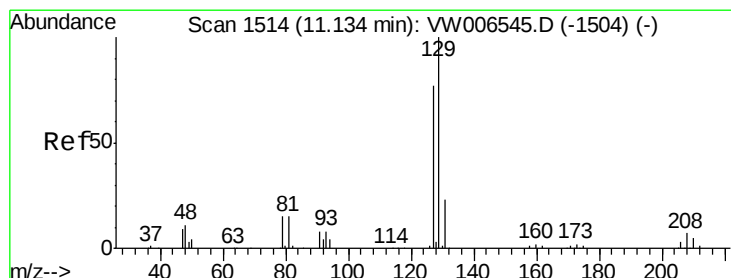
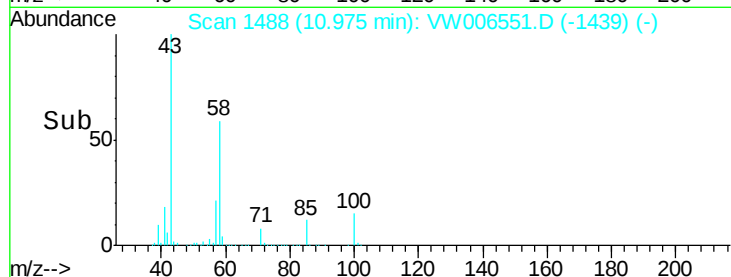
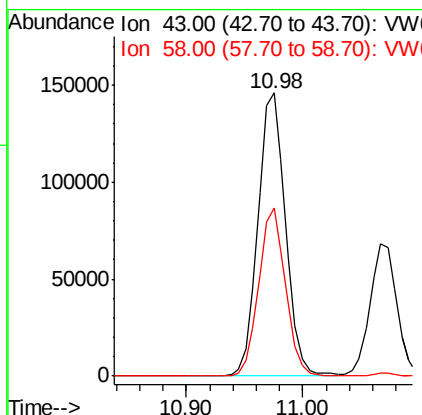
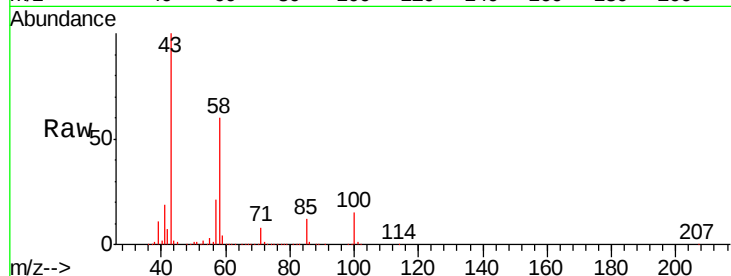




#59
2-Hexanone
Concen: 244.24 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

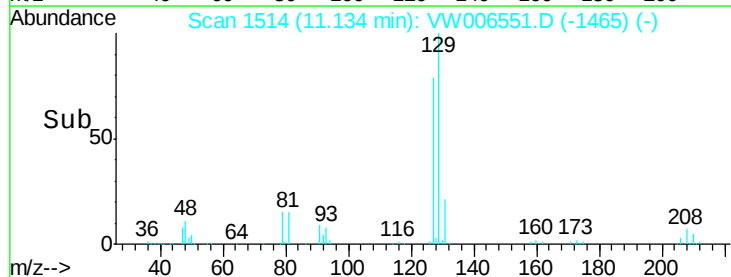
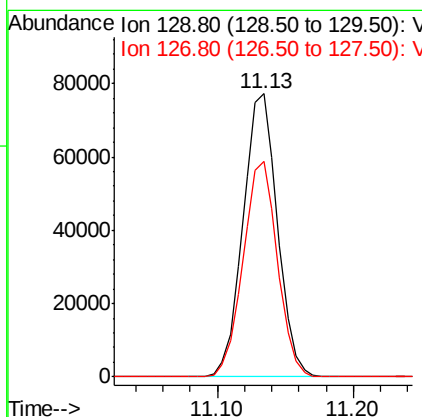
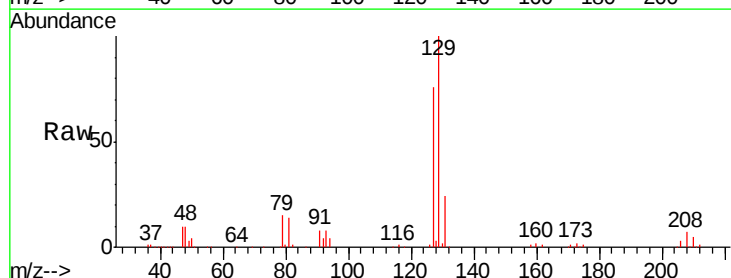
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

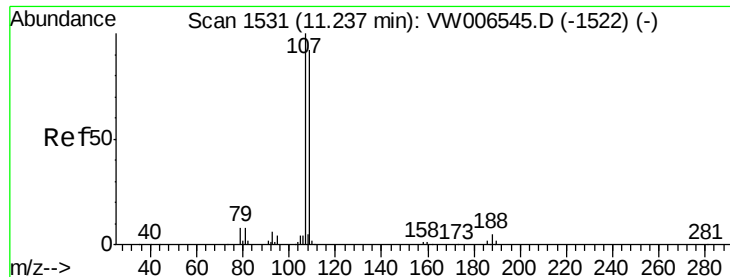
Tgt Ion: 43 Resp: 241352
Ion Ratio Lower Upper
43 100
58 57.5 28.8 86.4



#60
Dibromochloromethane
Concen: 50.91 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion: 129 Resp: 136233
Ion Ratio Lower Upper
129 100
127 76.1 38.8 116.3

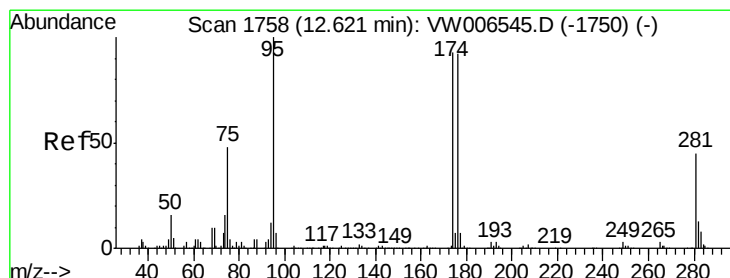
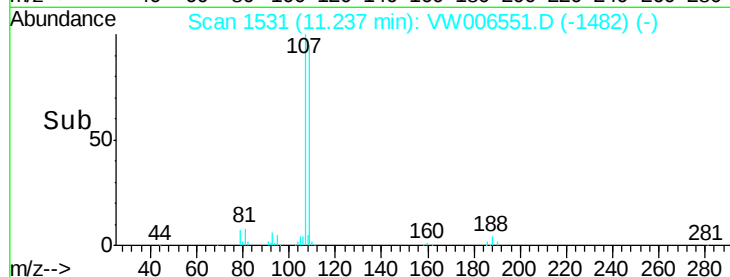
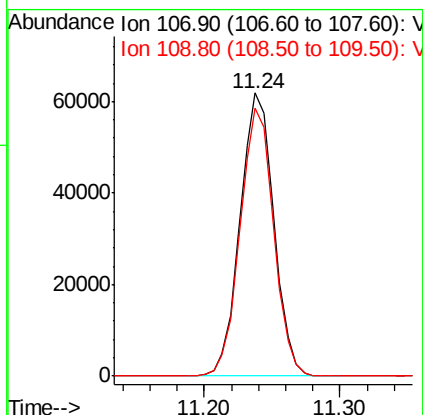
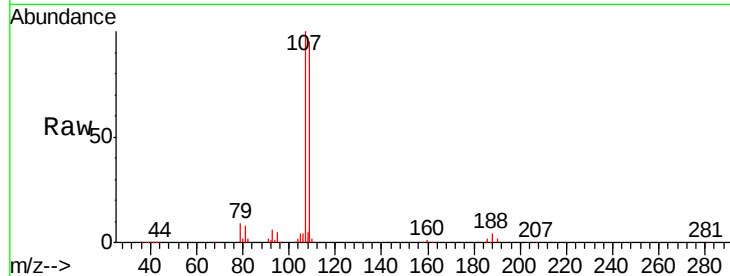




#61
 1,2-Dibromoethane
 Concen: 47.79 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

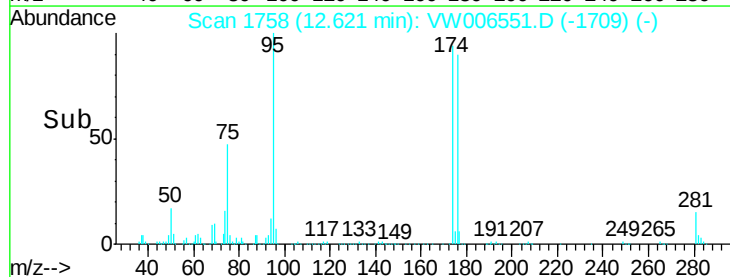
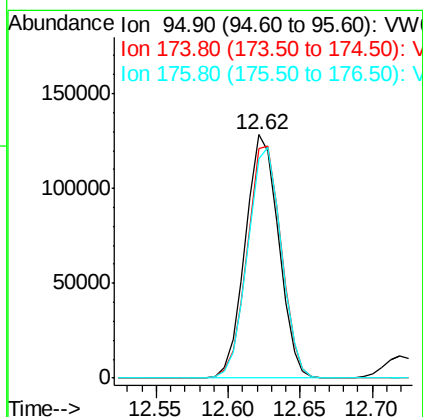
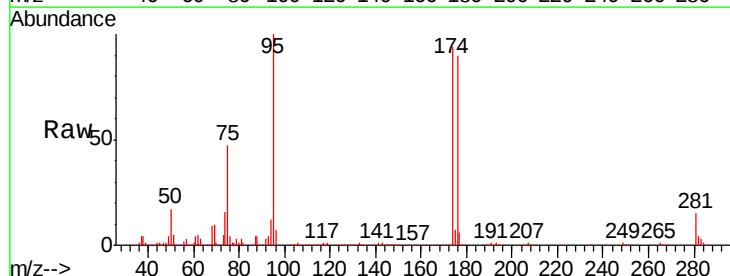
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

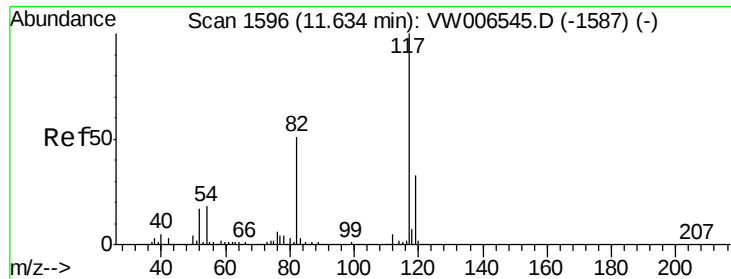
Tgt Ion: 107 Resp: 107188
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 50.93 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

Tgt Ion: 95 Resp: 205491
 Ion Ratio Lower Upper
 95 100
 174 97.2 0.0 192.4
 176 95.0 0.0 187.4

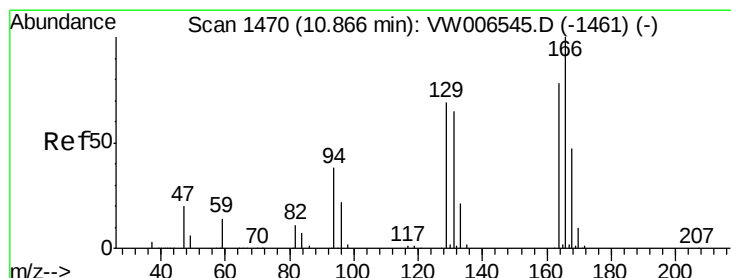
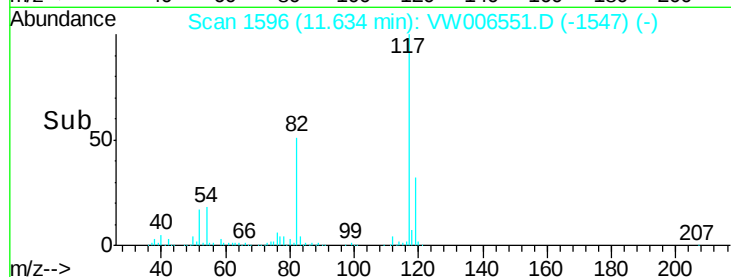
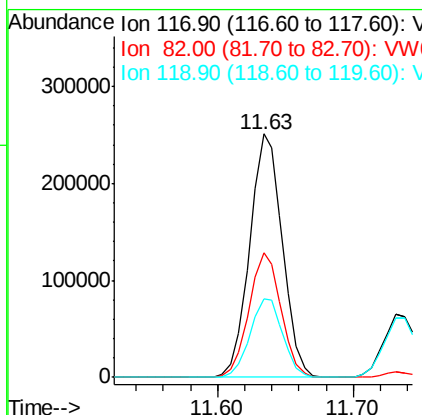
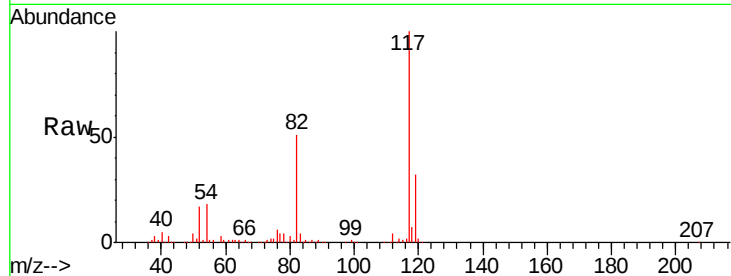




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

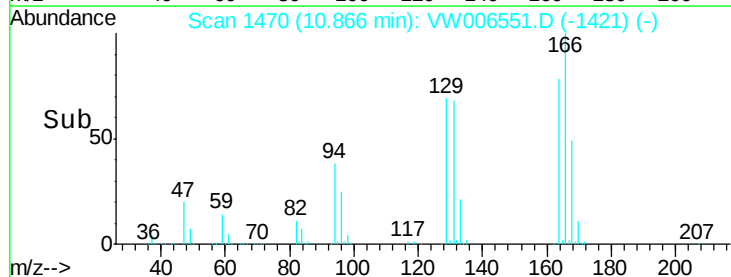
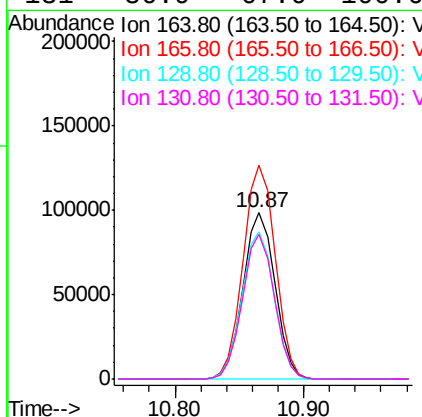
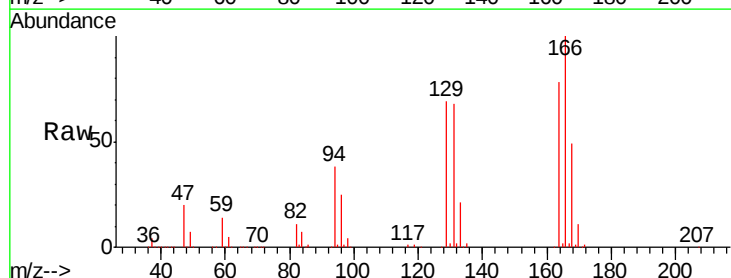
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

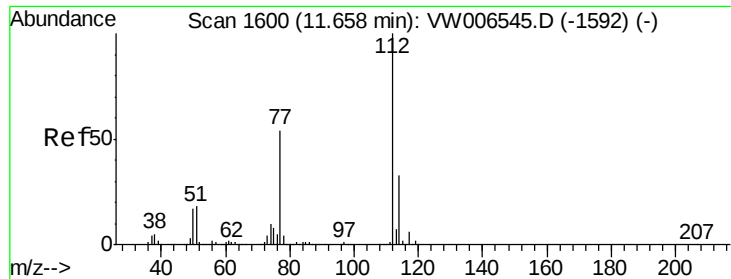
Tgt Ion:117 Resp: 421426
Ion Ratio Lower Upper
117 100
82 51.1 40.8 61.2
119 32.1 26.1 39.1



#64
Tetrachloroethene
Concen: 50.34 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion:164 Resp: 169125
Ion Ratio Lower Upper
164 100
166 128.5 102.8 154.2
129 88.4 70.9 106.3
131 86.9 67.0 100.6

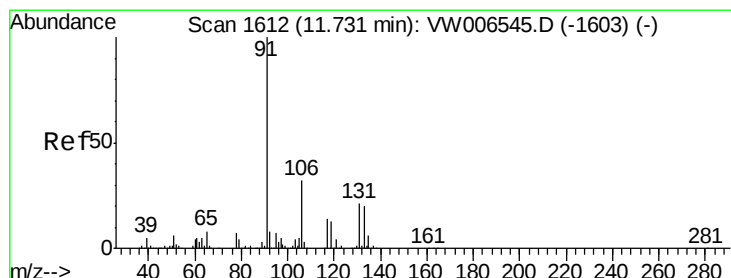
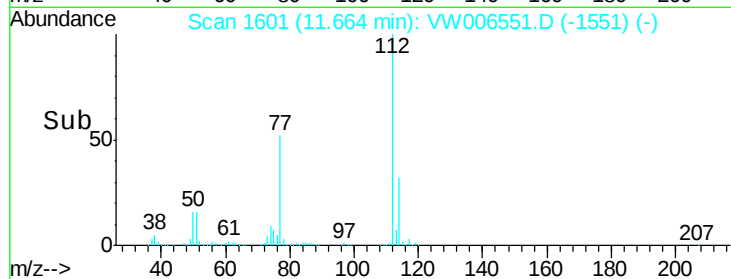
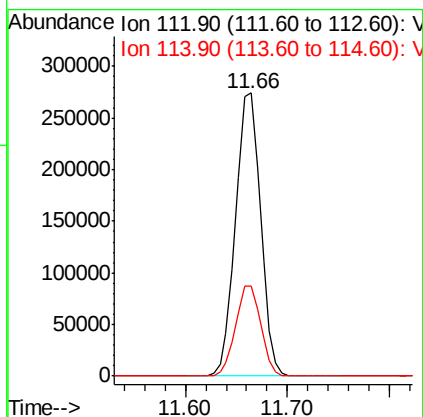
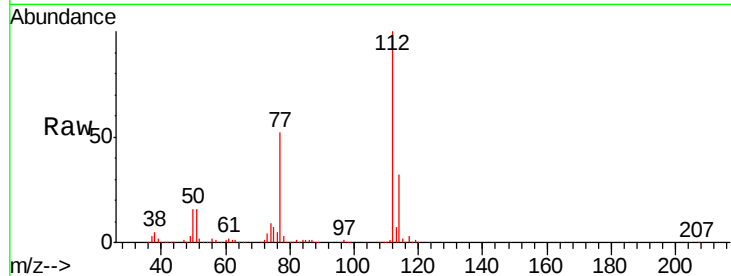




#65
Chlorobenzene
Concen: 52.47 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

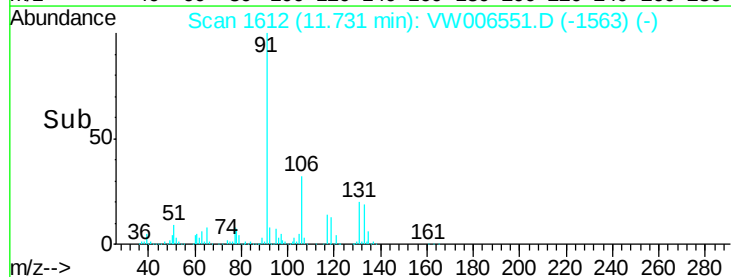
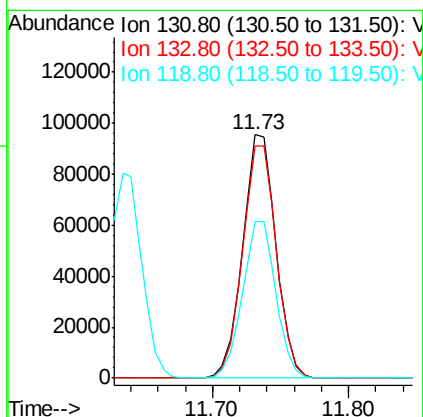
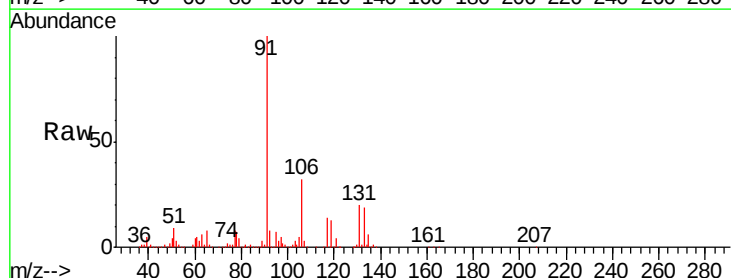
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

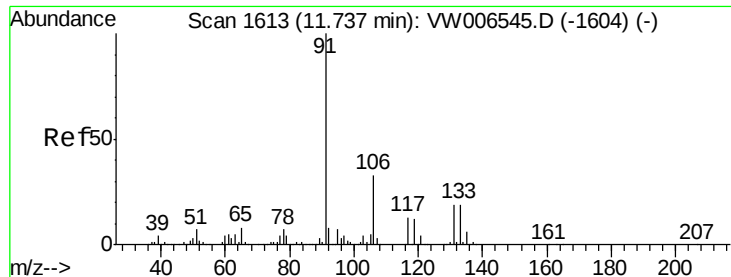
Tgt Ion:112 Resp: 465314
Ion Ratio Lower Upper
112 100
114 31.7 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 52.53 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion:131 Resp: 163720
Ion Ratio Lower Upper
131 100
133 96.5 47.5 142.5
119 64.4 31.9 95.5

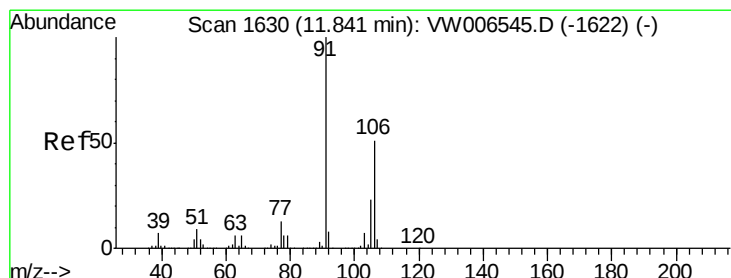
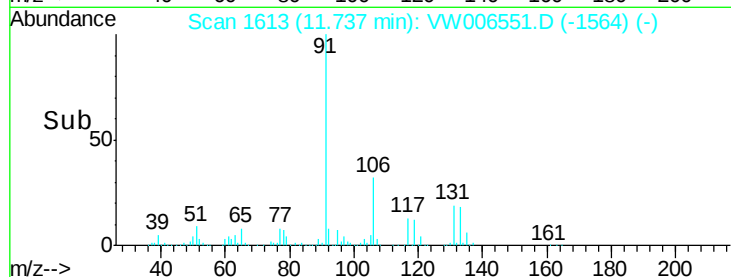
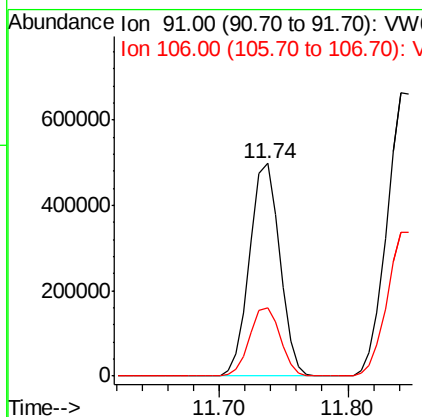
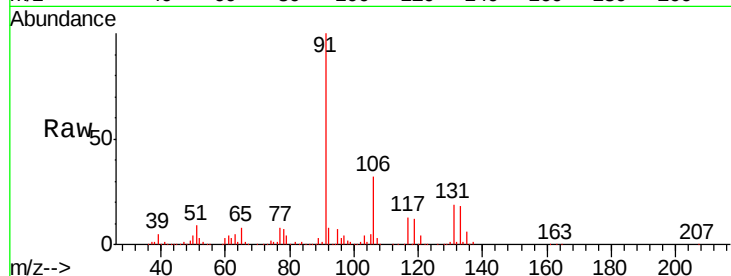




#67
Ethyl Benzene
Concen: 54.43 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

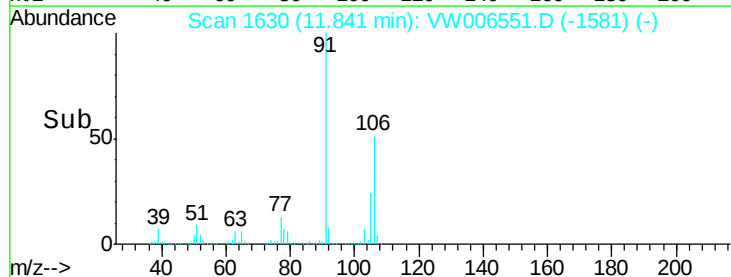
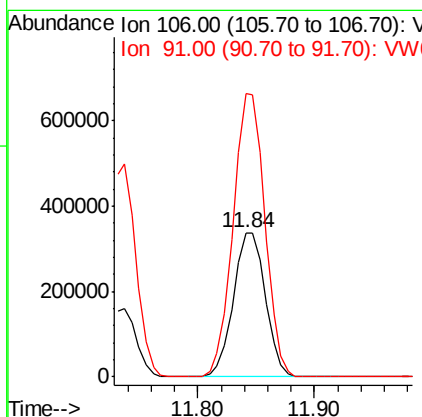
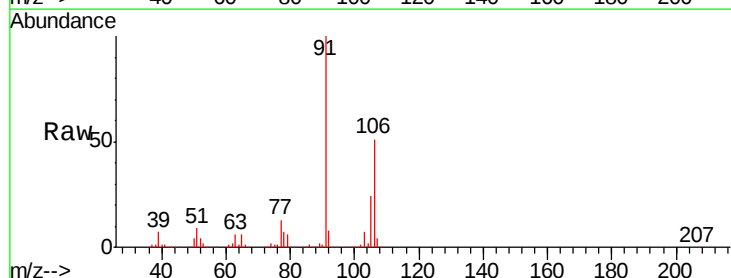
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

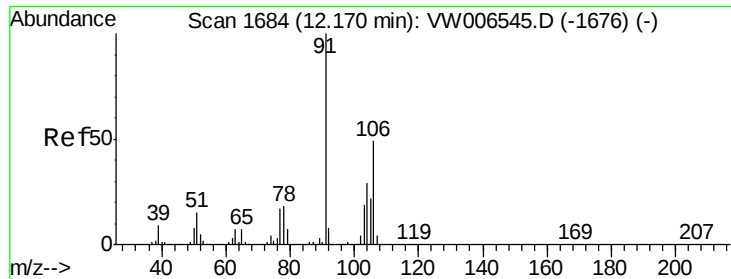
Tgt Ion: 91 Resp: 806768
Ion Ratio Lower Upper
91 100
106 32.4 26.3 39.5



#68
m/p-Xylenes
Concen: 109.21 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion: 106 Resp: 646721
Ion Ratio Lower Upper
106 100
91 194.8 156.7 235.1

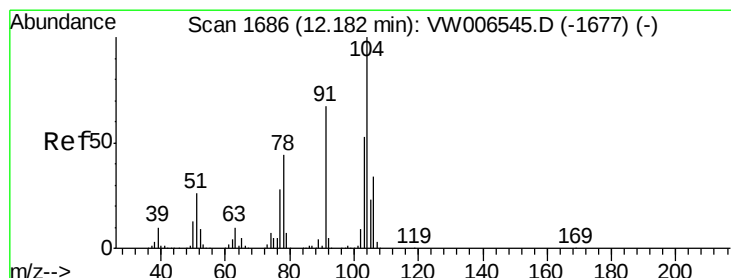
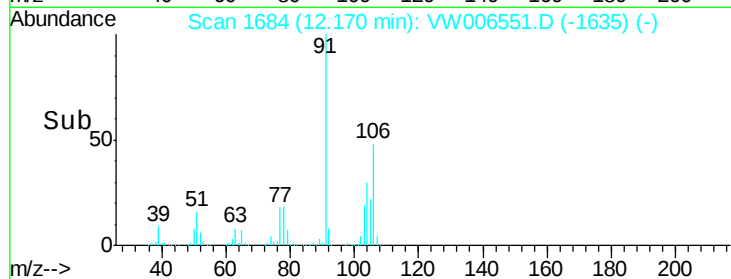
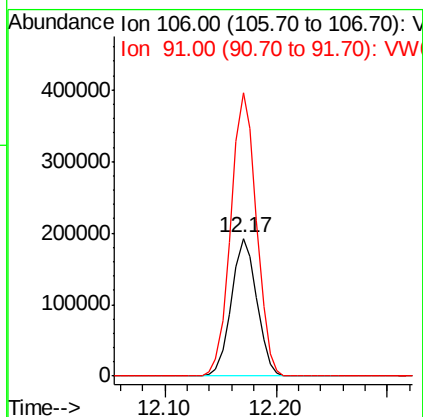
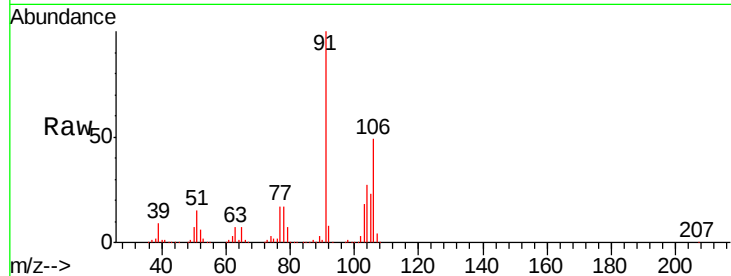




#69
o-Xylene
Concen: 53.89 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

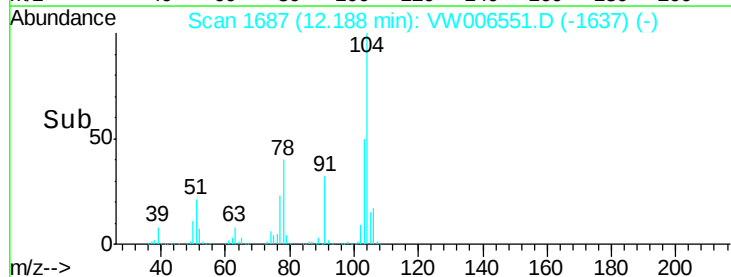
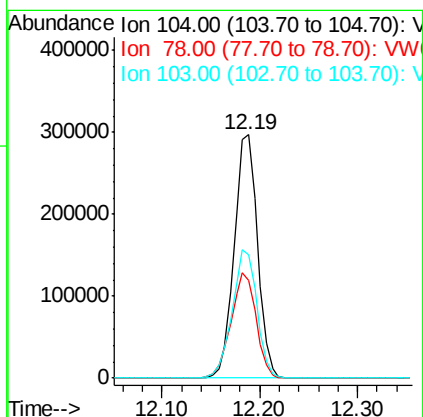
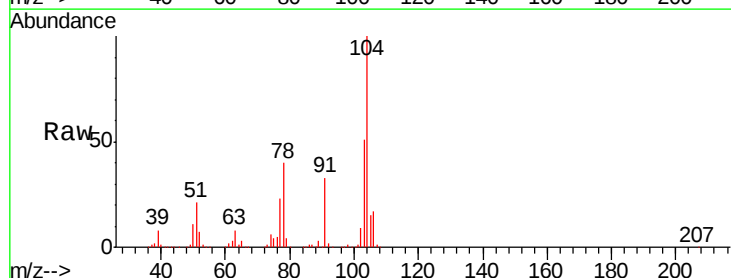
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

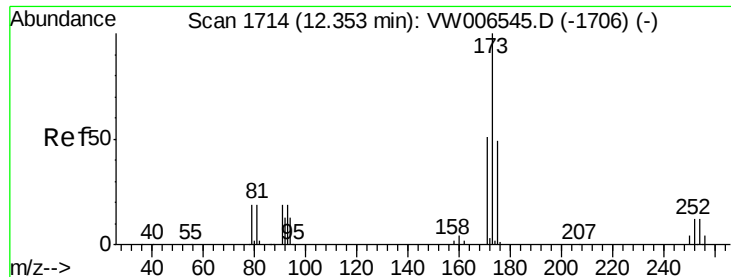
Tgt Ion:106 Resp: 303838
Ion Ratio Lower Upper
106 100
91 207.0 102.8 308.4



#70
Styrene
Concen: 53.46 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion:104 Resp: 491420
Ion Ratio Lower Upper
104 100
78 46.6 37.2 55.8
103 55.6 44.2 66.2





#71

Bromoform

Concen: 51.65 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

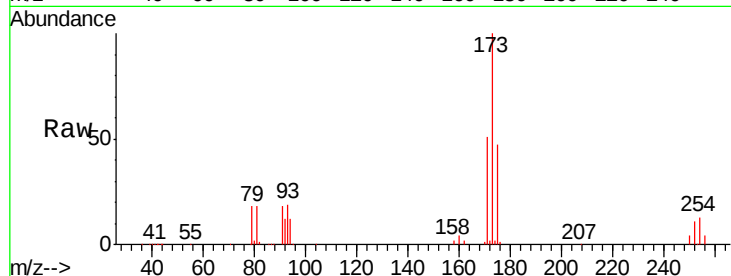
Tgt Ion:173 Resp: 85337

Ion Ratio Lower Upper

173 100

175 47.9 24.1 72.4

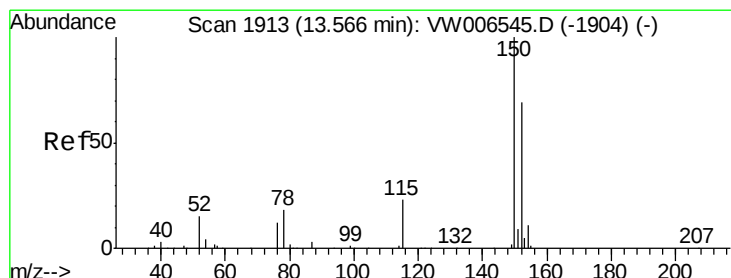
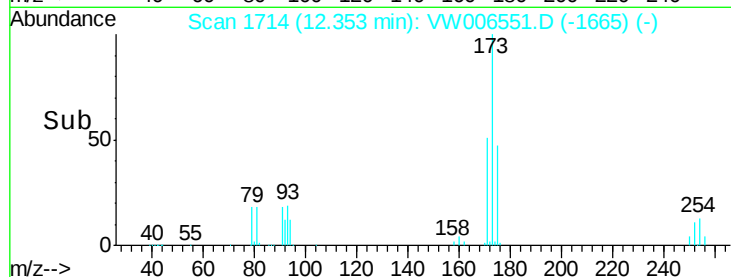
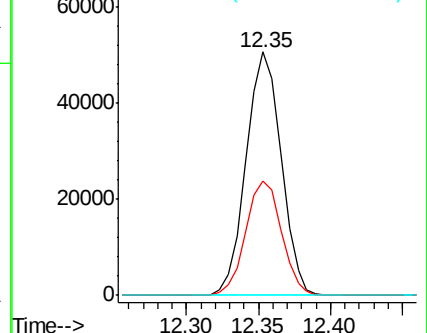
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

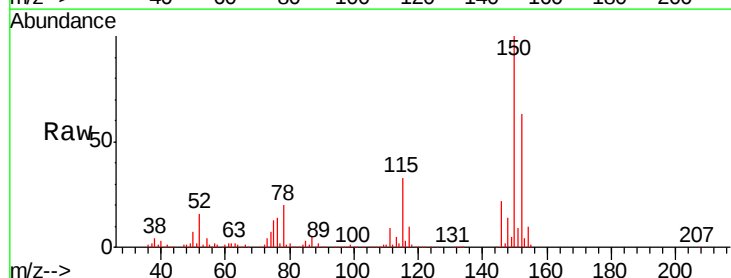
Tgt Ion:152 Resp: 233957

Ion Ratio Lower Upper

152 100

115 53.8 26.6 79.8

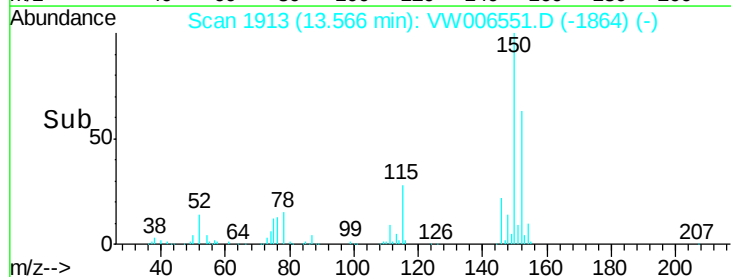
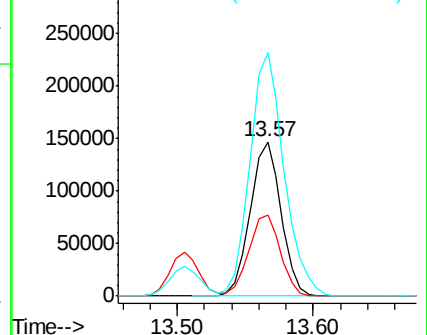
150 174.4 0.0 344.6

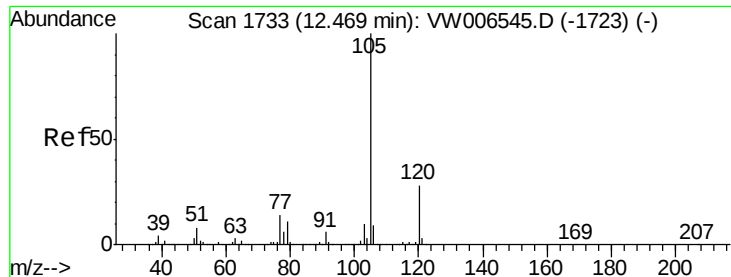


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.00 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

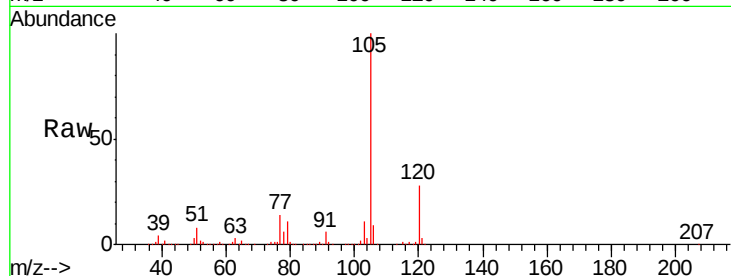
VSTDCCC050

Tgt Ion: 105 Resp: 863073

Ion Ratio Lower Upper

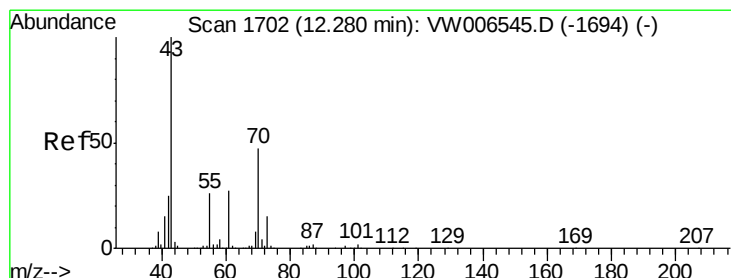
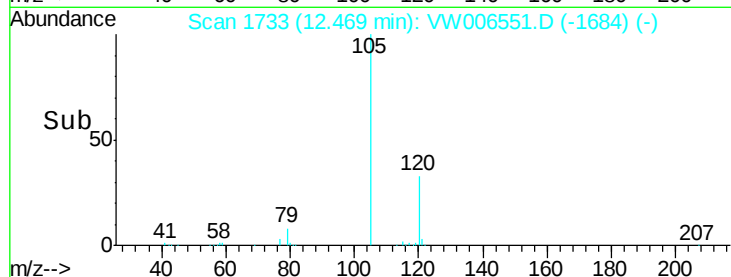
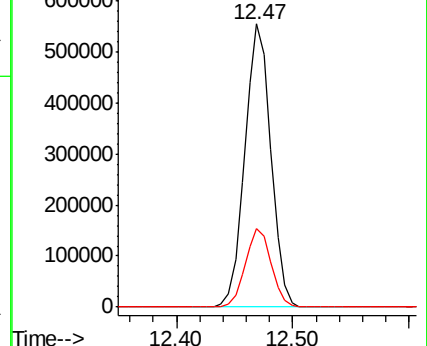
105 100

120 27.5 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.06 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Tgt Ion: 43 Resp: 127991

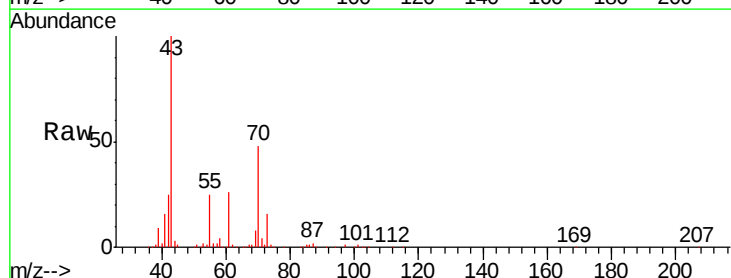
Ion Ratio Lower Upper

43 100

70 47.0 36.9 55.3

55 25.7 20.7 31.1

61 26.1 20.7 31.1

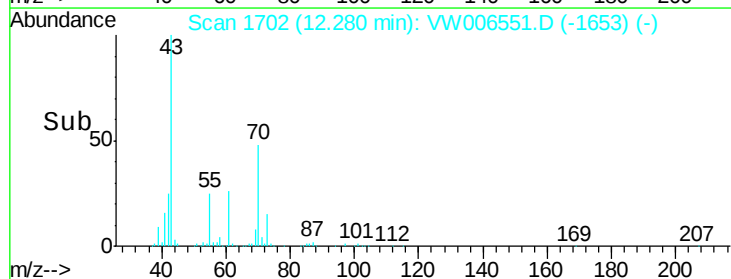
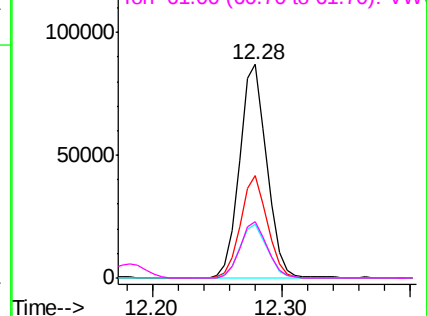


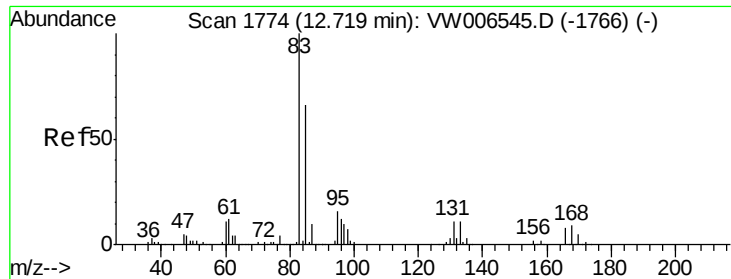
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 47.85 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

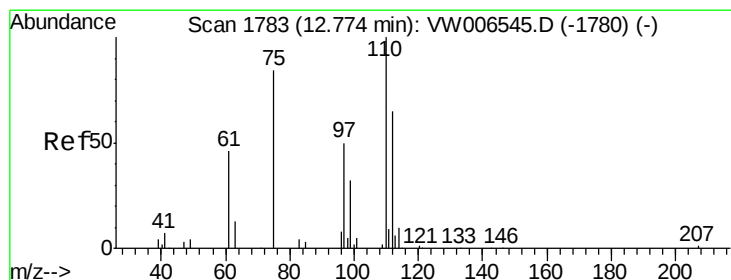
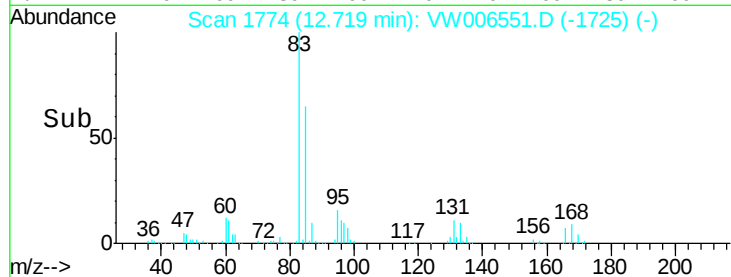
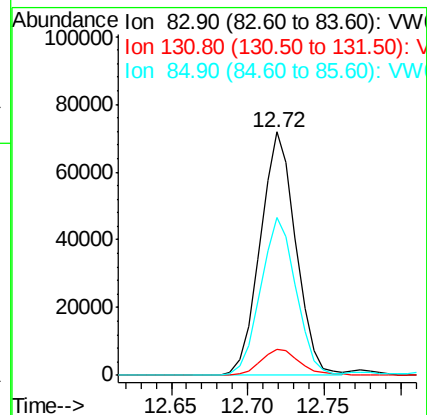
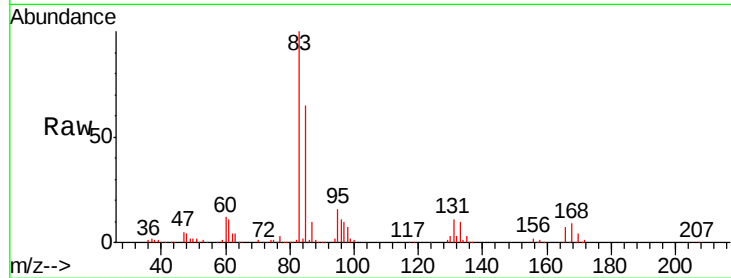
Tgt Ion: 83 Resp: 116484

Ion Ratio Lower Upper

83 100

131 11.9 5.9 17.7

85 64.3 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 83.47 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006551.D

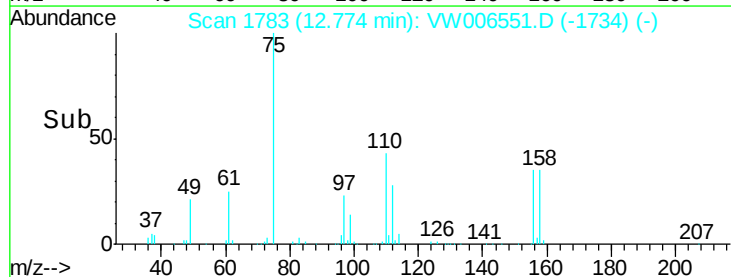
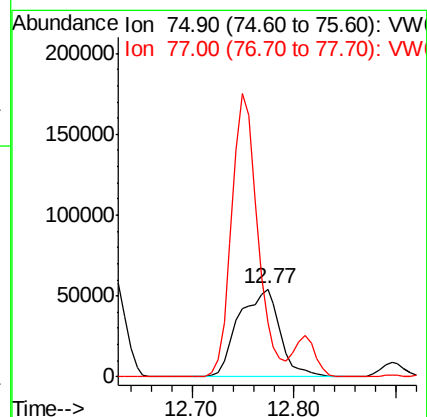
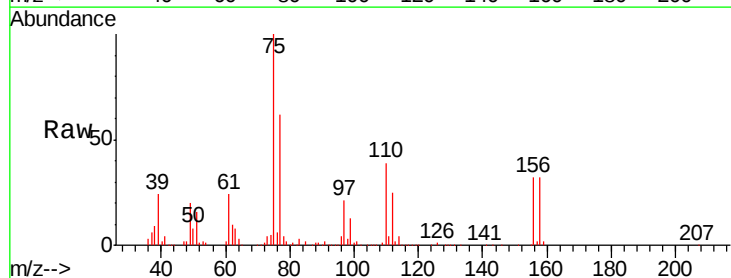
Acq: 01 Nov 2018 10:43

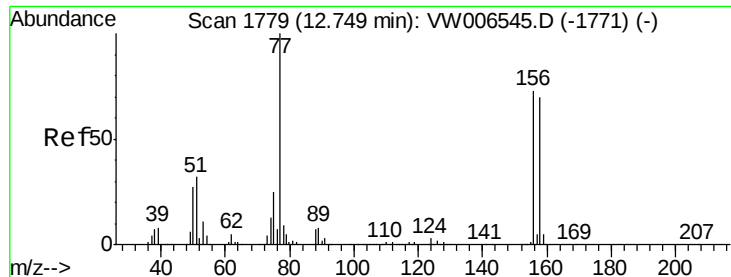
Tgt Ion: 75 Resp: 152373

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.67 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

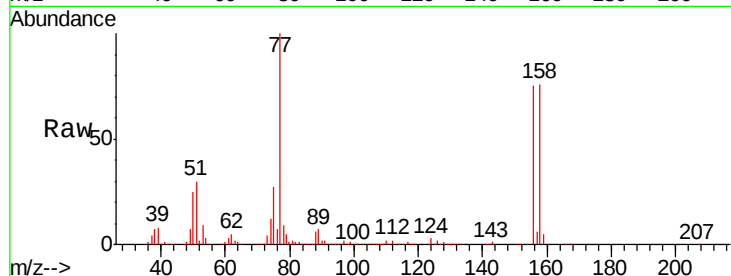
Tgt Ion:156 Resp: 206189

Ion Ratio Lower Upper

156 100

77 150.9 75.9 227.8

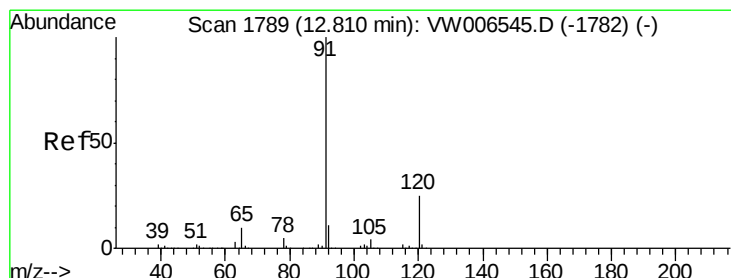
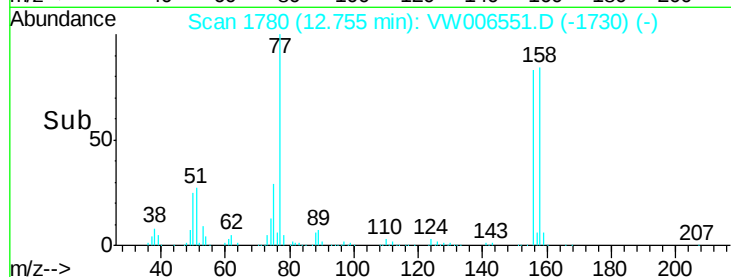
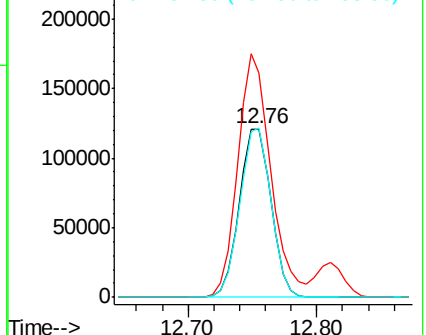
158 98.3 48.6 145.9



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: 56.17 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006551.D

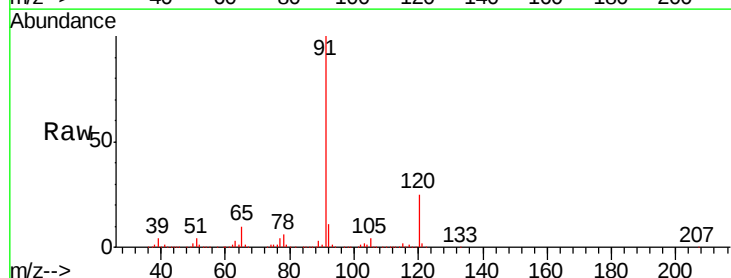
Acq: 01 Nov 2018 10:43

Tgt Ion: 91 Resp: 995679

Ion Ratio Lower Upper

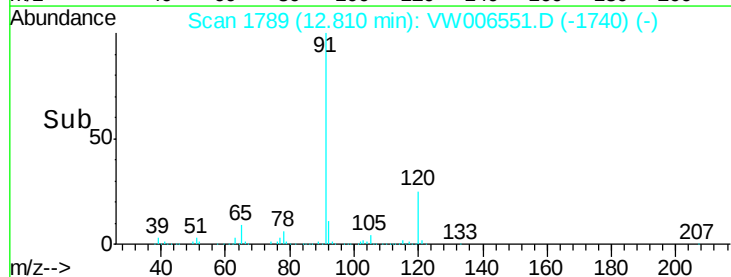
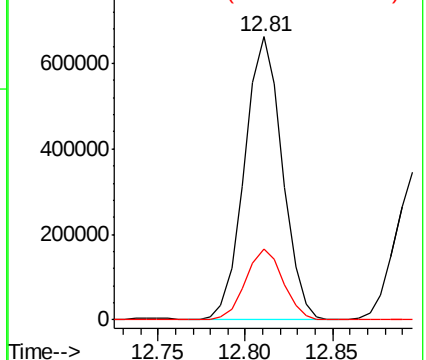
91 100

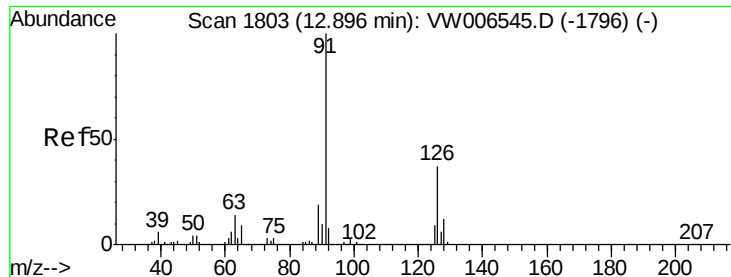
120 24.9 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.10 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

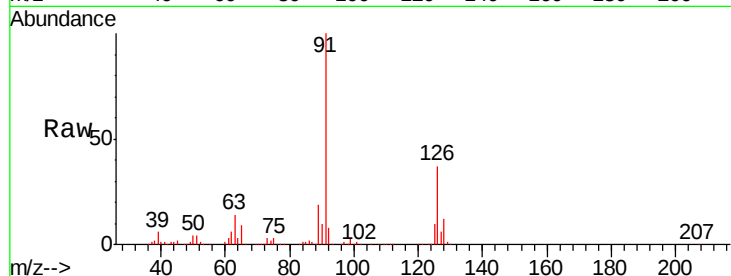
VSTDCCC050

Tgt Ion: 91 Resp: 550393

Ion Ratio Lower Upper

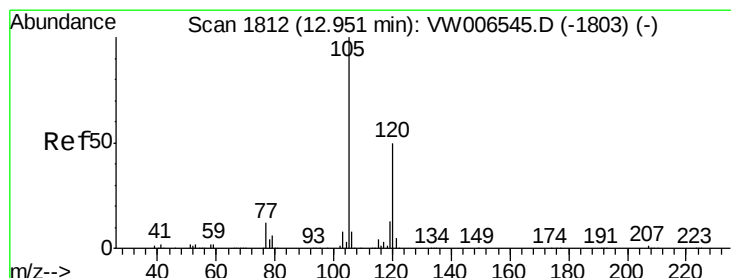
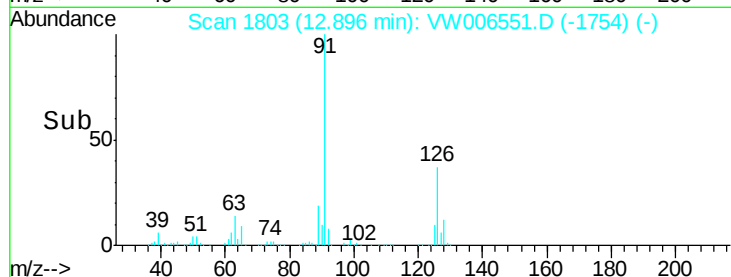
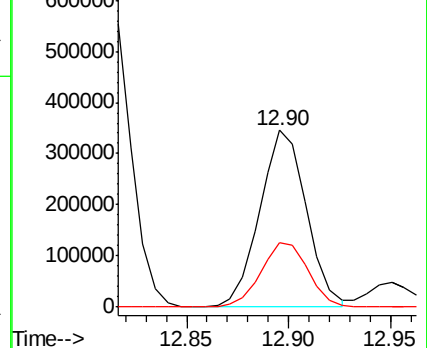
91 100

126 37.4 18.5 55.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.53 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006551.D

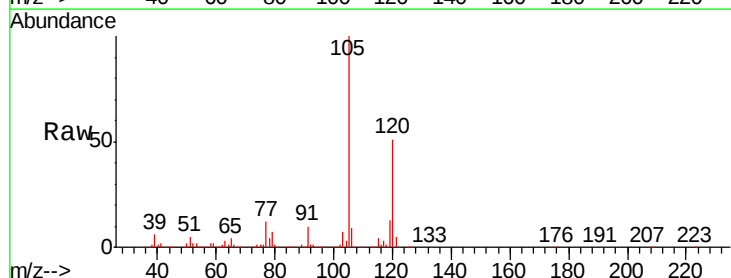
Acq: 01 Nov 2018 10:43

Tgt Ion: 105 Resp: 719055

Ion Ratio Lower Upper

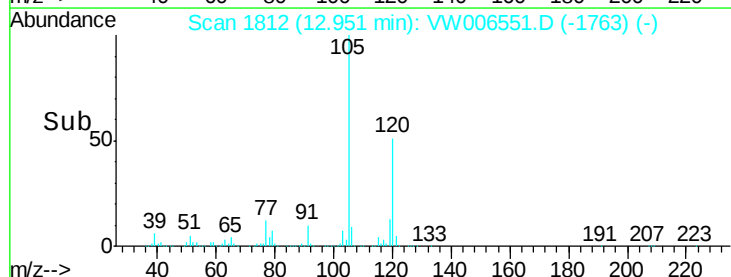
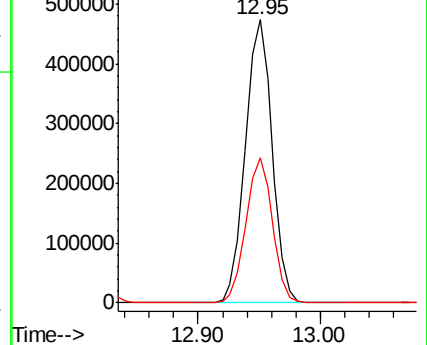
105 100

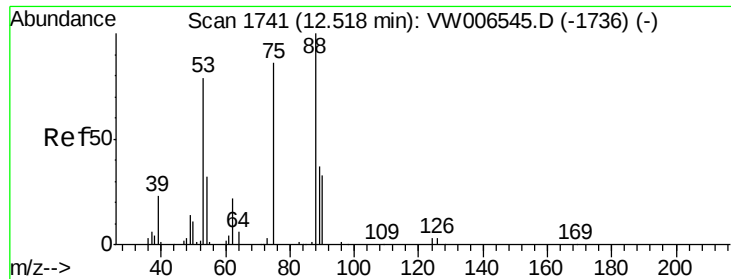
120 50.7 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

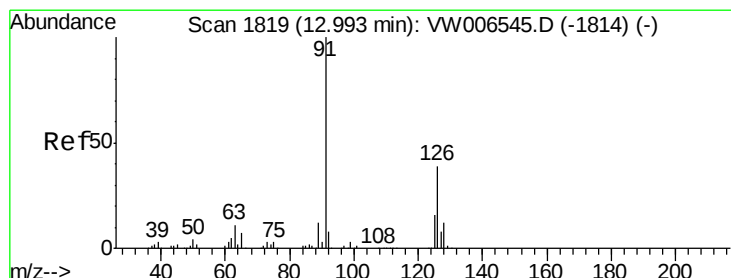
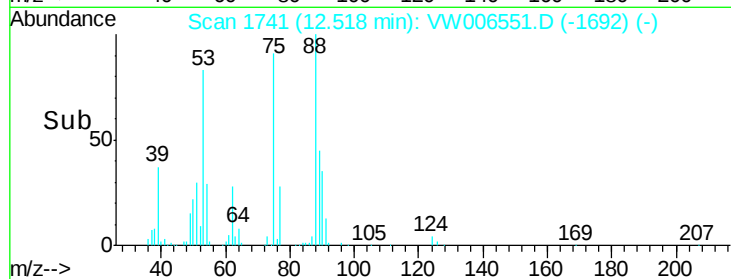
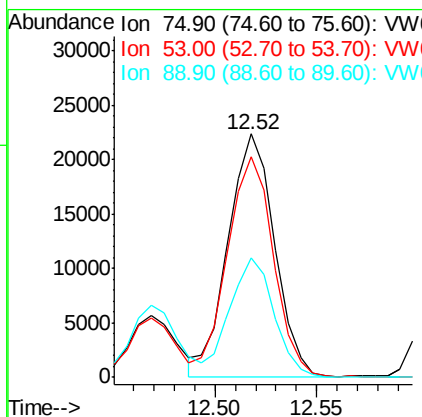
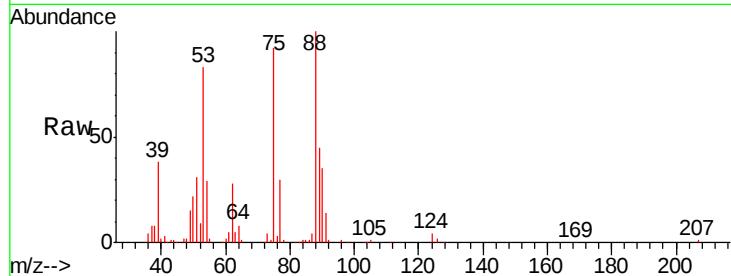




#81
trans-1,4-Dichloro-2-butene
Concen: 49.67 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

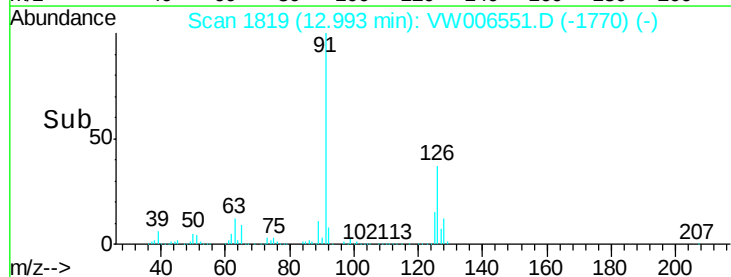
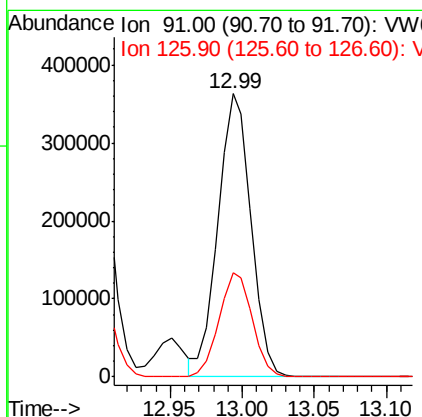
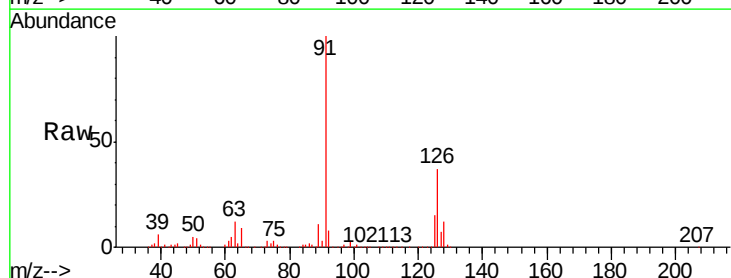
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

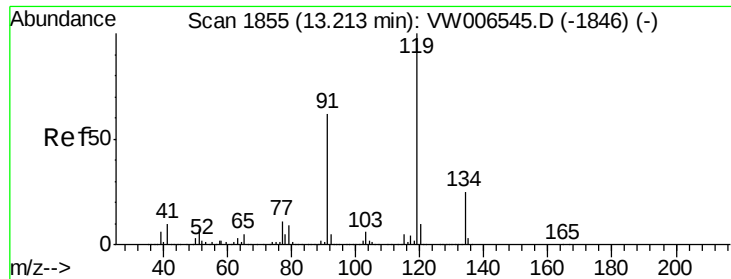
Tgt Ion: 75 Resp: 34998
Ion Ratio Lower Upper
75 100
53 91.6 77.2 115.8
89 47.1 38.6 58.0



#82
4-Chlorotoluene
Concen: 54.14 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion: 91 Resp: 582739
Ion Ratio Lower Upper
91 100
126 36.8 18.5 55.5

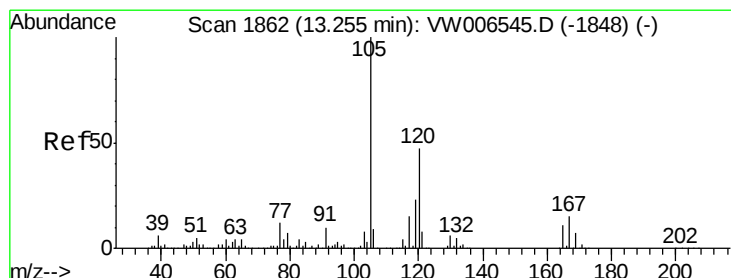
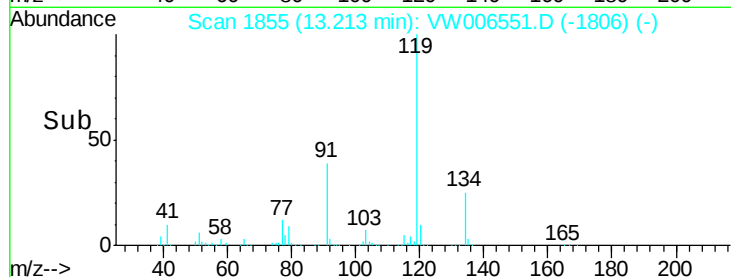
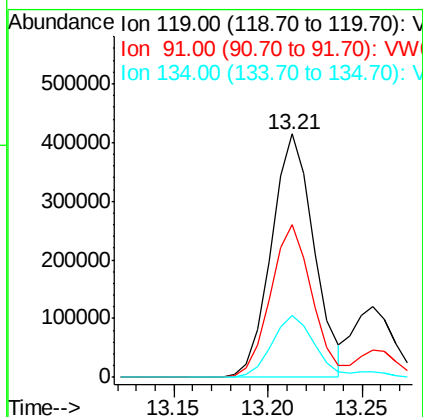
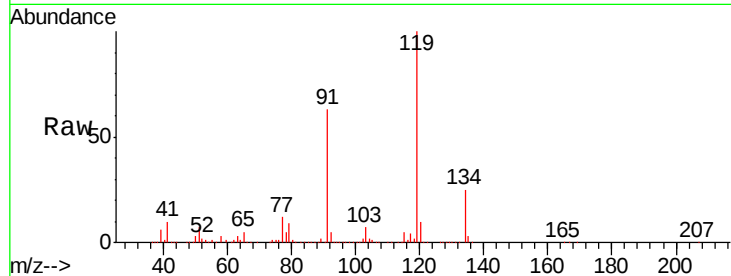




#83
 tert-Butylbenzene
 Concen: 56.11 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

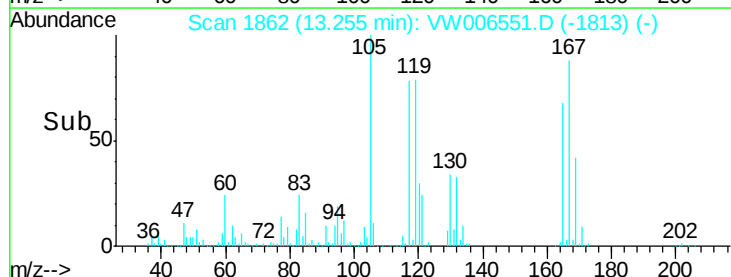
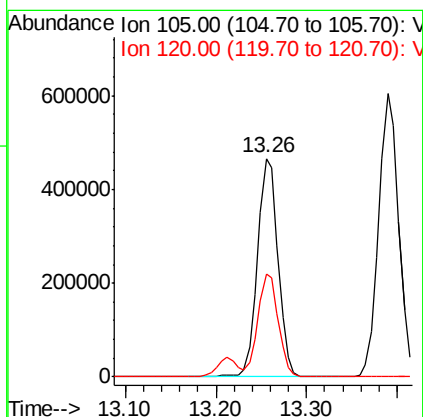
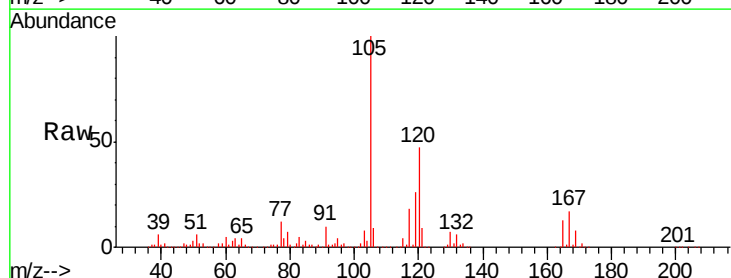
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

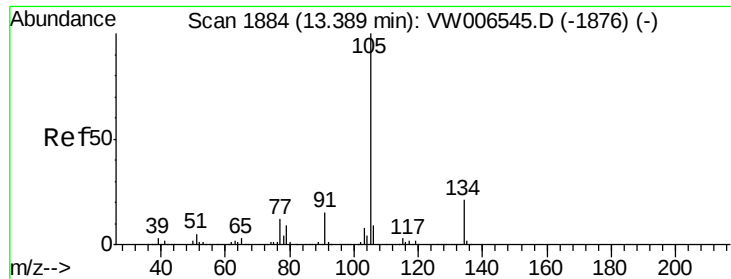
Tgt Ion:119 Resp: 647932
 Ion Ratio Lower Upper
 119 100
 91 62.2 30.4 91.3
 134 25.4 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 55.00 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

Tgt Ion:105 Resp: 730445
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.2 69.6





#85

sec-Butylbenzene

Concen: 57.04 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

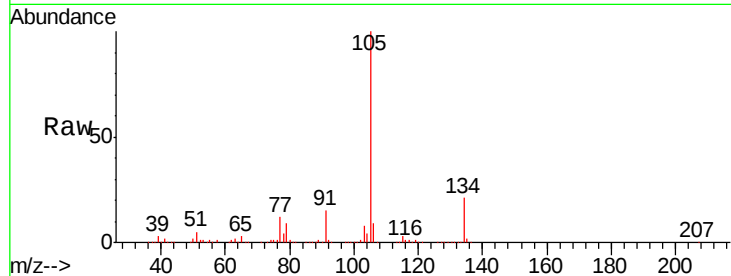
VSTDCCC050

Tgt Ion:105 Resp: 922434

Ion Ratio Lower Upper

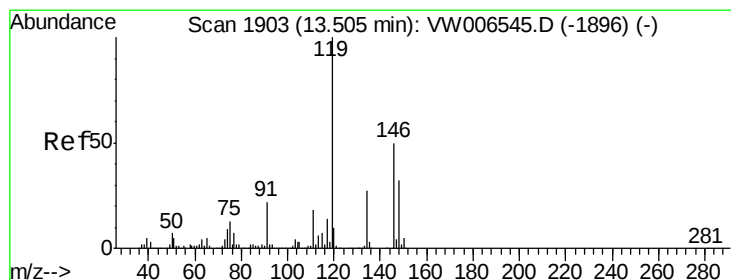
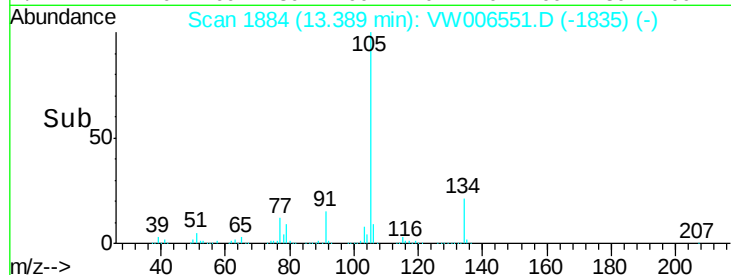
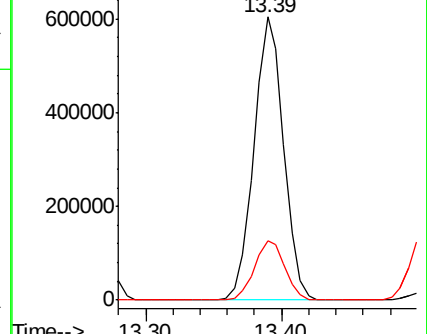
105 100

134 21.6 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.21 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

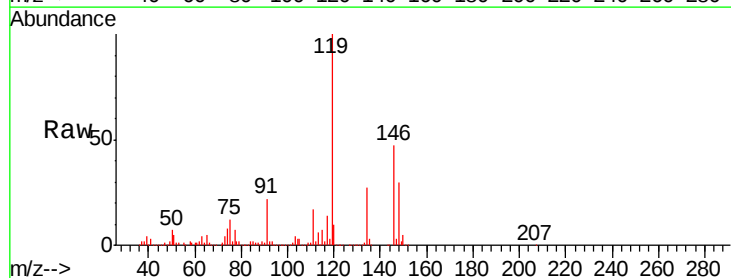
Tgt Ion:119 Resp: 841803

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.7

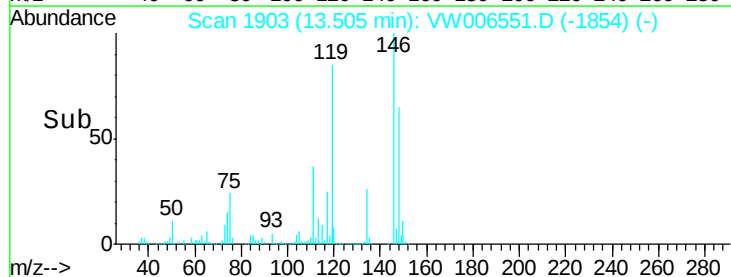
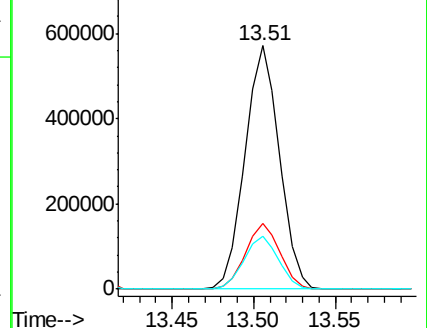
91 21.8 10.9 32.6

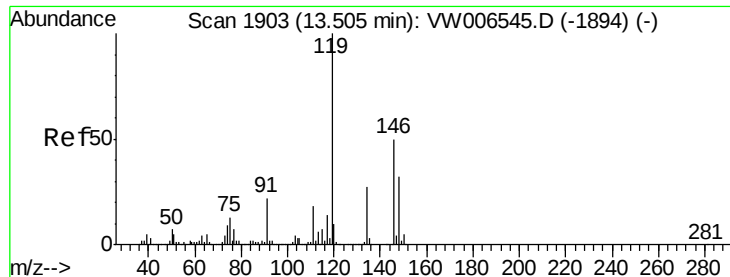


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 53.26 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

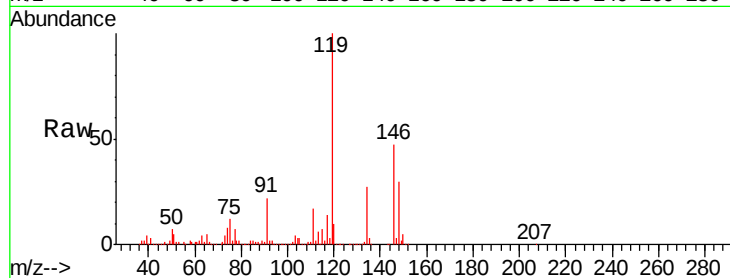
Tgt Ion:146 Resp: 418505

Ion Ratio Lower Upper

146 100

111 37.4 18.6 55.6

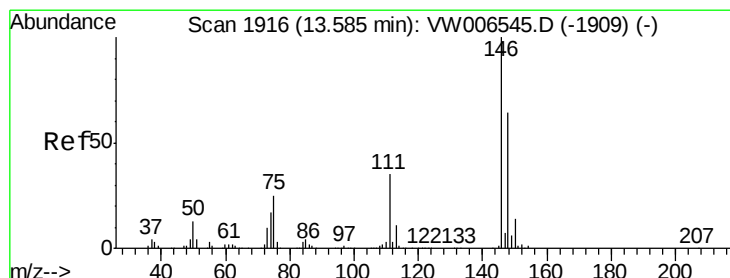
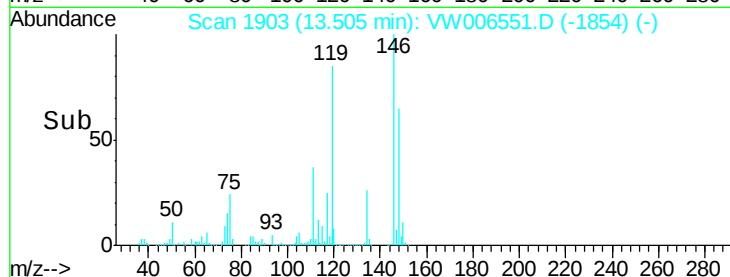
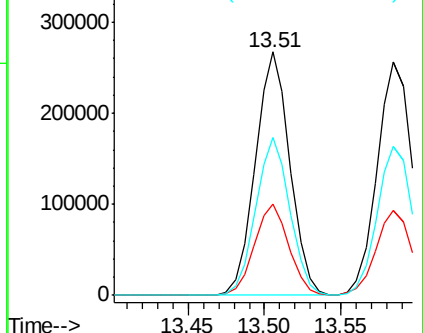
148 64.4 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 52.57 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

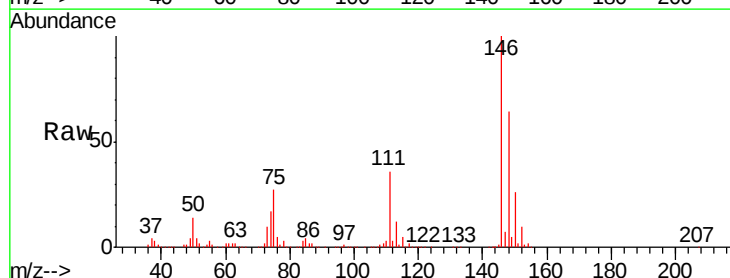
Tgt Ion:146 Resp: 409510

Ion Ratio Lower Upper

146 100

111 36.7 17.9 53.7

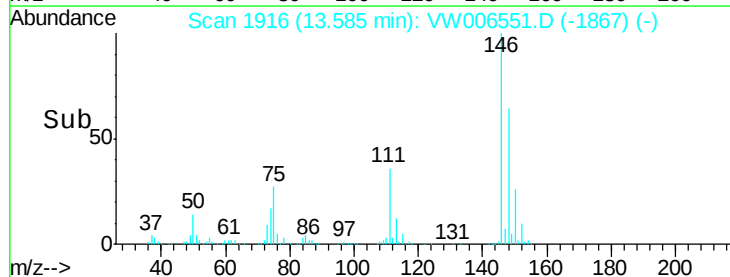
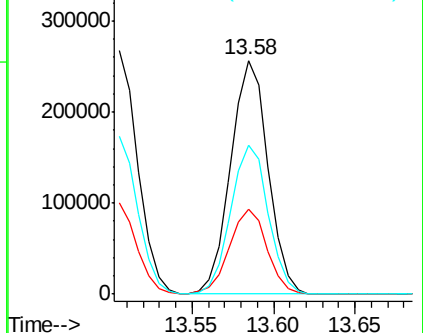
148 64.1 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 58.00 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

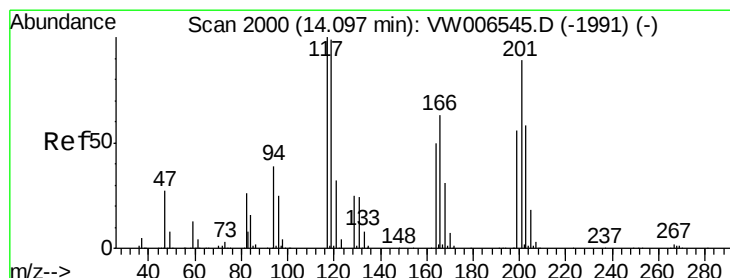
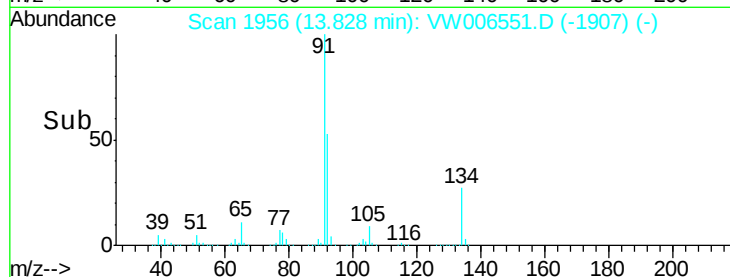
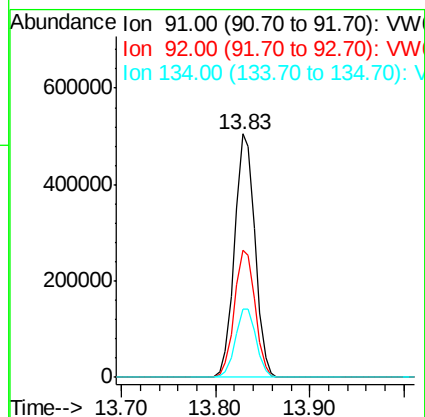
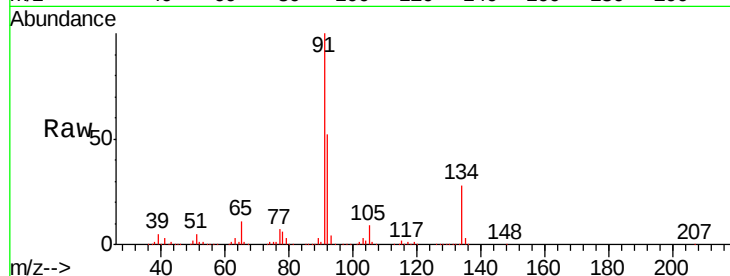
Tgt Ion: 91 Resp: 757645

Ion Ratio Lower Upper

91 100

92 53.0 26.4 79.0

134 28.5 14.3 42.9



#90

Hexachloroethane

Concen: 57.44 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW006551.D

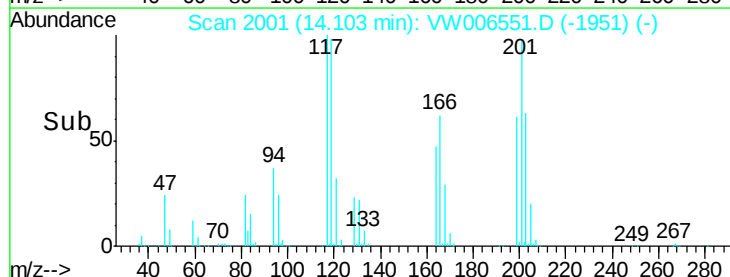
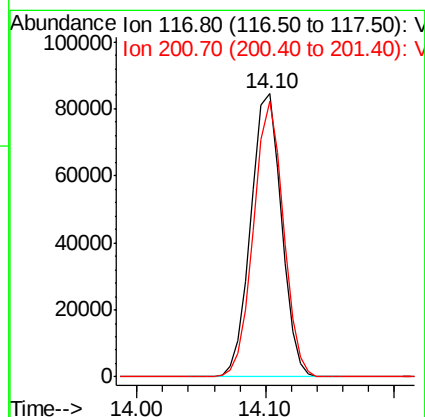
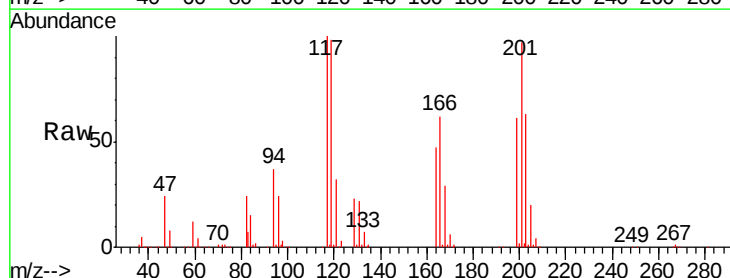
Acq: 01 Nov 2018 10:43

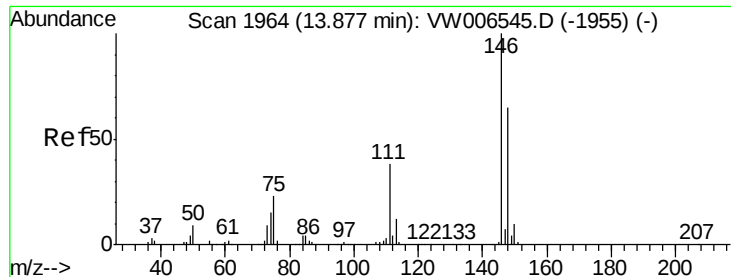
Tgt Ion: 117 Resp: 138926

Ion Ratio Lower Upper

117 100

201 94.2 46.8 140.3





#91

1,2-Dichlorobenzene

Concen: 51.16 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

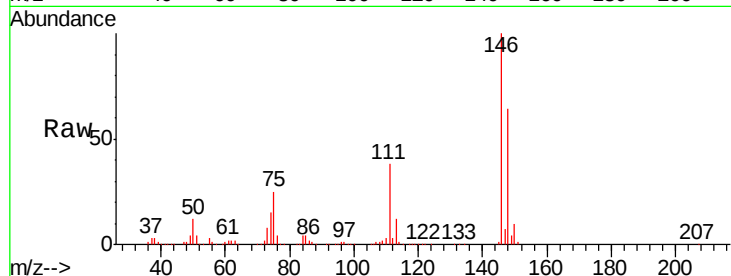
Tgt Ion:146 Resp: 361652

Ion Ratio Lower Upper

146 100

111 38.2 19.1 57.5

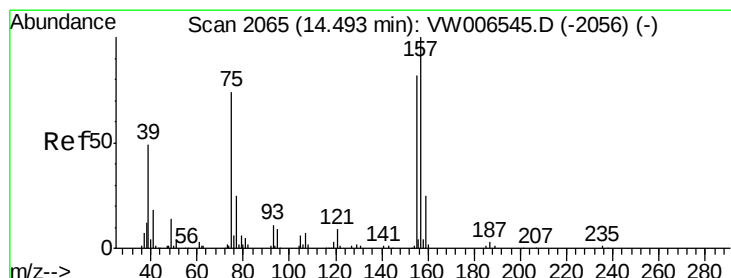
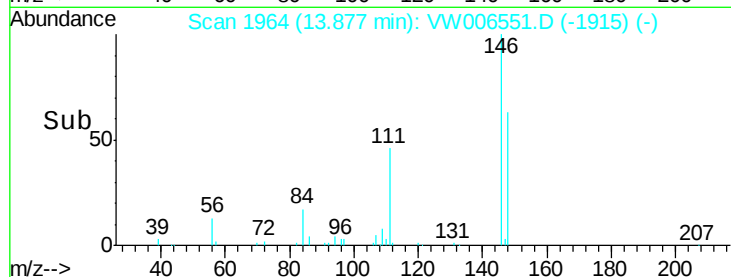
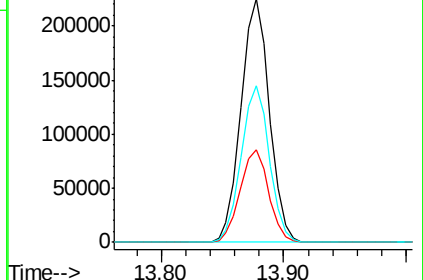
148 63.8 32.0 96.0



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: 46.97 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

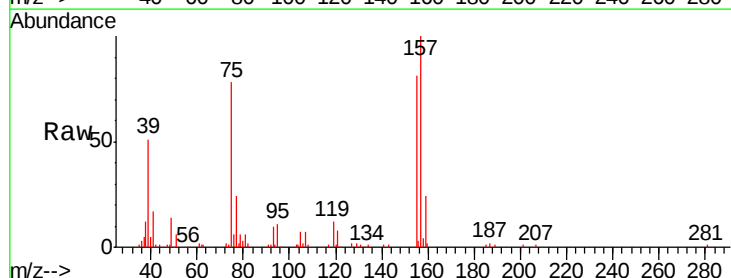
Tgt Ion: 75 Resp: 18554

Ion Ratio Lower Upper

75 100

155 100.5 50.6 151.8

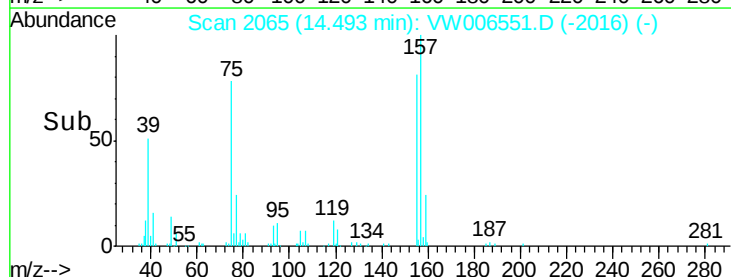
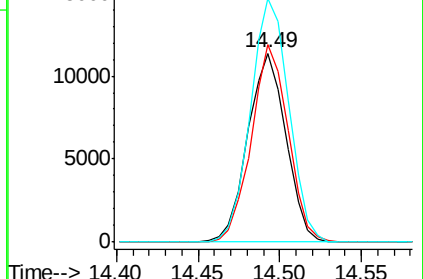
157 129.1 65.0 195.0

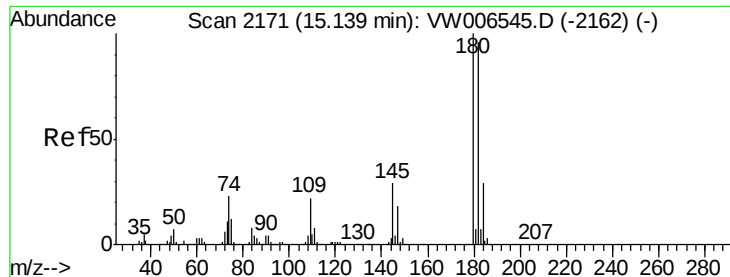


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

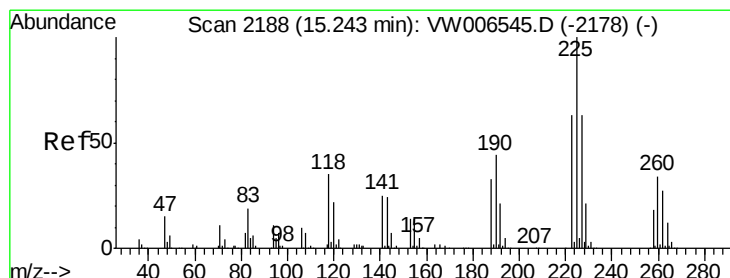
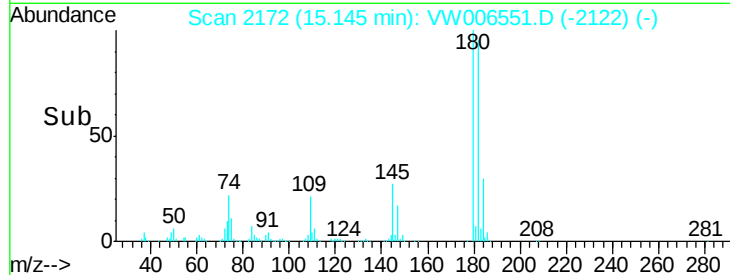
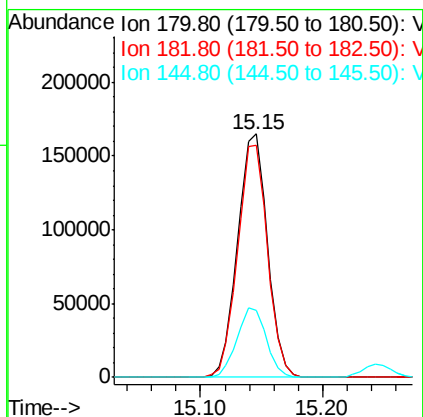
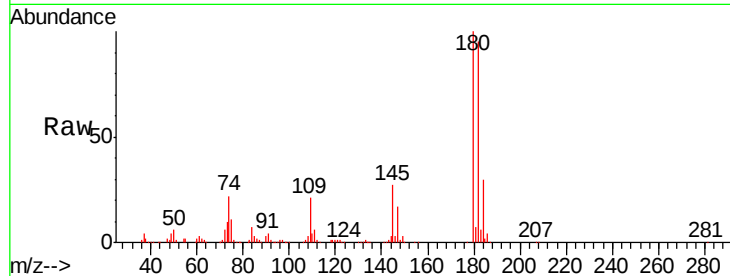




#93
 1,2,4-Trichlorobenzene
 Concen: 52.94 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

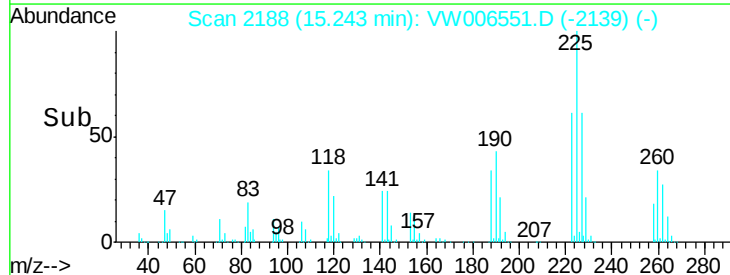
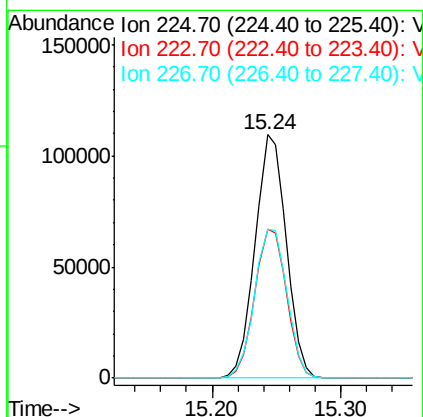
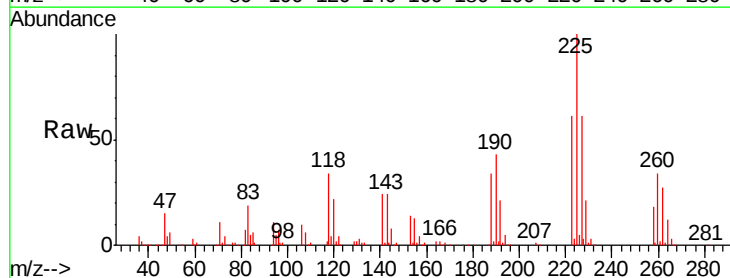
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

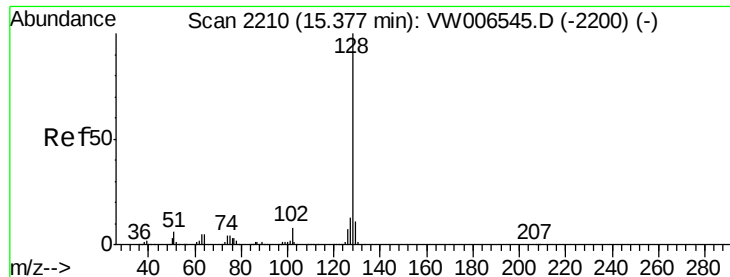
Tgt Ion:180 Resp: 278288
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.5 142.6
 145 28.2 14.0 42.0



#94
 Hexachlorobutadiene
 Concen: 55.88 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

Tgt Ion:225 Resp: 183045
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.4 94.2
 227 63.5 32.2 96.6





#95

Naphthalene

Concen: 49.50 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

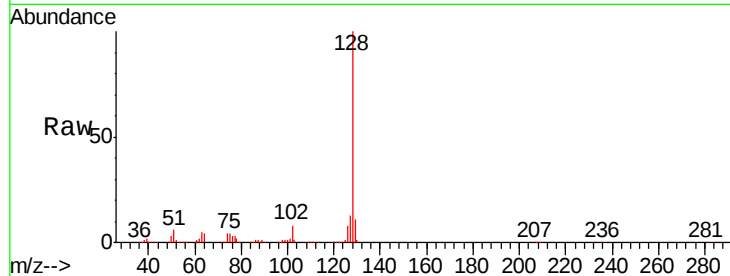
Tgt Ion:128 Resp: 418149

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

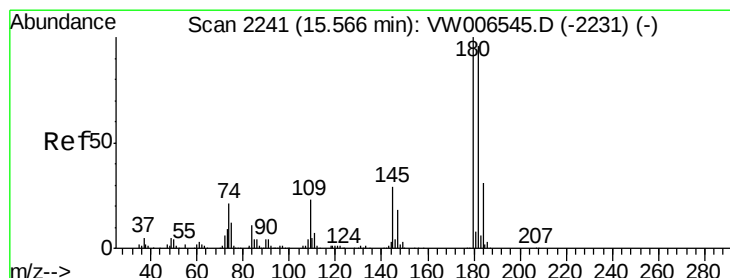
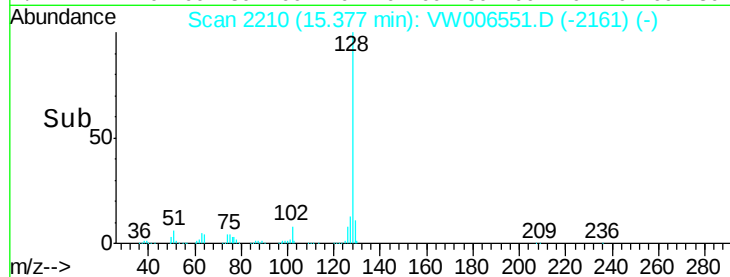
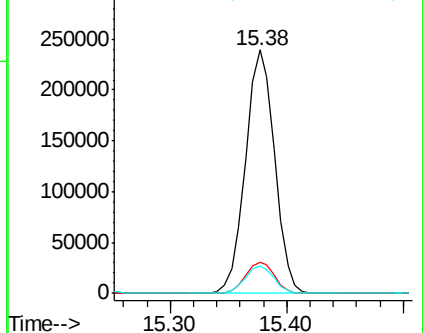
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.81 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

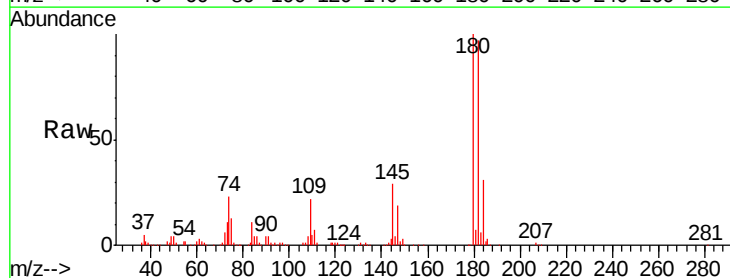
Tgt Ion:180 Resp: 234736

Ion Ratio Lower Upper

180 100

182 96.2 48.2 144.6

145 30.1 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

