

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082018\
 Data File : VW004807.D
 Acq On : 20 Aug 2018 23:28
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 21 01:56:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	648356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	975566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	907730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	479424	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	317211	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
35) Dibromofluoromethane	7.88	113	323488	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
50) Toluene-d8	10.33	98	1278443	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
62) 4-Bromofluorobenzene	12.62	95	466115	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	199934	46.554	ug/l	99
3) Chloromethane	2.22	50	266711	47.499	ug/l	100
4) Vinyl Chloride	2.37	62	444403	53.768	ug/l	100
5) Bromomethane	2.78	94	275835	54.037	ug/l	99
6) Chloroethane	2.93	64	273964	54.934	ug/l	96
7) Trichlorofluoromethane	3.26	101	230735	59.258	ug/l	97
8) Diethyl Ether	3.68	74	194595	55.275	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	358676	53.494	ug/l	100
10) Methyl Iodide	4.27	142	563231	55.312	ug/l	99
11) Tert butyl alcohol	5.22	59	103522	295.610	ug/l	100
12) 1,1-Dichloroethene	4.04	96	346799	51.904	ug/l	99
13) Acrolein	3.90	56	163001	346.853	ug/l	98
14) Allyl chloride	4.67	41	555352	54.771	ug/l	99
15) Acrylonitrile	5.38	53	411331	278.603	ug/l	99
16) Acetone	4.14	43	416223	260.116	ug/l	100
17) Carbon Disulfide	4.38	76	1164191	53.020	ug/l	100
18) Methyl Acetate	4.68	43	198605	57.919	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	504970	58.222	ug/l	97
20) Methylene Chloride	4.91	84	424733	58.903	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	383431	53.936	ug/l	99
22) Diisopropyl ether	6.31	45	1145260	58.764	ug/l	99
23) Vinyl Acetate	6.26	43	3176215	288.131	ug/l	99
24) 1,1-Dichloroethane	6.21	63	687501	54.285	ug/l	99
25) 2-Butanone	7.18	43	633754	277.974	ug/l	100
26) 2,2-Dichloropropane	7.17	77	380042	51.954	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	420640	54.963	ug/l	99
28) Bromochloromethane	7.51	49	292398	54.826	ug/l	98
29) Tetrahydrofuran	7.54	42	335468	288.556	ug/l	99
30) Chloroform	7.68	83	673952	54.108	ug/l	99
31) Cyclohexane	7.96	56	638021	52.083	ug/l	99
32) 1,1,1-Trichloroethane	7.88	97	538268	54.517	ug/l	99
36) 1,1-Dichloropropene	8.09	75	535946	53.328	ug/l	100
37) Ethyl Acetate	7.26	43	225796	56.361	ug/l	98
38) Carbon Tetrachloride	8.07	117	494479	53.451	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	697435	55.491	ug/l	97
40) Benzene	8.33	78	1579176	54.068	ug/l	99
41) Methacrylonitrile	7.49	41	126293	55.547	ug/l	94
42) 1,2-Dichloroethane	8.40	62	406436	54.266	ug/l	100
43) Isopropyl Acetate	8.43	43	410500	57.045	ug/l	99
44) Trichloroethene	9.10	130	393296	53.047	ug/l	99
45) 1,2-Dichloropropane	9.37	63	390576	54.669	ug/l	99
46) Dibromomethane	9.46	93	191630	54.142	ug/l	99
47) Bromodichloromethane	9.65	83	462859	54.757	ug/l	100
48) Methyl methacrylate	9.44	41	196073	58.067	ug/l	99
49) 1,4-Dioxane	9.48	88	64389	1245.176	ug/l #	85
51) 4-Methyl-2-Pentanone	10.21	43	1423946	292.784	ug/l	100
52) Toluene	10.39	92	966461	55.173	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	472621	55.495	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	563413	55.493	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	278210	55.297	ug/l	99
56) Ethyl methacrylate	10.65	69	354468	53.695	ug/l	99
57) 1,3-Dichloropropane	10.93	76	482315	55.537	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	795761	286.397	ug/l	100
59) 2-Hexanone	10.98	43	970133	294.397	ug/l	99
60) Dibromochloromethane	11.13	129	314557	55.726	ug/l	99
61) 1,2-Dibromoethane	11.24	107	266855	55.489	ug/l	99
64) Tetrachloroethene	10.87	164	347312	55.985	ug/l	99
65) Chlorobenzene	11.66	112	1060461	54.279	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	364816	55.302	ug/l	99
67) Ethyl Benzene	11.74	91	1864980	56.308	ug/l	100
68) m/p-Xylenes	11.85	106	1458099	113.154	ug/l	100
69) o-Xylene	12.17	106	686569	57.554	ug/l	98
70) Styrene	12.19	104	1159085	57.844	ug/l	100
71) Bromoform	12.35	173	193773	55.652	ug/l	100
73) Isopropylbenzene	12.47	105	1887480	57.870	ug/l	99
74) N-amyl acetate	12.28	43	405679	52.857	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	340218	56.309	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	433087	102.476	ug/l #	100
77) Bromobenzene	12.75	156	439657	55.691	ug/l	99
78) n-propylbenzene	12.81	91	2288613	57.503	ug/l	100
79) 2-Chlorotoluene	12.90	91	1304727	56.873	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1608068	58.034	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	101324	55.724	ug/l	98
82) 4-Chlorotoluene	12.99	91	1365219	56.009	ug/l	100
83) tert-Butylbenzene	13.21	119	1378899	58.180	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1645815	57.731	ug/l	100
85) sec-Butylbenzene	13.39	105	2020858	57.111	ug/l	100
86) p-Isopropyltoluene	13.51	119	1778830	57.776	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	887886	55.292	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	874920	54.506	ug/l	100
89) n-Butylbenzene	13.83	91	1692992	56.873	ug/l	100
90) Hexachloroethane	14.10	117	309918	55.224	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	803685	55.721	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	53180	56.318	ug/l	98

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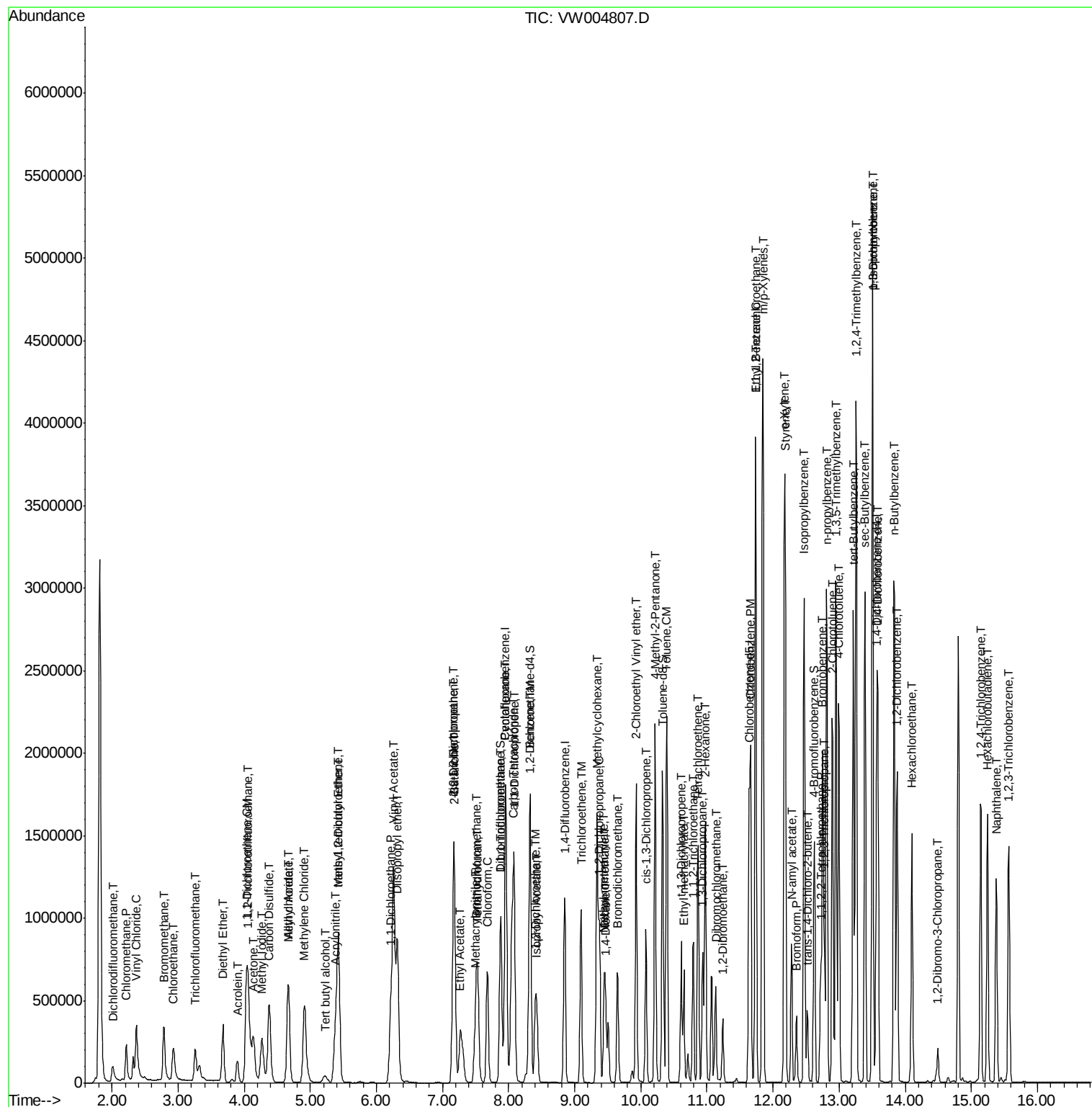
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	578400	56.698	ug/l	100
94) Hexachlorobutadiene	15.24	225	348293	55.624	ug/l	99
95) Naphthalene	15.38	128	1058128	53.285	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	515709	57.007	ug/l	99

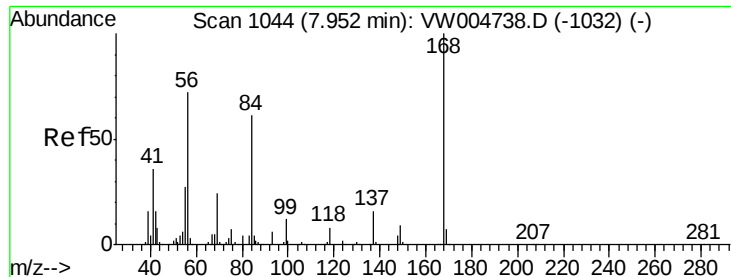
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

Instrument :

MSVOA_W

ClientSampleId :

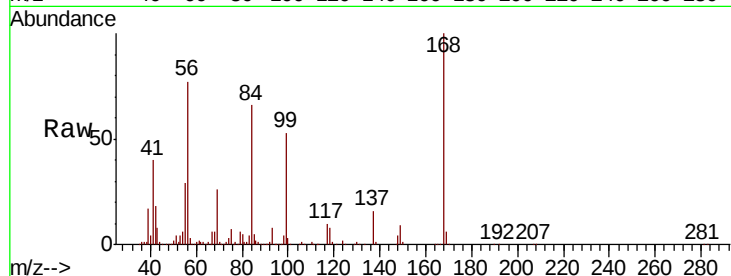
VSTDCCC050

Tgt Ion:168 Resp: 648356

Ion Ratio Lower Upper

168 100

99 52.5 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

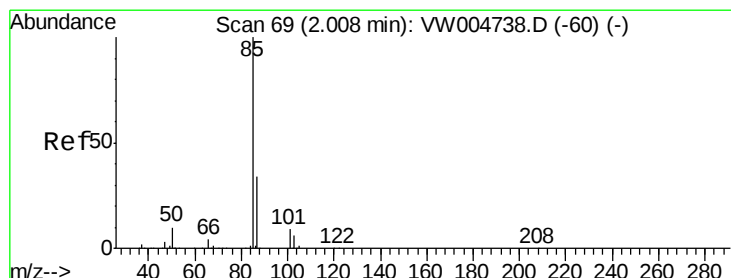
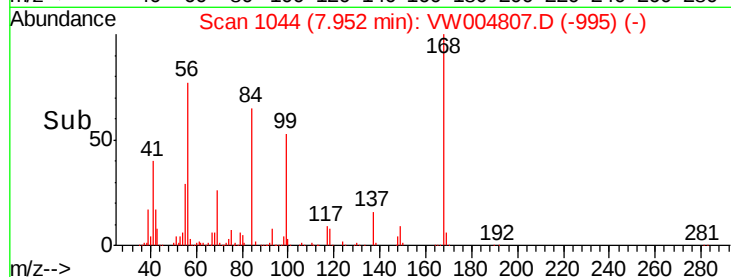
200000

100000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.554 ug/l

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004807.D

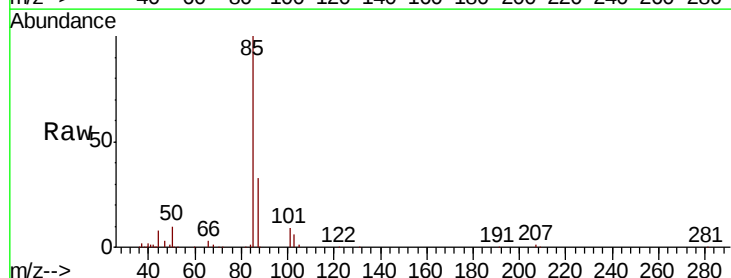
Acq: 20 Aug 2018 23:28

Tgt Ion: 85 Resp: 199934

Ion Ratio Lower Upper

85 100

87 33.1 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

60000

50000

40000

30000

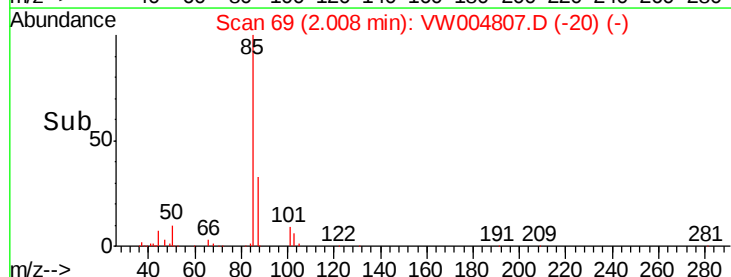
20000

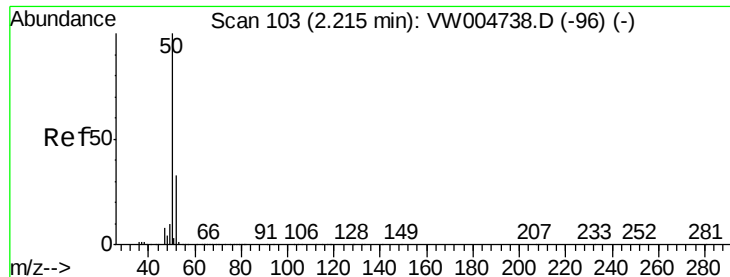
10000

0

1.90 2.00 2.10 2.20 2.30

Time-->





#3

Chloromethane

Concen: 47.499 ug/l

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

Instrument :

MSVOA_W

ClientSampleId :

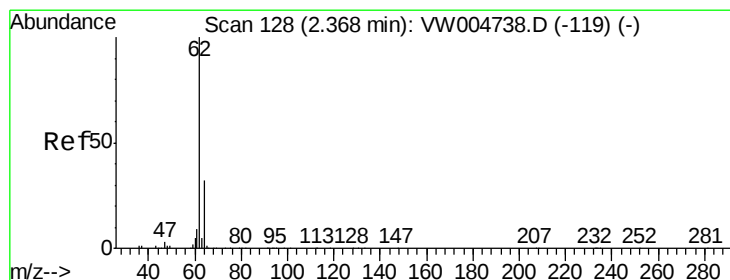
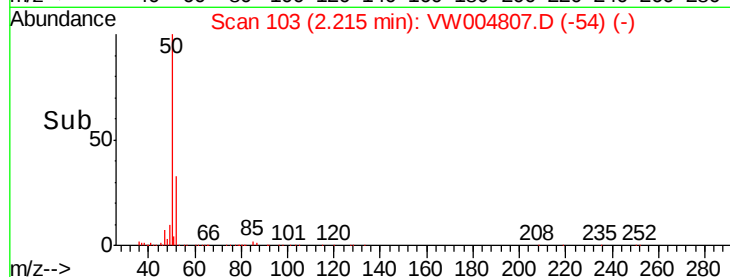
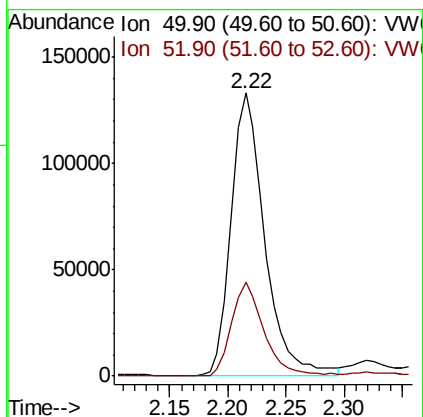
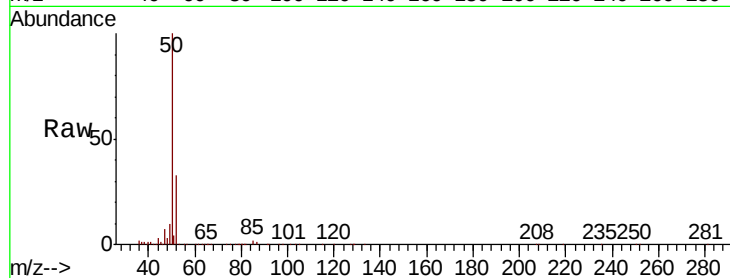
VSTDCCC050

Tgt Ion: 50 Resp: 266711

Ion Ratio Lower Upper

50 100

52 33.4 26.7 40.1



#4

Vinyl Chloride

Concen: 53.768 ug/l

RT: 2.37 min Scan# 128

Delta R.T. -0.00 min

Lab File: VW004807.D

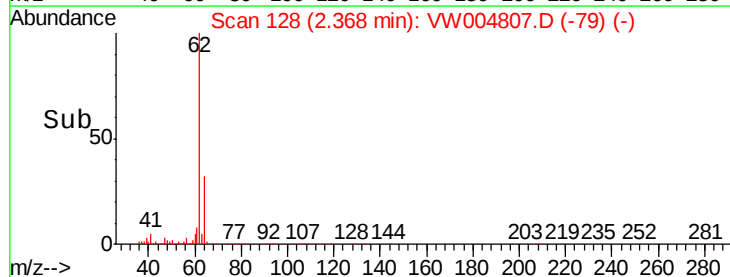
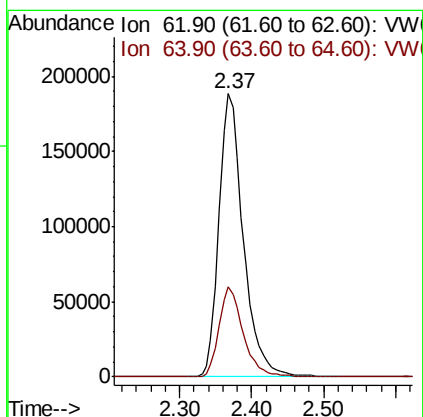
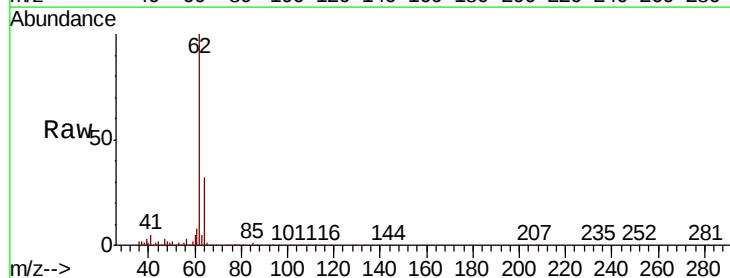
Acq: 20 Aug 2018 23:28

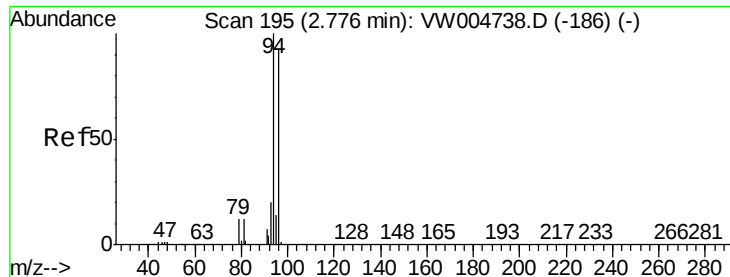
Tgt Ion: 62 Resp: 444403

Ion Ratio Lower Upper

62 100

64 31.6 25.2 37.8





#5

Bromomethane

Concen: 54.037 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

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ClientSampleId :

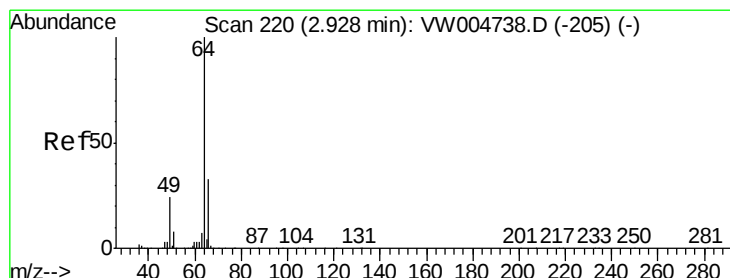
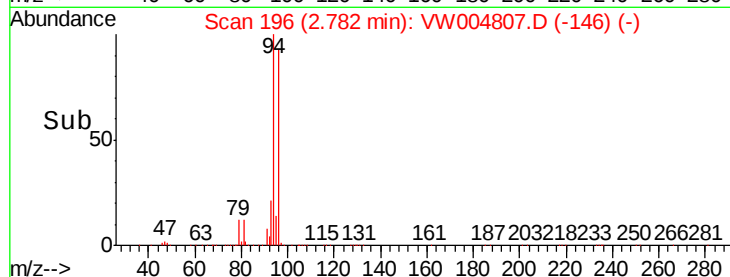
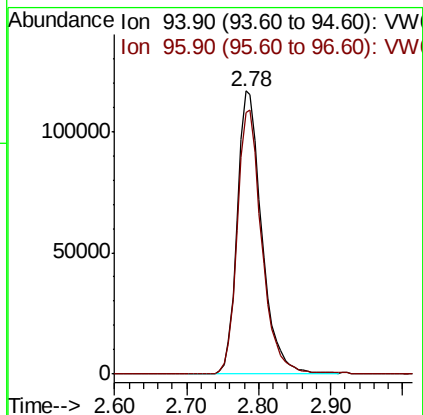
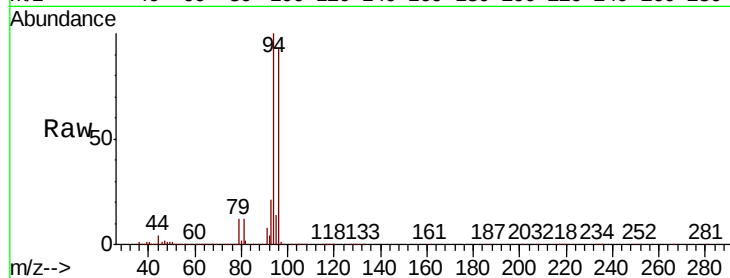
VSTDCCC050

Tgt Ion: 94 Resp: 275835

Ion Ratio Lower Upper

94 100

96 92.4 74.3 111.5



#6

Chloroethane

Concen: 54.934 ug/l

RT: 2.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW004807.D

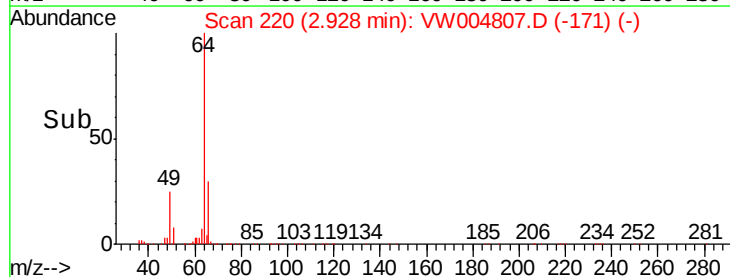
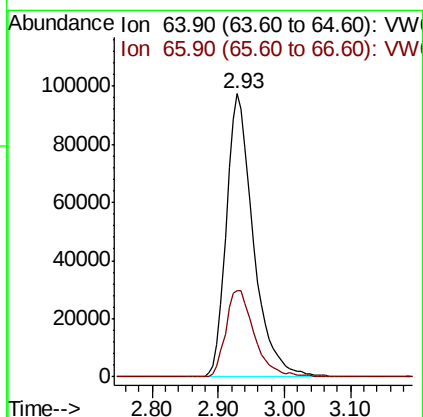
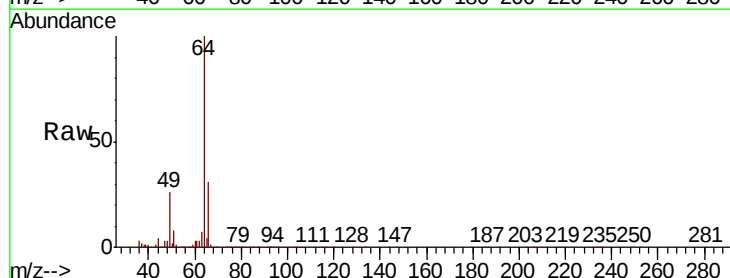
Acq: 20 Aug 2018 23:28

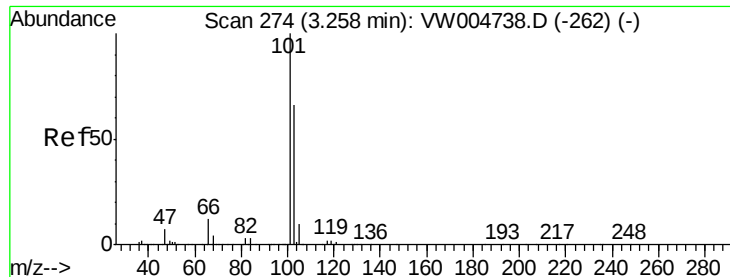
Tgt Ion: 64 Resp: 273964

Ion Ratio Lower Upper

64 100

66 30.4 26.1 39.1



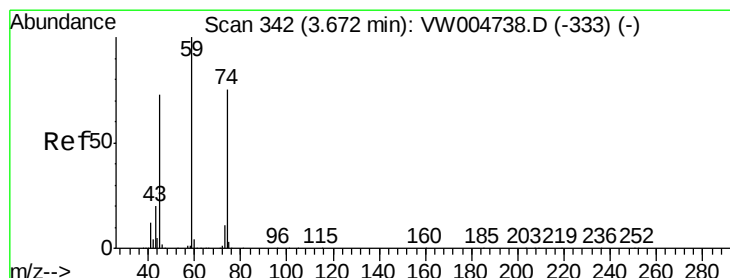
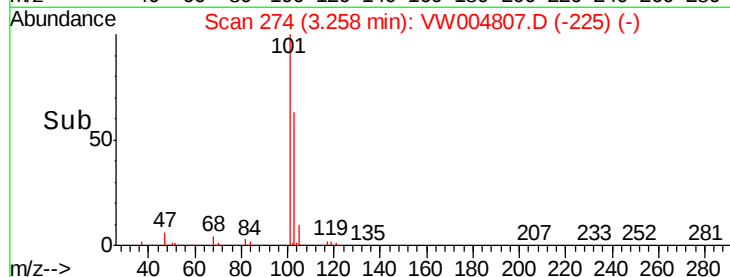
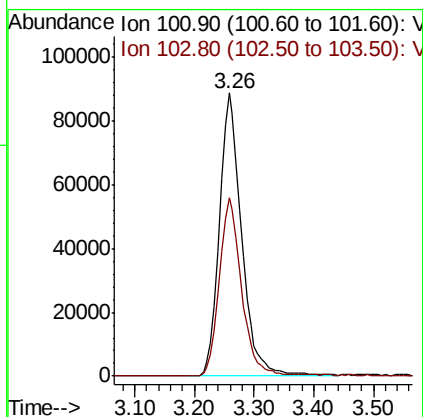
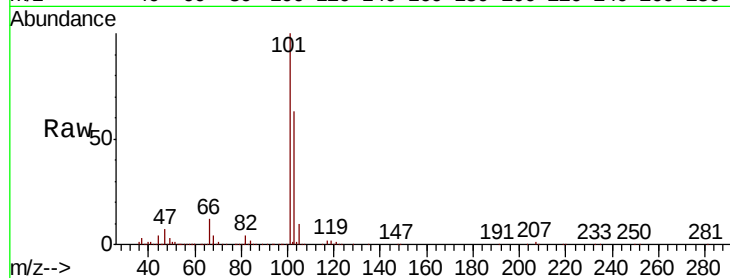


#7

Trichlorofluoromethane
 Concen: 59.258 ug/l
 RT: 3.26 min Scan# 274
 Delta R.T. -0.00 min
 Lab File: VW004807.D
 Acq: 20 Aug 2018 23:28

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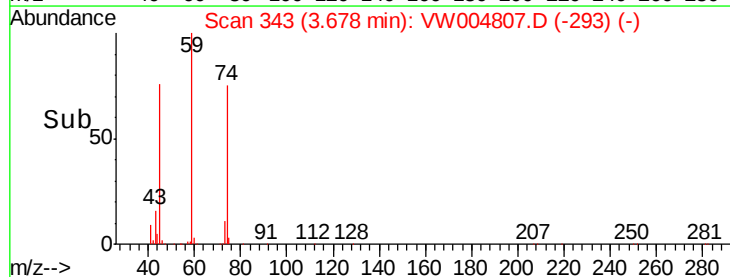
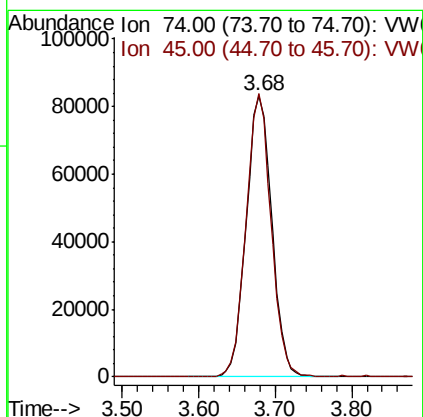
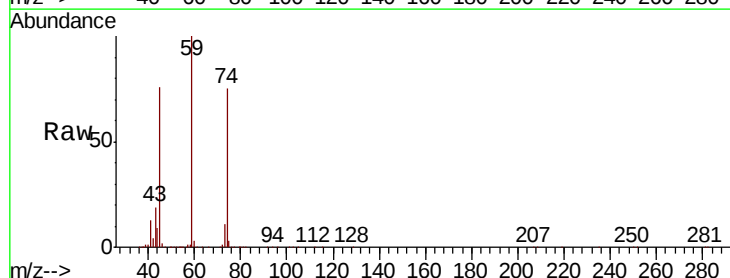
Tgt Ion: 101 Resp: 230735
 Ion Ratio Lower Upper
 101 100
 103 63.1 52.5 78.7

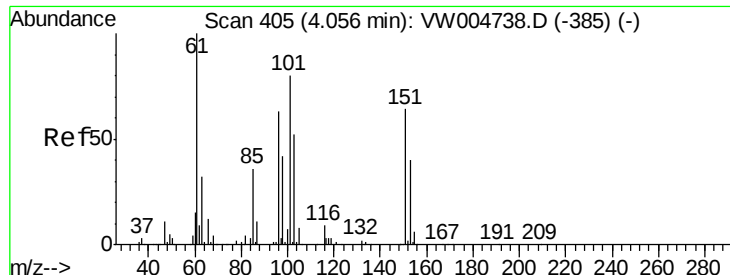


#8

Diethyl Ether
 Concen: 55.275 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW004807.D
 Acq: 20 Aug 2018 23:28

Tgt Ion: 74 Resp: 194595
 Ion Ratio Lower Upper
 74 100
 45 97.4 49.8 149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.494 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004807.D

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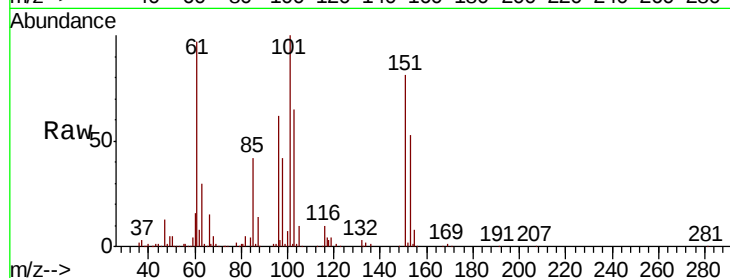
Tgt Ion:101 Resp: 358676

Ion Ratio Lower Upper

101 100

85 42.6 33.9 50.9

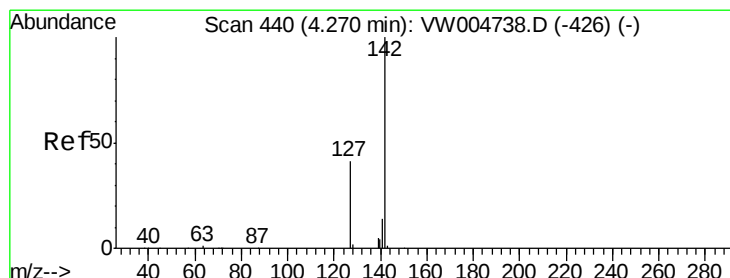
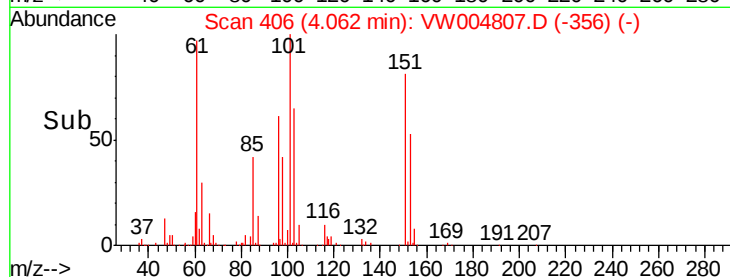
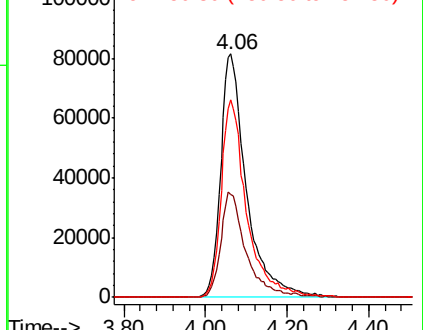
151 79.5 63.4 95.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.312 ug/l

RT: 4.27 min Scan# 440

Delta R.T. 0.00 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

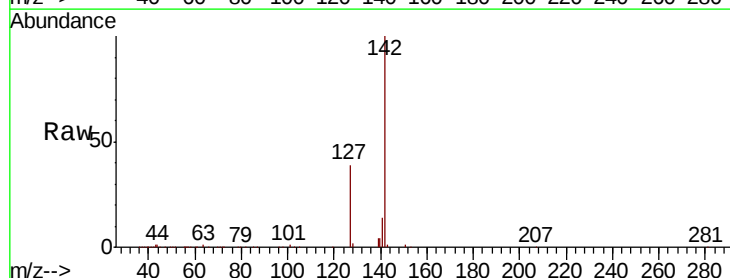
Tgt Ion:142 Resp: 563231

Ion Ratio Lower Upper

142 100

127 39.3 32.1 48.1

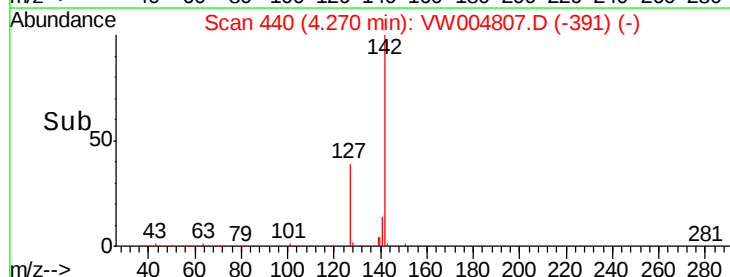
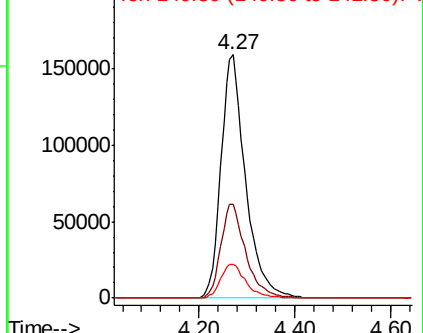
141 14.4 11.7 17.5

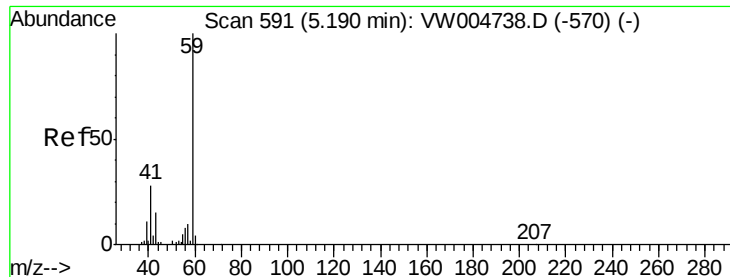


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



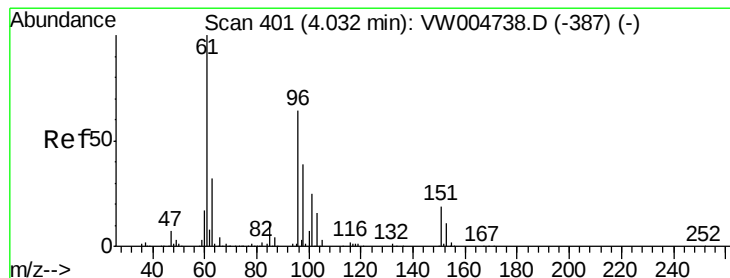
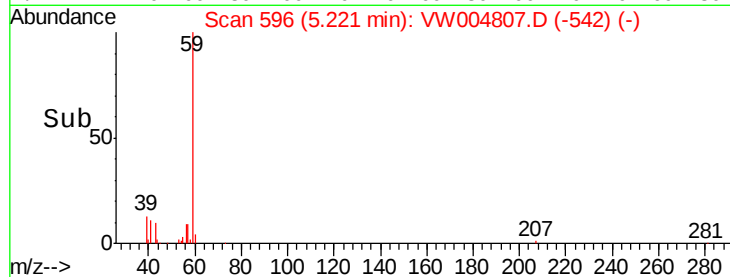
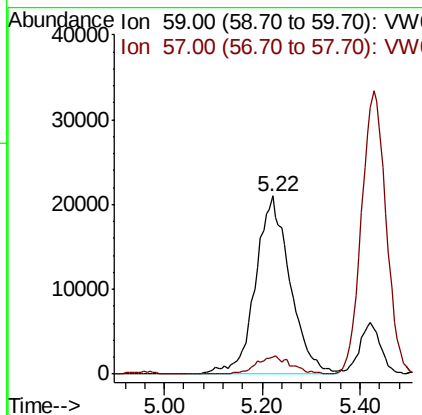
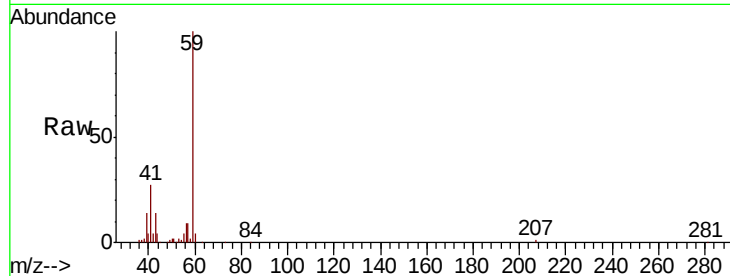


#11

Tert butyl alcohol
 Concen: 295.610 ug/l
 RT: 5.22 min Scan# 596
 Delta R.T. 0.03 min
 Lab File: VW004807.D
 Acq: 20 Aug 2018 23:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

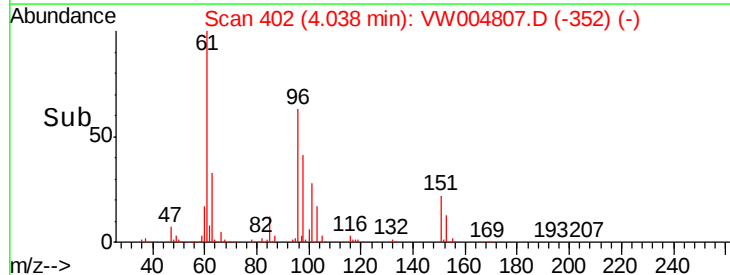
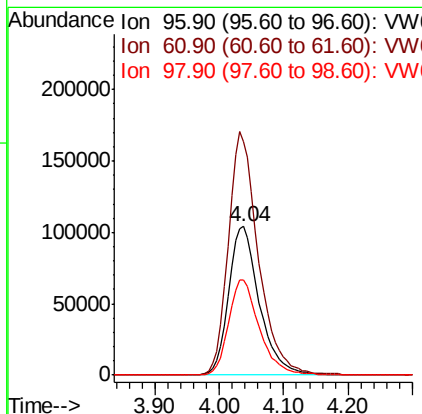
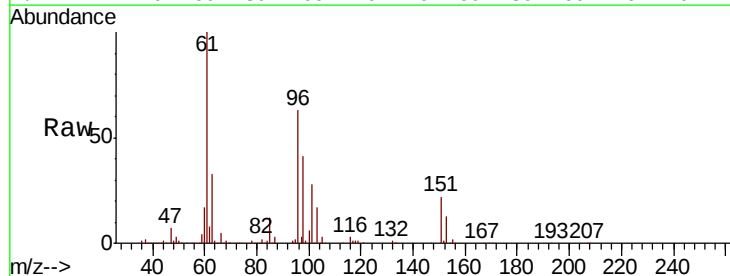
Tgt Ion: 59 Resp: 103522
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.4 12.6

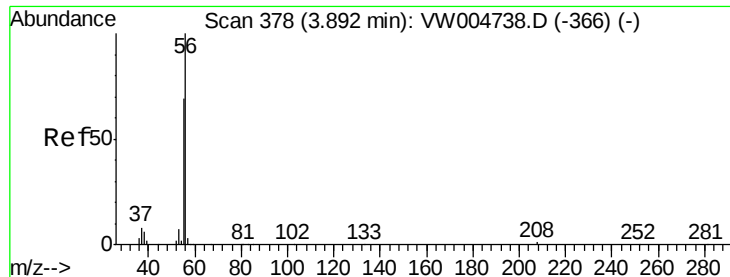


#12

1,1-Dichloroethene
 Concen: 51.904 ug/l
 RT: 4.04 min Scan# 402
 Delta R.T. 0.01 min
 Lab File: VW004807.D
 Acq: 20 Aug 2018 23:28

Tgt Ion: 96 Resp: 346799
 Ion Ratio Lower Upper
 96 100
 61 157.6 125.6 188.4
 98 63.9 49.4 74.0





#13

Acrolein

Concen: 346.853 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

Instrument :

MSVOA_W

ClientSampleId :

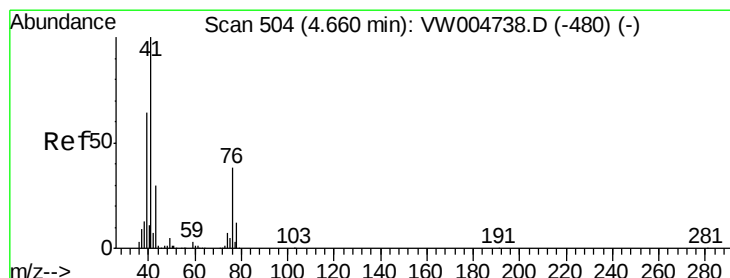
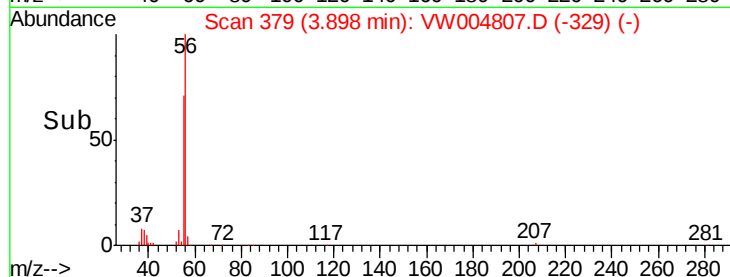
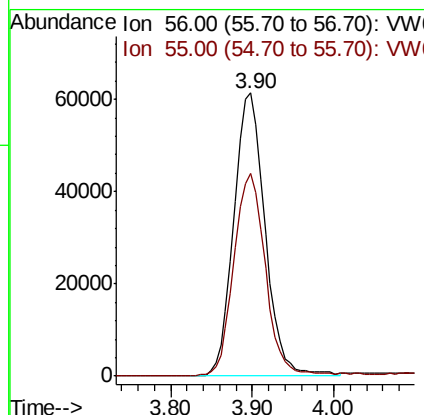
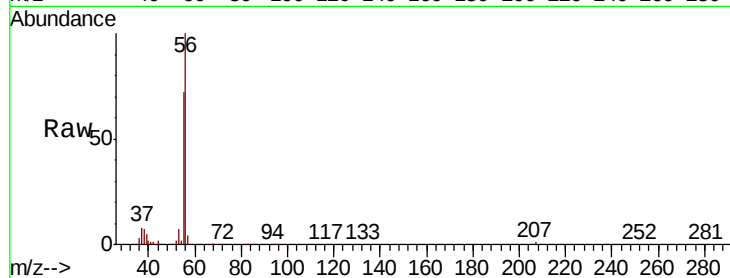
VSTDCCC050

Tgt Ion: 56 Resp: 163001

Ion Ratio Lower Upper

56 100

55 71.4 56.1 84.1



#14

Allyl chloride

Concen: 54.771 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.01 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

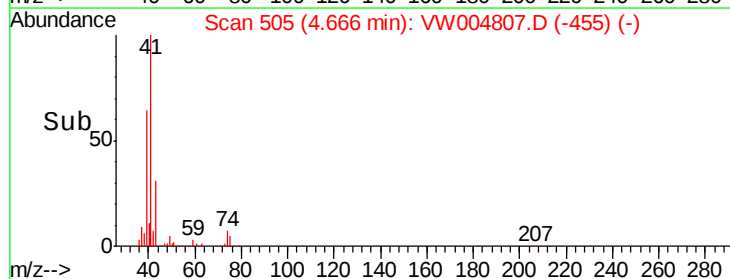
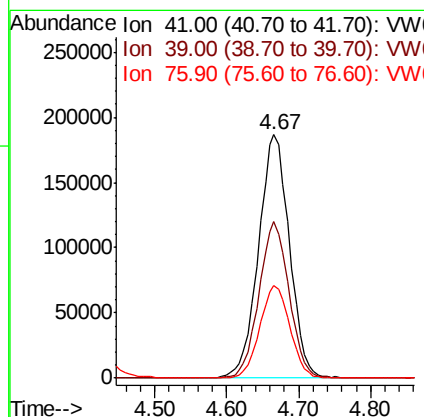
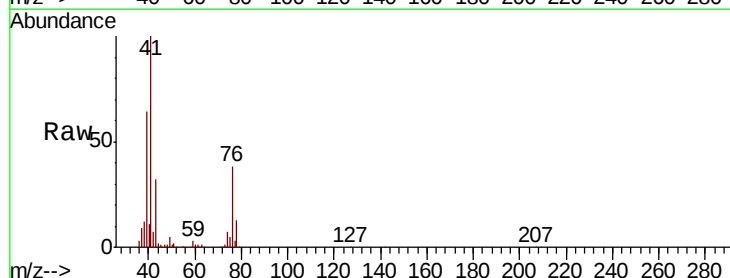
Tgt Ion: 41 Resp: 555352

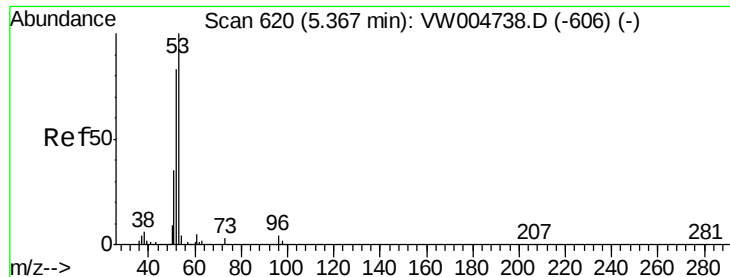
Ion Ratio Lower Upper

41 100

39 63.0 50.0 75.0

76 36.7 29.8 44.6





#15

Acrylonitrile

Concen: 278.603 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.01 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

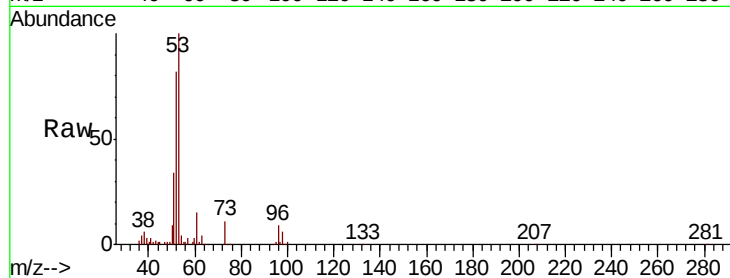
Tgt Ion: 53 Resp: 411331

Ion Ratio Lower Upper

53 100

52 83.0 65.8 98.6

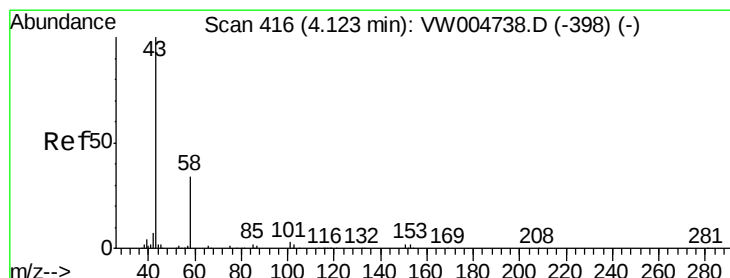
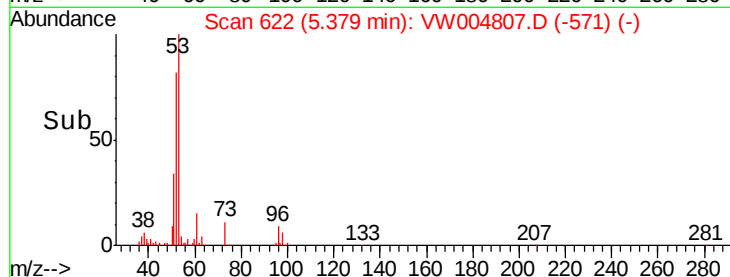
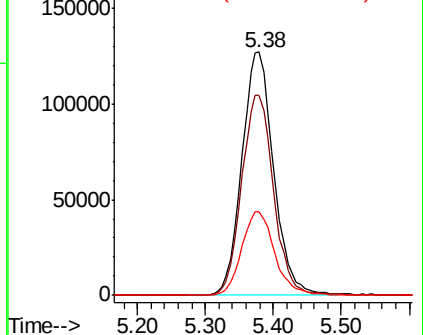
51 35.9 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 260.116 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW004807.D

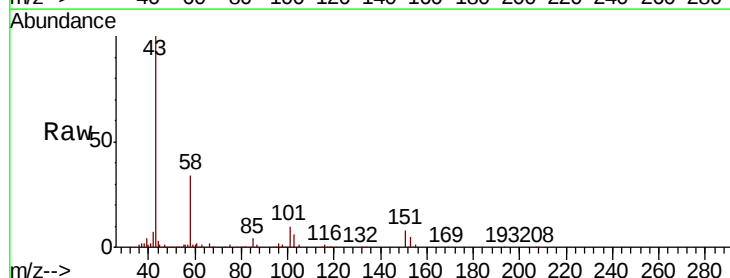
Acq: 20 Aug 2018 23:28

Tgt Ion: 43 Resp: 416223

Ion Ratio Lower Upper

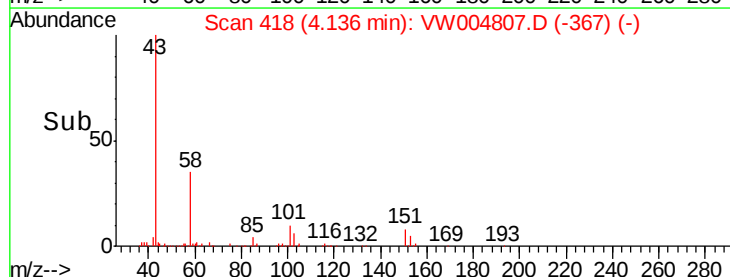
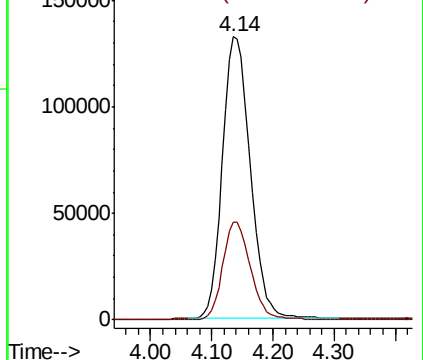
43 100

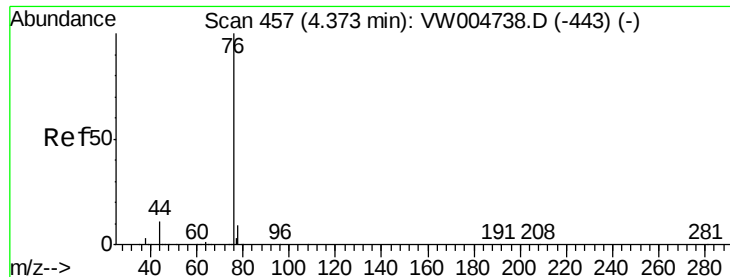
58 34.3 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 53.020 ug/l

RT: 4.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

Instrument :

MSVOA_W

ClientSampleId :

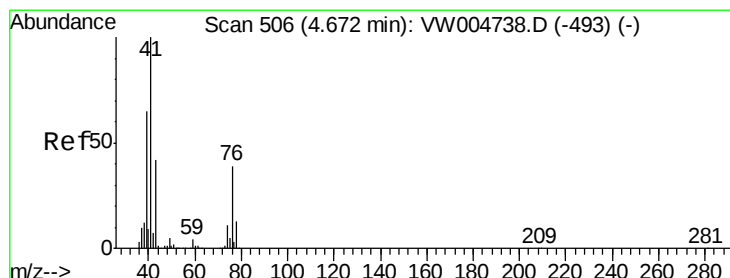
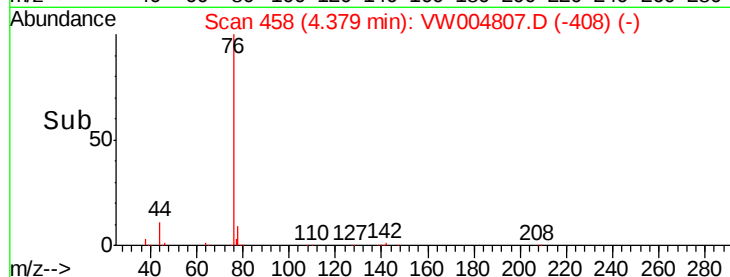
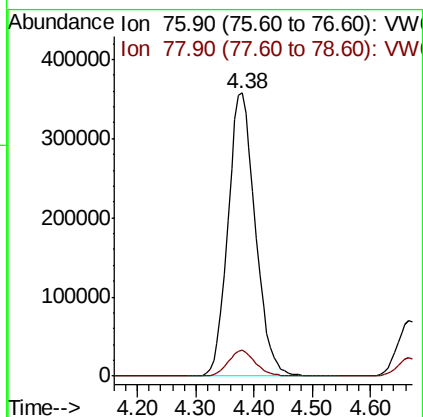
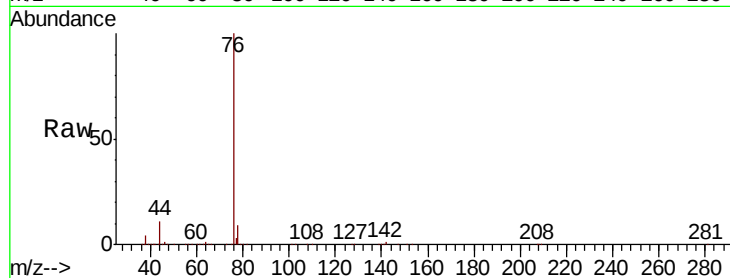
VSTDCCC050

Tgt Ion: 76 Resp: 1164191

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



#18

Methyl Acetate

Concen: 57.919 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW004807.D

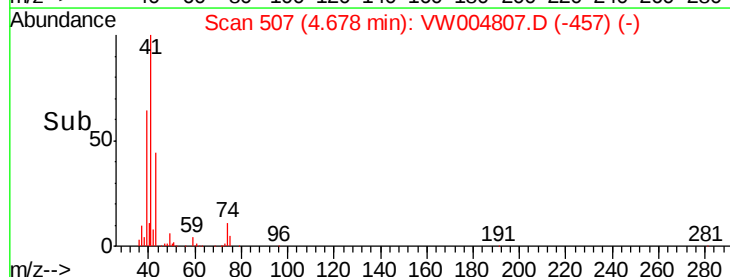
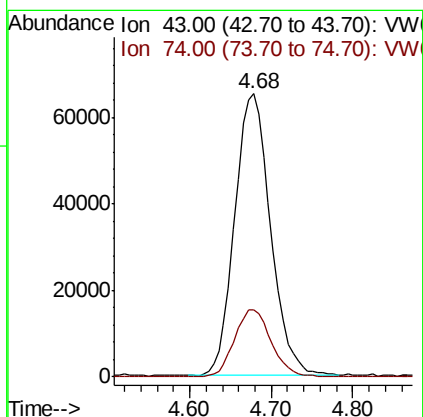
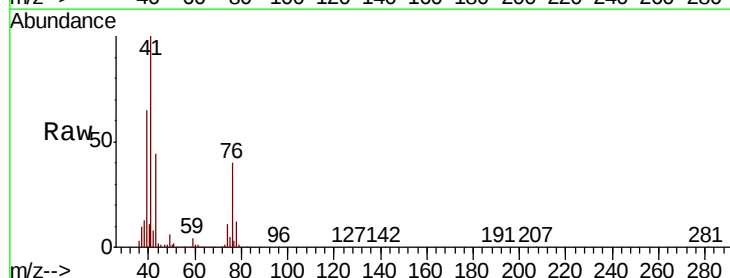
Acq: 20 Aug 2018 23:28

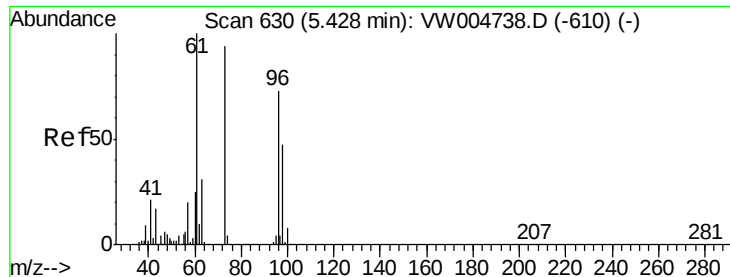
Tgt Ion: 43 Resp: 198605

Ion Ratio Lower Upper

43 100

74 24.5 19.8 29.8

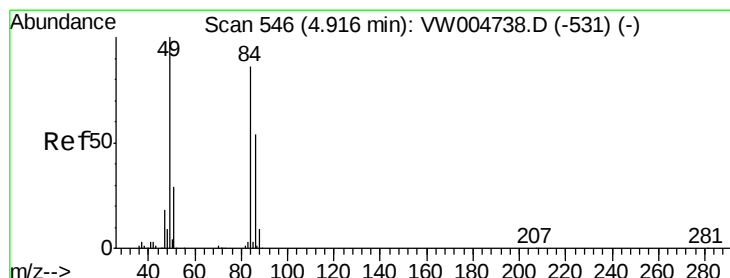
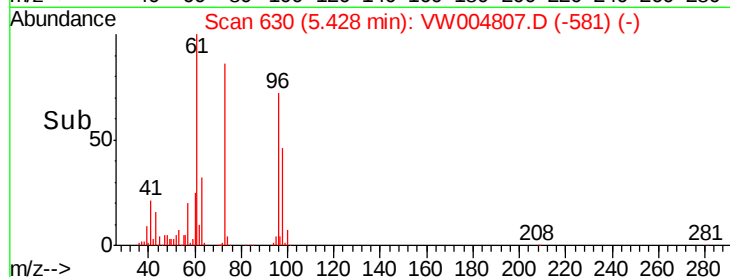
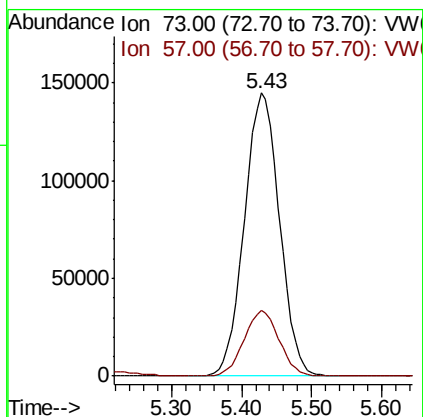
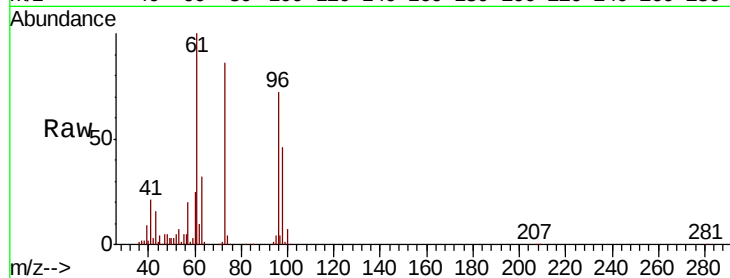




#19
Methyl tert-butyl Ether
Concen: 58.222 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

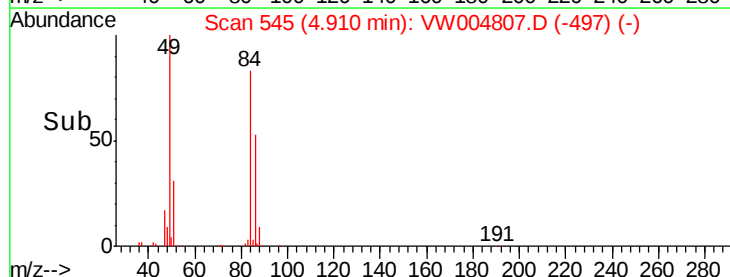
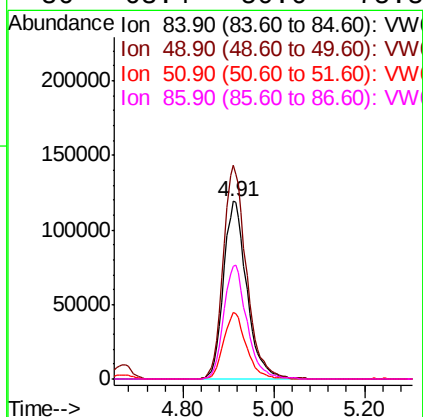
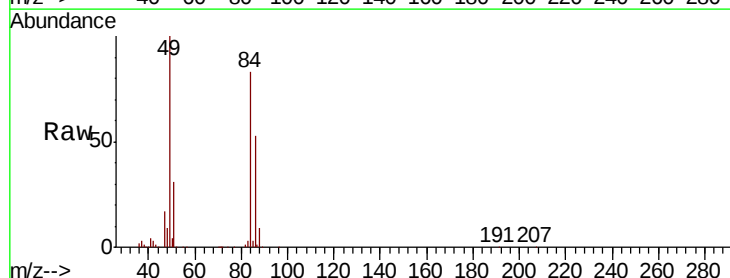
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

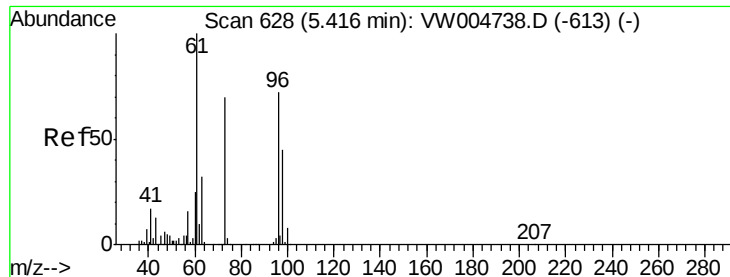
Tgt Ion: 73 Resp: 504970
Ion Ratio Lower Upper
73 100
57 23.1 17.3 25.9



#20
Methylene Chloride
Concen: 58.903 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

Tgt Ion: 84 Resp: 424733
Ion Ratio Lower Upper
84 100
49 120.4 93.2 139.8
51 37.9 27.4 41.0
86 63.4 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 53.936 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

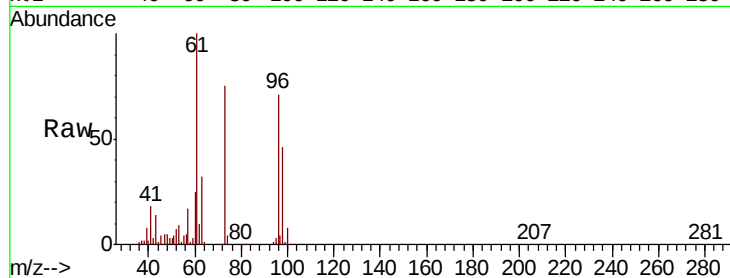
Tgt Ion: 96 Resp: 383431

Ion Ratio Lower Upper

96 100

61 140.1 111.4 167.0

98 63.8 49.7 74.5

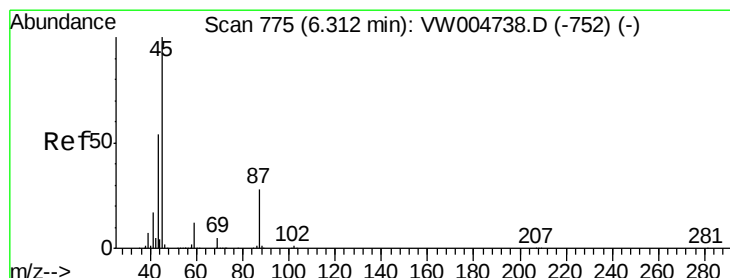
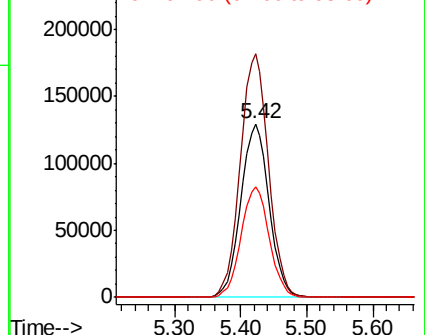
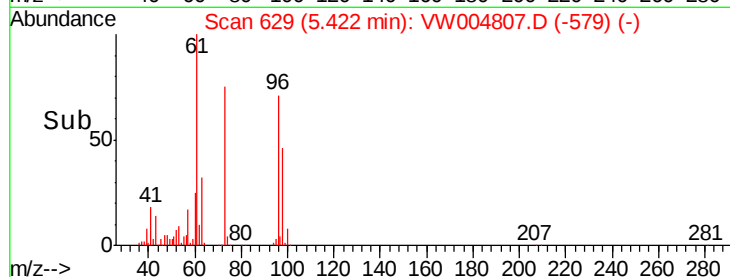


Abundance

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: 58.764 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

Tgt Ion: 45 Resp: 1145260

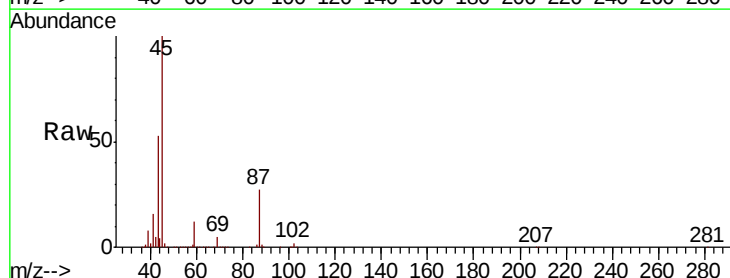
Ion Ratio Lower Upper

45 100

43 53.2 43.0 64.6

87 26.9 22.2 33.4

59 12.0 9.8 14.6



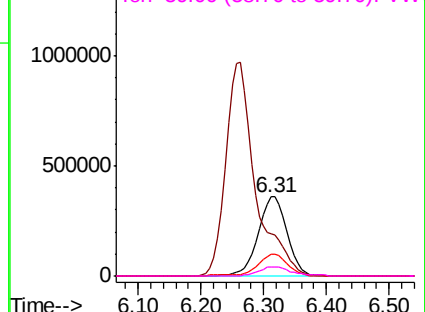
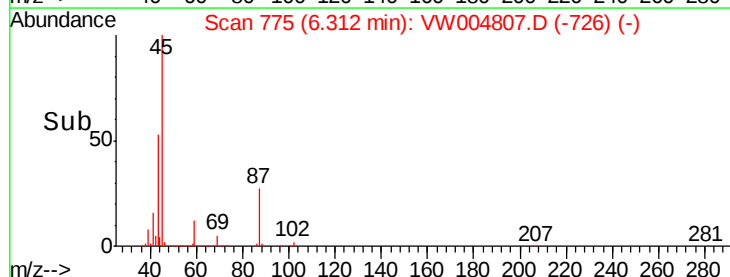
Abundance

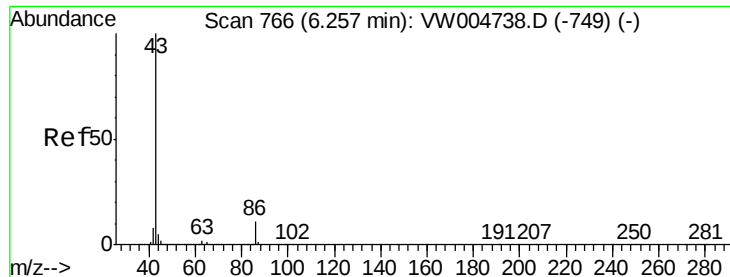
Ion 45.00 (44.70 to 45.70): VW

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

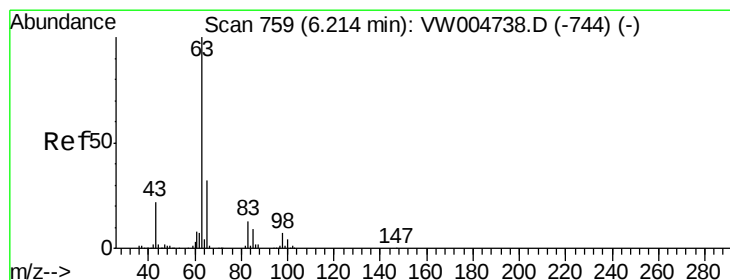
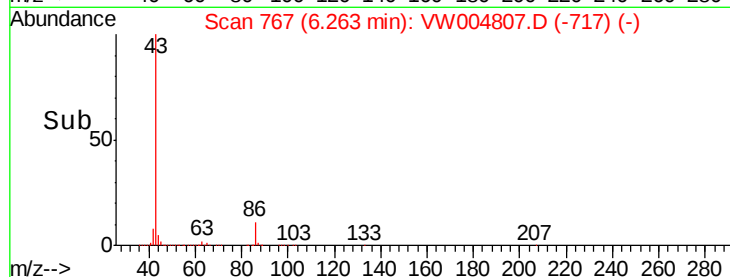
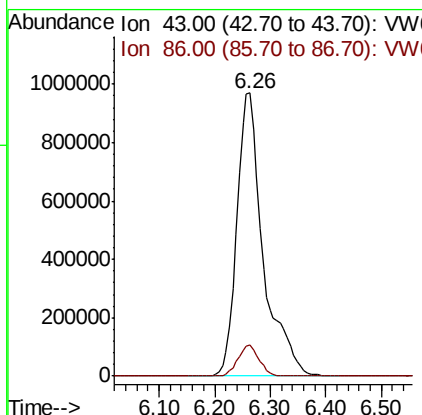
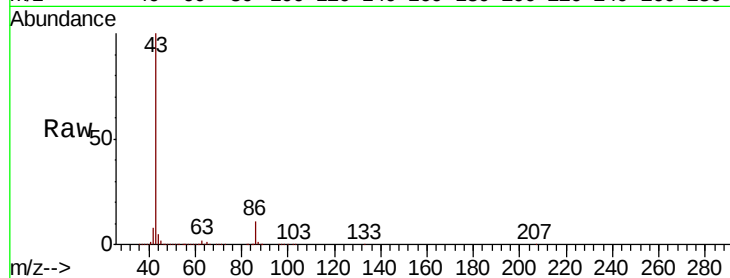




#23
 Vinyl Acetate
 Concen: 288.131 ug/l
 RT: 6.26 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: VW004807.D
 Acq: 20 Aug 2018 23:28

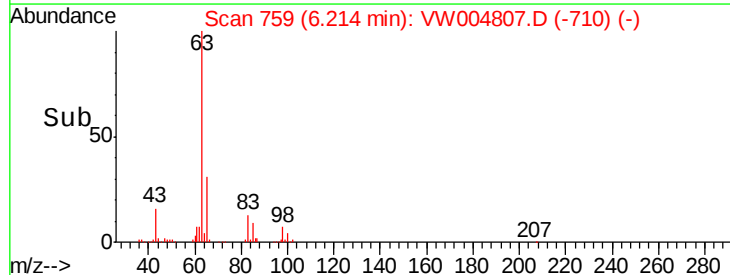
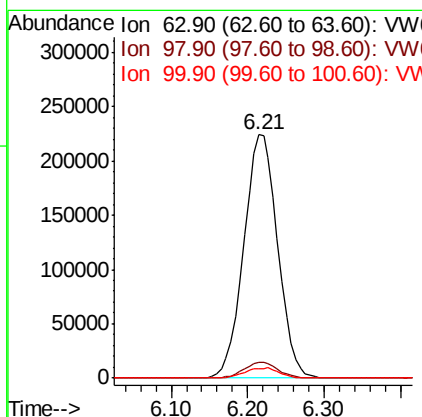
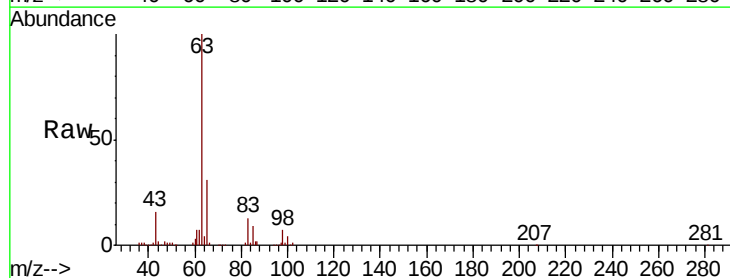
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

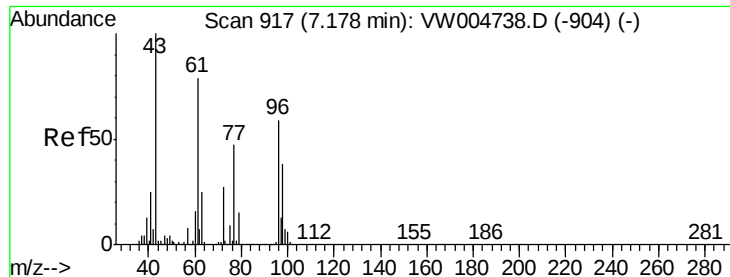
Tgt Ion: 43 Resp: 3176215
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 54.285 ug/l
 RT: 6.21 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VW004807.D
 Acq: 20 Aug 2018 23:28

Tgt Ion: 63 Resp: 687501
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.4
 100 4.1 2.1 6.3





#25

2-Butanone

Concen: 277.974 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

Instrument :

MSVOA_W

ClientSampleId :

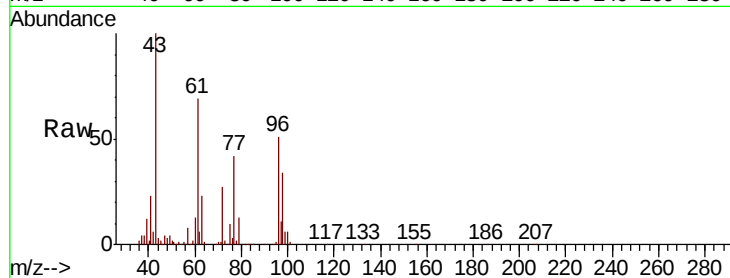
VSTDCCC050

Tgt Ion: 43 Resp: 633754

Ion Ratio Lower Upper

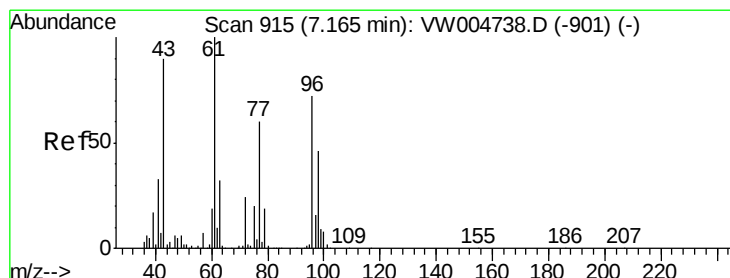
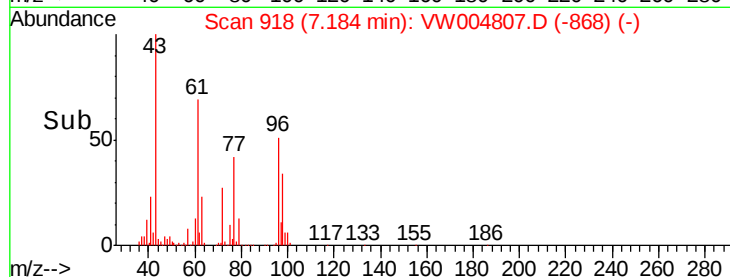
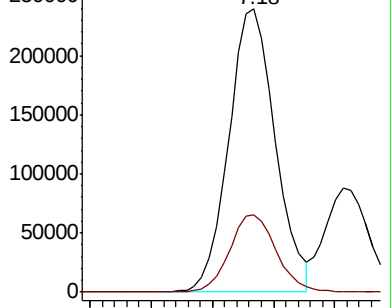
43 100

72 27.4 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 51.954 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW004807.D

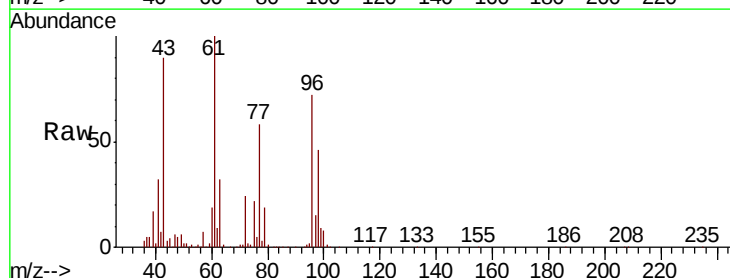
Acq: 20 Aug 2018 23:28

Tgt Ion: 77 Resp: 380042

Ion Ratio Lower Upper

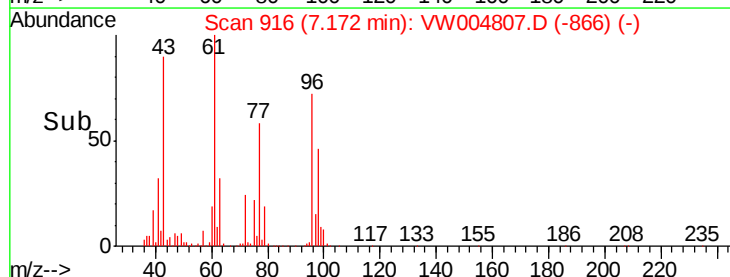
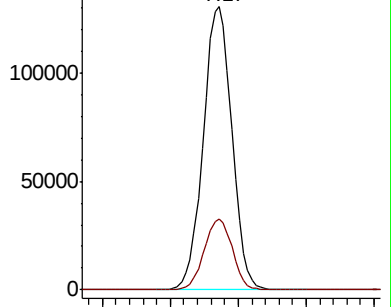
77 100

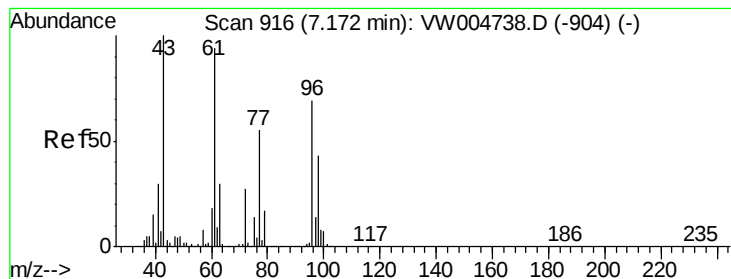
97 24.7 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

cis-1,2-Dichloroethene

Concen: 54.963 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

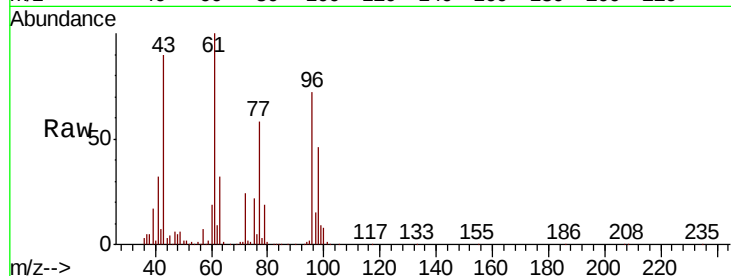
Tgt Ion: 96 Resp: 420640

Ion Ratio Lower Upper

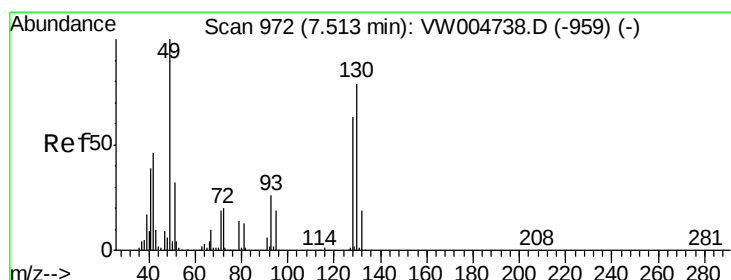
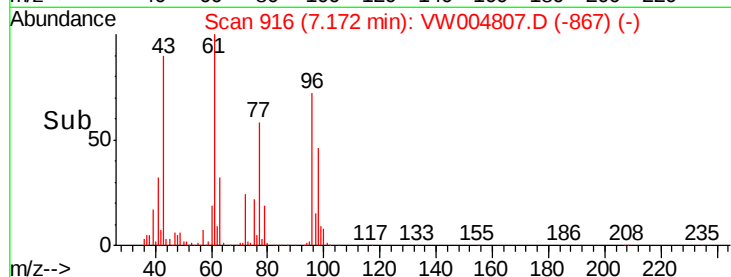
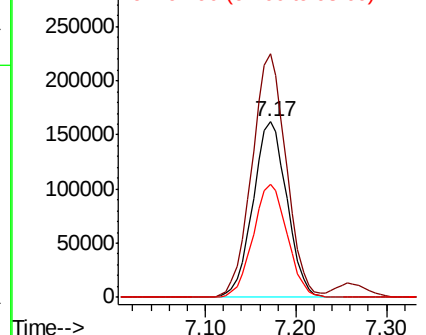
96 100

61 139.4 0.0 277.6

98 64.5 0.0 127.4



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



#28

Bromochloromethane

Concen: 54.826 ug/l

RT: 7.51 min Scan# 972

Delta R.T. -0.00 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

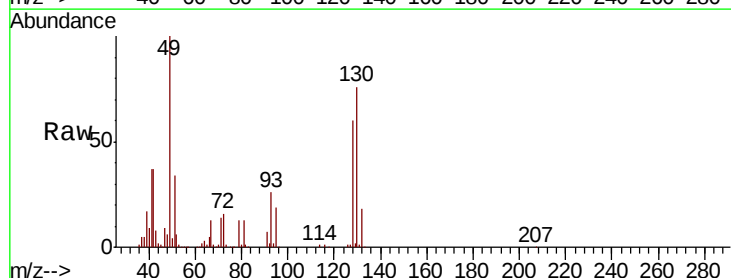
Tgt Ion: 49 Resp: 292398

Ion Ratio Lower Upper

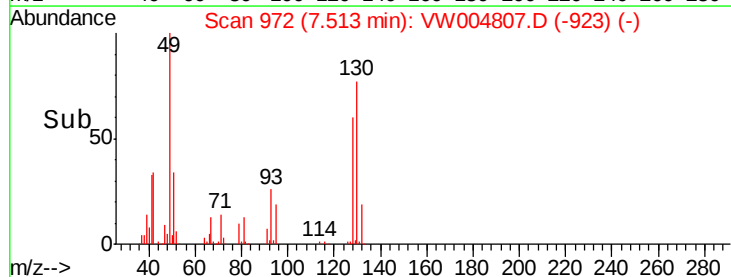
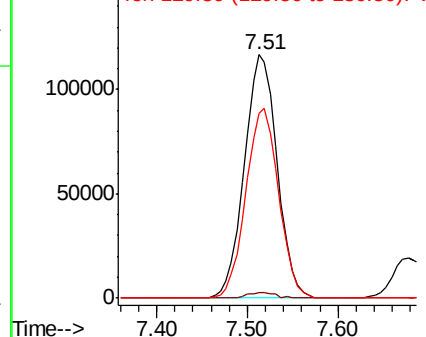
49 100

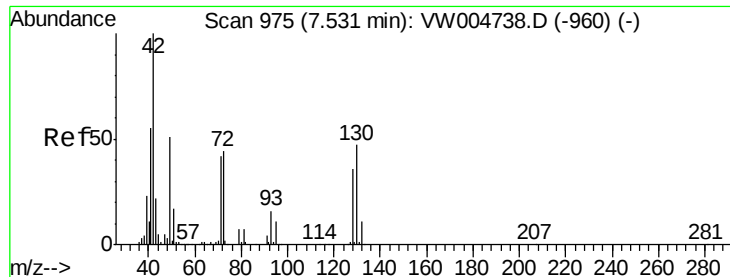
129 2.0 0.0 4.4

130 78.1 63.7 95.5



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

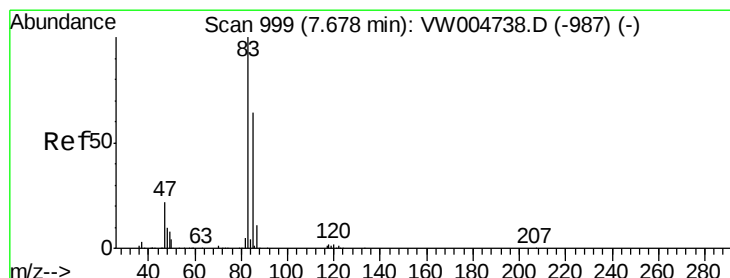
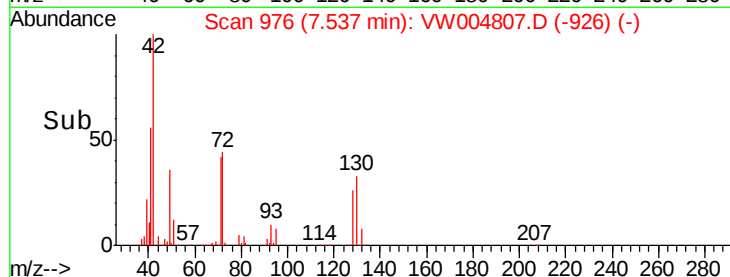
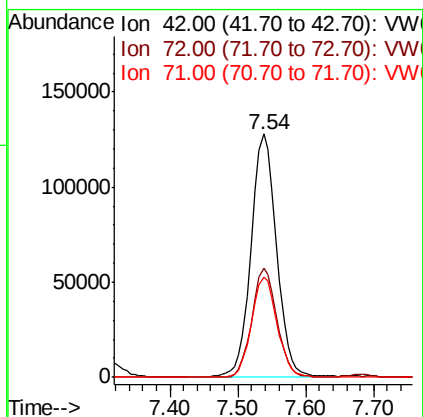
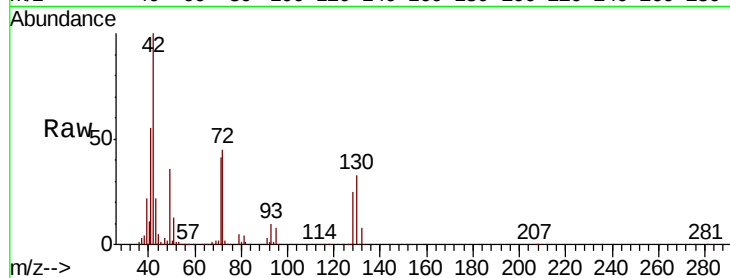




#29
Tetrahydrofuran
Concen: 288.556 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

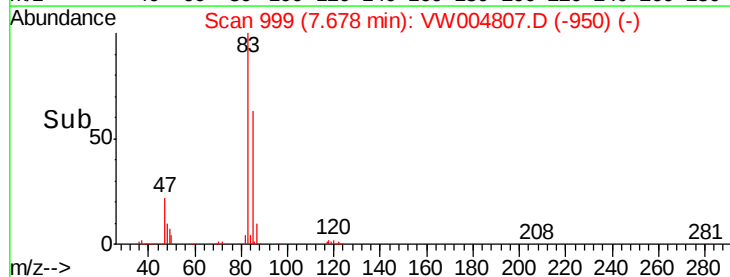
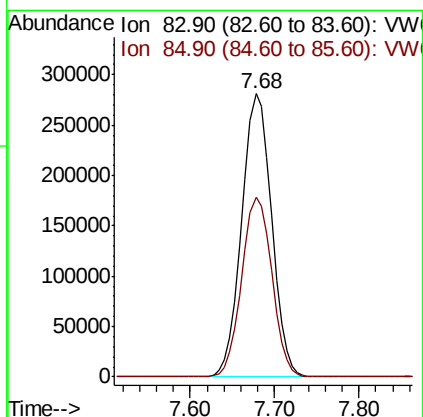
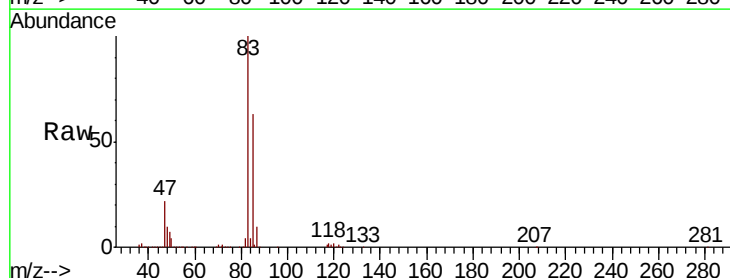
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

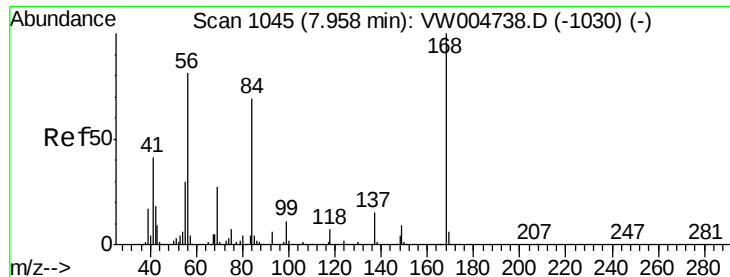
Tgt Ion: 42 Resp: 335468
Ion Ratio Lower Upper
42 100
72 44.0 34.9 52.3
71 41.4 33.8 50.6



#30
Chloroform
Concen: 54.108 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

Tgt Ion: 83 Resp: 673952
Ion Ratio Lower Upper
83 100
85 63.3 51.0 76.6

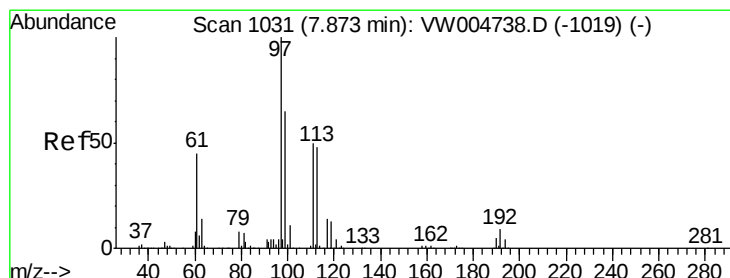
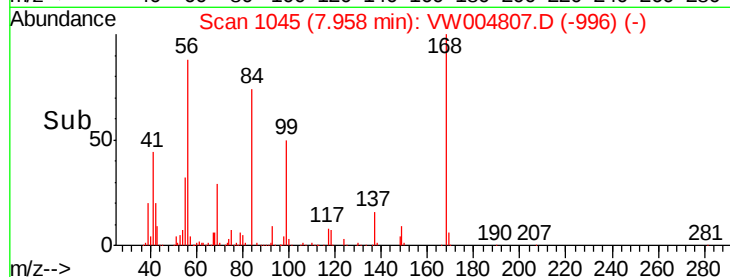
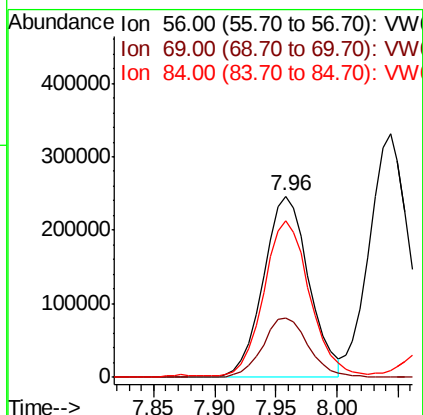
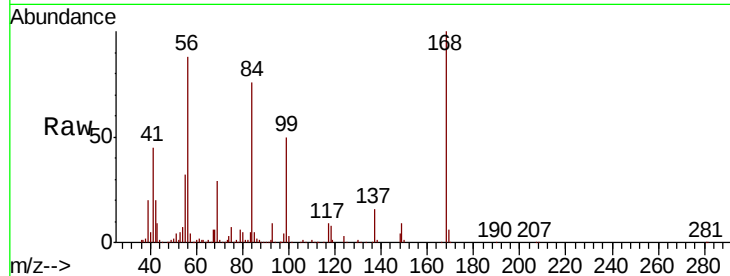




#31
Cyclohexane
Concen: 52.083 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

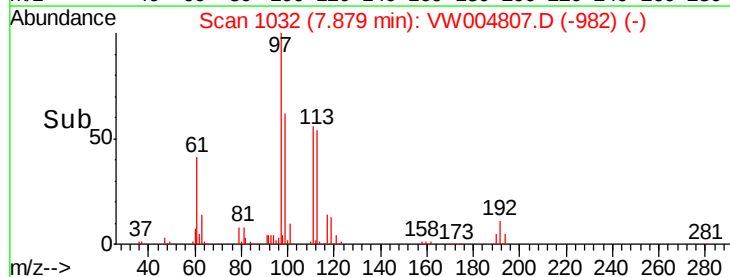
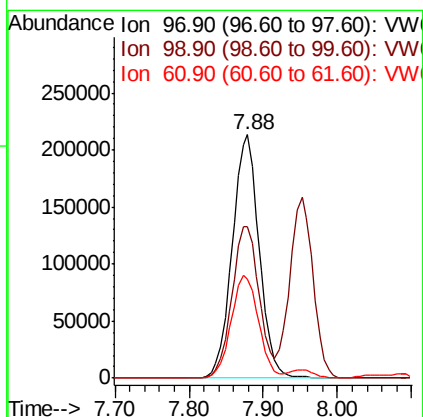
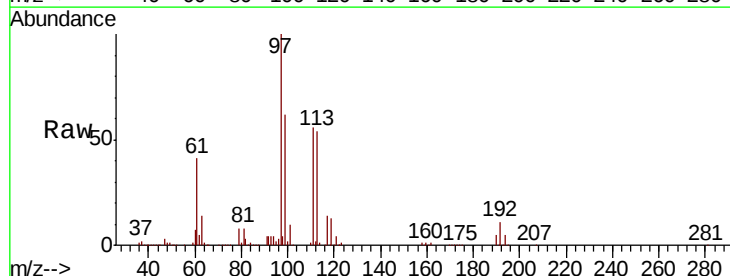
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

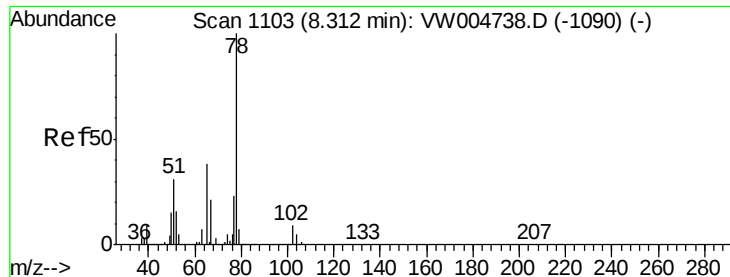
Tgt Ion: 56 Resp: 638021
Ion Ratio Lower Upper
56 100
69 32.9 27.1 40.7
84 85.3 68.3 102.5



#32
1,1,1-Trichloroethane
Concen: 54.517 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

Tgt Ion: 97 Resp: 538268
Ion Ratio Lower Upper
97 100
99 63.4 51.7 77.5
61 43.4 34.4 51.6





#33

1,2-Dichloroethane-d4

Concen: 50.605 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

Instrument :

MSVOA_W

ClientSampleId :

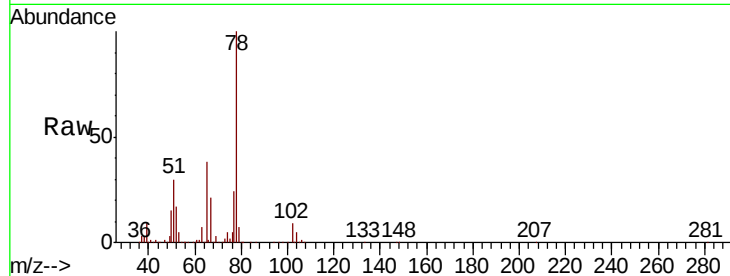
VSTDCCC050

Tgt Ion: 65 Resp: 317211

Ion Ratio Lower Upper

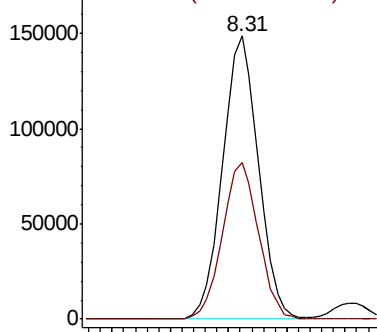
65 100

67 55.7 0.0 109.4

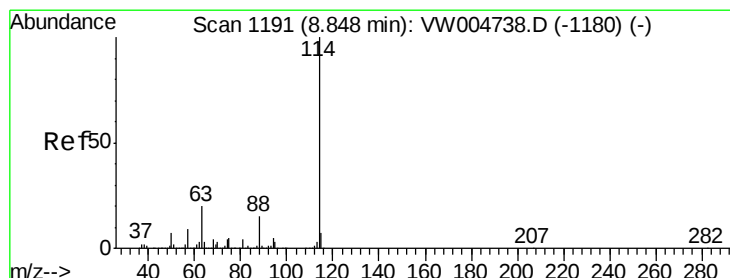
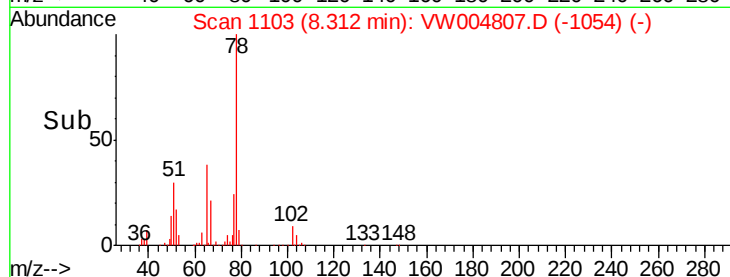


Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

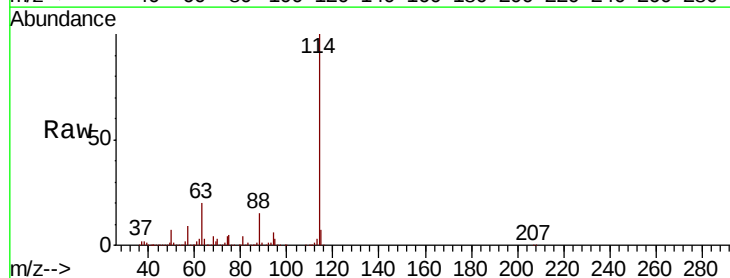
Tgt Ion: 114 Resp: 975566

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.0

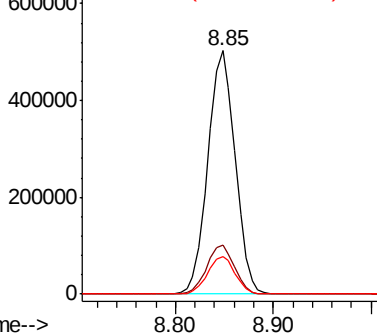
88 15.2 0.0 30.0



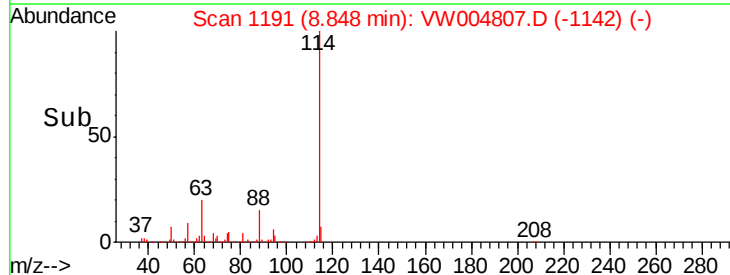
Abundance Ion 113.90 (113.60 to 114.60): V

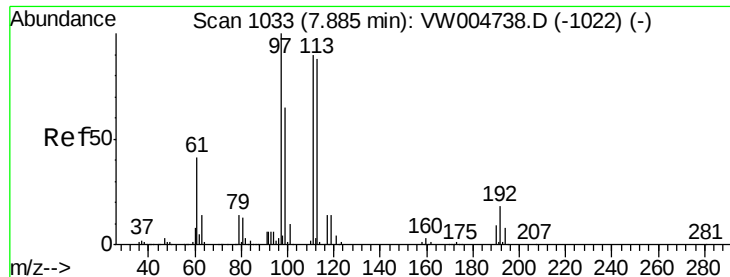
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



Time-->

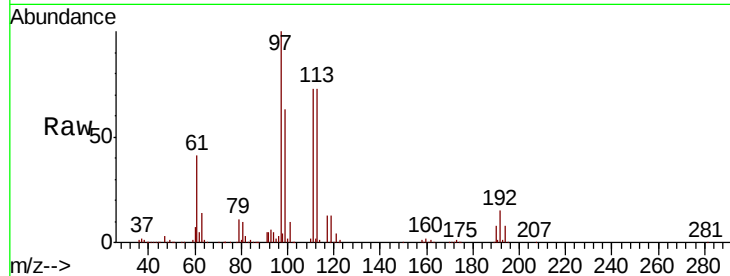




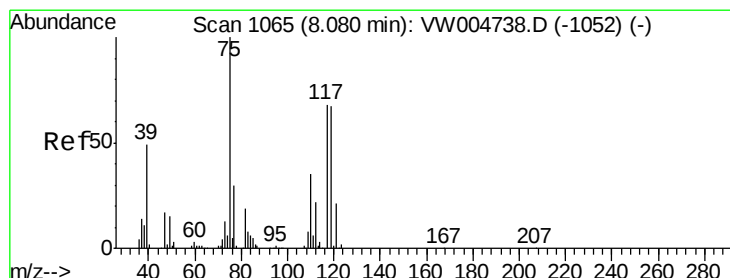
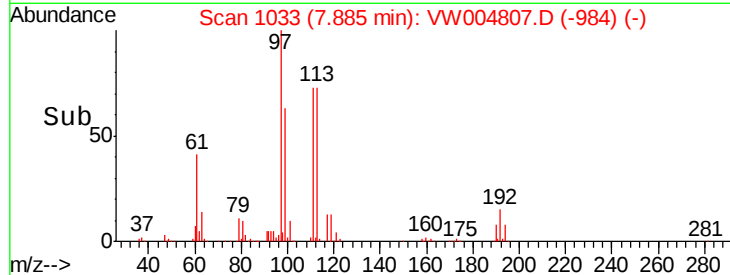
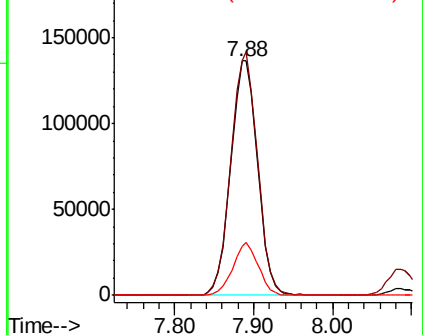
#35
 Dibromofluoromethane
 Concen: 51.881 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004807.D
 Acq: 20 Aug 2018 23:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 113 Resp: 323488
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.4 123.6
 192 21.2 16.7 25.1

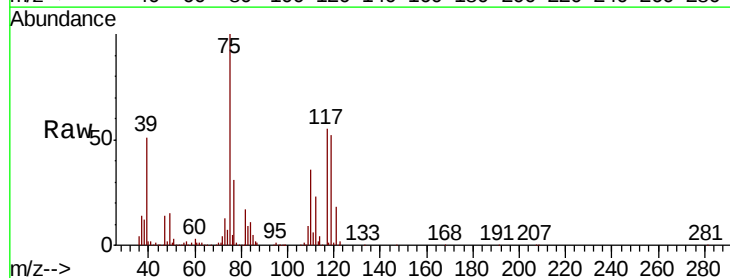


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

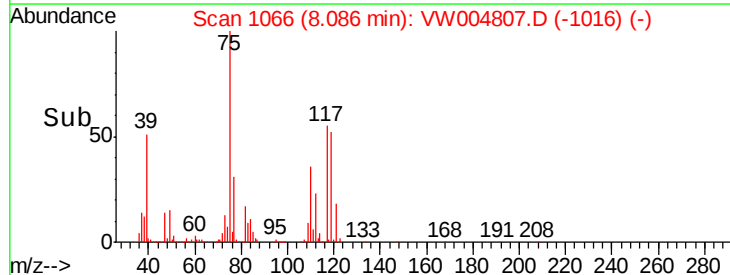
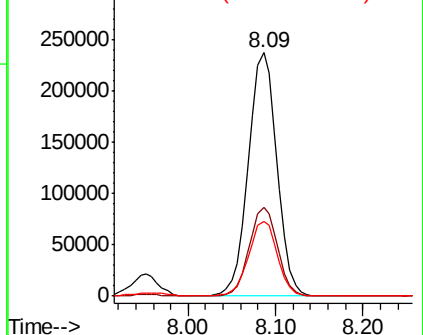


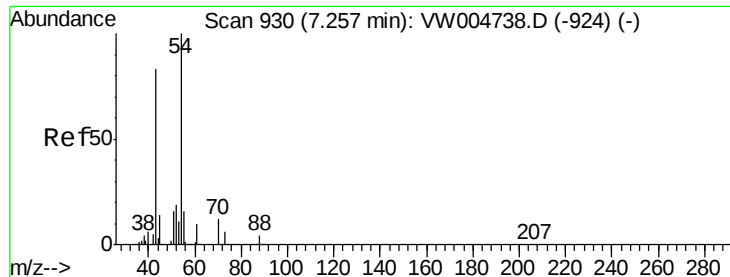
#36
 1,1-Dichloropropene
 Concen: 53.328 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004807.D
 Acq: 20 Aug 2018 23:28

Tgt Ion: 75 Resp: 535946
 Ion Ratio Lower Upper
 75 100
 110 36.0 17.8 53.5
 77 31.2 24.9 37.3



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

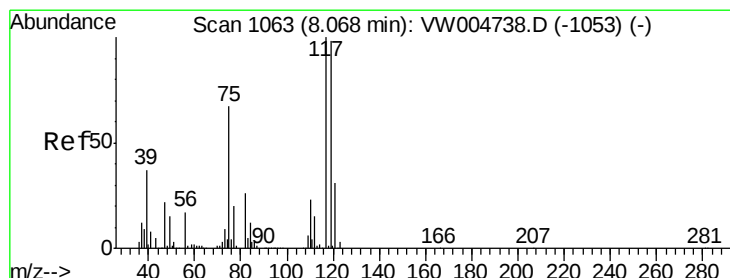
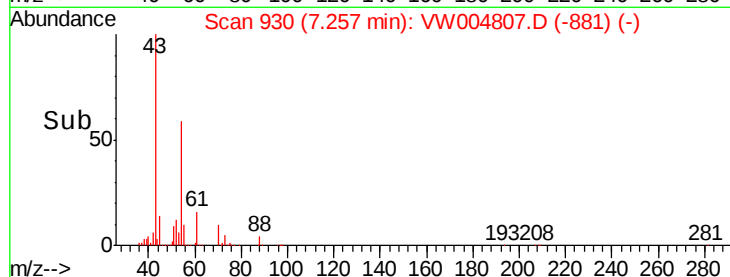
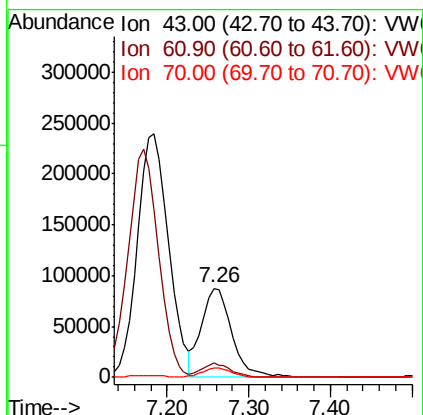
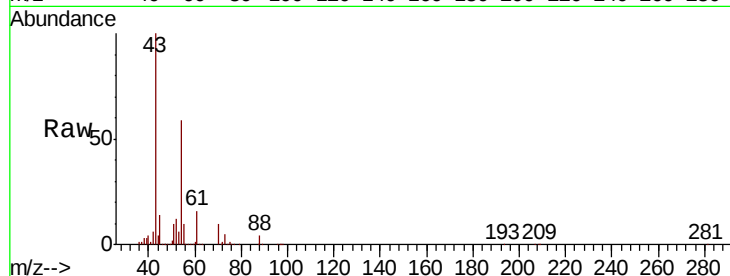




#37
 Ethyl Acetate
 Concen: 56.361 ug/l
 RT: 7.26 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VW004807.D
 Acq: 20 Aug 2018 23:28

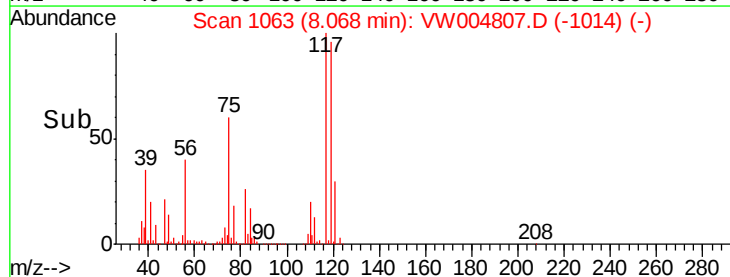
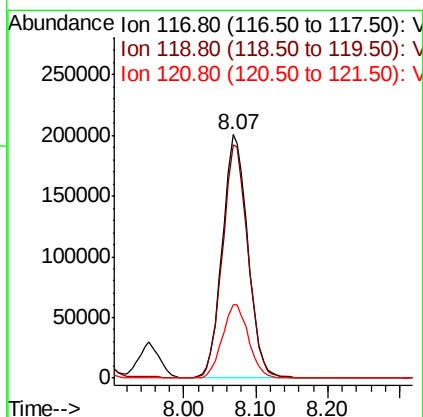
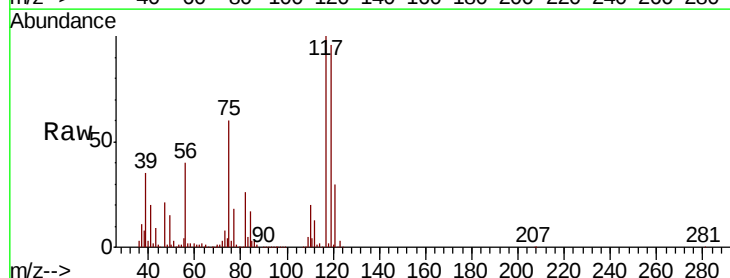
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

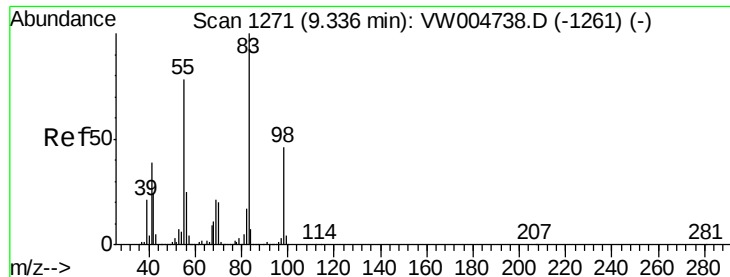
Tgt Ion: 43 Resp: 225796
 Ion Ratio Lower Upper
 43 100
 61 14.8 11.6 17.4
 70 10.4 9.2 13.8



#38
 Carbon Tetrachloride
 Concen: 53.451 ug/l
 RT: 8.07 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VW004807.D
 Acq: 20 Aug 2018 23:28

Tgt Ion: 117 Resp: 494479
 Ion Ratio Lower Upper
 117 100
 119 95.8 78.0 117.0
 121 29.9 24.8 37.2

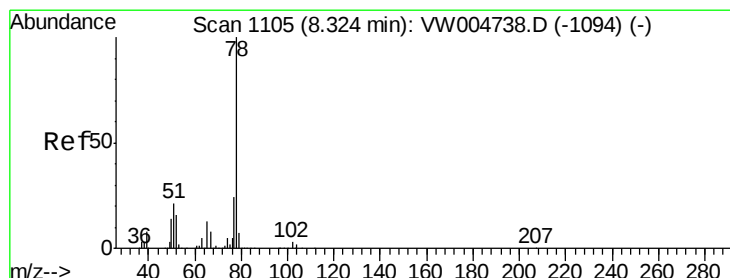
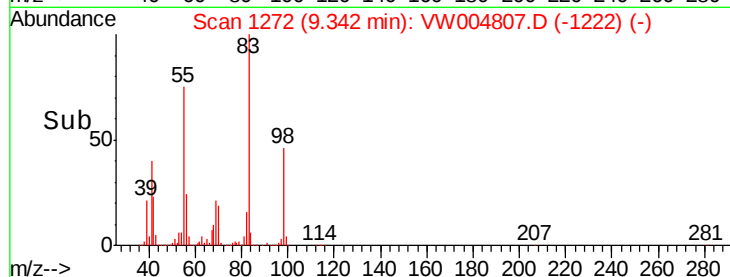
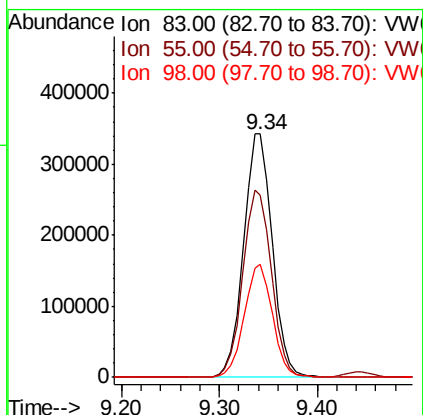
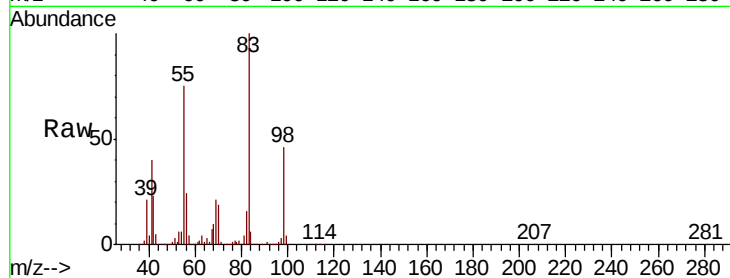




#39
Methylcyclohexane
Concen: 55.491 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

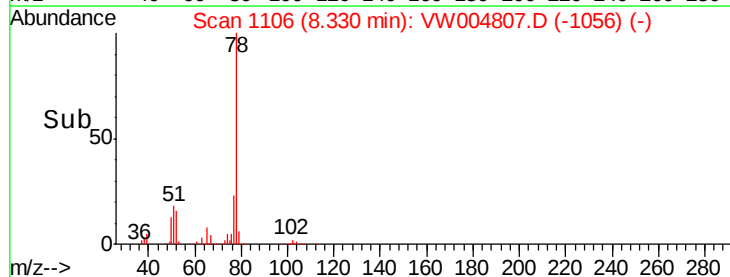
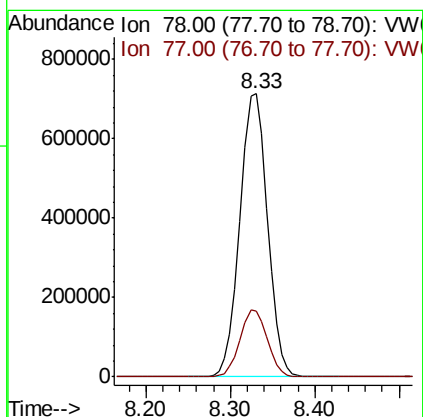
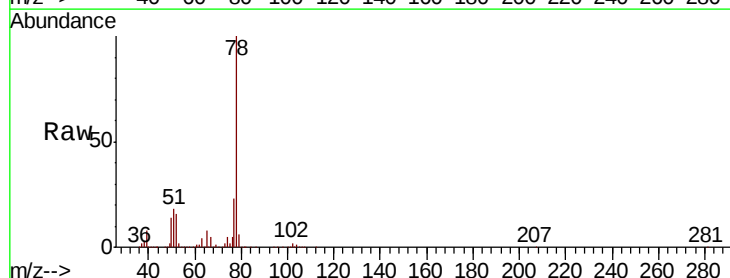
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

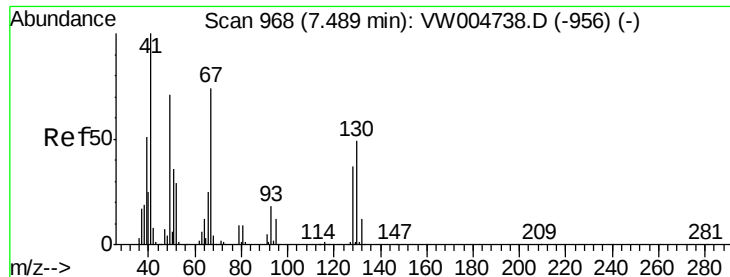
Tgt Ion: 83 Resp: 697435
Ion Ratio Lower Upper
83 100
55 74.9 62.4 93.6
98 46.4 36.5 54.7



#40
Benzene
Concen: 54.068 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

Tgt Ion: 78 Resp: 1579176
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.6

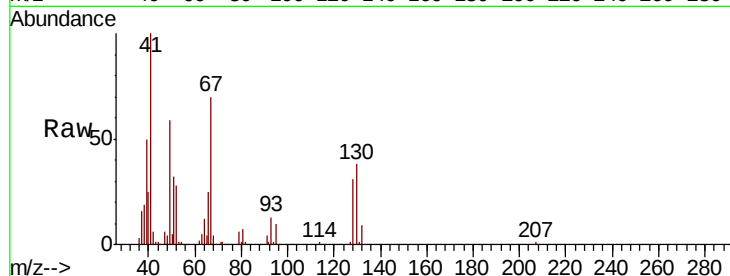




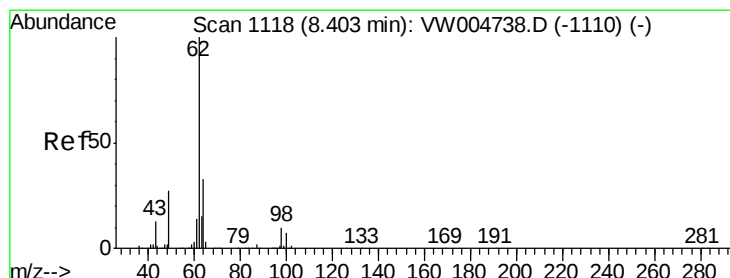
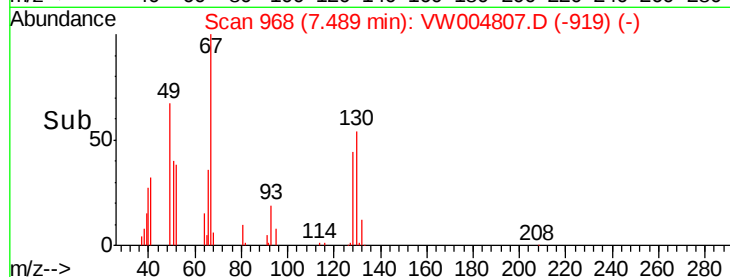
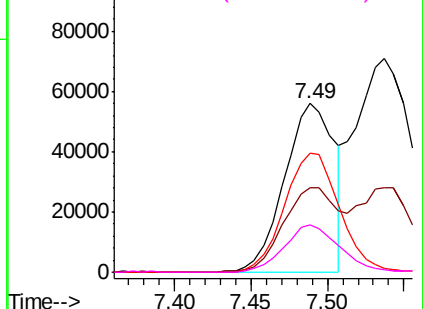
#41
Methacrylonitrile
Concen: 55.547 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	126293
Ion	Ratio	Lower	Upper
41	100		
39	57.4	41.0	61.4
67	78.2	59.5	89.3
52	32.3	23.6	35.4

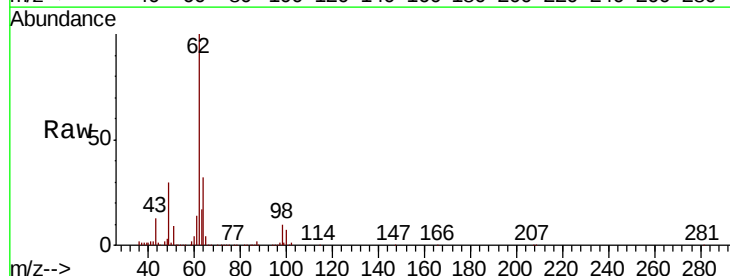


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

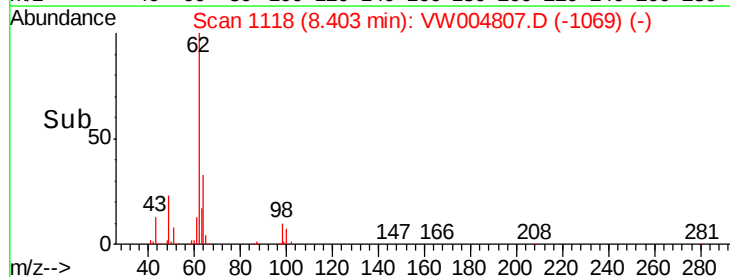
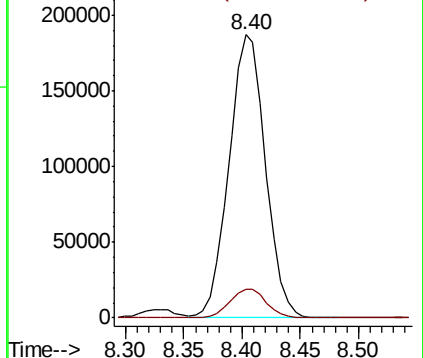


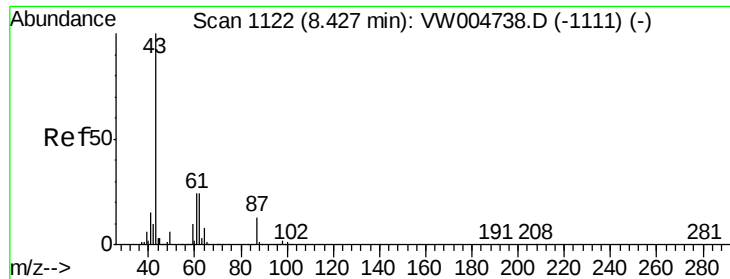
#42
1,2-Dichloroethane
Concen: 54.266 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

Tgt Ion:	62	Resp:	406436
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 57.045 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

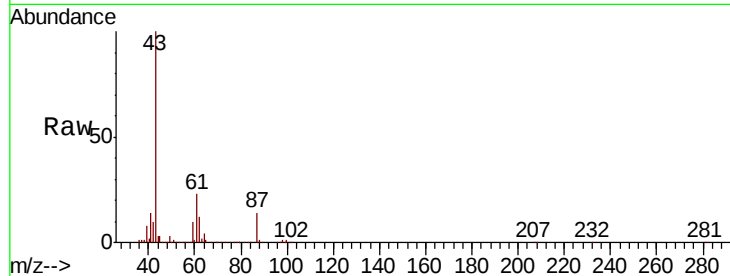
Tgt Ion: 43 Resp: 410500

Ion Ratio Lower Upper

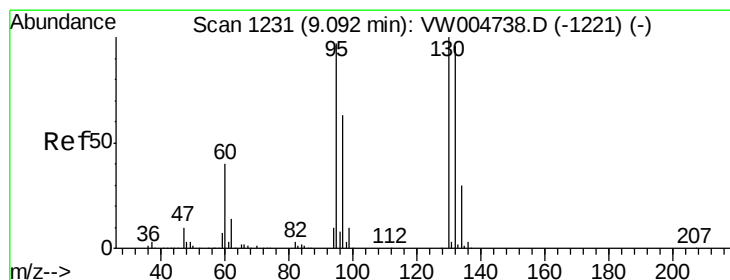
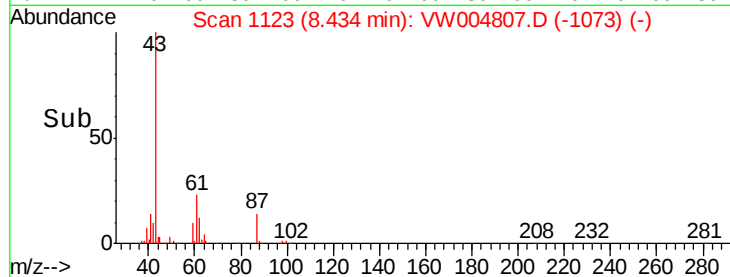
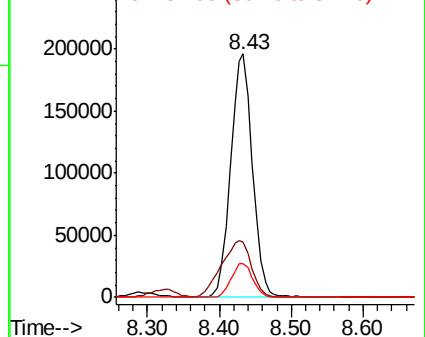
43 100

61 31.9 26.2 39.4

87 14.0 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 53.047 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VW004807.D

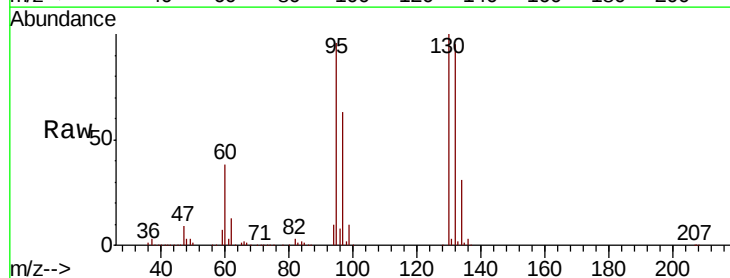
Acq: 20 Aug 2018 23:28

Tgt Ion: 130 Resp: 393296

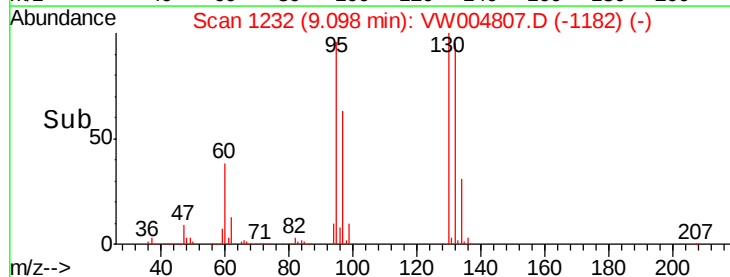
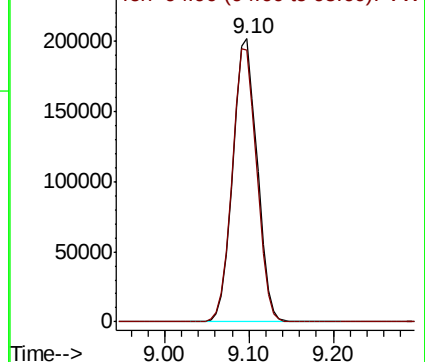
Ion Ratio Lower Upper

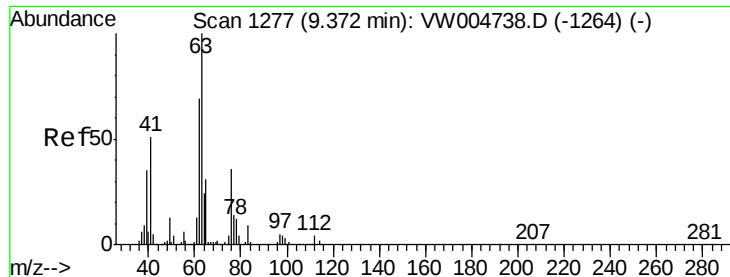
130 100

95 96.1 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 54.669 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

Instrument :

MSVOA_W

ClientSampleId :

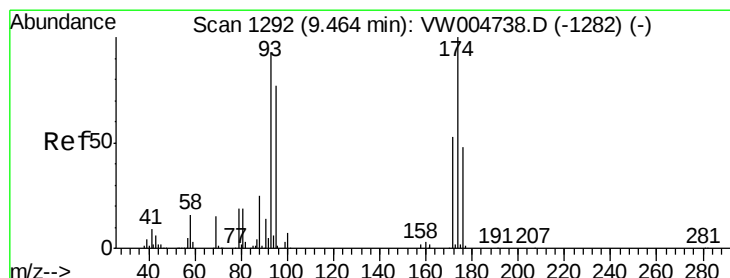
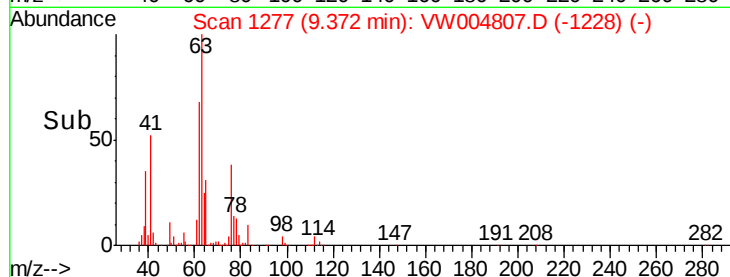
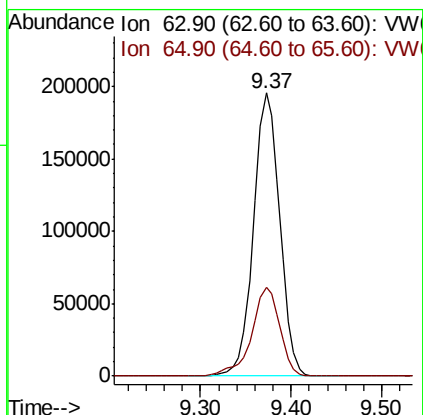
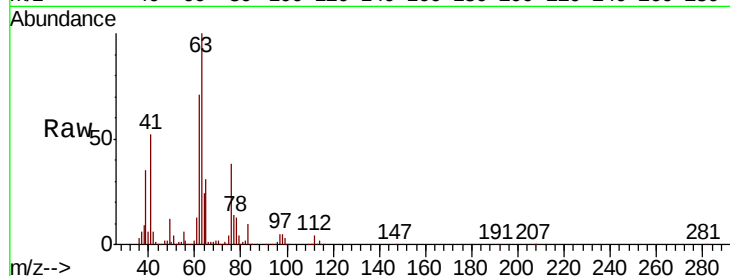
VSTDCCC050

Tgt Ion: 63 Resp: 390576

Ion Ratio Lower Upper

63 100

65 31.4 24.6 37.0



#46

Dibromomethane

Concen: 54.142 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

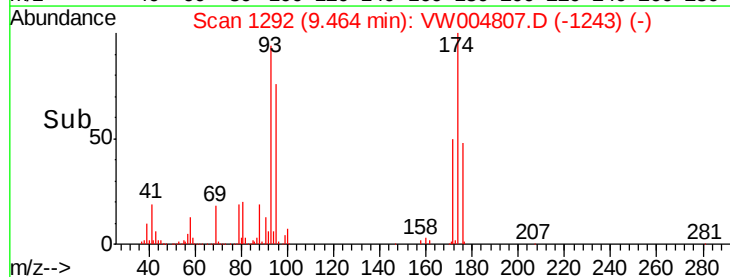
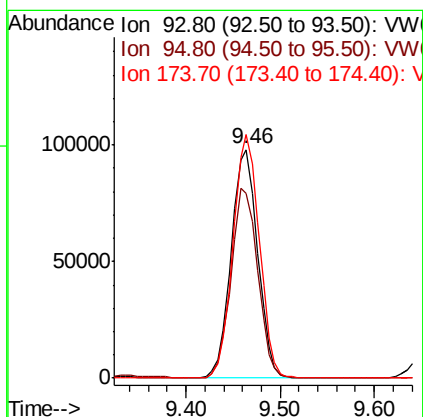
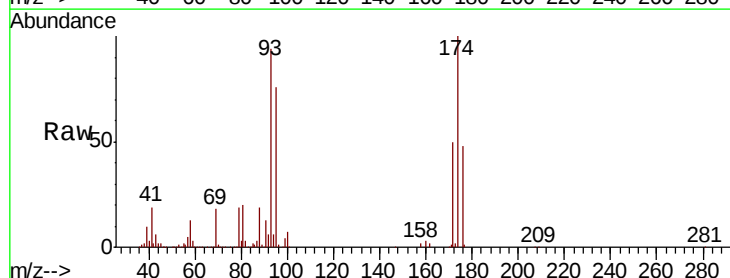
Tgt Ion: 93 Resp: 191630

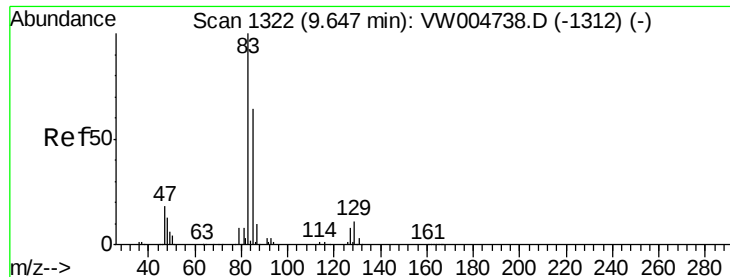
Ion Ratio Lower Upper

93 100

95 83.8 66.6 99.8

174 106.0 85.3 127.9





#47

Bromodichloromethane

Concen: 54.757 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

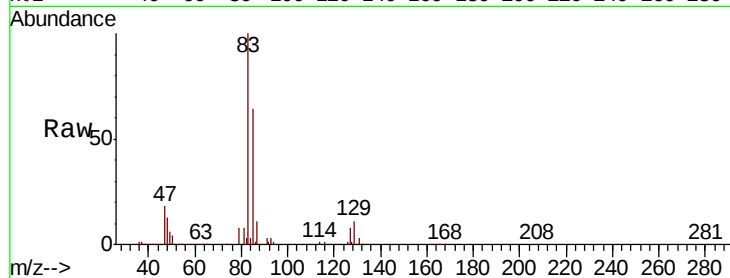
Tgt Ion: 83 Resp: 462859

Ion Ratio Lower Upper

83 100

85 64.0 51.2 76.8

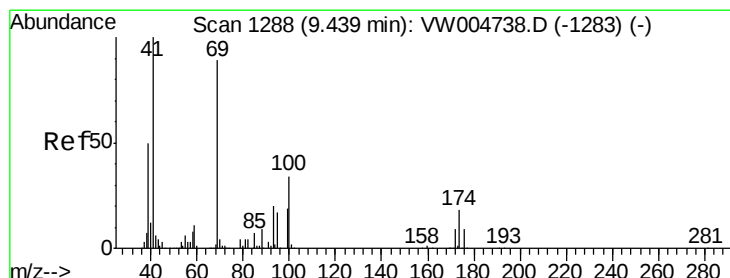
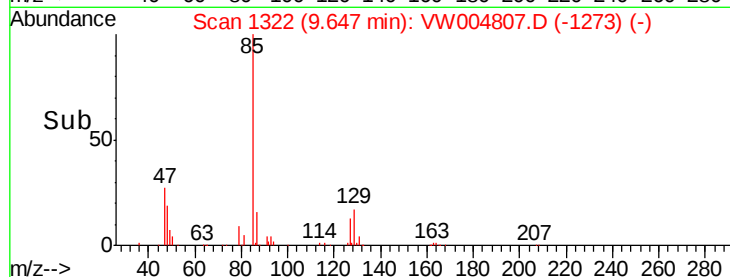
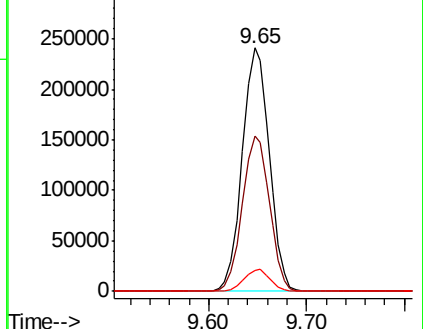
127 8.4 6.7 10.1



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: 58.067 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

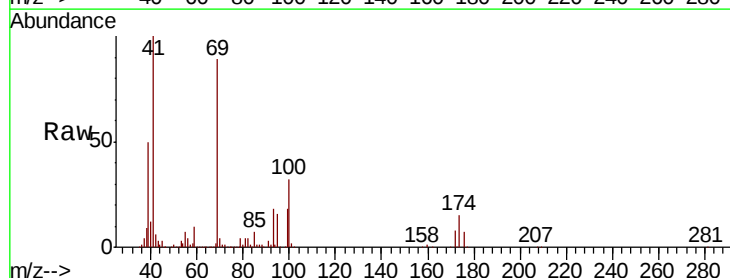
Tgt Ion: 41 Resp: 196073

Ion Ratio Lower Upper

41 100

69 95.0 75.2 112.8

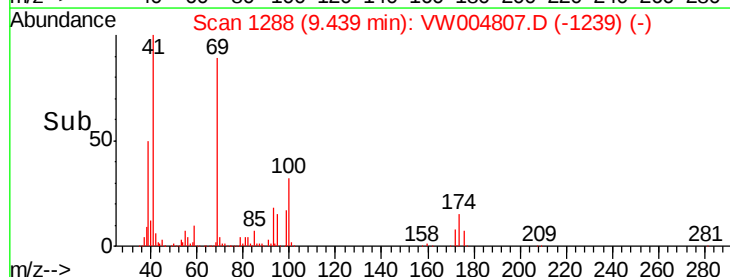
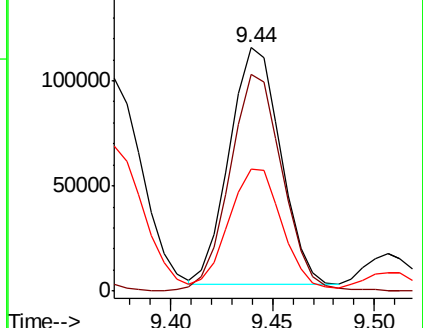
39 51.2 39.8 59.6

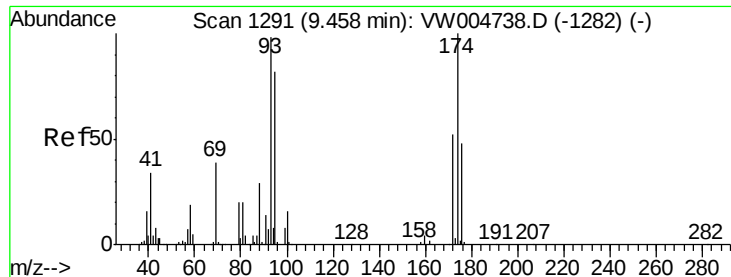


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1245.176 ug/l

RT: 9.48 min Scan# 1294

Delta R.T. 0.02 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

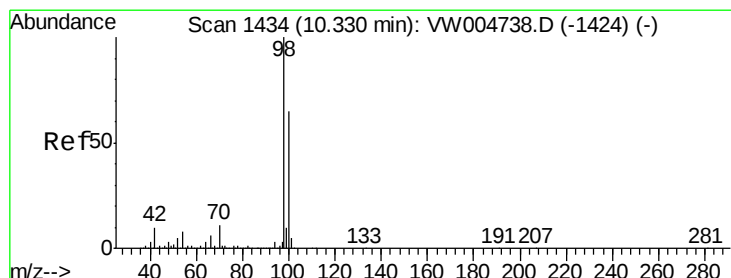
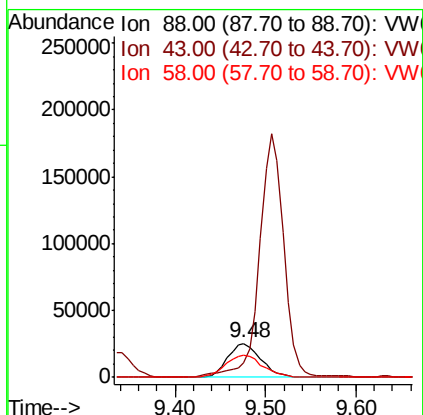
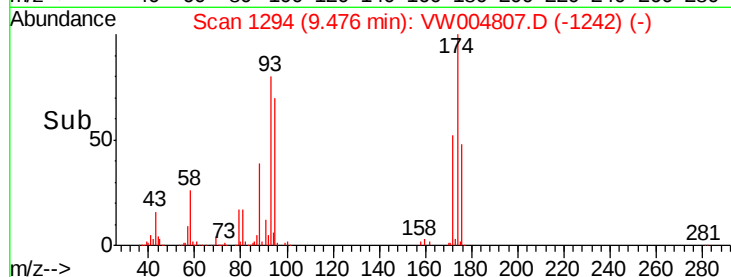
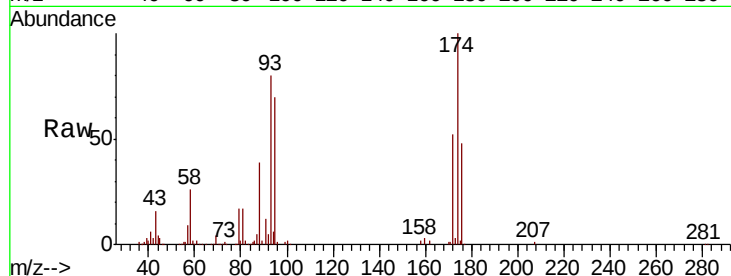
Tgt Ion: 88 Resp: 64389

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

58 74.3 60.0 90.0



#50

Toluene-d8

Concen: 52.525 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004807.D

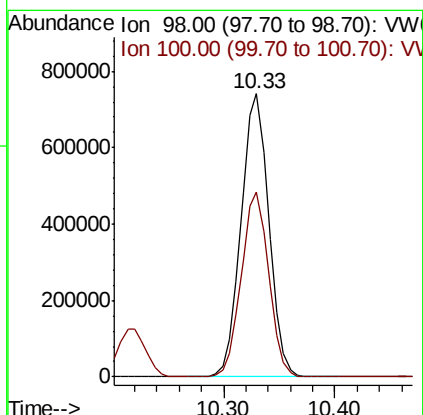
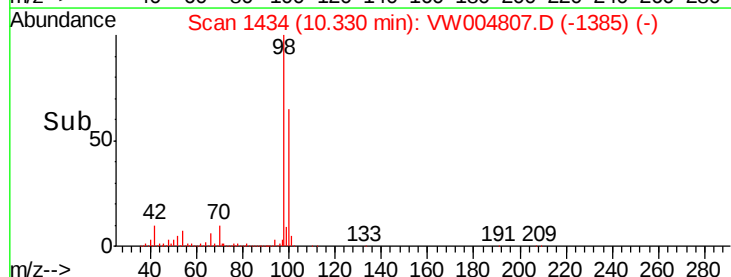
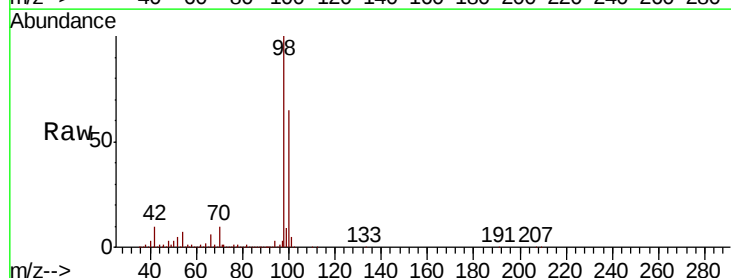
Acq: 20 Aug 2018 23:28

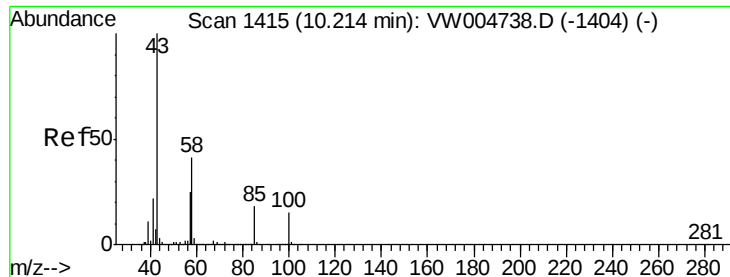
Tgt Ion: 98 Resp: 1278443

Ion Ratio Lower Upper

98 100

100 64.8 51.8 77.8

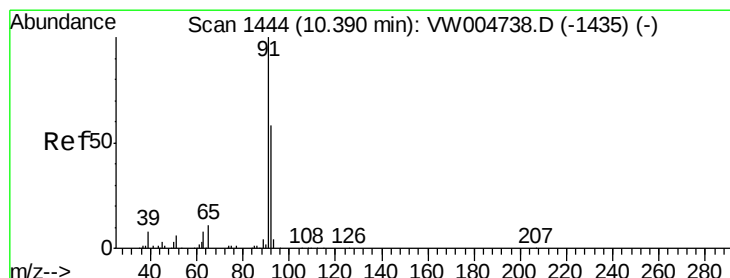
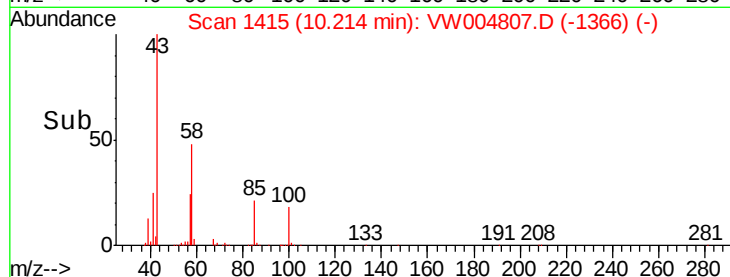
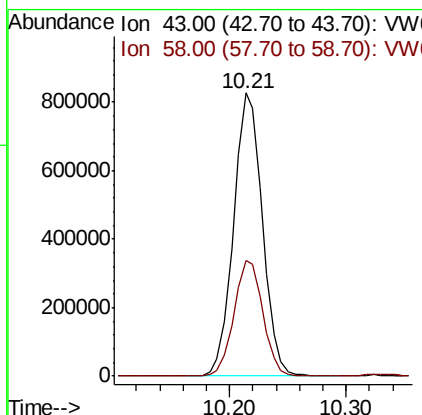
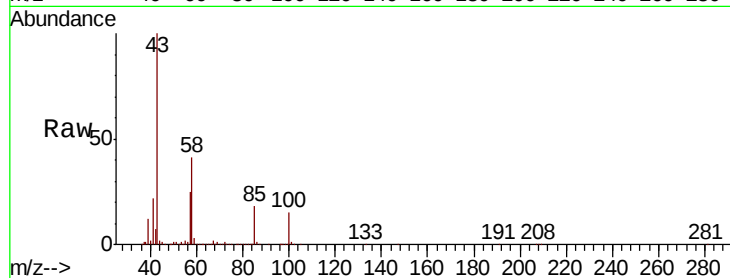




#51
 4-Methyl-2-Pentanone
 Concen: 292.784 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VW004807.D
 Acq: 20 Aug 2018 23:28

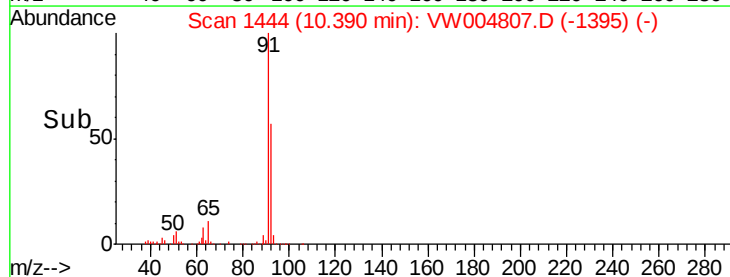
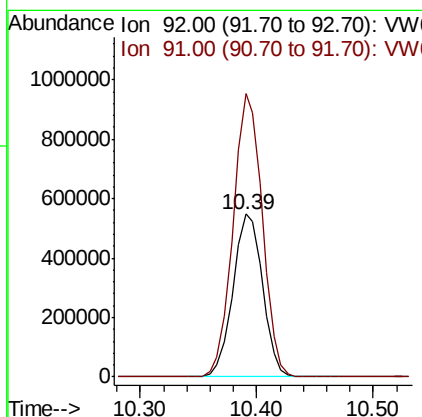
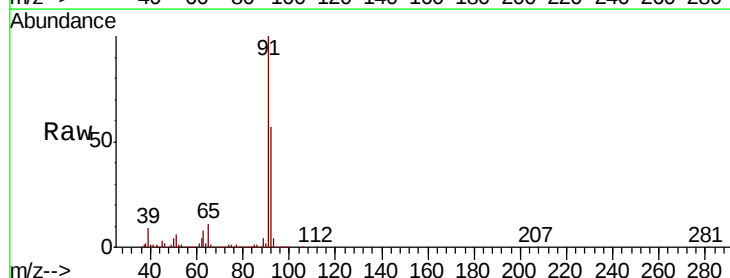
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

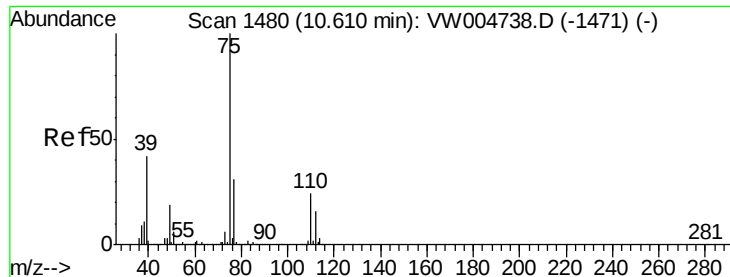
Tgt Ion: 43 Resp: 1423946
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.7 49.1



#52
 Toluene
 Concen: 55.173 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW004807.D
 Acq: 20 Aug 2018 23:28

Tgt Ion: 92 Resp: 966461
 Ion Ratio Lower Upper
 92 100
 91 172.2 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 55.495 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

Instrument :

MSVOA_W

ClientSampleId :

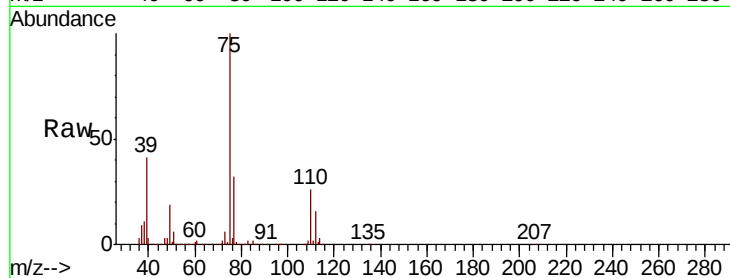
VSTDCCC050

Tgt Ion: 75 Resp: 472621

Ion Ratio Lower Upper

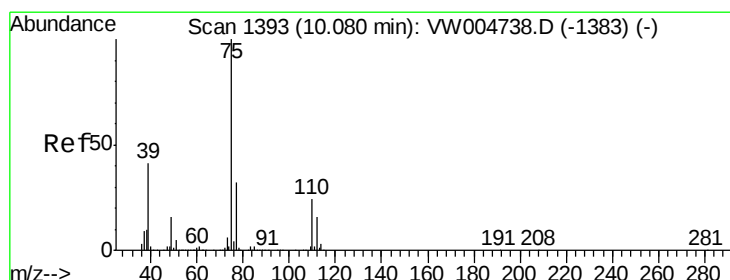
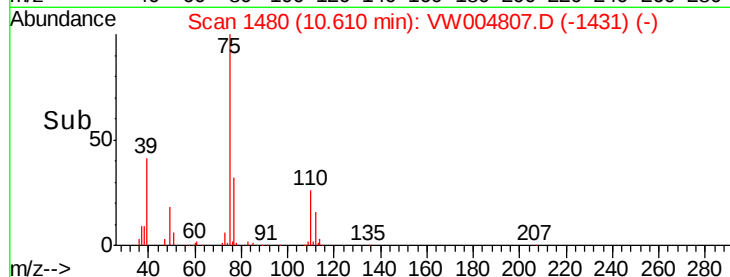
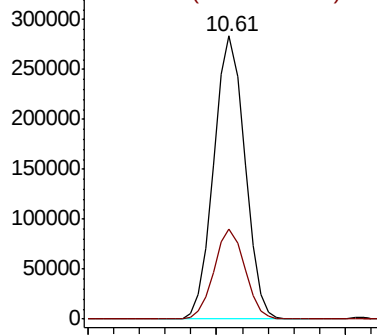
75 100

77 31.9 24.8 37.2



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: 55.493 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

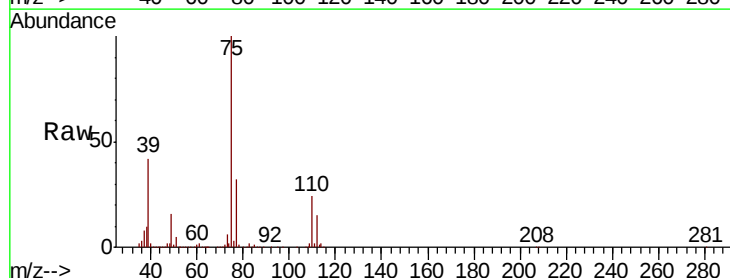
Tgt Ion: 75 Resp: 563413

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4

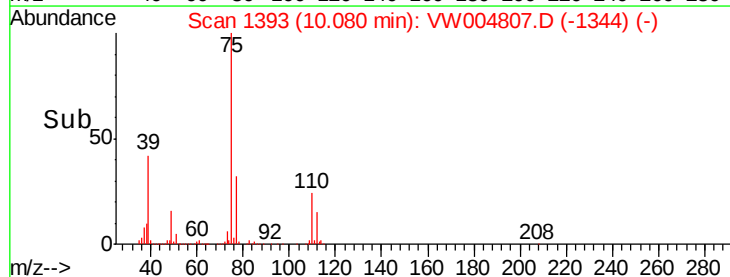
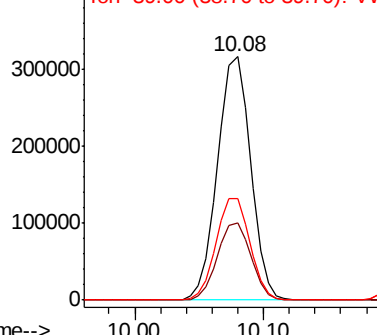
39 41.7 33.0 49.4

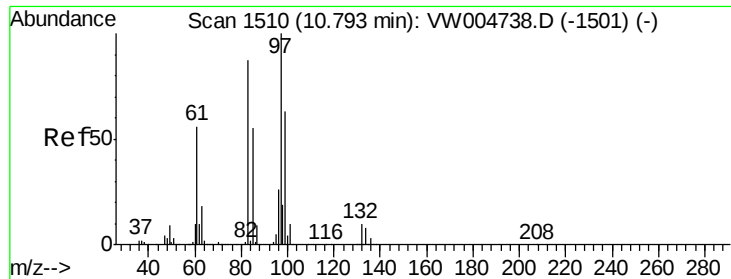


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

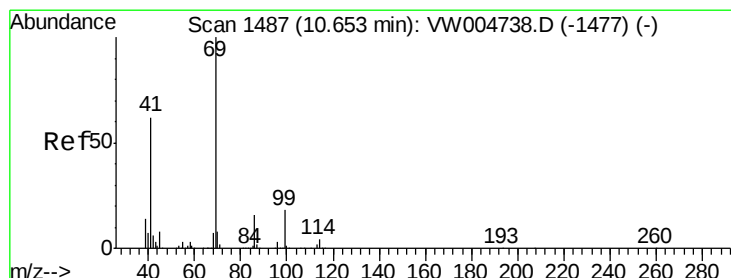
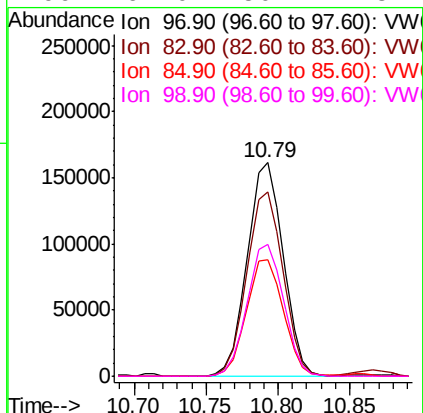
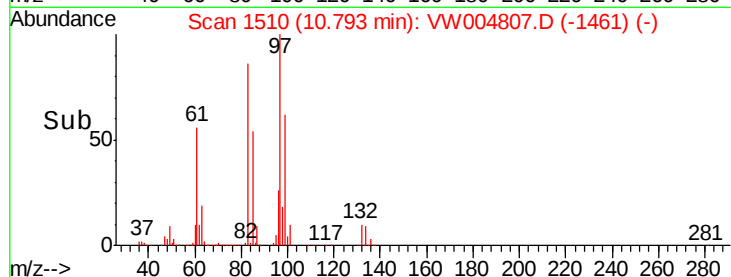
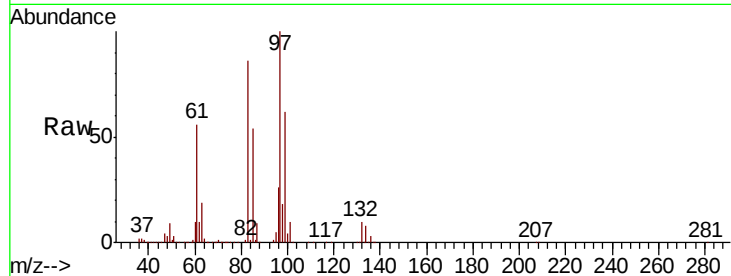




#55
 1,1,2-Trichloroethane
 Concen: 55.297 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004807.D
 Acq: 20 Aug 2018 23:28

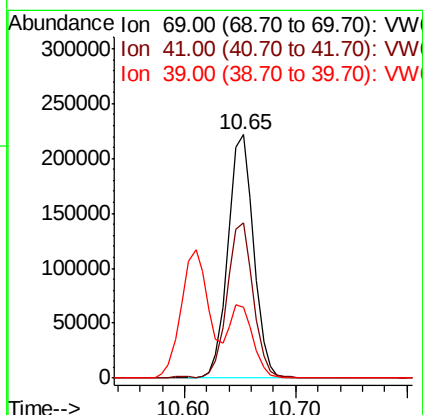
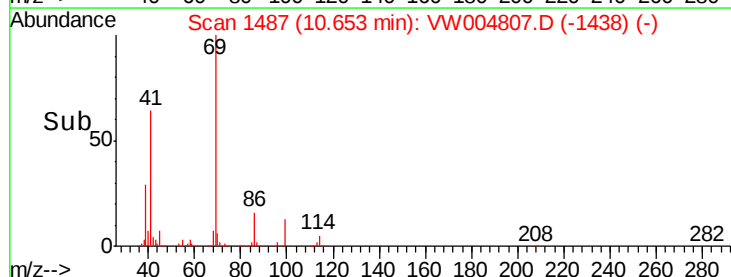
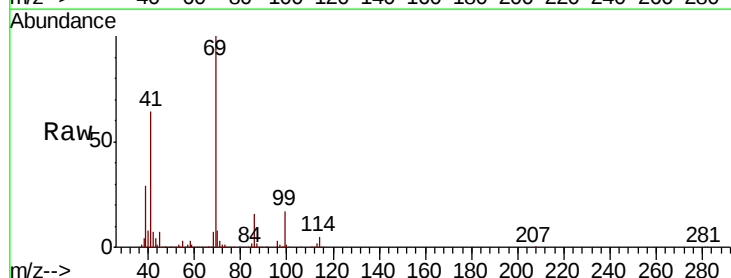
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

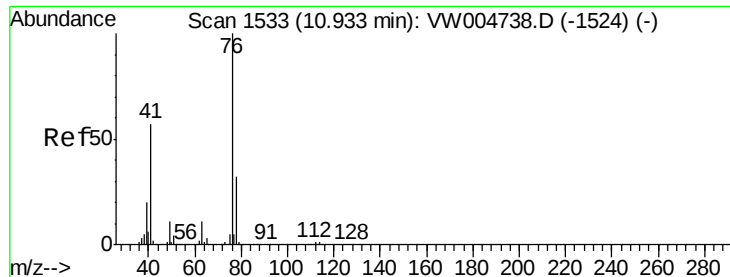
Tgt Ion:	97	Resp:	278210
Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.4	104.2
85	54.3	44.3	66.5
99	62.0	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 53.695 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004807.D
 Acq: 20 Aug 2018 23:28

Tgt Ion:	69	Resp:	354468
Ion	Ratio	Lower	Upper
69	100		
41	63.8	50.7	76.1
39	27.1	21.4	32.2





#57

1,3-Dichloropropane

Concen: 55.537 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. -0.00 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

Instrument :

MSVOA_W

ClientSampleId :

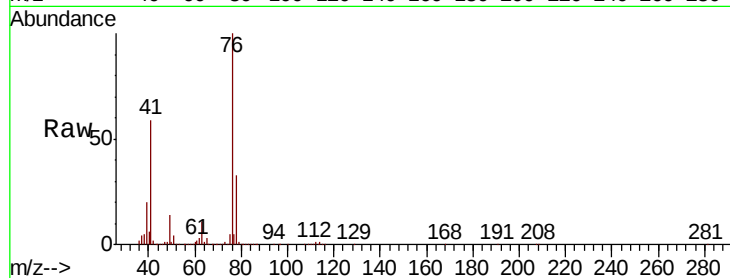
VSTDCCC050

Tgt Ion: 76 Resp: 482315

Ion Ratio Lower Upper

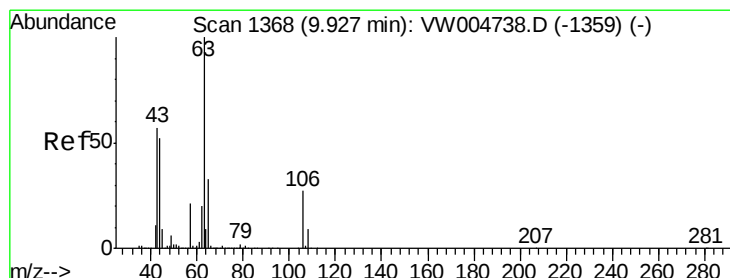
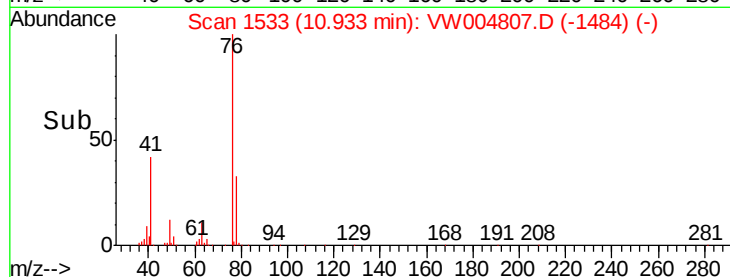
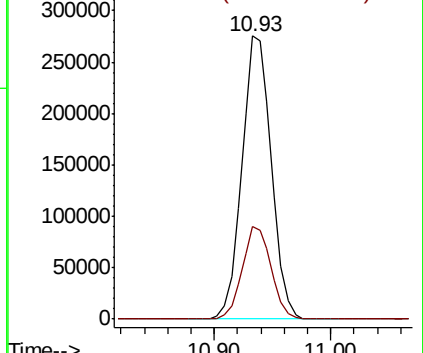
76 100

78 32.4 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 286.397 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VW004807.D

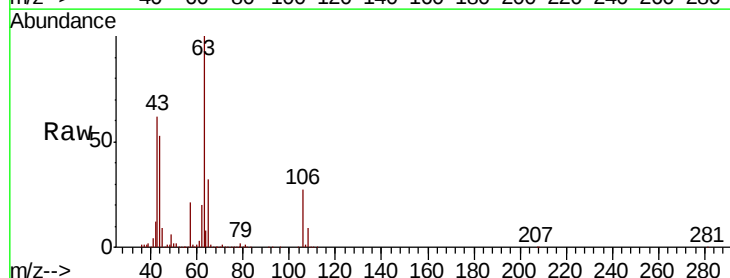
Acq: 20 Aug 2018 23:28

Tgt Ion: 63 Resp: 795761

Ion Ratio Lower Upper

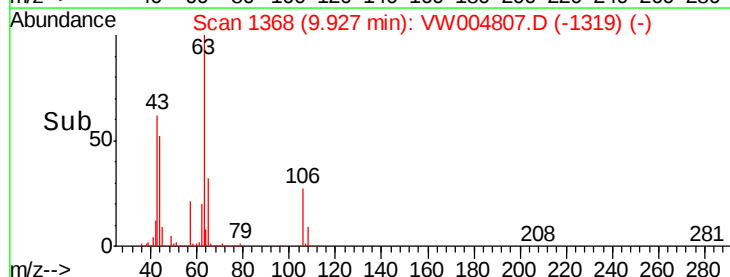
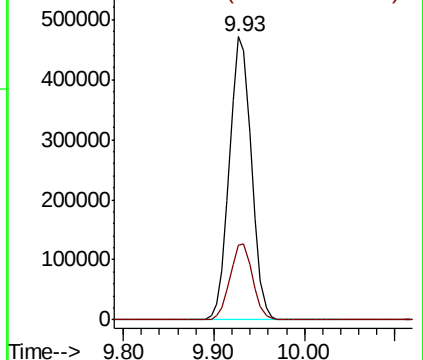
63 100

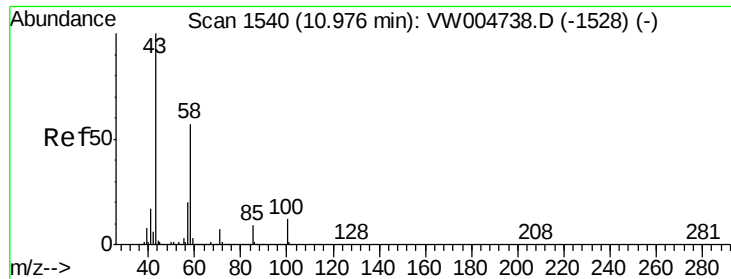
106 27.5 22.1 33.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

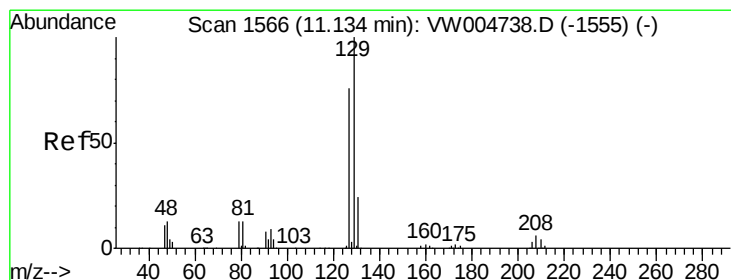
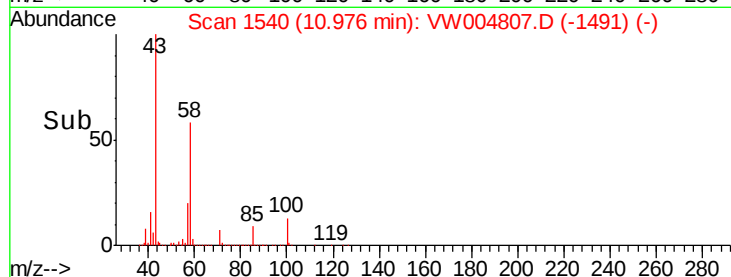
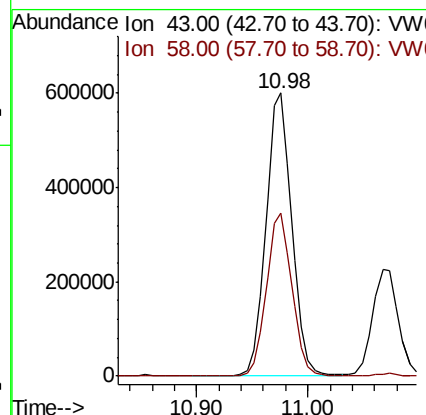
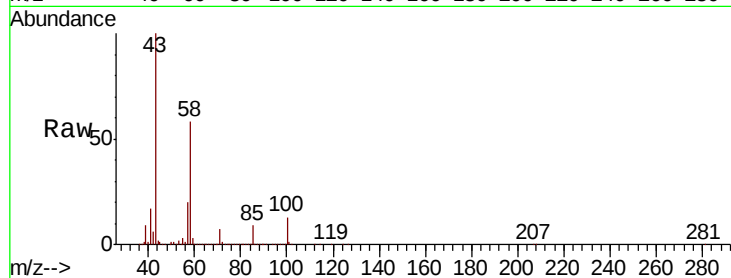




#59
2-Hexanone
Concen: 294.397 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

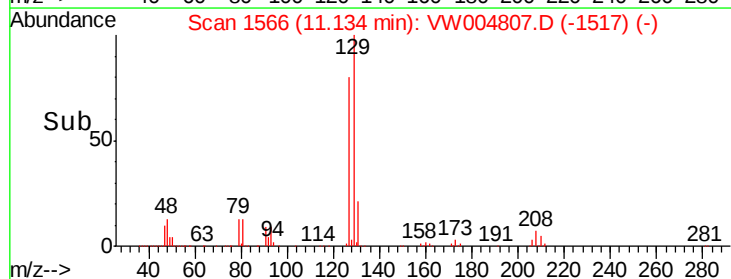
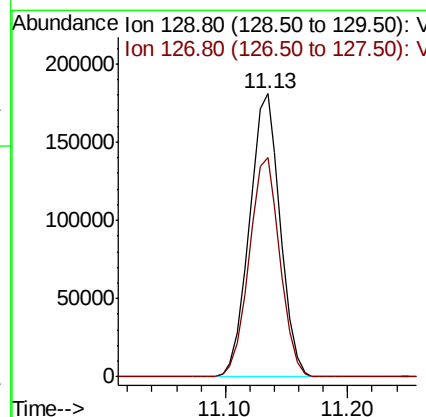
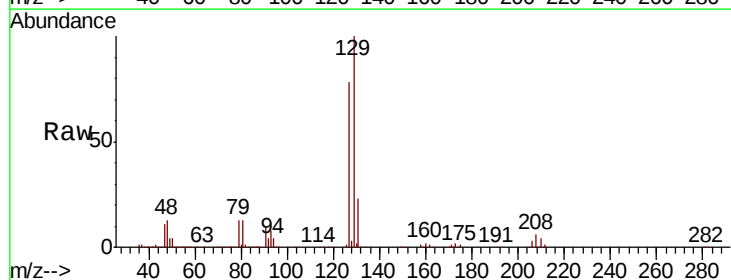
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

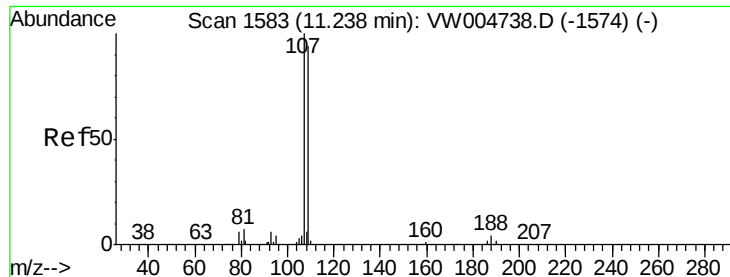
Tgt Ion: 43 Resp: 970133
Ion Ratio Lower Upper
43 100
58 57.1 28.1 84.4



#60
Dibromochloromethane
Concen: 55.726 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

Tgt Ion: 129 Resp: 314557
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5

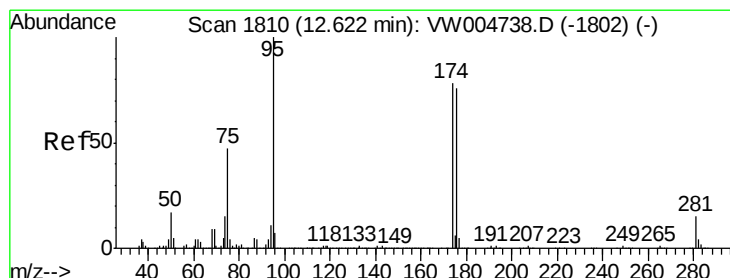
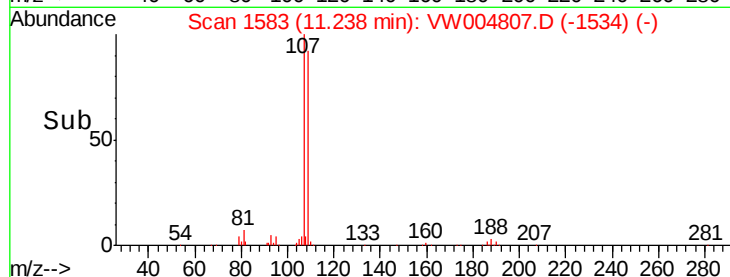
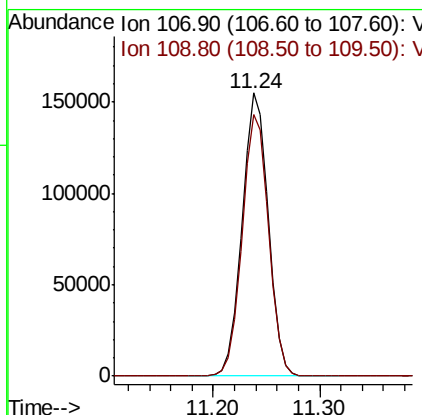
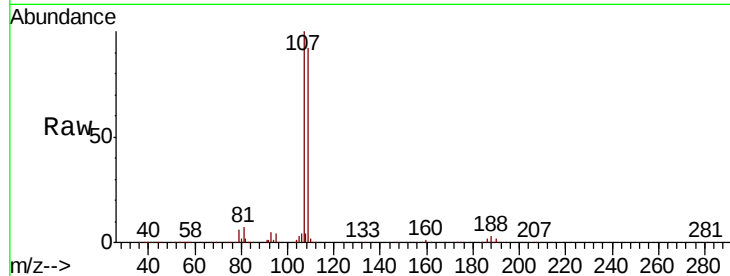




#61
1,2-Dibromoethane
Concen: 55.489 ug/l
RT: 11.24 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

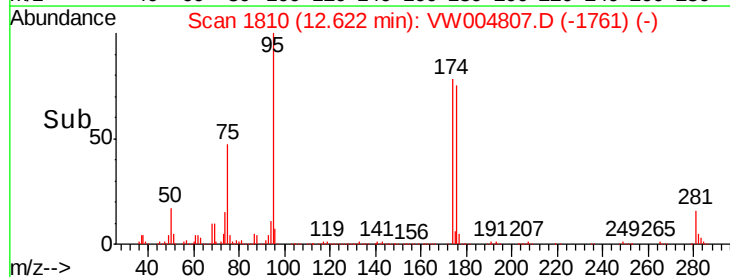
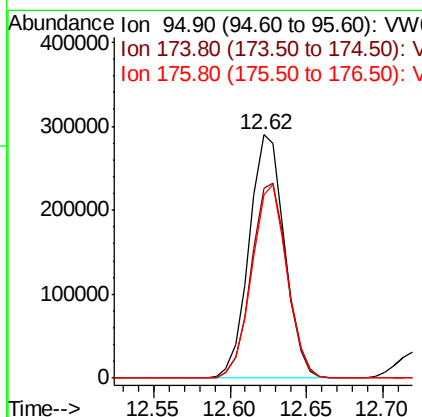
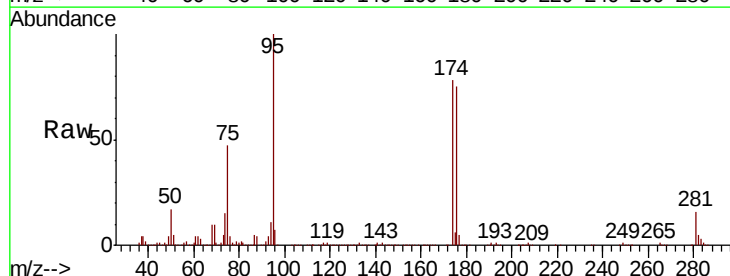
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

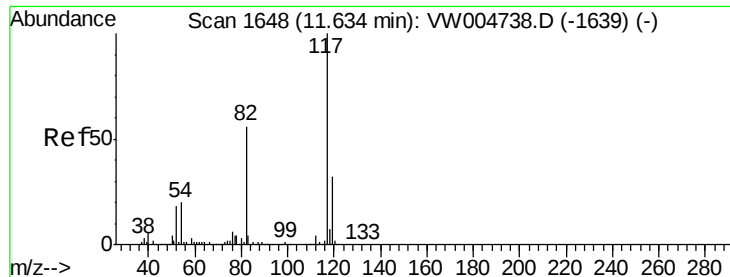
Tgt Ion: 107 Resp: 266855
Ion Ratio Lower Upper
107 100
109 93.5 75.5 113.3



#62
4-Bromofluorobenzene
Concen: 53.231 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

Tgt Ion: 95 Resp: 466115
Ion Ratio Lower Upper
95 100
174 81.5 0.0 165.8
176 79.1 0.0 159.8

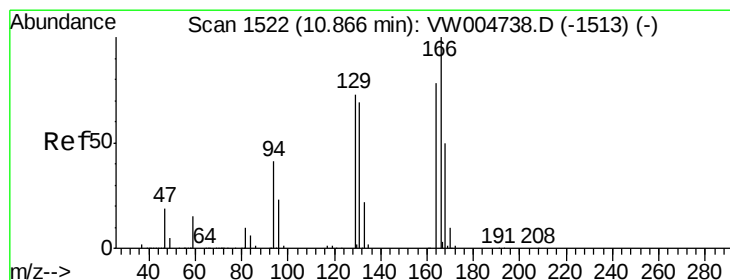
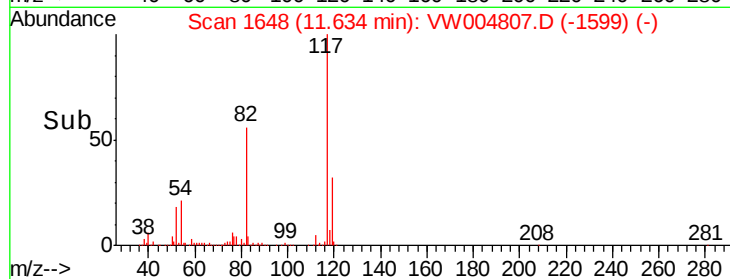
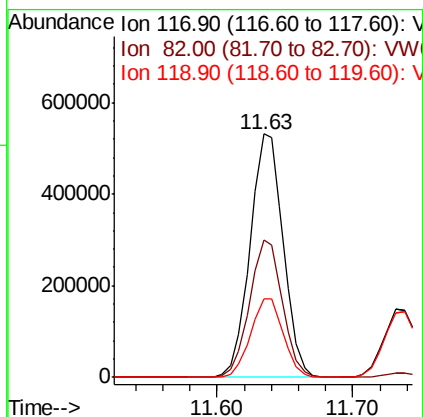
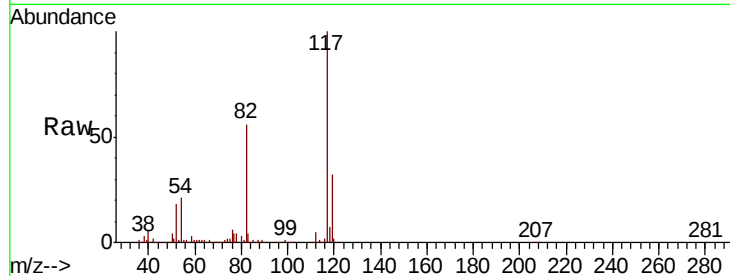




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

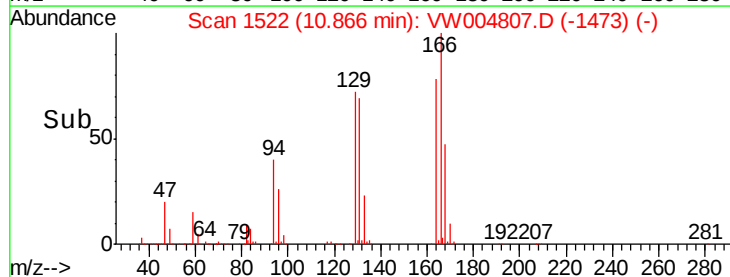
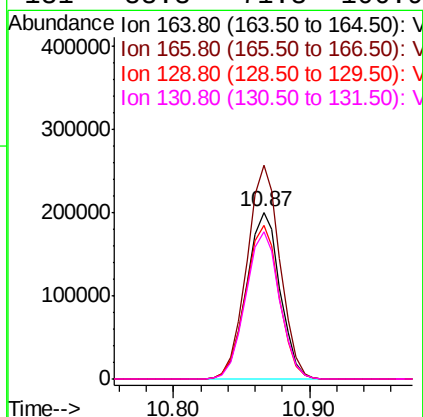
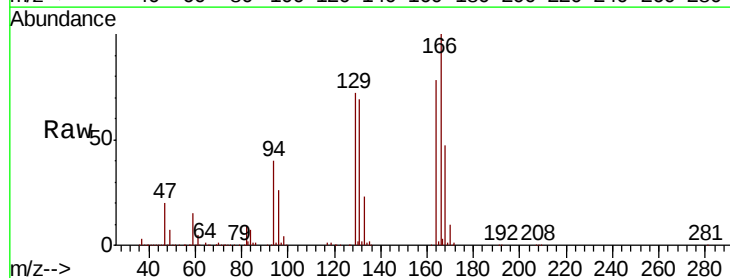
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

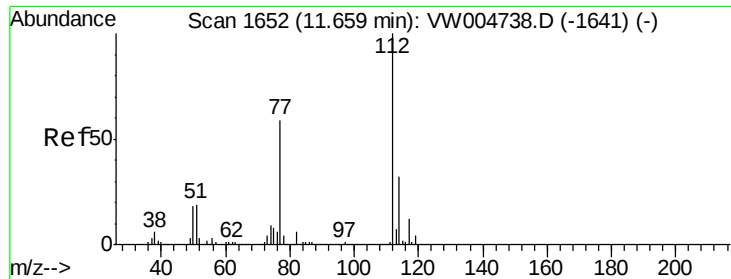
Tgt Ion:117 Resp: 907730
Ion Ratio Lower Upper
117 100
82 56.2 44.6 67.0
119 32.1 25.6 38.4



#64
Tetrachloroethene
Concen: 55.985 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

Tgt Ion:164 Resp: 347312
Ion Ratio Lower Upper
164 100
166 128.0 102.5 153.7
129 92.3 75.1 112.7
131 88.3 71.3 106.9

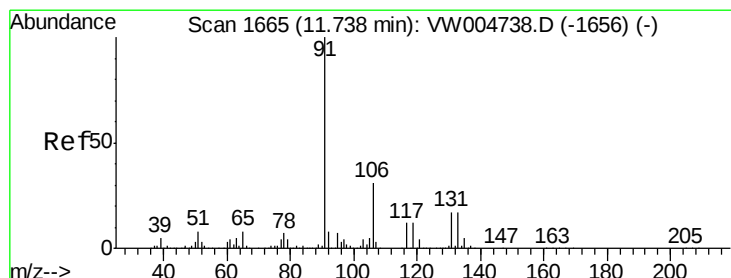
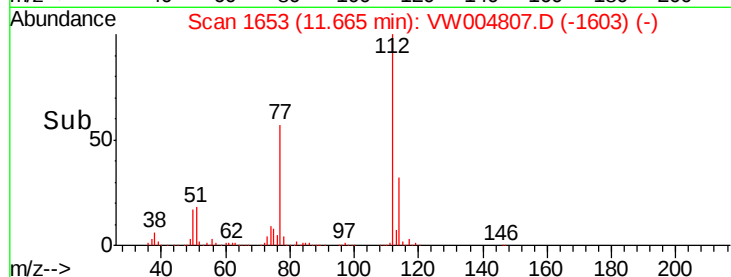
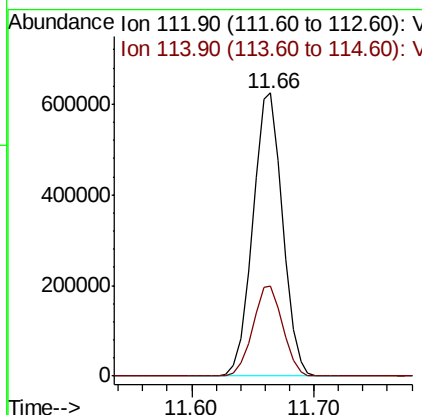
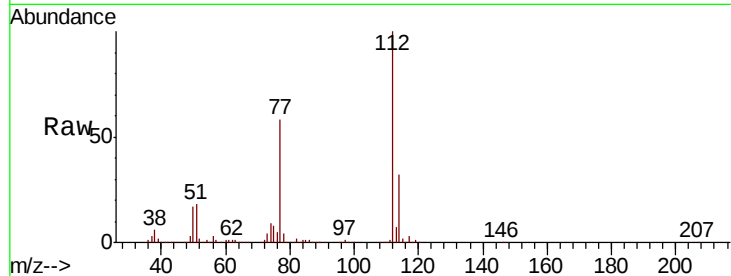




#65
Chlorobenzene
Concen: 54.279 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

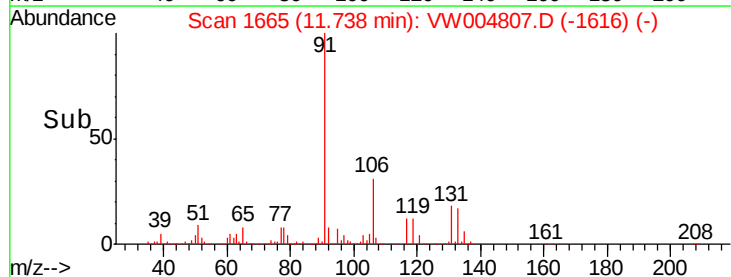
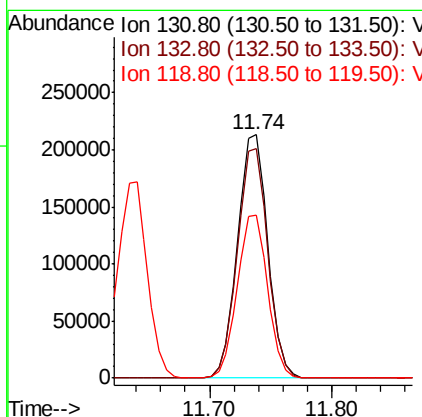
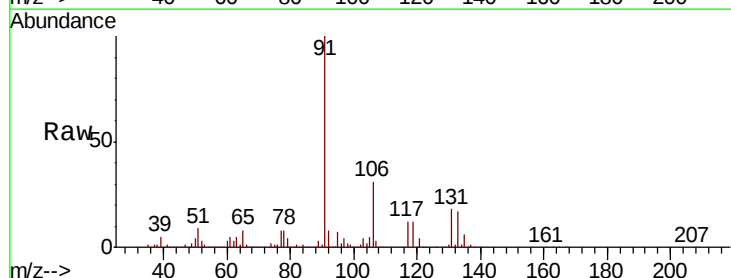
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

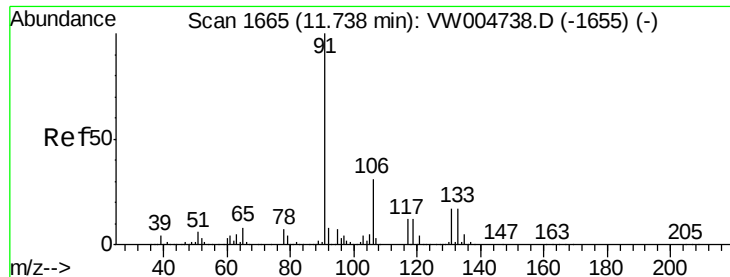
Tgt Ion:112 Resp: 1060461
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 55.302 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

Tgt Ion:131 Resp: 364816
Ion Ratio Lower Upper
131 100
133 94.9 48.2 144.6
119 67.1 34.0 102.0

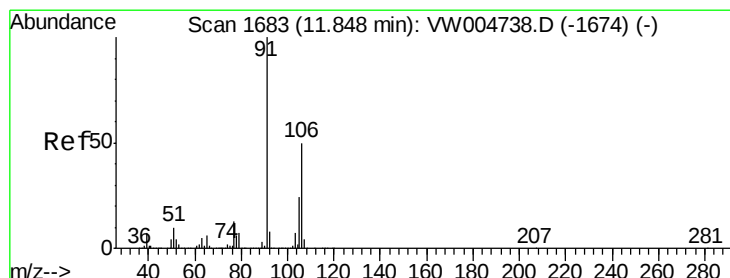
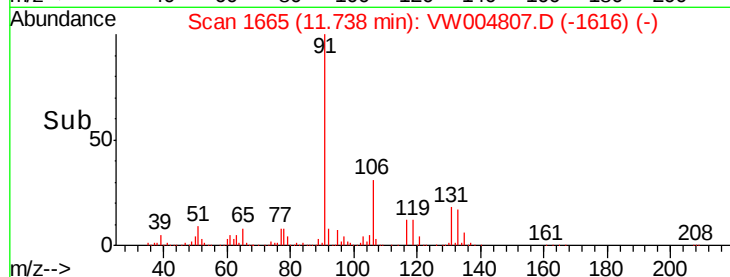
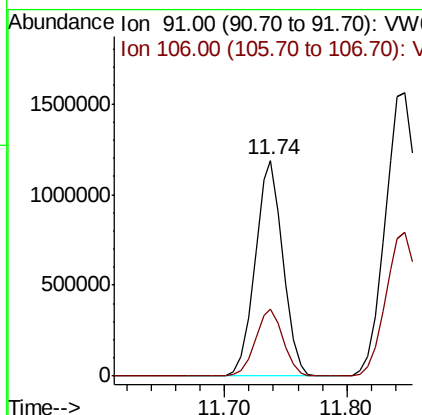
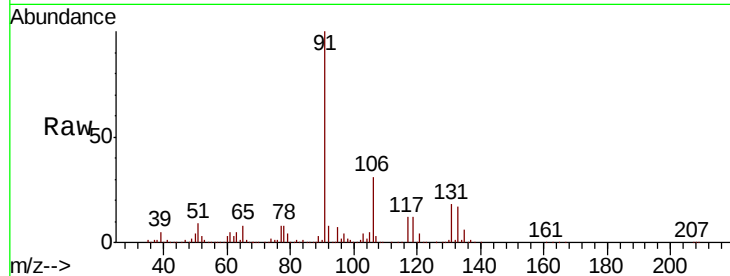




#67
Ethyl Benzene
Concen: 56.308 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

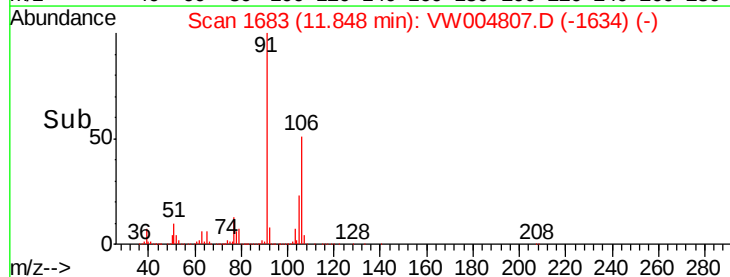
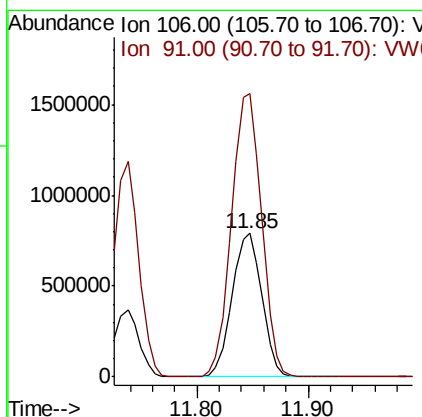
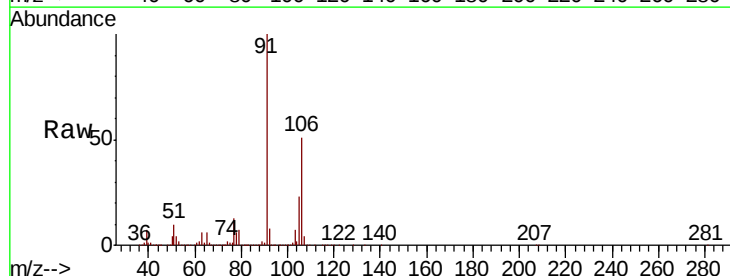
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

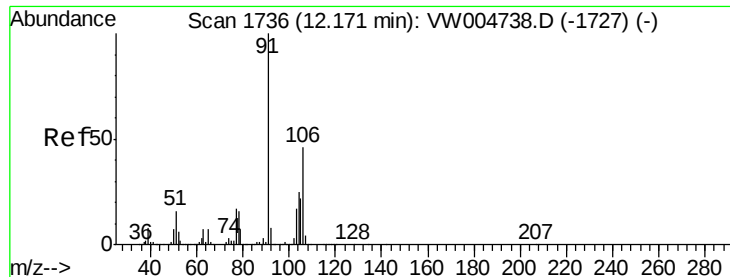
Tgt Ion: 91 Resp: 1864980
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3



#68
m/p-Xylenes
Concen: 113.154 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

Tgt Ion: 106 Resp: 1458099
Ion Ratio Lower Upper
106 100
91 199.9 159.9 239.9

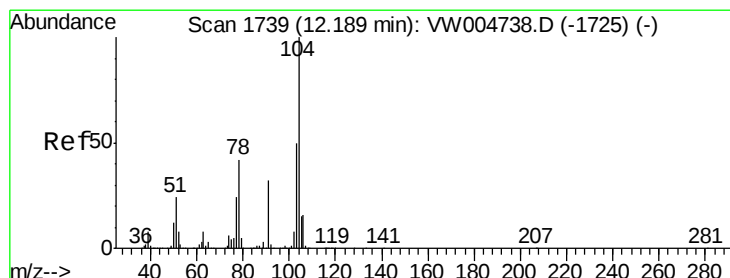
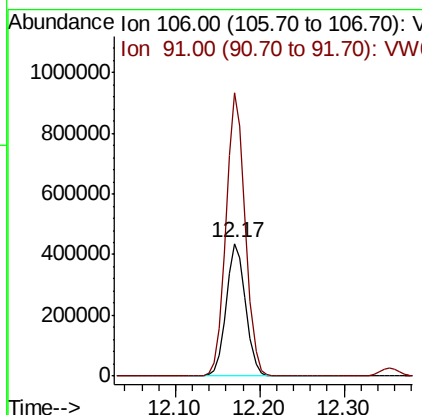
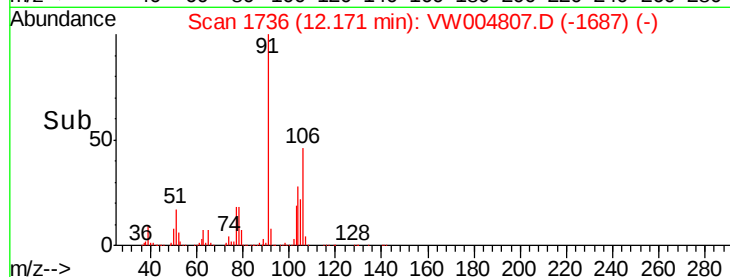
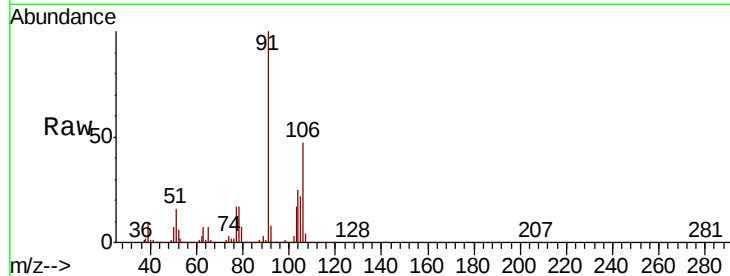




#69
o-Xylene
Concen: 57.554 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

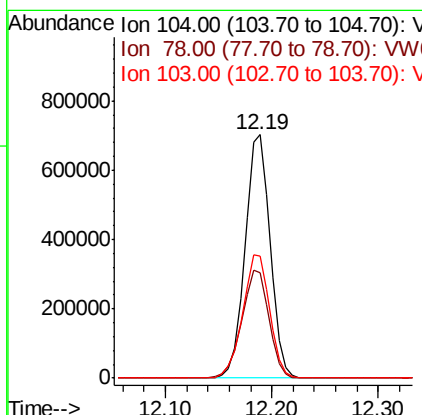
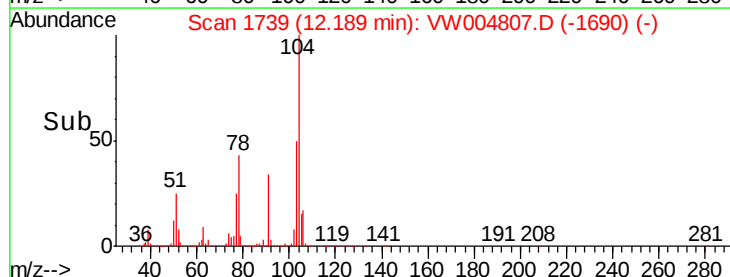
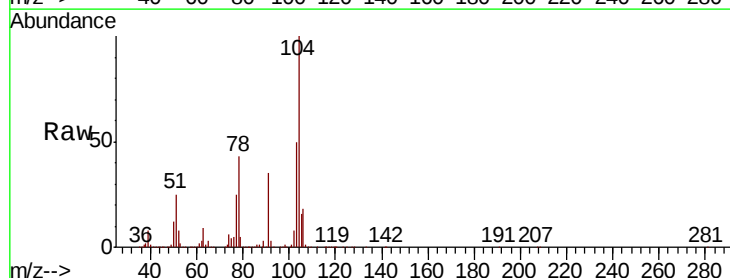
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

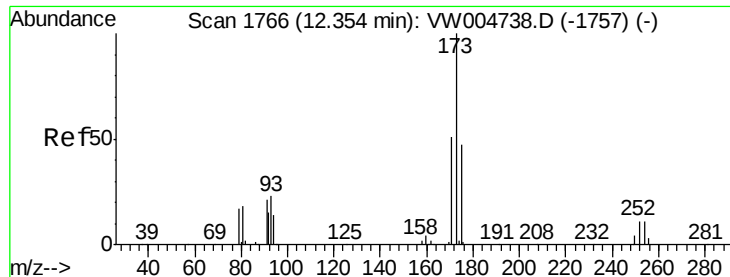
Tgt Ion:106 Resp: 686569
Ion Ratio Lower Upper
106 100
91 211.6 107.3 321.8



#70
Styrene
Concen: 57.844 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

Tgt Ion:104 Resp: 1159085
Ion Ratio Lower Upper
104 100
78 48.1 38.4 57.6
103 54.7 44.1 66.1

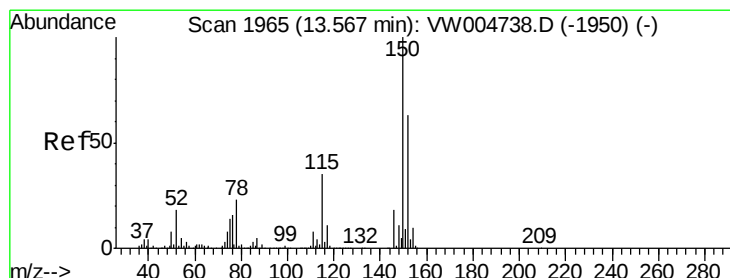
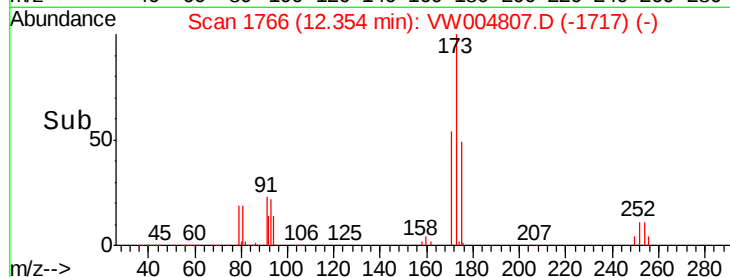
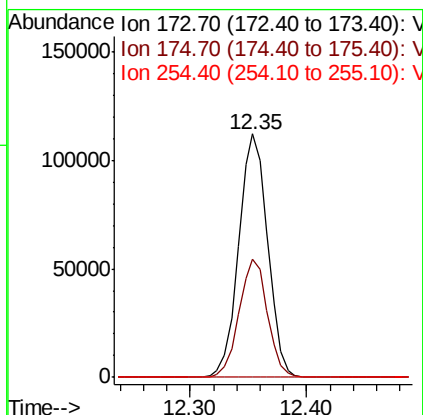
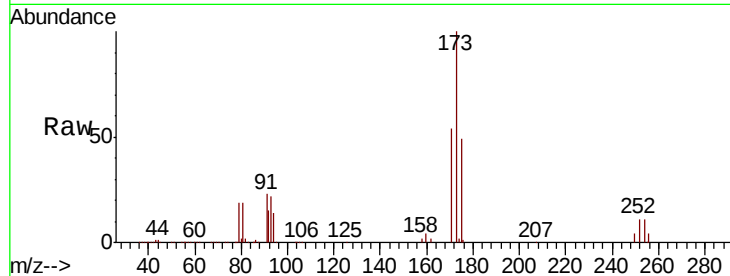




#71
Bromoform
Concen: 55.652 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. 0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

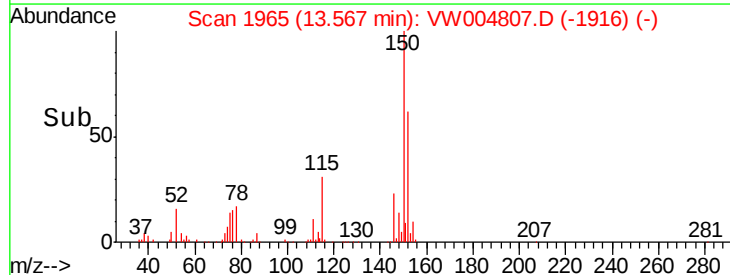
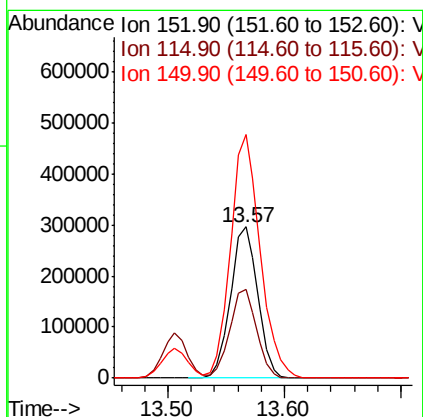
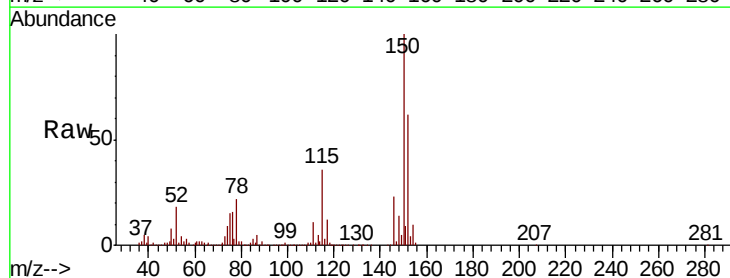
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

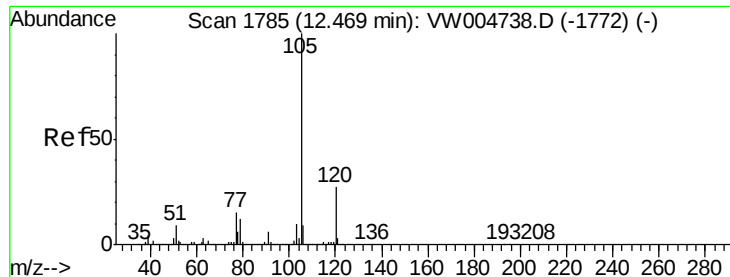
Tgt Ion:173 Resp: 193773
Ion Ratio Lower Upper
173 100
175 47.8 23.8 71.4
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

Tgt Ion:152 Resp: 479424
Ion Ratio Lower Upper
152 100
115 58.0 28.5 85.5
150 175.5 0.0 344.8





#73

Isopropylbenzene

Concen: 57.870 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

Instrument :

MSVOA_W

ClientSampleId :

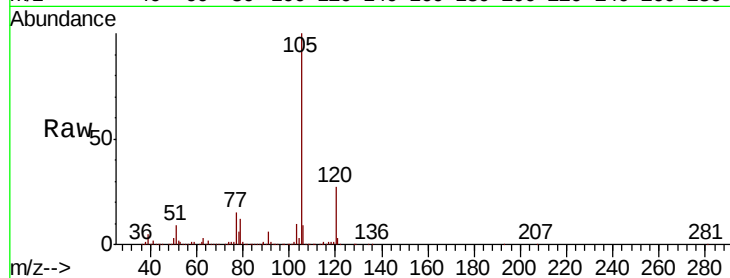
VSTDCCC050

Tgt Ion:105 Resp: 1887480

Ion Ratio Lower Upper

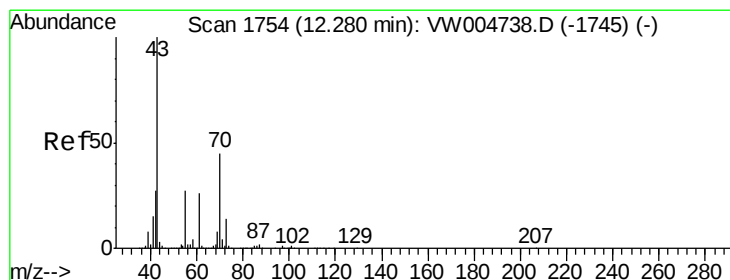
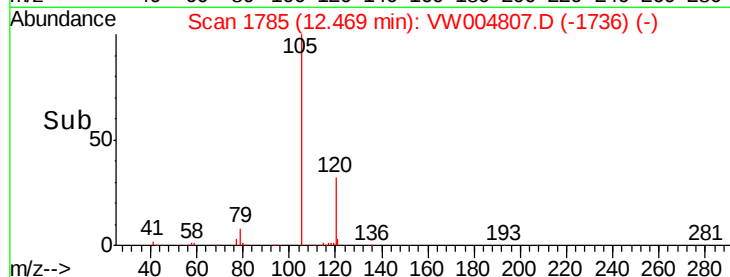
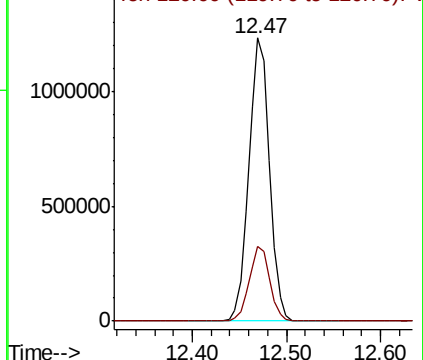
105 100

120 26.3 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.857 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

Tgt Ion: 43 Resp: 405679

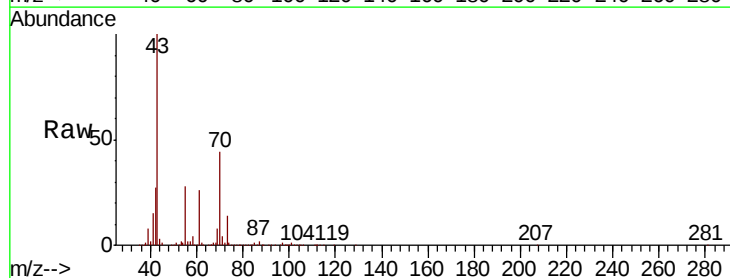
Ion Ratio Lower Upper

43 100

70 44.3 36.3 54.5

55 28.0 22.6 33.8

61 25.1 20.2 30.4

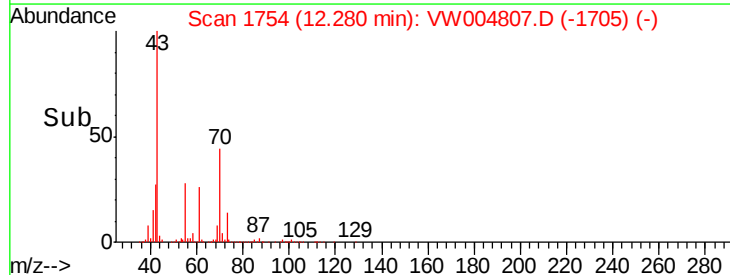
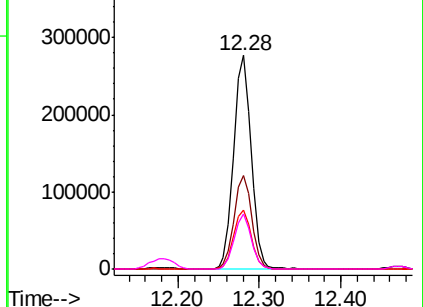


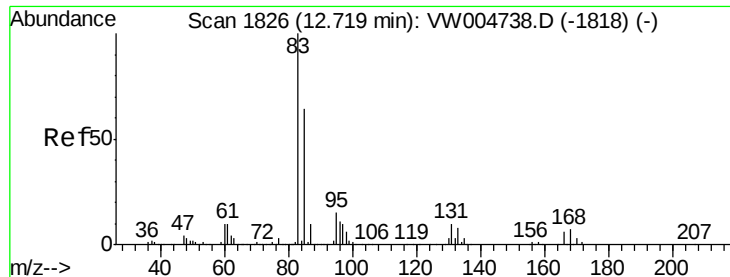
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 56.309 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

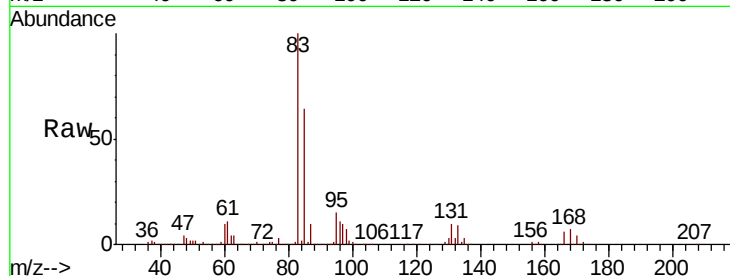
Tgt Ion: 83 Resp: 340218

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.8

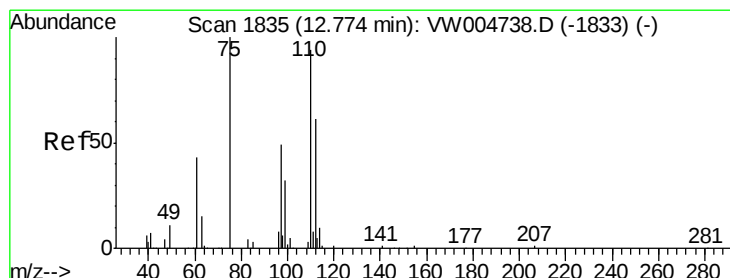
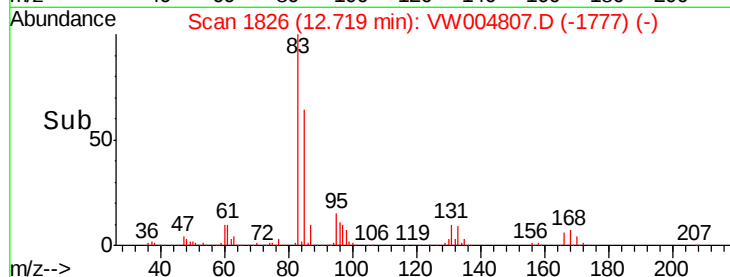
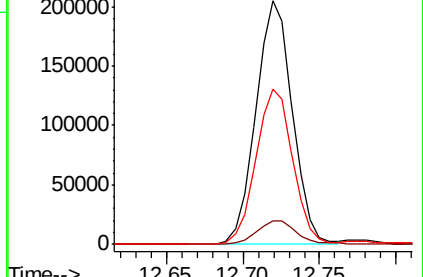
85 64.2 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 102.476 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004807.D

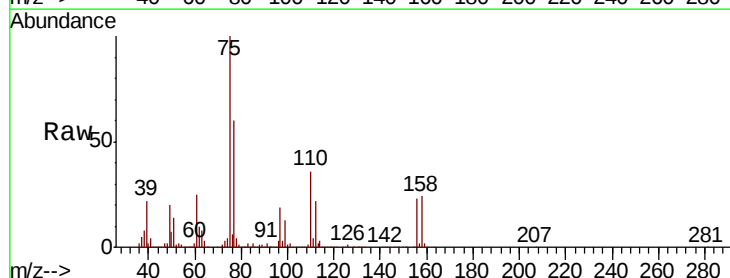
Acq: 20 Aug 2018 23:28

Tgt Ion: 75 Resp: 433087

Ion Ratio Lower Upper

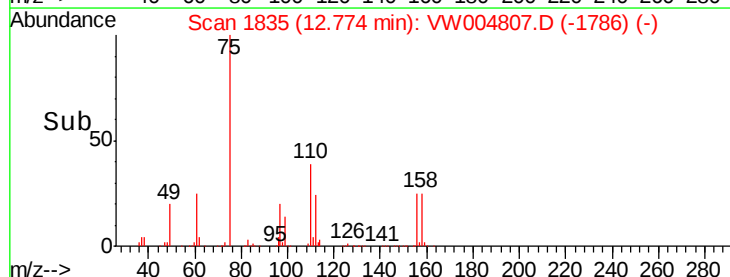
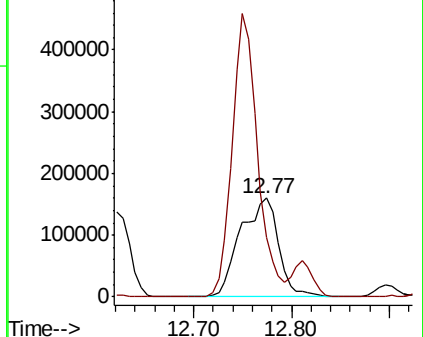
75 100

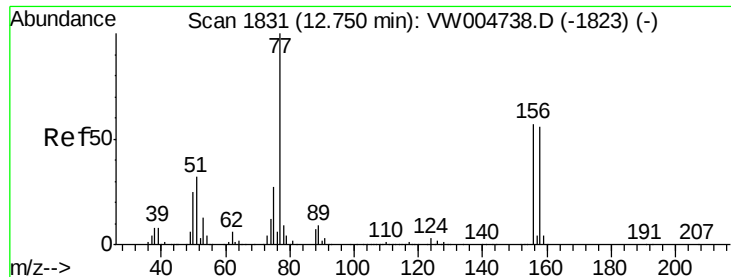
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

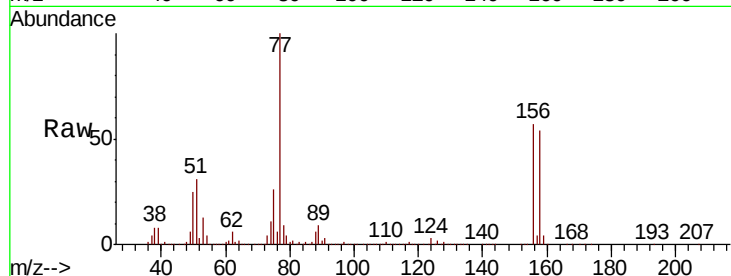




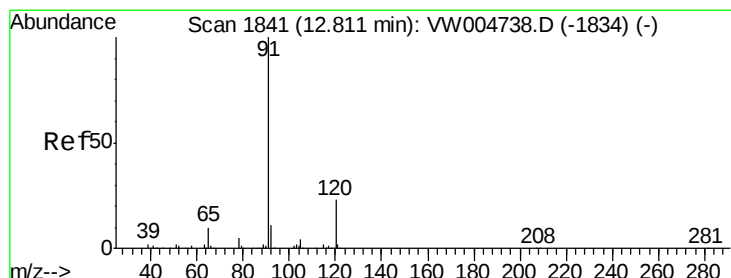
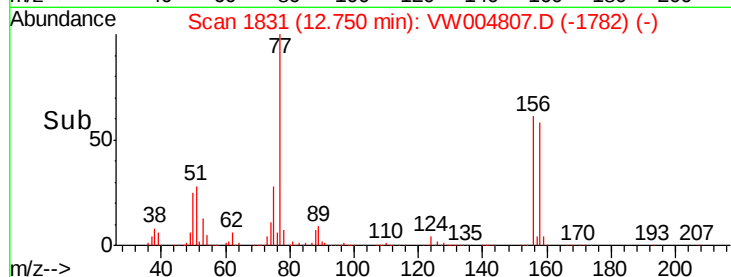
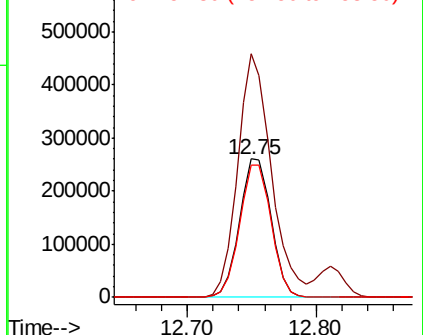
#77
Bromobenzene
Concen: 55.691 ug/l
RT: 12.75 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 439657
Ion Ratio Lower Upper
156 100
77 188.0 94.2 282.4
158 96.1 48.6 145.9

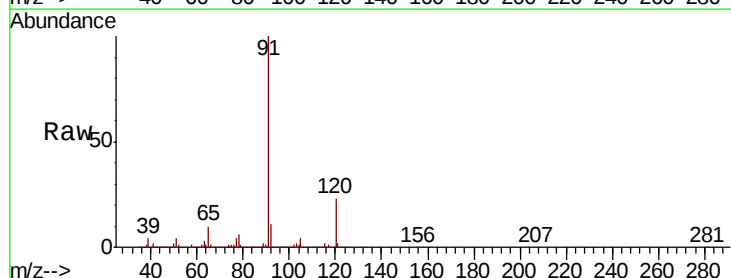


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V

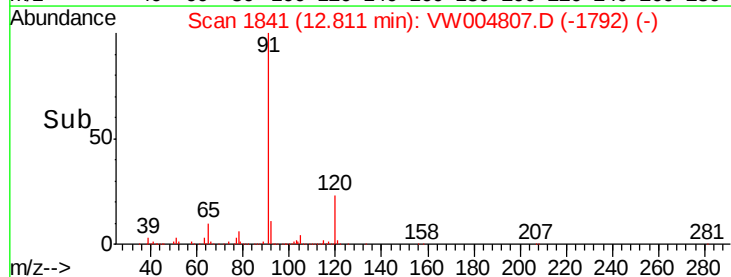
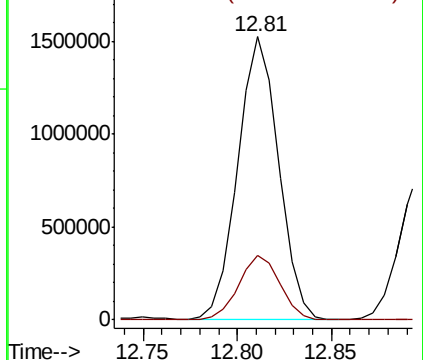


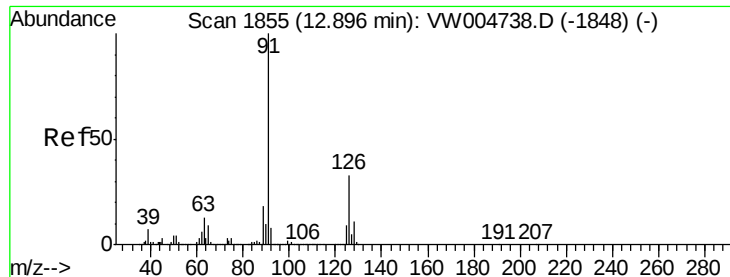
#78
n-propylbenzene
Concen: 57.503 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

Tgt Ion: 91 Resp: 2288613
Ion Ratio Lower Upper
91 100
120 22.8 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V

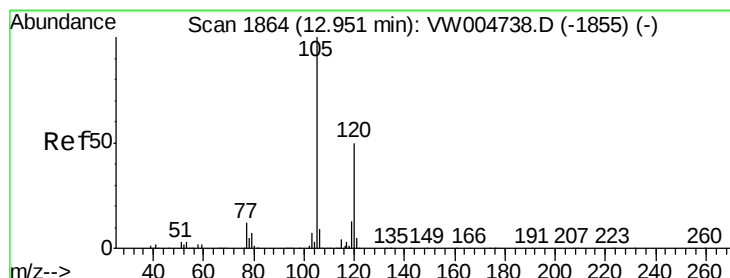
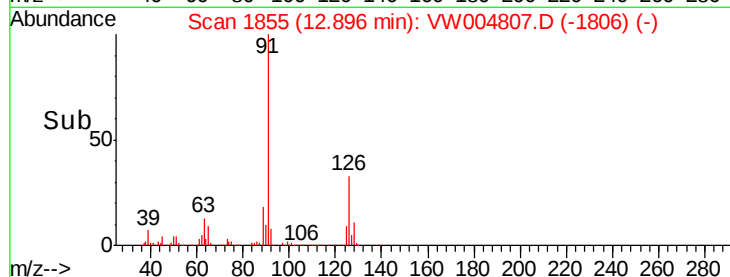
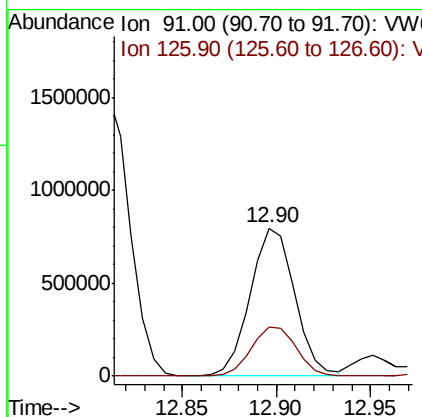
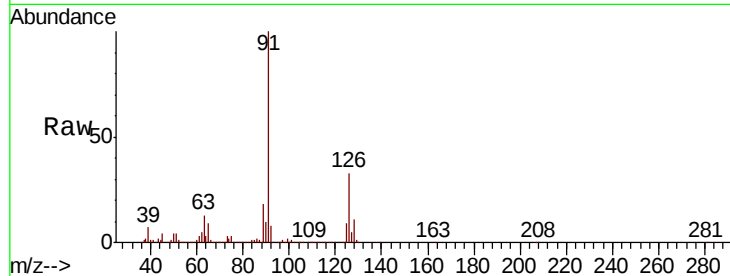




#79
2-Chlorotoluene
Concen: 56.873 ug/l
RT: 12.90 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

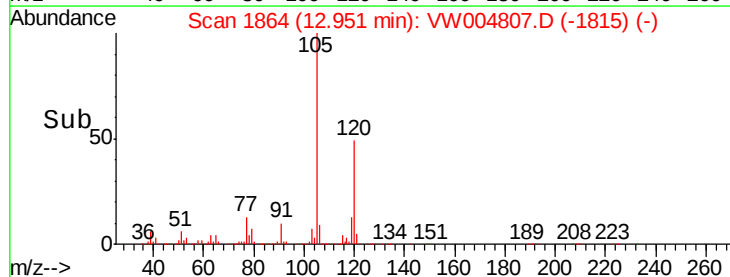
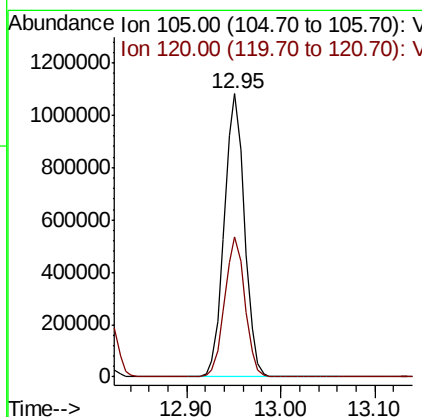
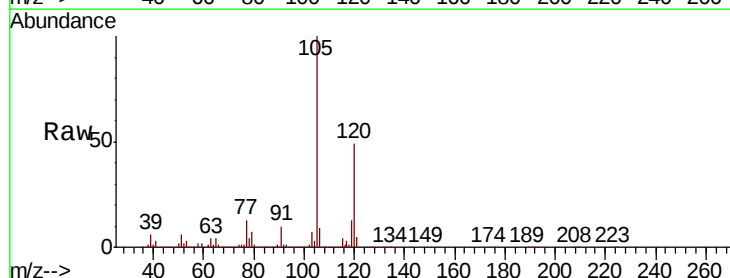
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

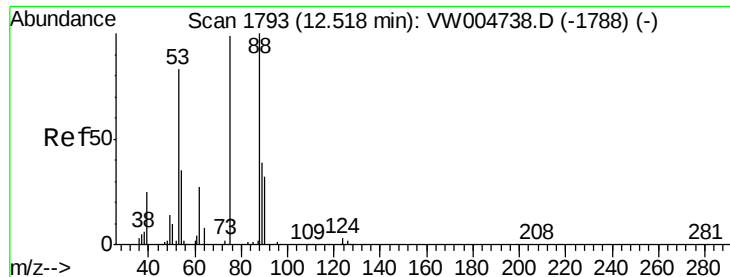
Tgt Ion: 91 Resp: 1304727
Ion Ratio Lower Upper
91 100
126 33.7 17.0 51.0



#80
1,3,5-Trimethylbenzene
Concen: 58.034 ug/l
RT: 12.95 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

Tgt Ion:105 Resp: 1608068
Ion Ratio Lower Upper
105 100
120 49.4 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 55.724 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

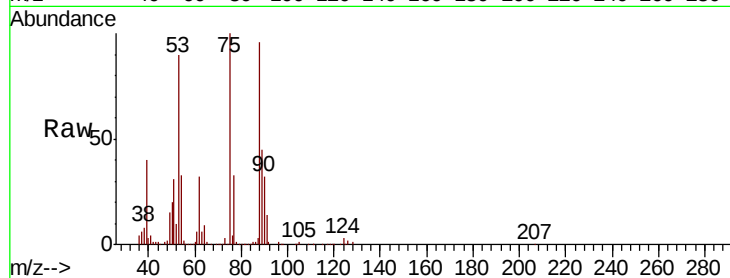
Tgt Ion: 75 Resp: 101324

Ion Ratio Lower Upper

75 100

53 91.9 72.2 108.4

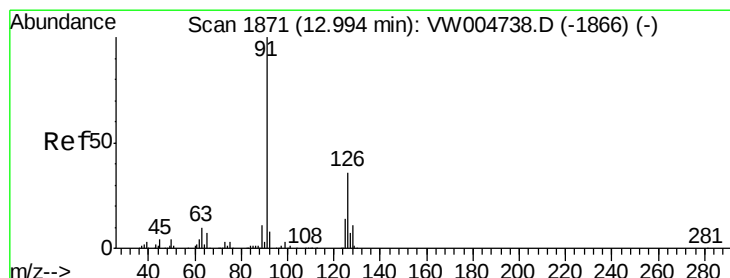
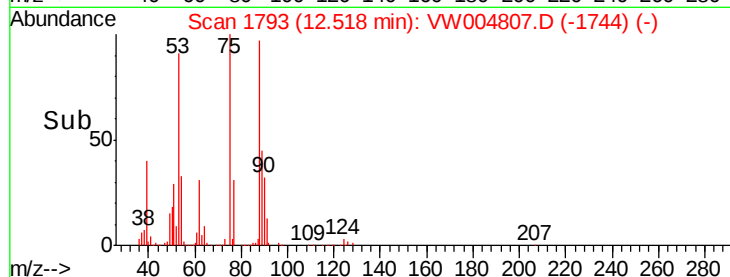
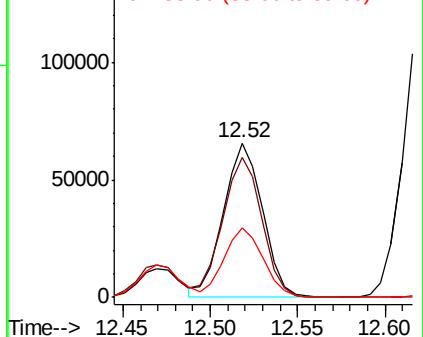
89 45.0 35.2 52.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 56.009 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW004807.D

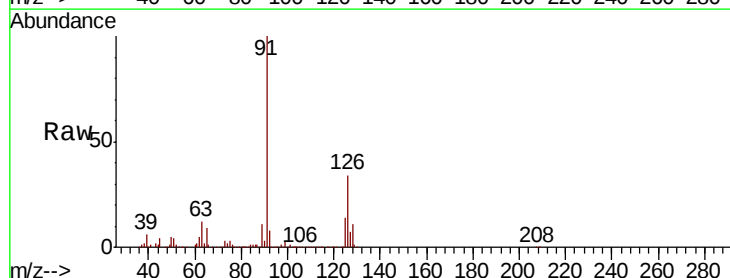
Acq: 20 Aug 2018 23:28

Tgt Ion: 91 Resp: 1365219

Ion Ratio Lower Upper

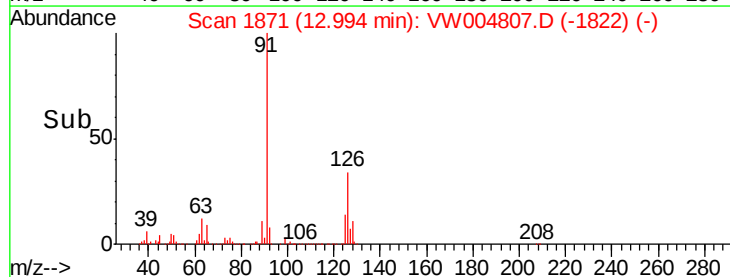
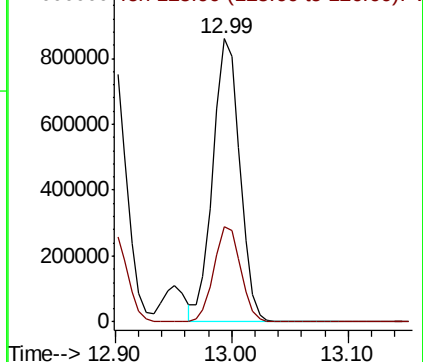
91 100

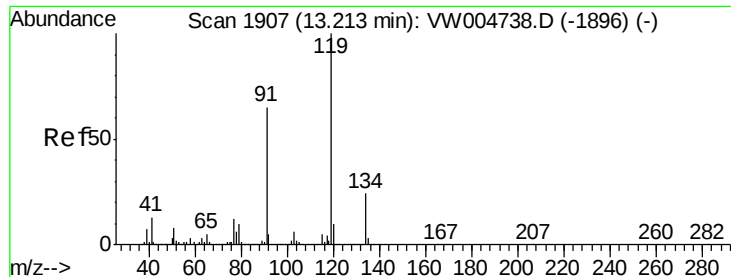
126 33.6 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

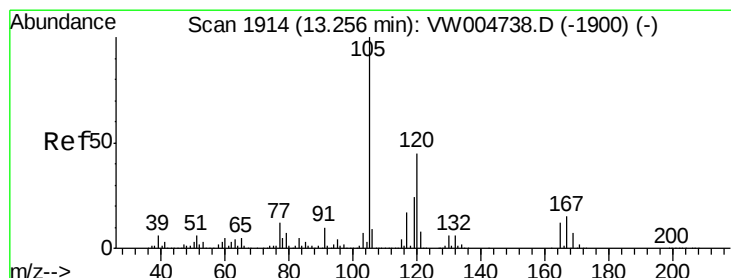
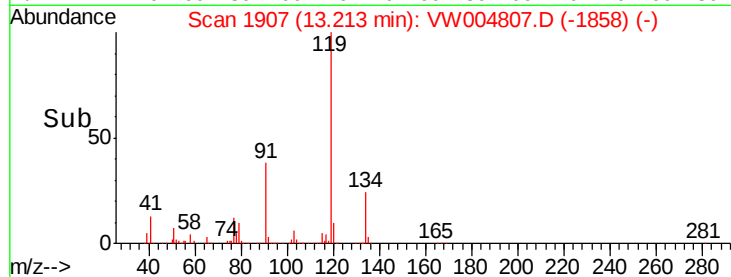
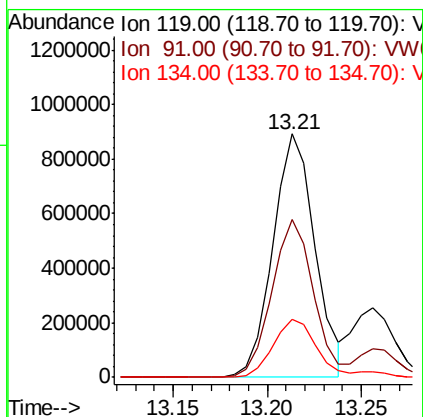
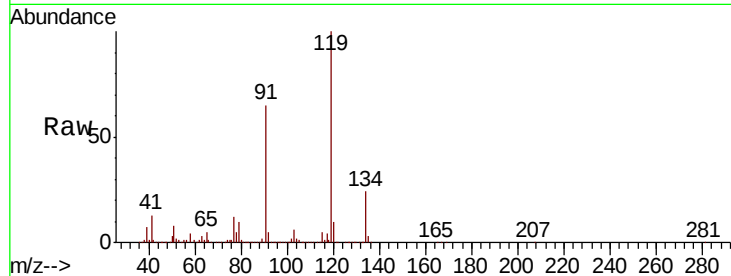




#83
tert-Butylbenzene
Concen: 58.180 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

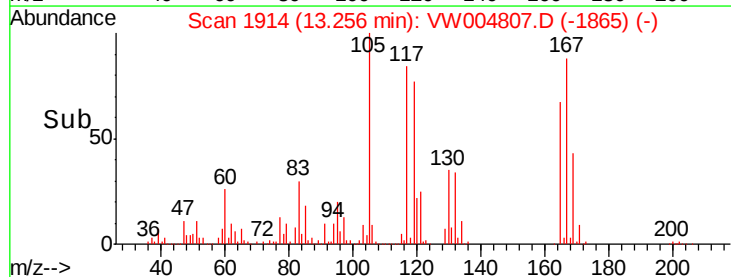
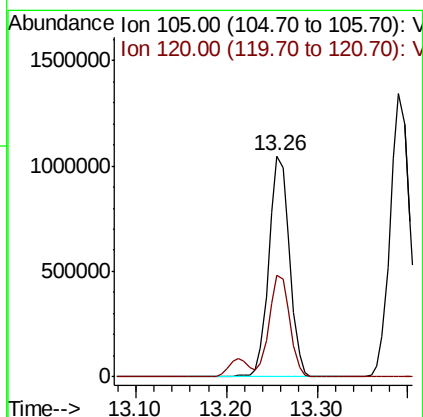
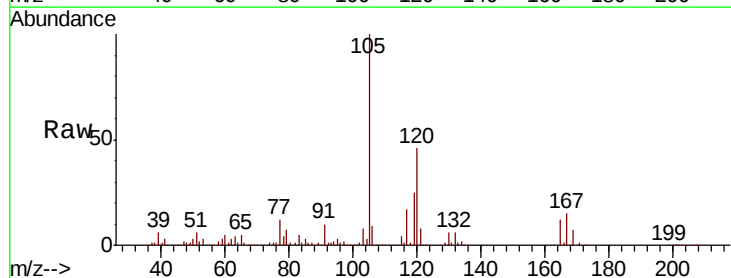
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

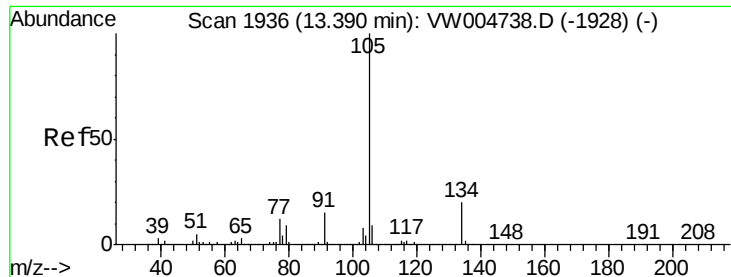
Tgt Ion:119 Resp: 1378899
Ion Ratio Lower Upper
119 100
91 64.8 32.6 97.8
134 26.0 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 57.731 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

Tgt Ion:105 Resp: 1645815
Ion Ratio Lower Upper
105 100
120 45.5 22.8 68.3

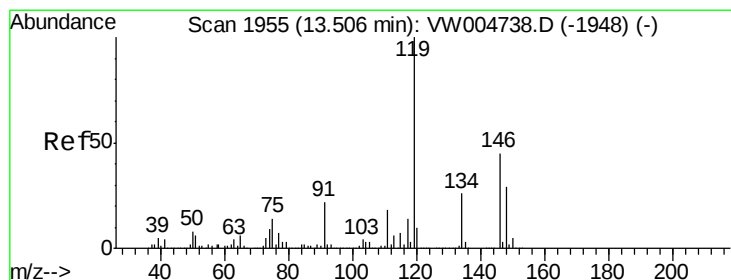
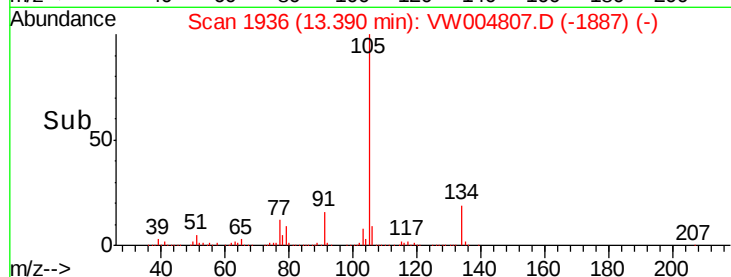
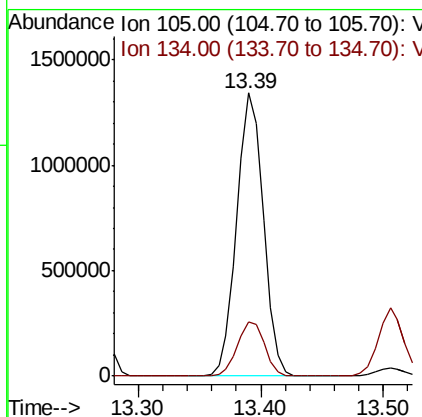
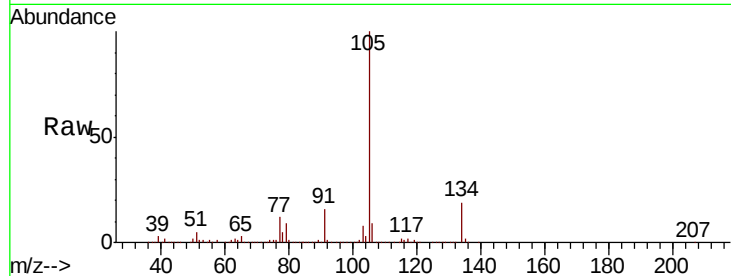




#85
 sec-Butylbenzene
 Concen: 57.111 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004807.D
 Acq: 20 Aug 2018 23:28

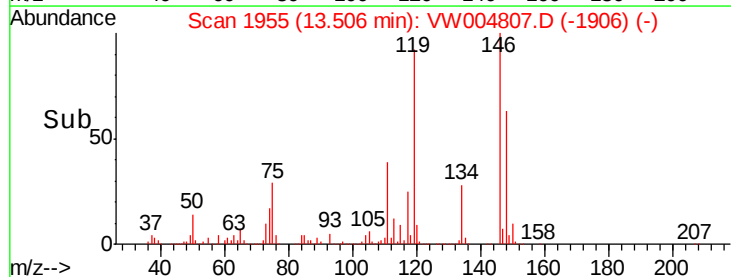
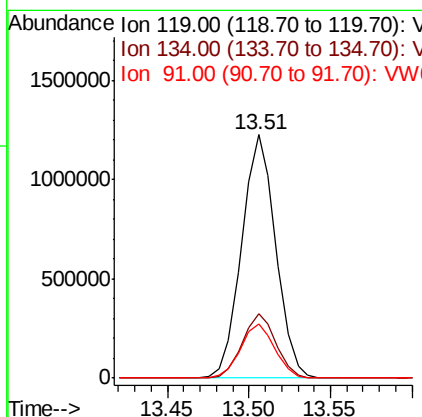
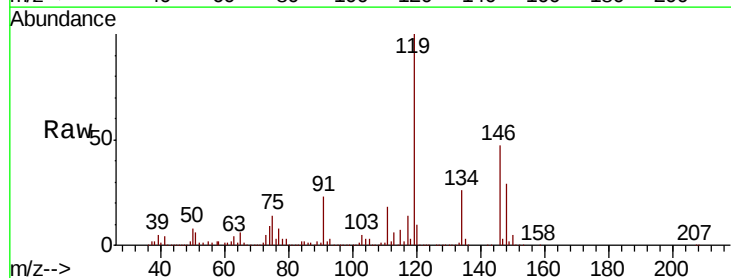
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

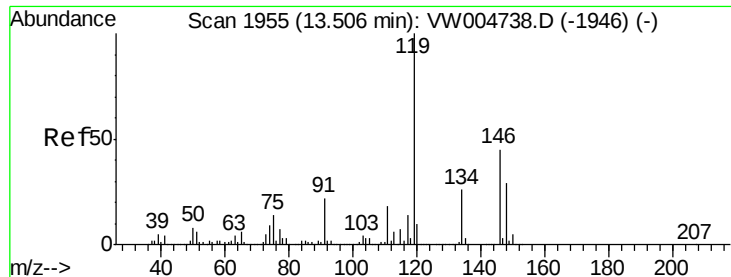
Tgt Ion:105 Resp: 2020858
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 57.776 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004807.D
 Acq: 20 Aug 2018 23:28

Tgt Ion:119 Resp: 1778830
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.1 39.3
 91 22.4 11.2 33.5

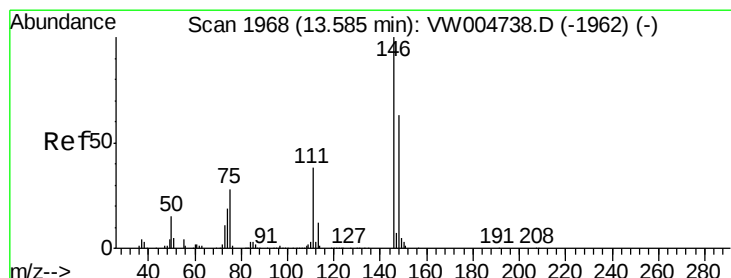
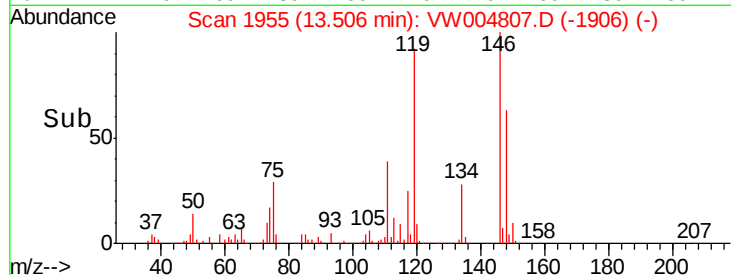
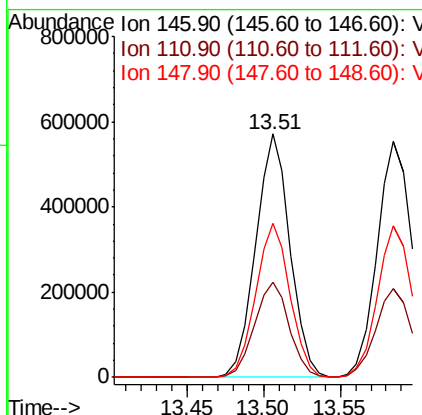
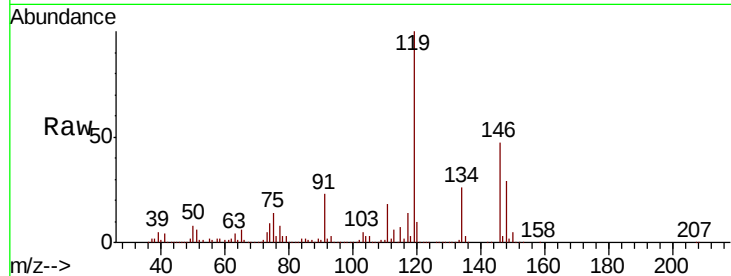




#87
 1,3-Dichlorobenzene
 Concen: 55.292 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004807.D
 Acq: 20 Aug 2018 23:28

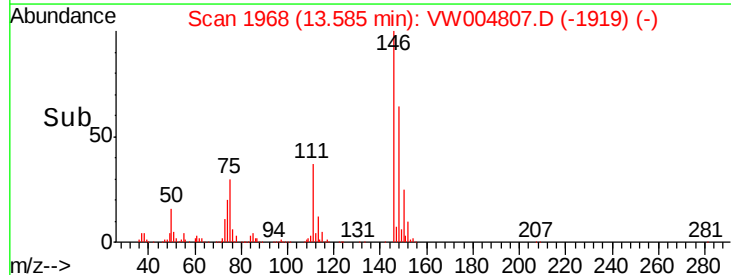
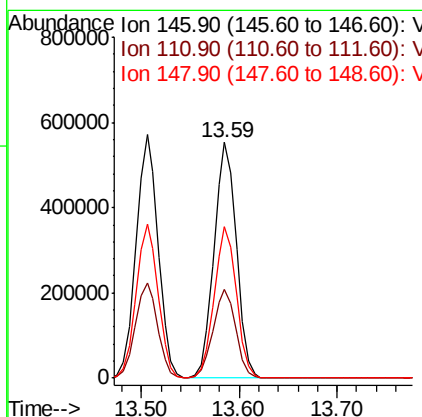
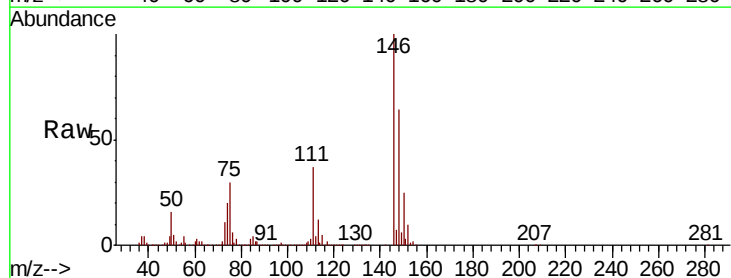
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

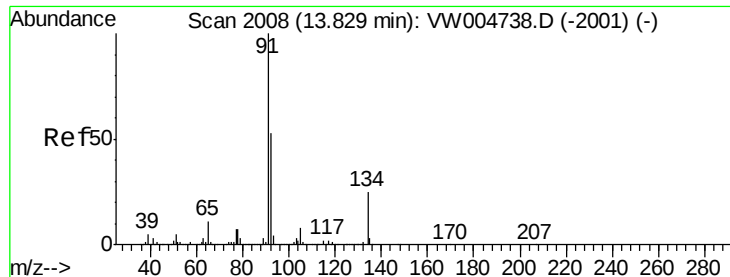
Tgt Ion:146 Resp: 887886
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.8 59.4
 148 63.3 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 54.506 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004807.D
 Acq: 20 Aug 2018 23:28

Tgt Ion:146 Resp: 874920
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.3 57.8
 148 63.5 31.8 95.3





#89

n-Butylbenzene

Concen: 56.873 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VW004807.D

Acq: 20 Aug 2018 23:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

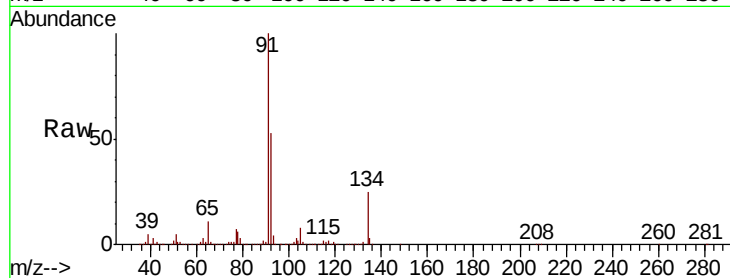
Tgt Ion: 91 Resp: 1692992

Ion Ratio Lower Upper

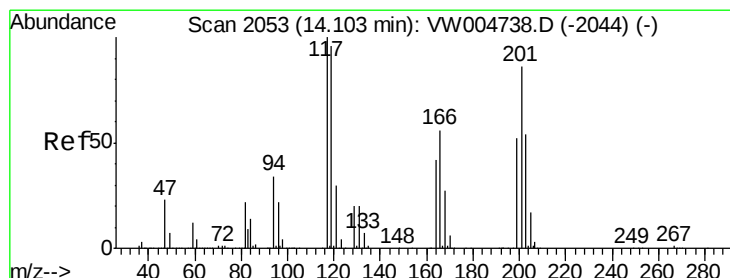
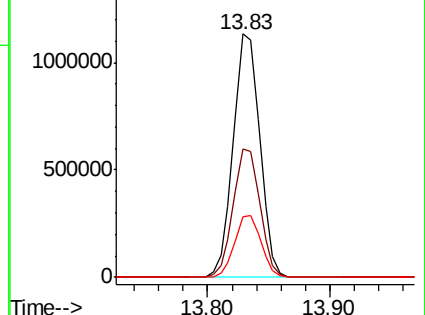
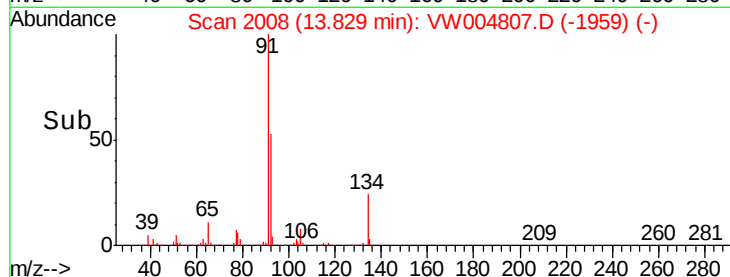
91 100

92 53.0 26.4 79.2

134 25.5 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 55.224 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW004807.D

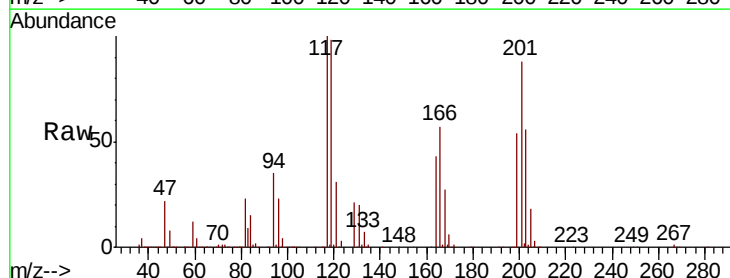
Acq: 20 Aug 2018 23:28

Tgt Ion: 117 Resp: 309918

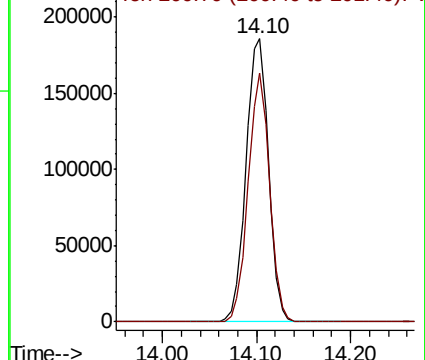
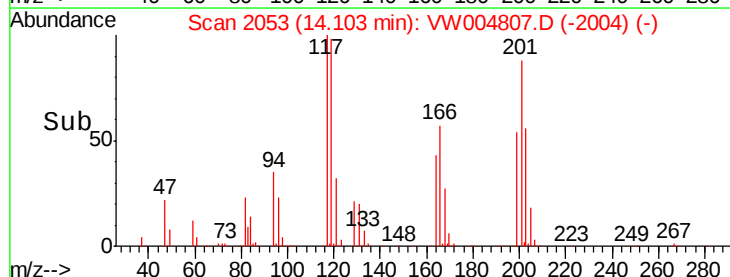
Ion Ratio Lower Upper

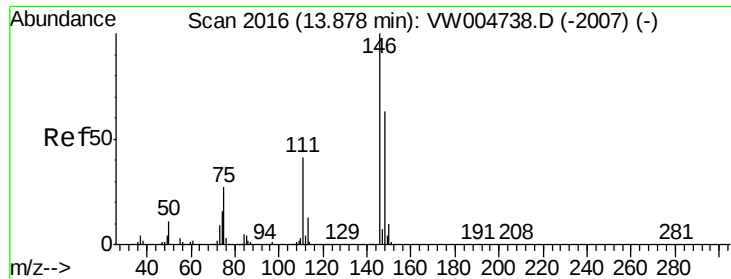
117 100

201 83.7 42.4 127.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

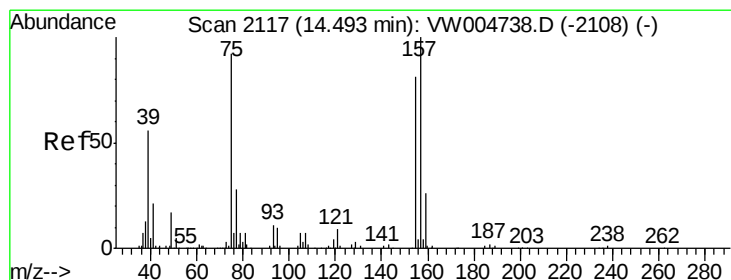
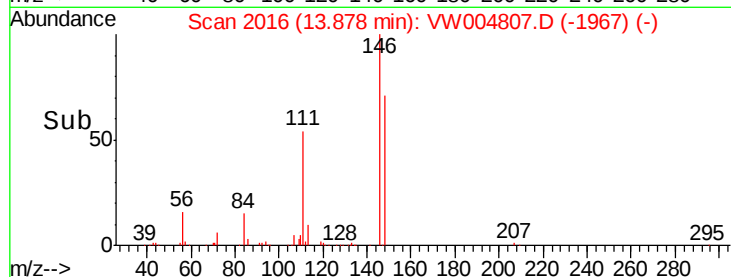
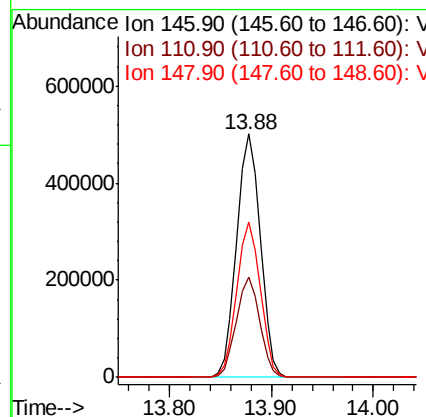
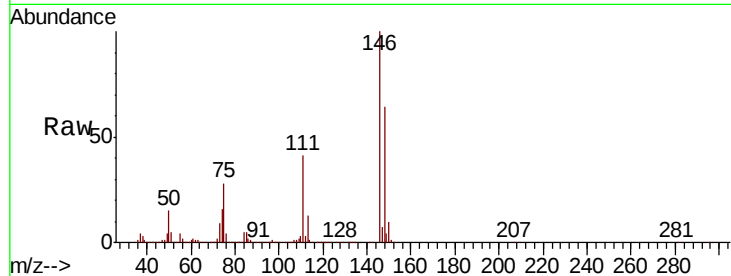




#91
 1,2-Dichlorobenzene
 Concen: 55.721 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004807.D
 Acq: 20 Aug 2018 23:28

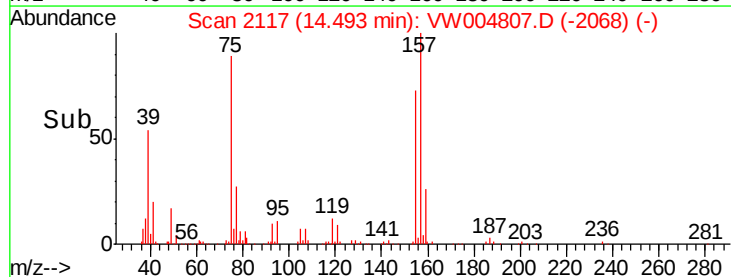
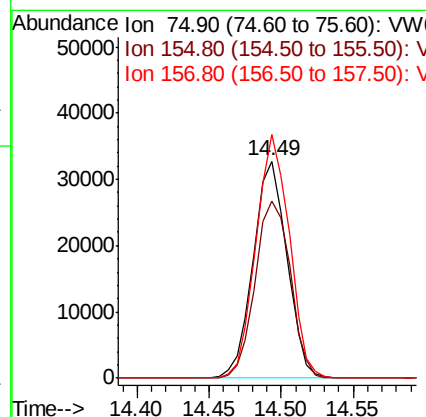
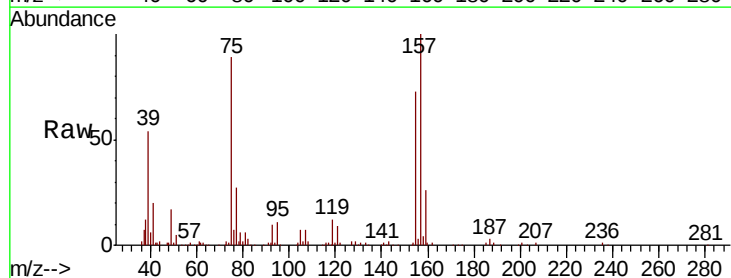
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

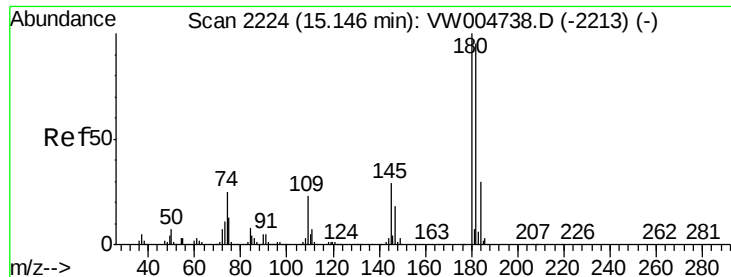
Tgt Ion: 146 Resp: 803685
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.4 61.3
 148 63.3 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.318 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004807.D
 Acq: 20 Aug 2018 23:28

Tgt Ion: 75 Resp: 53180
 Ion Ratio Lower Upper
 75 100
 155 84.8 43.3 129.9
 157 110.3 54.5 163.6

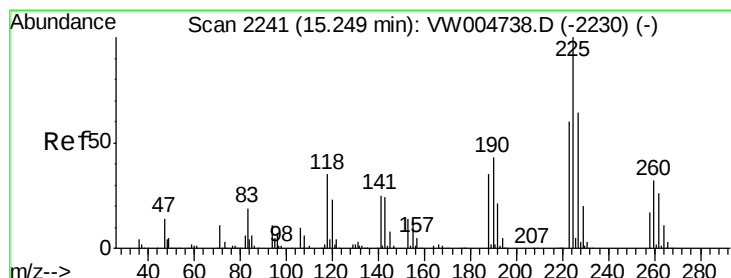
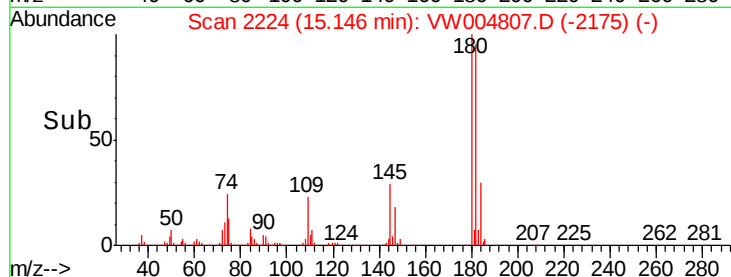
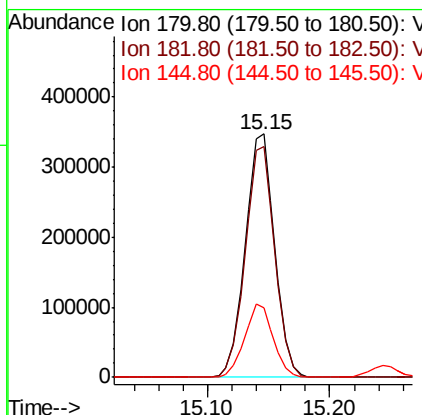
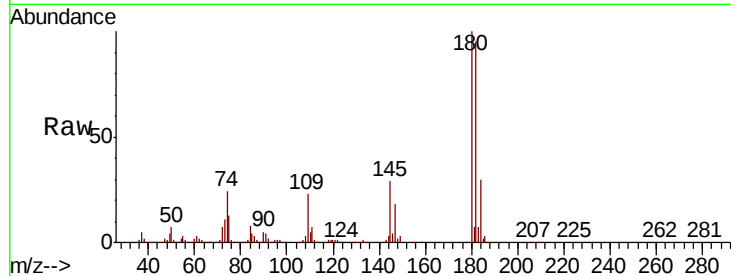




#93
 1,2,4-Trichlorobenzene
 Concen: 56.698 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004807.D
 Acq: 20 Aug 2018 23:28

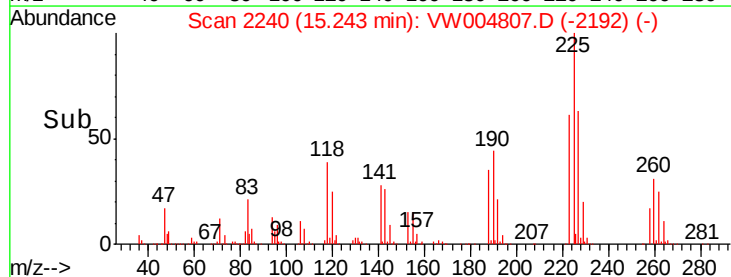
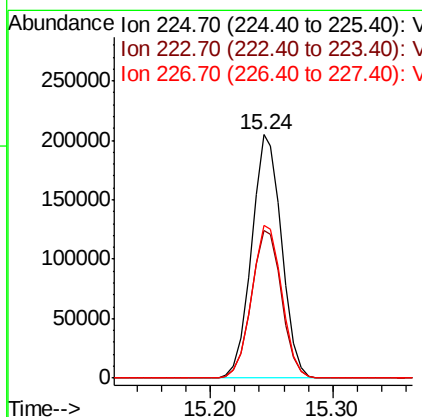
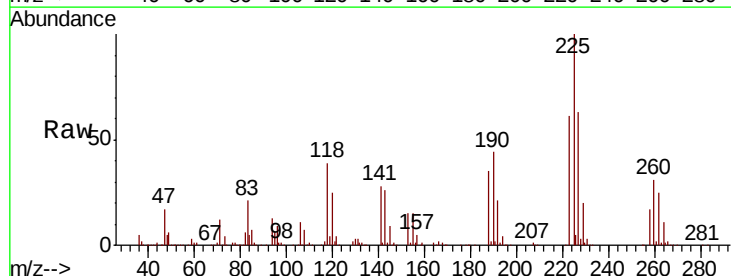
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

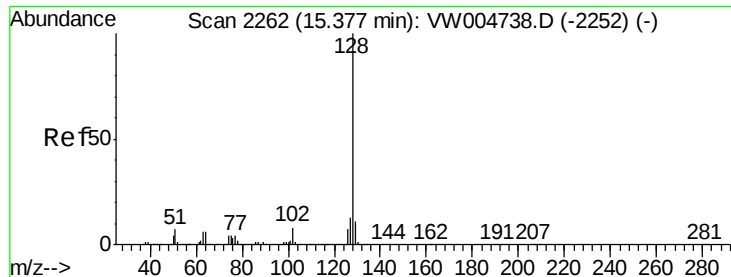
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.3	141.8
145	29.3	14.6	43.8



#94
 Hexachlorobutadiene
 Concen: 55.624 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW004807.D
 Acq: 20 Aug 2018 23:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	30.9	92.5
227	63.1	32.0	96.0

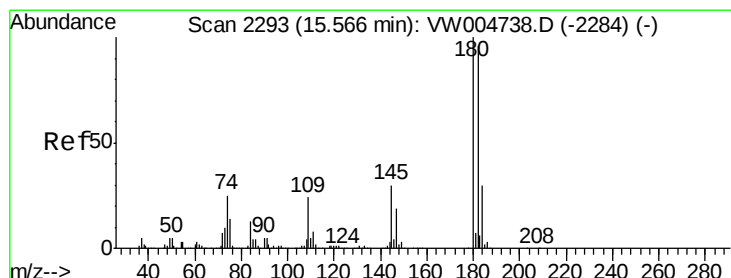
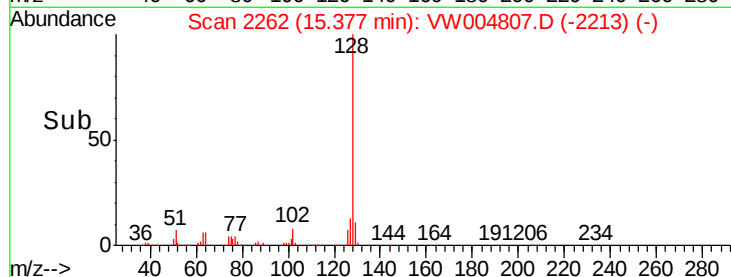
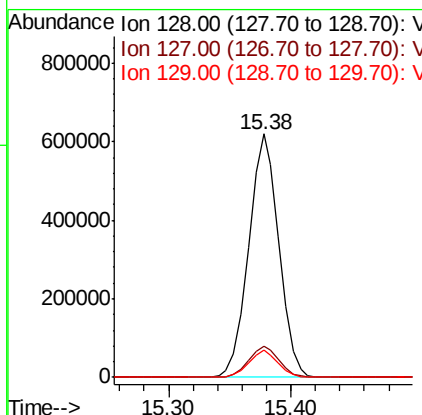
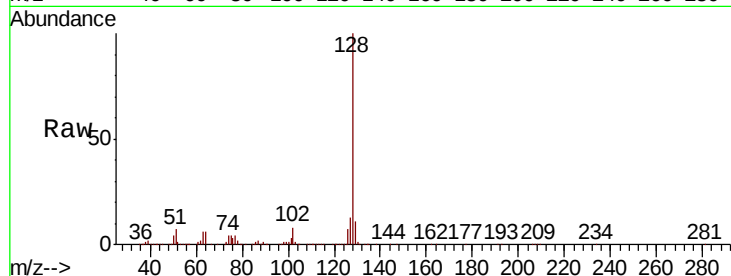




#95
Naphthalene
Concen: 53.285 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 1058128
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 57.007 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004807.D
Acq: 20 Aug 2018 23:28

Tgt Ion:180 Resp: 515709
Ion Ratio Lower Upper
180 100
182 96.2 47.3 142.0
145 31.2 15.4 46.1

