

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072618\
 Data File : VW004200.D
 Acq On : 25 Jul 2018 17:37
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 26 05:10:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	262775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	394261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	369314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	196626	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	150775	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
35) Dibromofluoromethane	7.88	113	136630	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	
50) Toluene-d8	10.33	98	537523	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	
62) 4-Bromofluorobenzene	12.62	95	191076	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.00	85	56828	38.510	ug/l 99
3) Chloromethane	2.21	50	93902	48.345	ug/l 98
4) Vinyl Chloride	2.36	62	123522	46.234	ug/l 99
5) Bromomethane	2.77	94	75178	45.021	ug/l 99
6) Chloroethane	2.92	64	70560	46.484	ug/l 98
7) Trichlorofluoromethane	3.25	101	55414	49.405	ug/l 94
8) Diethyl Ether	3.67	74	60414	46.403	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	139760	53.999	ug/l 99
10) Methyl Iodide	4.26	142	193750	52.122	ug/l 100
11) Tert butyl alcohol	5.18	59	49778	245.490	ug/l 100
12) 1,1-Dichloroethene	4.03	96	136878	53.598	ug/l 96
13) Acrolein	3.89	56	57540	276.177	ug/l 99
14) Allyl chloride	4.65	41	232064	55.053	ug/l 98
15) Acrylonitrile	5.36	53	179354	268.841	ug/l 99
16) Acetone	4.12	43	197766	280.189	ug/l 99
17) Carbon Disulfide	4.37	76	423845	53.173	ug/l 100
18) Methyl Acetate	4.67	43	94418	55.727	ug/l 98
19) Methyl tert-butyl Ether	5.42	73	251065	51.297	ug/l 99
20) Methylene Chloride	4.90	84	147798	46.948	ug/l 96
21) trans-1,2-Dichloroethene	5.42	96	150199	53.655	ug/l 96
22) Diisopropyl ether	6.31	45	478871	56.211	ug/l 98
23) Vinyl Acetate	6.25	43	1447982	268.249	ug/l 99
24) 1,1-Dichloroethane	6.21	63	281690	54.190	ug/l 98
25) 2-Butanone	7.17	43	252424	265.753	ug/l 99
26) 2,2-Dichloropropane	7.17	77	157160	52.670	ug/l 99
27) cis-1,2-Dichloroethene	7.17	96	158041	52.226	ug/l 100
28) Bromochloromethane	7.51	49	105123	49.416	ug/l 99
29) Tetrahydrofuran	7.53	42	156379	264.307	ug/l 98
30) Chloroform	7.67	83	278042	53.774	ug/l 99
31) Cyclohexane	7.95	56	250903	51.491	ug/l 97
32) 1,1,1-Trichloroethane	7.87	97	216316	53.575	ug/l 100
36) 1,1-Dichloropropene	8.08	75	226369	55.806	ug/l 99
37) Ethyl Acetate	7.26	43	105211	53.774	ug/l 100
38) Carbon Tetrachloride	8.07	117	208405	54.985	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	265056	55.794	ug/l	98
40) Benzene	8.32	78	633670	56.307	ug/l	100
41) Methacrylonitrile	7.49	41	58067	53.562	ug/l	96
42) 1,2-Dichloroethane	8.40	62	186933	54.446	ug/l	99
43) Isopropyl Acetate	8.43	43	194048	53.027	ug/l	99
44) Trichloroethene	9.09	130	160671	55.078	ug/l	95
45) 1,2-Dichloropropane	9.37	63	163571	56.947	ug/l	97
46) Dibromomethane	9.46	93	81973	54.998	ug/l	100
47) Bromodichloromethane	9.65	83	205777	56.004	ug/l	100
48) Methyl methacrylate	9.44	41	96871	54.737	ug/l	98
49) 1,4-Dioxane	9.45	88	26870	1172.810	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	534729	274.277	ug/l	99
52) Toluene	10.39	92	393638	56.565	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	211642	55.082	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	244929	55.723	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	116462	55.558	ug/l	99
56) Ethyl methacrylate	10.65	69	151059	50.358	ug/l	99
57) 1,3-Dichloropropane	10.93	76	204424	56.130	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	335569	269.845	ug/l	99
59) 2-Hexanone	10.98	43	387865	282.268	ug/l	99
60) Dibromochloromethane	11.13	129	135753	55.609	ug/l	99
61) 1,2-Dibromoethane	11.24	107	110224	55.261	ug/l	99
64) Tetrachloroethene	10.87	164	135703	53.552	ug/l	98
65) Chlorobenzene	11.66	112	425277	54.154	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	148200	54.306	ug/l	99
67) Ethyl Benzene	11.74	91	763164	55.321	ug/l	100
68) m/p-Xylenes	11.84	106	588507	111.616	ug/l	100
69) o-Xylene	12.17	106	268880	54.975	ug/l	99
70) Styrene	12.19	104	463409	56.726	ug/l	100
71) Bromoform	12.35	173	81872	53.137	ug/l #	99
73) Isopropylbenzene	12.47	105	746785	53.749	ug/l	100
74) N-amyl acetate	12.28	43	187189	51.706	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	141321	52.594	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	190253	97.463	ug/l #	100
77) Bromobenzene	12.75	156	171254	51.511	ug/l	97
78) n-propylbenzene	12.81	91	938819	55.077	ug/l	100
79) 2-Chlorotoluene	12.90	91	520985	54.192	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	641643	54.877	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	45193	51.211	ug/l	98
82) 4-Chlorotoluene	12.99	91	550701	53.378	ug/l	100
83) tert-Butylbenzene	13.21	119	535253	54.525	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	659952	54.860	ug/l	99
85) sec-Butylbenzene	13.39	105	799603	54.897	ug/l	100
86) p-Isopropyltoluene	13.51	119	703100	55.033	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	352630	53.105	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	348189	52.285	ug/l	99
89) n-Butylbenzene	13.83	91	694644	55.309	ug/l	100
90) Hexachloroethane	14.10	117	125514	53.295	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	314633	53.182	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	24046	50.326	ug/l	98

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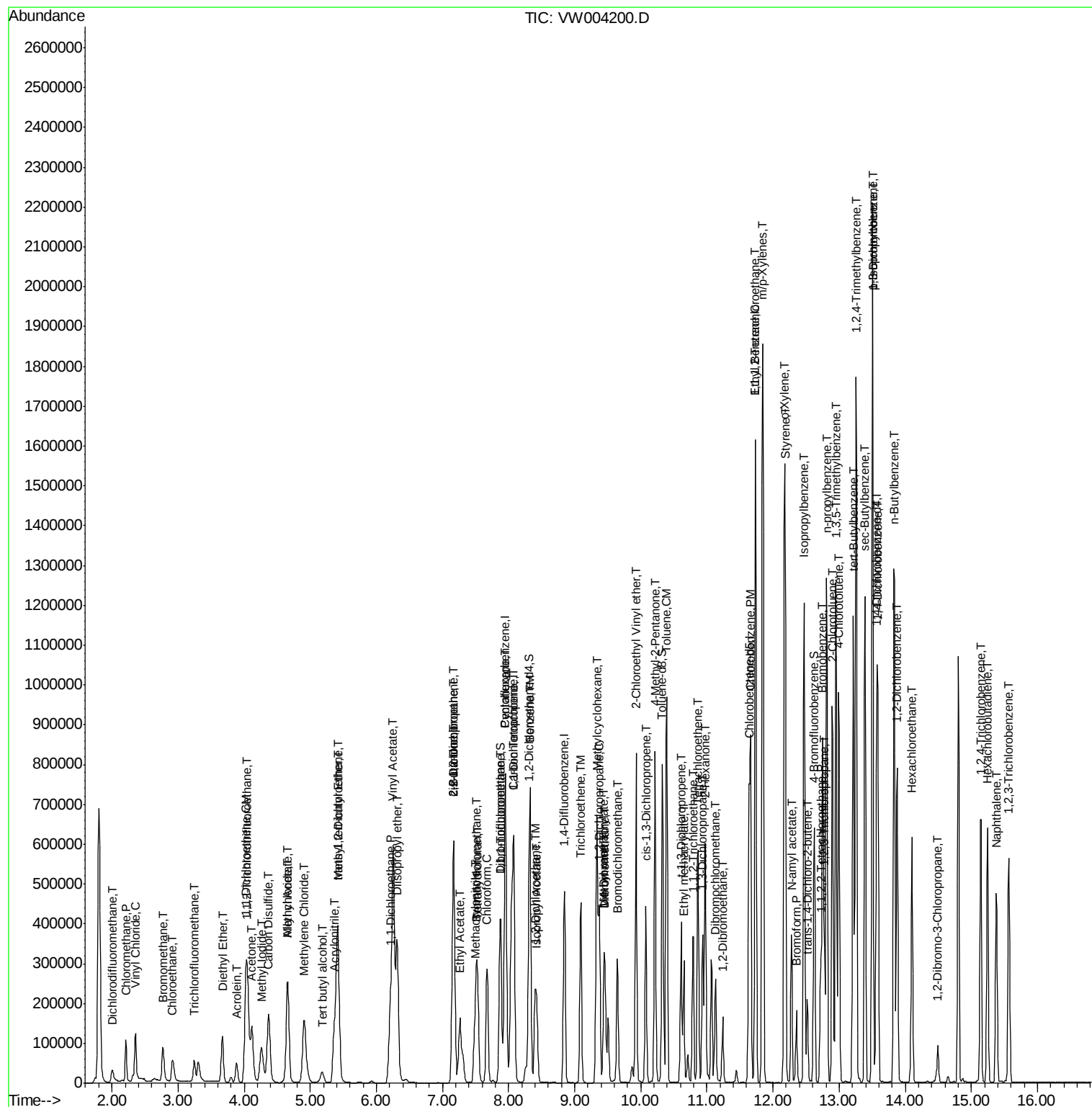
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	216836	52.186	ug/l	99
94) Hexachlorobutadiene	15.25	225	127151	53.292	ug/l	99
95) Naphthalene	15.38	128	401341	52.332	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	192581	52.350	ug/l	100

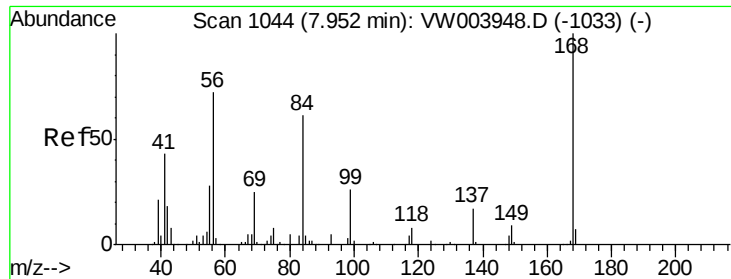
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

Instrument :

MSVOA_W

ClientSampleId :

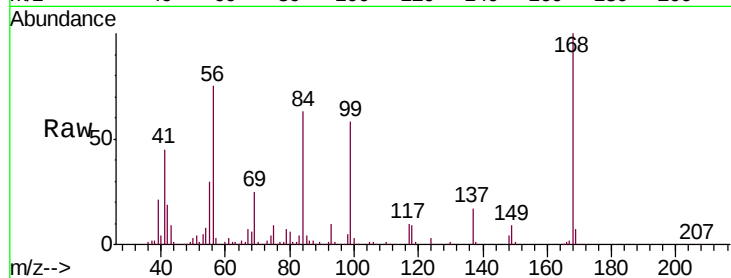
VSTDCCC050

Tgt Ion:168 Resp: 262775

Ion Ratio Lower Upper

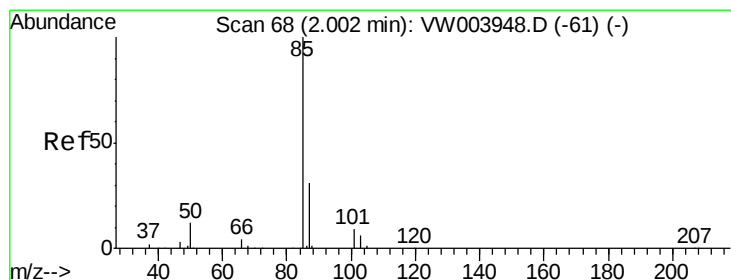
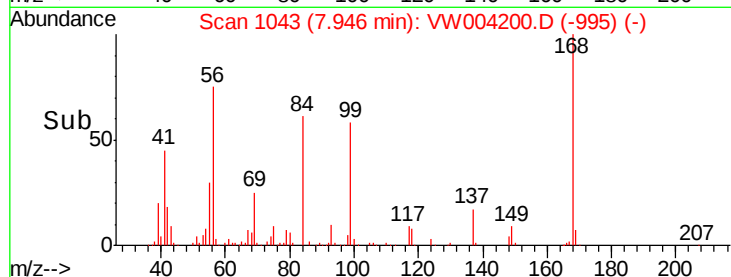
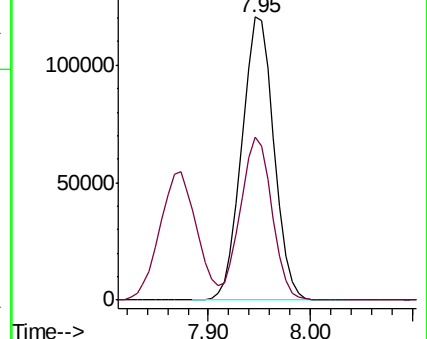
168 100

99 57.4 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 38.510 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW004200.D

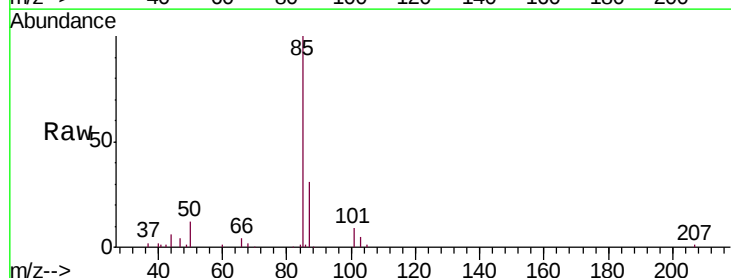
Acq: 25 Jul 2018 17:37

Tgt Ion: 85 Resp: 56828

Ion Ratio Lower Upper

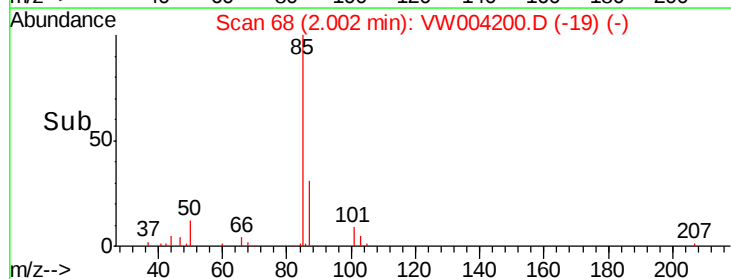
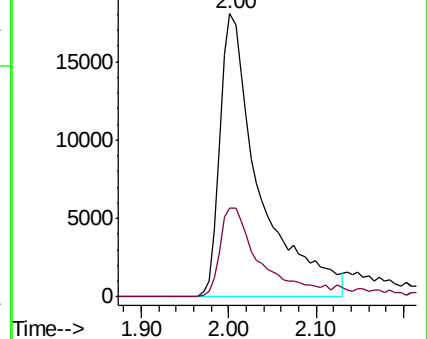
85 100

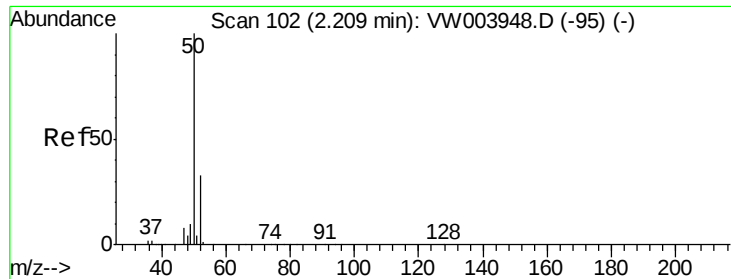
87 31.2 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 48.345 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

Instrument :

MSVOA_W

ClientSampleId :

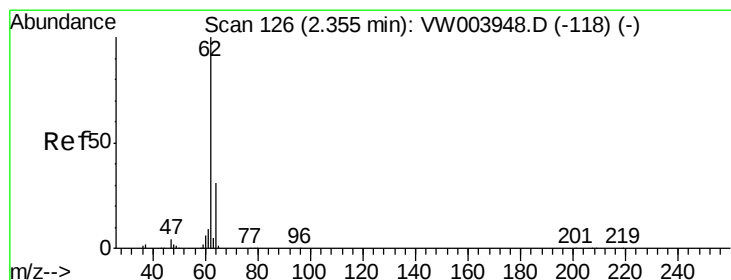
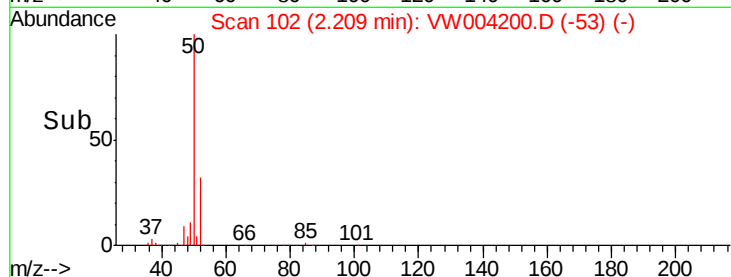
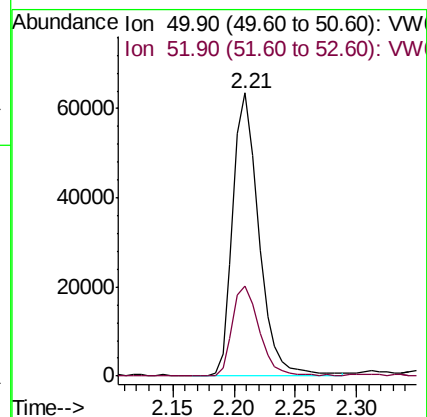
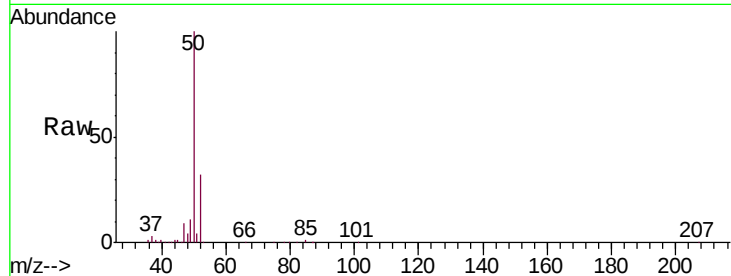
VSTDCCC050

Tgt Ion: 50 Resp: 93902

Ion Ratio Lower Upper

50 100

52 32.0 26.3 39.5



#4

Vinyl Chloride

Concen: 46.234 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW004200.D

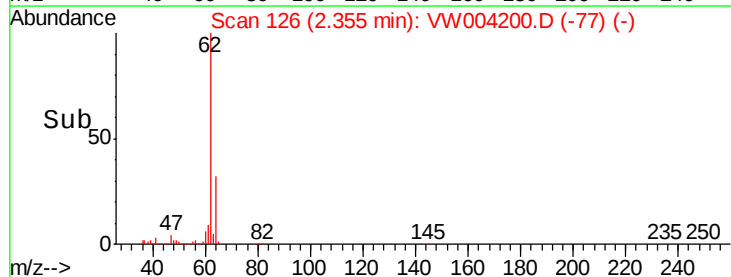
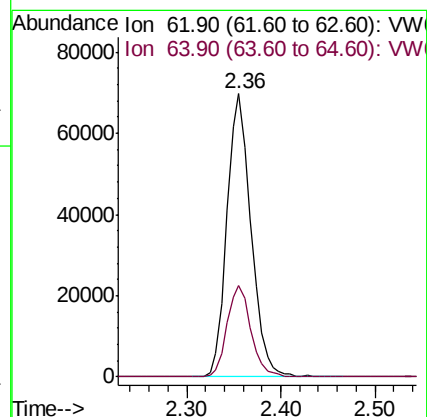
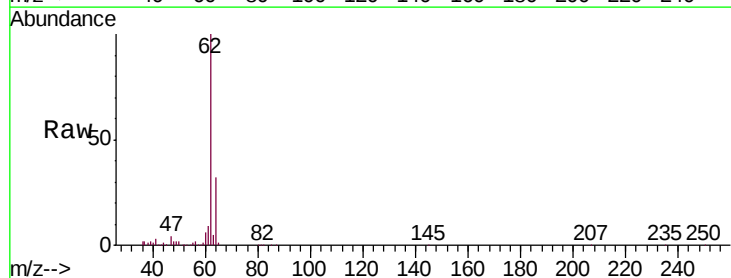
Acq: 25 Jul 2018 17:37

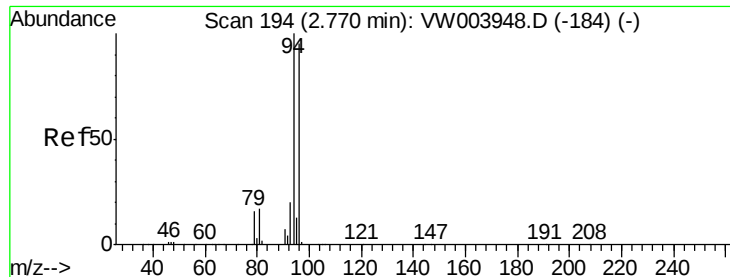
Tgt Ion: 62 Resp: 123522

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.6





#5

Bromomethane

Concen: 45.021 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.00 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

Instrument :

MSVOA_W

ClientSampleId :

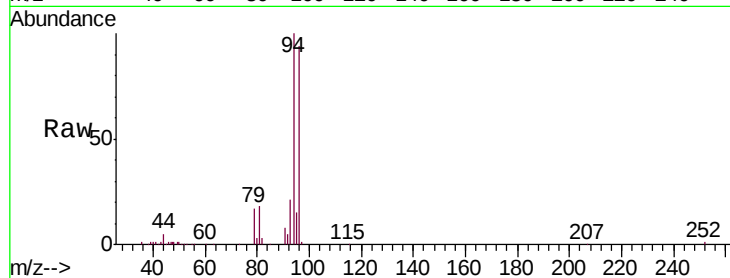
VSTDCCC050

Tgt Ion: 94 Resp: 75178

Ion Ratio Lower Upper

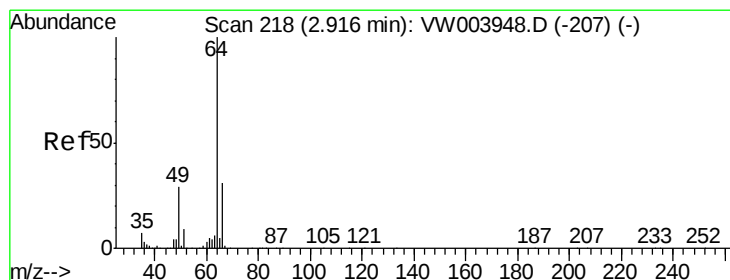
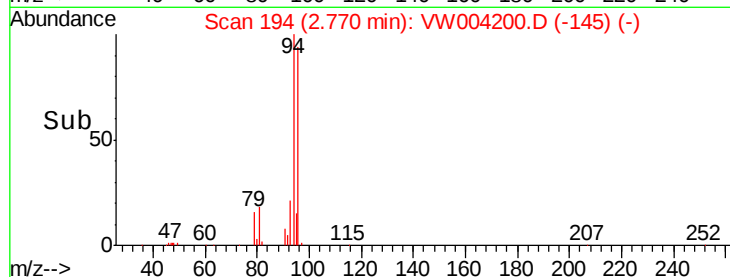
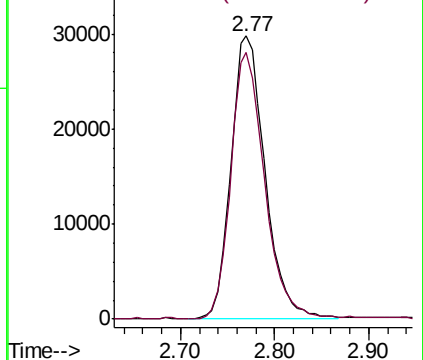
94 100

96 94.1 75.8 113.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 46.484 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.00 min

Lab File: VW004200.D

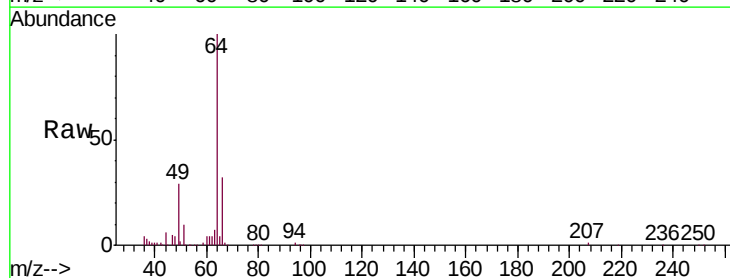
Acq: 25 Jul 2018 17:37

Tgt Ion: 64 Resp: 70560

Ion Ratio Lower Upper

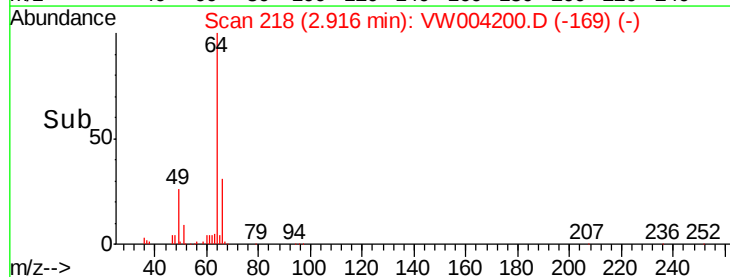
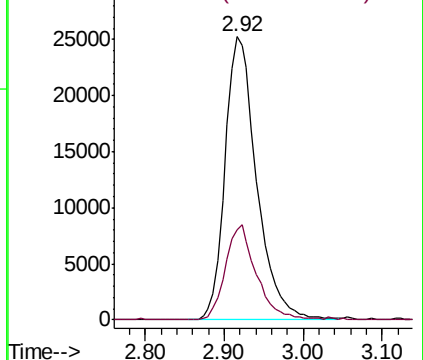
64 100

66 31.7 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



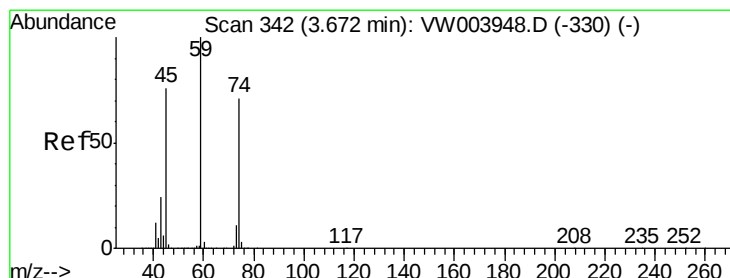
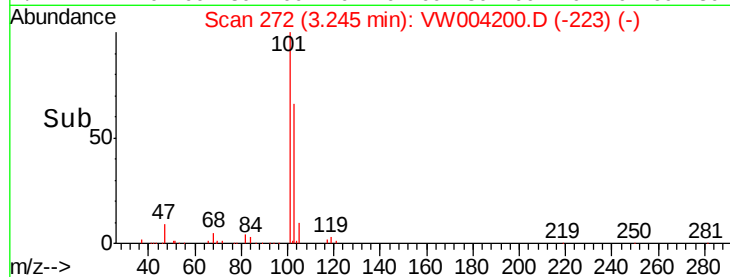
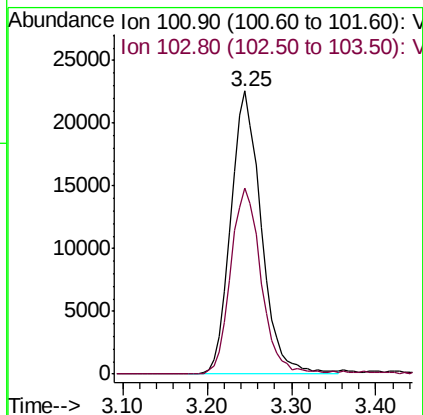
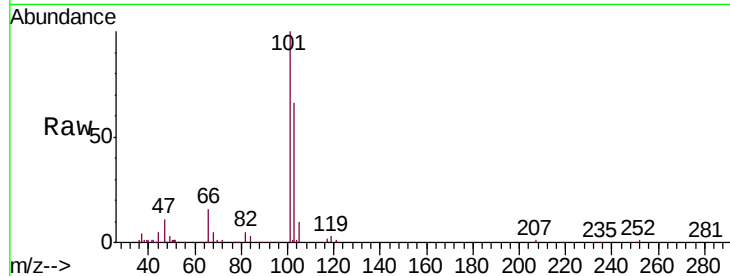


#7

Trichlorofluoromethane
 Concen: 49.405 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

Instrument :
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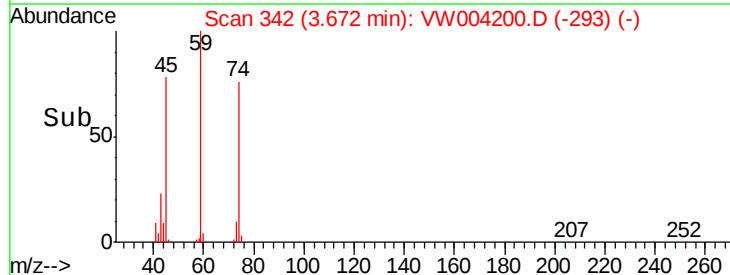
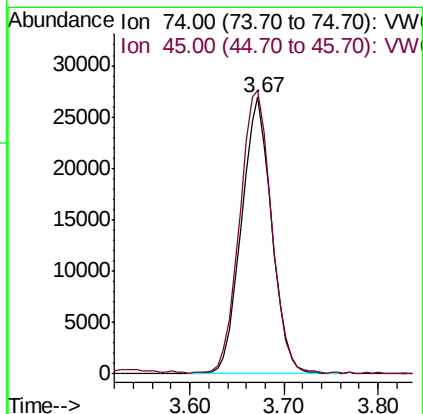
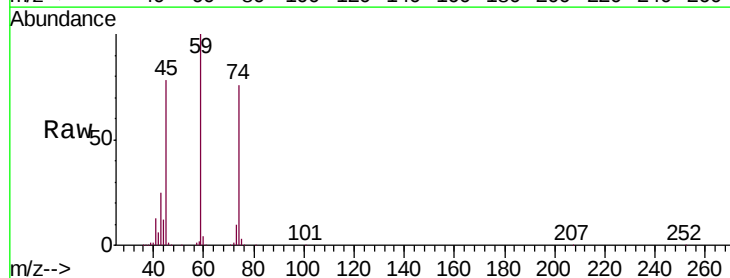
Tgt Ion:101 Resp: 55414
 Ion Ratio Lower Upper
 101 100
 103 65.9 49.0 73.6

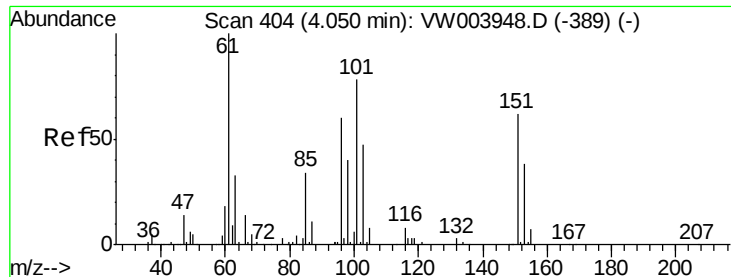


#8

Diethyl Ether
 Concen: 46.403 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

Tgt Ion: 74 Resp: 60414
 Ion Ratio Lower Upper
 74 100
 45 106.9 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.999 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

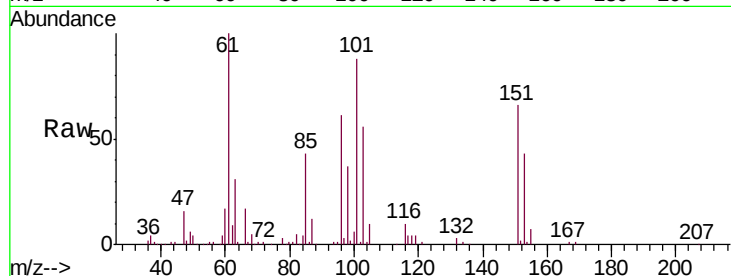
Tgt Ion:101 Resp: 139760

Ion Ratio Lower Upper

101 100

85 45.0 35.8 53.6

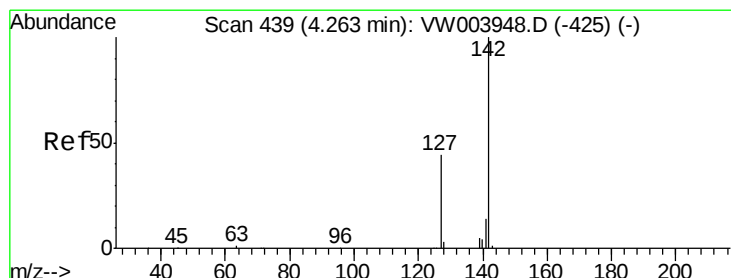
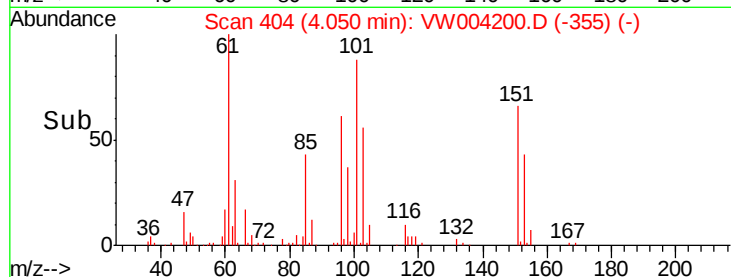
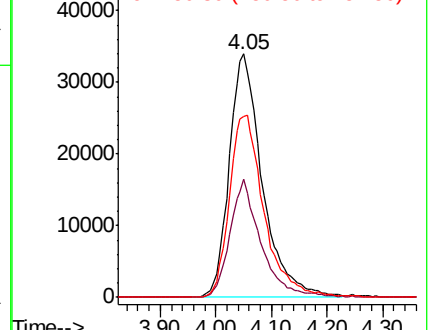
151 78.5 63.6 95.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.122 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.01 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

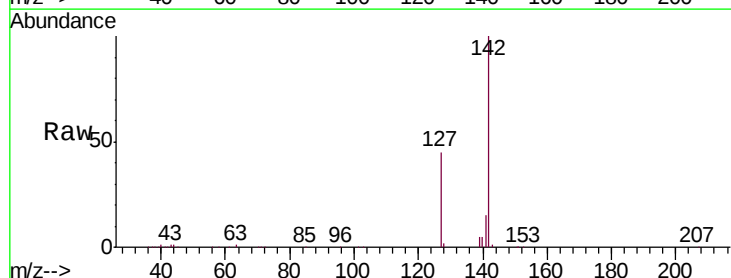
Tgt Ion:142 Resp: 193750

Ion Ratio Lower Upper

142 100

127 44.3 35.4 53.2

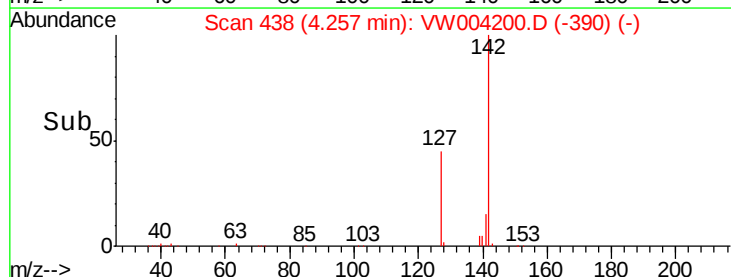
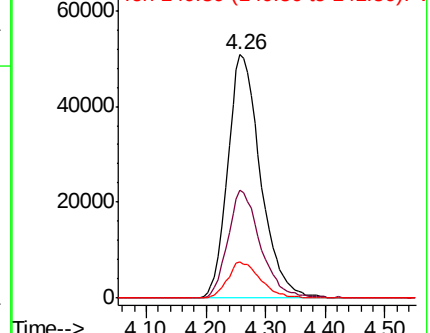
141 14.9 11.7 17.5

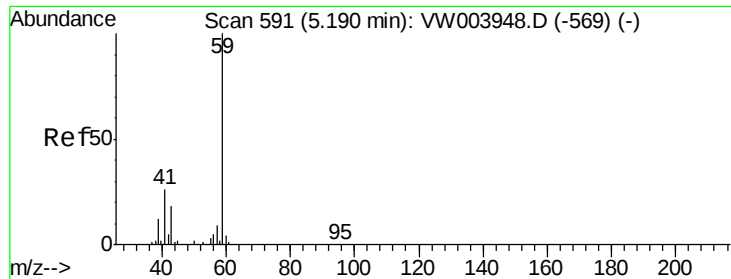


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

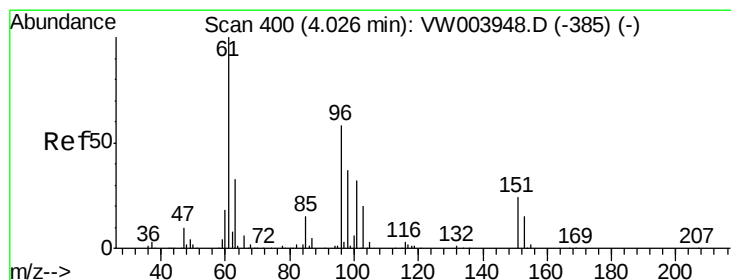
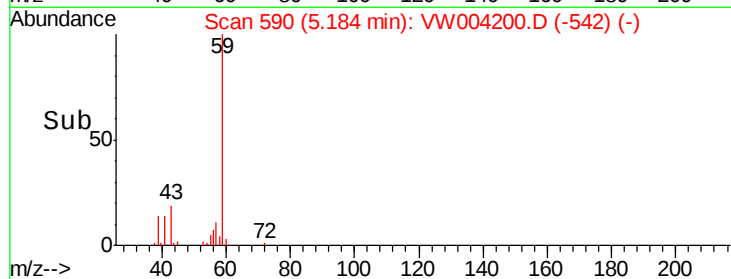
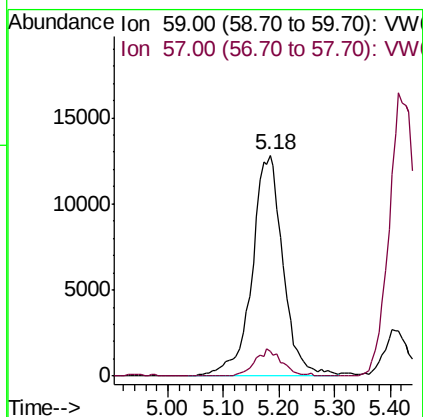
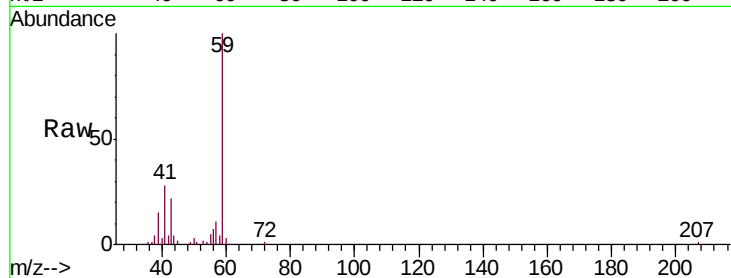




#11
Tert butyl alcohol
Concen: 245.490 ug/l
RT: 5.18 min Scan# 590
Delta R.T. -0.01 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

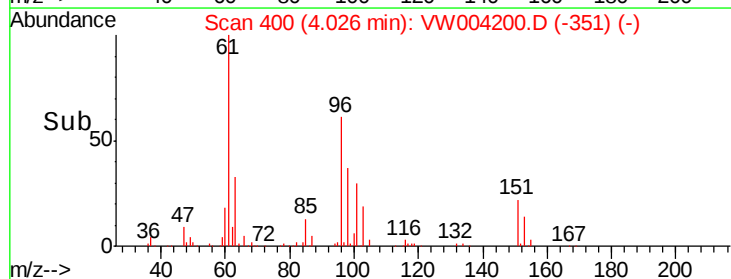
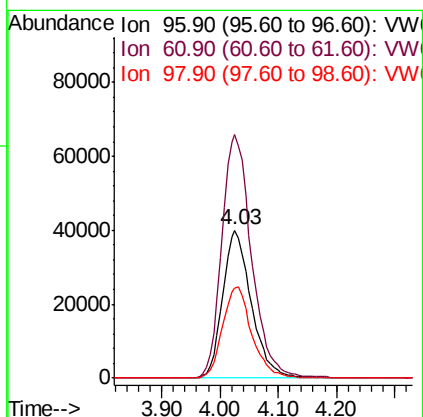
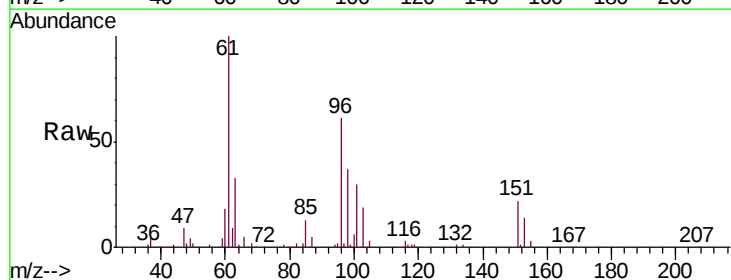
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

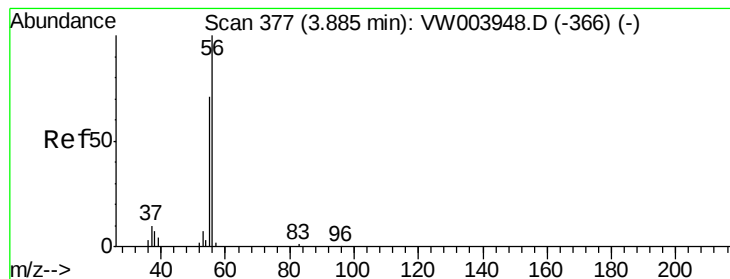
Tgt Ion: 59 Resp: 49778
Ion Ratio Lower Upper
59 100
57 10.7 8.5 12.7



#12
1,1-Dichloroethene
Concen: 53.598 ug/l
RT: 4.03 min Scan# 400
Delta R.T. -0.00 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

Tgt Ion: 96 Resp: 136878
Ion Ratio Lower Upper
96 100
61 164.4 137.0 205.6
98 61.1 50.2 75.4





#13

Acrolein

Concen: 276.177 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.00 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

Instrument :

MSVOA_W

ClientSampleId :

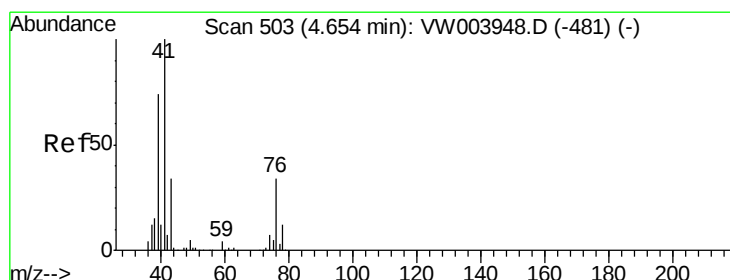
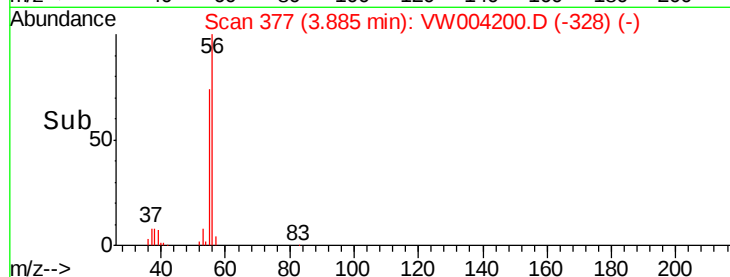
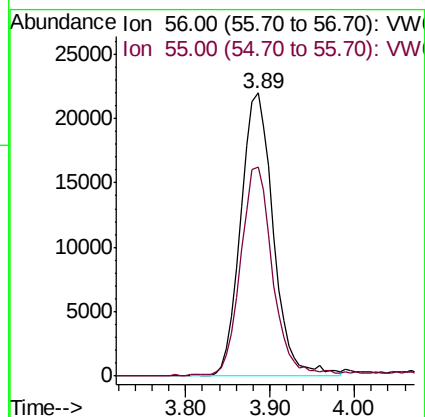
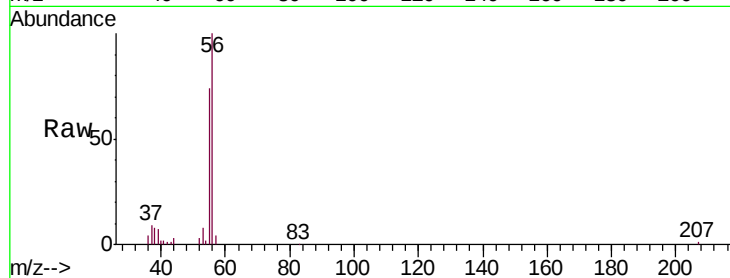
VSTDCCC050

Tgt Ion: 56 Resp: 57540

Ion Ratio Lower Upper

56 100

55 71.8 58.2 87.4



#14

Allyl chloride

Concen: 55.053 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

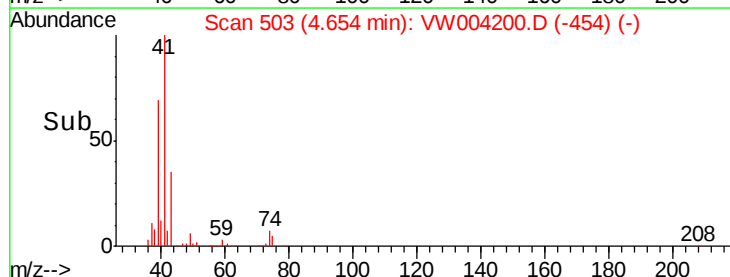
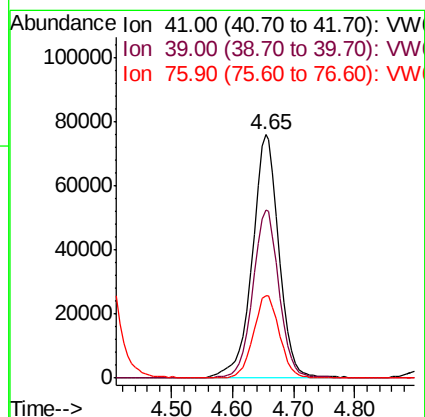
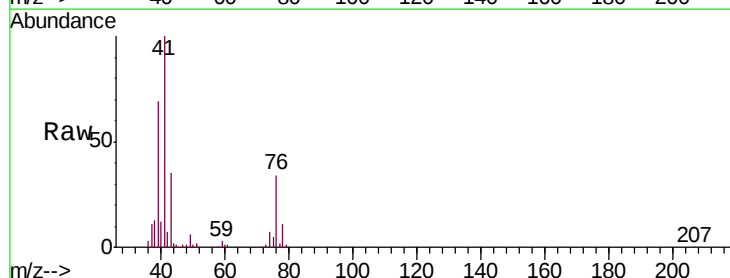
Tgt Ion: 41 Resp: 232064

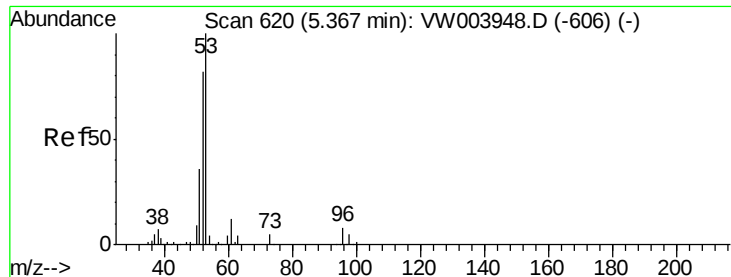
Ion Ratio Lower Upper

41 100

39 68.5 57.0 85.4

76 33.1 26.5 39.7





#15

Acrylonitrile

Concen: 268.841 ug/l

RT: 5.36 min Scan# 619

Delta R.T. -0.01 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

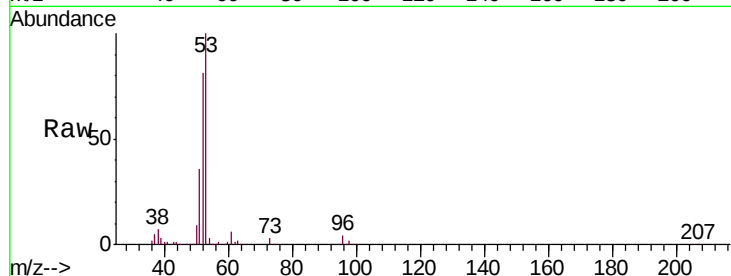
Tgt Ion: 53 Resp: 179354

Ion Ratio Lower Upper

53 100

52 81.3 66.1 99.1

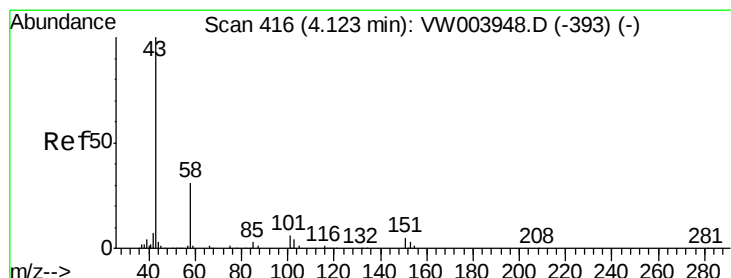
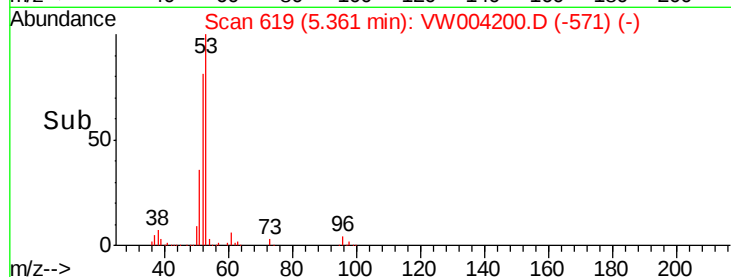
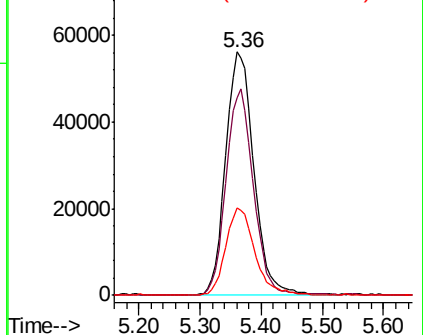
51 36.8 29.8 44.6



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: 280.189 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW004200.D

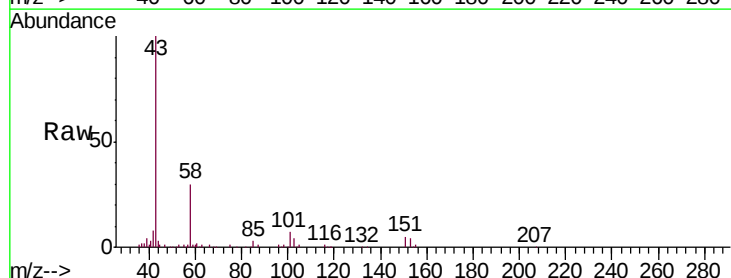
Acq: 25 Jul 2018 17:37

Tgt Ion: 43 Resp: 197766

Ion Ratio Lower Upper

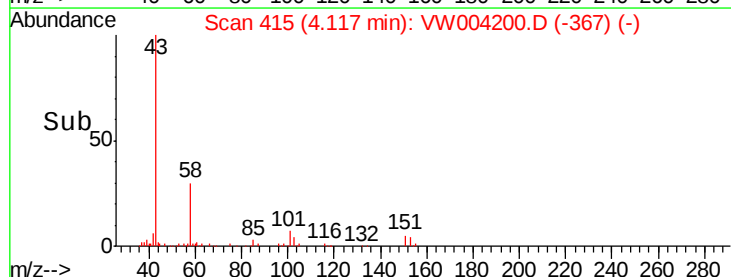
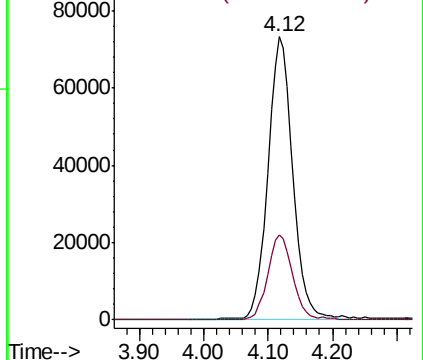
43 100

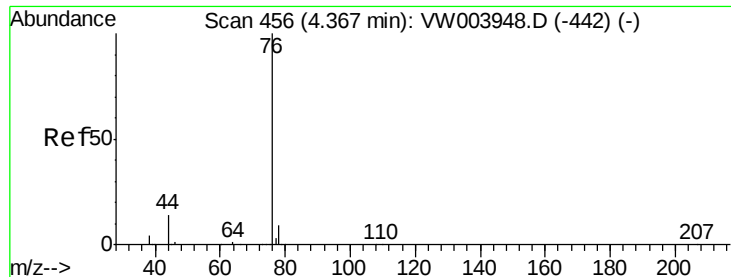
58 29.9 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

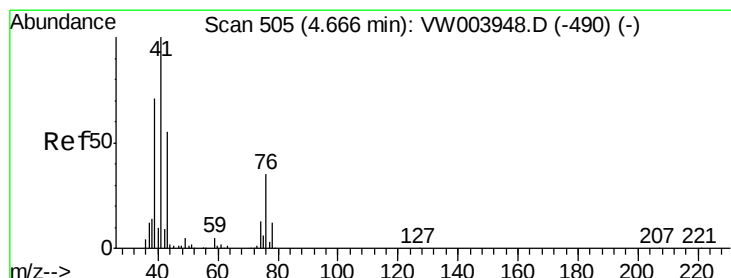
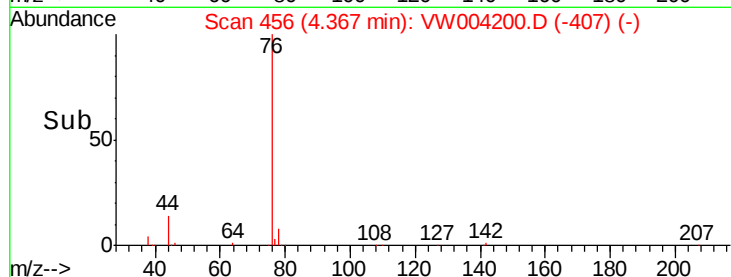
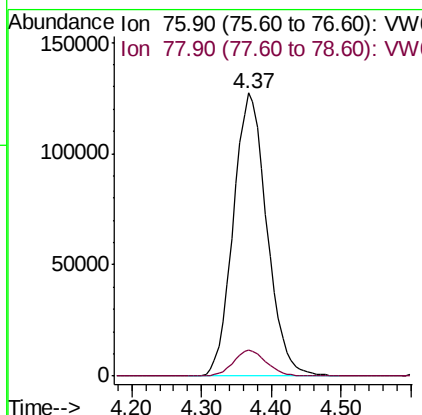
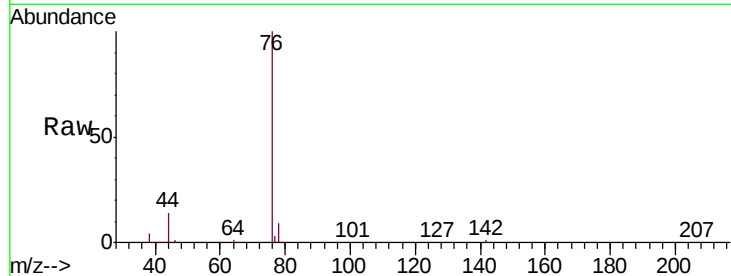




#17
Carbon Disulfide
Concen: 53.173 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

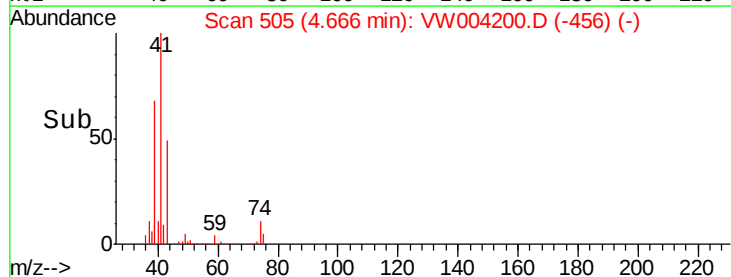
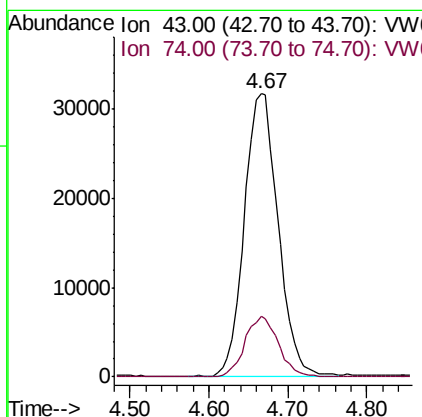
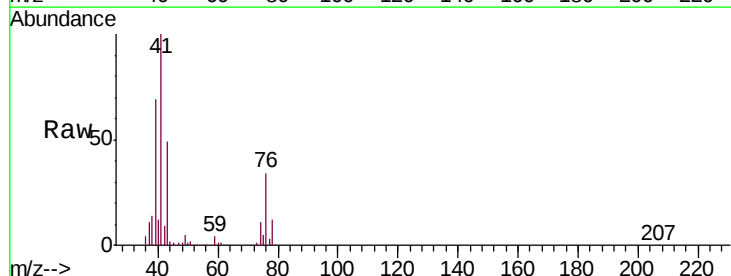
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

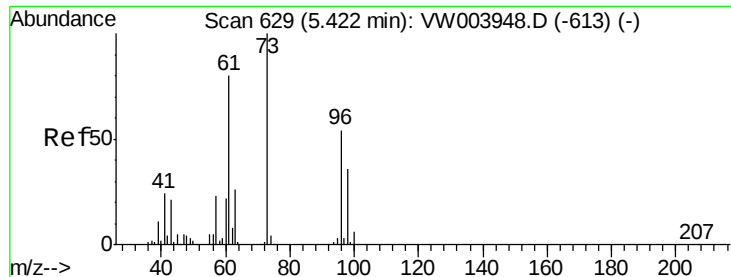
Tgt Ion: 76 Resp: 423845
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 55.727 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.00 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

Tgt Ion: 43 Resp: 94418
Ion Ratio Lower Upper
43 100
74 21.4 17.7 26.5





#19

Methyl tert-butyl Ether

Concen: 51.297 ug/l

RT: 5.42 min Scan# 629

Delta R.T. -0.00 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

Instrument :

MSVOA_W

ClientSampleId :

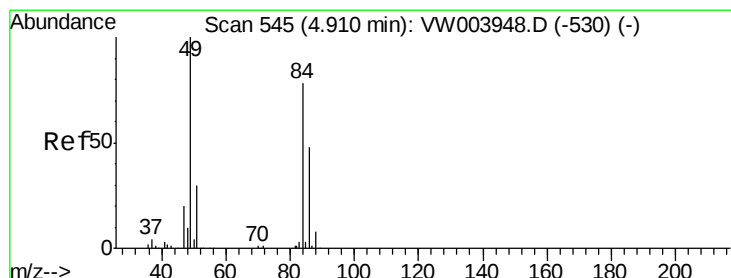
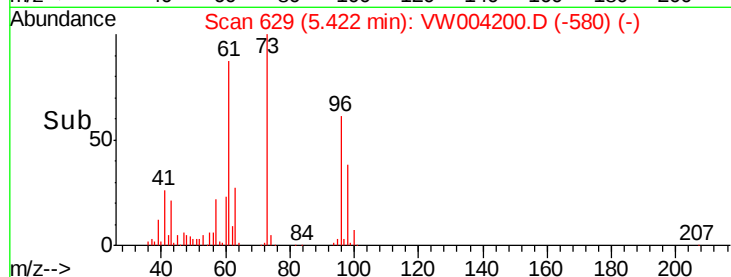
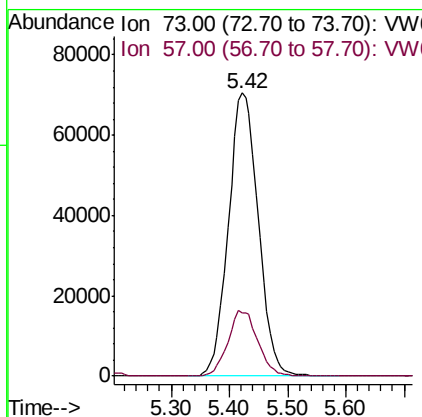
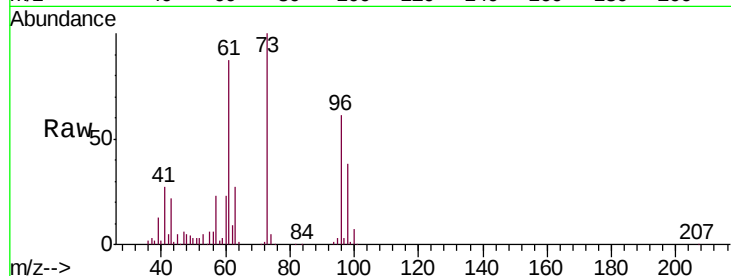
VSTDCCC050

Tgt Ion: 73 Resp: 251065

Ion Ratio Lower Upper

73 100

57 22.5 18.2 27.4



#20

Methylene Chloride

Concen: 46.948 ug/l

RT: 4.90 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

Tgt Ion: 84 Resp: 147798

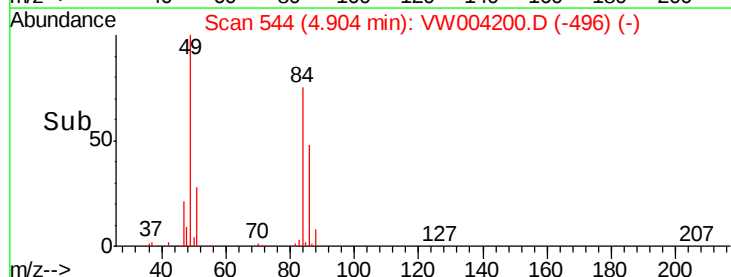
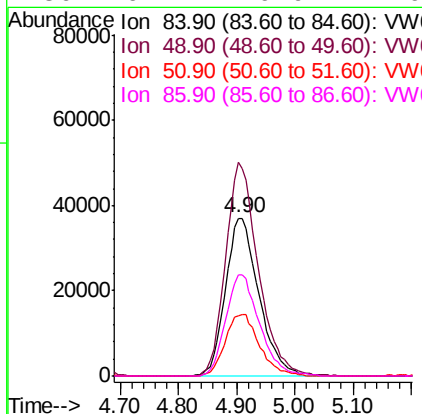
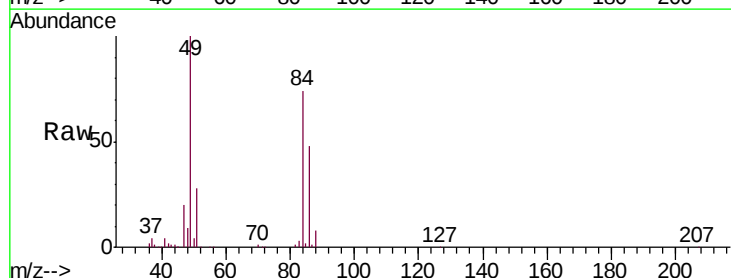
Ion Ratio Lower Upper

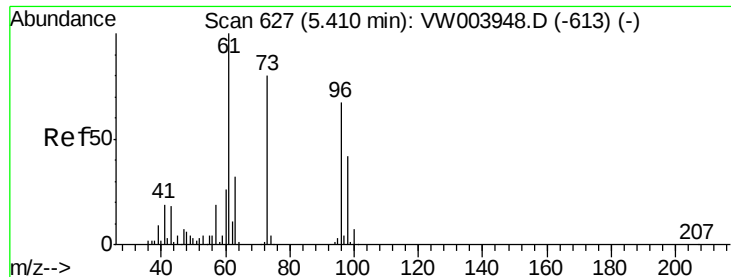
84 100

49 135.2 102.9 154.3

51 38.4 30.9 46.3

86 64.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 53.655 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.01 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

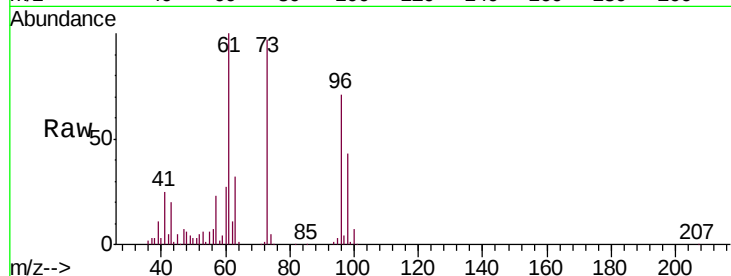
Tgt Ion: 96 Resp: 150199

Ion Ratio Lower Upper

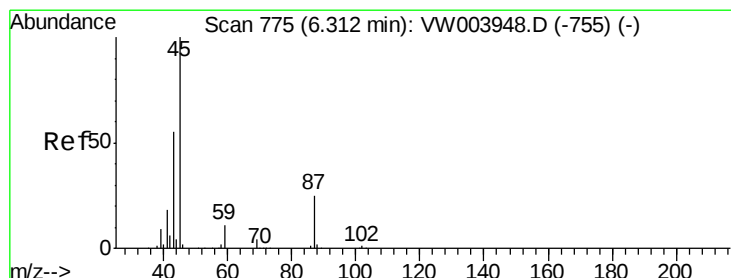
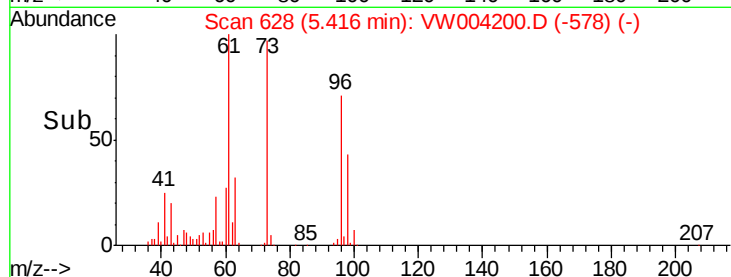
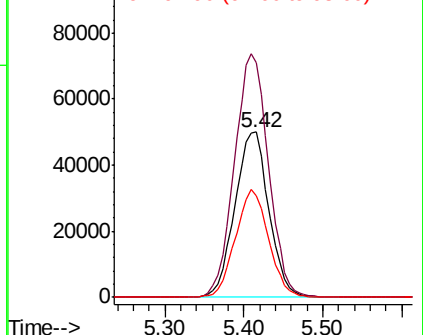
96 100

61 141.7 119.0 178.4

98 61.4 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VW
100000
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 56.211 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

Tgt Ion: 45 Resp: 478871

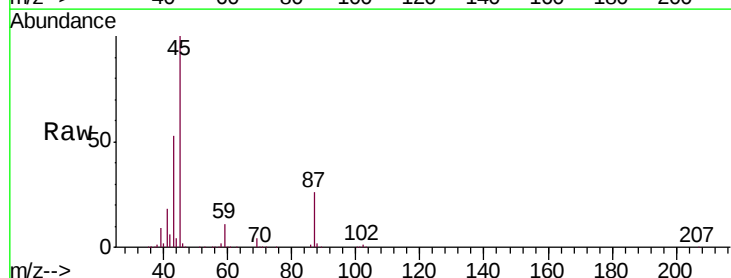
Ion Ratio Lower Upper

45 100

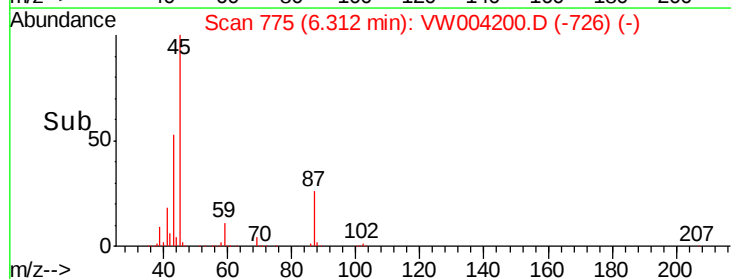
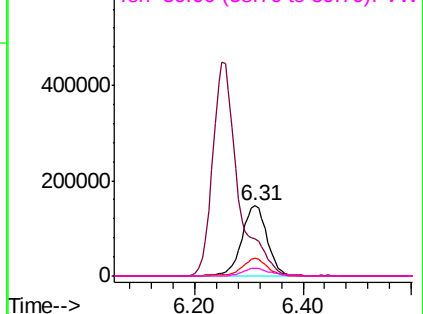
43 52.9 44.3 66.5

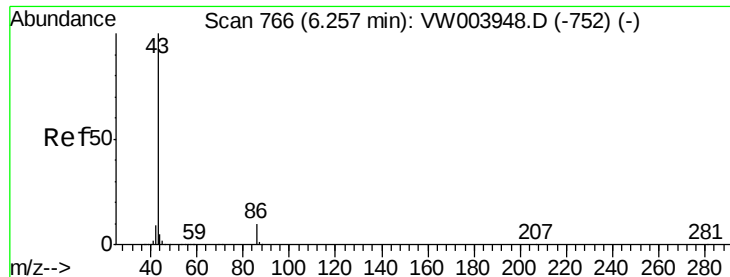
87 25.5 20.2 30.4

59 11.2 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VW
600000
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: 268.249 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.01 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

Instrument :

MSVOA_W

ClientSampleId :

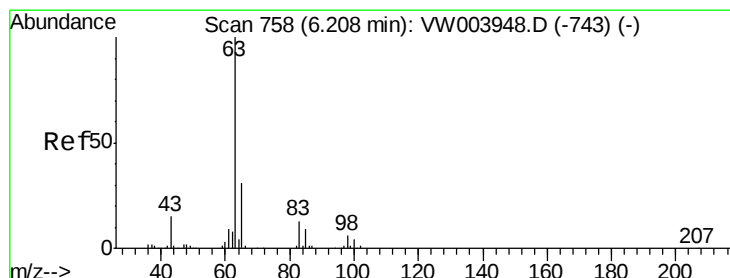
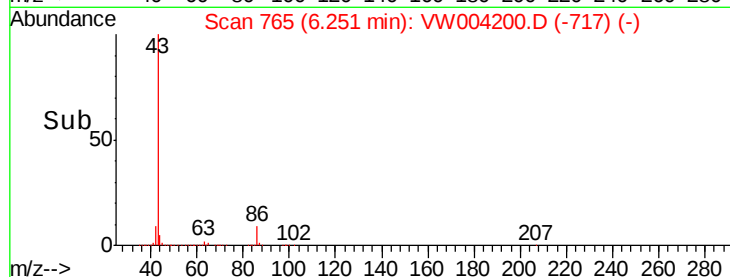
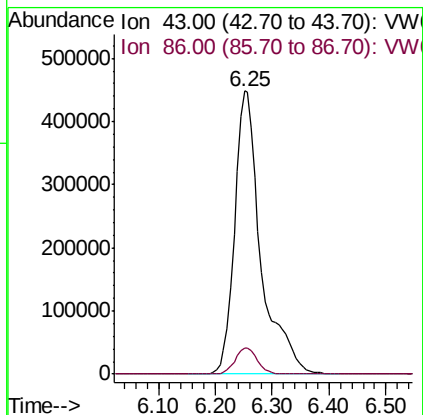
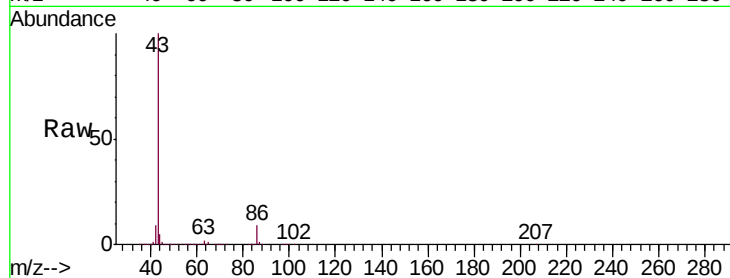
VSTDCCC050

Tgt Ion: 43 Resp: 1447982

Ion Ratio Lower Upper

43 100

86 9.3 7.6 11.4



#24

1,1-Dichloroethane

Concen: 54.190 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.00 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

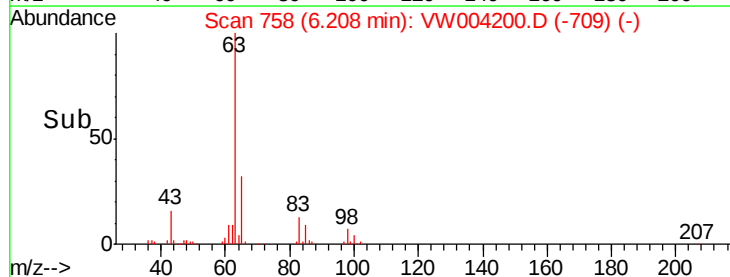
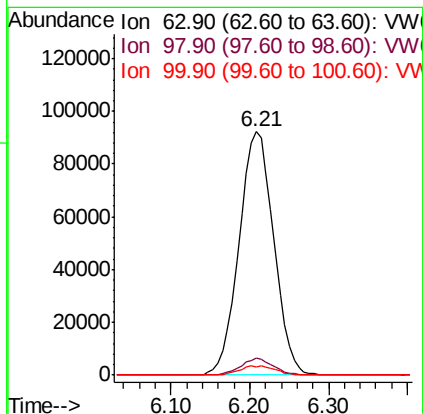
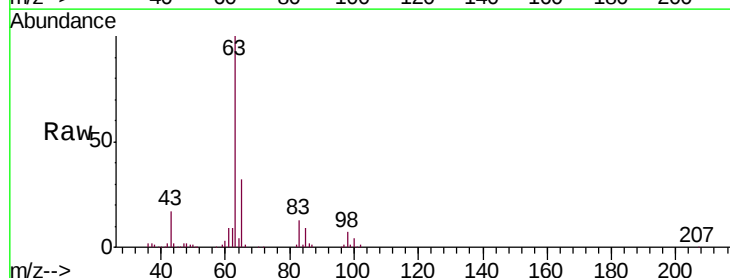
Tgt Ion: 63 Resp: 281690

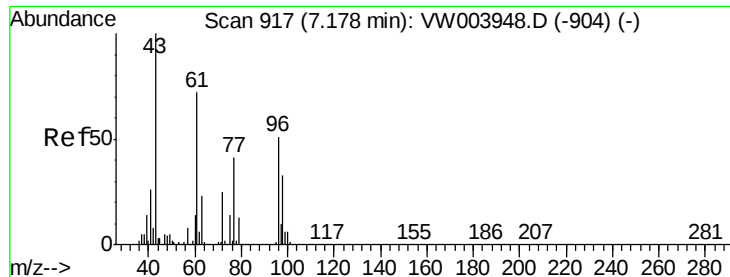
Ion Ratio Lower Upper

63 100

98 6.8 3.1 9.4

100 3.6 2.1 6.5





#25

2-Butanone

Concen: 265.753 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

Instrument :

MSVOA_W

ClientSampled :

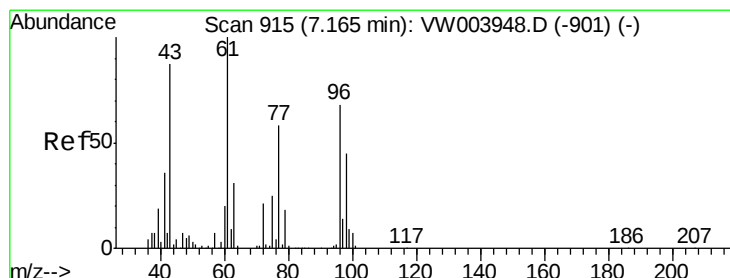
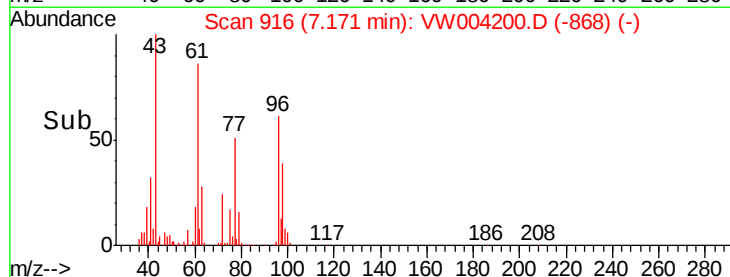
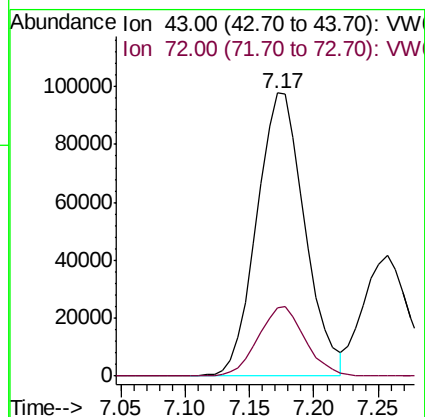
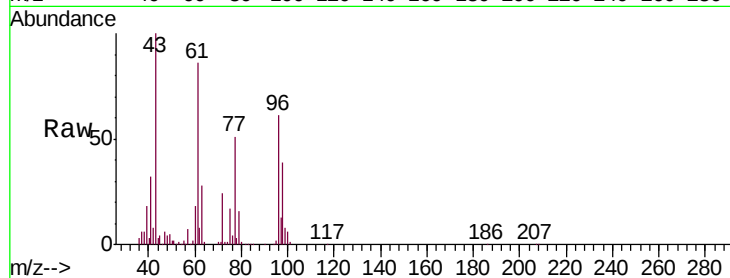
VSTDCCC050

Tgt Ion: 43 Resp: 252424

Ion Ratio Lower Upper

43 100

72 24.0 19.8 29.6



#26

2,2-Dichloropropane

Concen: 52.670 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW004200.D

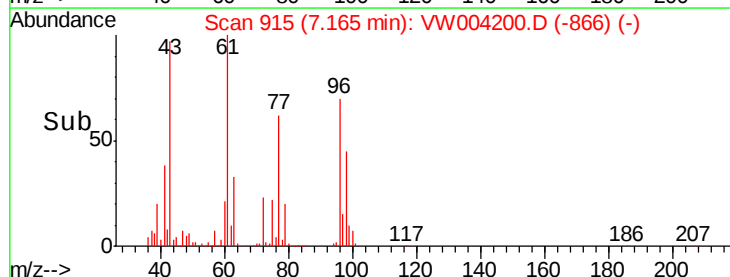
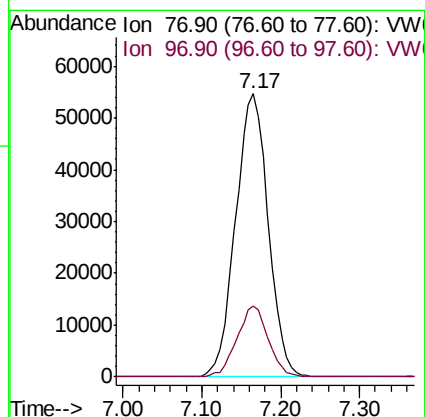
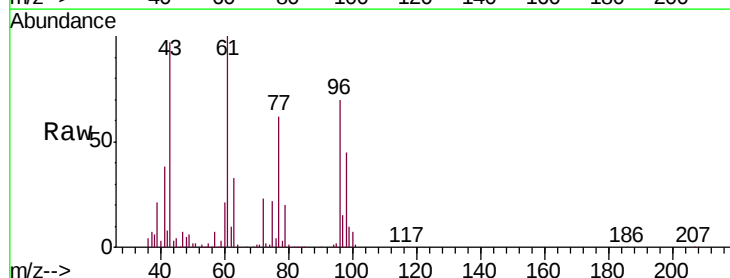
Acq: 25 Jul 2018 17:37

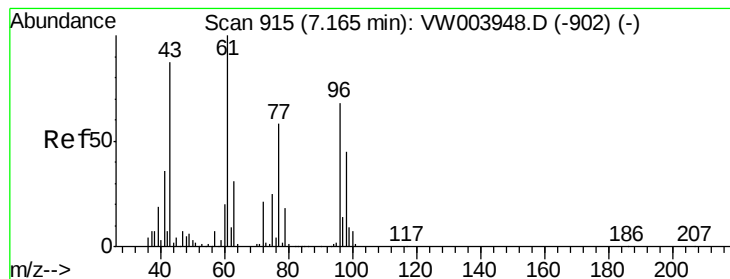
Tgt Ion: 77 Resp: 157160

Ion Ratio Lower Upper

77 100

97 23.9 11.8 35.3



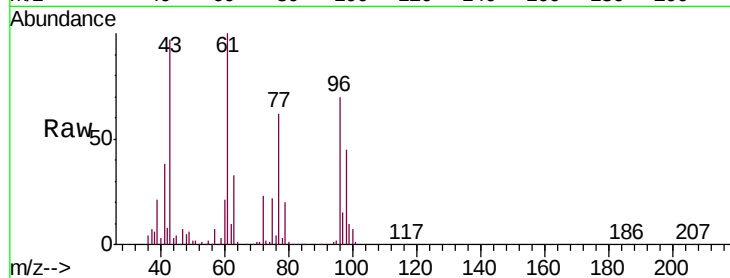


#27

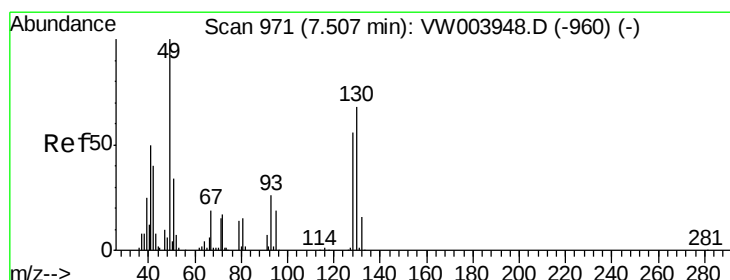
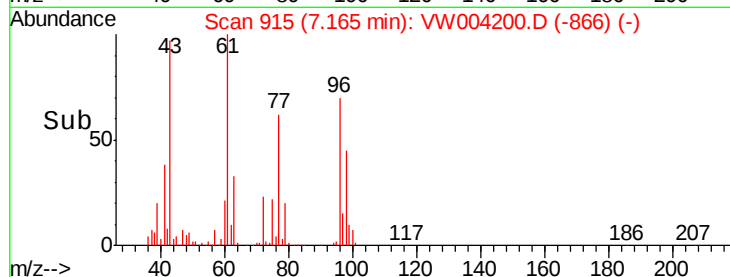
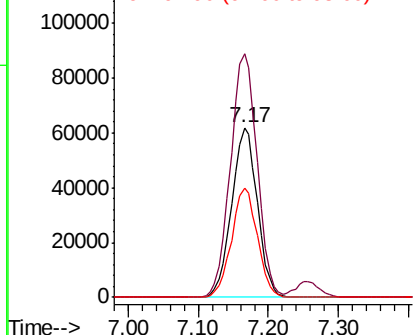
cis-1,2-Dichloroethene
Concen: 52.226 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 158041
Ion Ratio Lower Upper
96 100
61 148.7 0.0 298.6
98 64.8 0.0 130.4



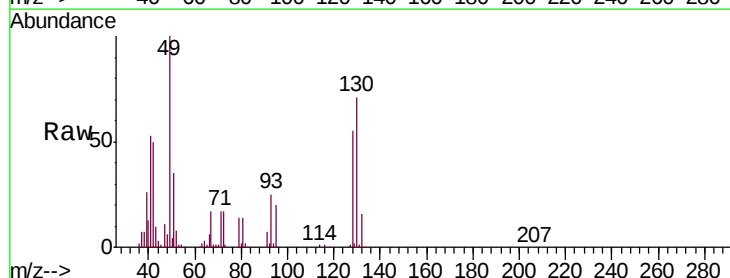
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



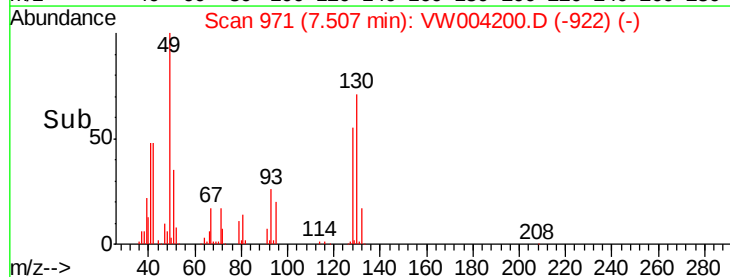
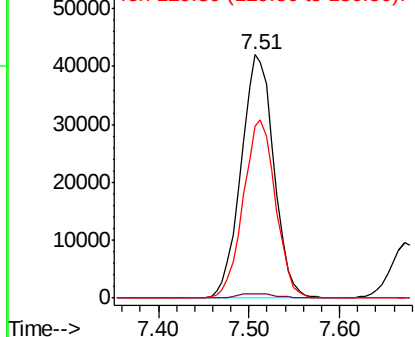
#28

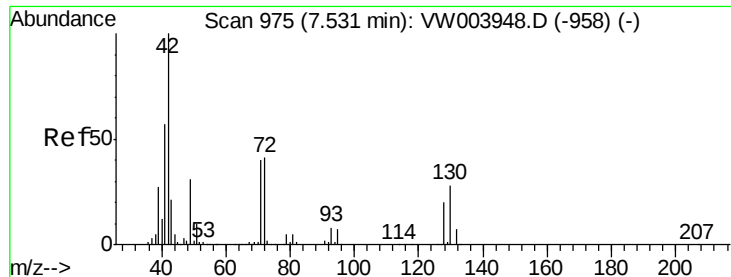
Bromochloromethane
Concen: 49.416 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.00 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

Tgt Ion: 49 Resp: 105123
Ion Ratio Lower Upper
49 100
129 2.0 0.0 2.2
130 72.0 58.3 87.5



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

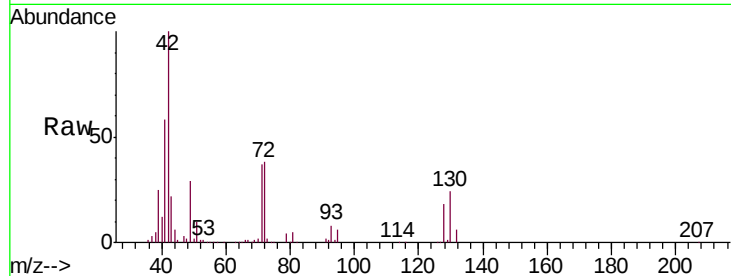




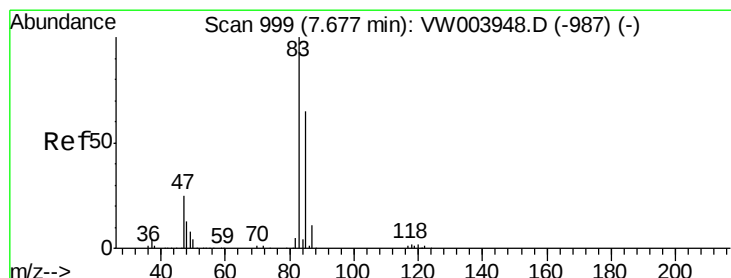
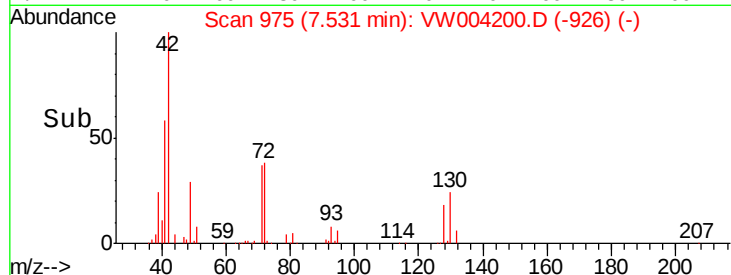
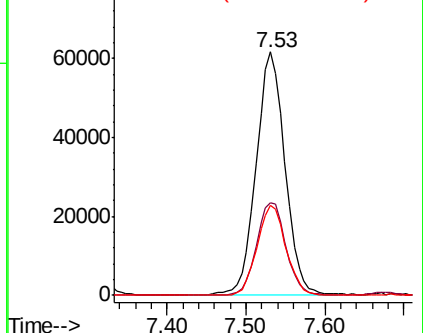
#29
Tetrahydrofuran
Concen: 264.307 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.00 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 156379
Ion Ratio Lower Upper
42 100
72 39.0 32.6 48.8
71 37.2 30.5 45.7

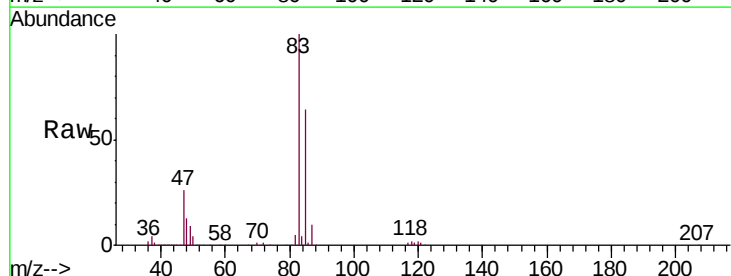


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

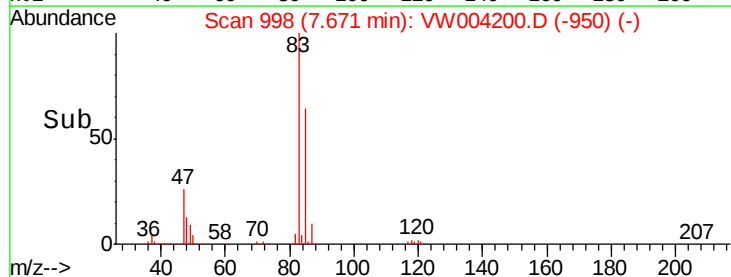
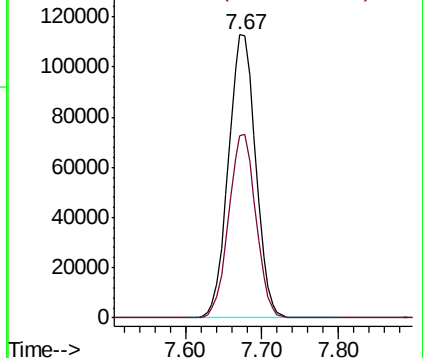


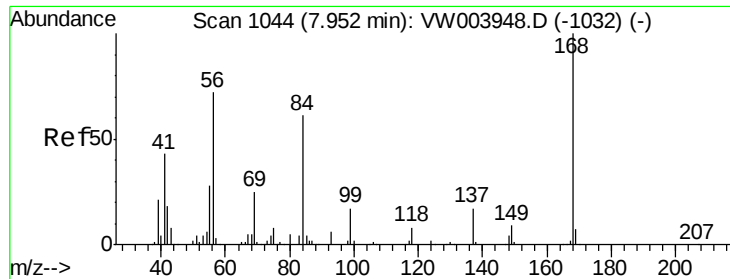
#30
Chloroform
Concen: 53.774 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

Tgt Ion: 83 Resp: 278042
Ion Ratio Lower Upper
83 100
85 64.5 52.2 78.4



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

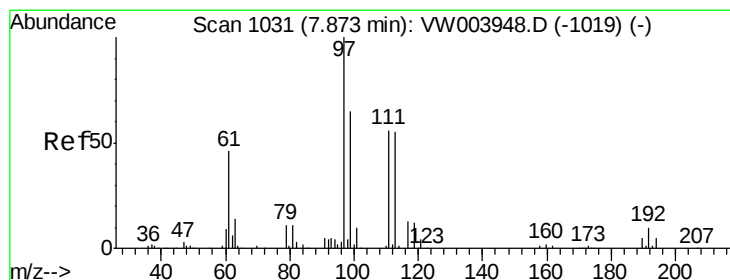
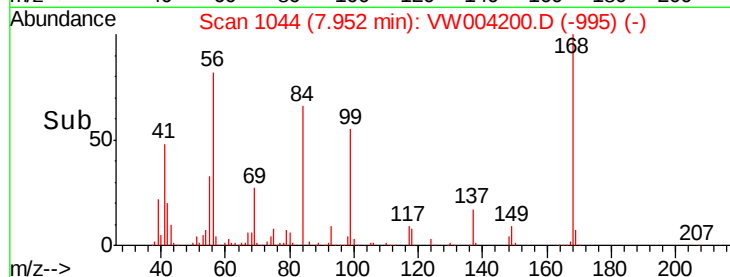
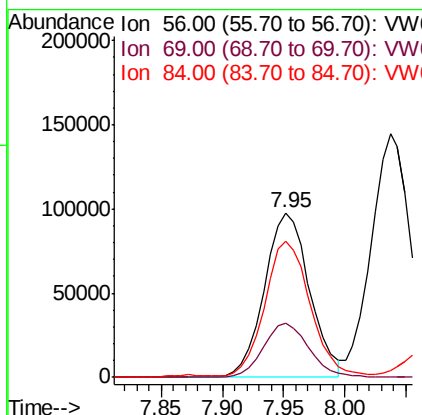
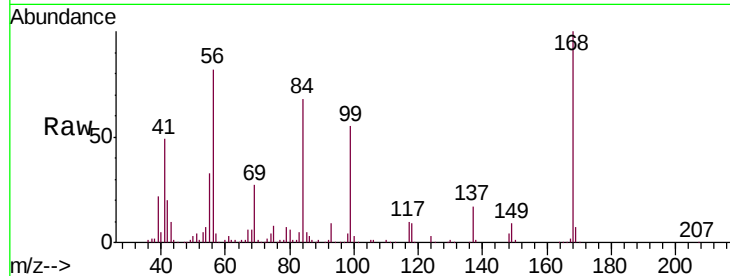




#31
Cyclohexane
Concen: 51.491 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

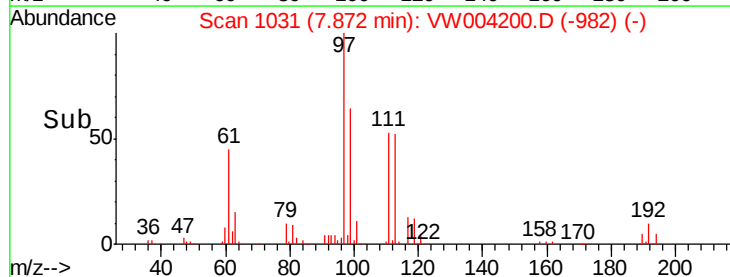
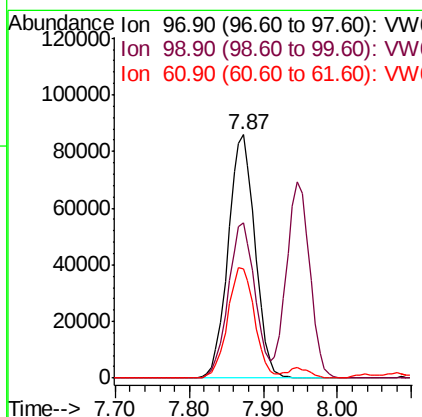
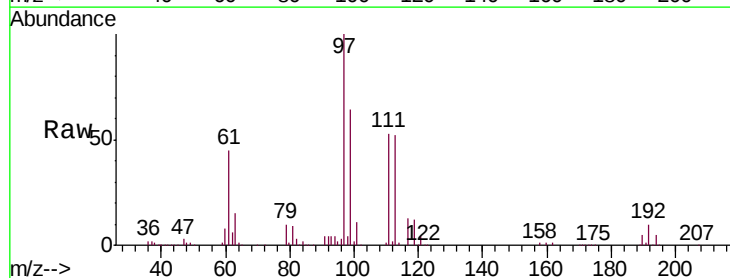
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

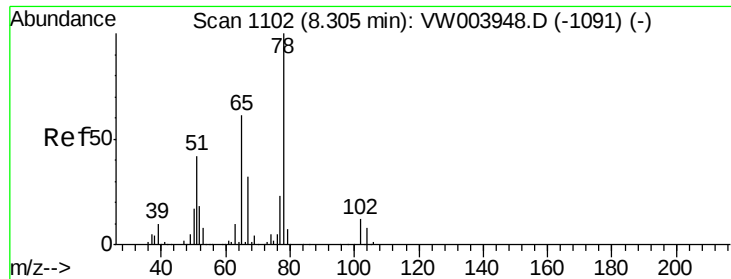
Tgt Ion: 56 Resp: 250903
Ion Ratio Lower Upper
56 100
69 32.5 27.8 41.8
84 81.1 67.2 100.8



#32
1,1,1-Trichloroethane
Concen: 53.575 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

Tgt Ion: 97 Resp: 216316
Ion Ratio Lower Upper
97 100
99 63.8 51.3 76.9
61 45.8 36.8 55.2





#33

1,2-Dichloroethane-d4

Concen: 51.331 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

Instrument :

MSVOA_W

ClientSampleId :

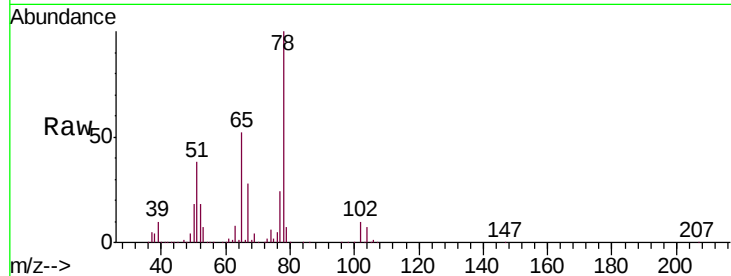
VSTDCCC050

Tgt Ion: 65 Resp: 150775

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

60000

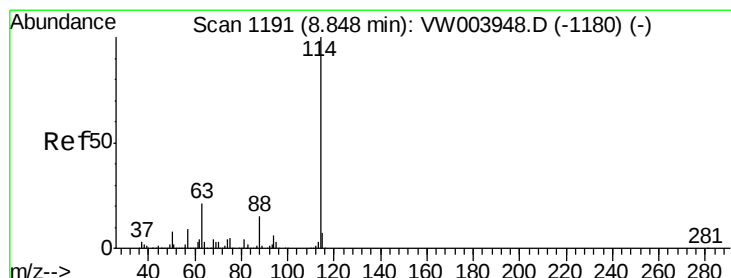
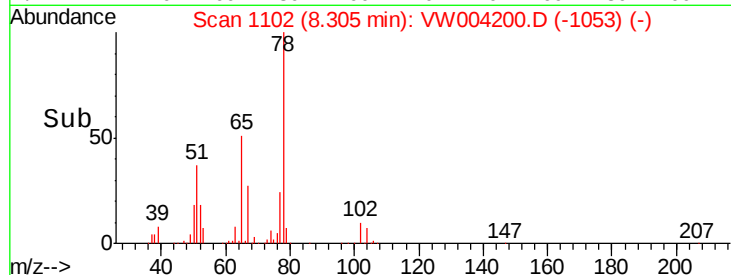
40000

20000

0

8.20 8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

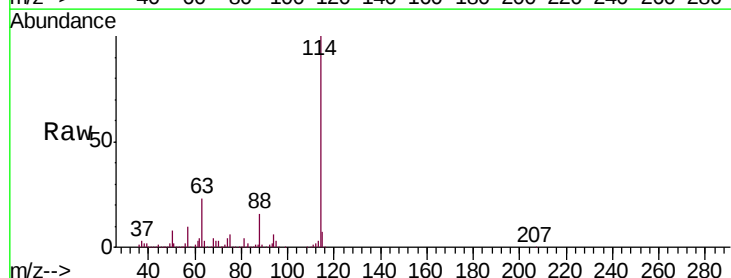
Tgt Ion: 114 Resp: 394261

Ion Ratio Lower Upper

114 100

63 22.6 0.0 42.8

88 15.5 0.0 30.4



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

250000

200000

150000

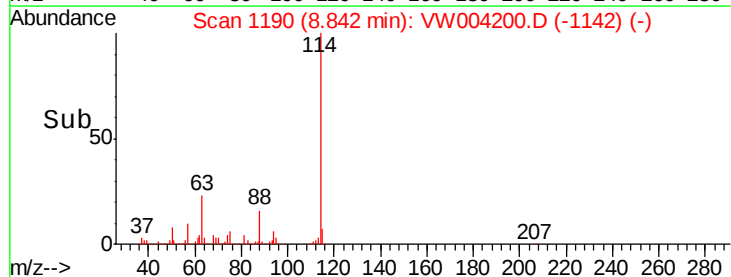
100000

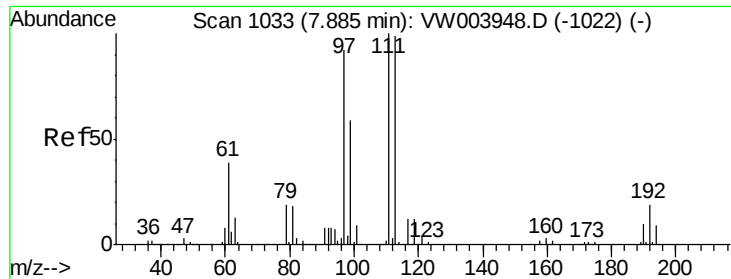
50000

0

8.80 8.84 8.88 8.92 8.96 9.00

Time-->

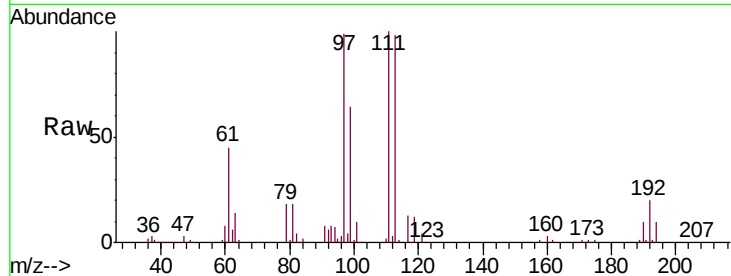




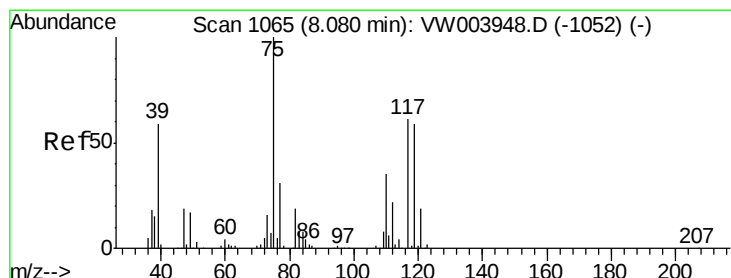
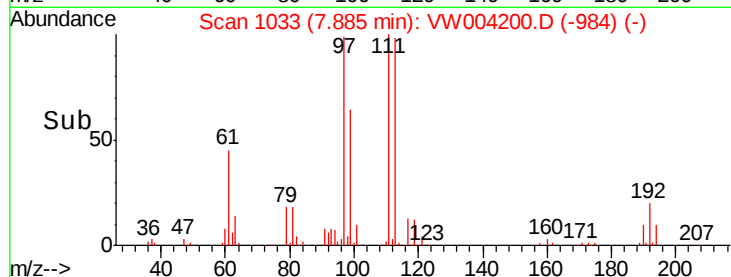
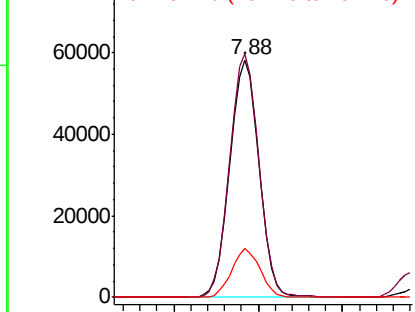
#35
 Dibromofluoromethane
 Concen: 54.011 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.3	121.9
192	19.9	15.8	23.6

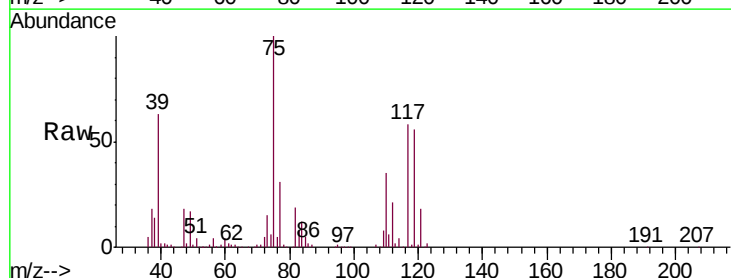


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

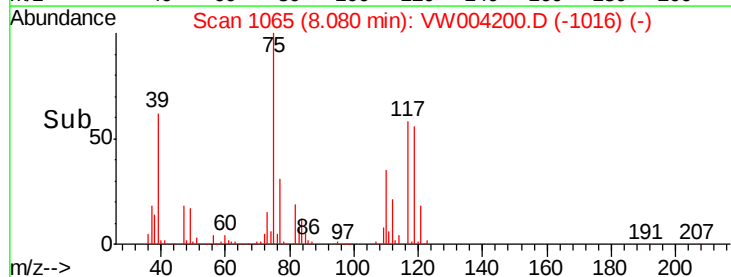
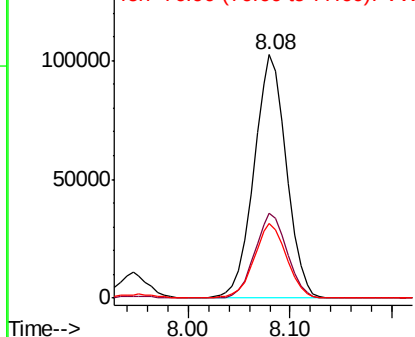


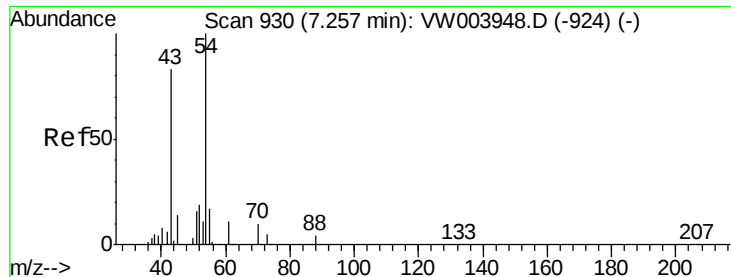
#36
 1,1-Dichloropropene
 Concen: 55.806 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.0	51.0
77	31.0	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

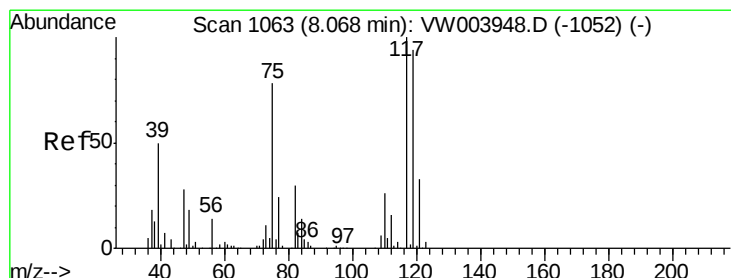
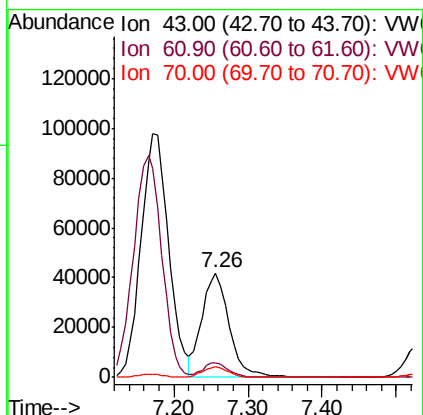
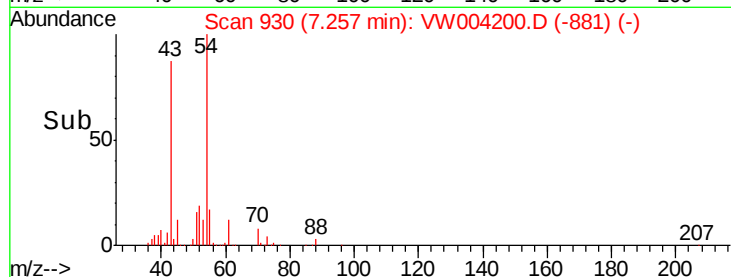
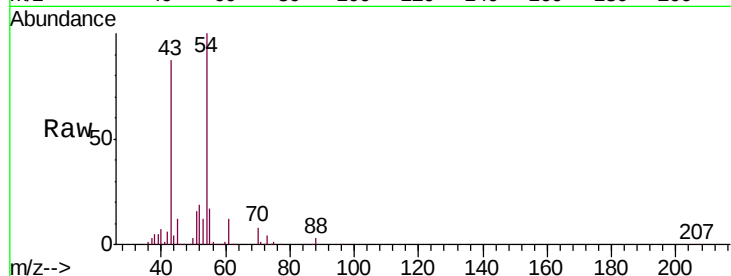




#37
Ethyl Acetate
Concen: 53.774 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

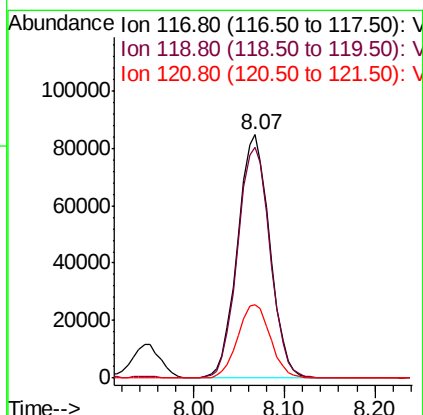
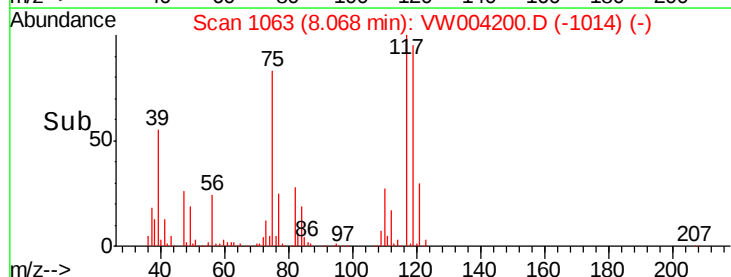
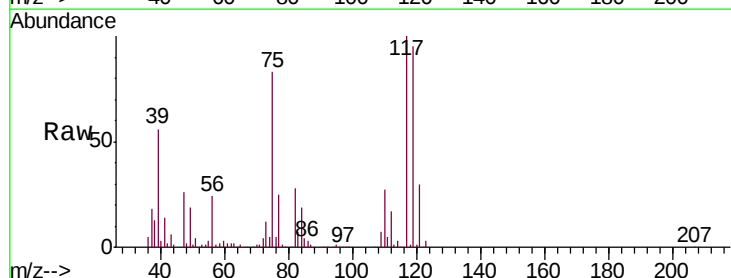
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

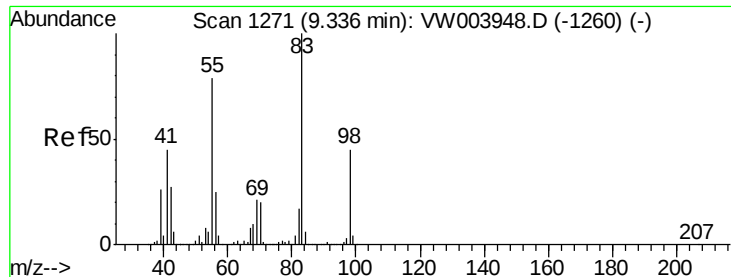
Tgt Ion: 43 Resp: 105211
Ion Ratio Lower Upper
43 100
61 13.3 10.7 16.1
70 9.6 7.7 11.5



#38
Carbon Tetrachloride
Concen: 54.985 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

Tgt Ion: 117 Resp: 208405
Ion Ratio Lower Upper
117 100
119 95.0 75.3 112.9
121 30.3 26.0 39.0

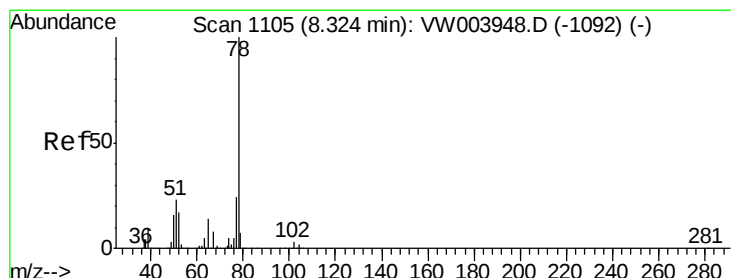
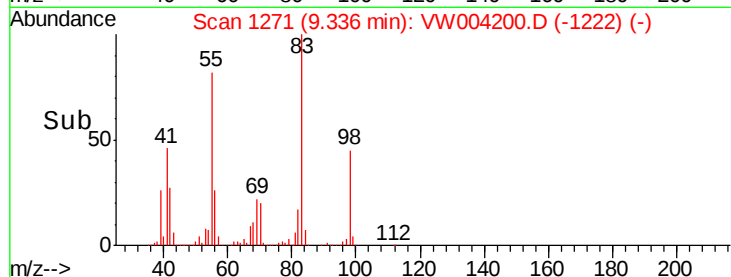
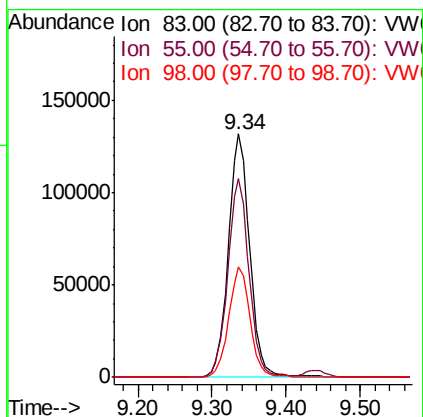
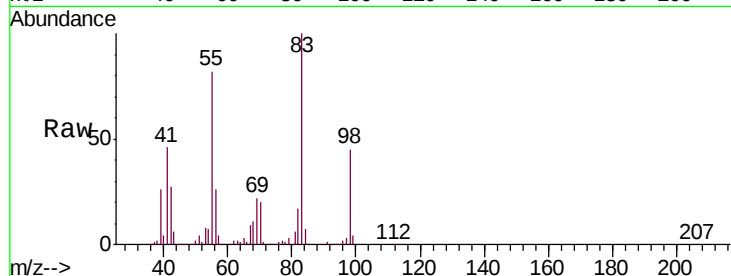




#39
Methylcyclohexane
Concen: 55.794 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

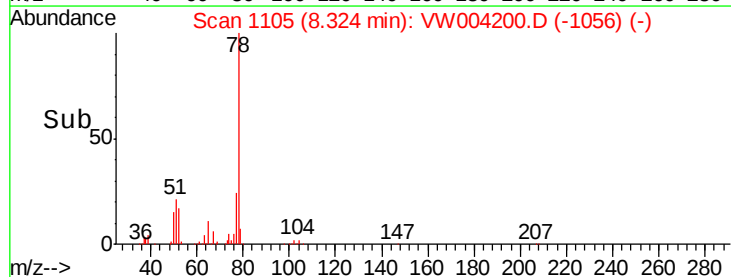
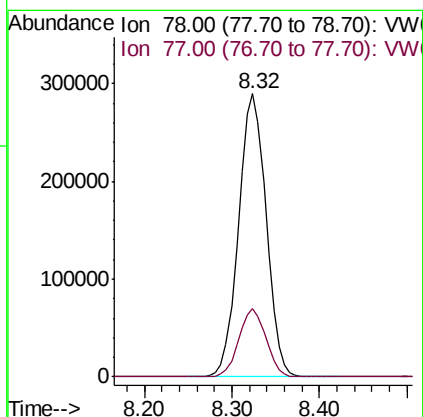
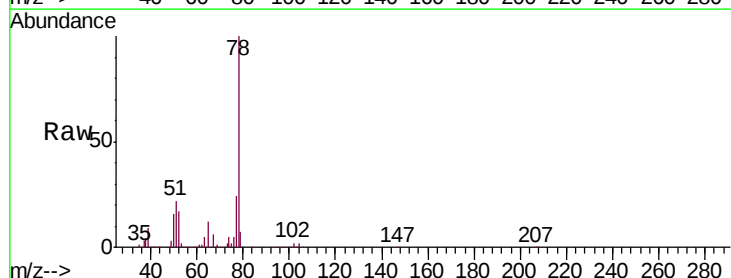
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

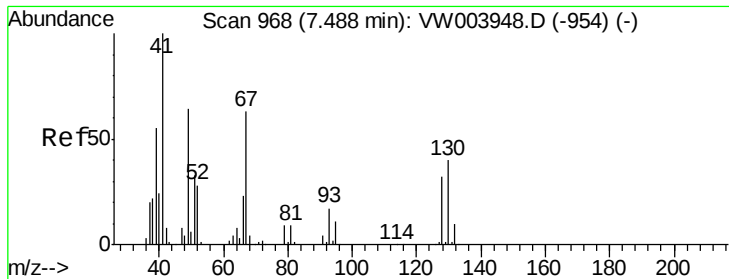
Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.6	62.8	94.2
98	45.1	36.2	54.4



#40
Benzene
Concen: 56.307 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.5	29.3





#41

Methacrylonitrile

Concen: 53.562 ug/l

RT: 7.49 min Scan# 968

Delta R.T. -0.00 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 58067

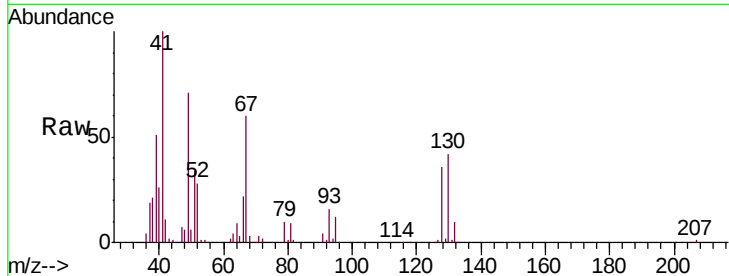
Ion Ratio Lower Upper

41 100

39 60.1 50.0 75.0

67 71.2 60.8 91.2

52 31.2 26.2 39.4

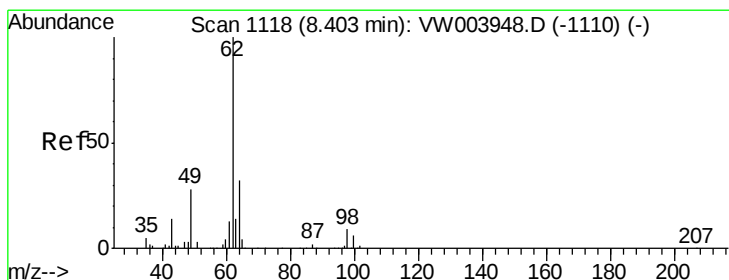
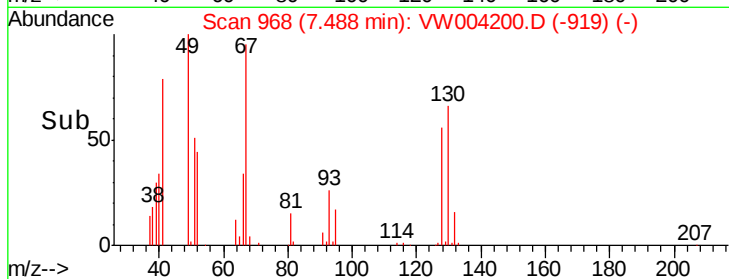
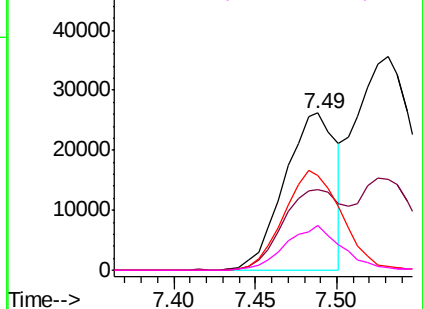


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 54.446 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW004200.D

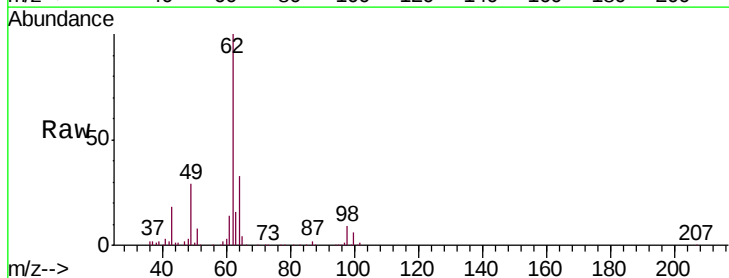
Acq: 25 Jul 2018 17:37

Tgt Ion: 62 Resp: 186933

Ion Ratio Lower Upper

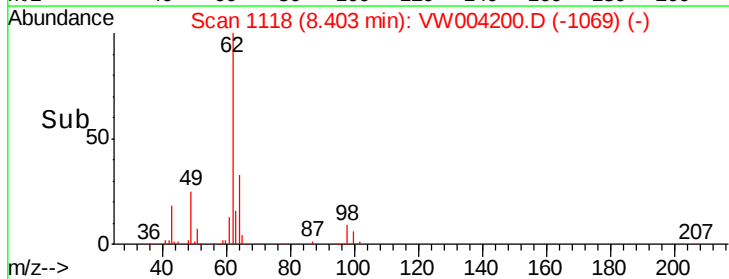
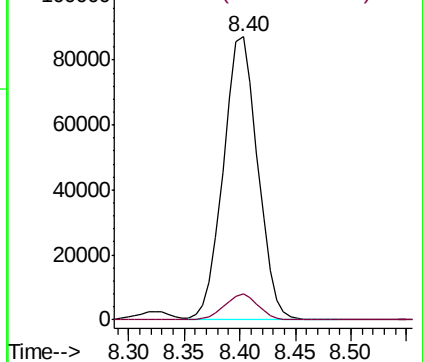
62 100

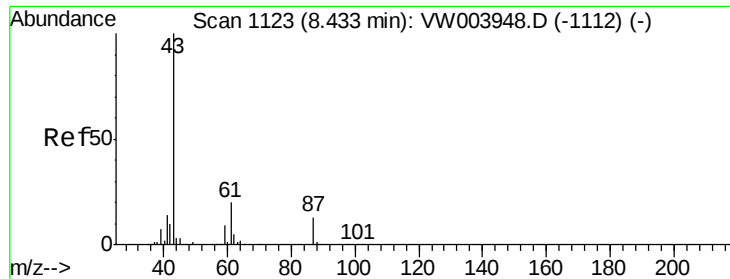
98 9.0 0.0 17.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

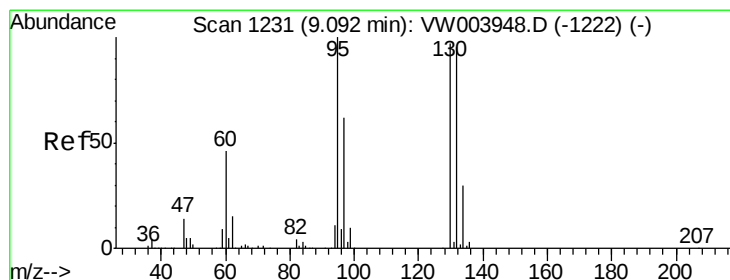
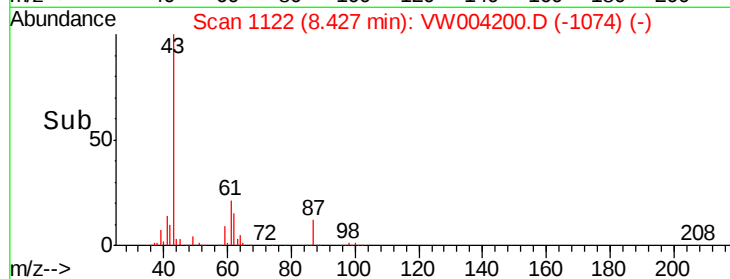
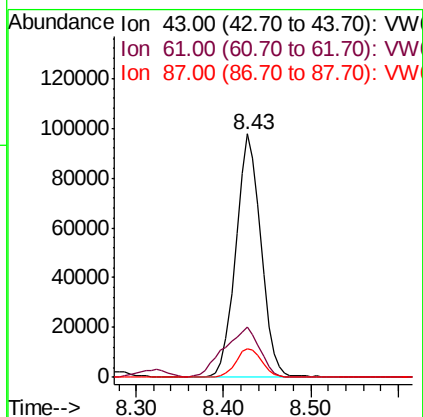
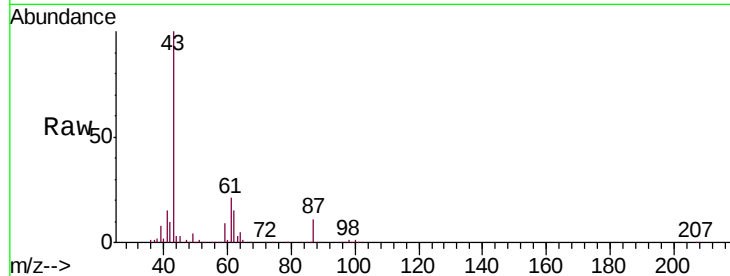




#43
Isopropyl Acetate
Concen: 53.027 ug/l
RT: 8.43 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

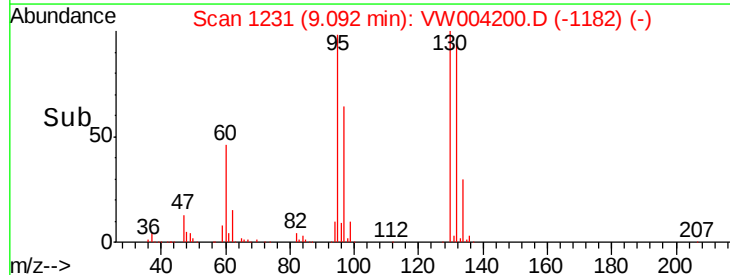
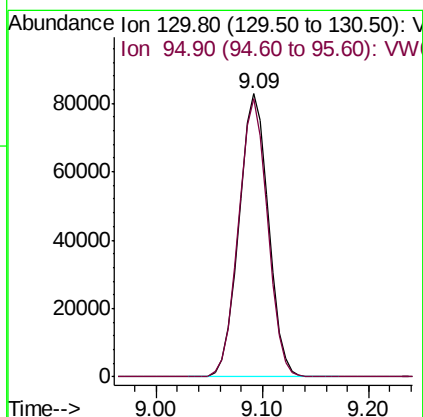
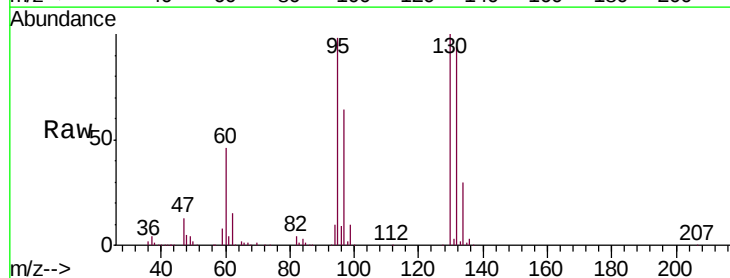
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

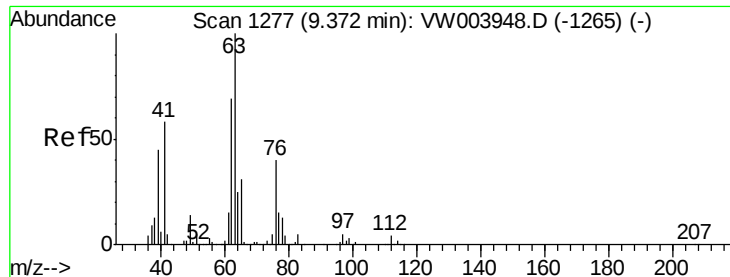
Tgt Ion: 43 Resp: 194048
Ion Ratio Lower Upper
43 100
61 29.4 23.0 34.6
87 12.1 9.9 14.9



#44
Trichloroethene
Concen: 55.078 ug/l
RT: 9.09 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

Tgt Ion: 130 Resp: 160671
Ion Ratio Lower Upper
130 100
95 98.5 0.0 206.8

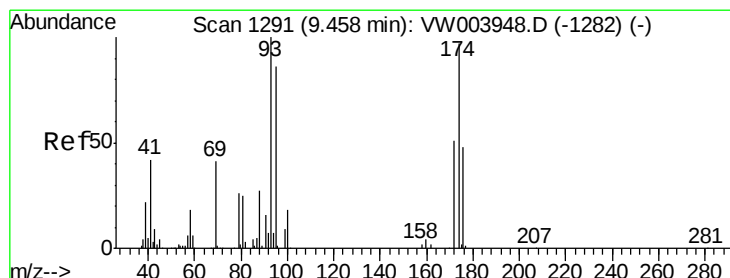
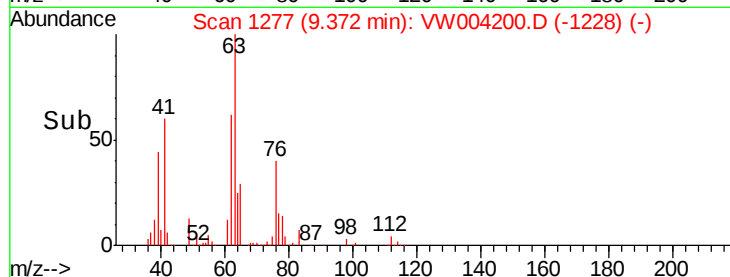
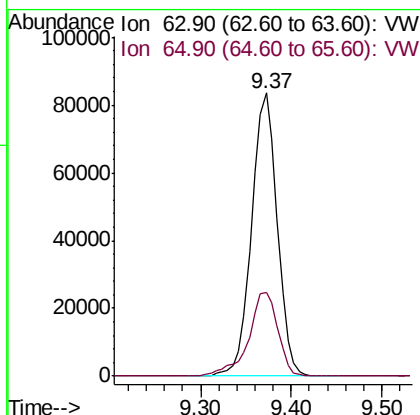
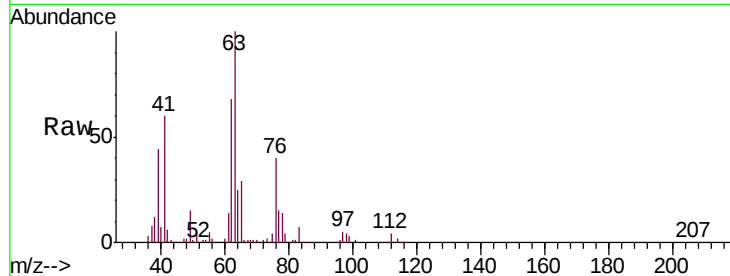




#45
 1,2-Dichloropropane
 Concen: 56.947 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

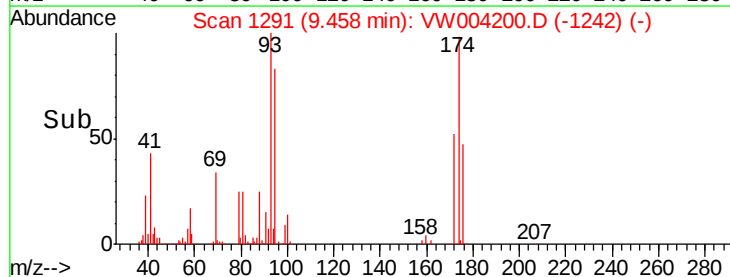
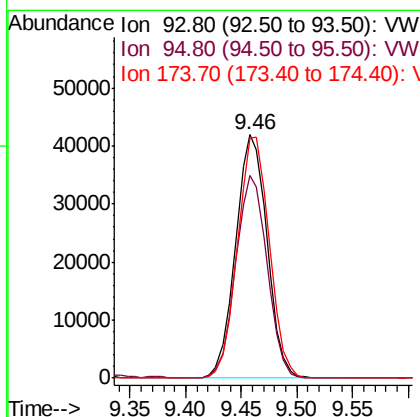
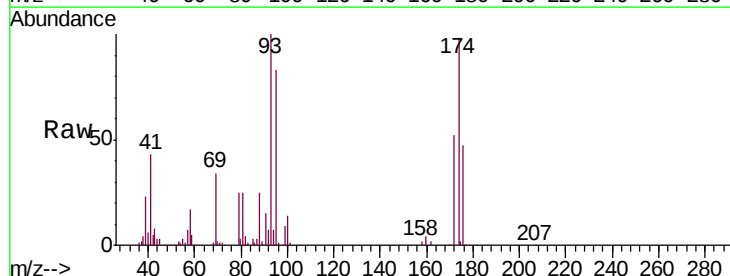
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

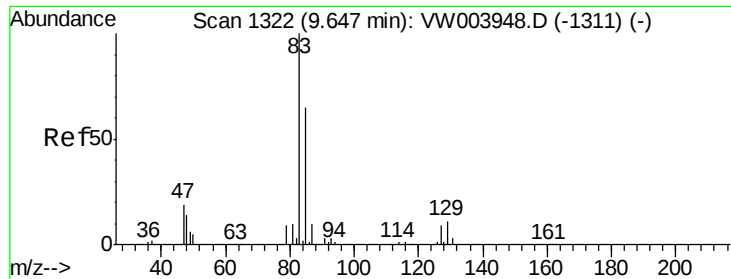
Tgt Ion: 63 Resp: 163571
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.8 37.2



#46
 Dibromomethane
 Concen: 54.998 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

Tgt Ion: 93 Resp: 81973
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.9 100.3
 174 100.3 80.2 120.2

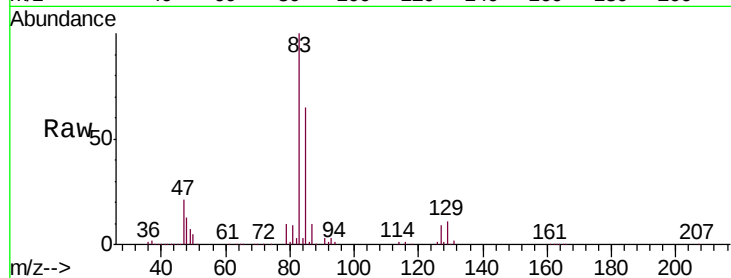




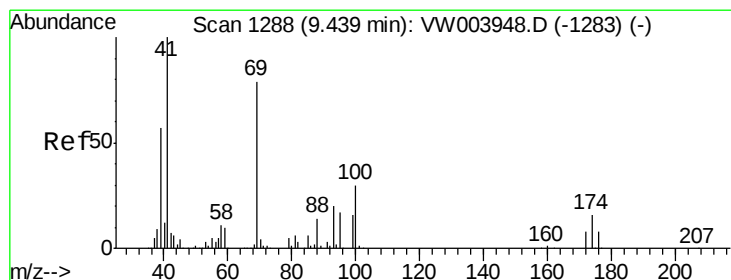
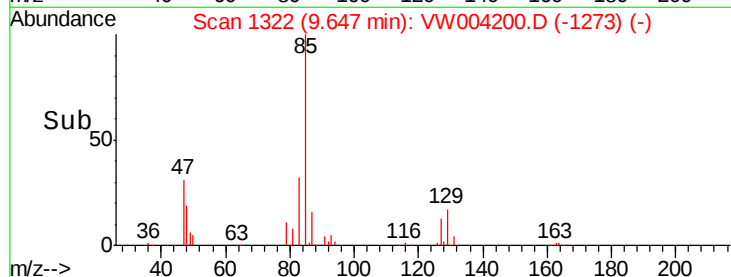
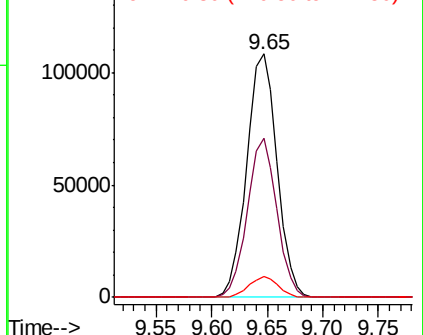
#47
 Bromodichloromethane
 Concen: 56.004 ug/l
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.2
127	8.6	7.0	10.4

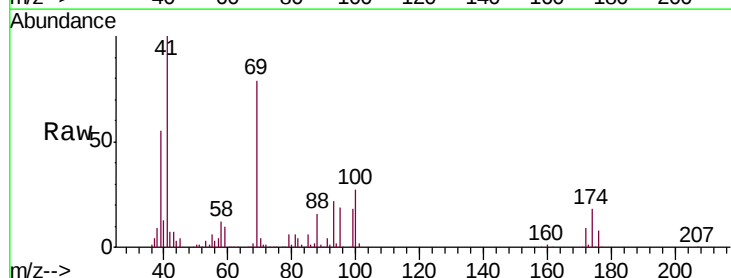


Abundance Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 126.80 (126.50 to 127.50): V

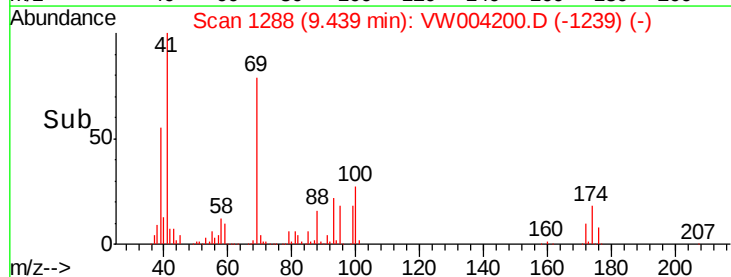
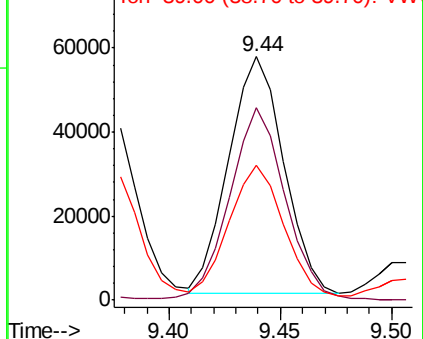


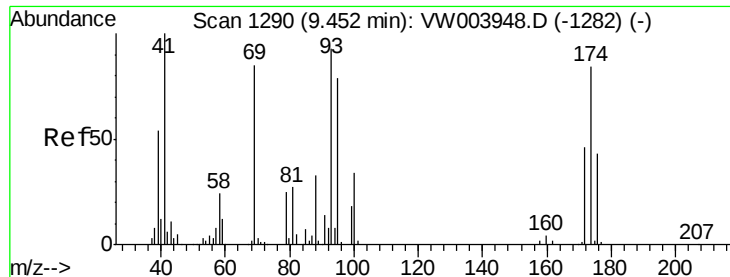
#48
 Methyl methacrylate
 Concen: 54.737 ug/l
 RT: 9.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.7	67.0	100.6
39	58.0	48.8	73.2



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: 1172.810 ug/l

RT: 9.45 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

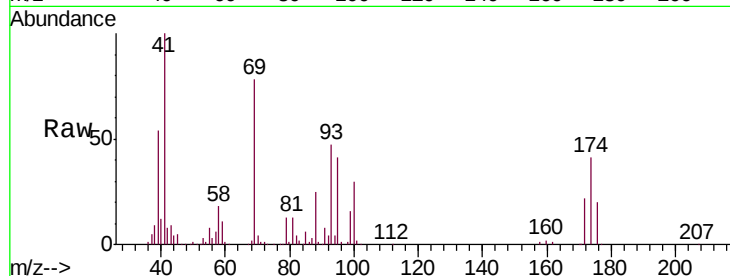
Tgt Ion: 88 Resp: 26870

Ion Ratio Lower Upper

88 100

43 34.7 27.3 40.9

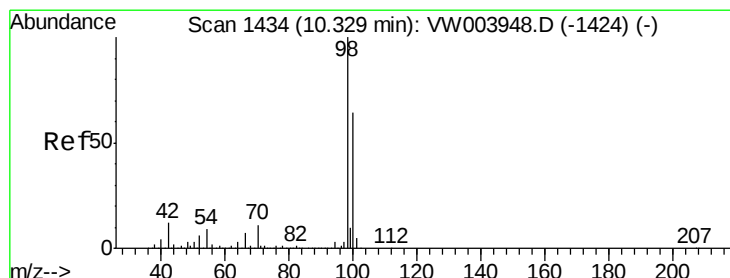
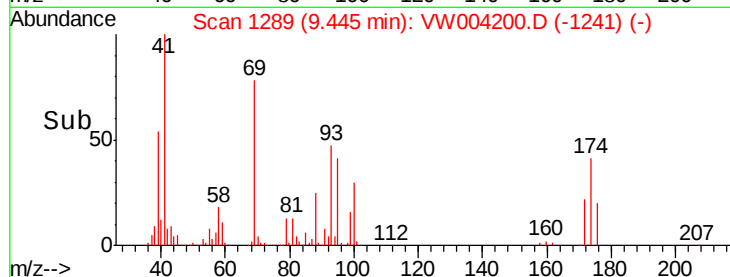
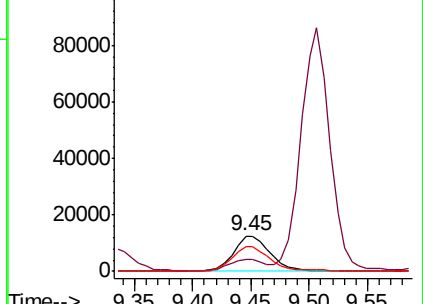
58 76.2 61.1 91.7



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 54.761 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004200.D

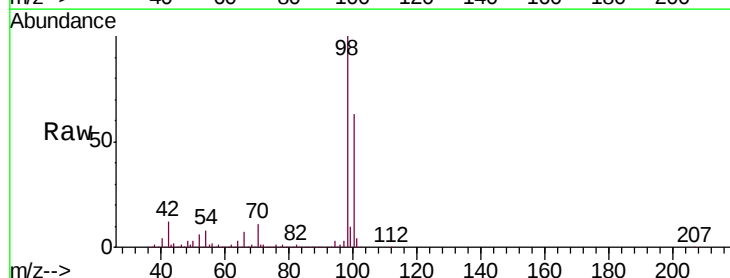
Acq: 25 Jul 2018 17:37

Tgt Ion: 98 Resp: 537523

Ion Ratio Lower Upper

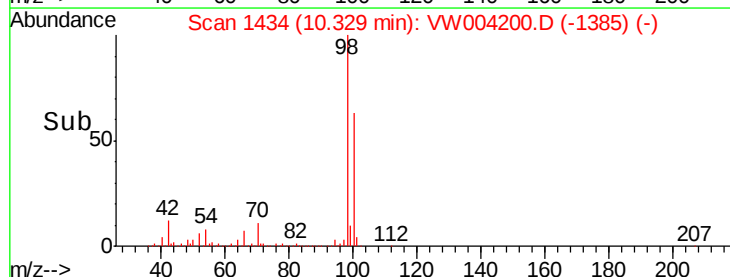
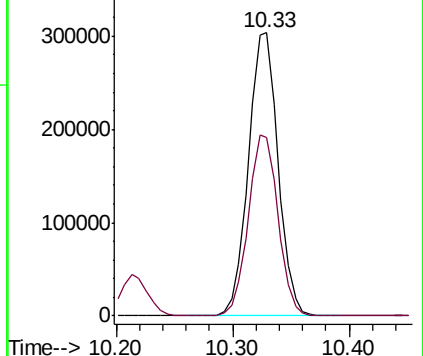
98 100

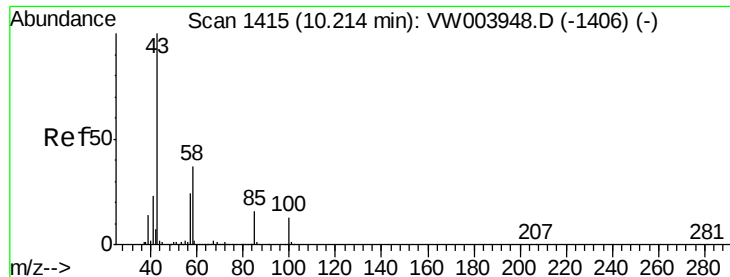
100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

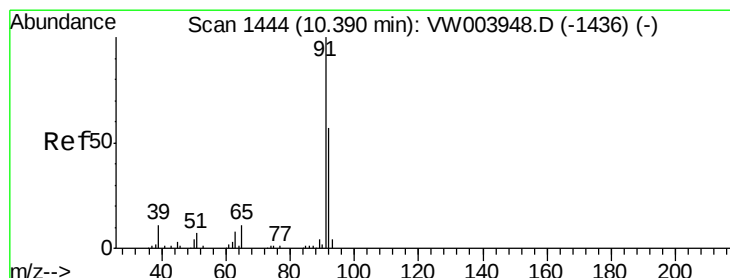
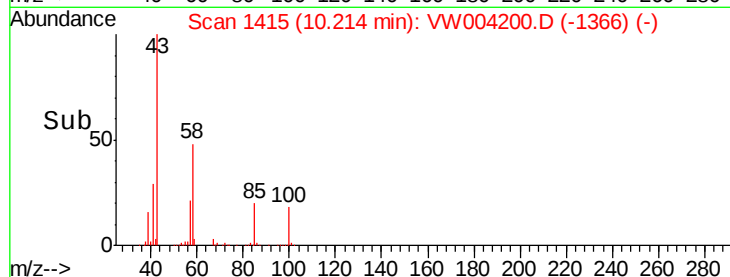
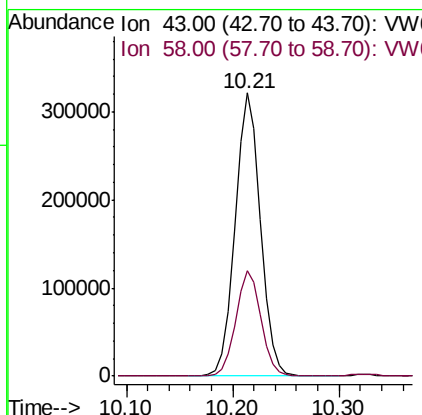
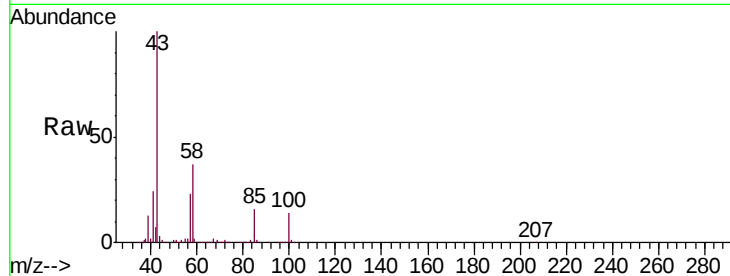




#51
 4-Methyl-2-Pentanone
 Concen: 274.277 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

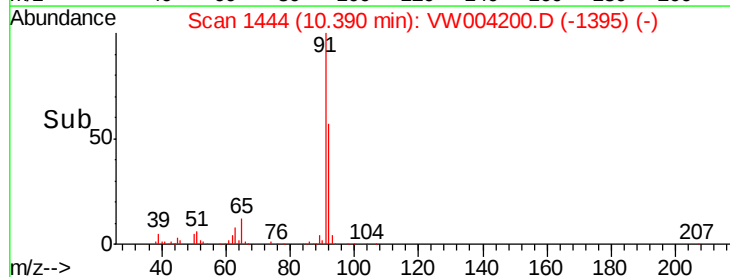
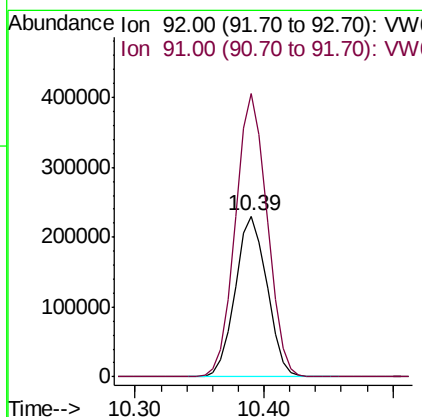
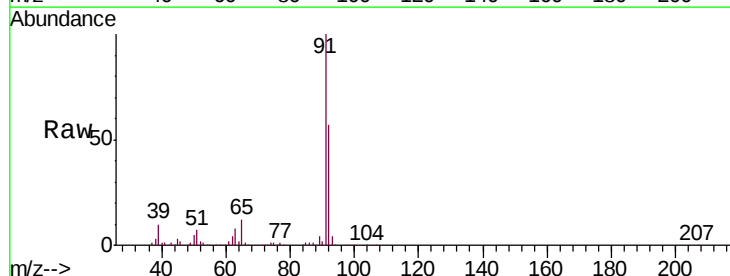
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

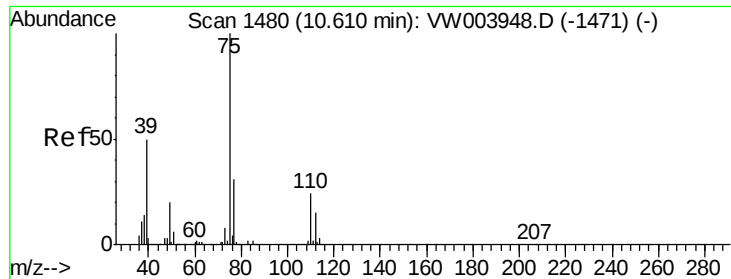
Tgt Ion: 43 Resp: 534729
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.9 44.9



#52
 Toluene
 Concen: 56.565 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

Tgt Ion: 92 Resp: 393638
 Ion Ratio Lower Upper
 92 100
 91 175.4 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 55.082 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

Instrument :

MSVOA_W

ClientSampleId :

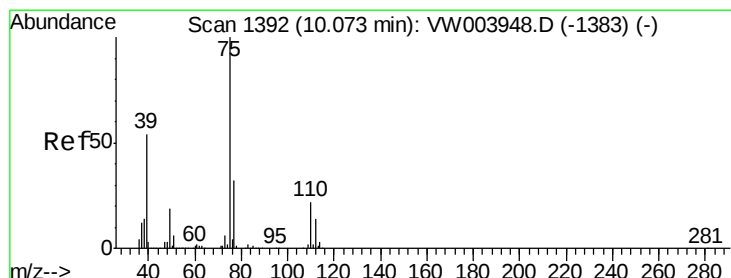
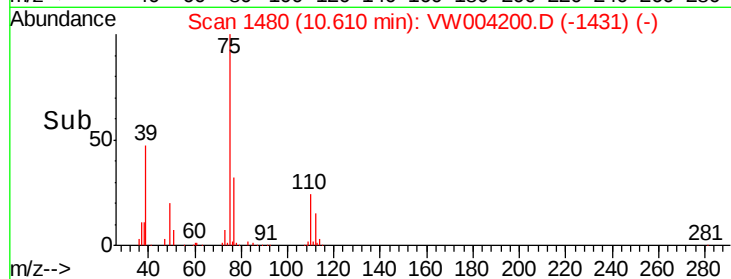
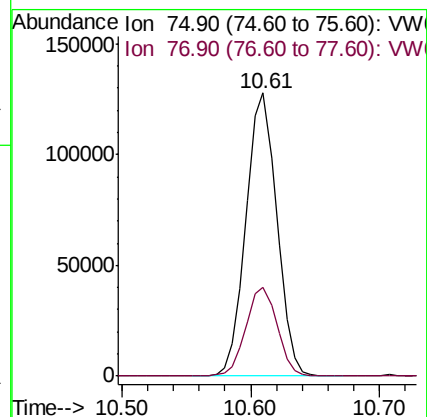
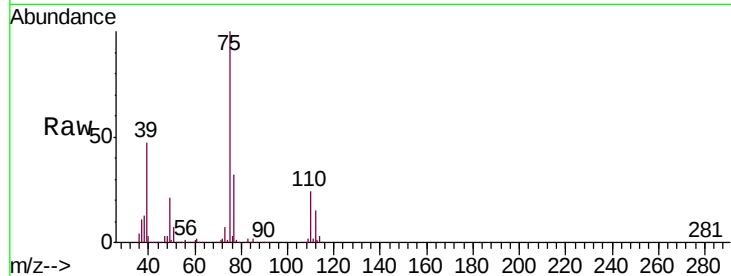
VSTDCCC050

Tgt Ion: 75 Resp: 211642

Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 55.723 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

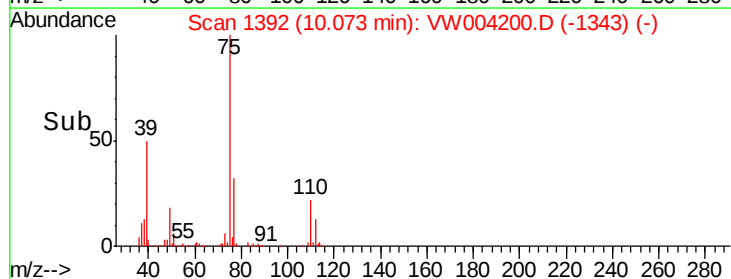
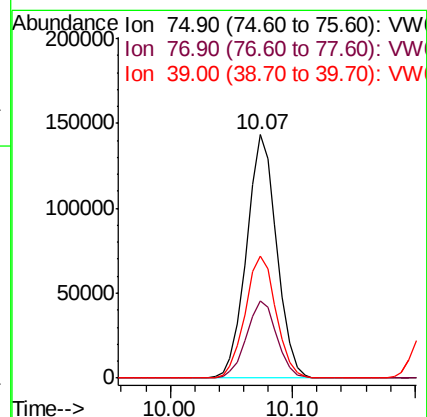
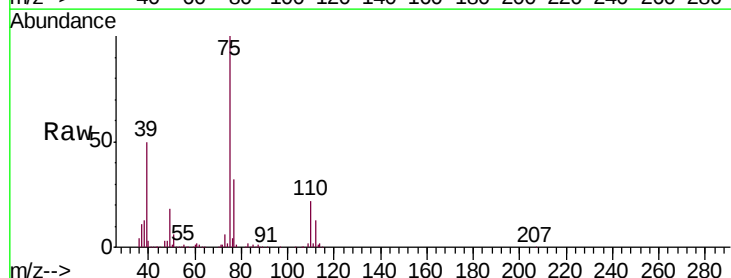
Tgt Ion: 75 Resp: 244929

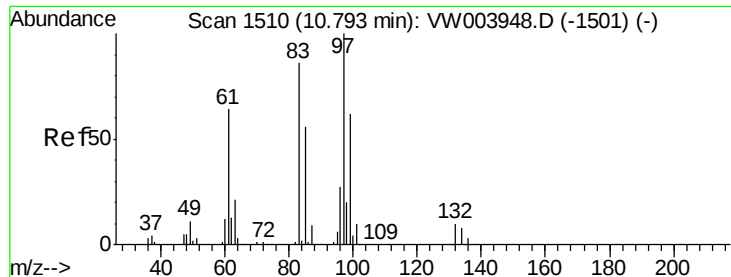
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2

39 50.3 43.0 64.6

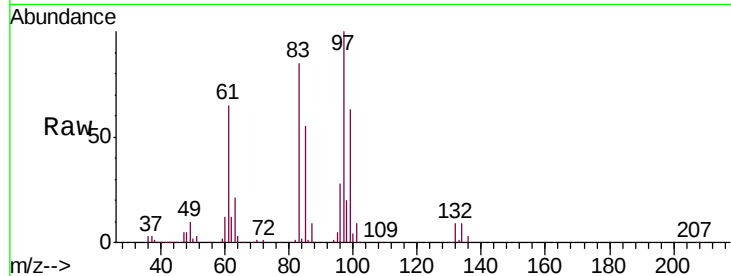




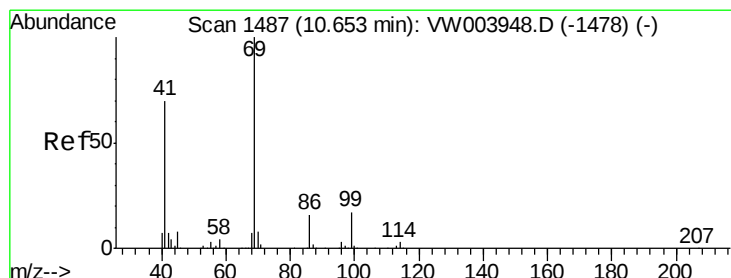
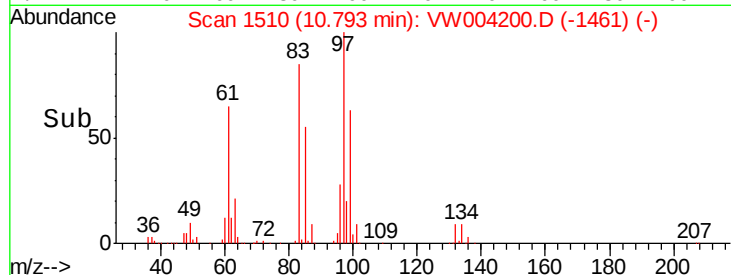
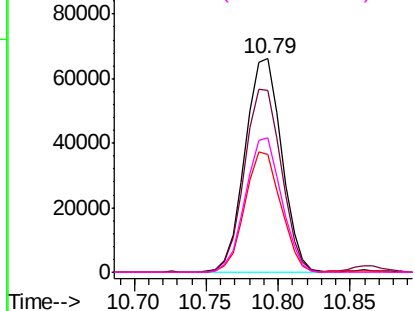
#55
 1,1,2-Trichloroethane
 Concen: 55.558 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 97 Resp: 116462
 Ion Ratio Lower Upper
 97 100
 83 85.0 69.0 103.4
 85 55.5 45.0 67.6
 99 63.0 49.9 74.9

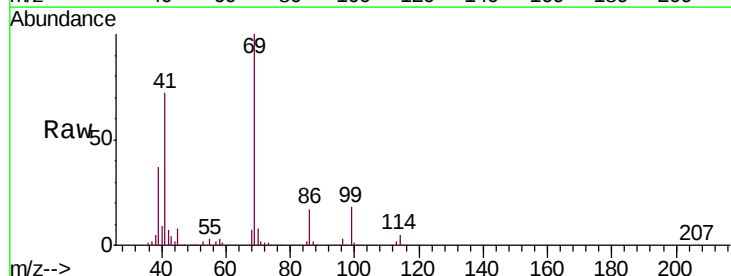


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

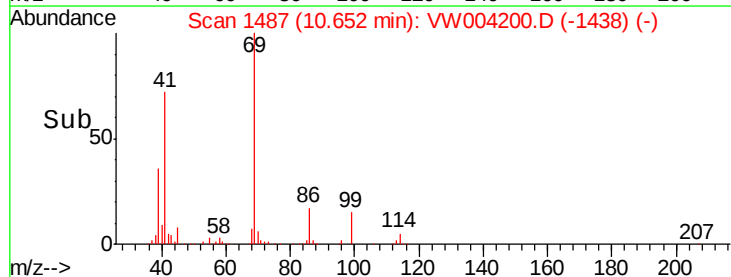
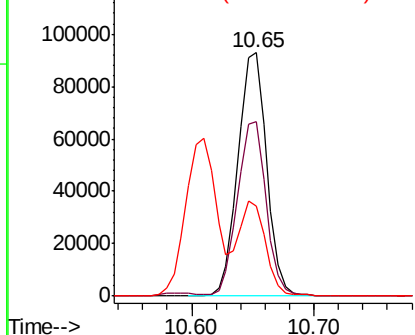


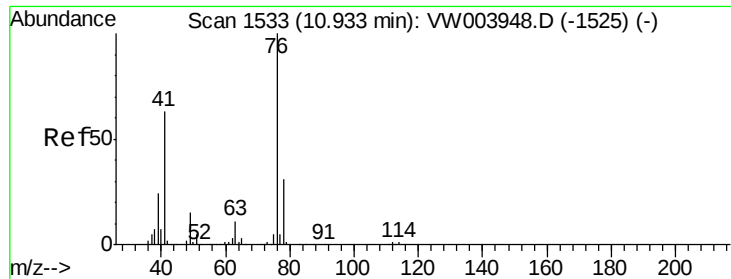
#56
 Ethyl methacrylate
 Concen: 50.358 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

Tgt Ion: 69 Resp: 151059
 Ion Ratio Lower Upper
 69 100
 41 71.5 56.5 84.7
 39 37.4 30.2 45.4



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

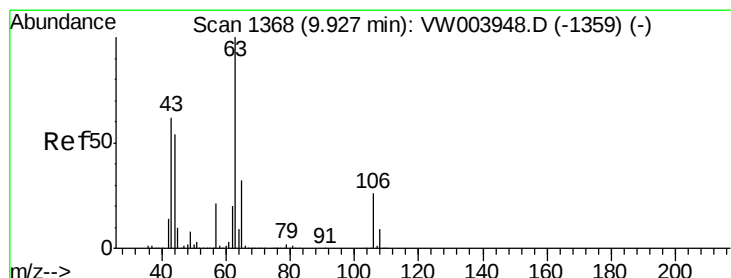
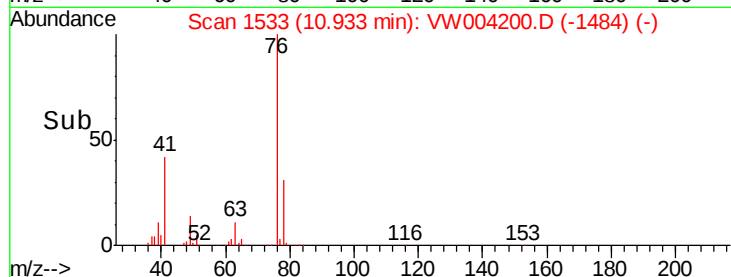
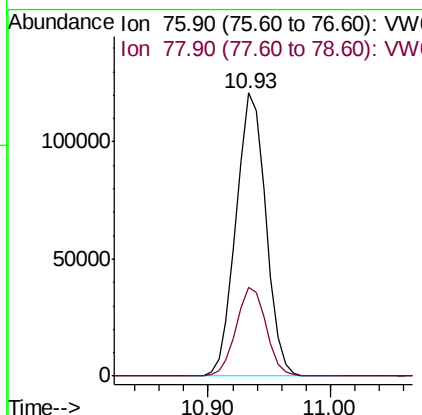
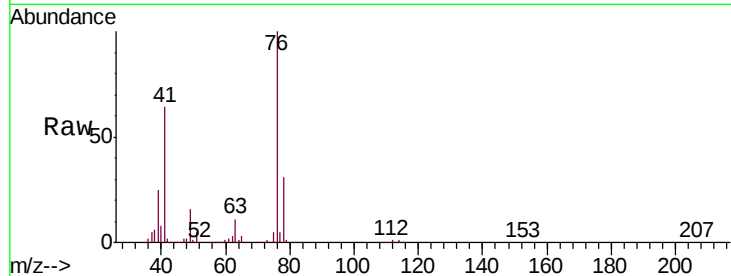




#57
 1,3-Dichloropropane
 Concen: 56.130 ug/l
 RT: 10.93 min Scan# 1533
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

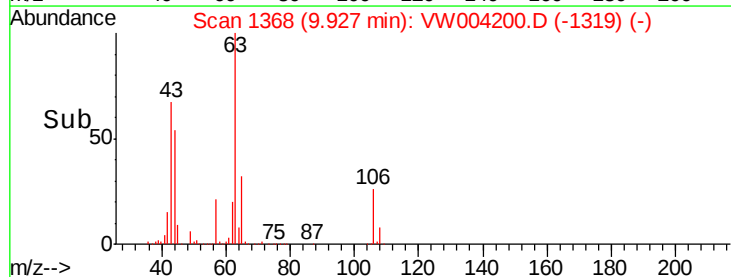
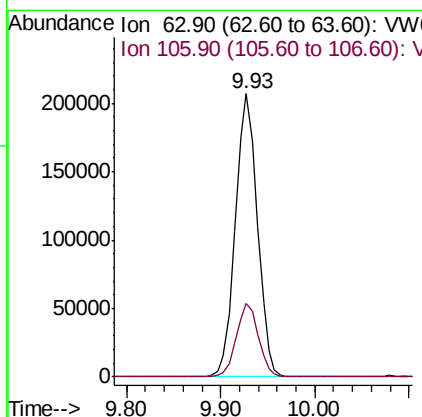
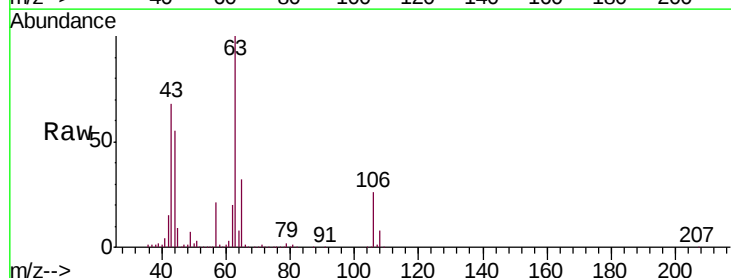
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

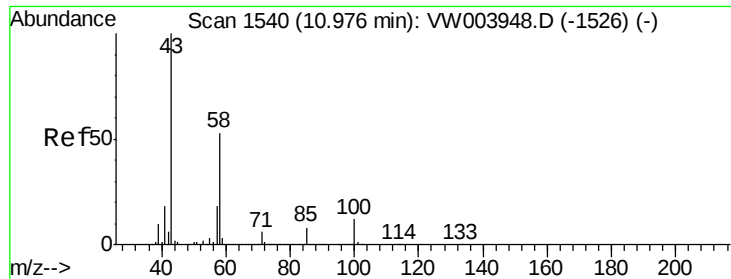
Tgt Ion: 76 Resp: 204424
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 269.845 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

Tgt Ion: 63 Resp: 335569
 Ion Ratio Lower Upper
 63 100
 106 25.9 21.2 31.8

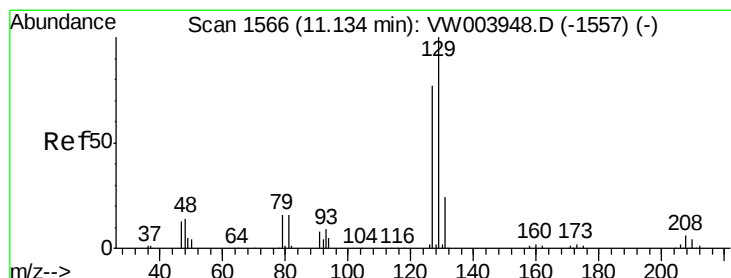
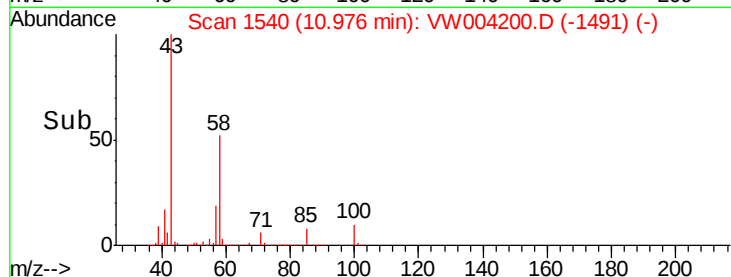
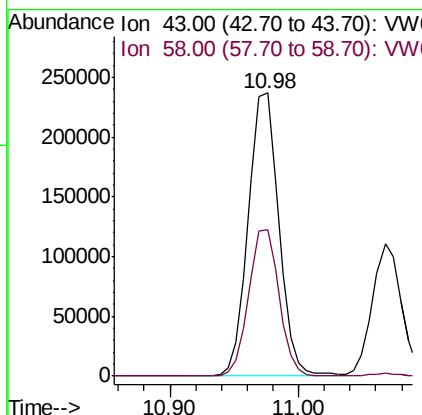
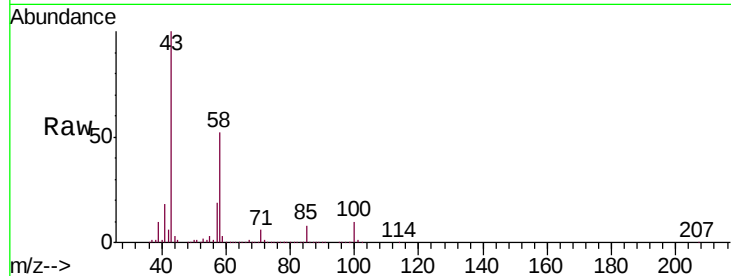




#59
2-Hexanone
Concen: 282.268 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

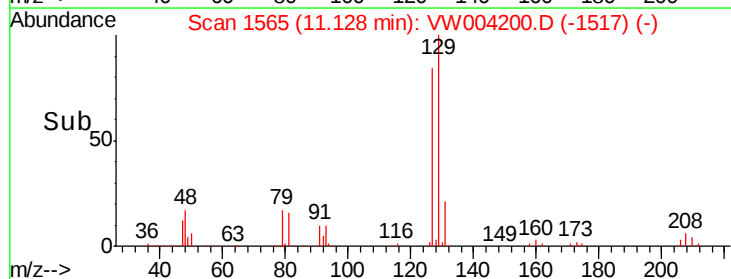
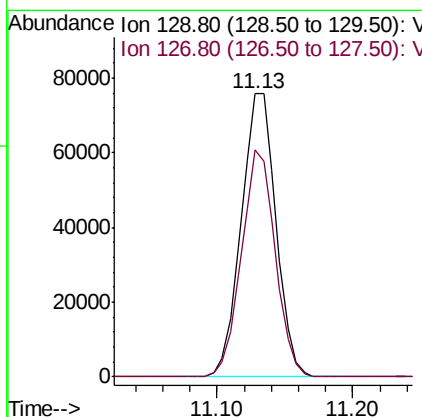
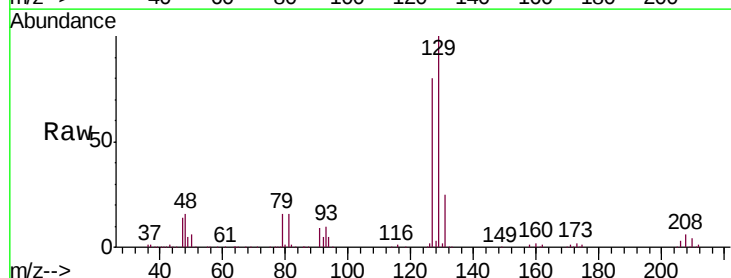
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

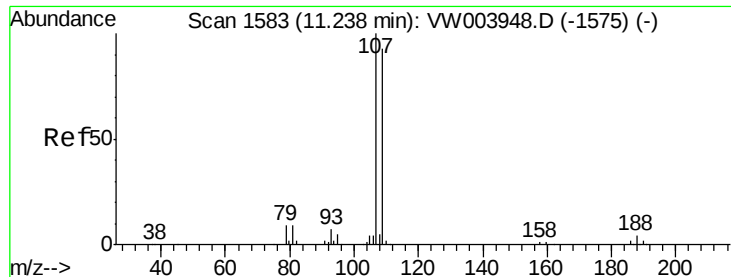
Tgt Ion: 43 Resp: 387865
Ion Ratio Lower Upper
43 100
58 51.5 26.0 78.0



#60
Dibromochloromethane
Concen: 55.609 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

Tgt Ion: 129 Resp: 135753
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.3

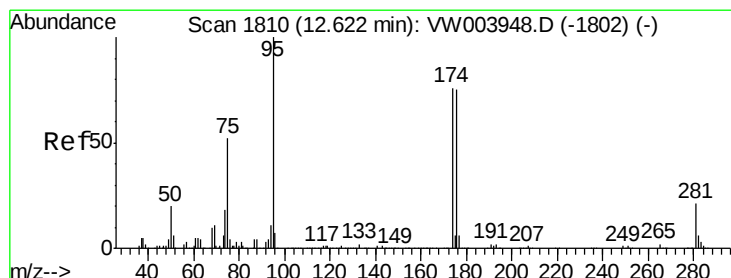
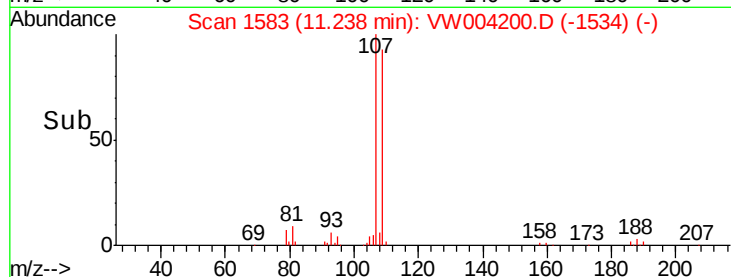
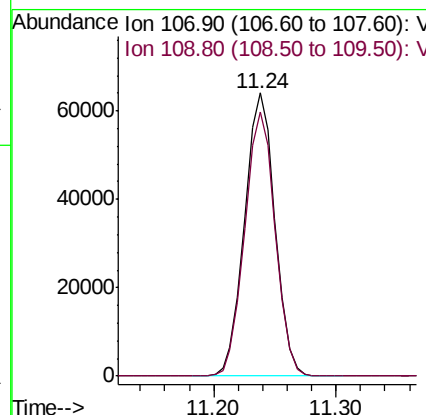
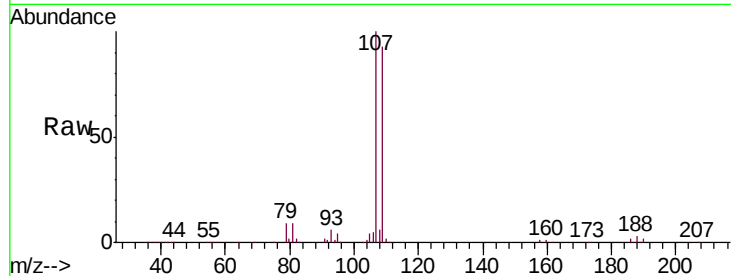




#61
 1,2-Dibromoethane
 Concen: 55.261 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

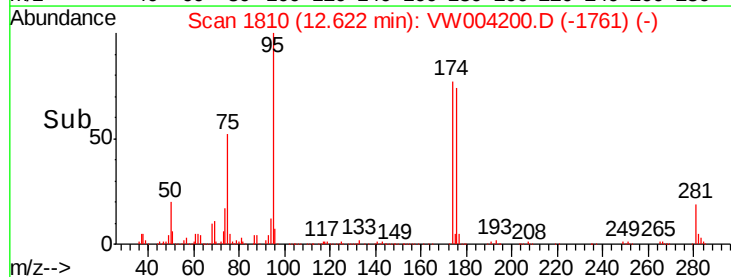
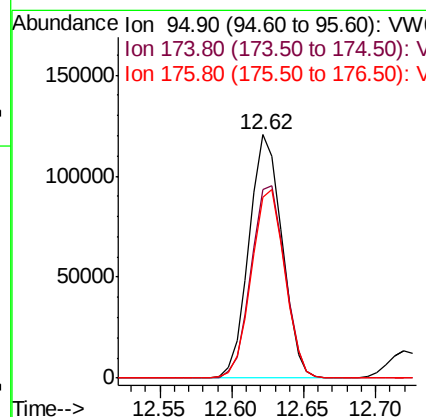
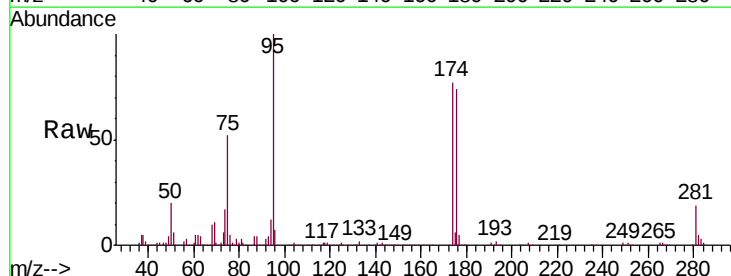
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

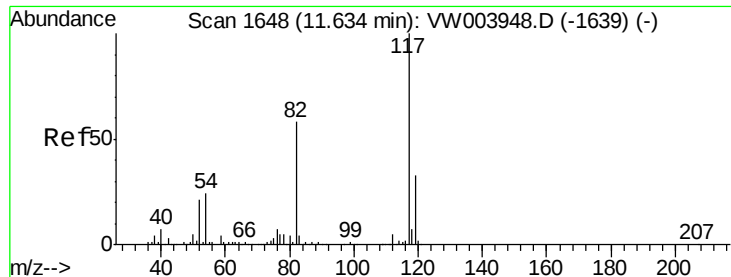
Tgt Ion: 107 Resp: 110224
 Ion Ratio Lower Upper
 107 100
 109 93.6 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 53.983 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

Tgt Ion: 95 Resp: 191076
 Ion Ratio Lower Upper
 95 100
 174 80.8 0.0 160.2
 176 78.1 0.0 155.8

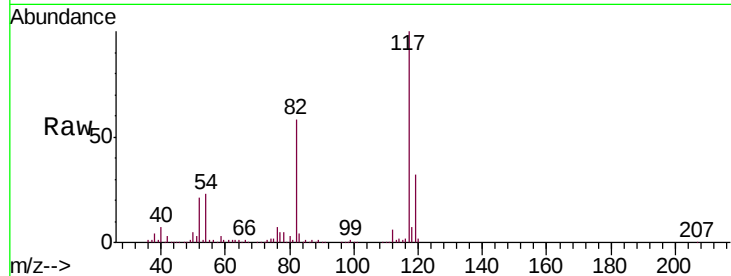




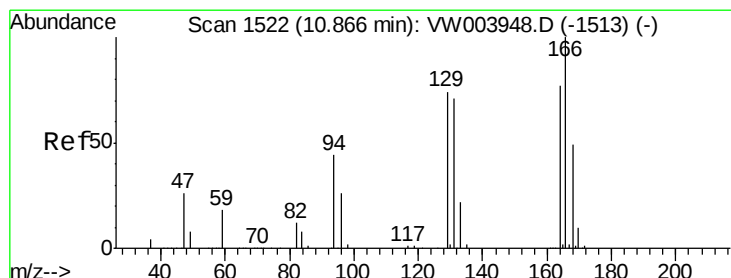
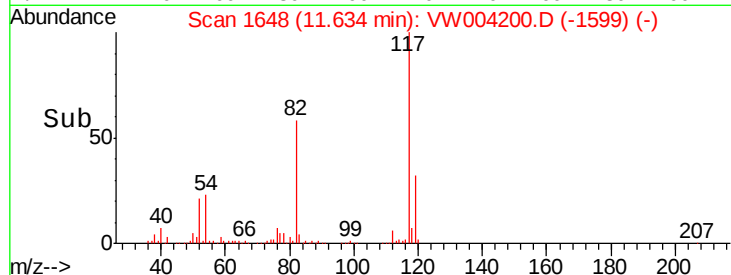
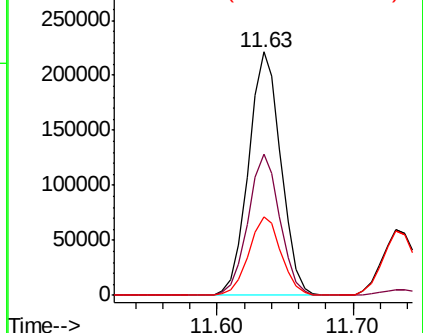
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 369314
Ion Ratio Lower Upper
117 100
82 58.1 46.5 69.7
119 32.2 26.2 39.2

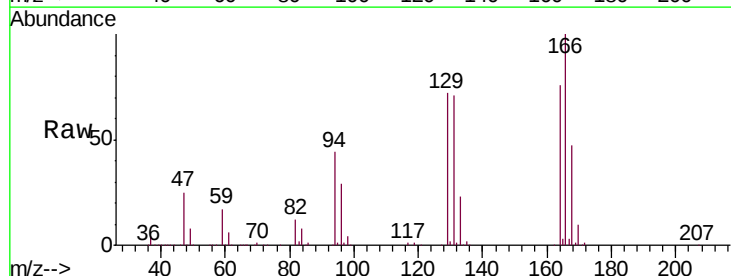


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

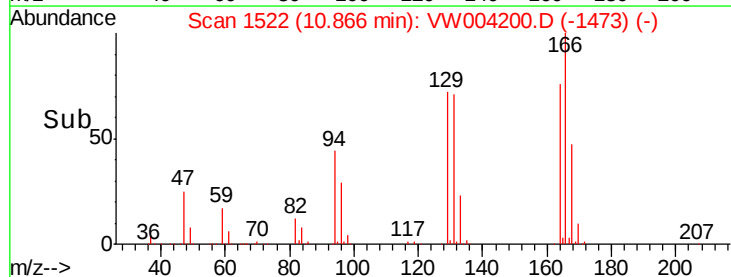
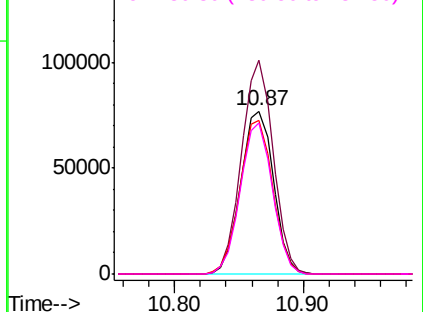


#64
Tetrachloroethene
Concen: 53.552 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

Tgt Ion:164 Resp: 135703
Ion Ratio Lower Upper
164 100
166 131.2 103.5 155.3
129 94.3 76.8 115.2
131 93.2 73.2 109.8



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

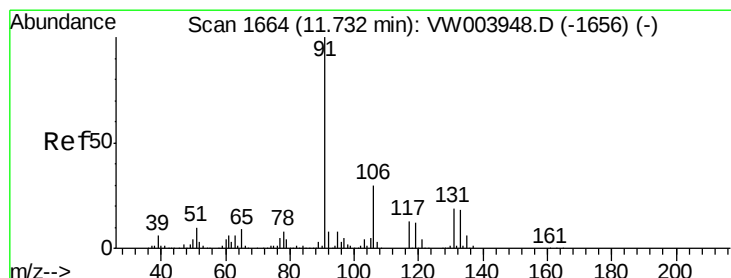
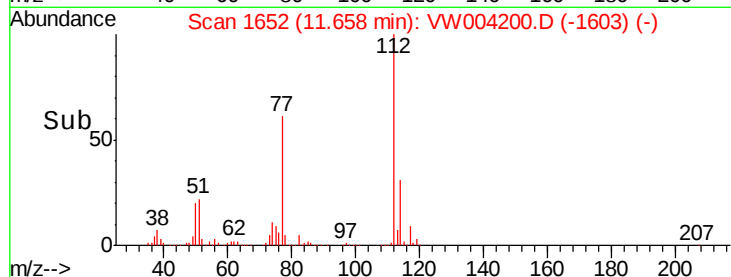
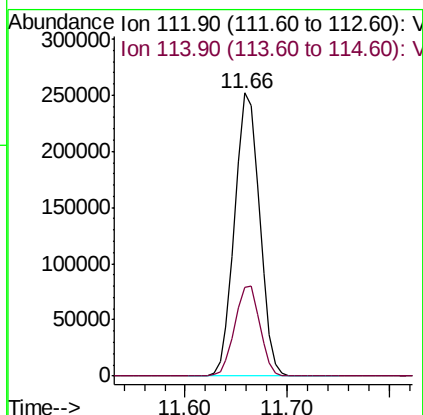
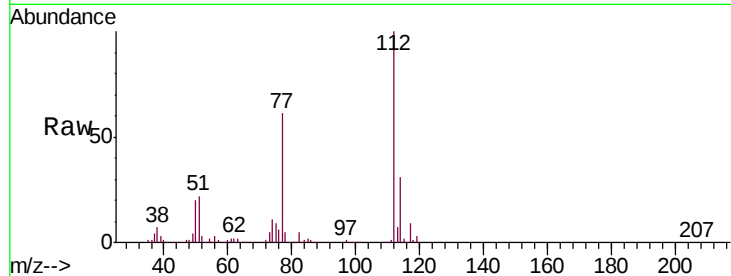




#65
Chlorobenzene
Concen: 54.154 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. -0.00 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

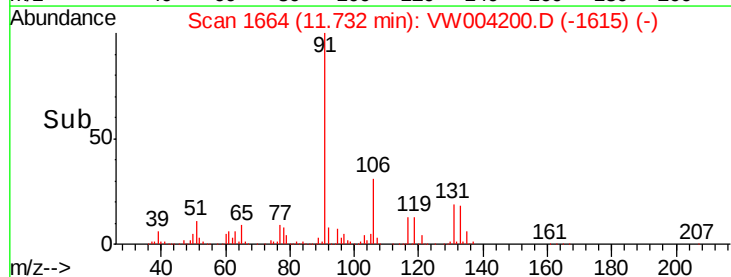
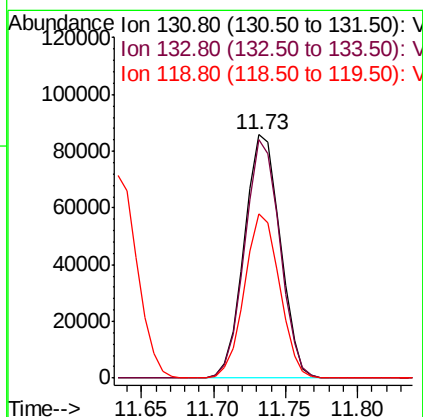
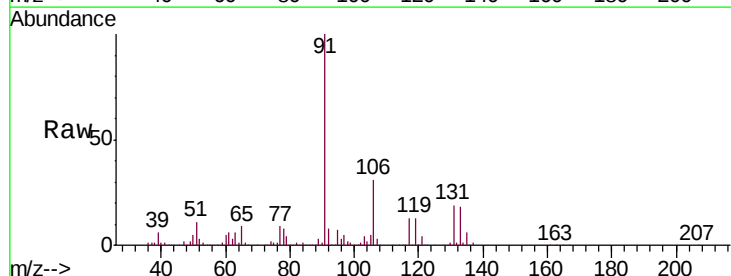
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

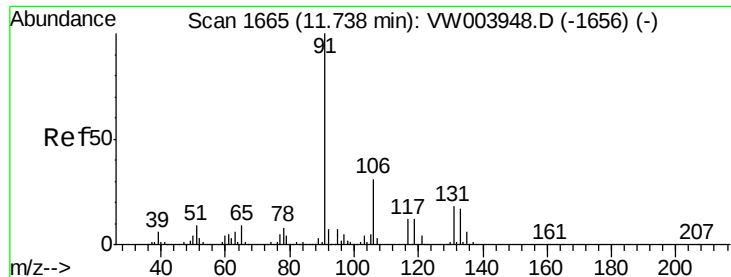
Tgt Ion:112 Resp: 425277
Ion Ratio Lower Upper
112 100
114 31.4 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 54.306 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

Tgt Ion:131 Resp: 148200
Ion Ratio Lower Upper
131 100
133 95.7 47.9 143.8
119 66.1 32.5 97.5

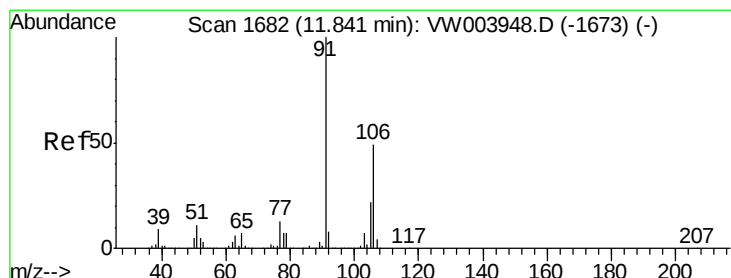
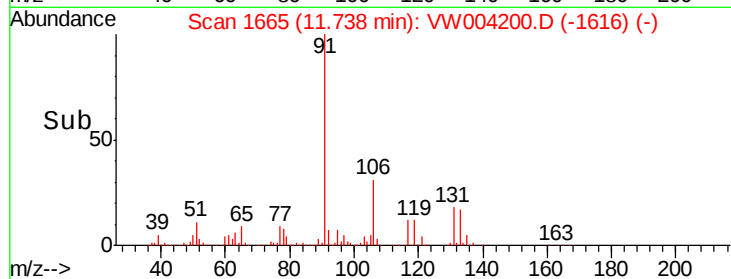
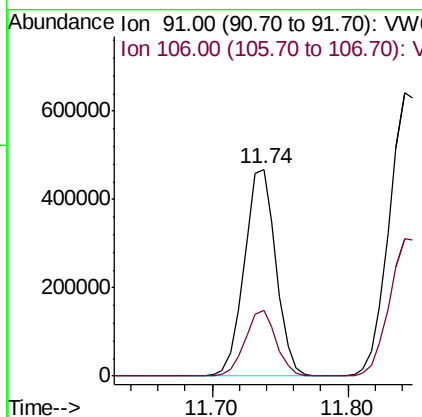
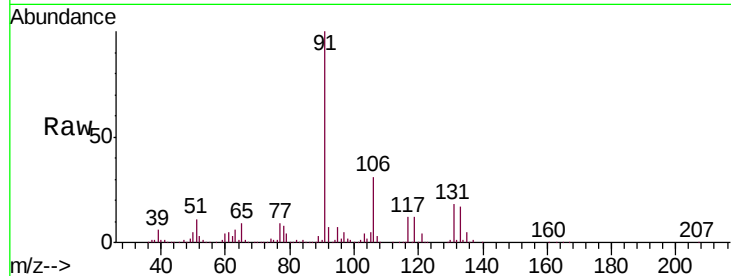




#67
Ethyl Benzene
Concen: 55.321 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

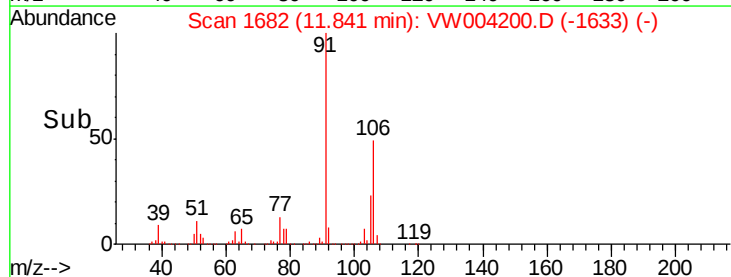
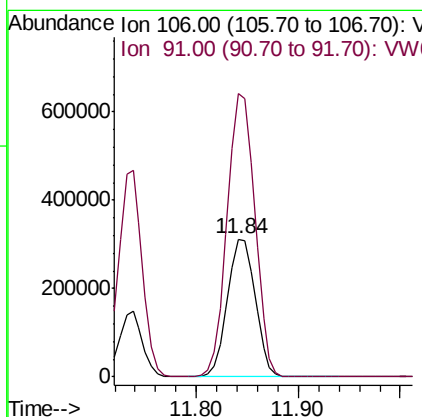
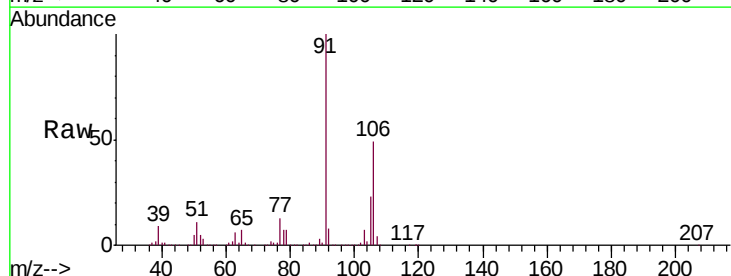
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

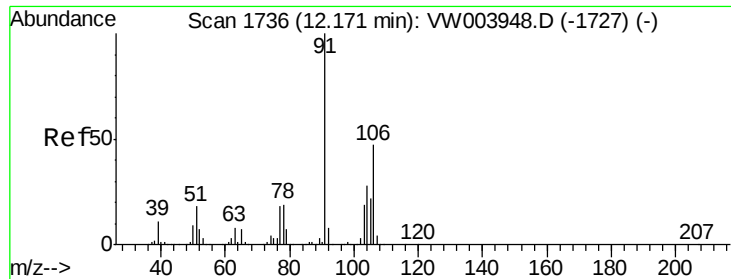
Tgt Ion: 91 Resp: 763164
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.4



#68
m/p-Xylenes
Concen: 111.616 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

Tgt Ion: 106 Resp: 588507
Ion Ratio Lower Upper
106 100
91 205.5 164.2 246.2

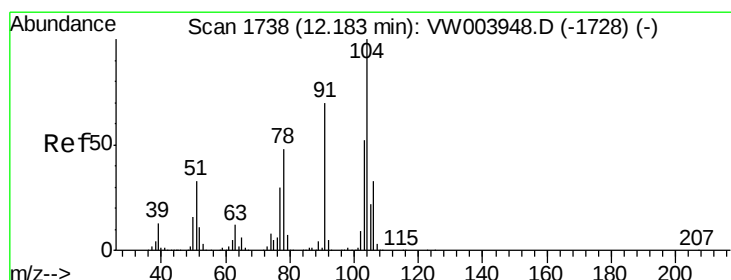
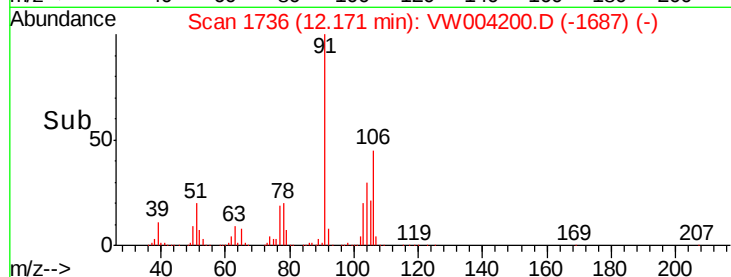
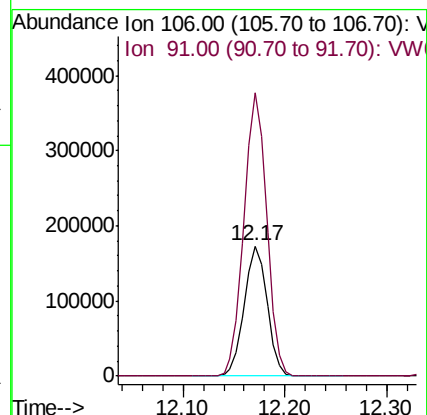
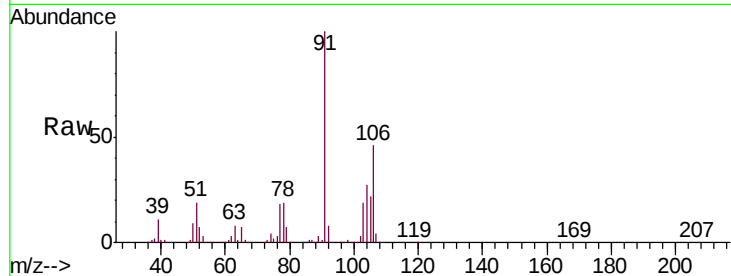




#69
o-Xylene
Concen: 54.975 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

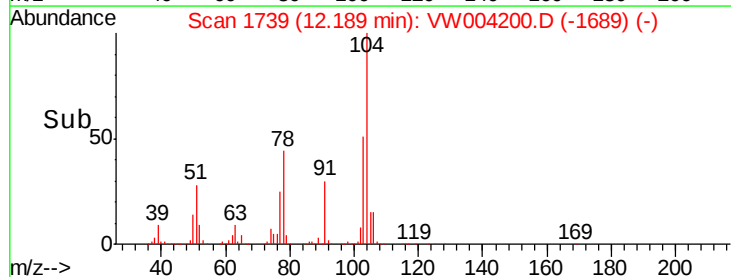
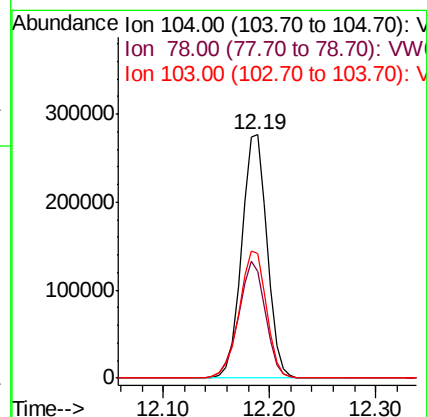
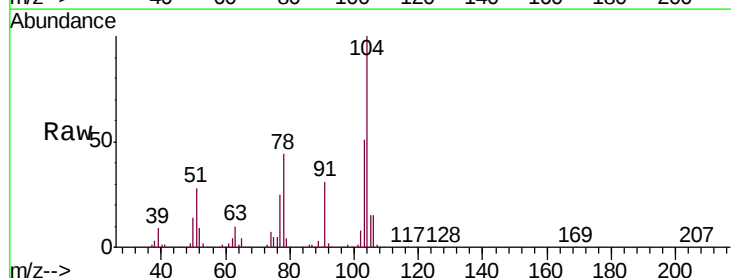
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

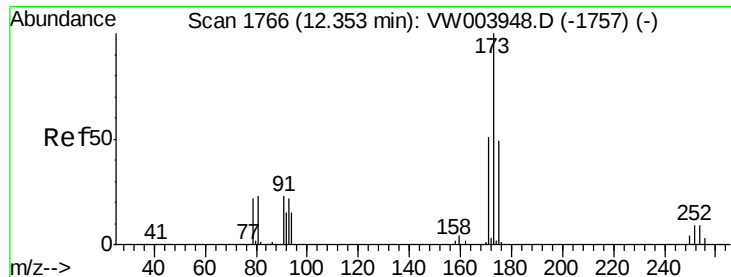
Tgt Ion:106 Resp: 268880
Ion Ratio Lower Upper
106 100
91 217.0 107.5 322.6



#70
Styrene
Concen: 56.726 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

Tgt Ion:104 Resp: 463409
Ion Ratio Lower Upper
104 100
78 50.8 41.0 61.4
103 55.8 44.6 67.0





#71

Bromoform

Concen: 53.137 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

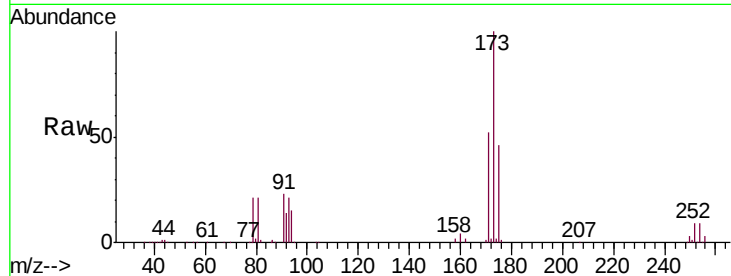
Tgt Ion:173 Resp: 81872

Ion Ratio Lower Upper

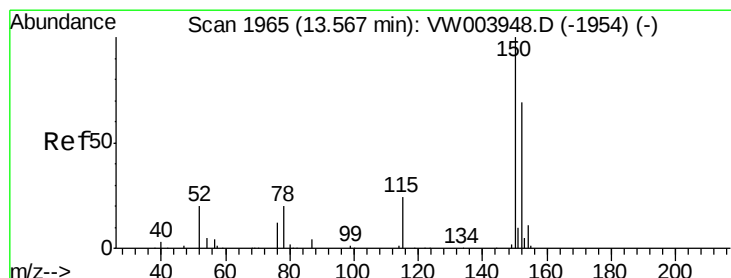
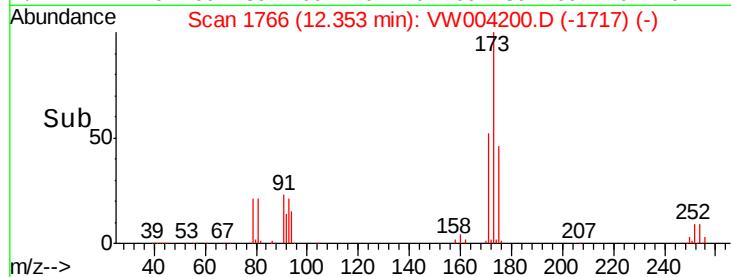
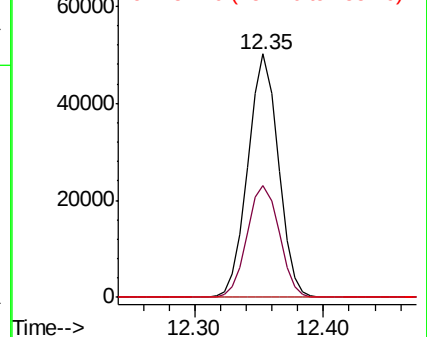
173 100

175 48.2 24.4 73.2

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

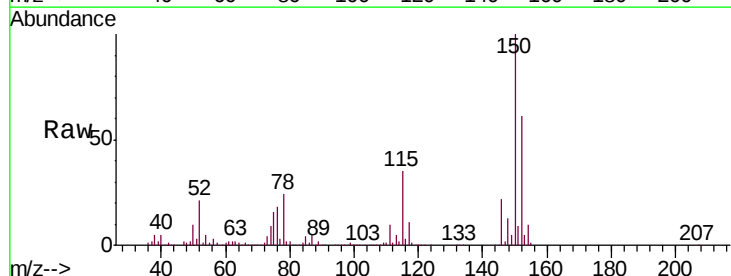
Tgt Ion:152 Resp: 196626

Ion Ratio Lower Upper

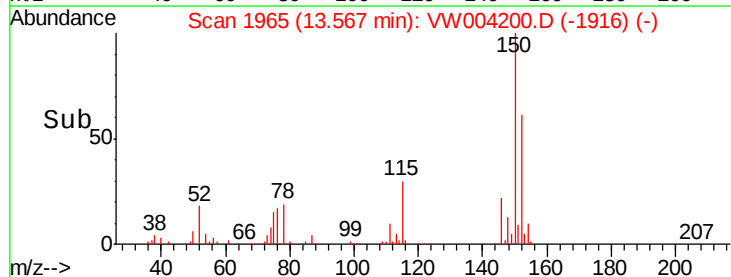
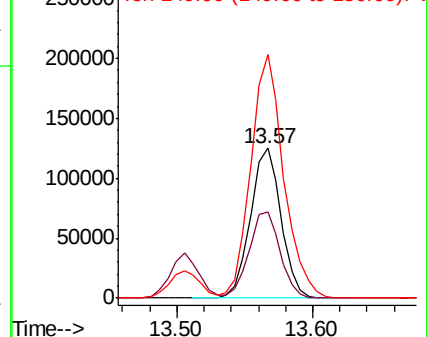
152 100

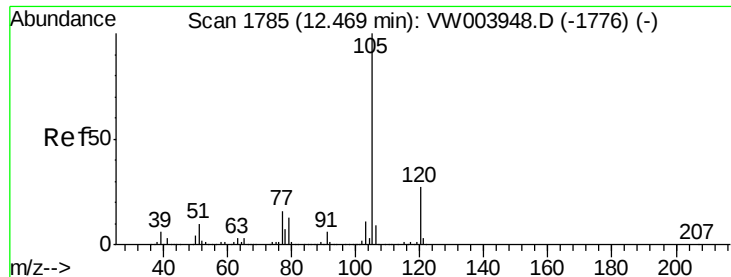
115 58.2 29.2 87.6

150 174.9 0.0 345.2



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





#73

Isopropylbenzene

Concen: 53.749 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

Instrument :

MSVOA_W

ClientSampled :

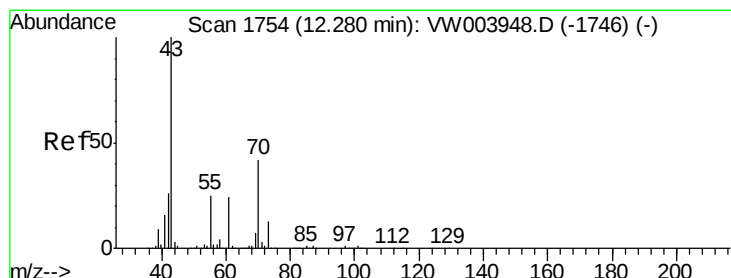
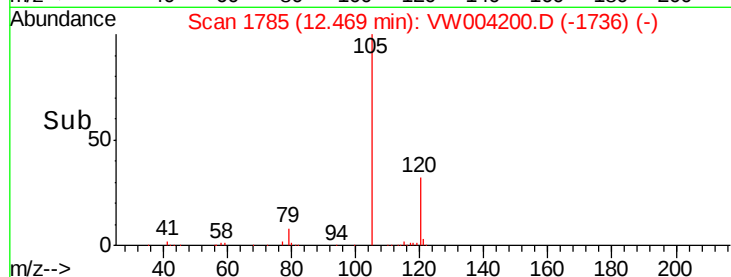
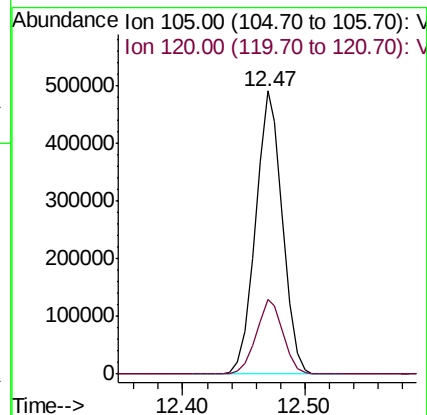
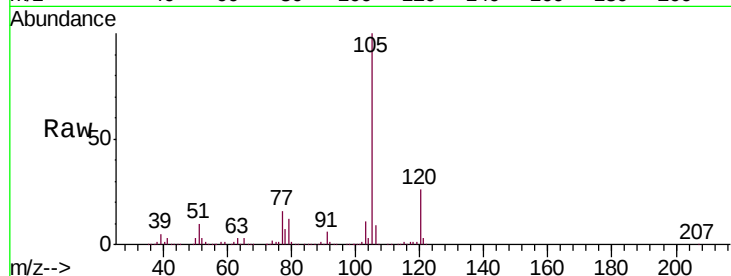
VSTDCCC050

Tgt Ion:105 Resp: 746785

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.6



#74

N-ethyl acetate

Concen: 51.706 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

Tgt Ion: 43 Resp: 187189

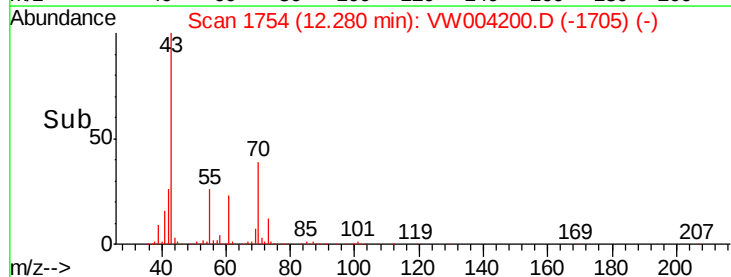
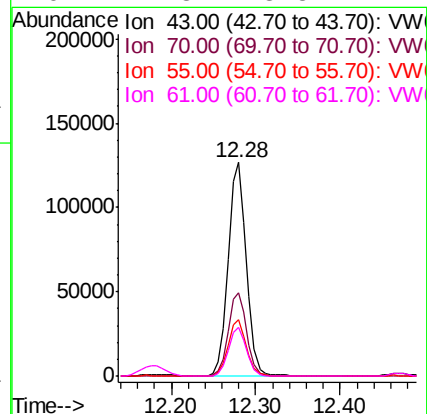
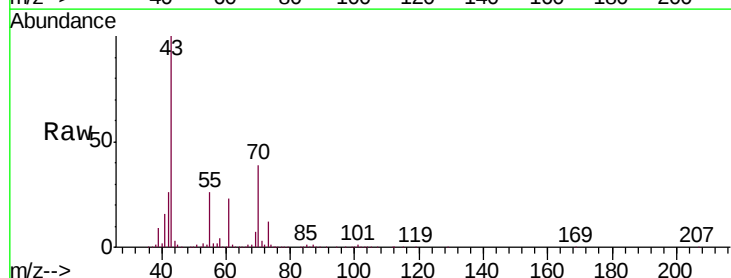
Ion Ratio Lower Upper

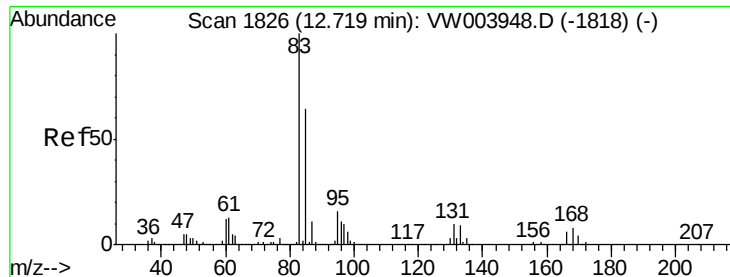
43 100

70 39.5 31.6 47.4

55 26.6 20.0 30.0

61 22.8 18.5 27.7

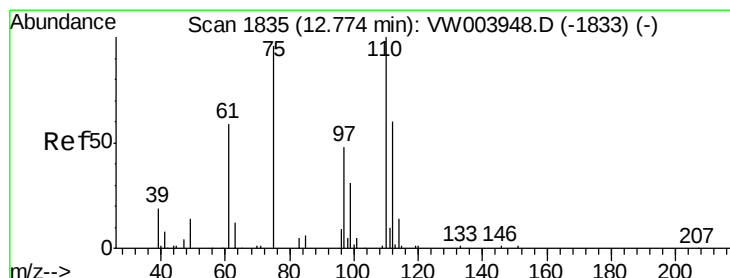
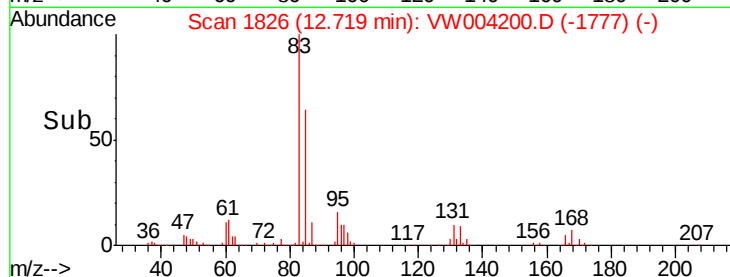
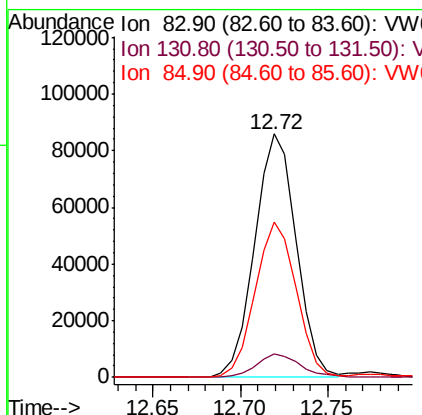
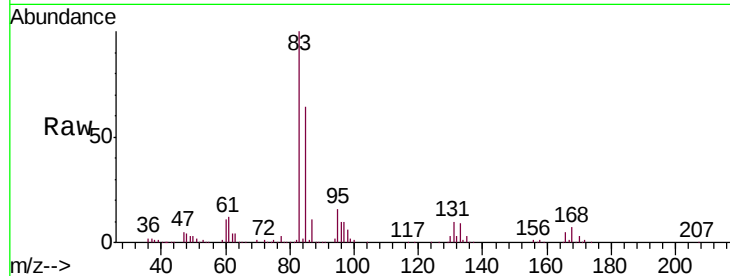




#75
 1,1,2,2-Tetrachloroethane
 Concen: 52.594 ug/l
 RT: 12.72 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

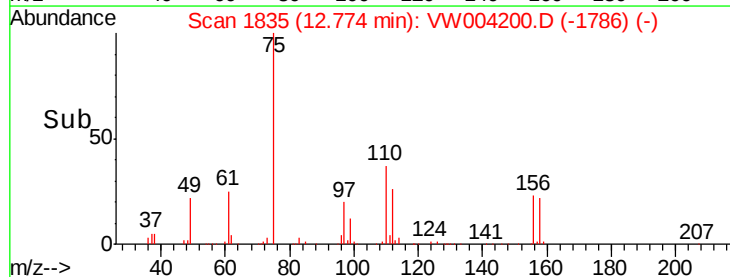
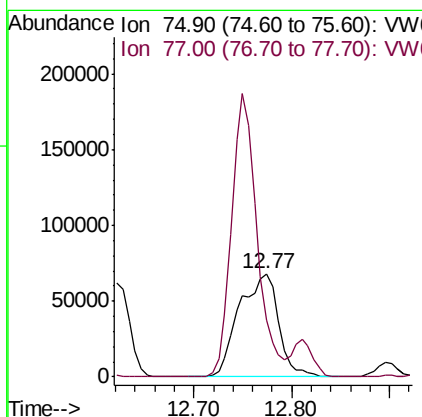
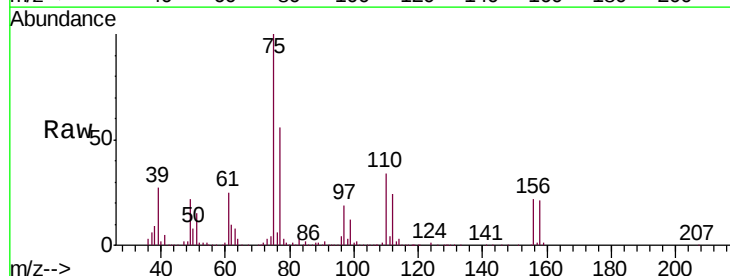
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

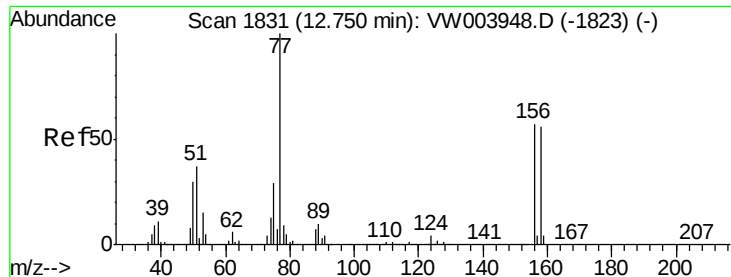
Tgt Ion: 83 Resp: 141321
 Ion Ratio Lower Upper
 83 100
 131 10.2 5.3 15.8
 85 63.4 32.2 96.6



#76
 1,2,3-Trichloropropane
 Concen: 97.463 ug/l
 RT: 12.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

Tgt Ion: 75 Resp: 190253
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.511 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

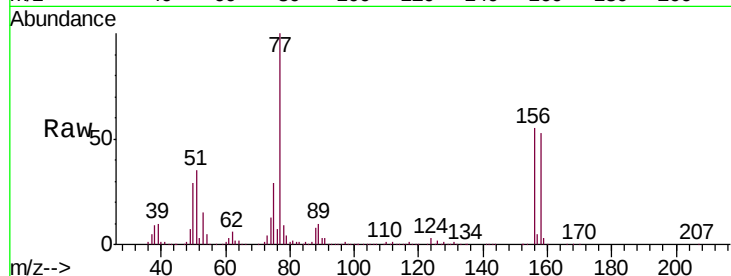
Tgt Ion:156 Resp: 171254

Ion Ratio Lower Upper

156 100

77 198.1 96.2 288.6

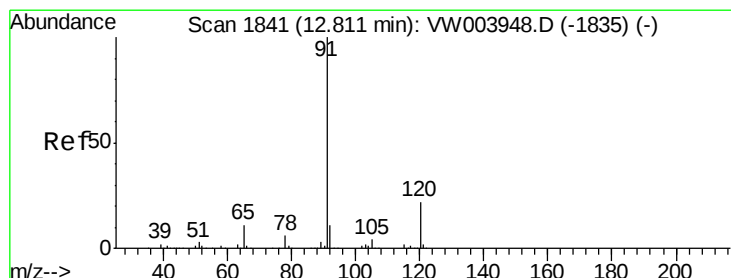
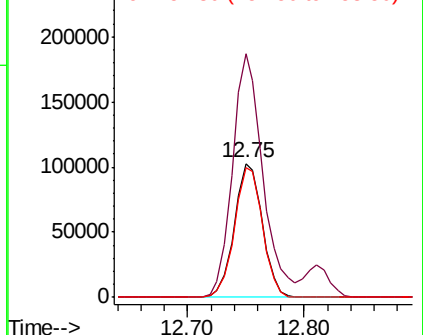
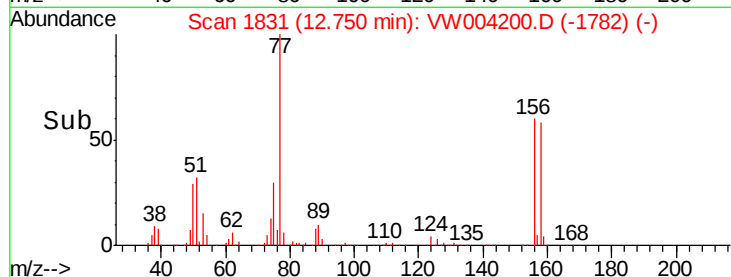
158 97.3 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.077 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW004200.D

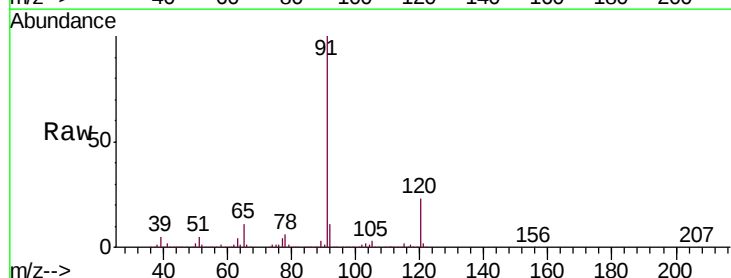
Acq: 25 Jul 2018 17:37

Tgt Ion: 91 Resp: 938819

Ion Ratio Lower Upper

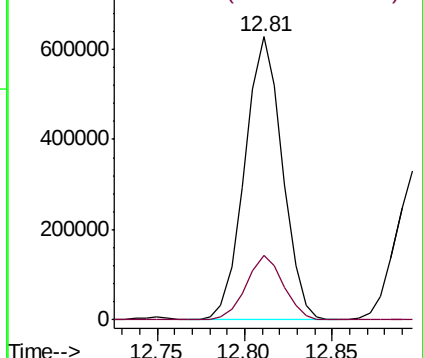
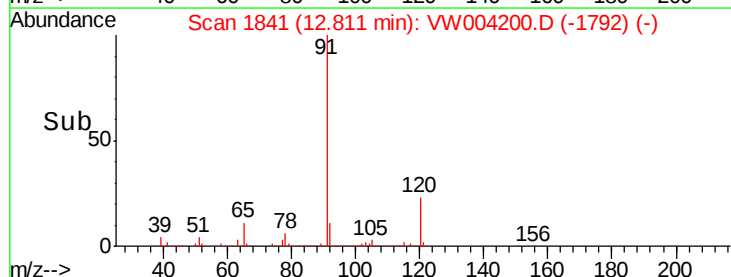
91 100

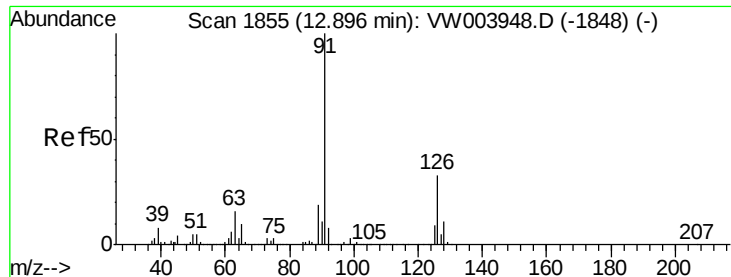
120 22.4 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.192 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

Instrument :

MSVOA_W

ClientSampleId :

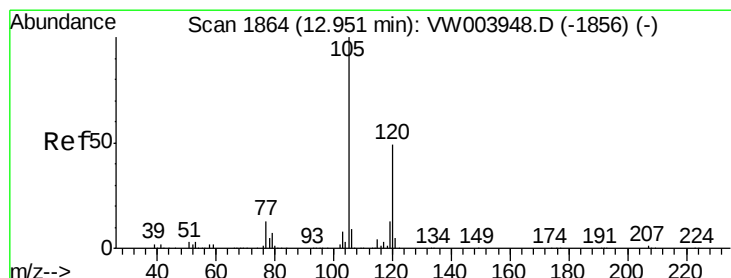
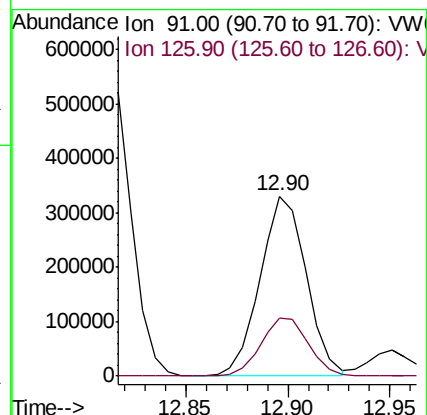
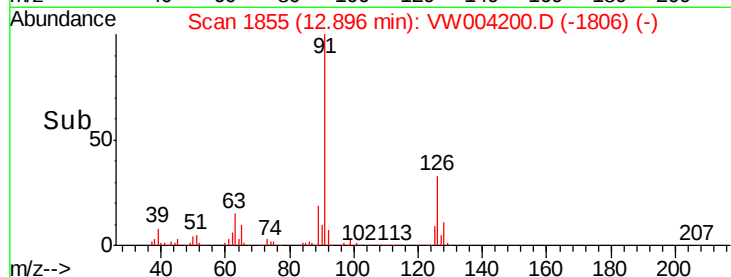
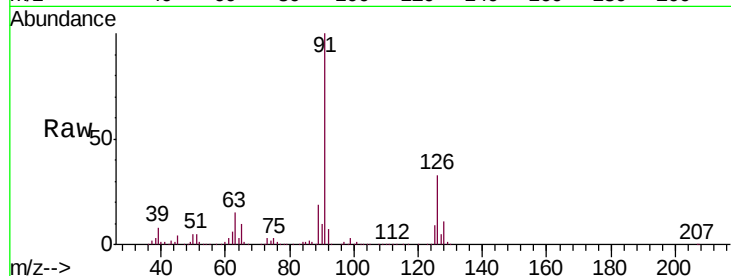
VSTDCCC050

Tgt Ion: 91 Resp: 520985

Ion Ratio Lower Upper

91 100

126 33.3 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 54.877 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW004200.D

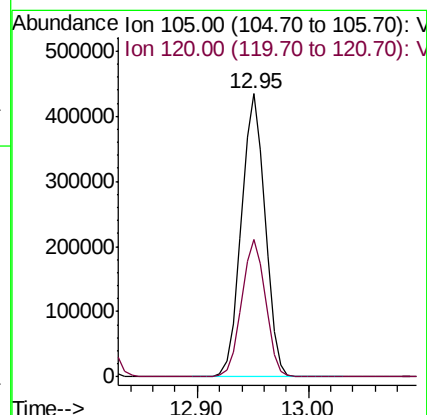
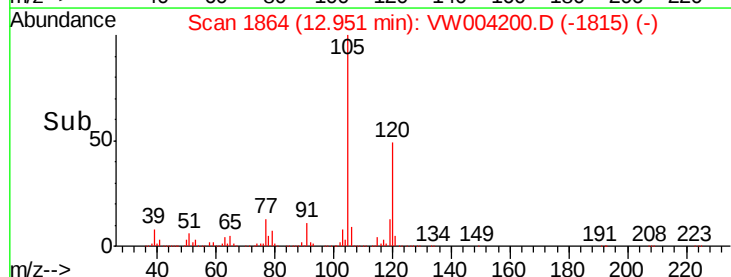
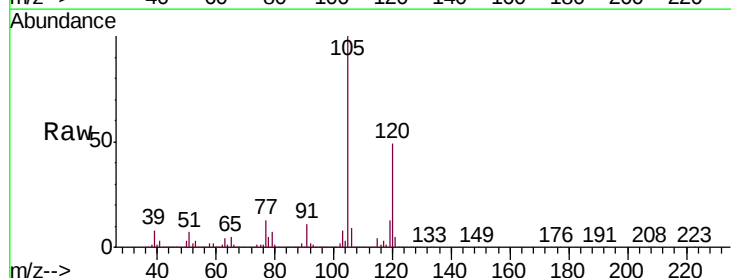
Acq: 25 Jul 2018 17:37

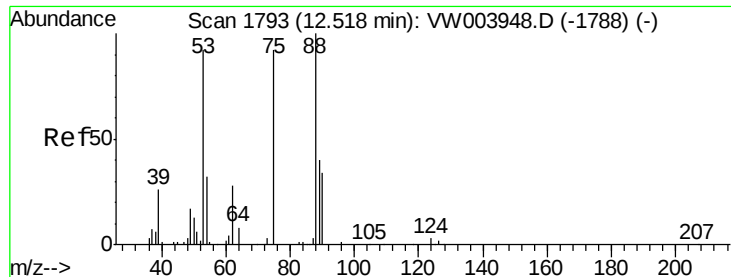
Tgt Ion: 105 Resp: 641643

Ion Ratio Lower Upper

105 100

120 48.7 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 51.211 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

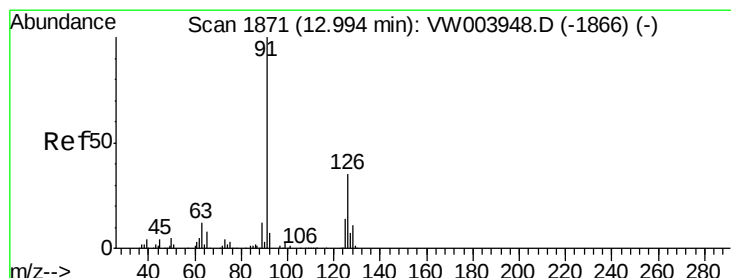
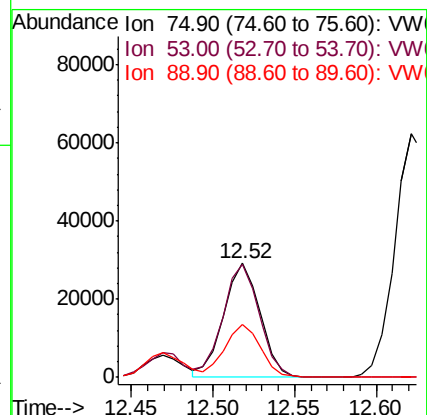
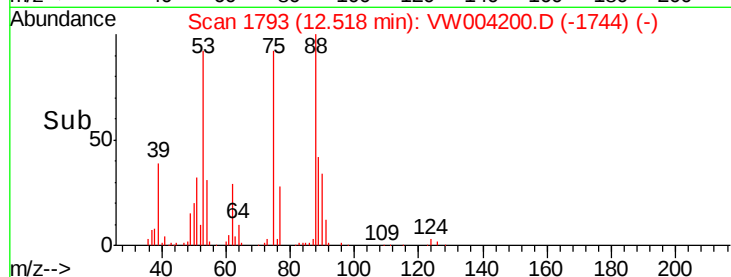
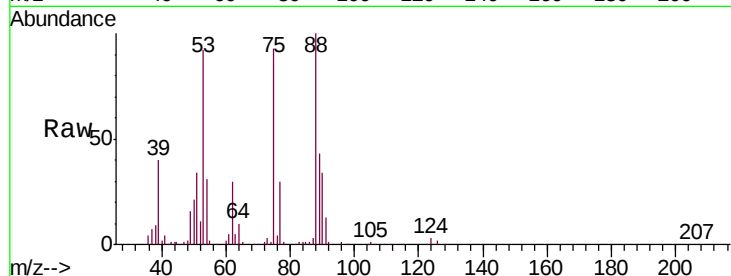
Tgt Ion: 75 Resp: 45193

Ion Ratio Lower Upper

75 100

53 100.2 77.6 116.4

89 45.5 36.6 54.8



#82

4-Chlorotoluene

Concen: 53.378 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW004200.D

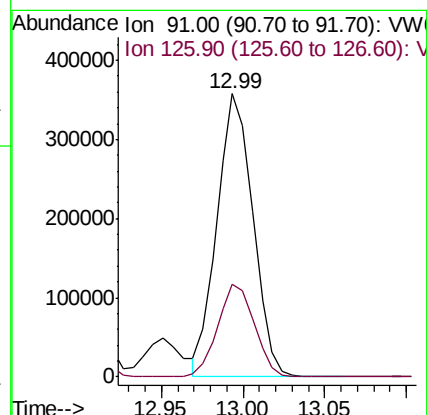
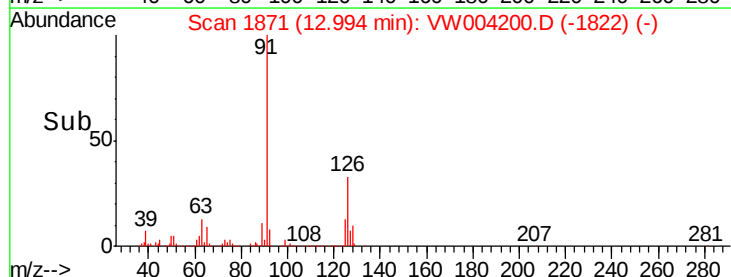
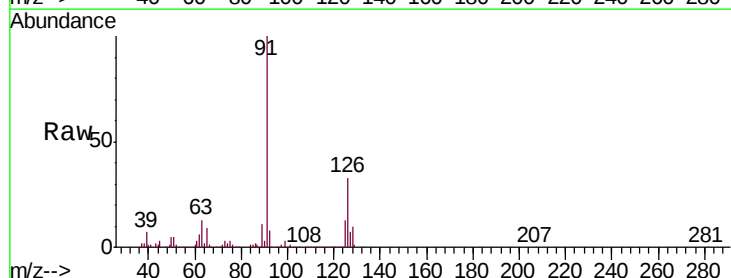
Acq: 25 Jul 2018 17:37

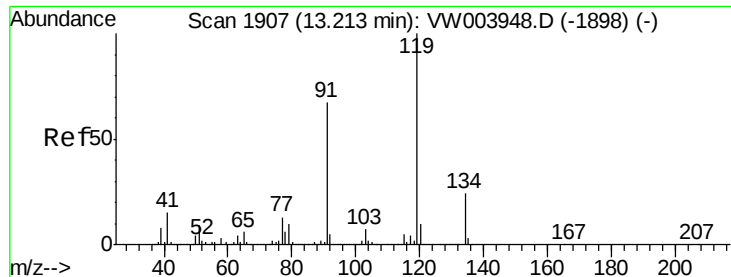
Tgt Ion: 91 Resp: 550701

Ion Ratio Lower Upper

91 100

126 33.4 16.7 50.0

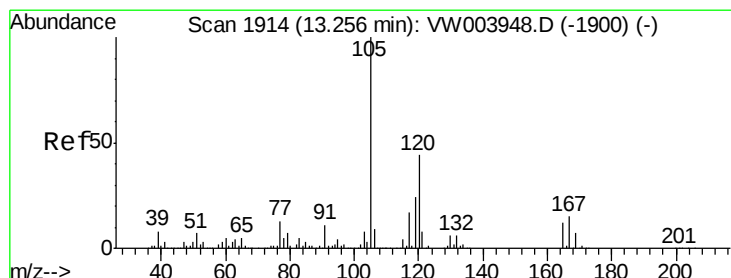
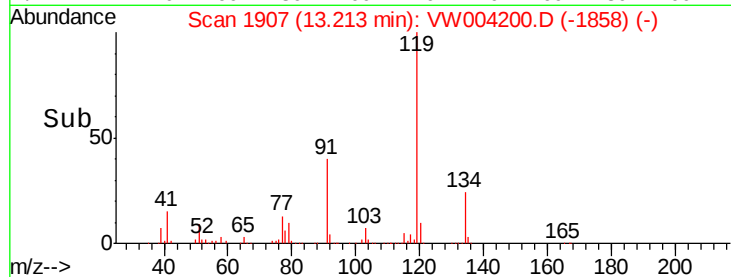
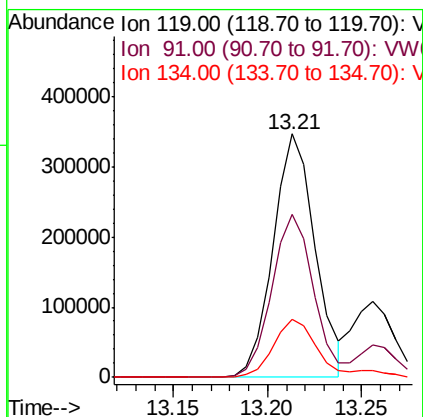
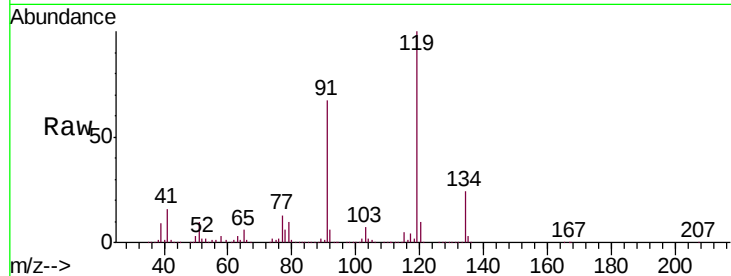




#83
 tert-Butylbenzene
 Concen: 54.525 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

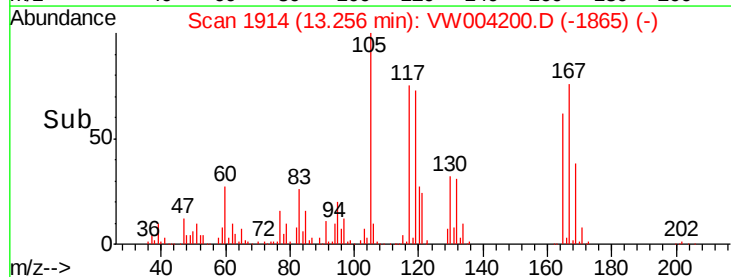
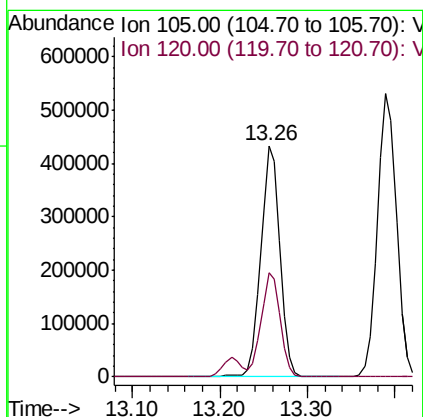
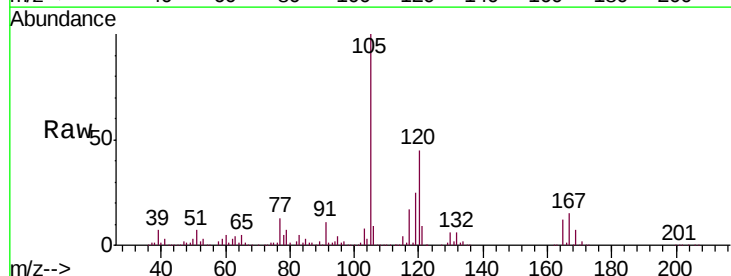
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

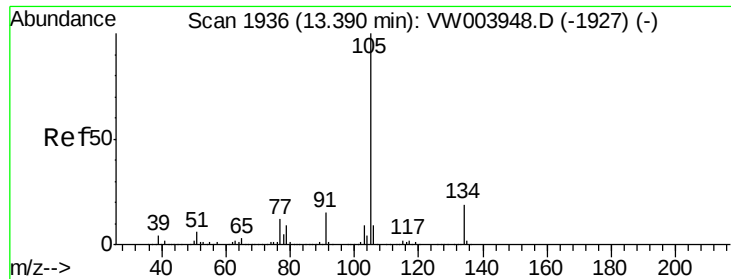
Tgt Ion:119 Resp: 535253
 Ion Ratio Lower Upper
 119 100
 91 67.6 33.2 99.6
 134 24.2 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 54.860 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

Tgt Ion:105 Resp: 659952
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.1 66.1

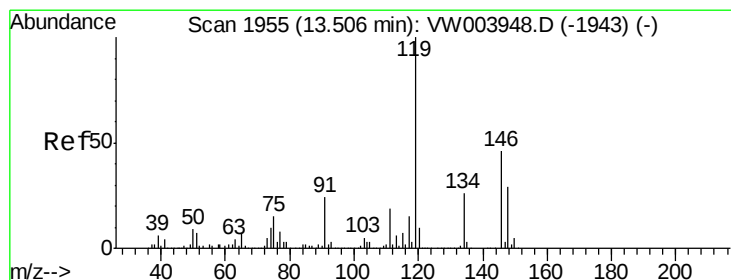
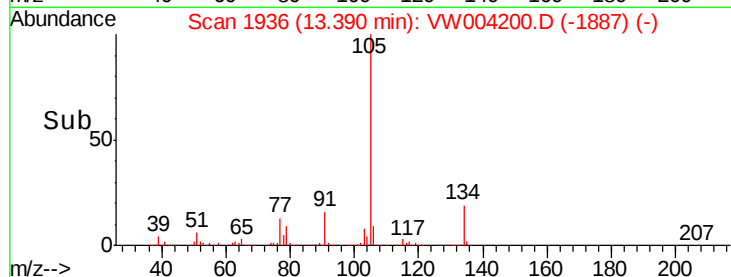
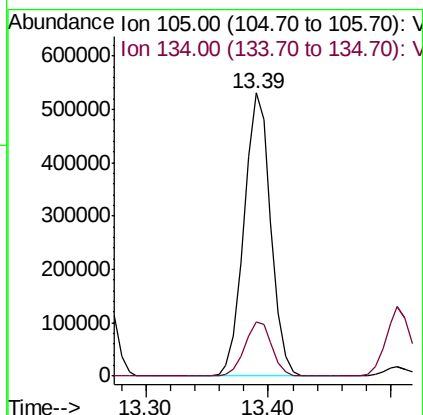
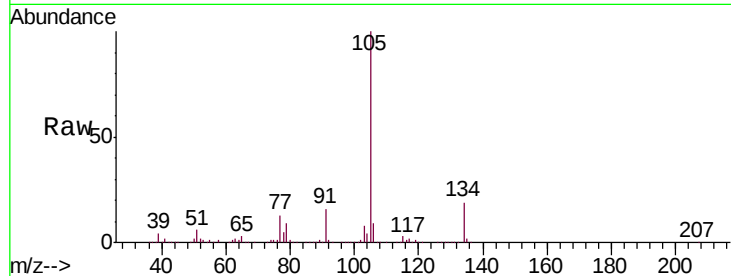




#85
 sec-Butylbenzene
 Concen: 54.897 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

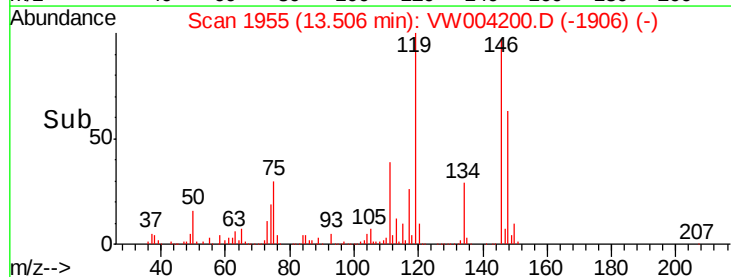
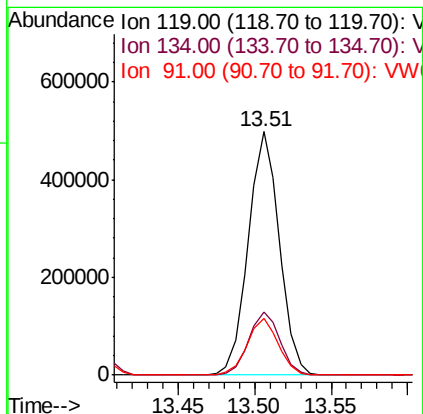
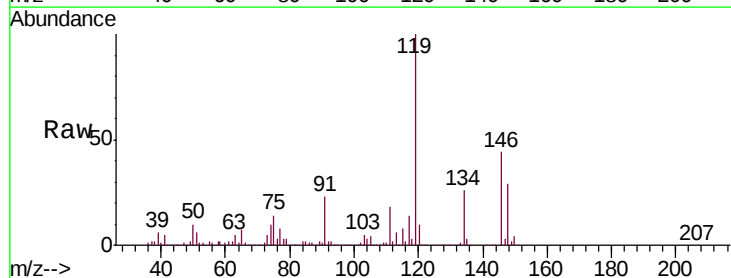
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

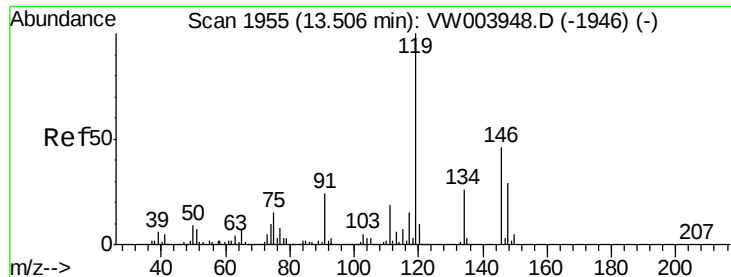
Tgt Ion:105 Resp: 799603
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 55.033 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

Tgt Ion:119 Resp: 703100
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.0 38.9
 91 23.3 11.8 35.3

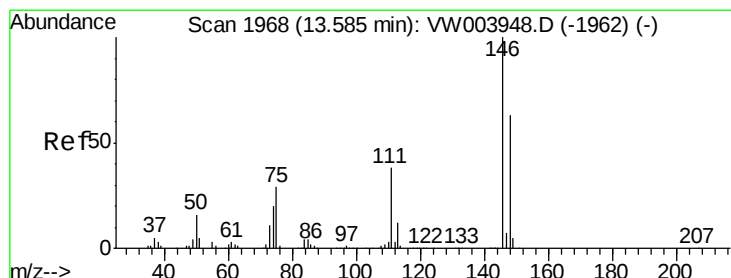
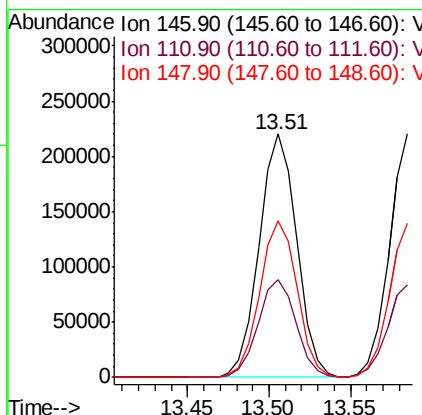
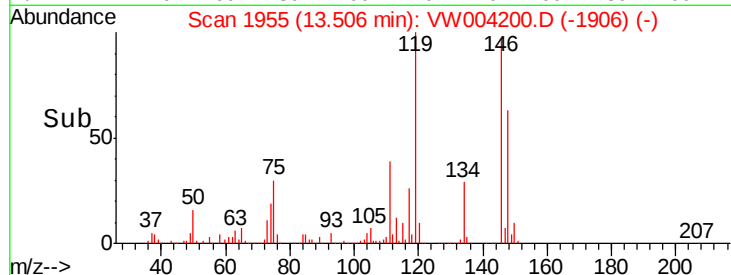
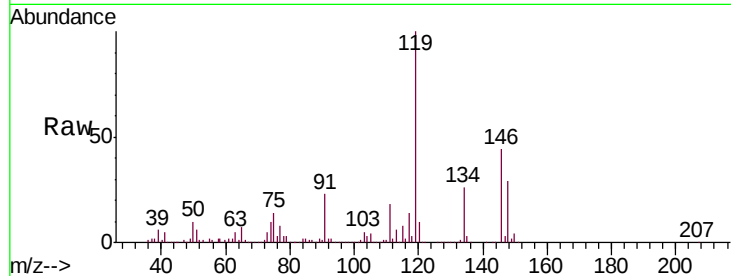




#87
 1,3-Dichlorobenzene
 Concen: 53.105 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

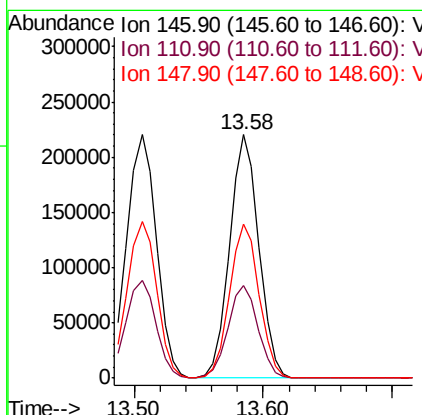
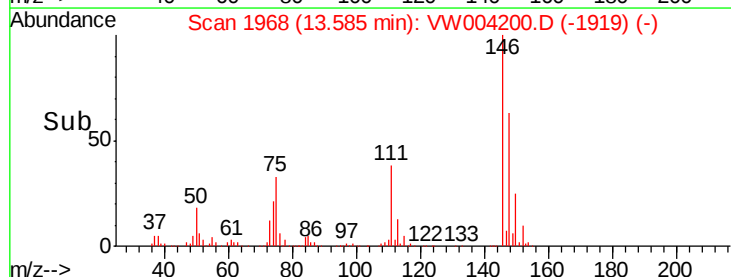
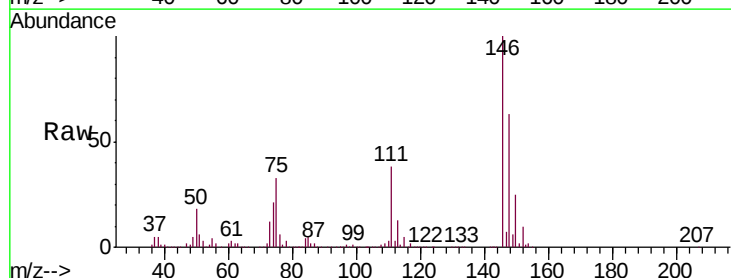
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

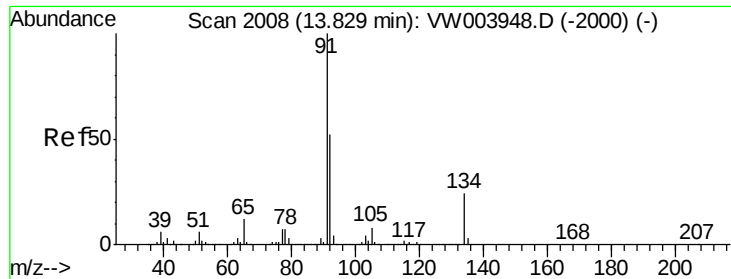
Tgt Ion:146 Resp: 352630
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.9 59.6
 148 64.1 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 52.285 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

Tgt Ion:146 Resp: 348189
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.6 58.7
 148 63.7 32.3 96.8





#89

n-Butylbenzene

Concen: 55.309 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VW004200.D

Acq: 25 Jul 2018 17:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

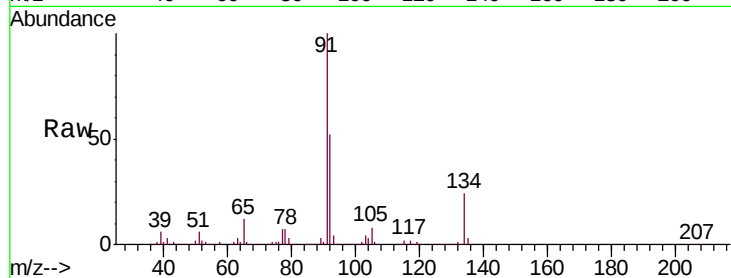
Tgt Ion: 91 Resp: 694644

Ion Ratio Lower Upper

91 100

92 52.0 26.1 78.3

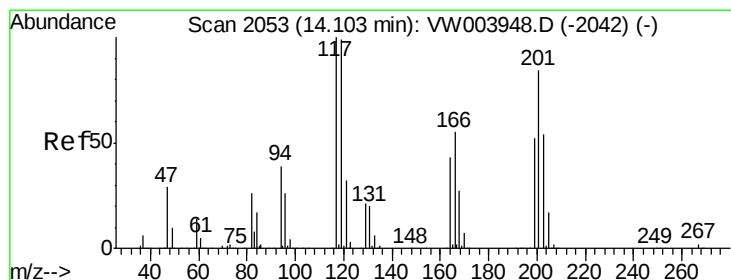
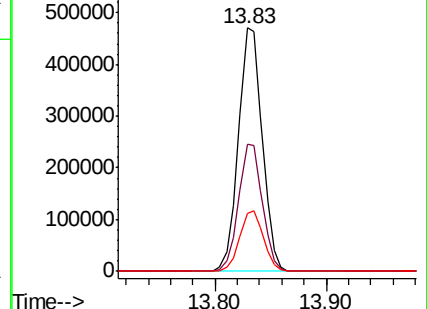
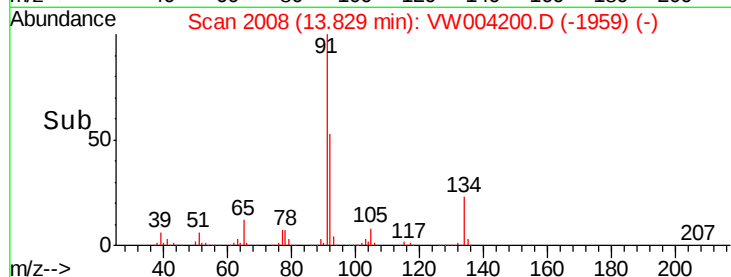
134 24.7 12.4 37.4



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: 53.295 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VW004200.D

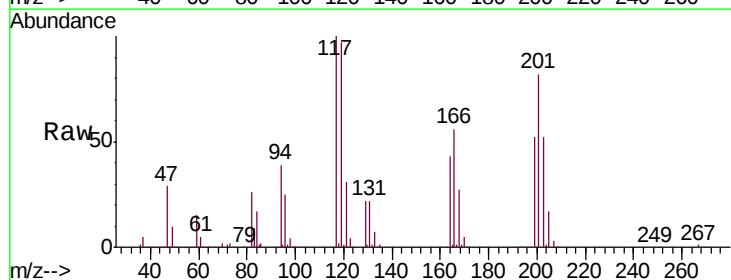
Acq: 25 Jul 2018 17:37

Tgt Ion: 117 Resp: 125514

Ion Ratio Lower Upper

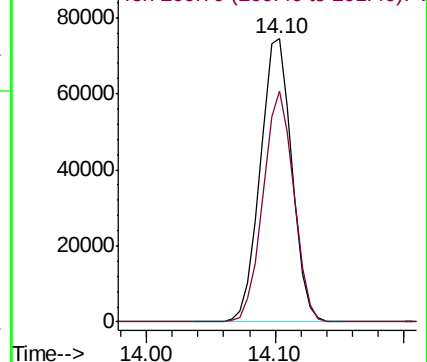
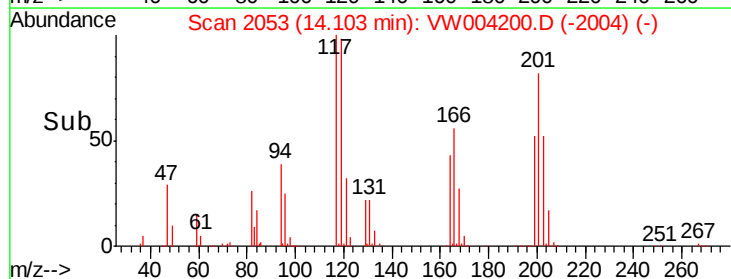
117 100

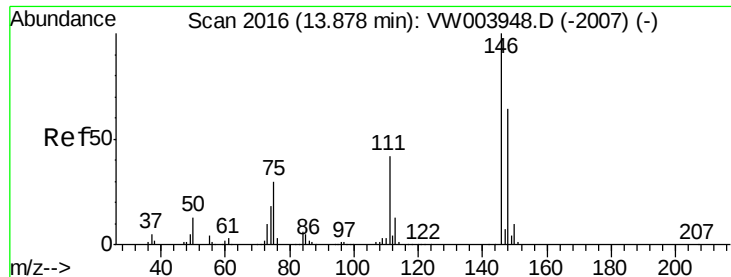
201 79.6 40.3 120.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

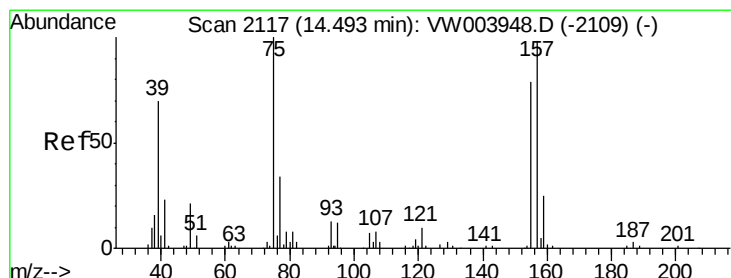
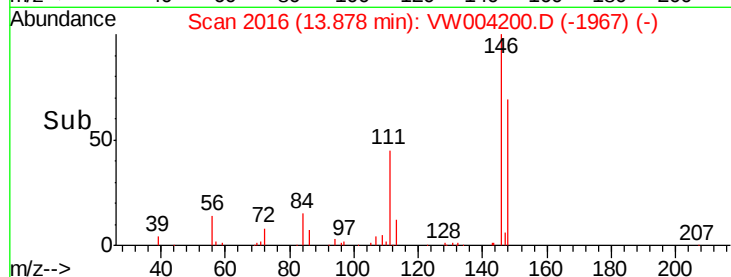
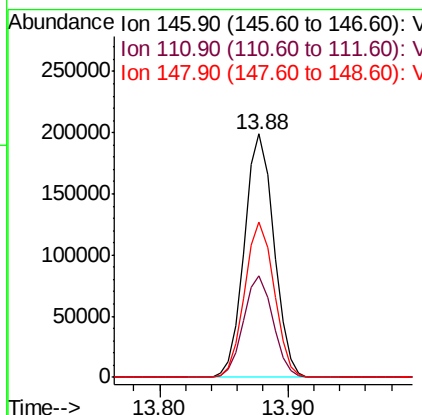
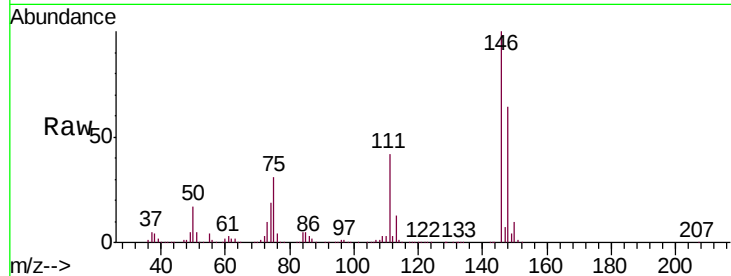




#91
 1,2-Dichlorobenzene
 Concen: 53.182 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

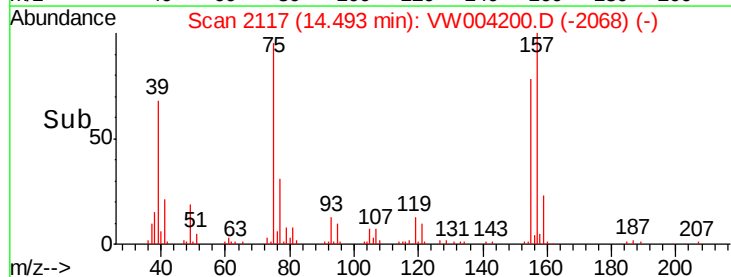
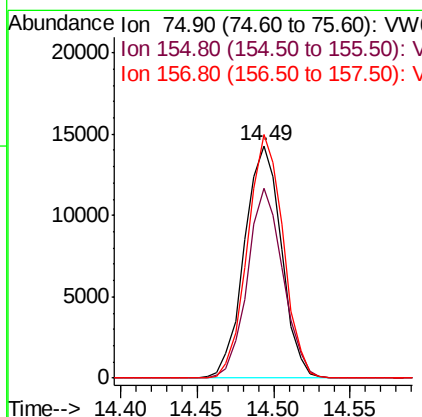
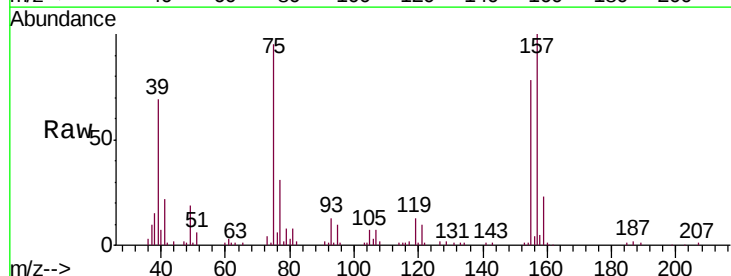
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

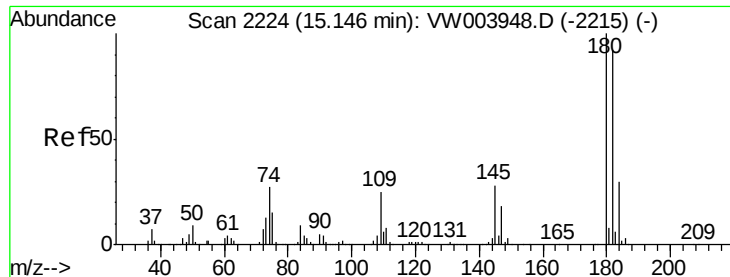
Tgt Ion:146 Resp: 314633
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.7 62.1
 148 63.9 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.326 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

Tgt Ion: 75 Resp: 24046
 Ion Ratio Lower Upper
 75 100
 155 78.0 39.4 118.1
 157 100.7 51.8 155.4

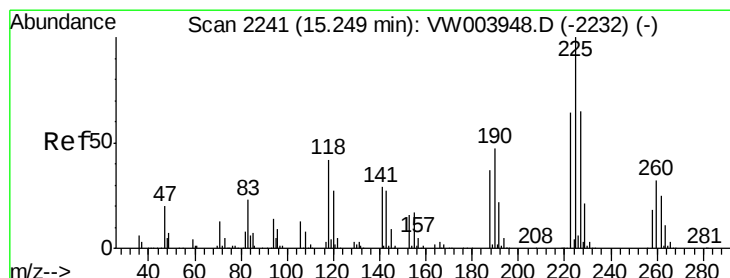
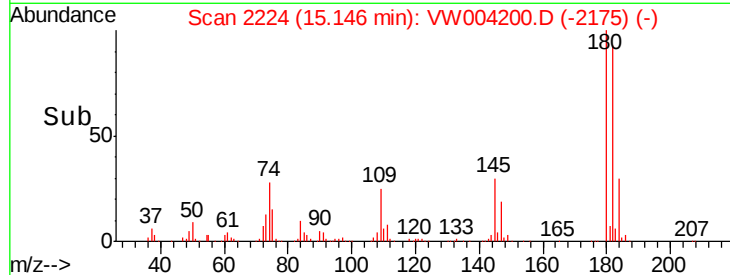
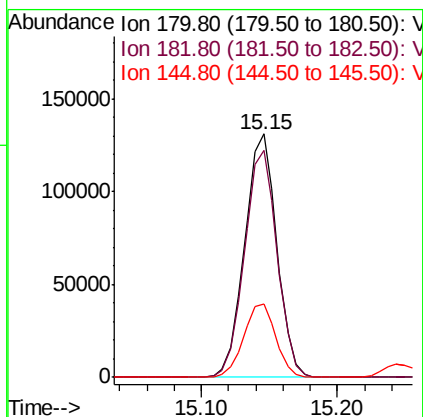
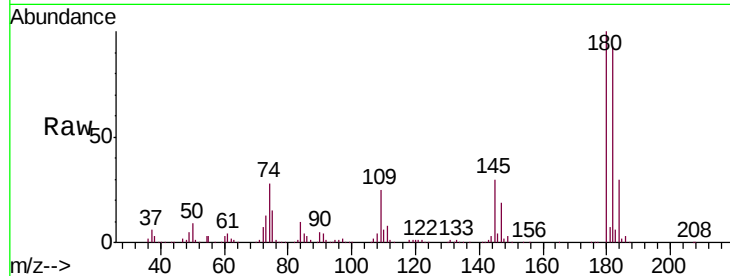




#93
 1,2,4-Trichlorobenzene
 Concen: 52.186 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

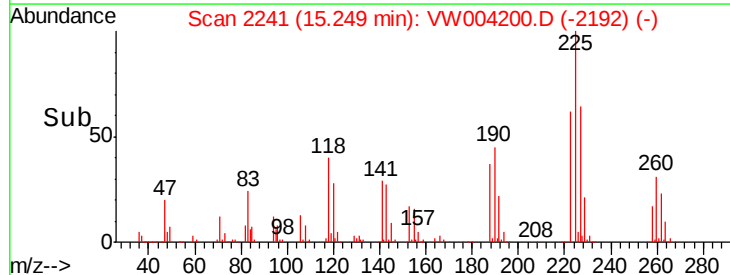
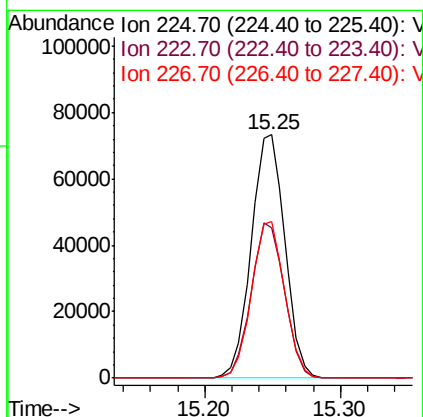
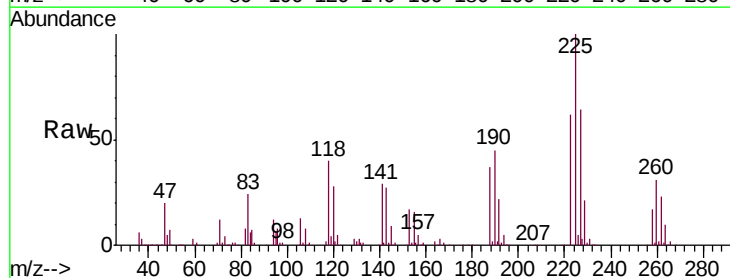
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

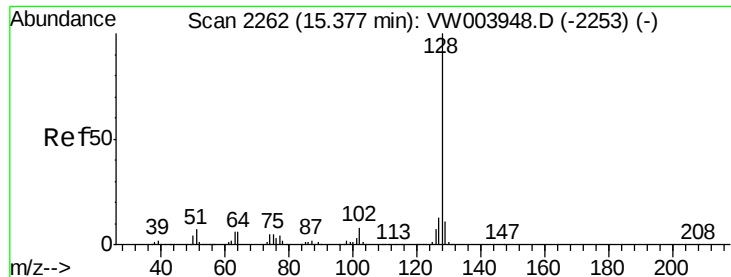
Tgt Ion:180 Resp: 216836
 Ion Ratio Lower Upper
 180 100
 182 94.4 46.9 140.8
 145 30.3 15.0 45.0



#94
 Hexachlorobutadiene
 Concen: 53.292 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW004200.D
 Acq: 25 Jul 2018 17:37

Tgt Ion:225 Resp: 127151
 Ion Ratio Lower Upper
 225 100
 223 63.0 32.0 96.2
 227 63.4 32.3 96.9

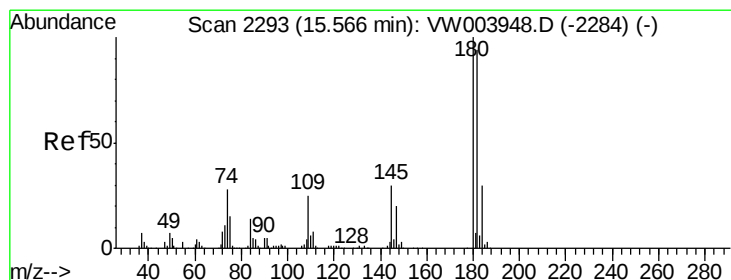
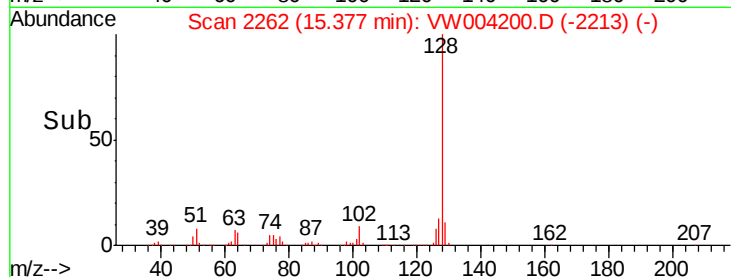
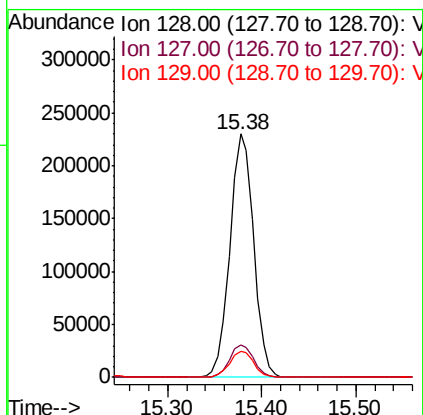
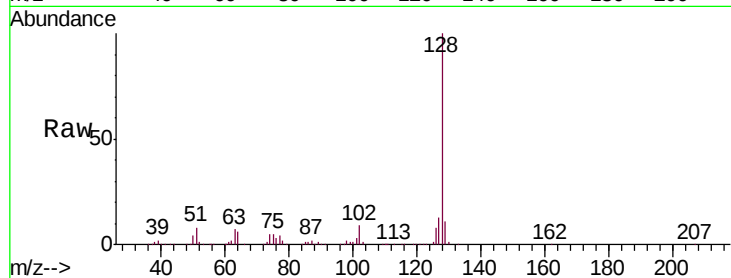




#95
Naphthalene
Concen: 52.332 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 401341
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 52.350 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW004200.D
Acq: 25 Jul 2018 17:37

Tgt Ion:180 Resp: 192581
Ion Ratio Lower Upper
180 100
182 95.1 47.5 142.6
145 31.9 15.8 47.4

