

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120418\
 Data File : VW007203.D
 Acq On : 04 Dec 2018 23:44
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 05 07:23:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 04 14:18:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	104435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	169945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	157638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	78678	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	52840	54.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.68%	
35) Dibromofluoromethane	7.89	113	50596	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
50) Toluene-d8	10.33	98	222700	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
62) 4-Bromofluorobenzene	12.62	95	85050	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	48480	42.429	ug/l 100
3) Chloromethane	2.22	50	62418	43.137	ug/l 98
4) Vinyl Chloride	2.36	62	41621	45.941	ug/l 100
5) Bromomethane	2.76	94	25014	55.099	ug/l 98
6) Chloroethane	2.92	64	24569	48.333	ug/l 96
7) Trichlorofluoromethane	3.26	101	79037	44.747	ug/l 100
8) Diethyl Ether	3.68	74	24594	49.953	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	48009	44.994	ug/l 99
10) Methyl Iodide	4.28	142	44224	48.654	ug/l 100
11) Tert butyl alcohol	5.17	59	25179	273.039	ug/l 99
12) 1,1-Dichloroethene	4.04	96	45410	45.413	ug/l 99
13) Acrolein	3.90	56	19845	291.278	ug/l 99
14) Allyl chloride	4.68	41	75205	46.921	ug/l 99
15) Acrylonitrile	5.38	53	56729	275.617	ug/l 99
16) Acetone	4.13	43	51888	225.419	ug/l 99
17) Carbon Disulfide	4.38	76	153939	46.704	ug/l 99
18) Methyl Acetate	4.68	43	27435	52.216	ug/l 99
19) Methyl tert-butyl Ether	5.43	73	122657	52.100	ug/l 99
20) Methylene Chloride	4.93	84	57754	49.802	ug/l 99
21) trans-1,2-Dichloroethene	5.43	96	52295	46.837	ug/l 97
22) Diisopropyl ether	6.32	45	149573	51.984	ug/l 97
23) Vinyl Acetate	6.26	43	413117	263.135	ug/l 98
24) 1,1-Dichloroethane	6.22	63	88662	48.077	ug/l 100
25) 2-Butanone	7.17	43	68371	256.234	ug/l 100
26) 2,2-Dichloropropane	7.17	77	77846	43.926	ug/l 100
27) cis-1,2-Dichloroethene	7.17	96	57940	48.408	ug/l 100
28) Bromochloromethane	7.51	49	34580	52.002	ug/l 100
29) Tetrahydrofuran	7.53	42	44935	272.516	ug/l 99
30) Chloroform	7.68	83	93608	48.841	ug/l 97
31) Cyclohexane	7.96	56	85433	44.276	ug/l 97
32) 1,1,1-Trichloroethane	7.88	97	86534	47.977	ug/l 100
36) 1,1-Dichloropropene	8.09	75	76352	46.173	ug/l 99
37) Ethyl Acetate	7.26	43	31188	52.141	ug/l 98
38) Carbon Tetrachloride	8.07	117	76400	45.267	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120418\
 Data File : VW007203.D
 Acq On : 04 Dec 2018 23:44
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 05 07:23:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 04 14:18:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	99641	45.013	ug/l	98
40) Benzene	8.33	78	219464	48.400	ug/l	100
41) Methacrylonitrile	7.49	41	19287	53.833	ug/l	99
42) 1,2-Dichloroethane	8.40	62	60404	47.665	ug/l	98
43) Isopropyl Acetate	8.43	43	61165	52.650	ug/l	98
44) Trichloroethene	9.10	130	60688	47.614	ug/l	100
45) 1,2-Dichloropropane	9.37	63	50758	48.104	ug/l	94
46) Dibromomethane	9.46	93	26629	48.566	ug/l	98
47) Bromodichloromethane	9.65	83	68218	47.299	ug/l	94
48) Methyl methacrylate	9.44	41	31738	52.639	ug/l	97
49) 1,4-Dioxane	9.45	88	11138	1162.838	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	156344	273.090	ug/l	98
52) Toluene	10.39	92	150688	47.774	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	71147	49.065	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	81087	47.717	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	38865	49.832	ug/l	97
56) Ethyl methacrylate	10.65	69	55717	54.767	ug/l	98
57) 1,3-Dichloropropane	10.93	76	65317	49.605	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	110099	269.432	ug/l	100
59) 2-Hexanone	10.97	43	113111	272.547	ug/l	100
60) Dibromochloromethane	11.13	129	47570	49.627	ug/l	97
61) 1,2-Dibromoethane	11.24	107	38209	51.078	ug/l	100
64) Tetrachloroethene	10.87	164	55264	47.984	ug/l	96
65) Chlorobenzene	11.66	112	166357	47.252	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.73	131	51196	47.085	ug/l	98
67) Ethyl Benzene	11.73	91	289379	45.098	ug/l	98
68) m/p-Xylenes	11.84	106	222856	88.530	ug/l	95
69) o-Xylene	12.17	106	108201	46.006	ug/l	91
70) Styrene	12.18	104	183055	47.547	ug/l	99
71) Bromoform	12.35	173	28513	52.385	ug/l #	96
73) Isopropylbenzene	12.47	105	293183	45.816	ug/l	99
74) N-amyl acetate	12.27	43	60755	53.550	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	44501	53.546	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	61917	52.368	ug/l #	100
77) Bromobenzene	12.75	156	65730	47.586	ug/l	99
78) n-propylbenzene	12.80	91	347432	45.572	ug/l	97
79) 2-Chlorotoluene	12.90	91	199138	46.256	ug/l	97
80) 1,3,5-Trimethylbenzene	12.95	105	246609	45.048	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.52	75	14084	49.828	ug/l	97
82) 4-Chlorotoluene	12.99	91	220677	48.183	ug/l	95
83) tert-Butylbenzene	13.21	119	216335	45.221	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	260061	46.539	ug/l	99
85) sec-Butylbenzene	13.39	105	313484	45.900	ug/l	98
86) p-Isopropyltoluene	13.51	119	279681	46.002	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	135123	47.653	ug/l	95
88) 1,4-Dichlorobenzene	13.58	146	132138	46.134	ug/l	97
89) n-Butylbenzene	13.83	91	247849	43.625	ug/l	99
90) Hexachloroethane	14.10	117	41710	45.020	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	118182	48.144	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8690	53.977	ug/l	98

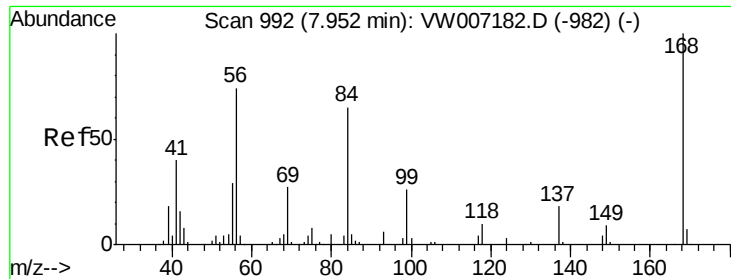
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120418\
Data File : VW007203.D
Acq On : 04 Dec 2018 23:44
Operator : SY/AP
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Dec 05 07:23:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 04 14:18:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	76070	44.716	ug/l	98
94) Hexachlorobutadiene	15.24	225	41077	44.777	ug/l	97
95) Naphthalene	15.38	128	153246	50.264	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	67110	46.784	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

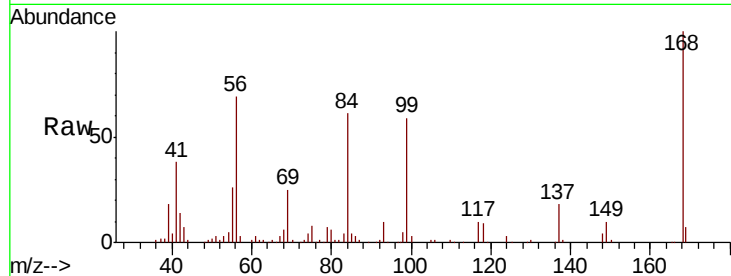
VSTDCCC050

Tot Ion:168 Resp: 104435

Ion Ratio Lower Upper

168 100

99 59.2 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

30000

20000

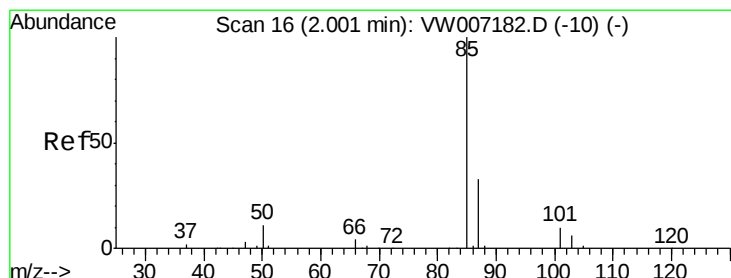
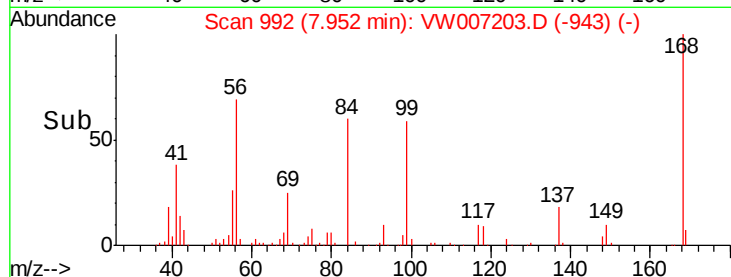
10000

0

Time-->

7.90

8.00



#2

Dichlorodifluoromethane

Concen: 42.429 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW007203.D

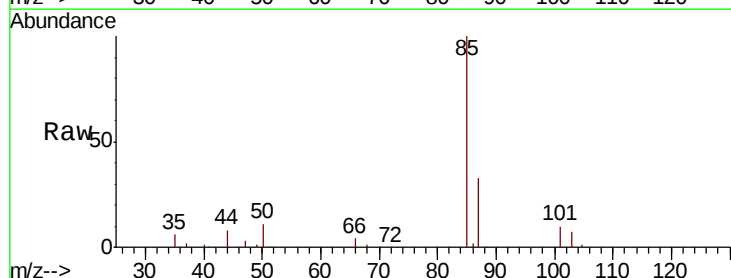
Acq: 04 Dec 2018 23:44

Tgt Ion: 85 Resp: 48480

Ion Ratio Lower Upper

85 100

87 32.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

40000

30000

20000

10000

0

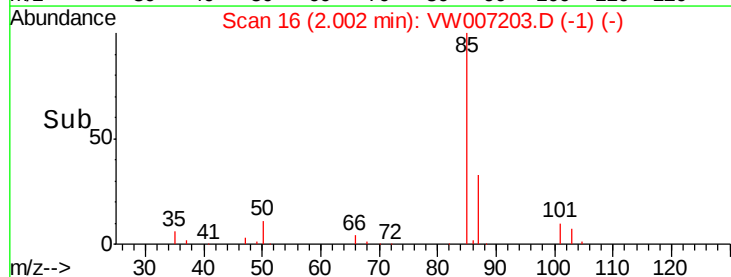
Time-->

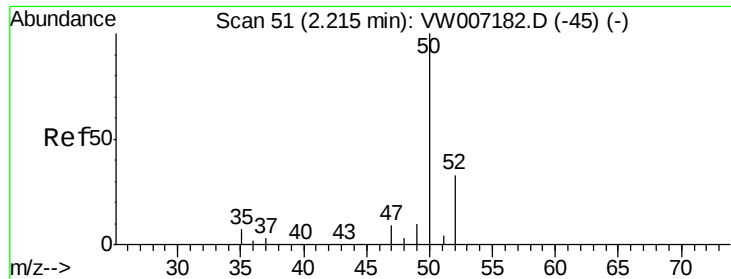
1.95

2.00

2.05

2.10





#3

Chloromethane

Concen: 43.137 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

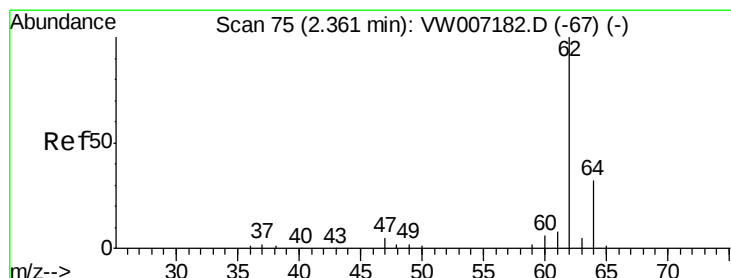
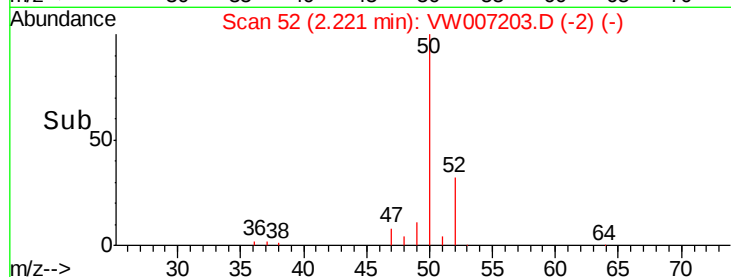
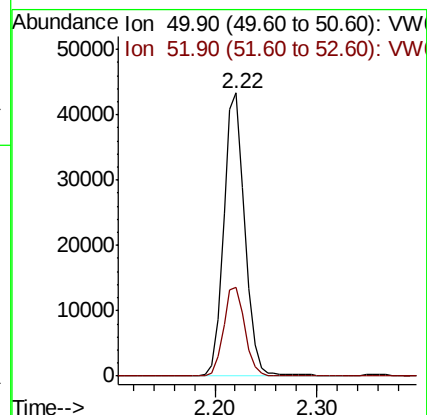
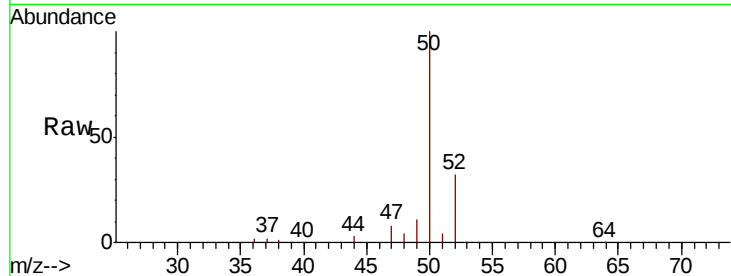
VSTDCCC050

Tot Ion: 50 Resp: 62418

Ion Ratio Lower Upper

50 100

52 31.6 26.2 39.2



#4

Vinyl Chloride

Concen: 45.941 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW007203.D

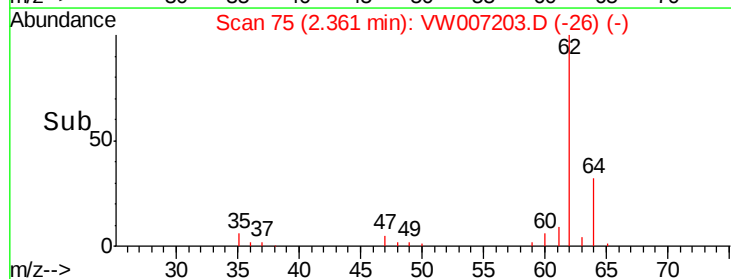
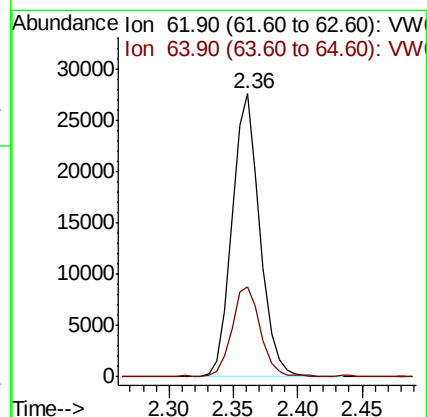
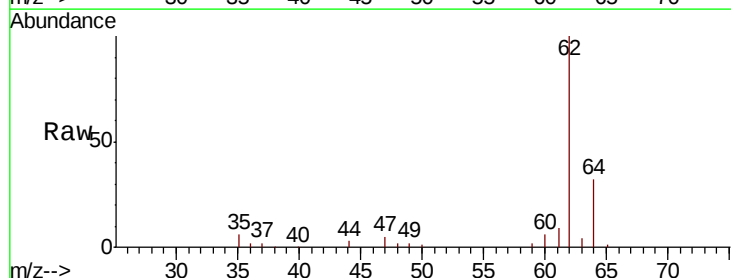
Acq: 04 Dec 2018 23:44

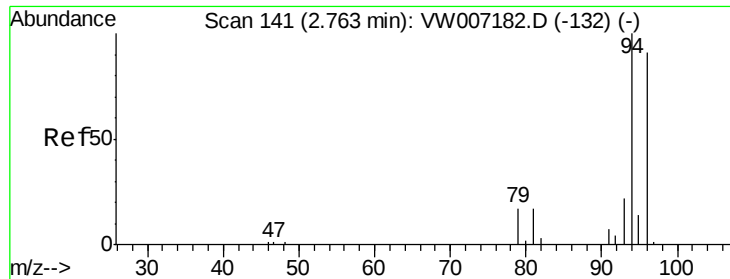
Tgt Ion: 62 Resp: 41621

Ion Ratio Lower Upper

62 100

64 31.4 25.3 37.9





#5

Bromomethane

Concen: 55.099 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

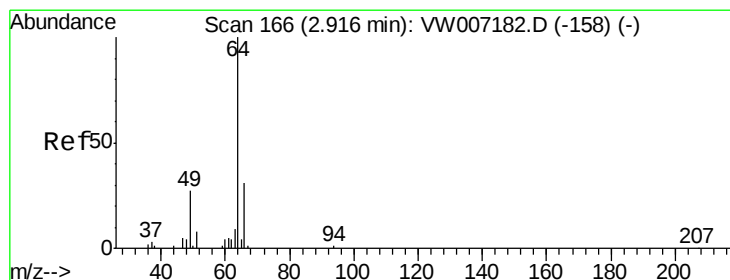
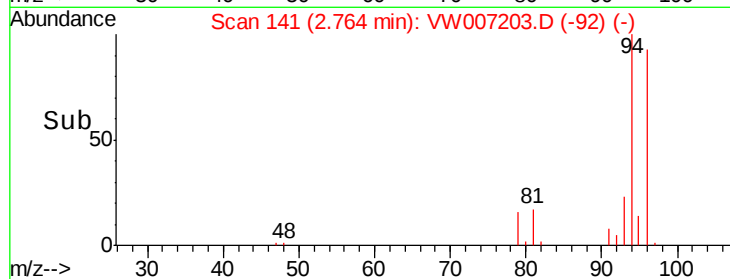
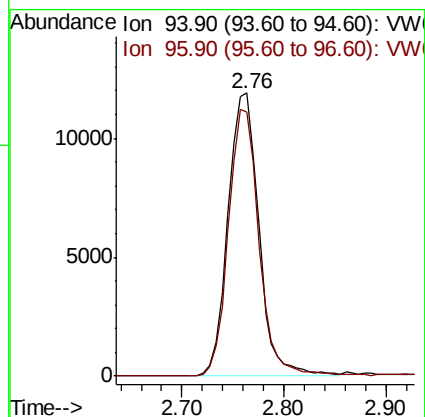
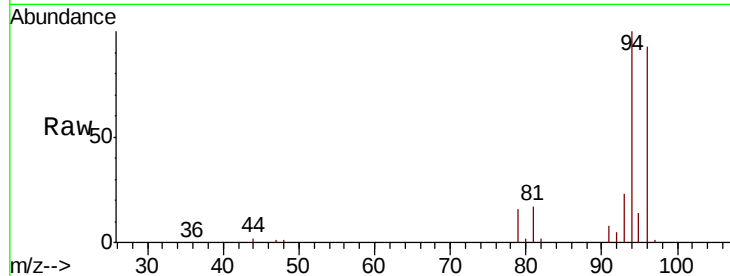
VSTDCCC050

Tot Ion: 94 Resp: 25014

Ion Ratio Lower Upper

94 100

96 93.2 72.8 109.2



#6

Chloroethane

Concen: 48.333 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW007203.D

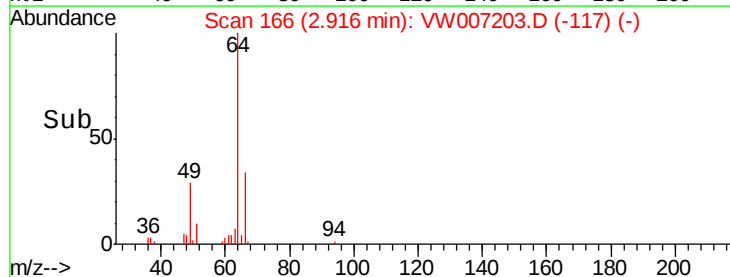
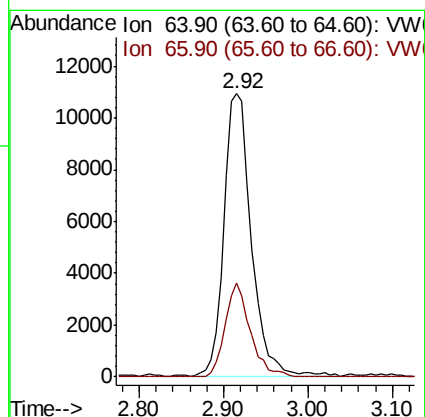
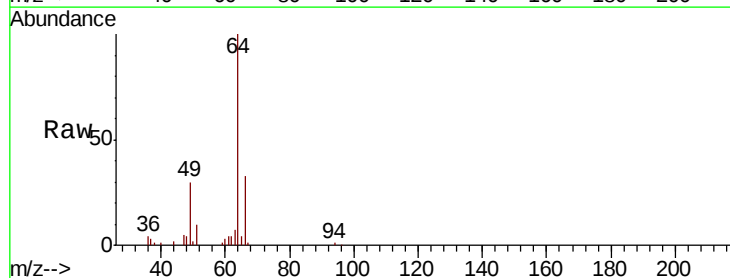
Acq: 04 Dec 2018 23:44

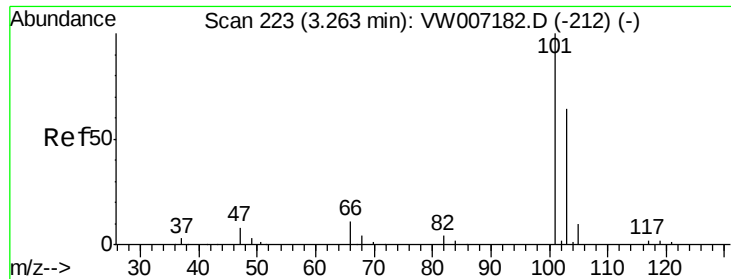
Tgt Ion: 64 Resp: 24569

Ion Ratio Lower Upper

64 100

66 33.3 25.0 37.6



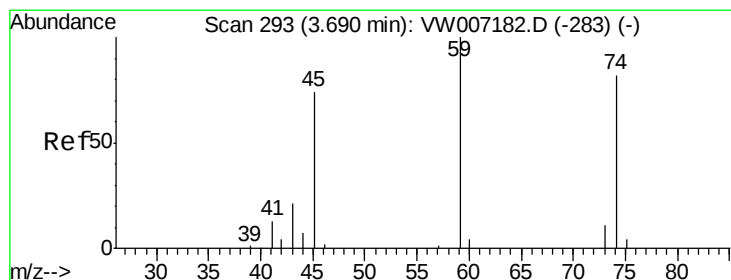
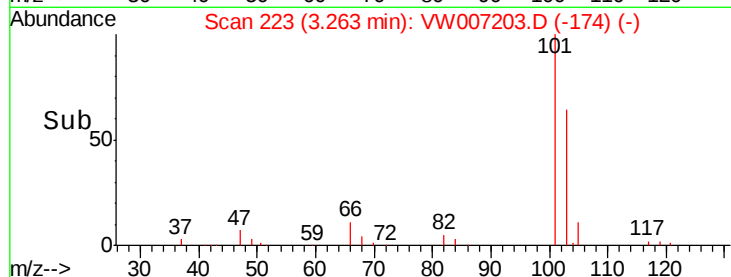
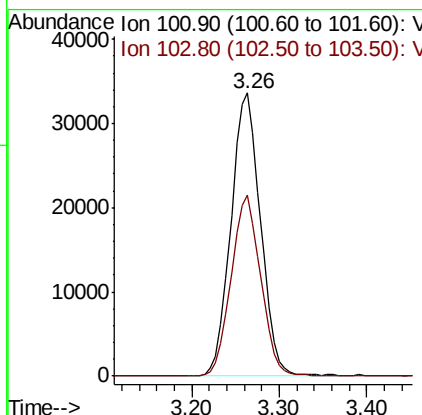
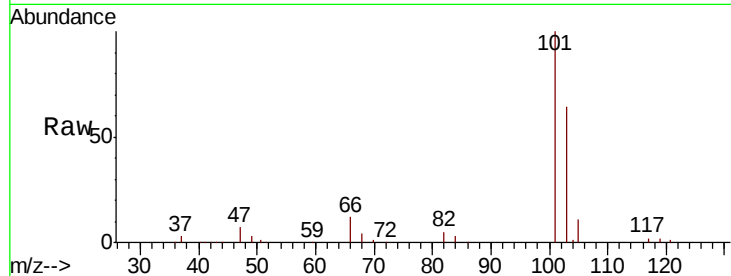


#7

Trichlorofluoromethane
 Concen: 44.747 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

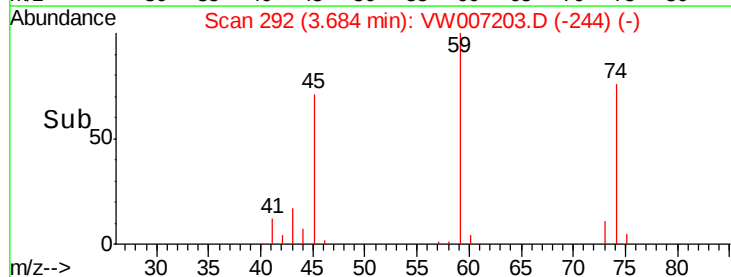
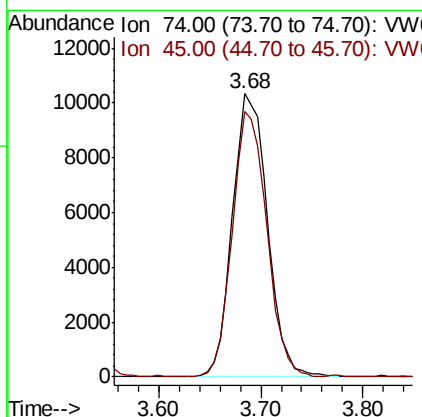
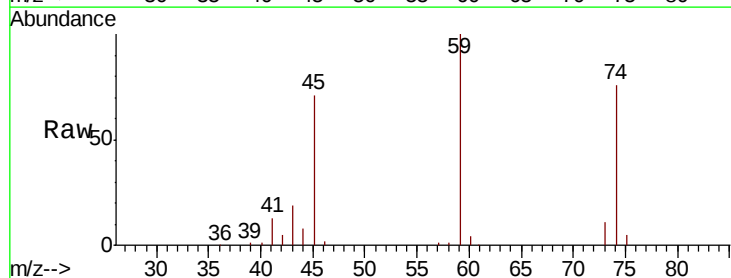
Tot Ion:101 Resp: 79037
 Ion Ratio Lower Upper
 101 100
 103 63.7 50.9 76.3

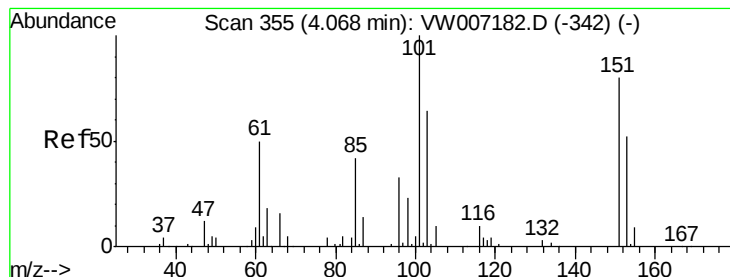


#8

Diethyl Ether
 Concen: 49.953 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.01 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

Tgt Ion: 74 Resp: 24594
 Ion Ratio Lower Upper
 74 100
 45 92.3 47.2 141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.994 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

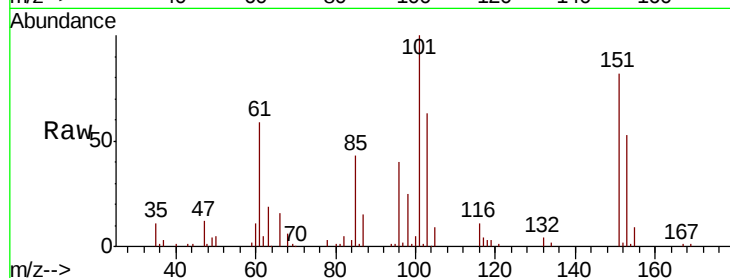
Tot Ion:101 Resp: 48009

Ion Ratio Lower Upper

101 100

85 41.4 33.4 50.2

151 81.0 63.9 95.9

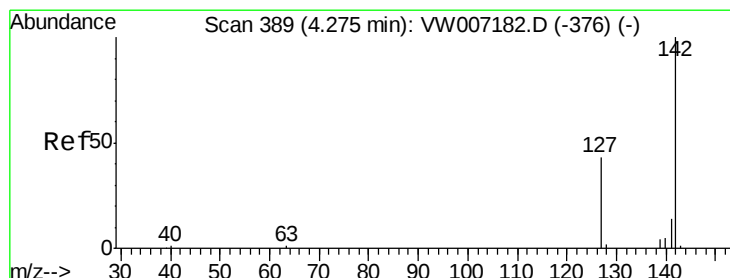
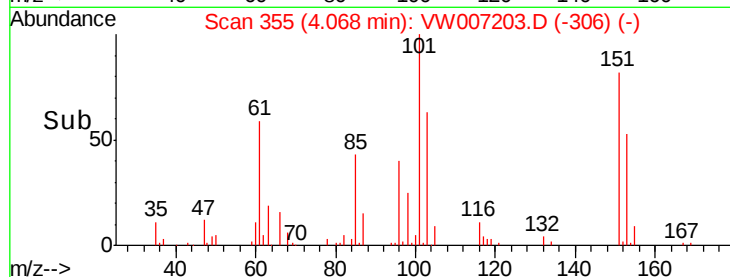
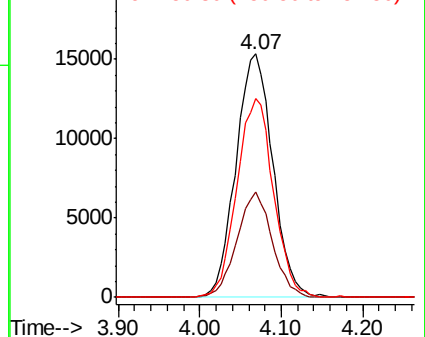


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.654 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

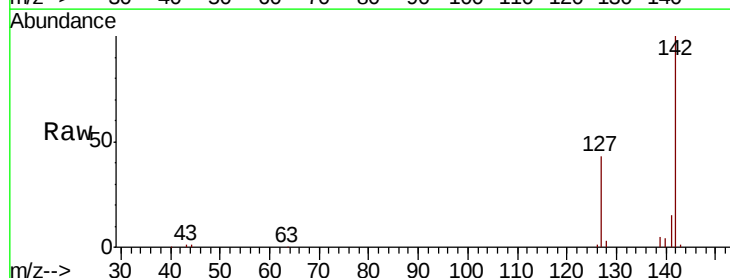
Tgt Ion:142 Resp: 44224

Ion Ratio Lower Upper

142 100

127 43.4 34.9 52.3

141 14.5 11.7 17.5

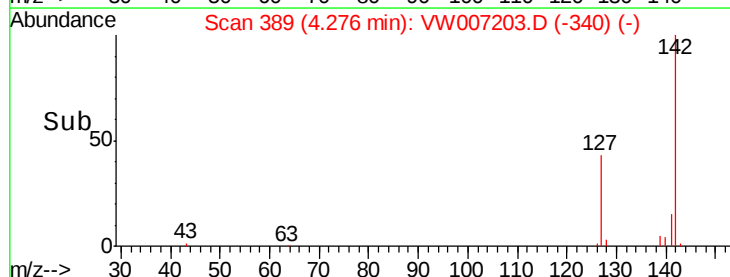
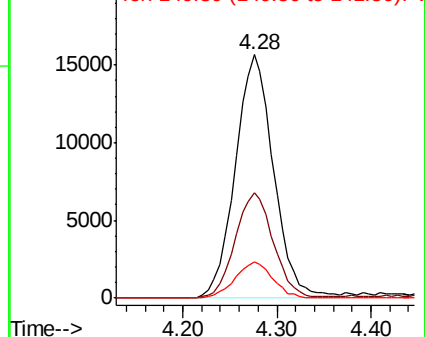


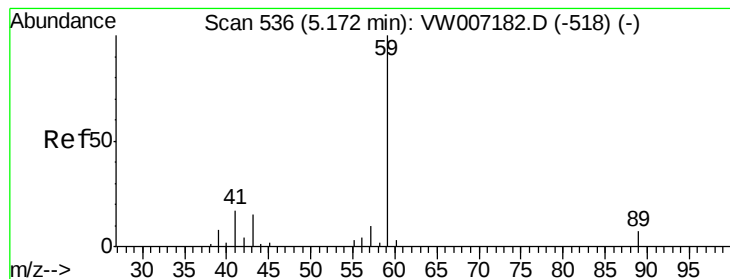
Abundance

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



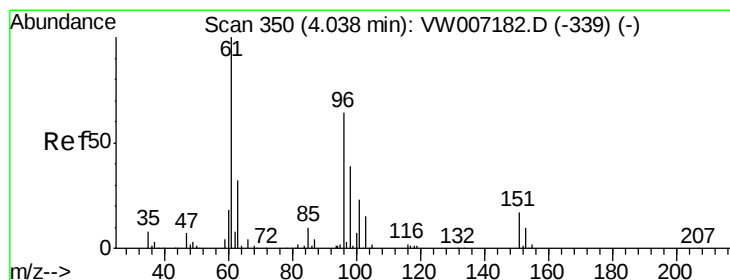
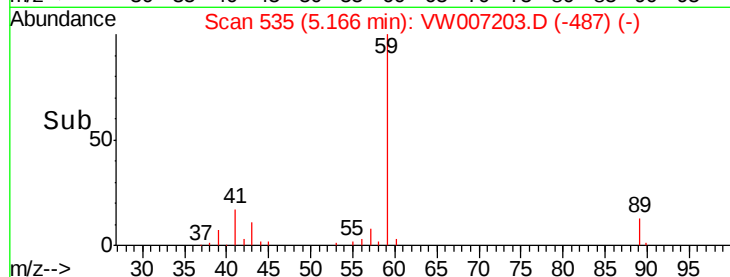
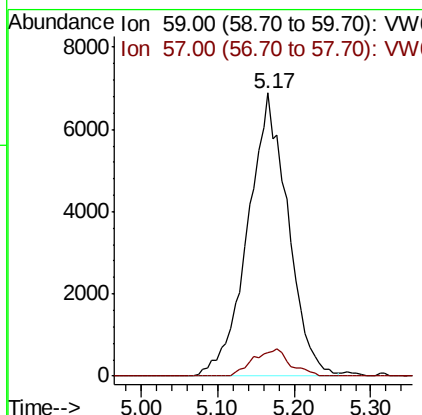
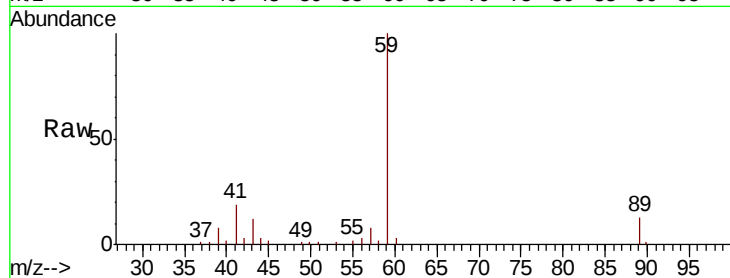


#11

Tert butyl alcohol
 Concen: 273.039 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

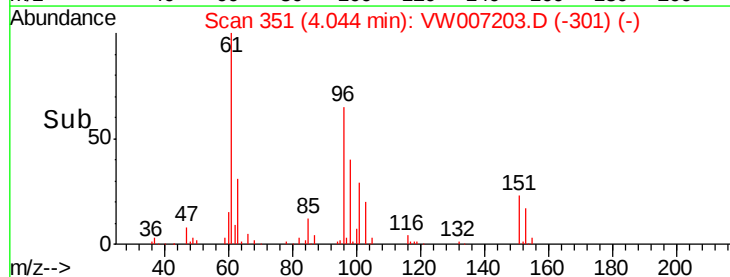
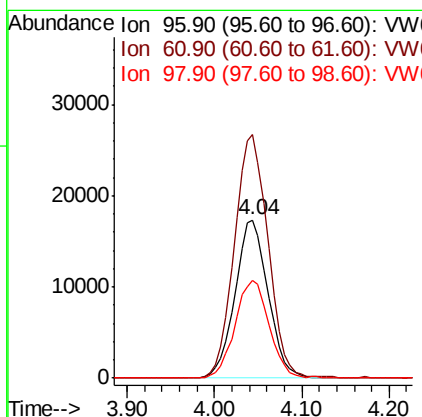
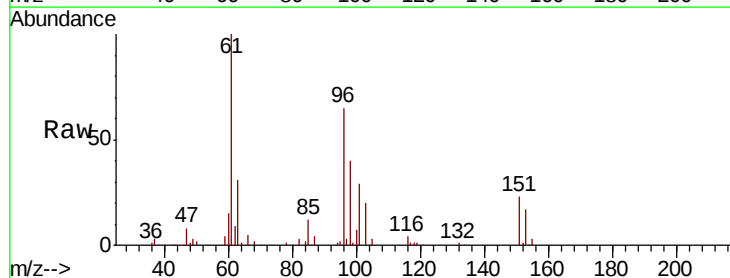
Tot Ion: 59 Resp: 25179
 Ion Ratio Lower Upper
 59 100
 57 8.7 7.1 10.7

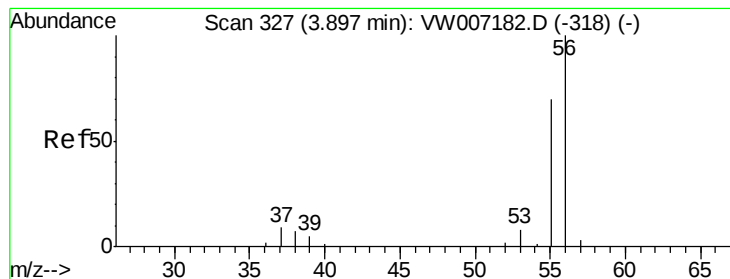


#12

1,1-Dichloroethene
 Concen: 45.413 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

Tgt Ion: 96 Resp: 45410
 Ion Ratio Lower Upper
 96 100
 61 153.8 124.1 186.1
 98 62.0 48.6 72.8





#13

Acrolein

Concen: 291.278 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

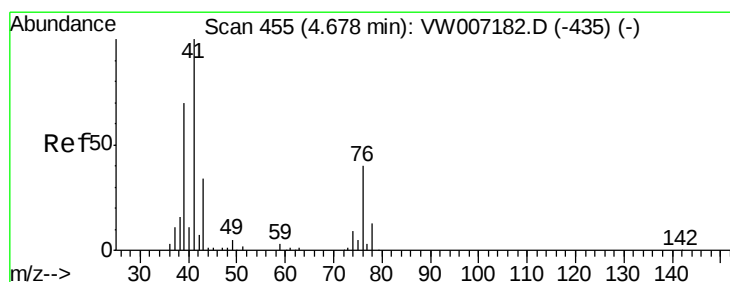
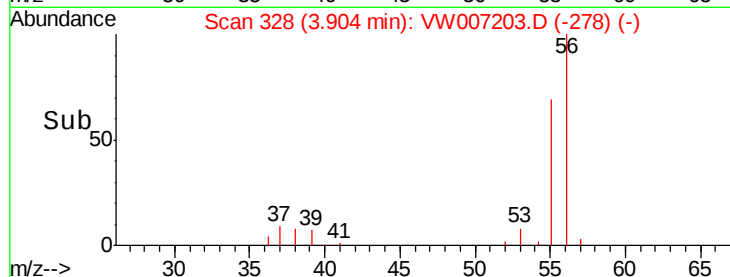
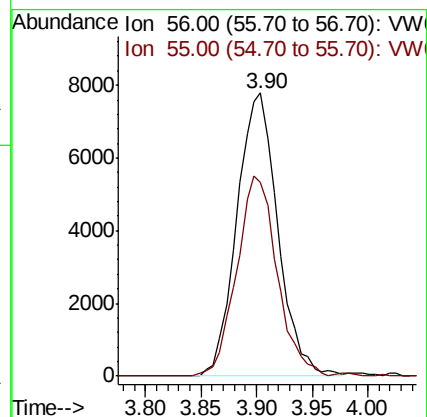
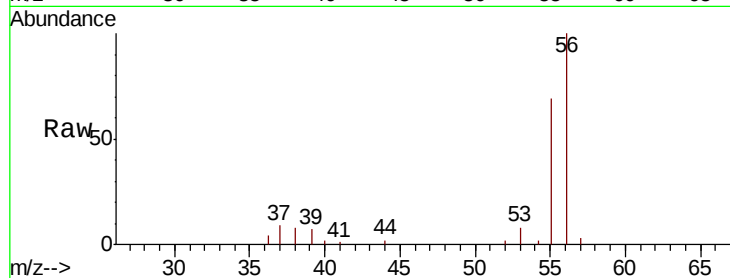
VSTDCCC050

Tot Ion: 56 Resp: 19845

Ion Ratio Lower Upper

56 100

55 69.9 56.9 85.3



#14

Allyl chloride

Concen: 46.921 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

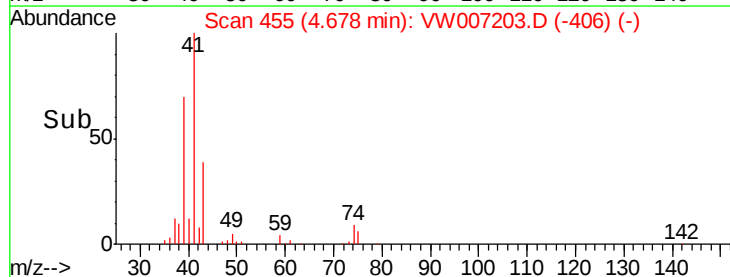
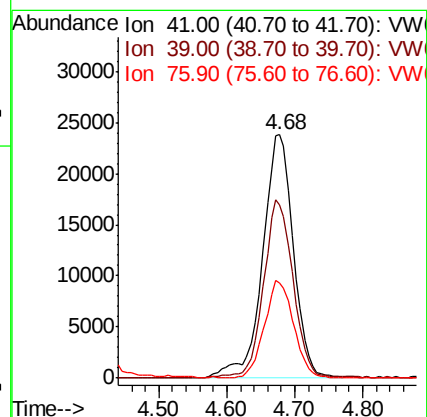
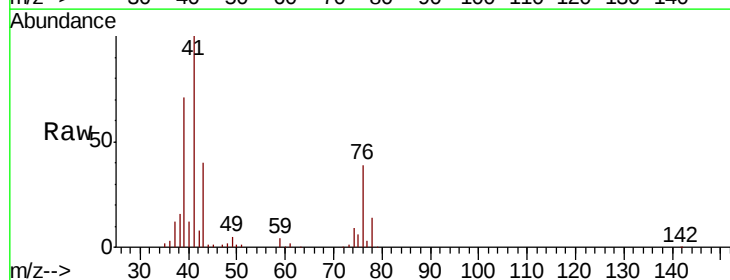
Tgt Ion: 41 Resp: 75205

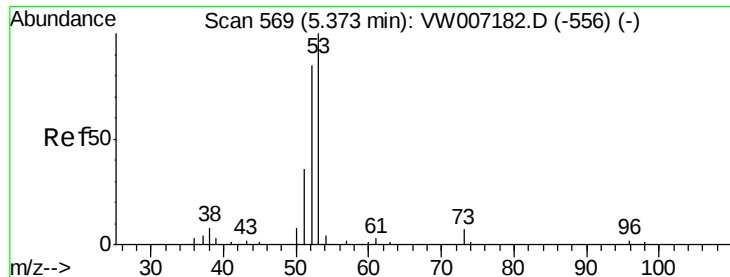
Ion Ratio Lower Upper

41 100

39 70.4 55.9 83.9

76 38.2 30.8 46.2





#15

Acrylonitrile

Concen: 275.617 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

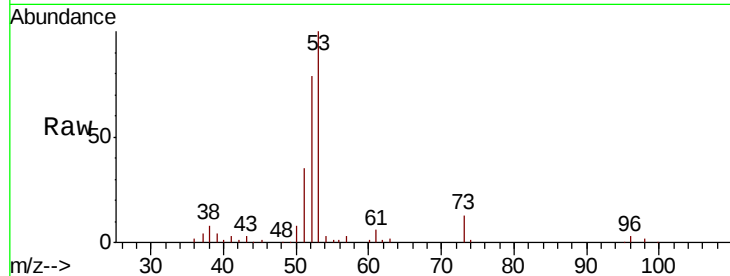
Tot Ion: 53 Resp: 56729

Ion Ratio Lower Upper

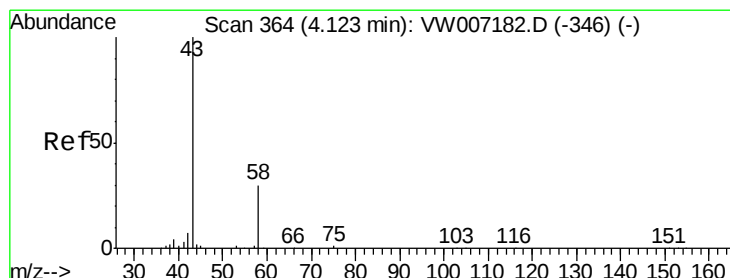
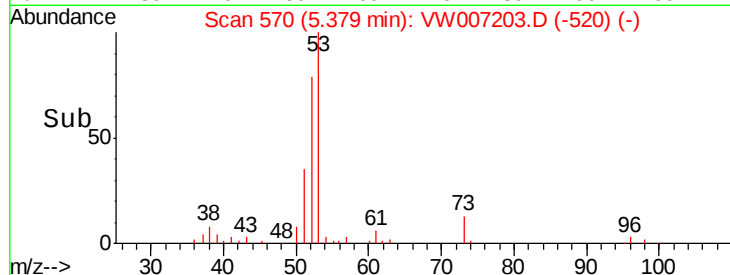
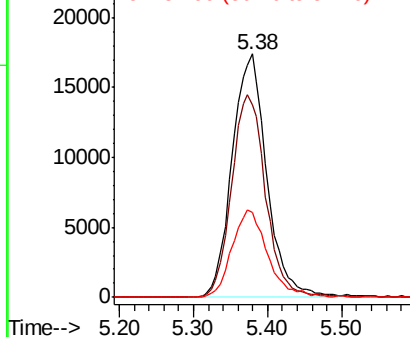
53 100

52 82.0 66.1 99.1

51 36.8 30.3 45.5



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: 225.419 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007203.D

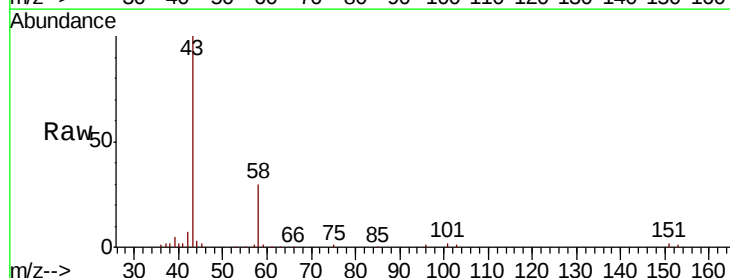
Acq: 04 Dec 2018 23:44

Tgt Ion: 43 Resp: 51888

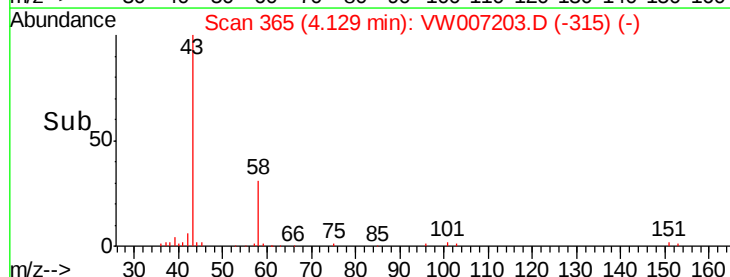
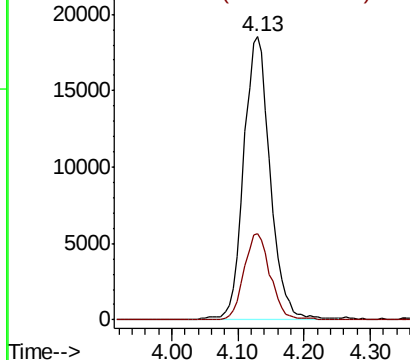
Ion Ratio Lower Upper

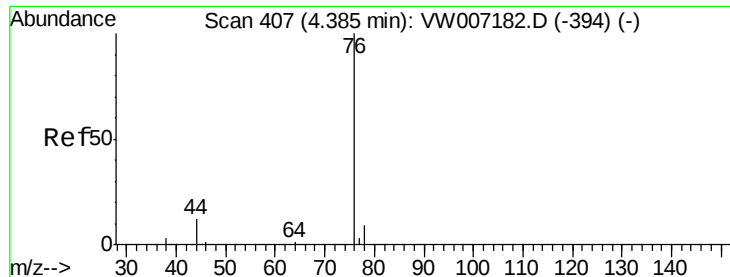
43 100

58 30.4 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

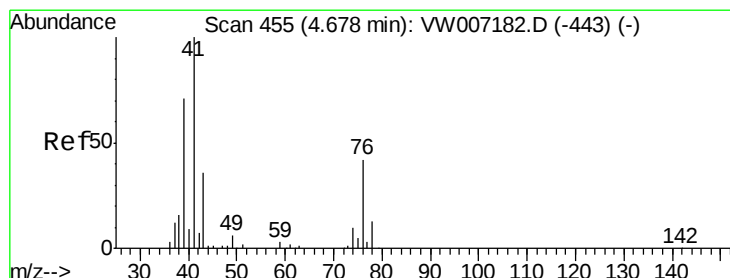
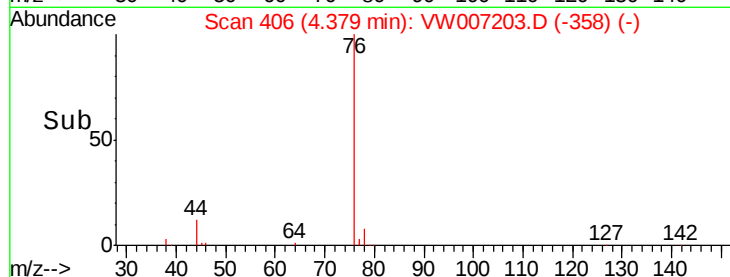
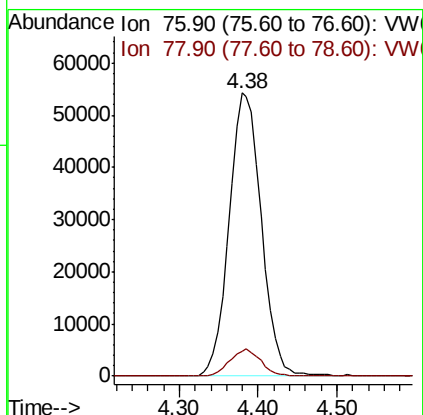
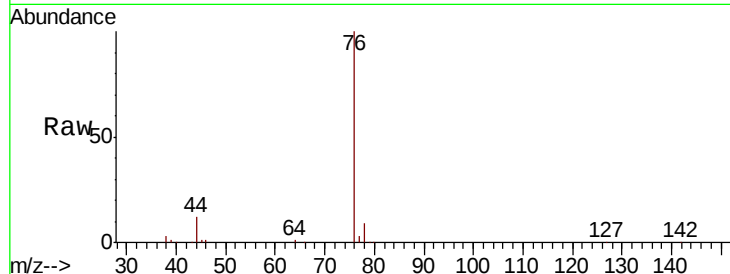




#17
Carbon Disulfide
Concen: 46.704 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

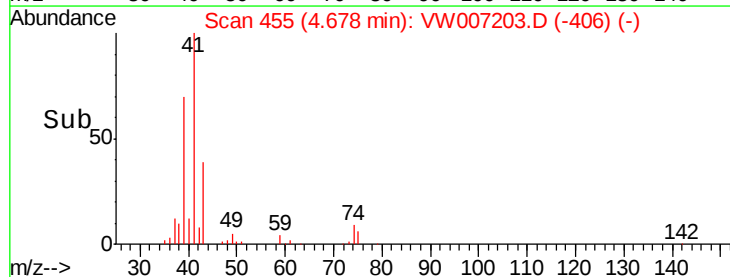
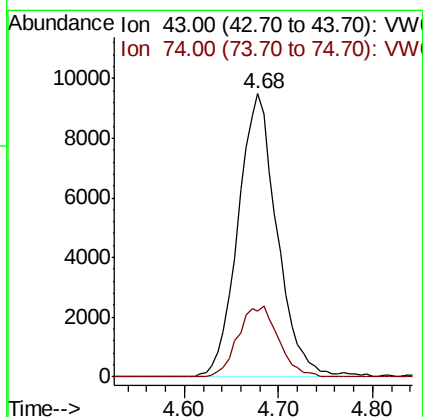
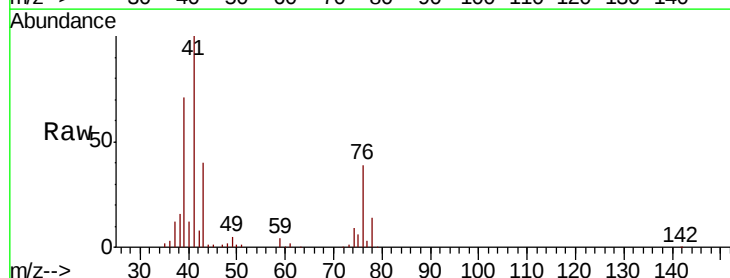
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

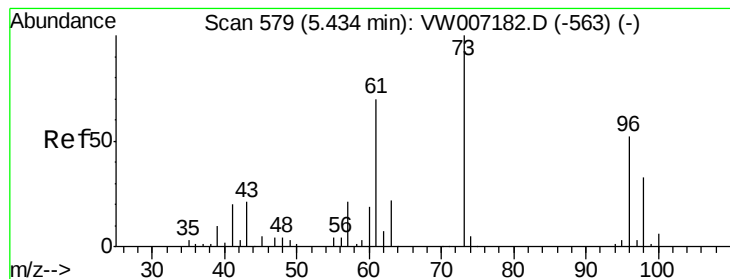
Tot Ion: 76 Resp: 153939
Ion Ratio Lower Upper
76 100
78 8.6 7.2 10.8



#18
Methyl Acetate
Concen: 52.216 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

Tgt Ion: 43 Resp: 27435
Ion Ratio Lower Upper
43 100
74 25.8 20.1 30.1



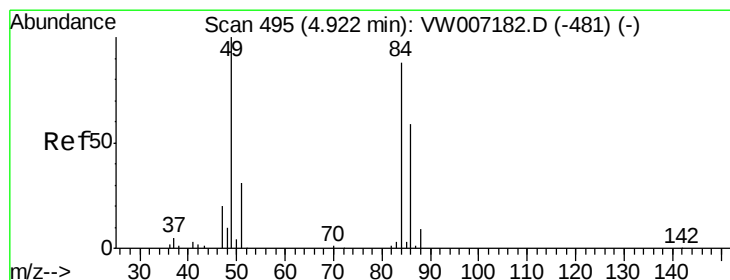
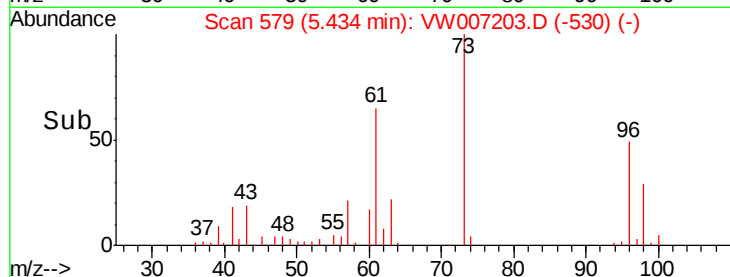
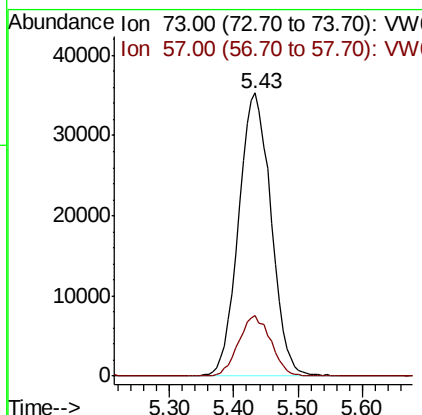
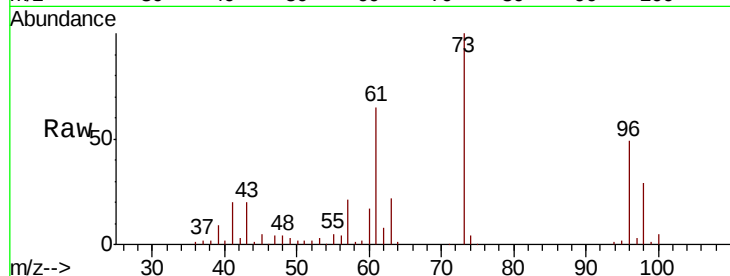


#19

Methyl tert-butyl Ether
 Concen: 52.100 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

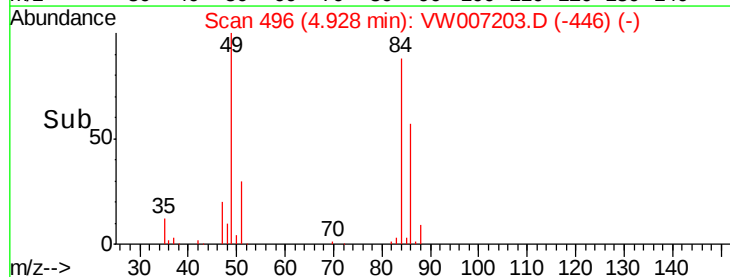
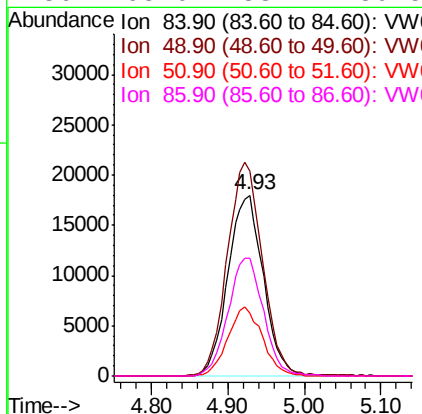
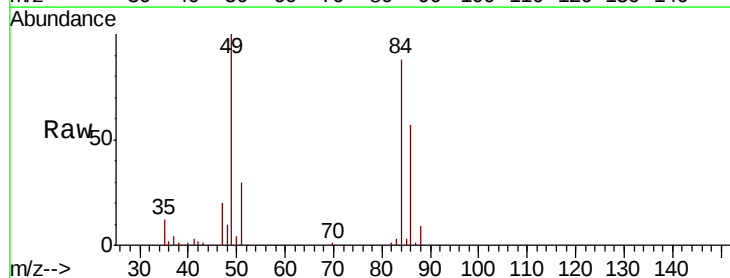
Tot Ion: 73 Resp: 122657
 Ion Ratio Lower Upper
 73 100
 57 21.5 16.6 25.0

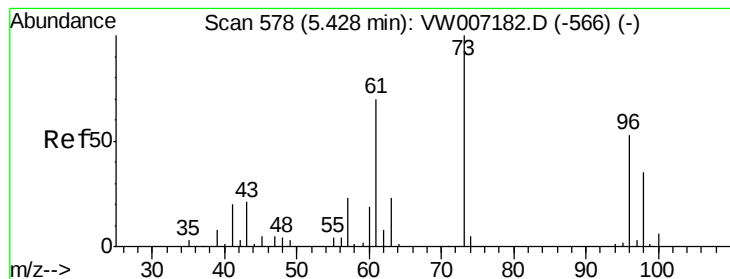


#20

Methylene Chloride
 Concen: 49.802 ug/l
 RT: 4.93 min Scan# 496
 Delta R.T. 0.01 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

Tgt Ion: 84 Resp: 57754
 Ion Ratio Lower Upper
 84 100
 49 112.8 90.6 135.8
 51 34.5 27.6 41.4
 86 65.0 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 46.837 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

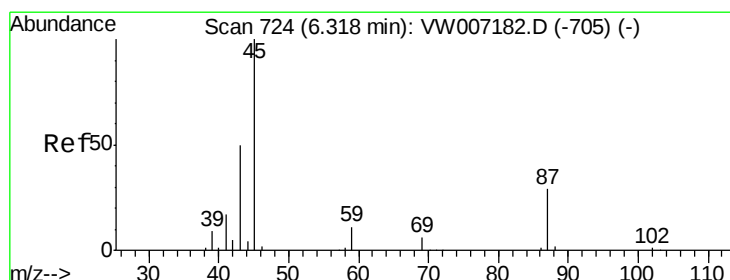
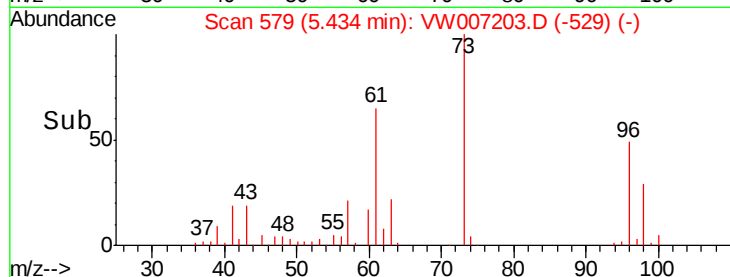
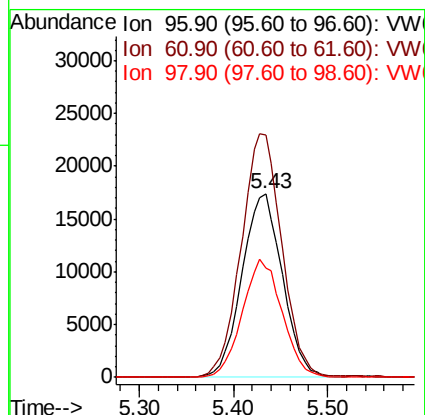
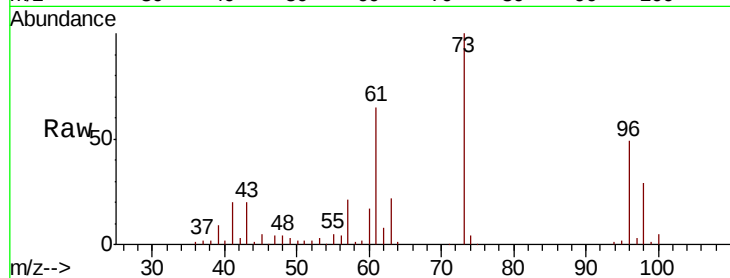
Tot Ion: 96 Resp: 52295

Ion Ratio Lower Upper

96 100

61 131.7 105.5 158.3

98 59.8 52.6 79.0



#22

Diisopropyl ether

Concen: 51.984 ug/l

RT: 6.32 min Scan# 725

Delta R.T. 0.01 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Tgt Ion: 45 Resp: 149573

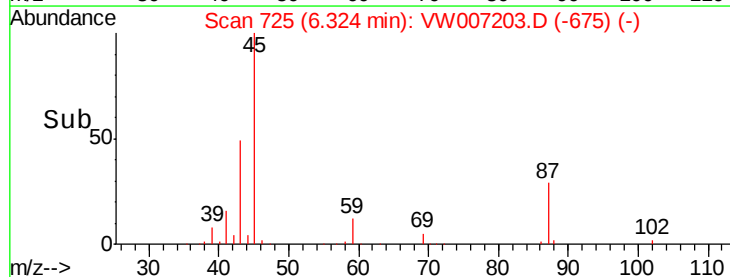
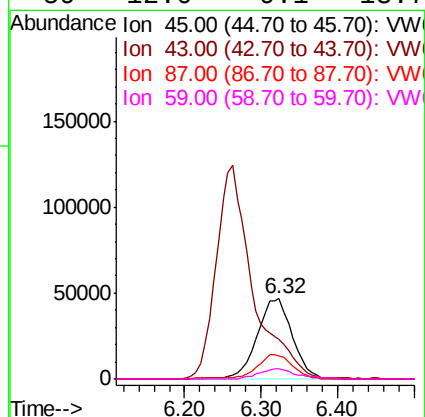
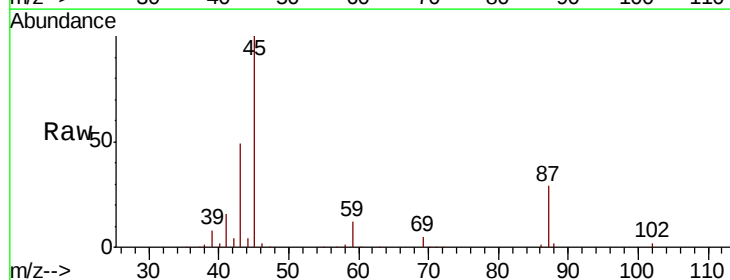
Ion Ratio Lower Upper

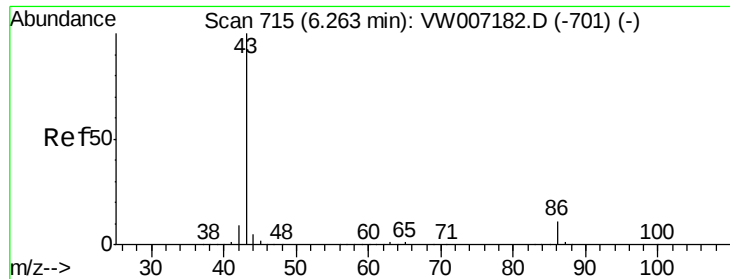
45 100

43 48.2 40.8 61.2

87 28.6 24.0 36.0

59 12.0 9.1 13.7





#23

Vinyl Acetate

Concen: 263.135 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

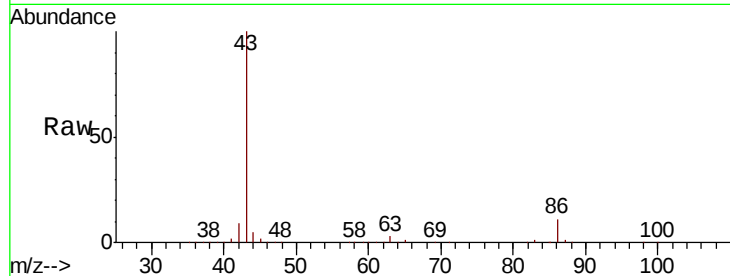
VSTDCCC050

Tot Ion: 43 Resp: 413117

Ion Ratio Lower Upper

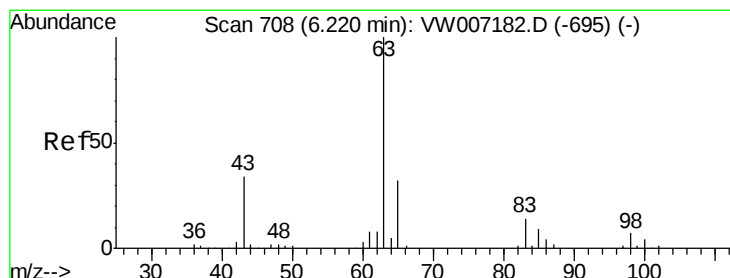
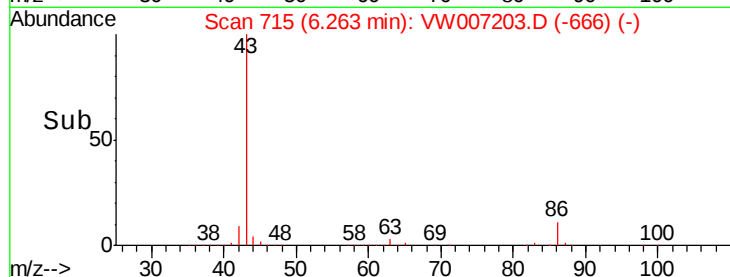
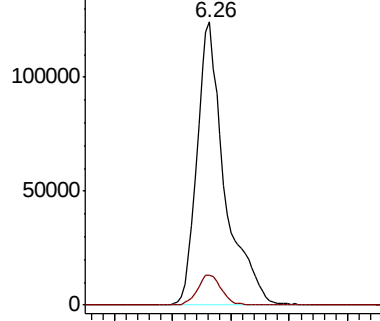
43 100

86 10.6 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 48.077 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

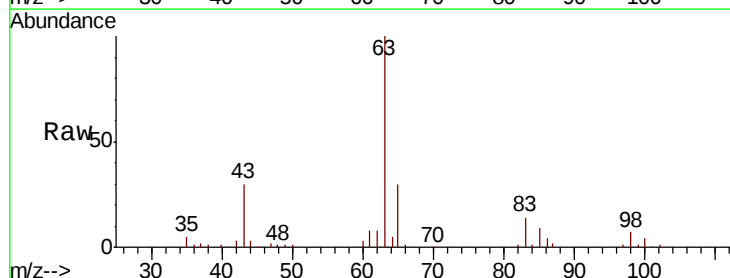
Tgt Ion: 63 Resp: 88662

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

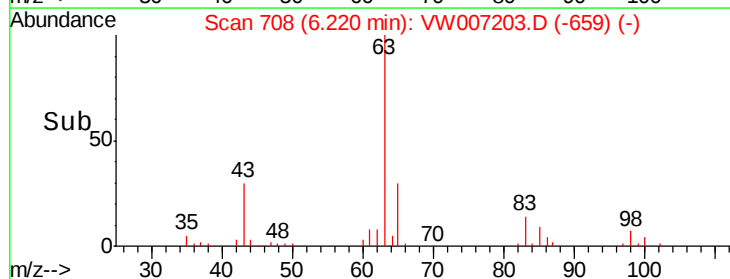
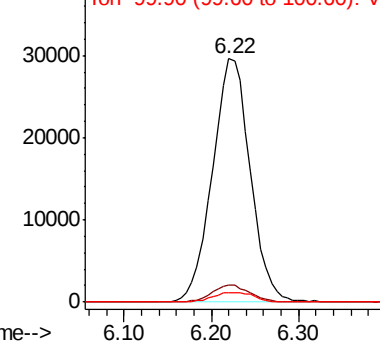
100 4.0 2.1 6.2

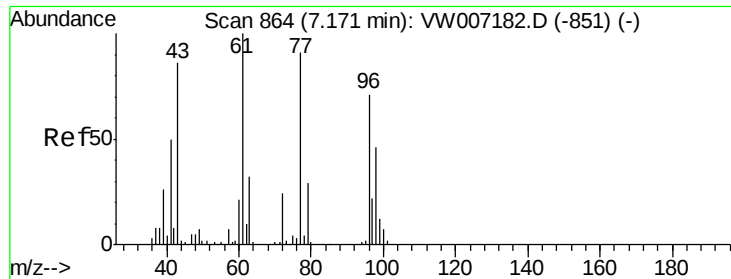


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 256.234 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

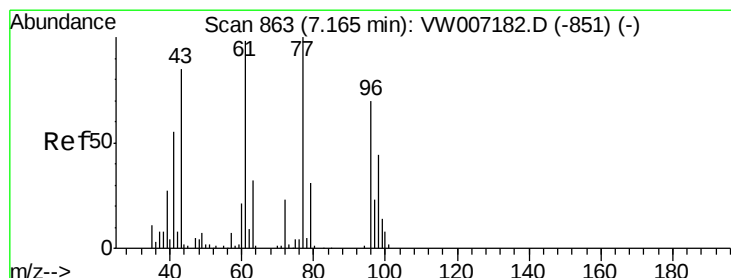
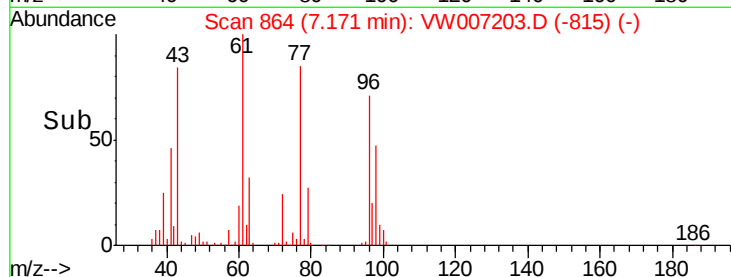
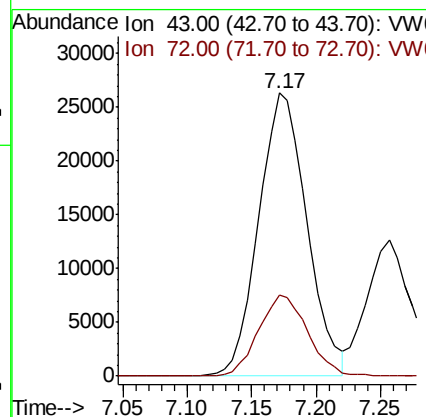
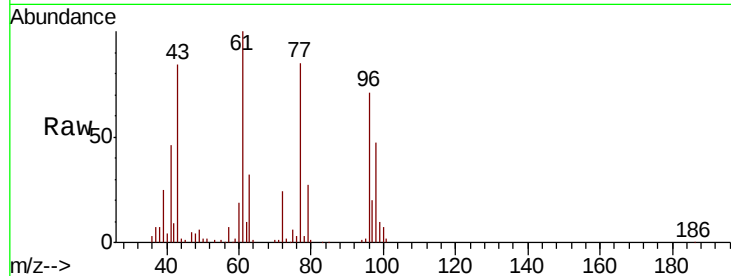
VSTDCCC050

Tot Ion: 43 Resp: 68371

Ion Ratio Lower Upper

43 100

72 28.5 22.8 34.2



#26

2,2-Dichloropropane

Concen: 43.926 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW007203.D

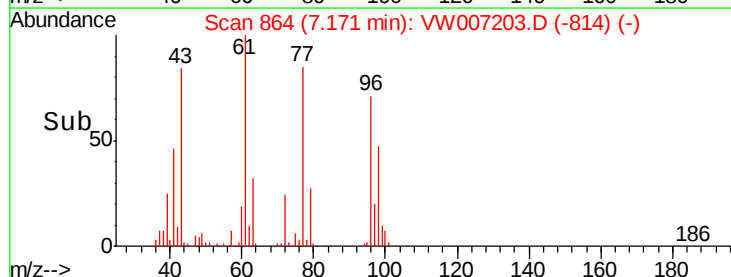
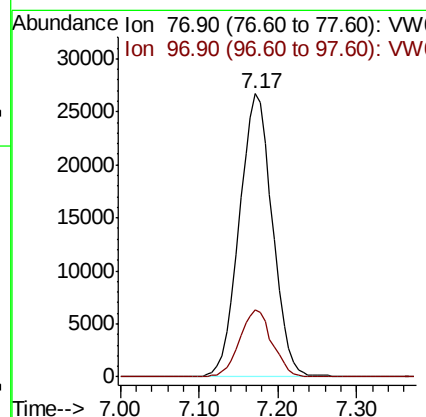
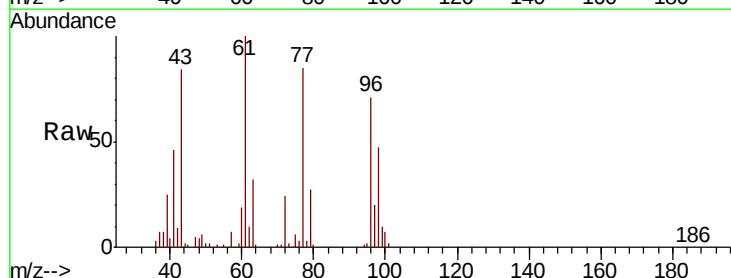
Acq: 04 Dec 2018 23:44

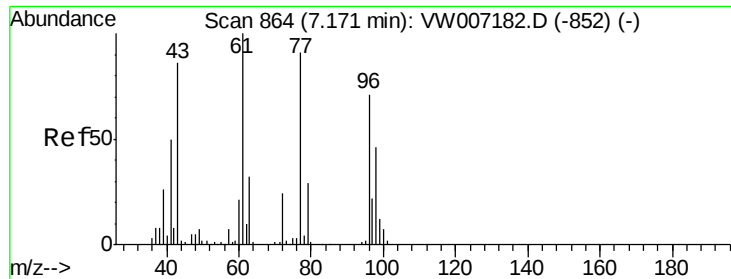
Tgt Ion: 77 Resp: 77846

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.4



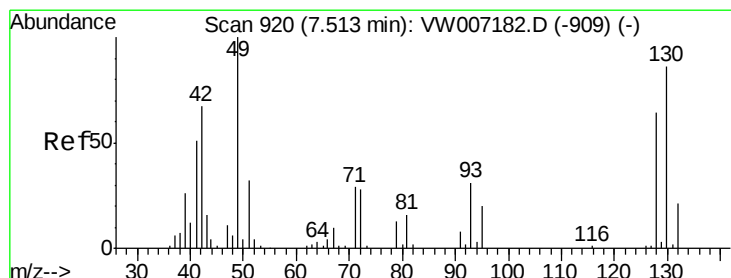
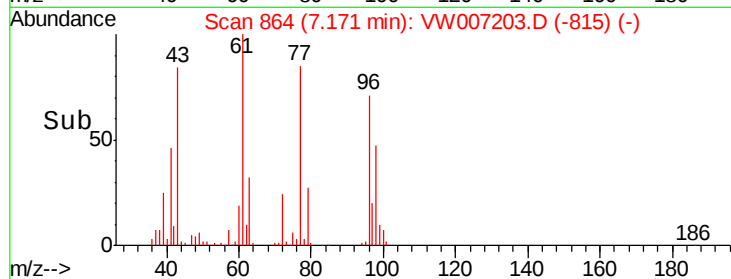
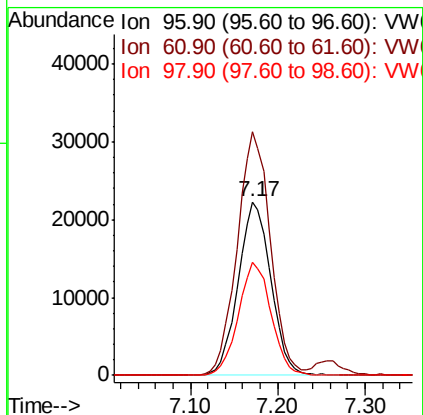
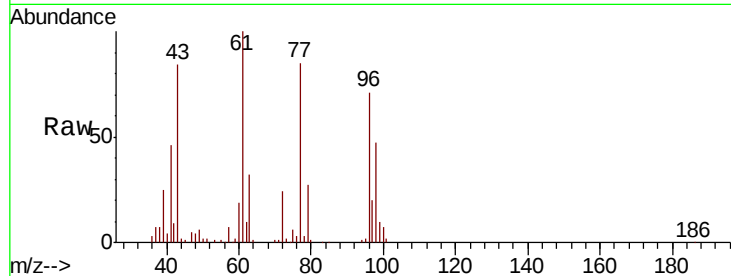


#27

cis-1,2-Dichloroethene
Concen: 48.408 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

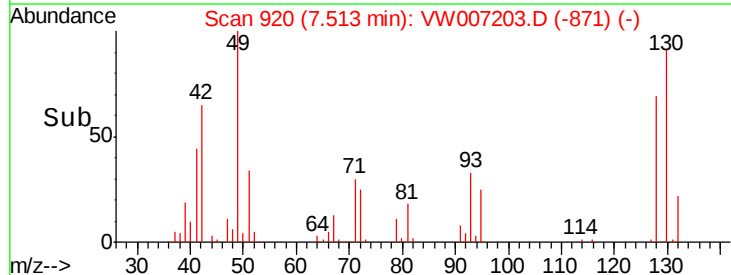
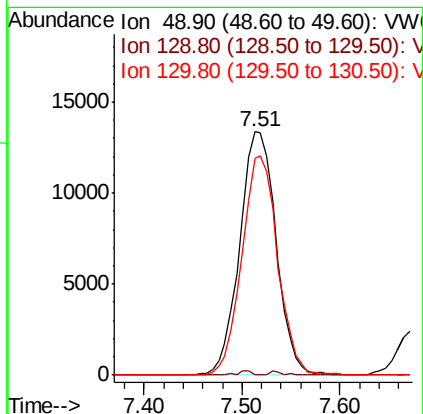
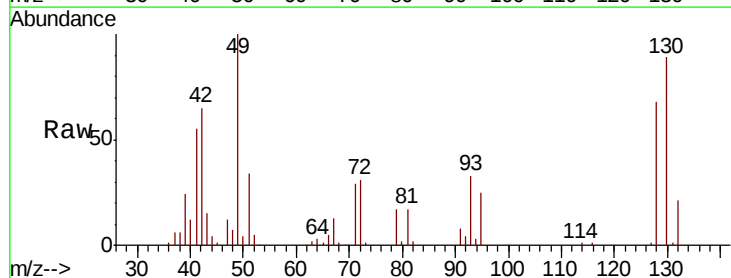
Tot Ion: 96 Resp: 57940
Ion Ratio Lower Upper
96 100
61 142.0 0.0 282.4
98 64.8 0.0 129.8

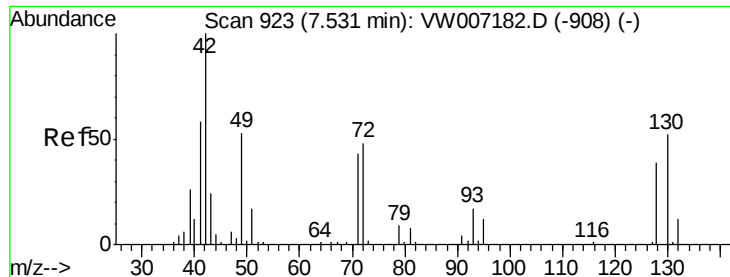


#28

Bromochloromethane
Concen: 52.002 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

Tgt Ion: 49 Resp: 34580
Ion Ratio Lower Upper
49 100
129 0.6 0.0 3.8
130 88.3 70.3 105.5

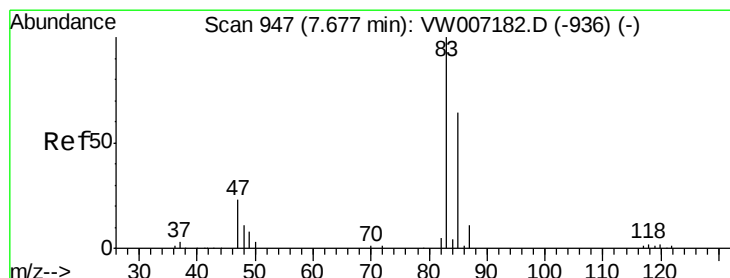
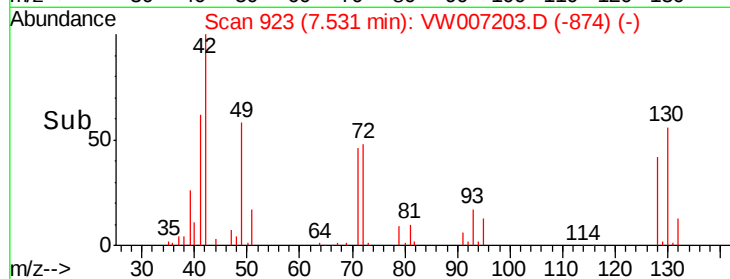
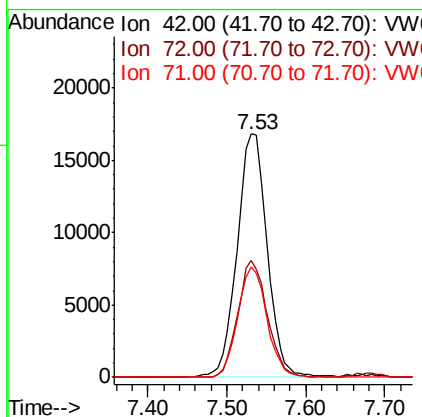
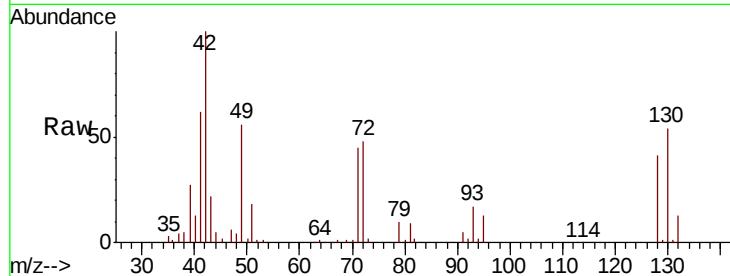




#29
Tetrahydrofuran
Concen: 272.516 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

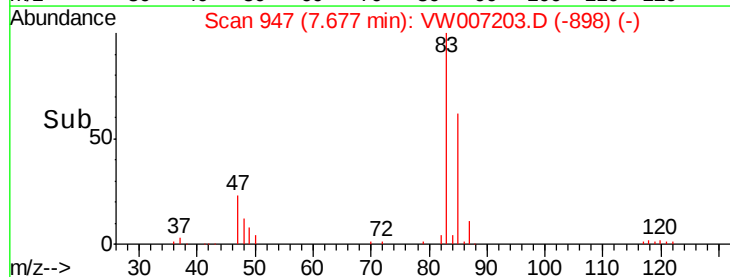
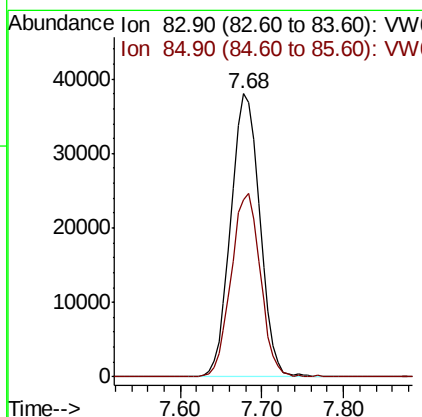
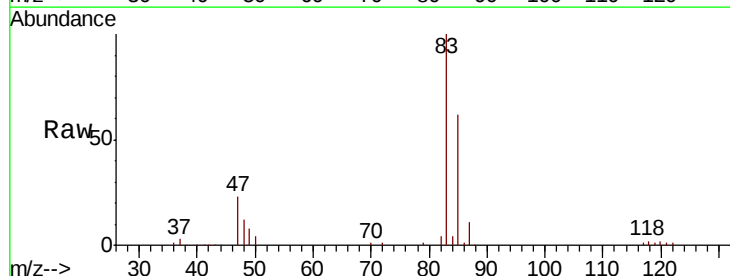
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

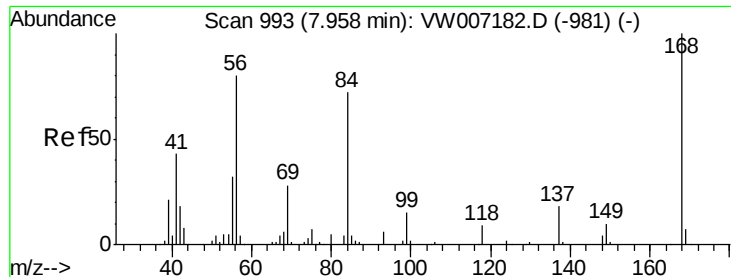
Tot Ion: 42 Resp: 44935
Ion Ratio Lower Upper
42 100
72 46.6 36.6 55.0
71 43.8 34.8 52.2



#30
Chloroform
Concen: 48.841 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

Tgt Ion: 83 Resp: 93608
Ion Ratio Lower Upper
83 100
85 62.4 51.5 77.3

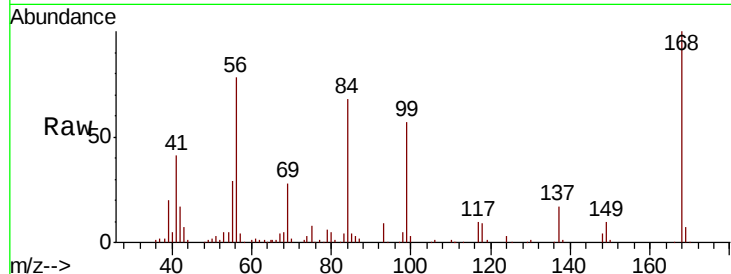




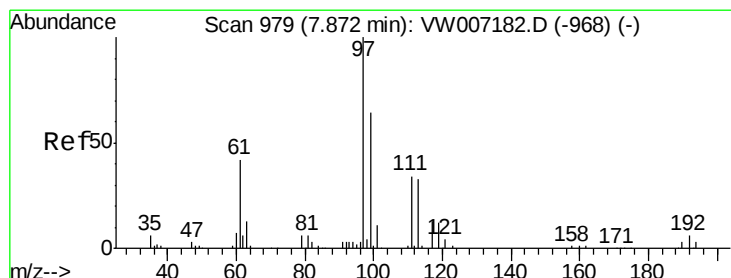
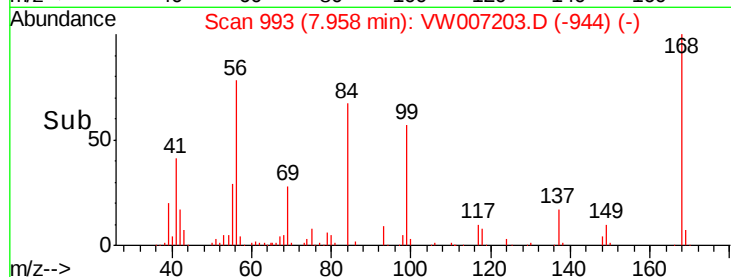
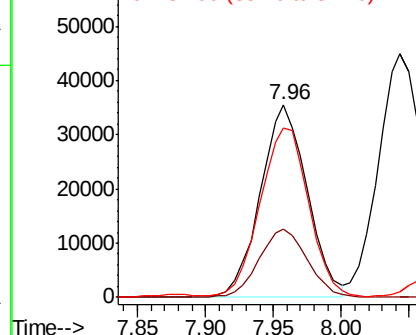
#31
Cyclohexane
Concen: 44.276 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 85433
Ion Ratio Lower Upper
56 100
69 35.7 28.2 42.2
84 87.1 72.1 108.1

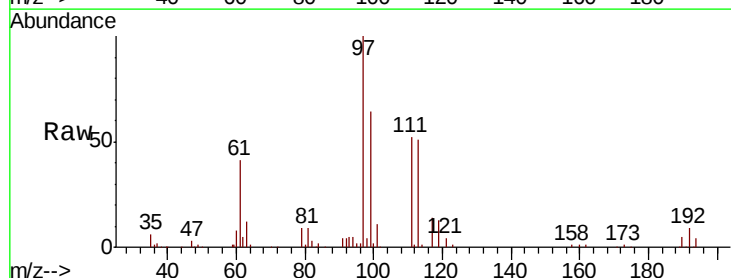


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

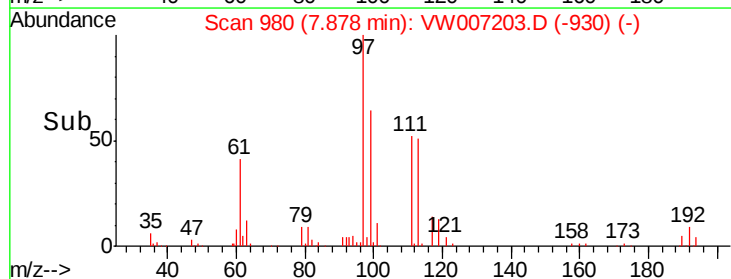
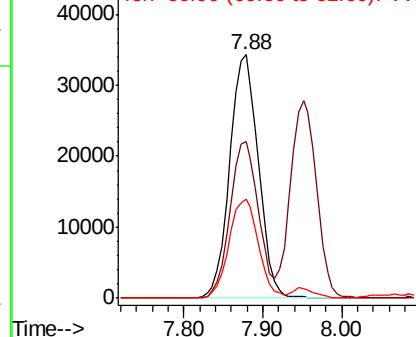


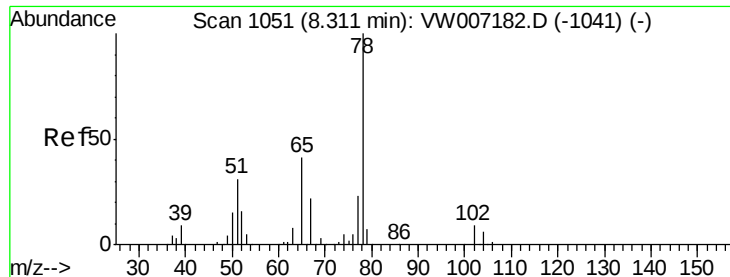
#32
1,1,1-Trichloroethane
Concen: 47.977 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

Tgt Ion: 97 Resp: 86534
Ion Ratio Lower Upper
97 100
99 64.1 51.3 76.9
61 41.8 33.2 49.8



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

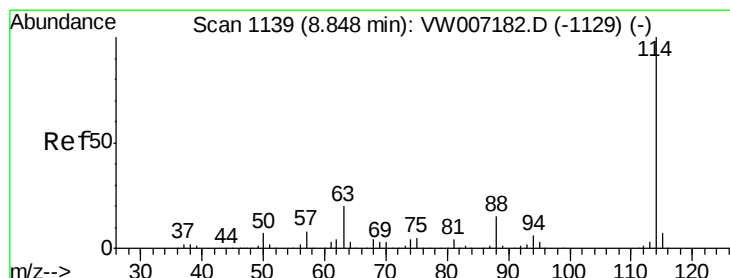
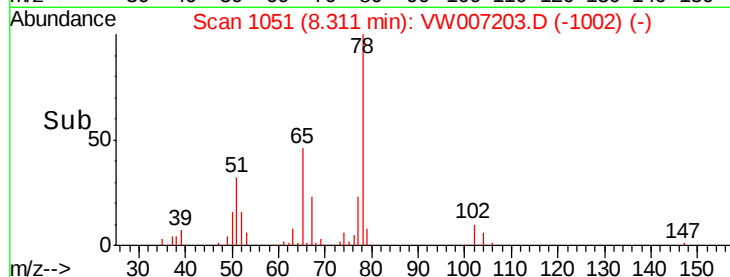
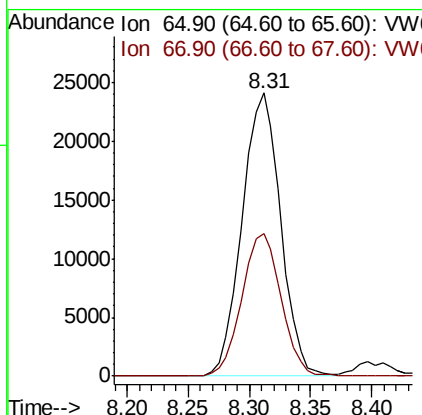
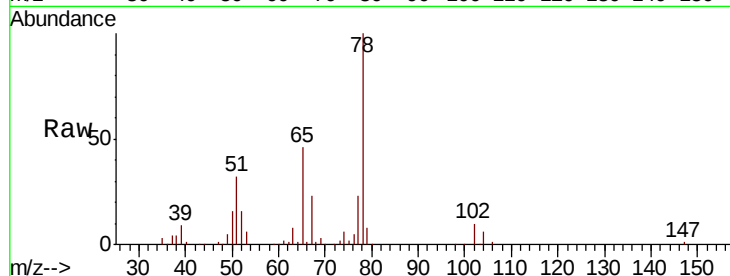




#33
 1,2-Dichloroethane-d4
 Concen: 54.344 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

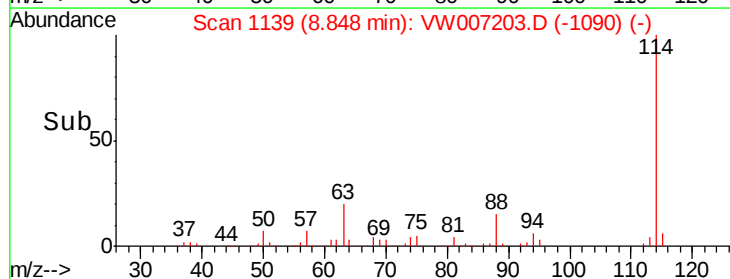
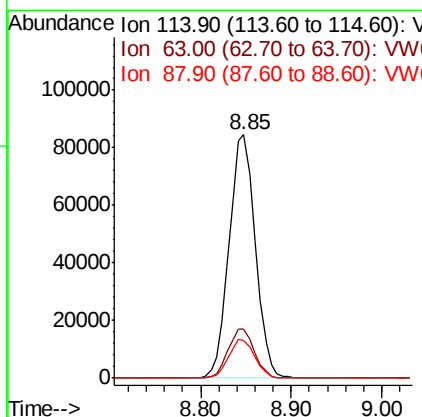
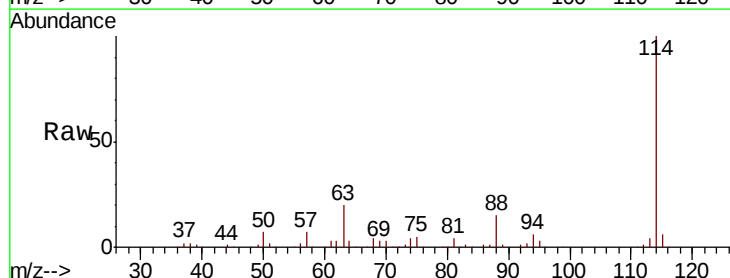
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

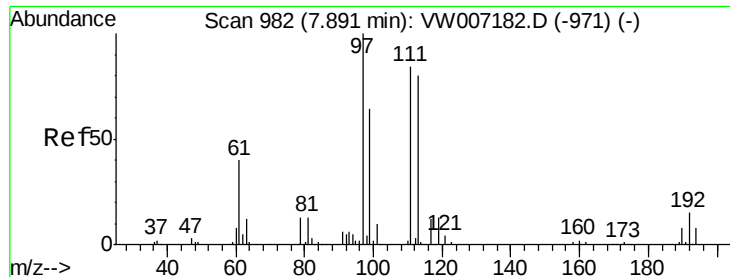
Tot Ion: 65 Resp: 52840
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

Tgt Ion: 114 Resp: 169945
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.2
 88 15.2 0.0 30.0

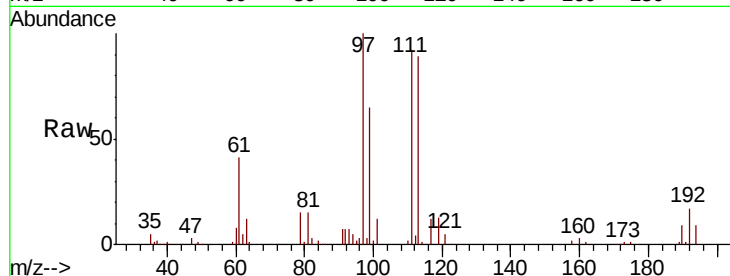




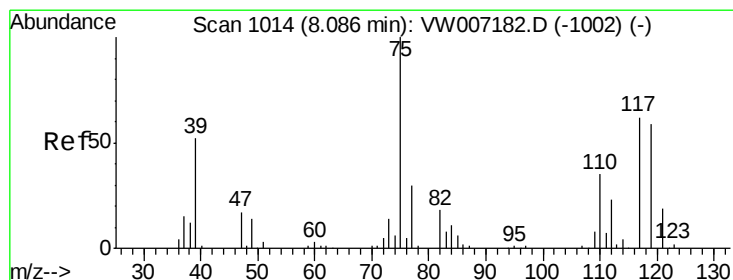
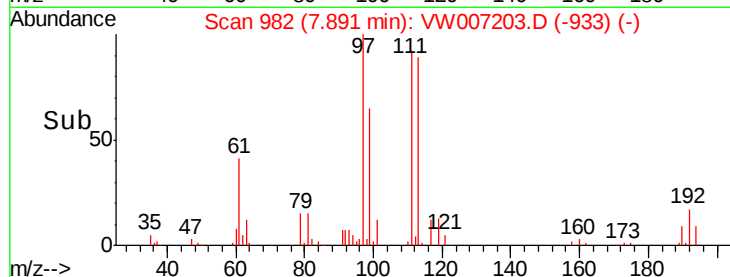
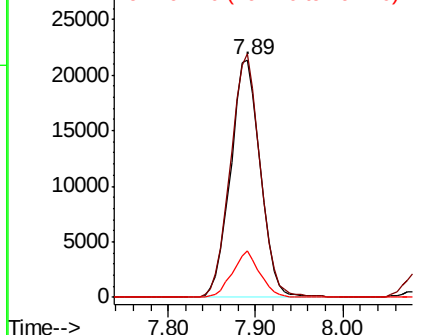
#35
 Dibromofluoromethane
 Concen: 51.995 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 50596
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.4
 192 18.0 14.4 21.6

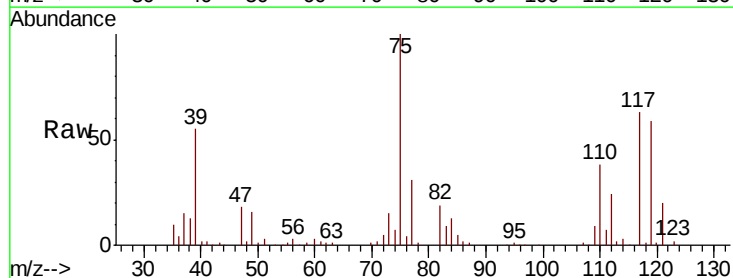


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

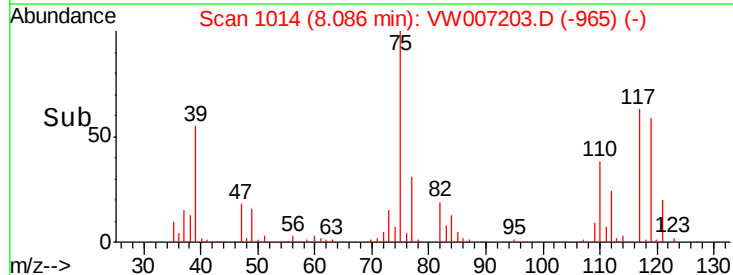
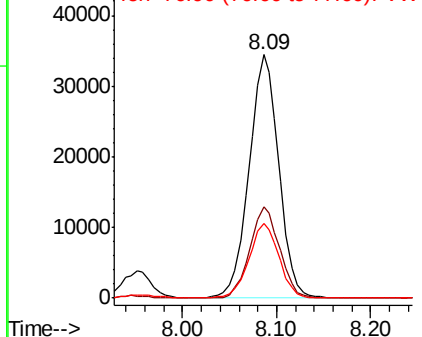


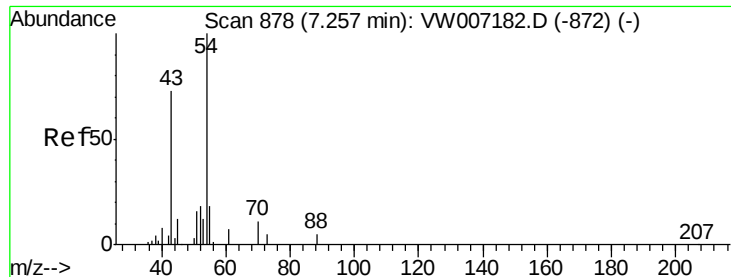
#36
 1,1-Dichloropropene
 Concen: 46.173 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

Tgt Ion: 75 Resp: 76352
 Ion Ratio Lower Upper
 75 100
 110 37.2 18.3 54.9
 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

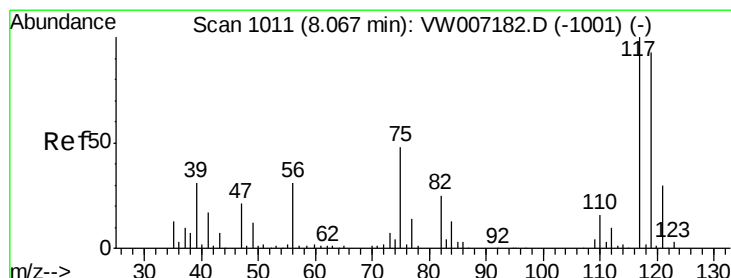
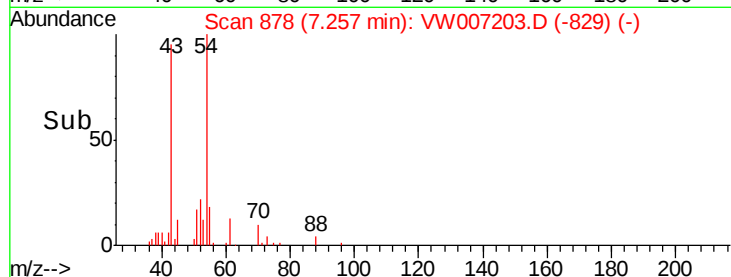
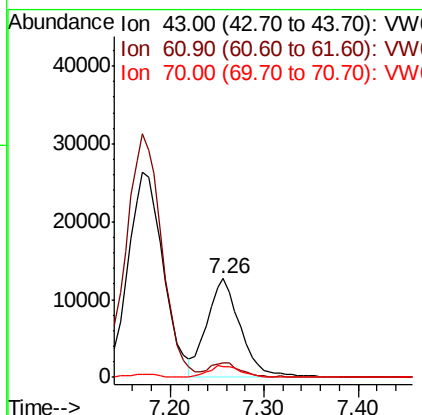
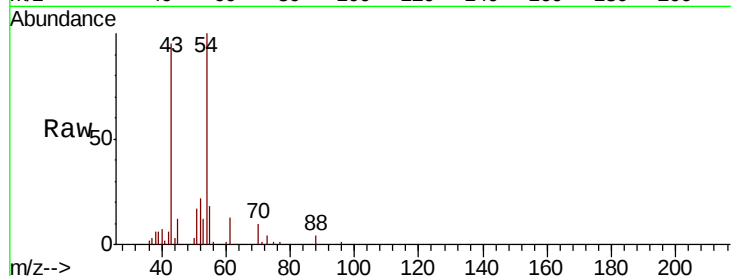




#37
Ethyl Acetate
Concen: 52.141 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

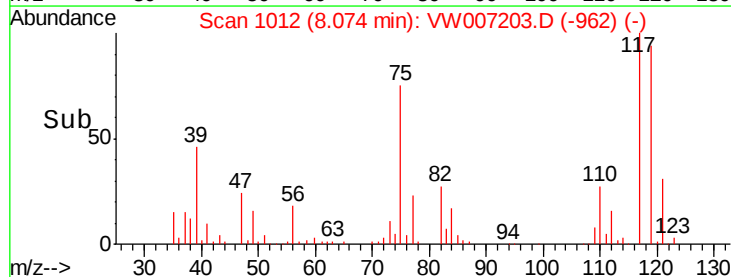
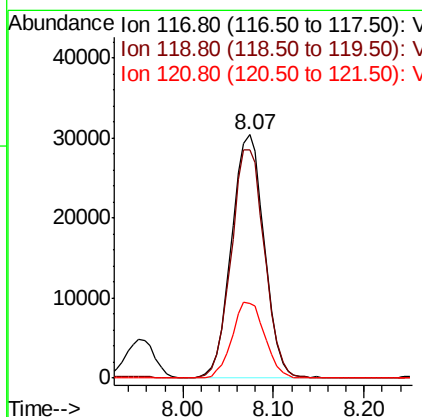
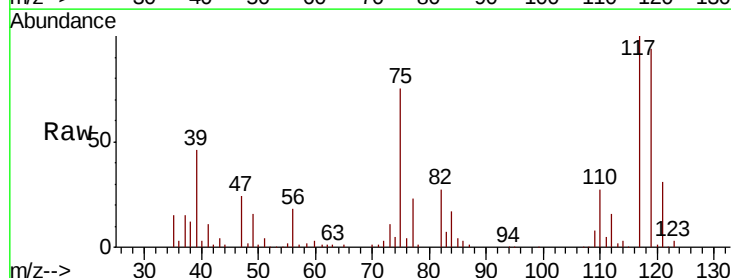
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

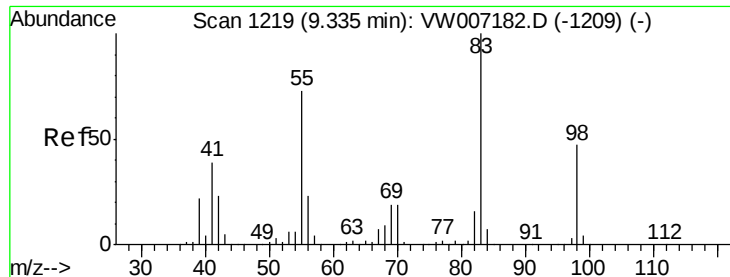
Tot Ion: 43 Resp: 31188
Ion Ratio Lower Upper
43 100
61 14.0 12.1 18.1
70 11.3 9.1 13.7



#38
Carbon Tetrachloride
Concen: 45.267 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

Tgt Ion: 117 Resp: 76400
Ion Ratio Lower Upper
117 100
119 93.5 74.1 111.1
121 30.6 23.9 35.9

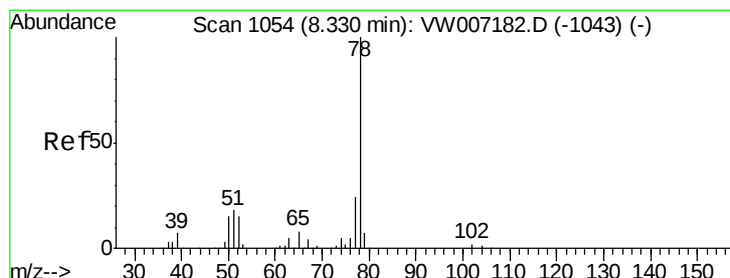
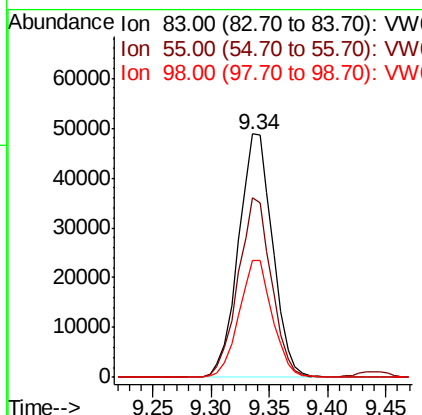
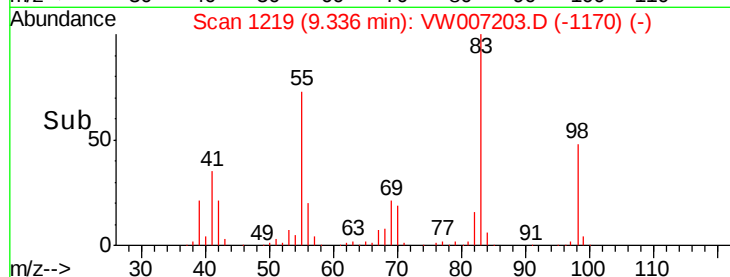
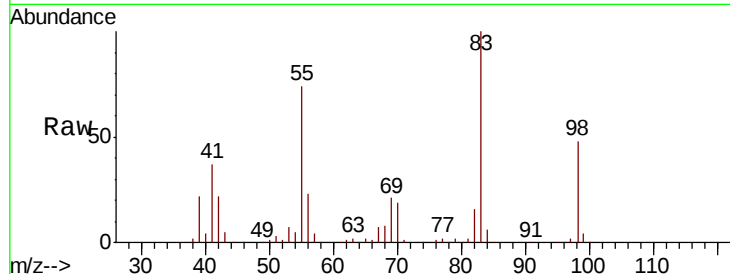




#39
Methvlcvclohexane
Concen: 45.013 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

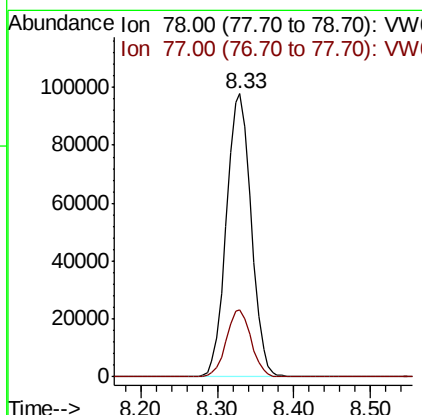
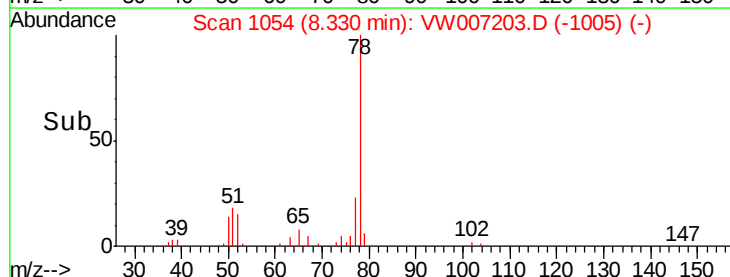
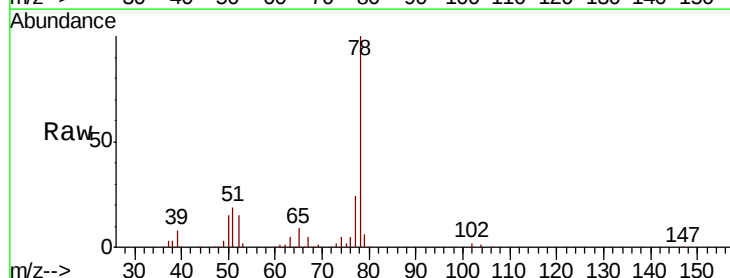
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

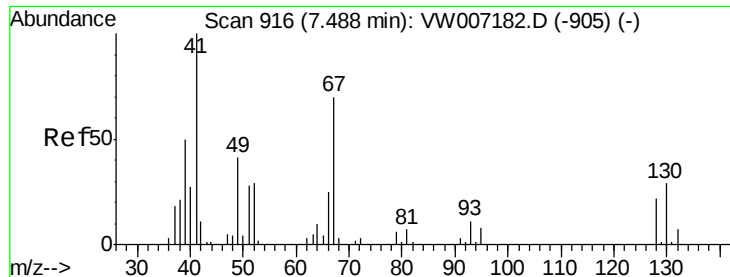
Tot Ion: 83 Resp: 99641
Ion Ratio Lower Upper
83 100
55 73.6 58.1 87.1
98 47.9 37.3 55.9



#40
Benzene
Concen: 48.400 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

Tgt Ion: 78 Resp: 219464
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3

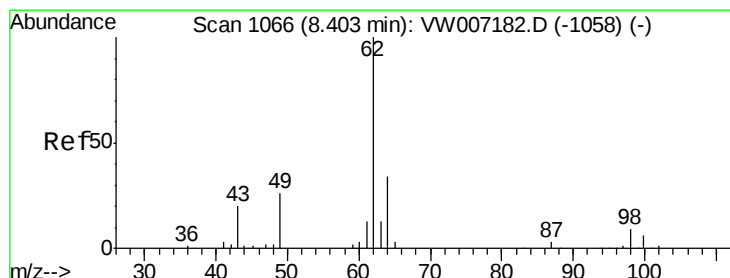
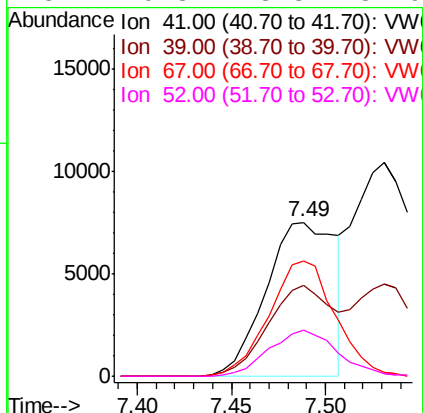
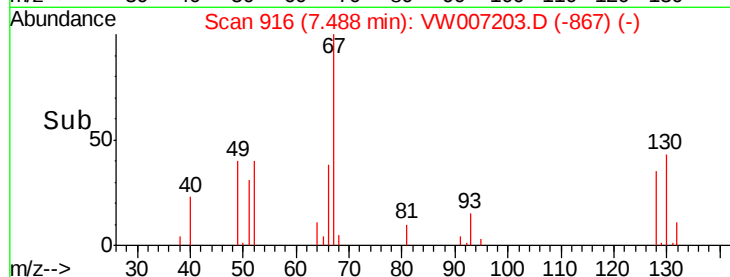
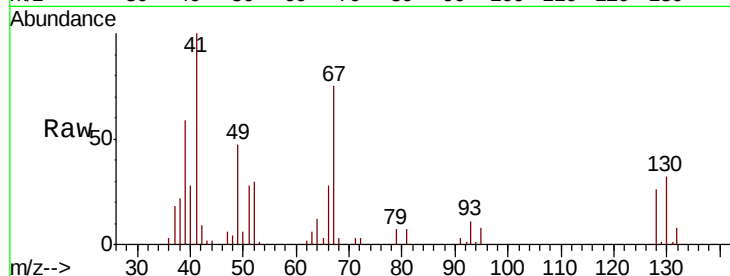




#41
Methacrylonitrile
Concen: 53.833 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

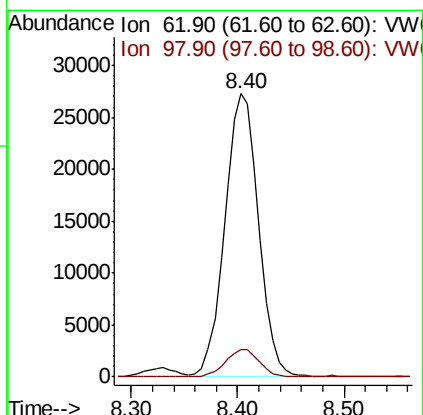
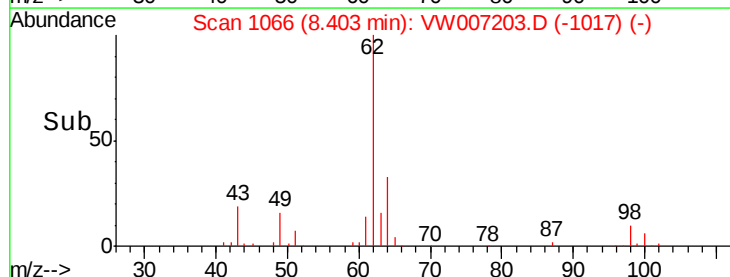
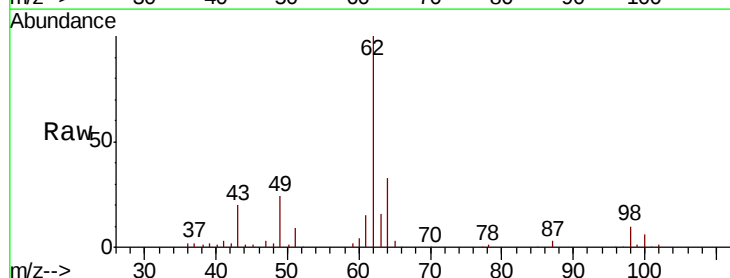
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

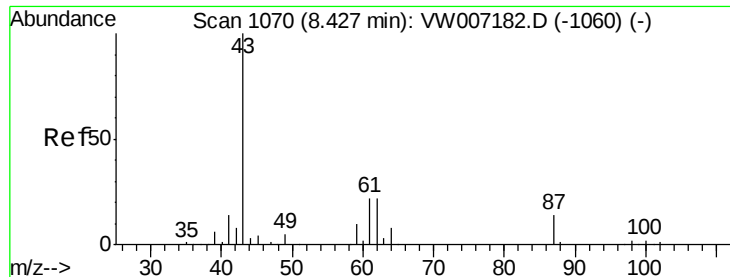
Tot Ion:	41	Resp:	19287
Ion	Ratio	Lower	Upper
41	100		
39	54.2	43.4	65.0
67	70.5	57.4	86.0
52	29.3	23.3	34.9



#42
1,2-Dichloroethane
Concen: 47.665 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

Tgt Ion:	62	Resp:	60404
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	17.8





#43

Isopropyl Acetate

Concen: 52.650 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

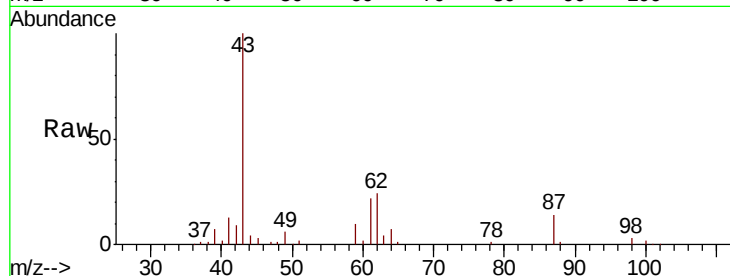
Tot Ion: 43 Resp: 61165

Ion Ratio Lower Upper

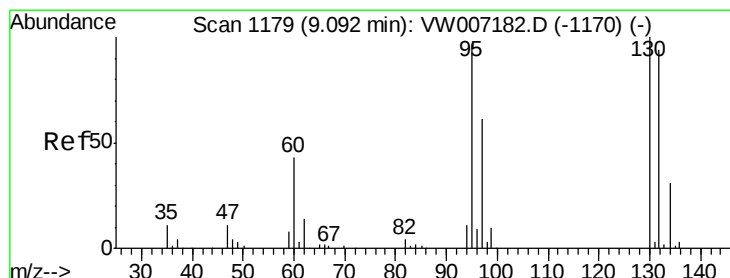
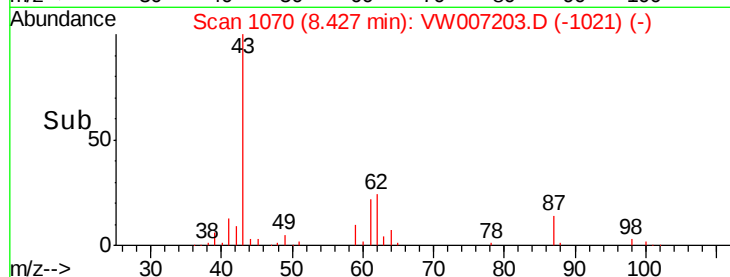
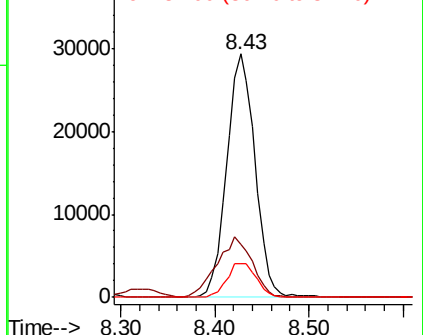
43 100

61 30.8 25.4 38.0

87 14.7 11.4 17.0



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



#44

Trichloroethene

Concen: 47.614 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW007203.D

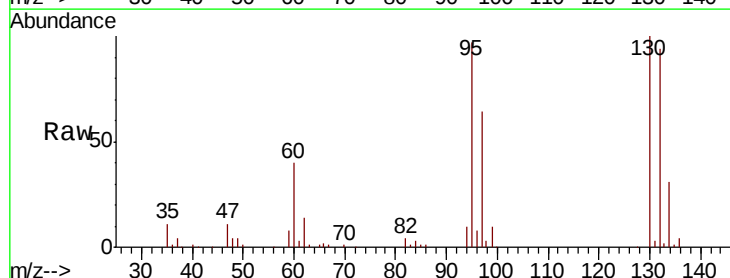
Acq: 04 Dec 2018 23:44

Tgt Ion:130 Resp: 60688

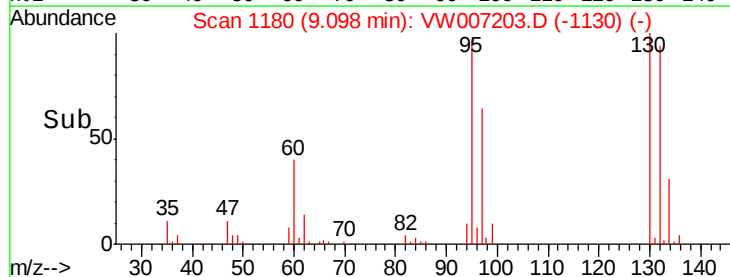
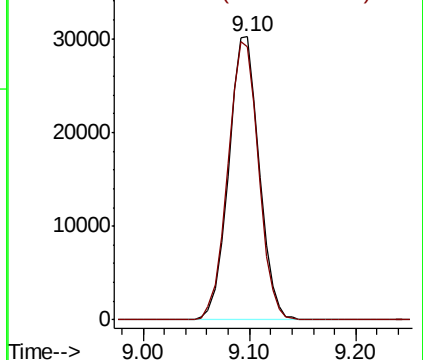
Ion Ratio Lower Upper

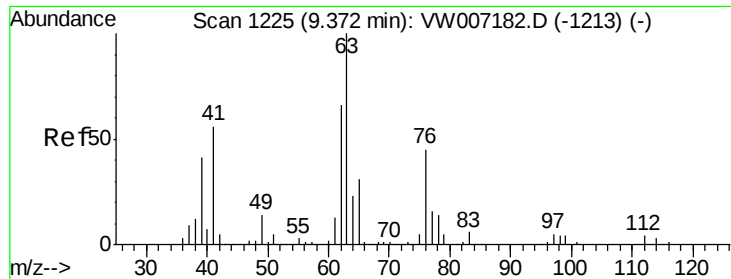
130 100

95 96.5 0.0 194.0



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

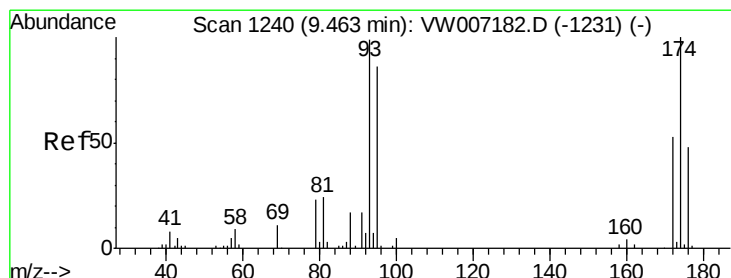
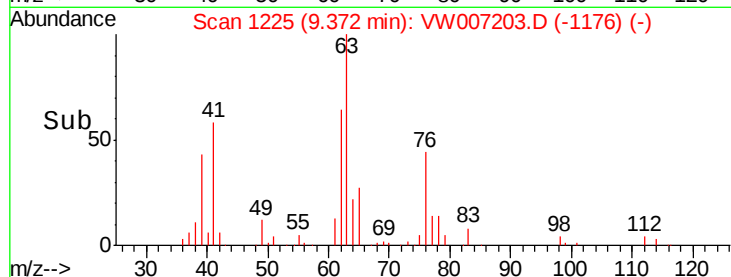
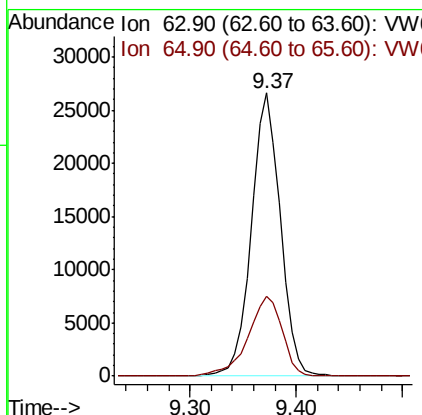
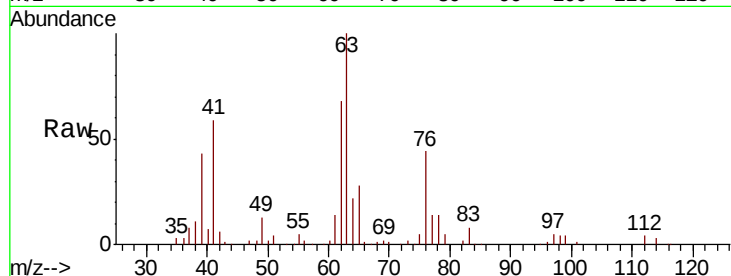




#45
 1,2-Dichloropropane
 Concen: 48.104 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

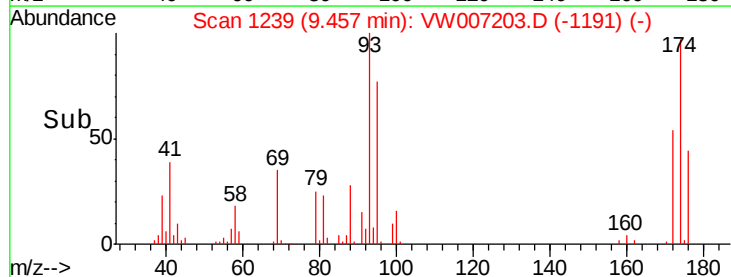
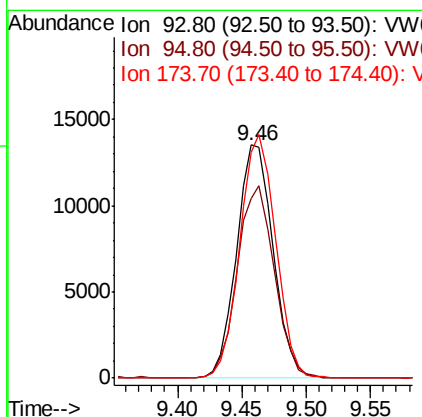
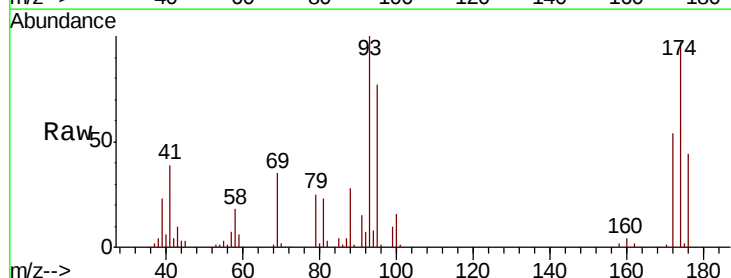
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

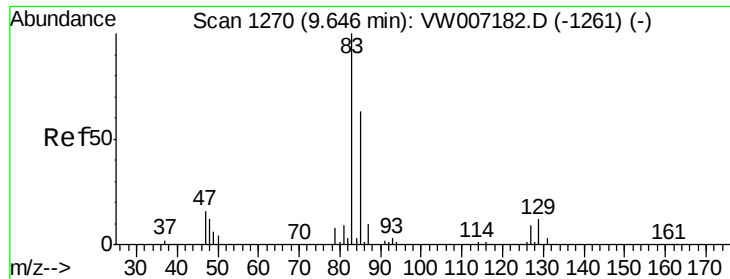
Tot Ion: 63 Resp: 50758
 Ion Ratio Lower Upper
 63 100
 65 28.1 25.0 37.4



#46
 Dibromomethane
 Concen: 48.566 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

Tgt Ion: 93 Resp: 26629
 Ion Ratio Lower Upper
 93 100
 95 83.5 68.7 103.1
 174 102.0 82.9 124.3





#47

Bromodichloromethane

Concen: 47.299 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

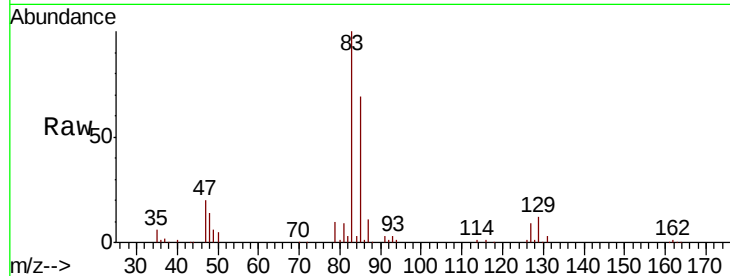
Tot Ion: 83 Resp: 68218

Ion Ratio Lower Upper

83 100

85 68.6 50.6 76.0

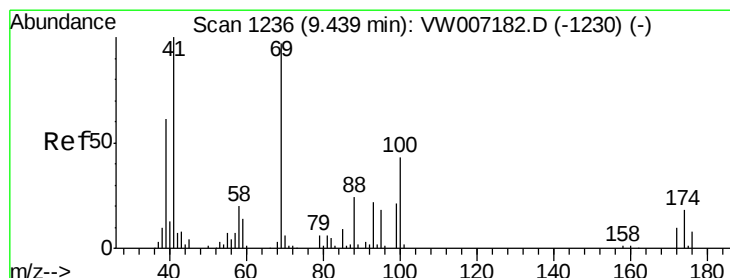
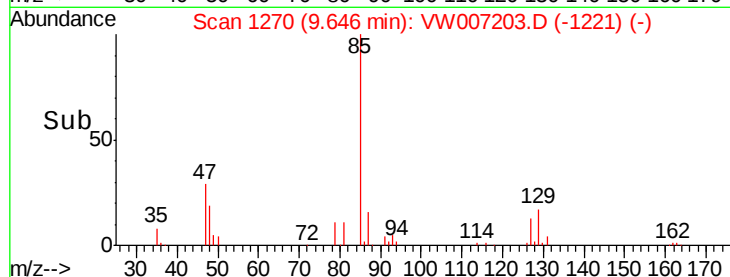
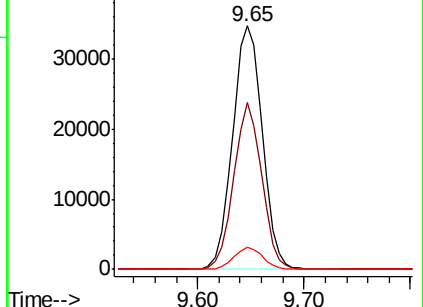
127 9.1 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 52.639 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

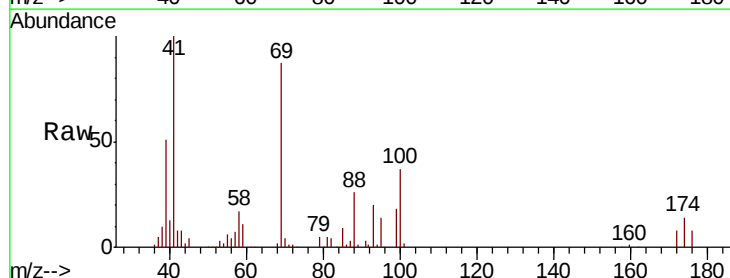
Tgt Ion: 41 Resp: 31738

Ion Ratio Lower Upper

41 100

69 88.9 69.6 104.4

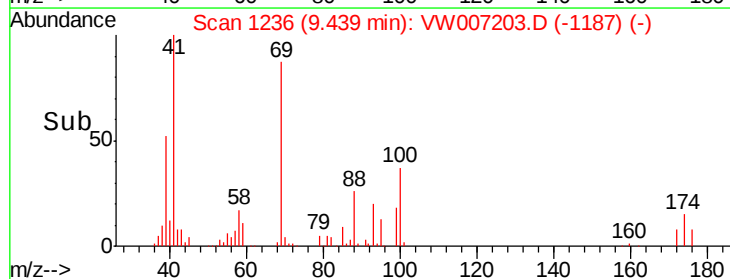
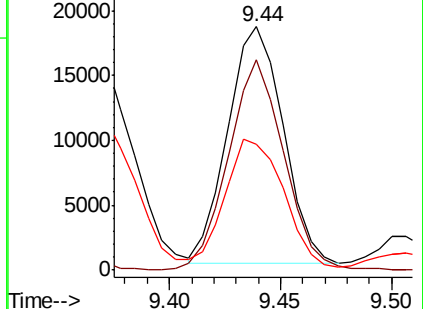
39 56.2 42.4 63.6

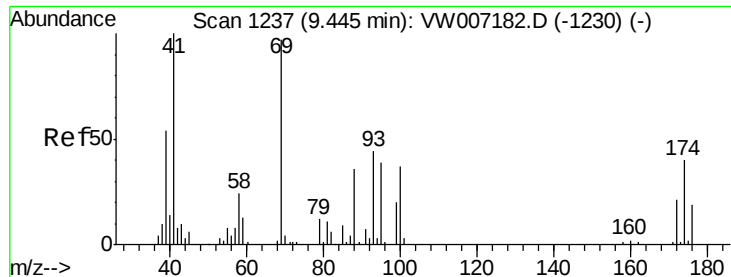


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1162.838 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

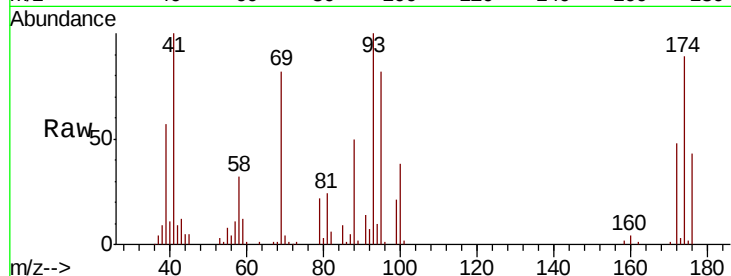
Tot Ion: 88 Resp: 11138

Ion Ratio Lower Upper

88 100

43 32.8 25.8 38.8

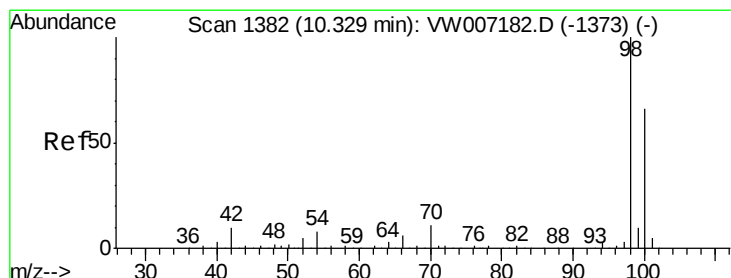
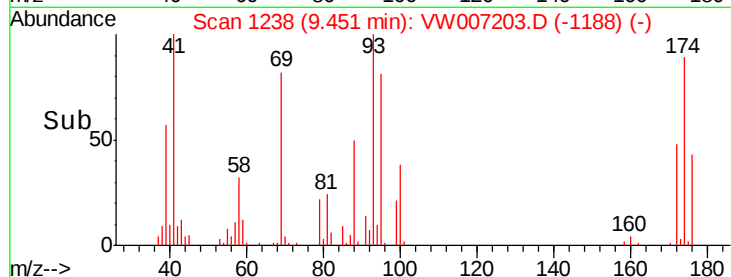
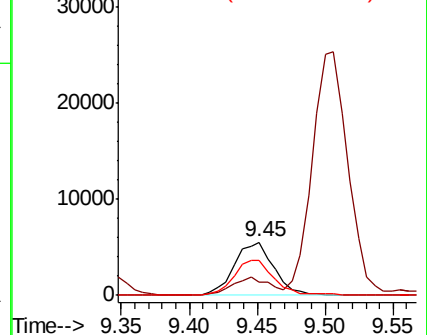
58 67.7 58.9 88.3



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.954 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW007203.D

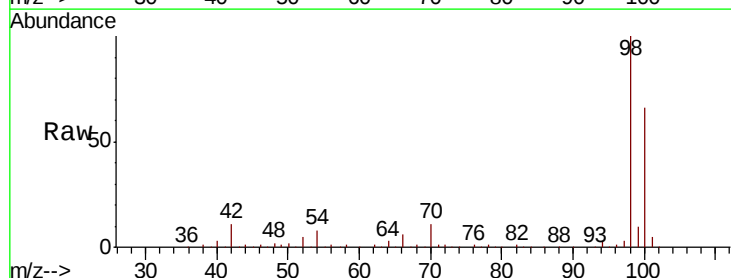
Acq: 04 Dec 2018 23:44

Tgt Ion: 98 Resp: 222700

Ion Ratio Lower Upper

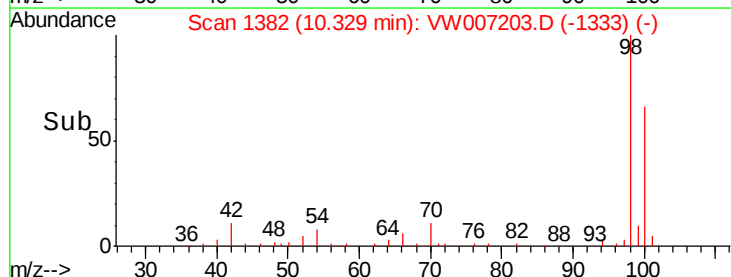
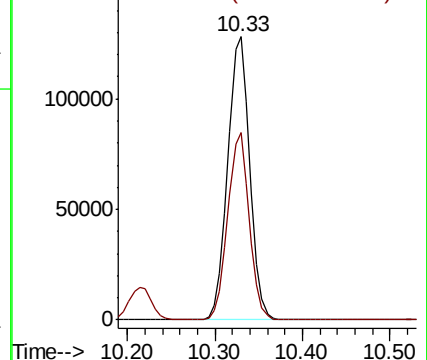
98 100

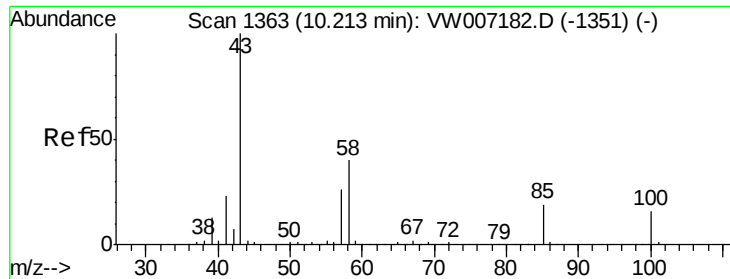
100 64.5 52.7 79.1



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: 273.090 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

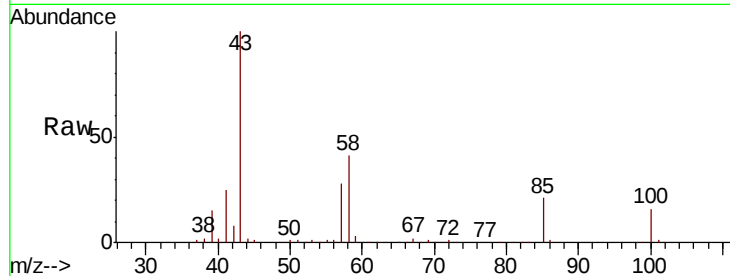
VSTDCCC050

Tot Ion: 43 Resp: 156344

Ion Ratio Lower Upper

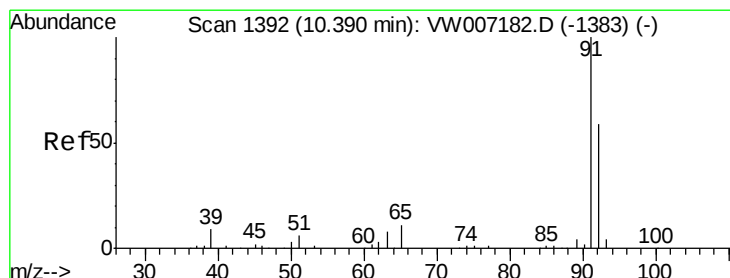
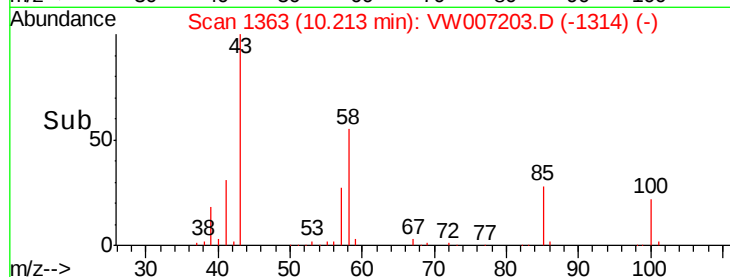
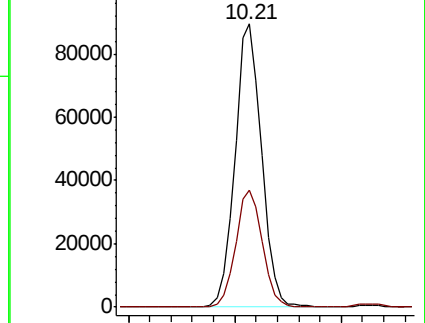
43 100

58 41.4 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 47.774 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007203.D

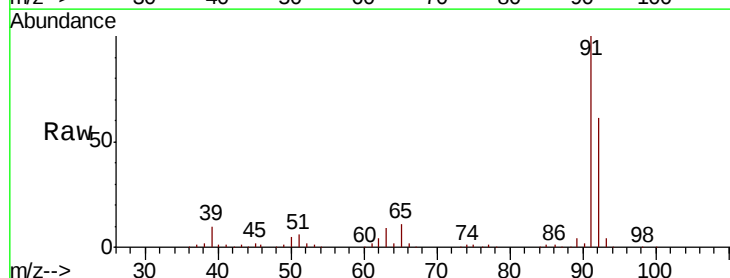
Acq: 04 Dec 2018 23:44

Tgt Ion: 92 Resp: 150688

Ion Ratio Lower Upper

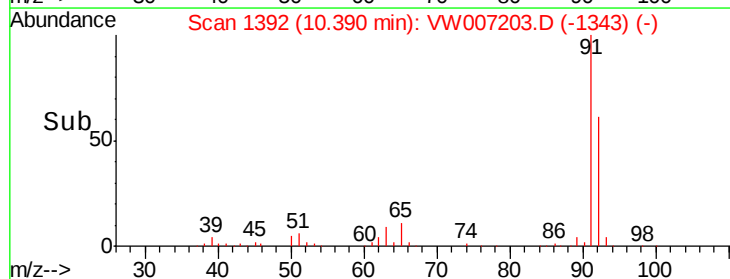
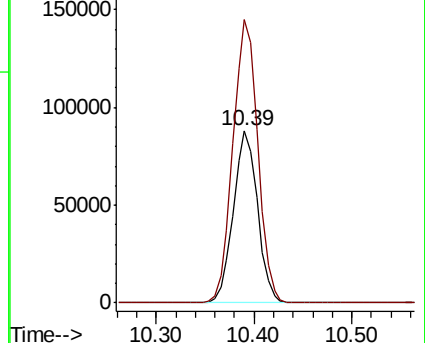
92 100

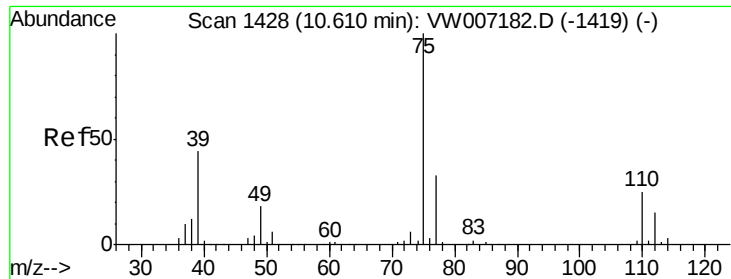
91 169.5 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 49.065 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

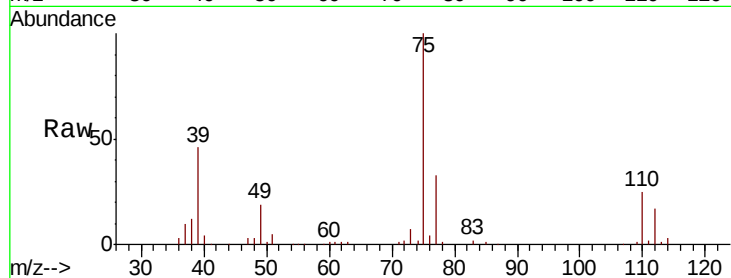
VSTDCCC050

Tot Ion: 75 Resp: 71147

Ion Ratio Lower Upper

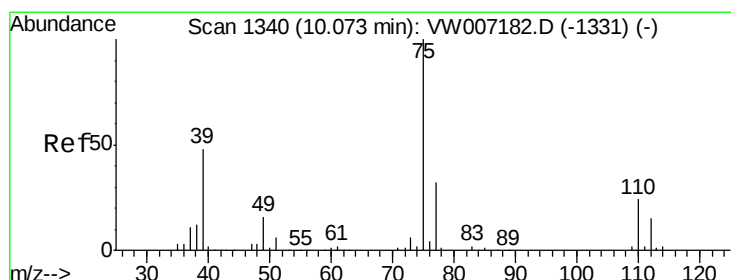
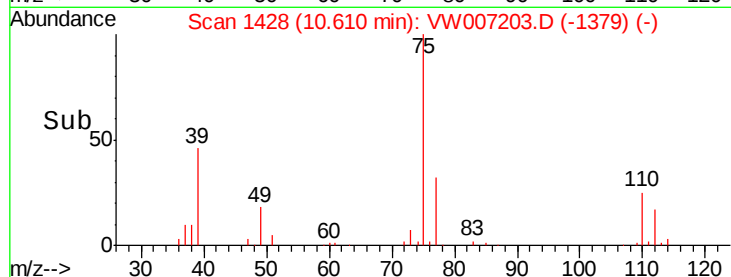
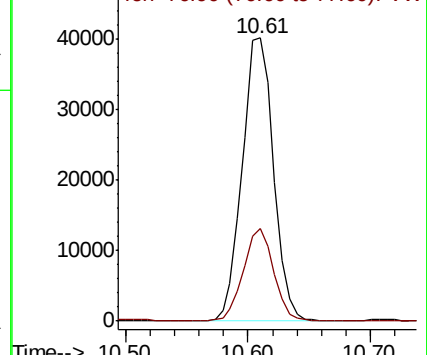
75 100

77 32.4 26.2 39.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 47.717 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

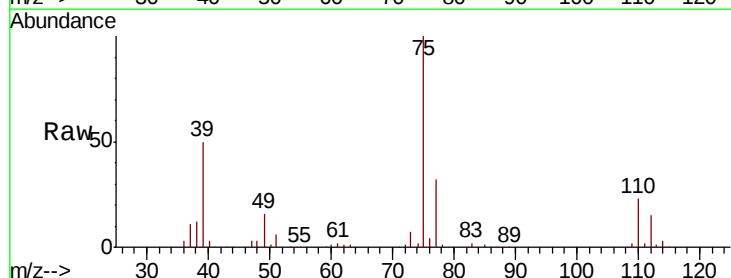
Tgt Ion: 75 Resp: 81087

Ion Ratio Lower Upper

75 100

77 32.0 26.0 39.0

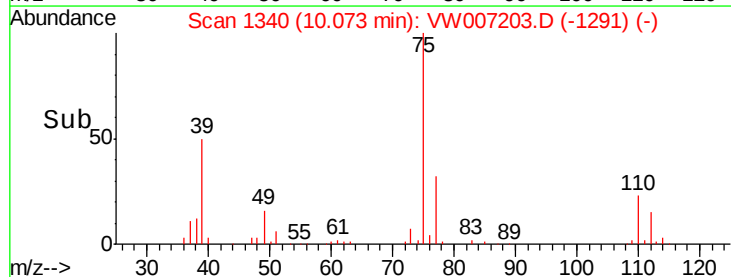
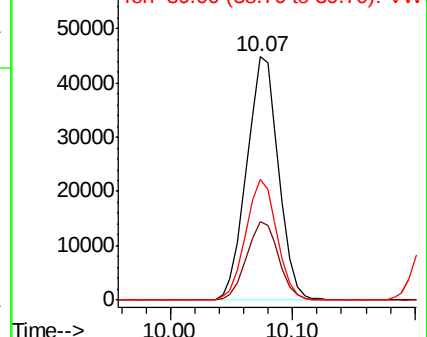
39 49.8 38.0 57.0

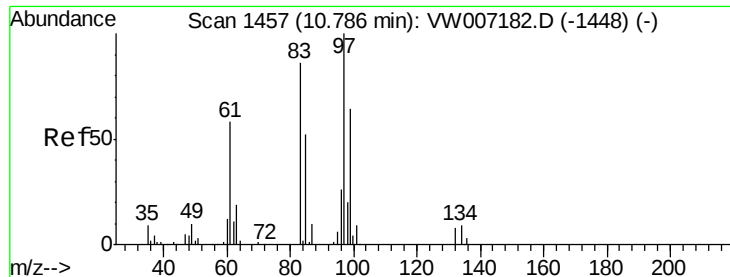


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 49.832 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 38865

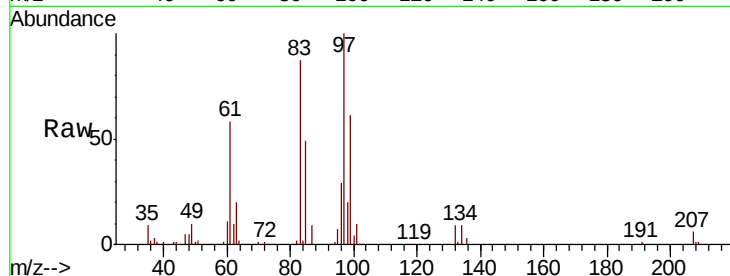
Ion Ratio Lower Upper

97 100

83 86.8 68.6 102.8

85 49.3 41.4 62.2

99 60.8 51.2 76.8



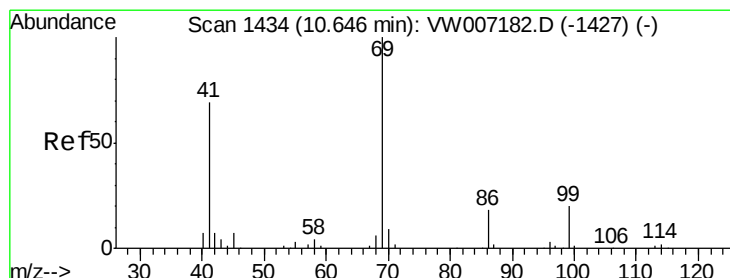
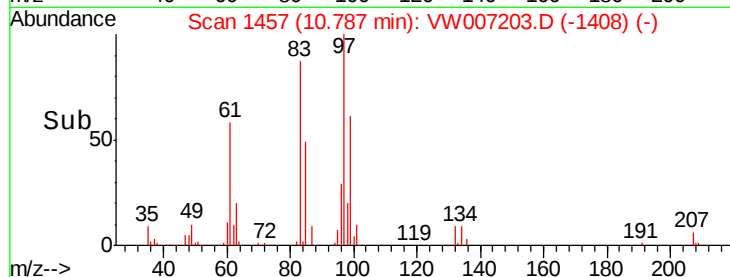
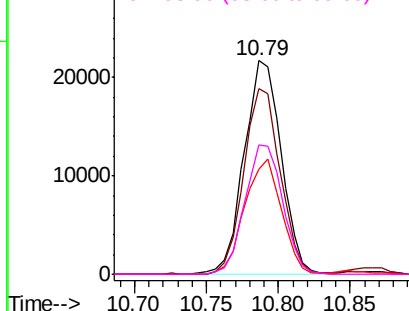
Abundance

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: 54.767 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

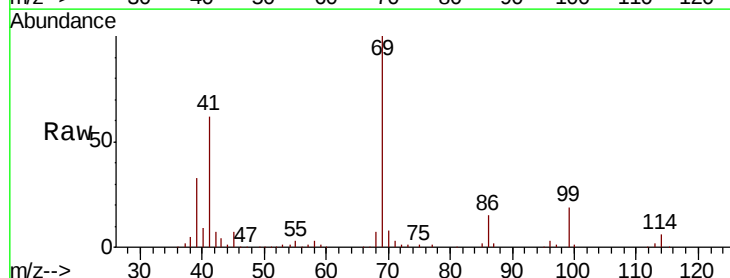
Tgt Ion: 69 Resp: 55717

Ion Ratio Lower Upper

69 100

41 64.0 51.8 77.6

39 33.9 28.7 43.1

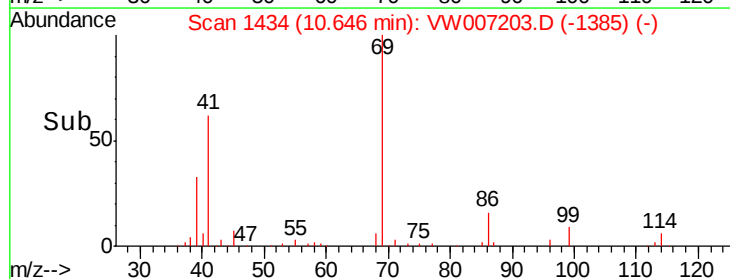
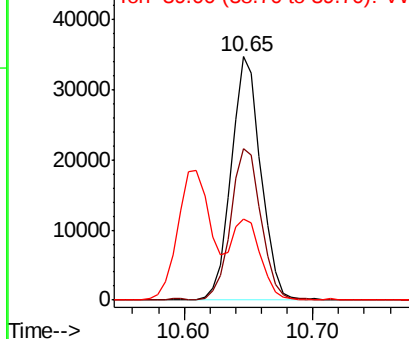


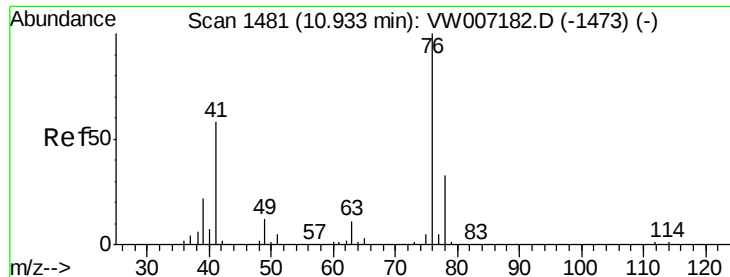
Abundance

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: 49.605 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

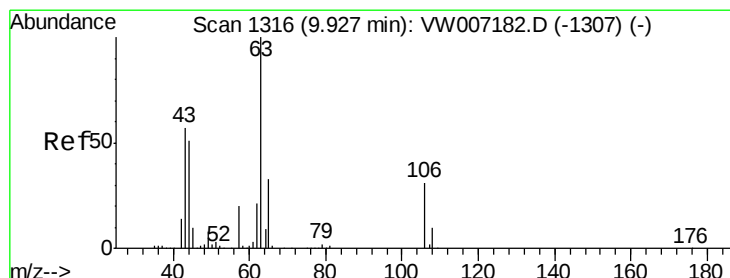
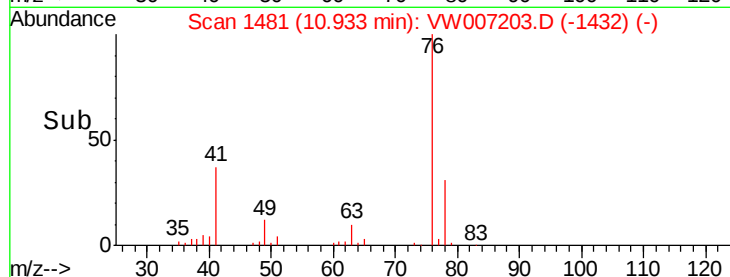
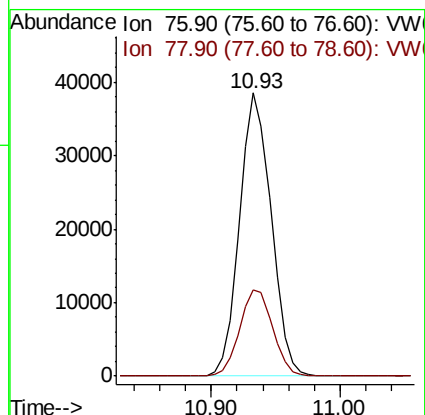
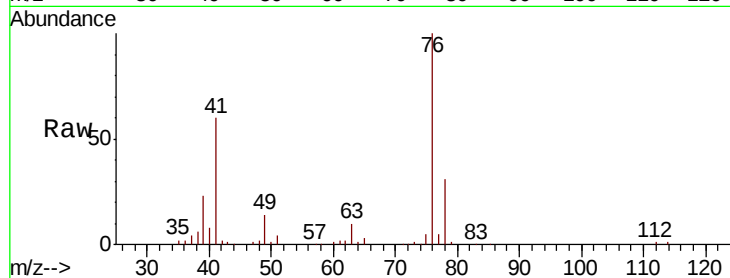
VSTDCCC050

Tot Ion: 76 Resp: 65317

Ion Ratio Lower Upper

76 100

78 31.7 26.6 40.0



#58

2-Chloroethyl Vinyl ether

Concen: 269.432 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW007203.D

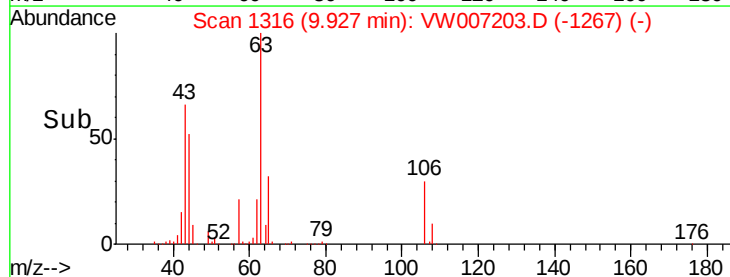
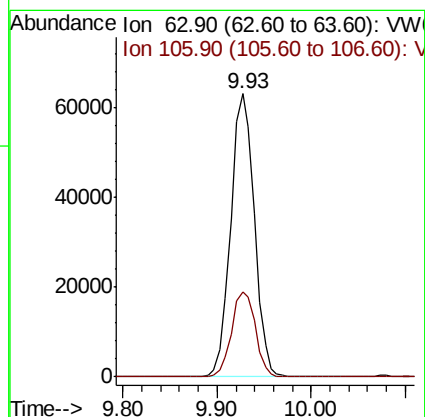
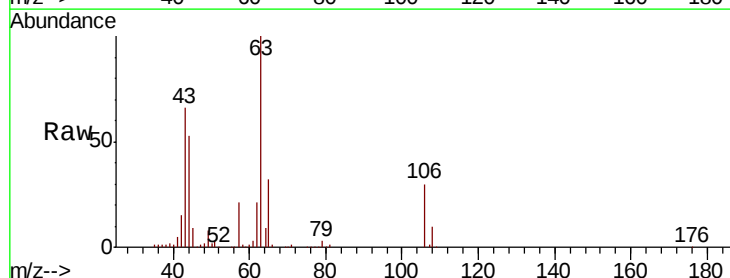
Acq: 04 Dec 2018 23:44

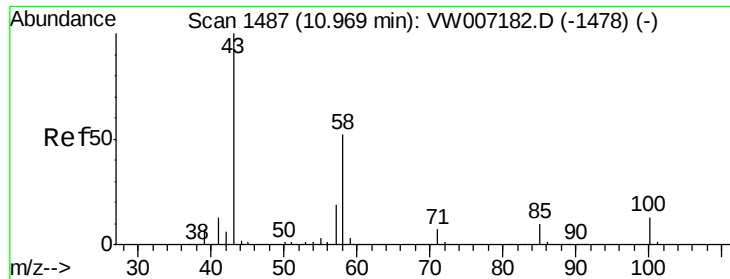
Tgt Ion: 63 Resp: 110099

Ion Ratio Lower Upper

63 100

106 30.3 24.1 36.1

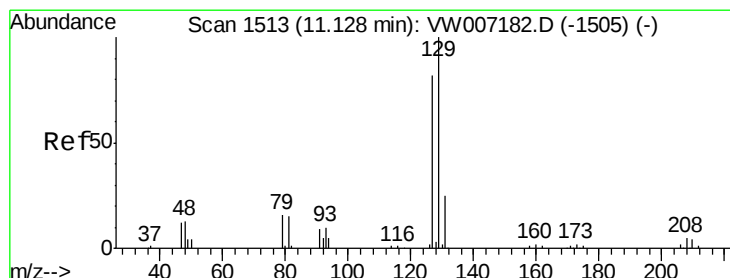
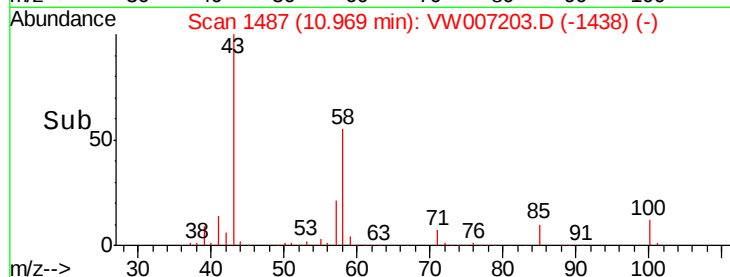
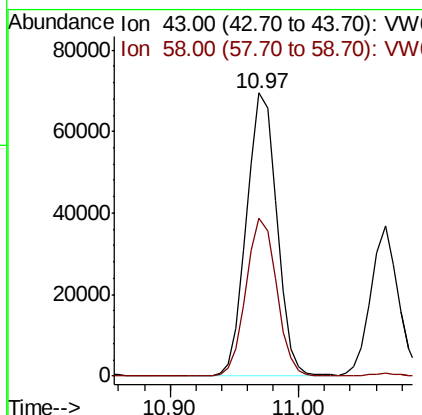
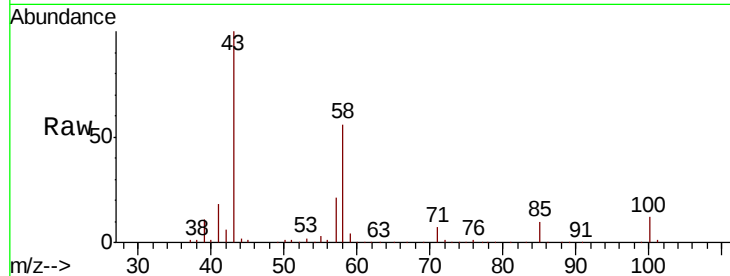




#59
2-Hexanone
Concen: 272.547 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

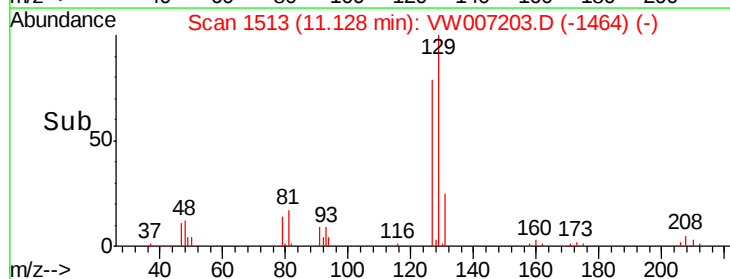
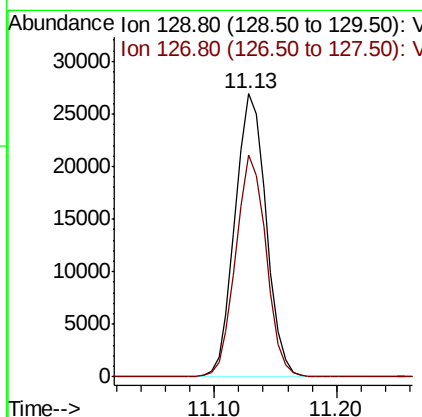
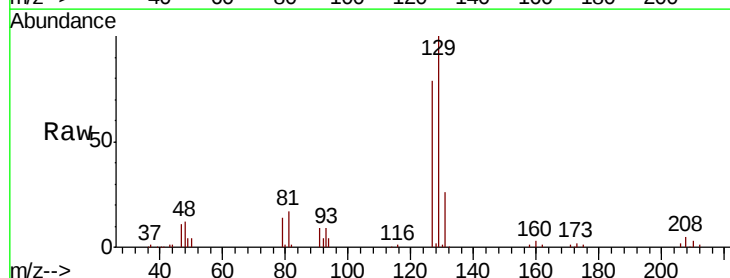
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

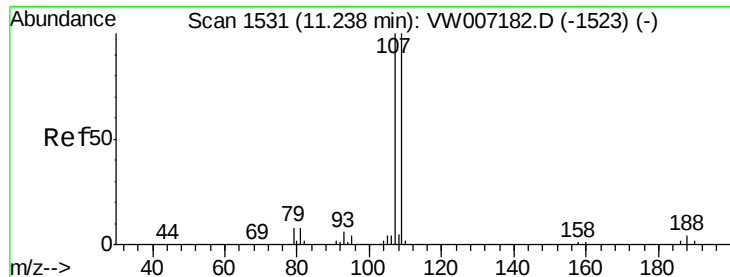
Tot Ion: 43 Resp: 113111
Ion Ratio Lower Upper
43 100
58 56.2 28.1 84.4



#60
Dibromochloromethane
Concen: 49.627 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

Tgt Ion: 129 Resp: 47570
Ion Ratio Lower Upper
129 100
127 76.7 39.8 119.4

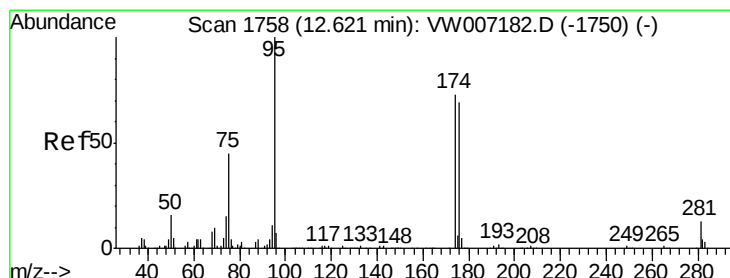
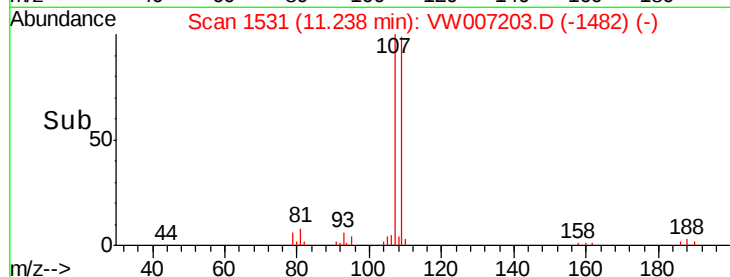
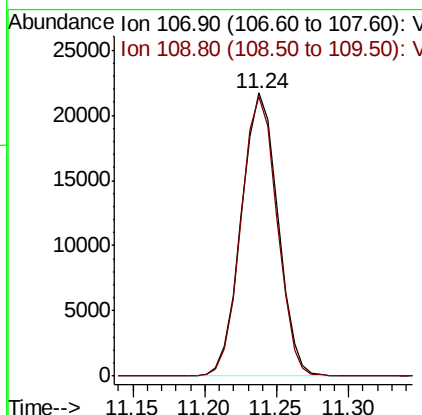
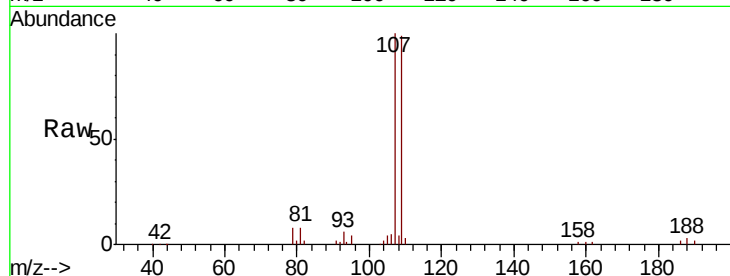




#61
 1,2-Dibromoethane
 Concen: 51.078 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

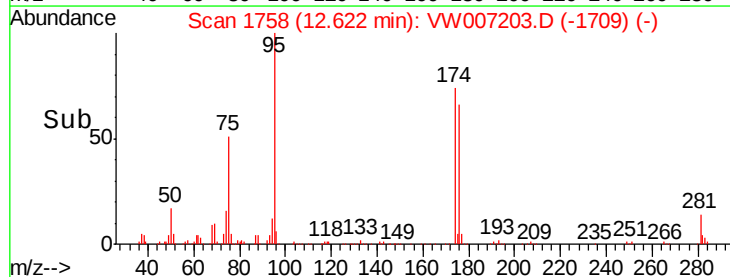
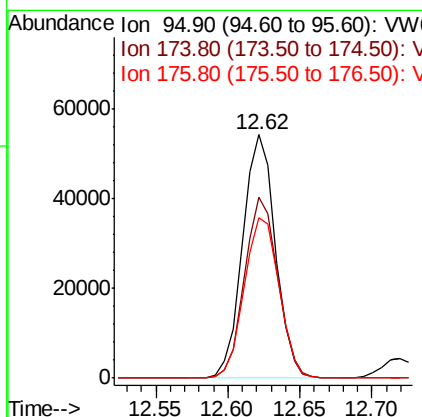
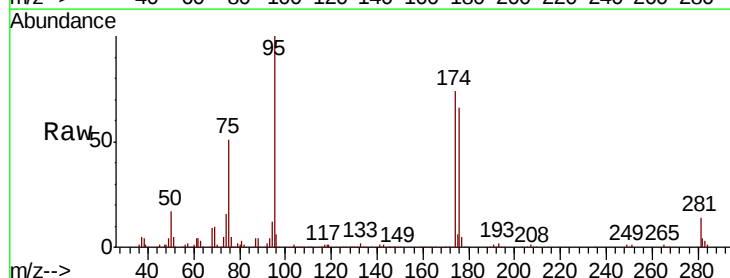
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

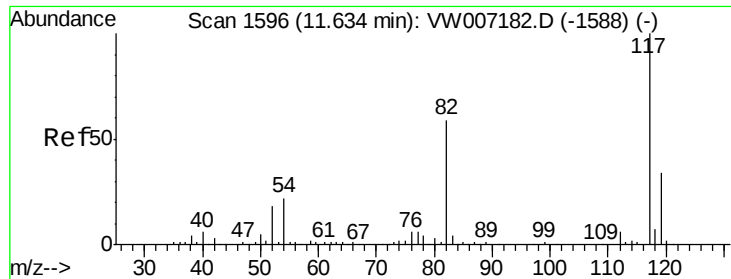
Tot Ion:107 Resp: 38209
 Ion Ratio Lower Upper
 107 100
 109 97.0 77.3 115.9



#62
 4-Bromofluorobenzene
 Concen: 52.568 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

Tgt Ion: 95 Resp: 85050
 Ion Ratio Lower Upper
 95 100
 174 75.1 0.0 148.0
 176 70.3 0.0 139.4

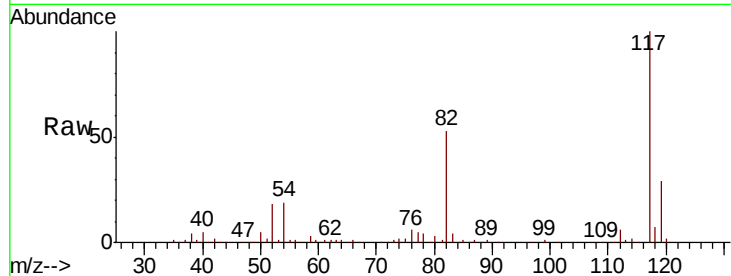




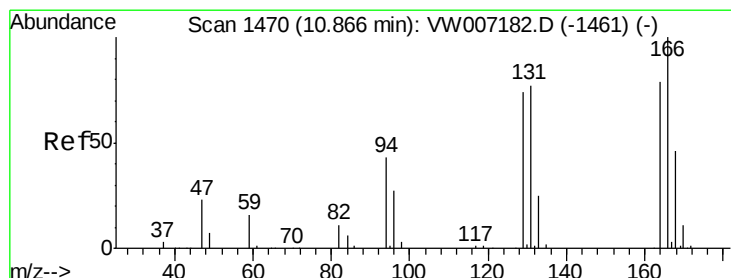
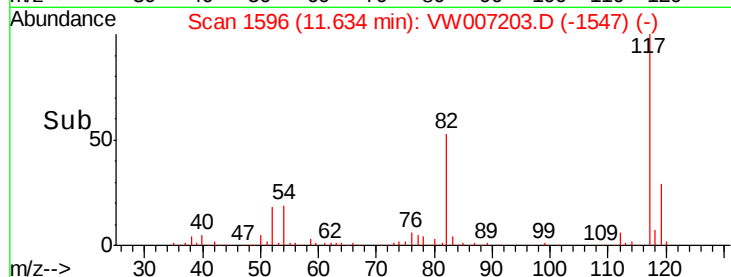
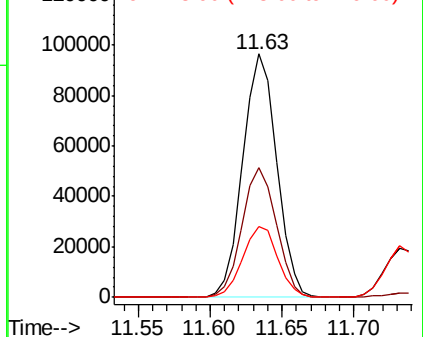
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 157638
Ion Ratio Lower Upper
117 100
82 53.1 47.4 71.2
119 29.2 26.8 40.2

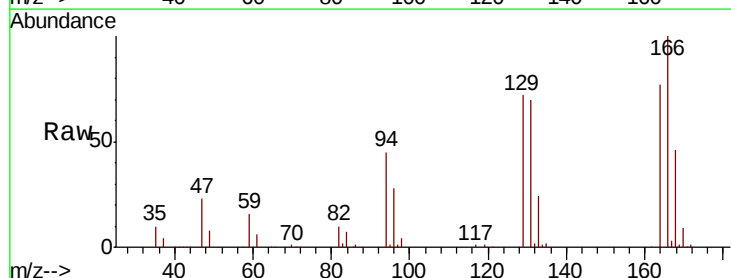


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

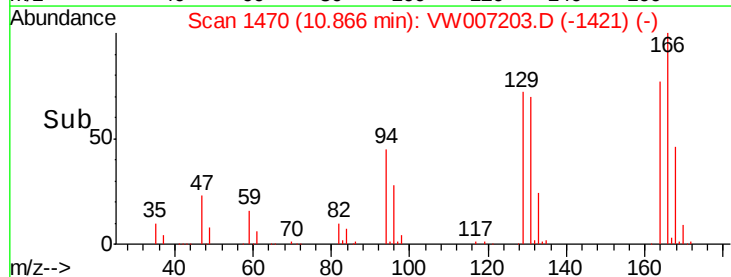
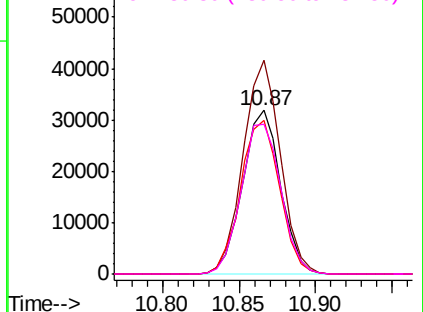


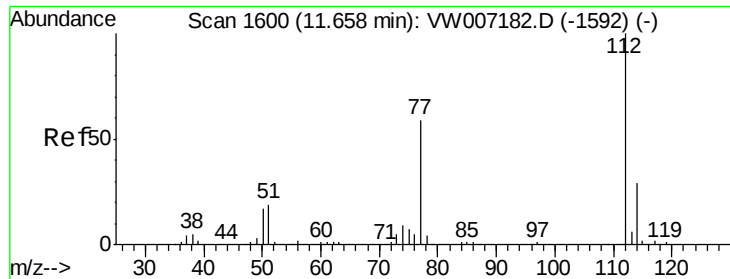
#64
Tetrachloroethene
Concen: 47.984 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

Tgt Ion:164 Resp: 55264
Ion Ratio Lower Upper
164 100
166 130.5 101.0 151.4
129 94.1 74.6 111.8
131 91.3 77.6 116.4



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

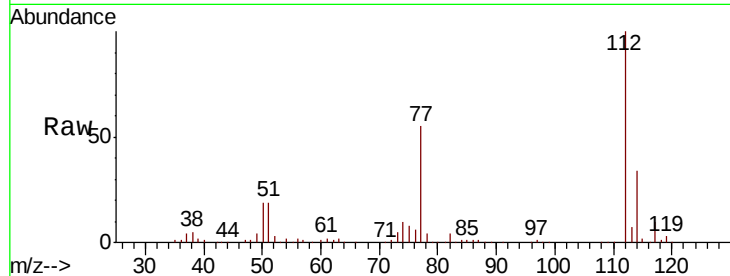




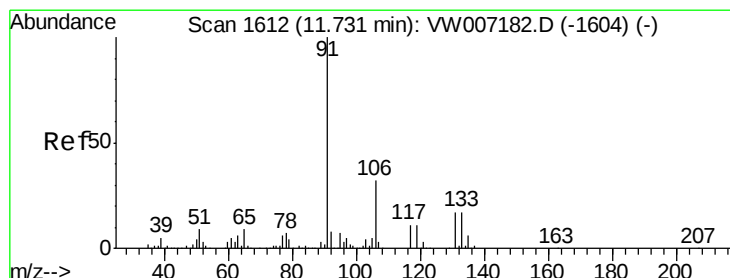
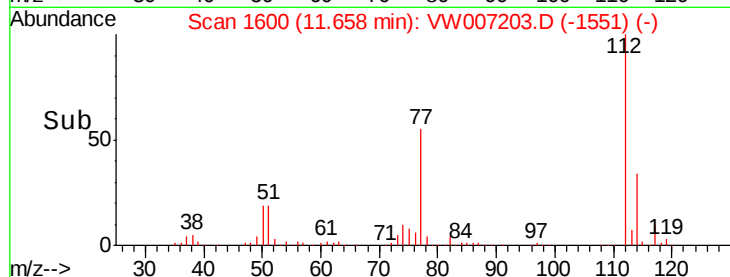
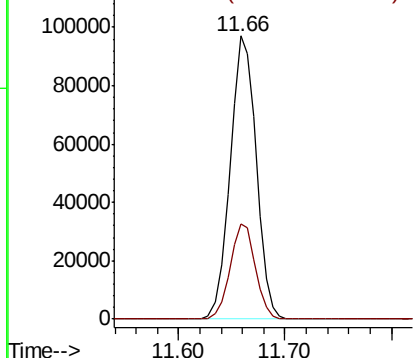
#65
Chlorobenzene
Concen: 47.252 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 166357
Ion Ratio Lower Upper
112 100
114 33.7 23.0 34.4

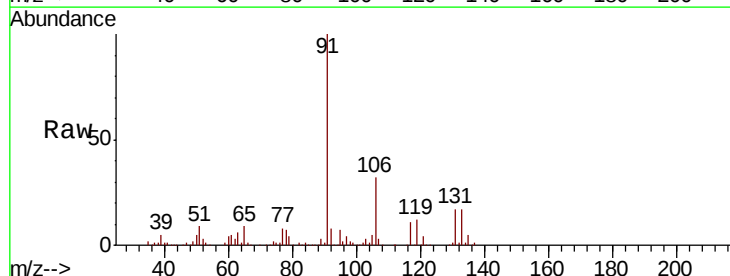


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

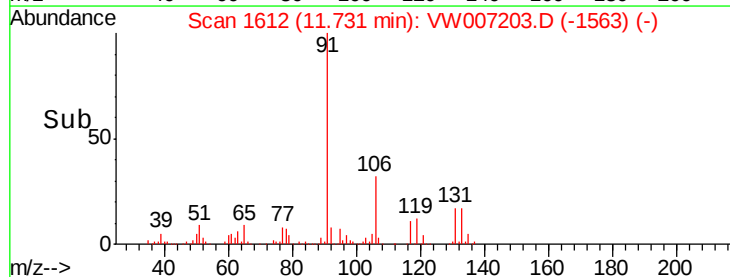
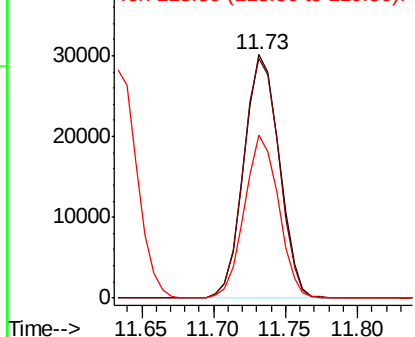


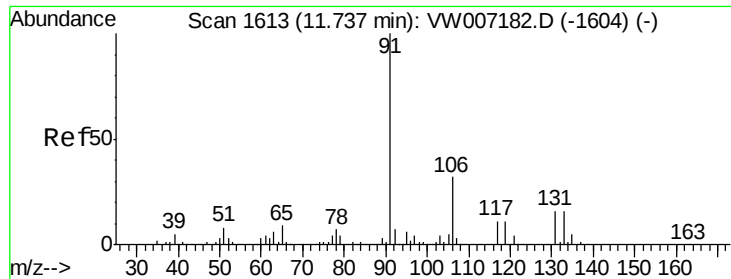
#66
1,1,1,2-Tetrachloroethane
Concen: 47.085 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

Tgt Ion:131 Resp: 51196
Ion Ratio Lower Upper
131 100
133 98.8 48.0 144.2
119 64.7 32.8 98.4



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

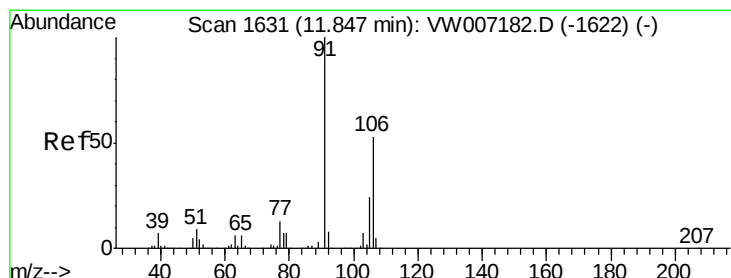
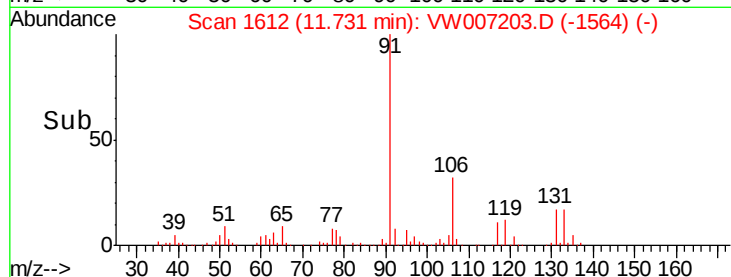
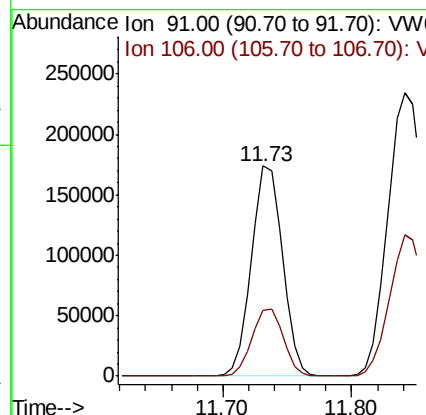
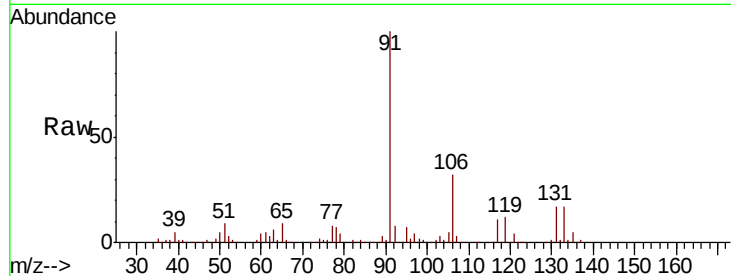




#67
Ethyl Benzene
Concen: 45.098 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

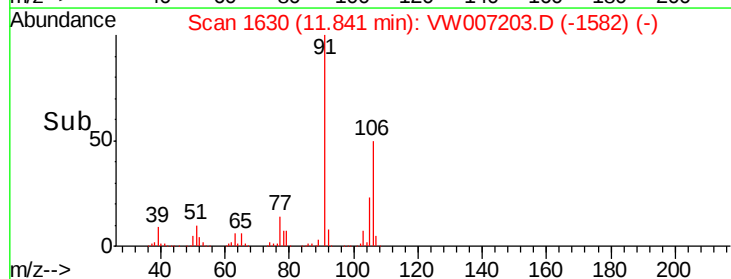
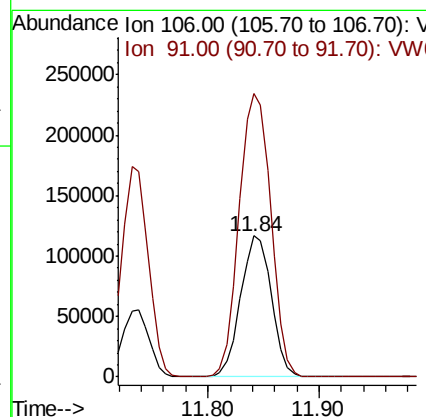
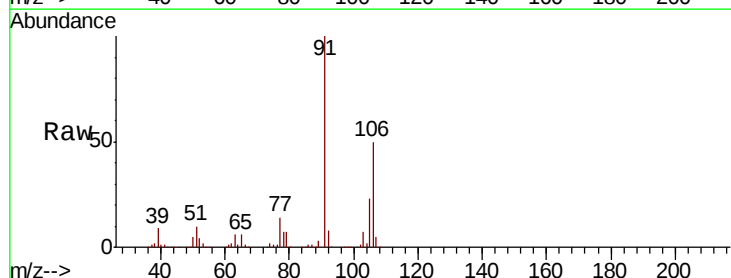
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

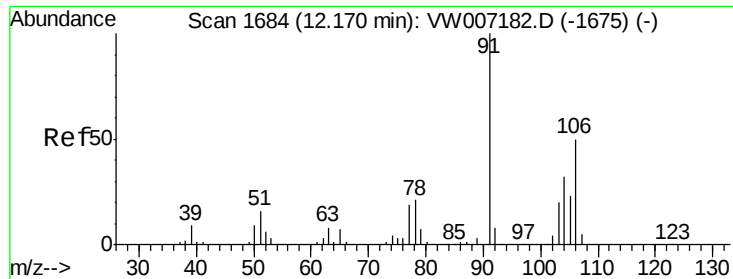
Tot Ion: 91 Resp: 289379
Ion Ratio Lower Upper
91 100
106 31.6 26.0 39.0



#68
m/p-Xylenes
Concen: 88.530 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

Tgt Ion: 106 Resp: 222856
Ion Ratio Lower Upper
106 100
91 207.6 160.2 240.4

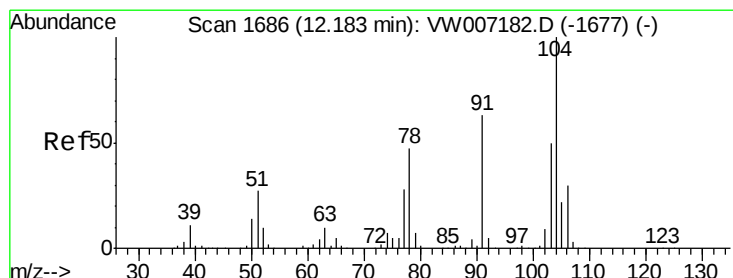
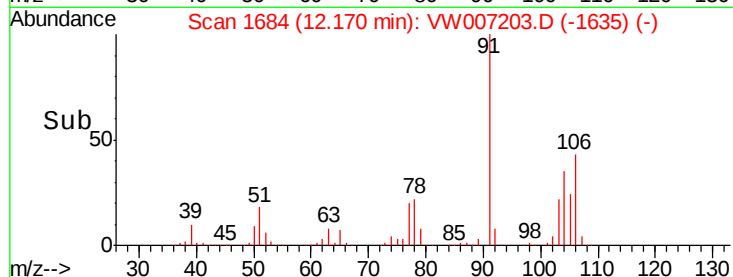
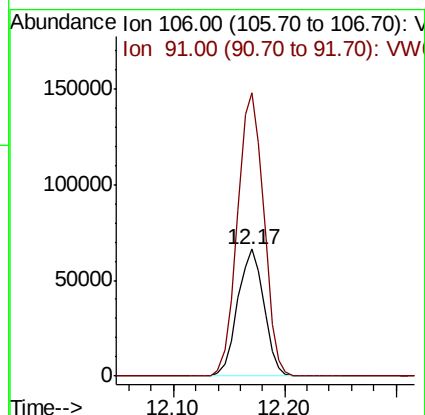
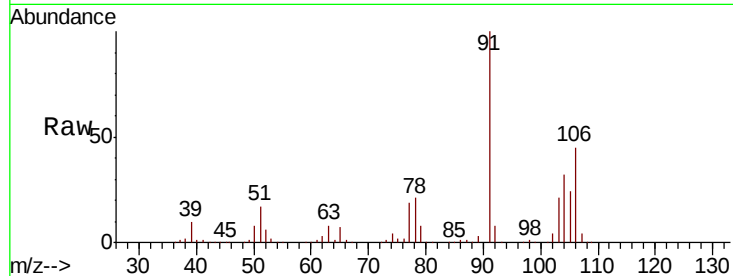




#69
o-Xylene
Concen: 46.006 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

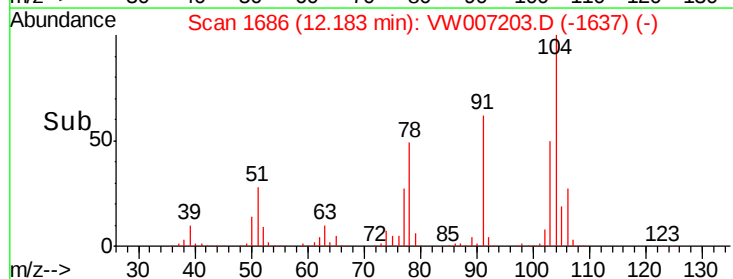
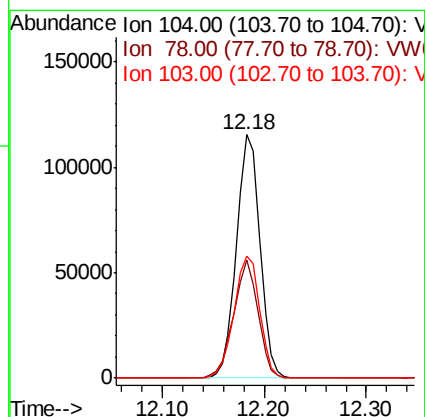
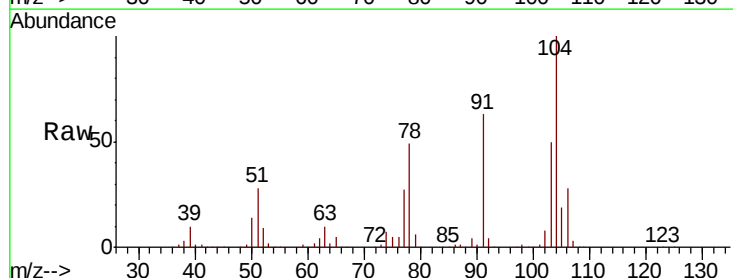
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

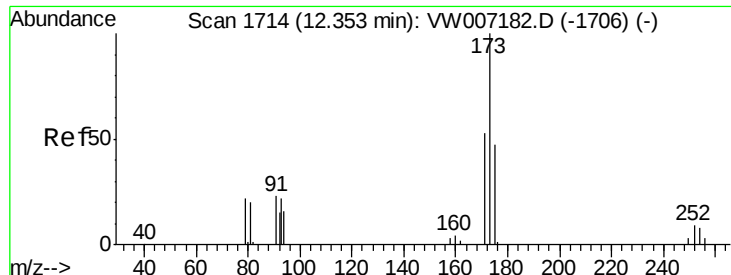
Tot Ion:106 Resp: 108201
Ion Ratio Lower Upper
106 100
91 223.3 104.9 314.7



#70
Styrene
Concen: 47.547 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007203.D
Acq: 04 Dec 2018 23:44

Tgt Ion:104 Resp: 183055
Ion Ratio Lower Upper
104 100
78 50.8 40.6 60.8
103 55.0 43.0 64.4





#71

Bromoform

Concen: 52.385 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

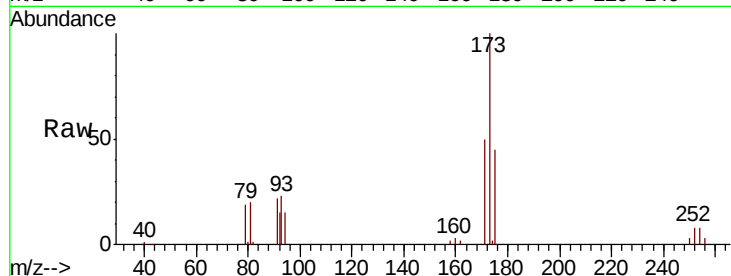
Tot Ion:173 Resp: 28513

Ion Ratio Lower Upper

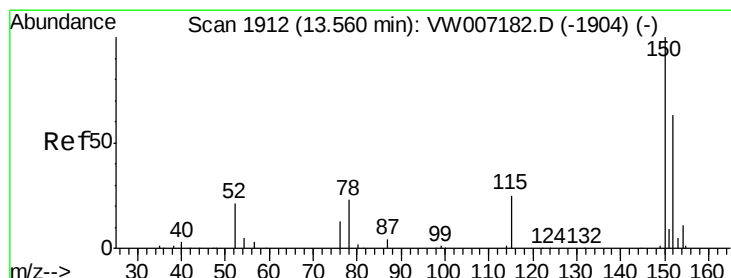
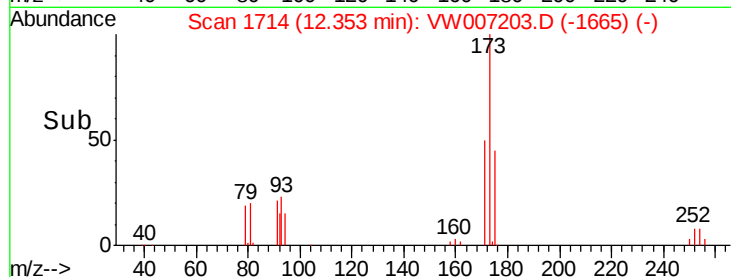
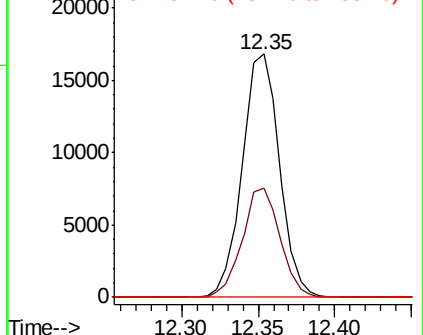
173 100

175 45.4 24.0 72.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

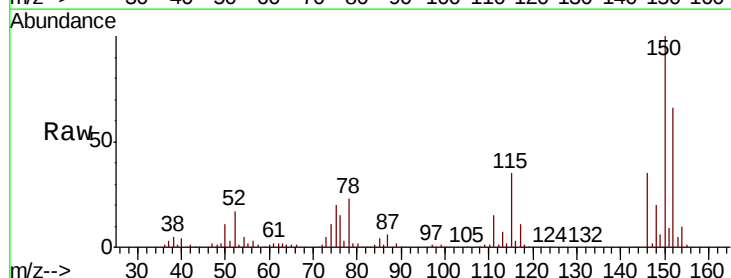
Tgt Ion:152 Resp: 78678

Ion Ratio Lower Upper

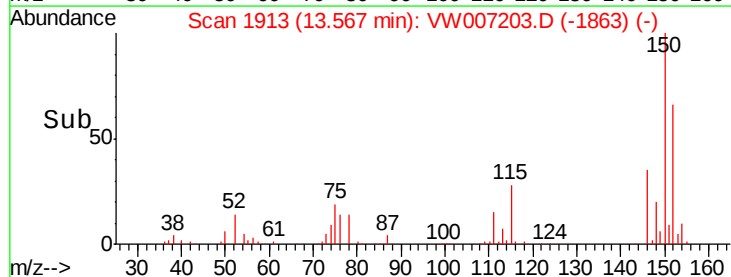
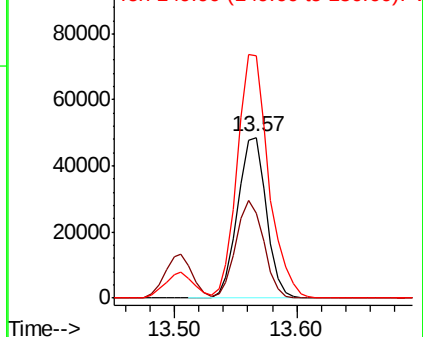
152 100

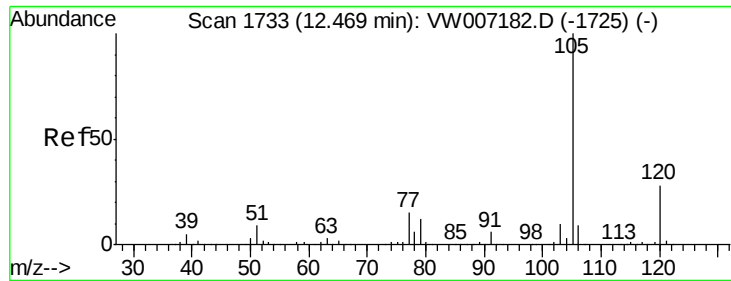
115 59.6 31.3 93.8

150 166.1 0.0 358.0



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: 45.816 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

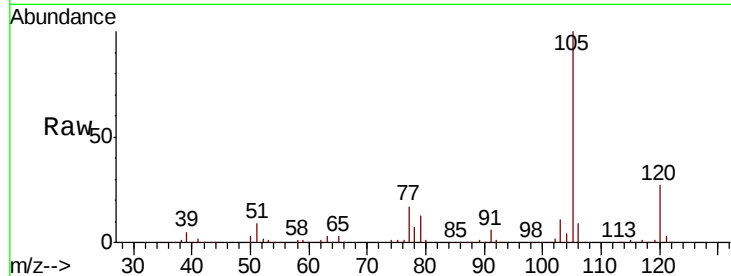
VSTDCCC050

Tot Ion:105 Resp: 293183

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

200000

150000

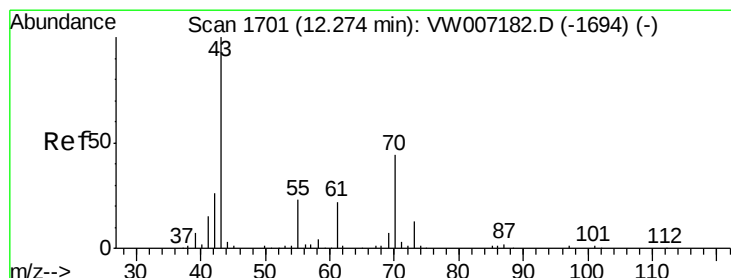
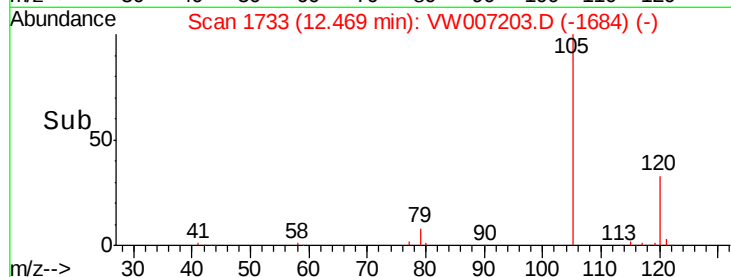
100000

50000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 53.550 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Tgt Ion: 43 Resp: 60755

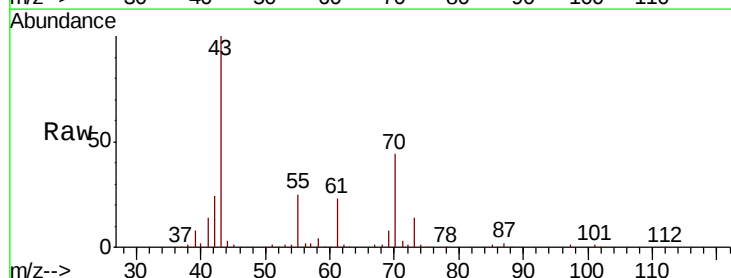
Ion Ratio Lower Upper

43 100

70 43.7 34.0 51.0

55 25.0 19.0 28.6

61 24.8 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

60000

50000

40000

30000

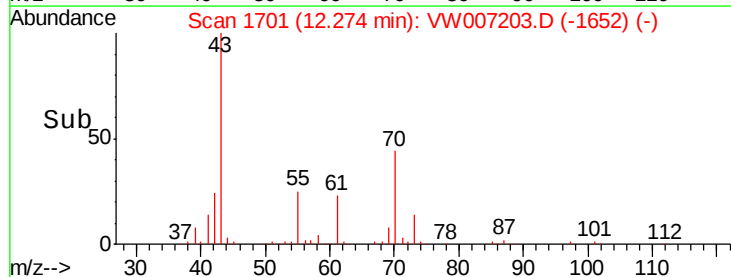
20000

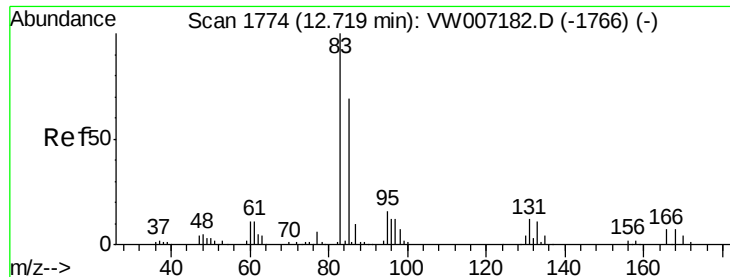
10000

0

Time-->

12.20 12.25 12.30 12.35

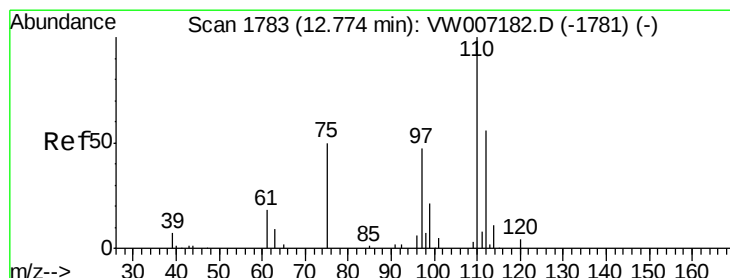
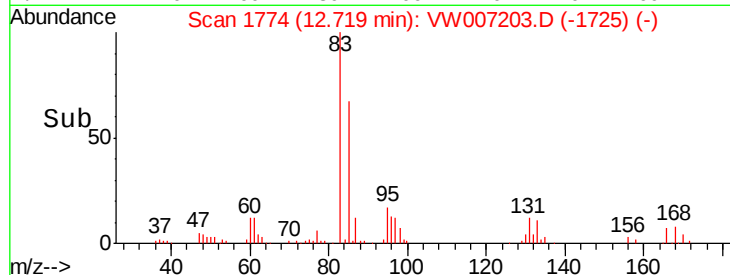
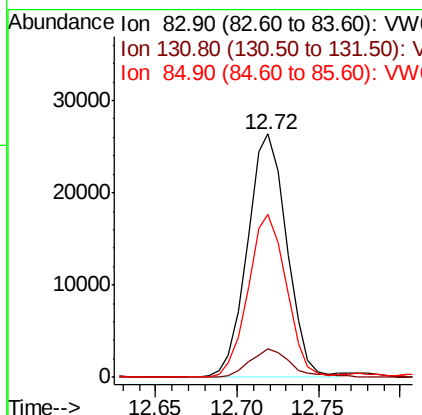
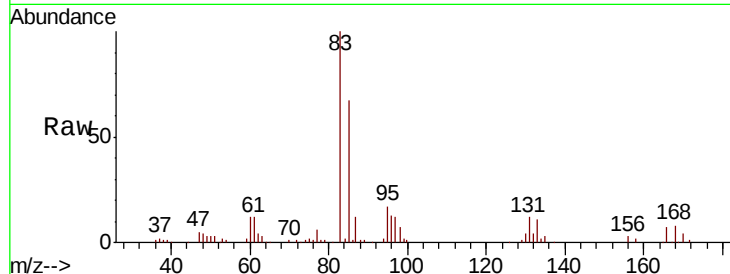




#75
 1,1,2,2-Tetrachloroethane
 Concen: 53.546 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

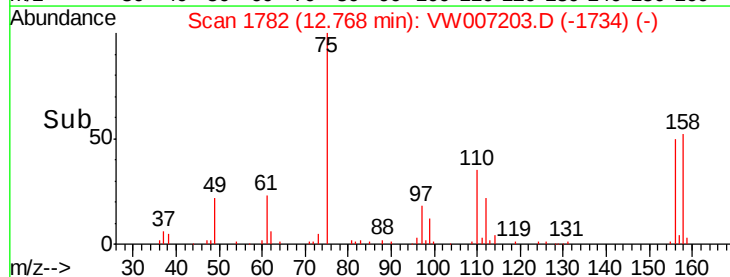
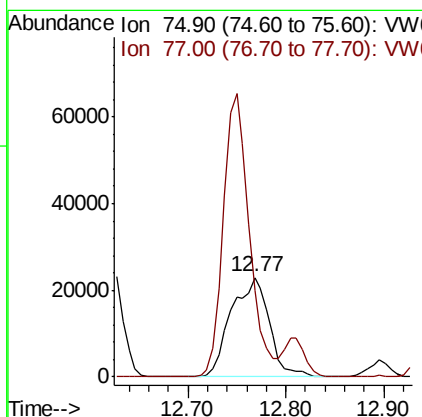
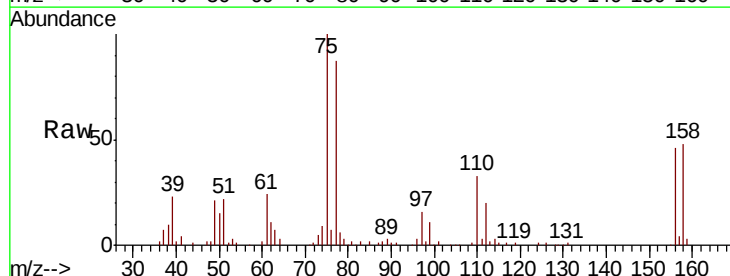
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

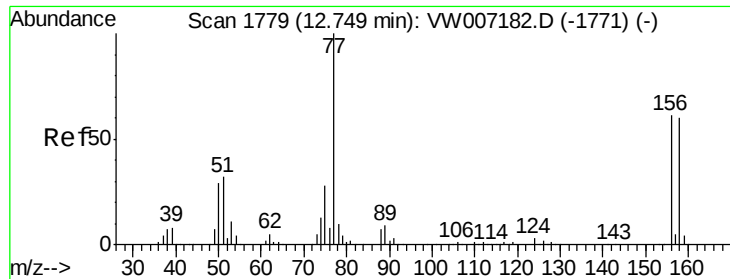
Tot Ion: 83 Resp: 44501
 Ion Ratio Lower Upper
 83 100
 131 12.2 6.0 18.1
 85 65.0 33.0 99.0



#76
 1,2,3-Trichloropropane
 Concen: 52.368 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

Tgt Ion: 75 Resp: 61917
 Ion Ratio Lower Upper
 75 100
 77 196.1 0.0 0.0#





#77

Bromobenzene

Concen: 47.586 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

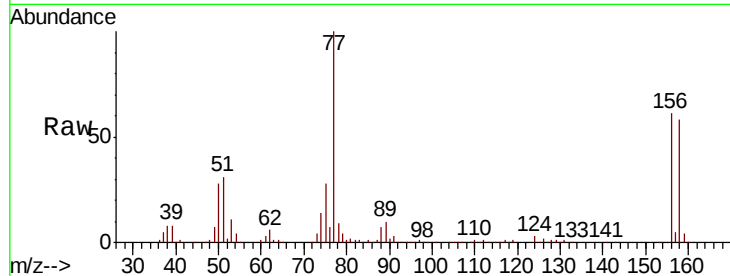
Tot Ion:156 Resp: 65730

Ion Ratio Lower Upper

156 100

77 184.7 92.0 276.1

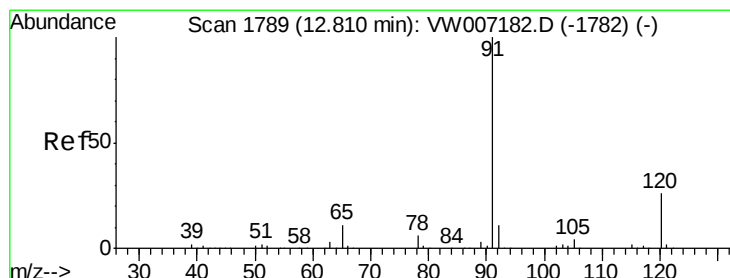
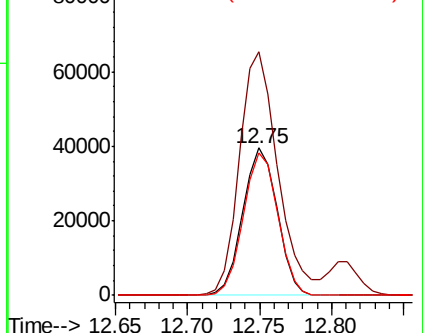
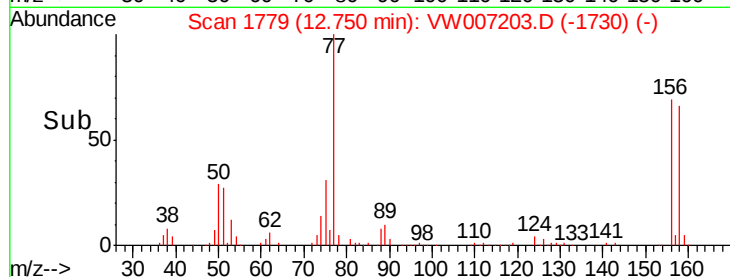
158 96.0 49.0 147.0



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: 45.572 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW007203.D

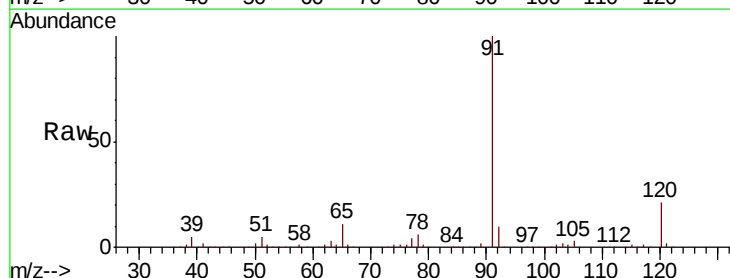
Acq: 04 Dec 2018 23:44

Tgt Ion: 91 Resp: 347432

Ion Ratio Lower Upper

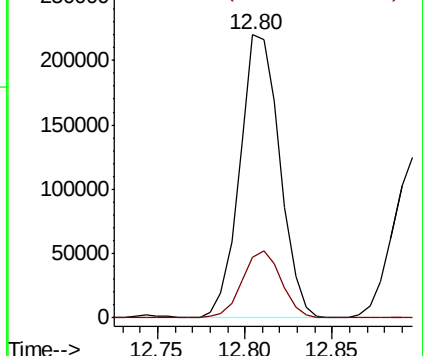
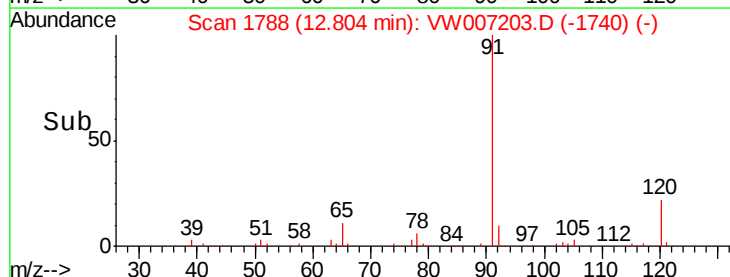
91 100

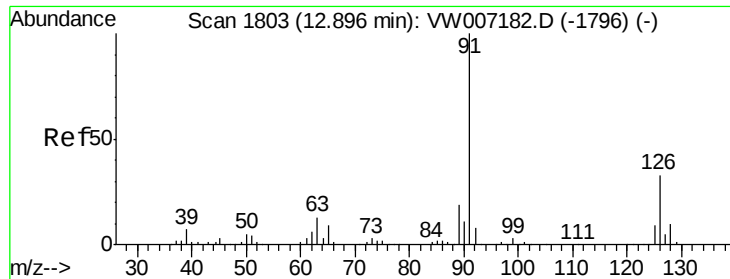
120 23.5 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

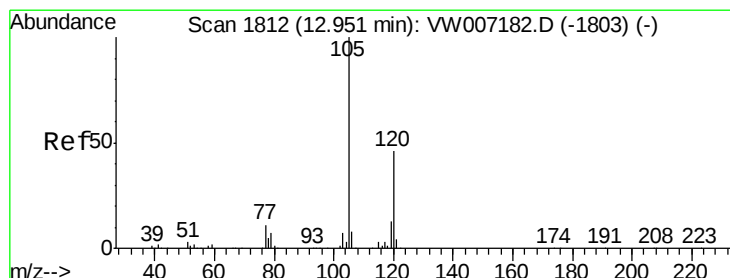
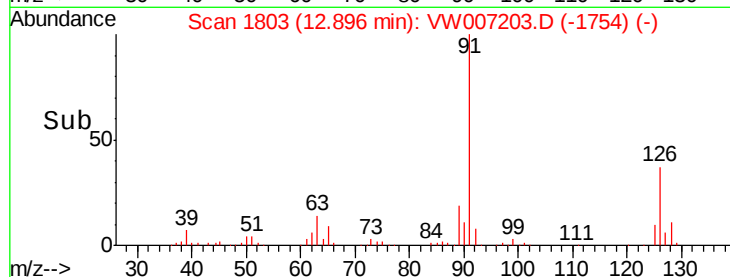
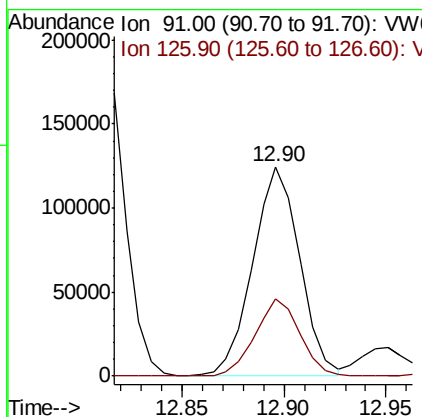
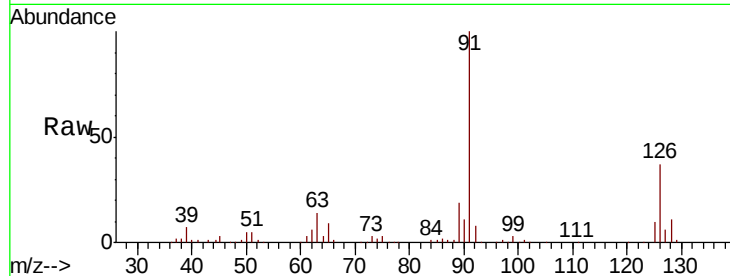




#79
 2-Chlorotoluene
 Concen: 46.256 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

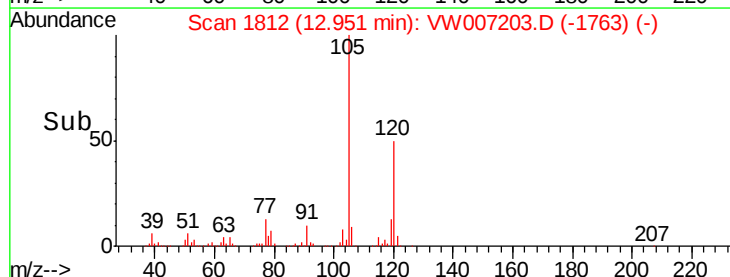
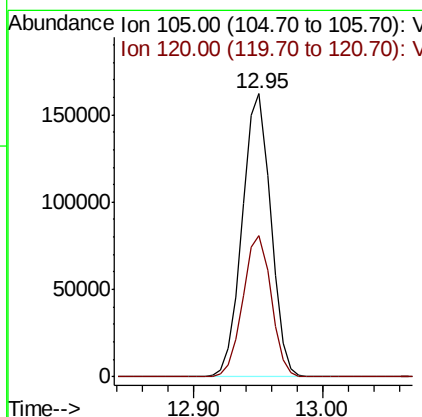
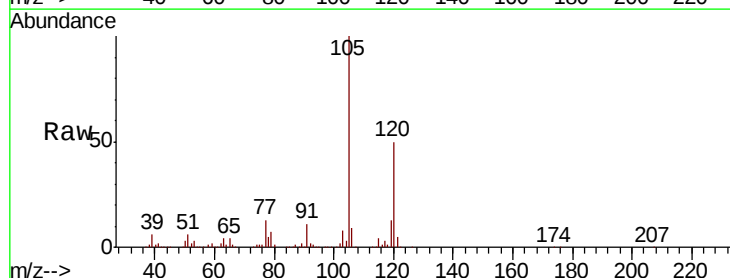
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

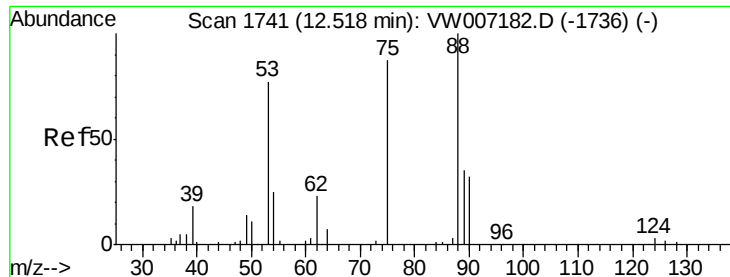
Tot Ion: 91 Resp: 199138
 Ion Ratio Lower Upper
 91 100
 126 35.3 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 45.048 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

Tgt Ion: 105 Resp: 246609
 Ion Ratio Lower Upper
 105 100
 120 49.7 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 49.828 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

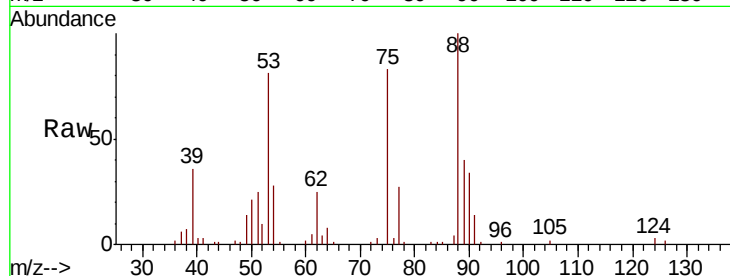
Tot Ion: 75 Resp: 14084

Ion Ratio Lower Upper

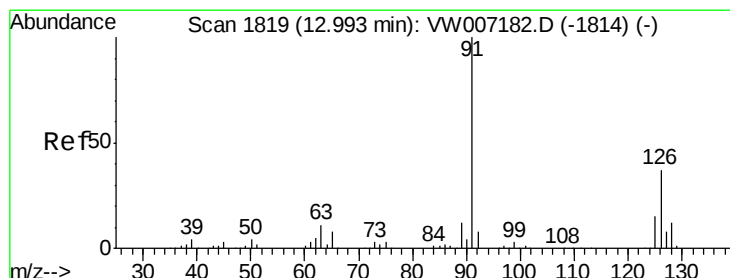
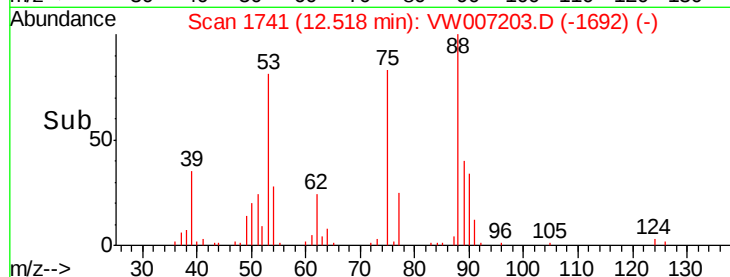
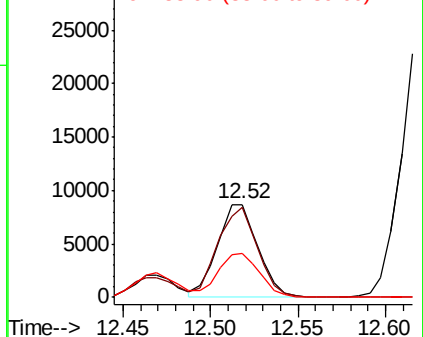
75 100

53 94.6 72.8 109.2

89 47.2 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 48.183 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW007203.D

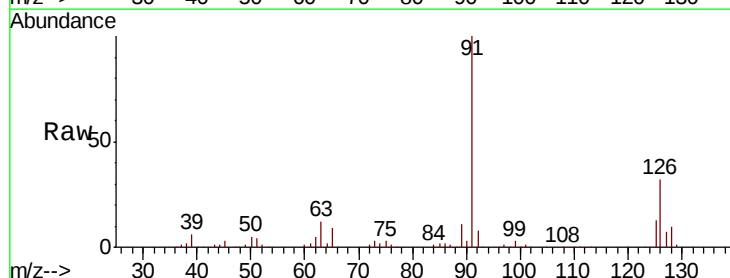
Acq: 04 Dec 2018 23:44

Tgt Ion: 91 Resp: 220677

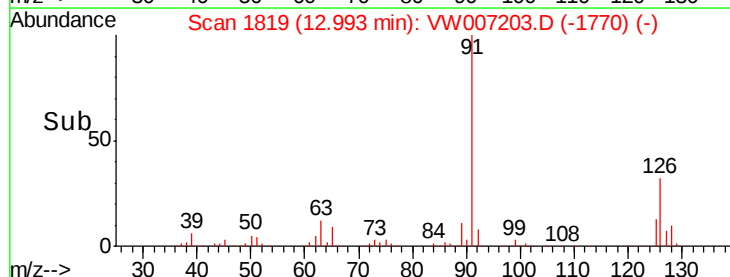
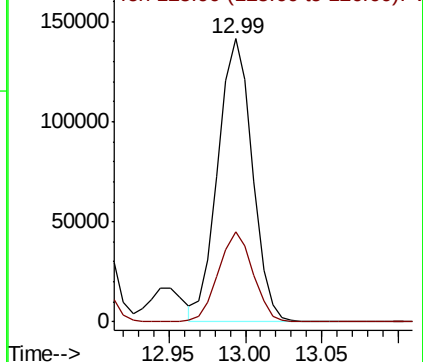
Ion Ratio Lower Upper

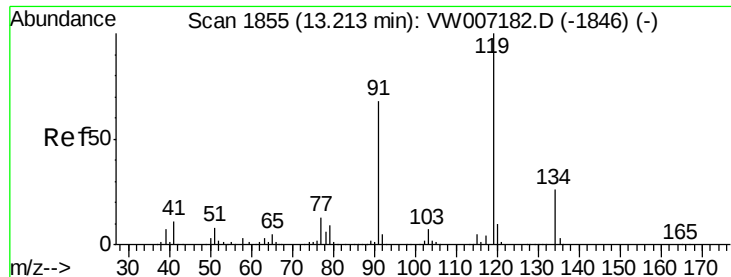
91 100

126 32.1 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 45.221 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

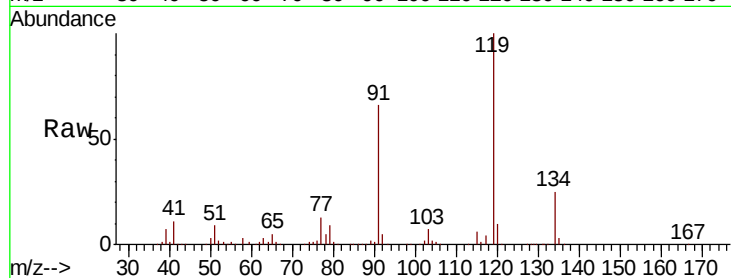
Tot Ion:119 Resp: 216335

Ion Ratio Lower Upper

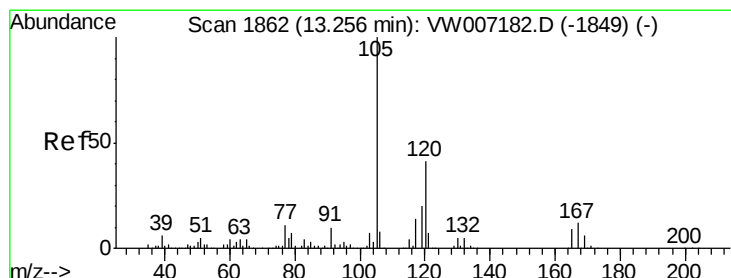
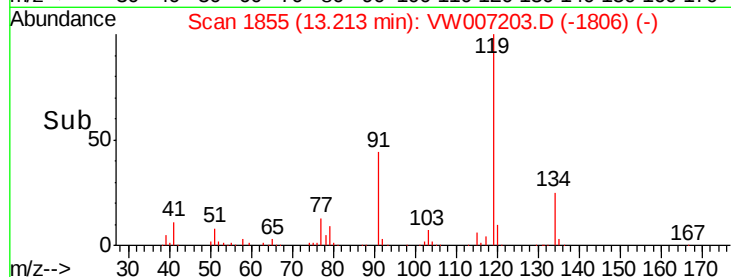
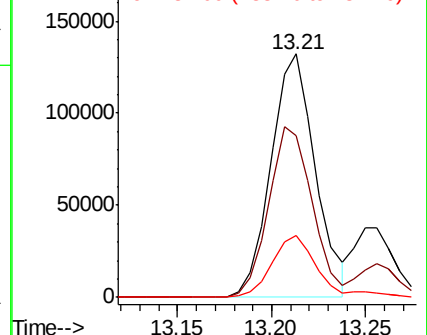
119 100

91 68.8 34.0 101.8

134 26.4 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 46.539 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW007203.D

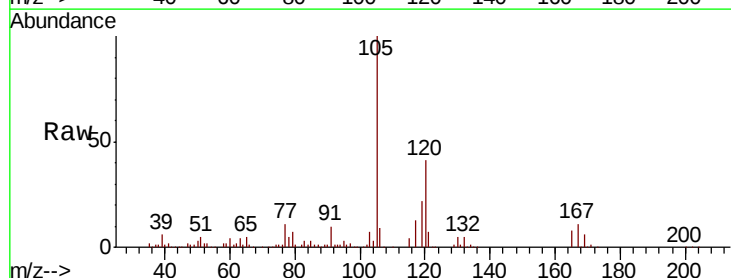
Acq: 04 Dec 2018 23:44

Tgt Ion:105 Resp: 260061

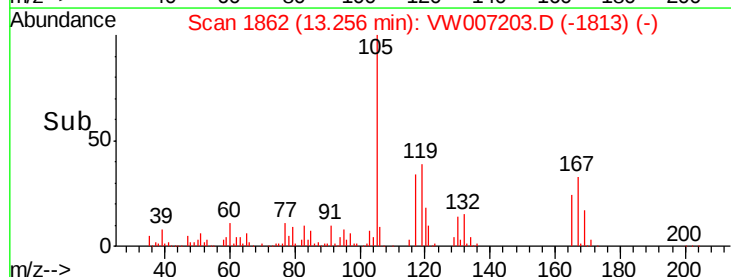
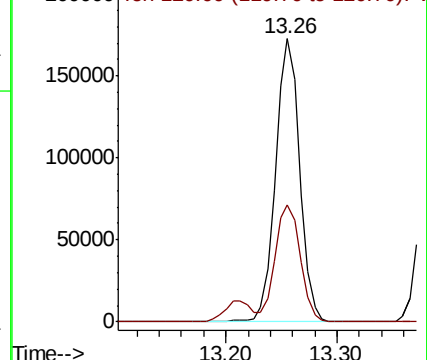
Ion Ratio Lower Upper

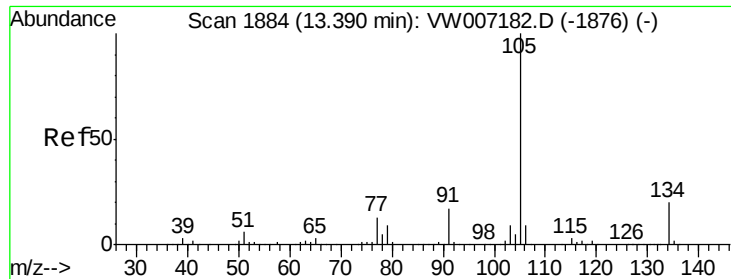
105 100

120 43.0 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

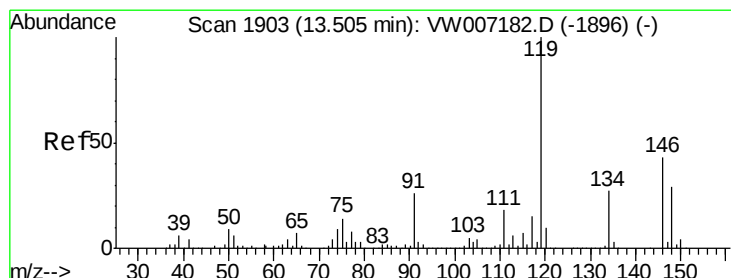
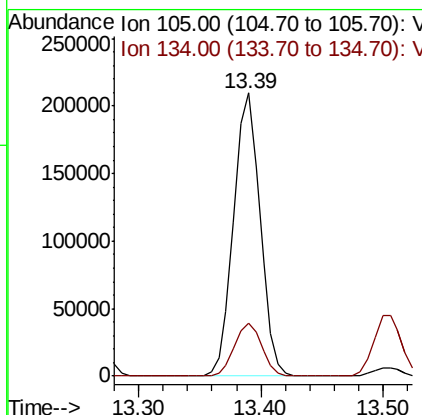
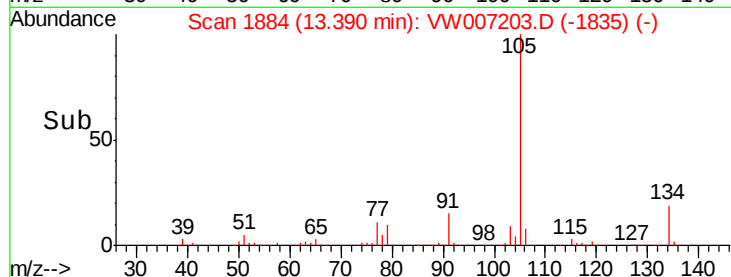
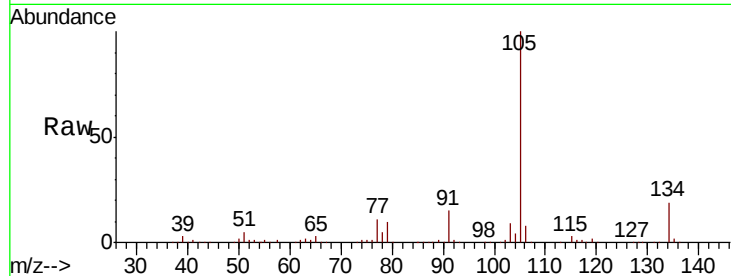




#85
 sec-Butylbenzene
 Concen: 45.900 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

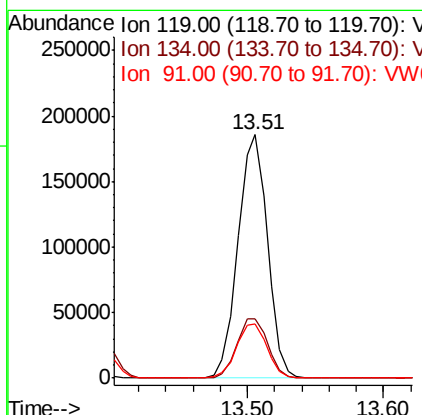
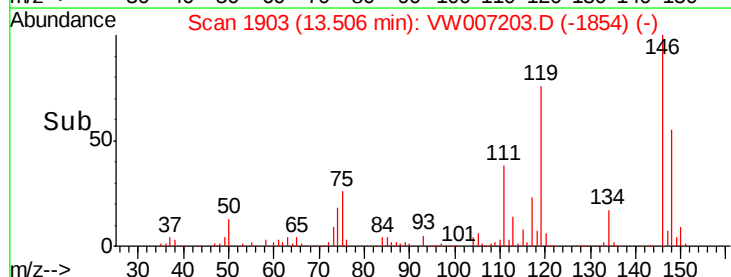
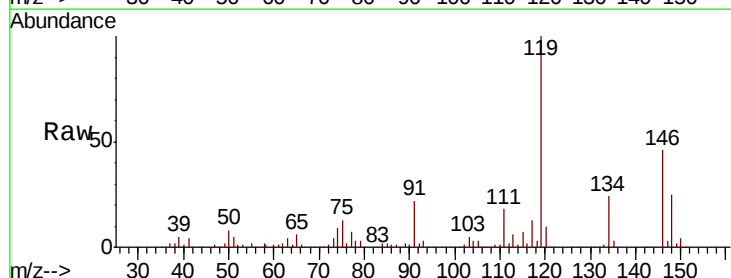
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

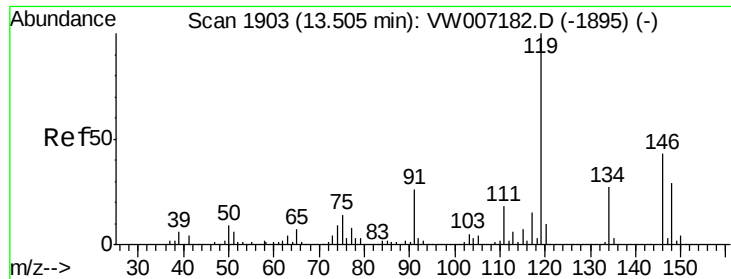
Tot Ion:105 Resp: 313484
 Ion Ratio Lower Upper
 105 100
 134 19.4 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 46.002 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

Tgt Ion:119 Resp: 279681
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.2 39.6
 91 23.2 12.4 37.2

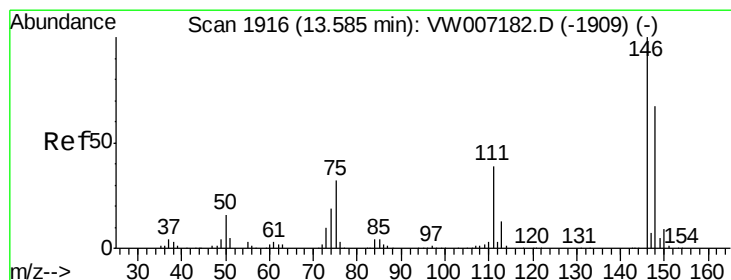
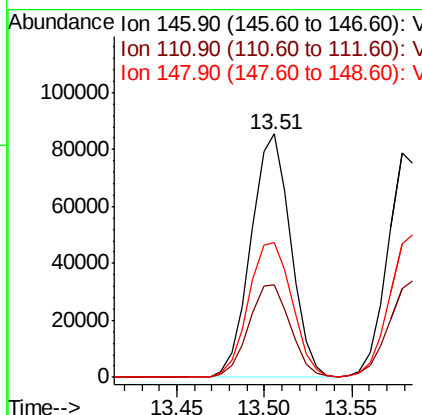
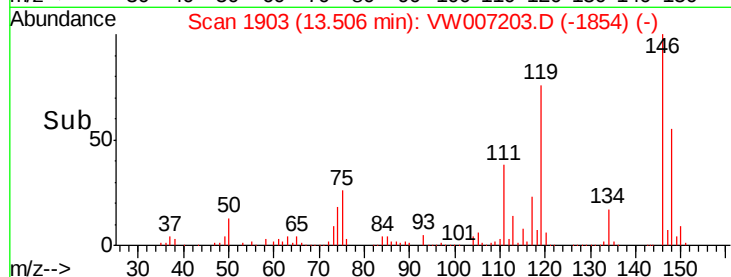
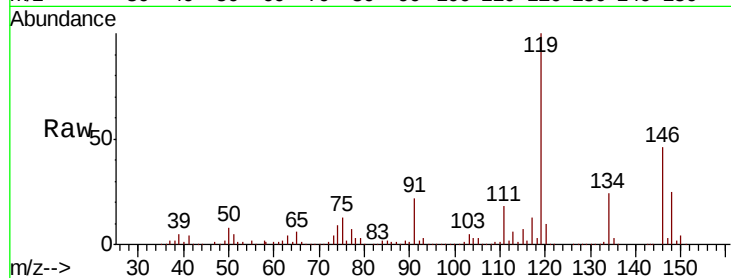




#87
 1,3-Dichlorobenzene
 Concen: 47.653 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

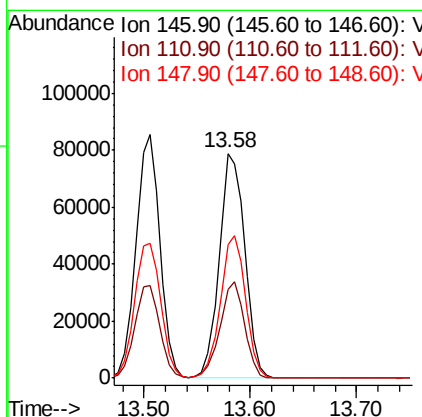
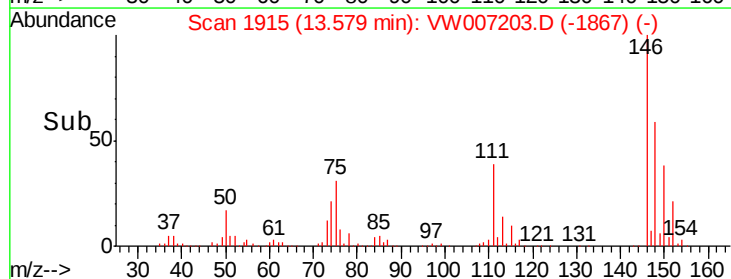
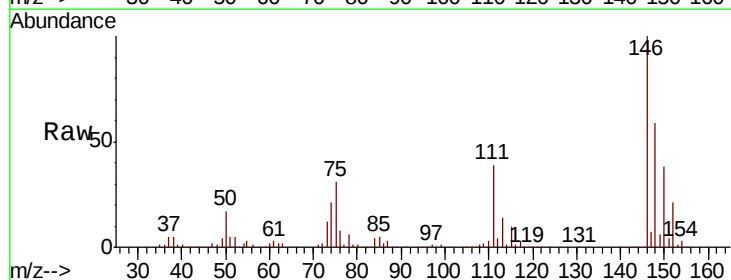
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

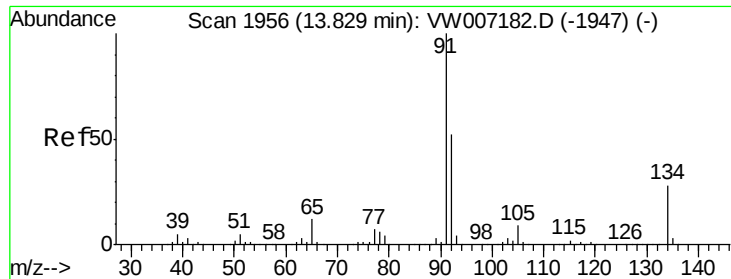
Tot Ion:146 Resp: 135123
 Ion Ratio Lower Upper
 146 100
 111 40.0 21.1 63.4
 148 60.6 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 46.134 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

Tgt Ion:146 Resp: 132138
 Ion Ratio Lower Upper
 146 100
 111 41.2 19.6 58.8
 148 62.5 32.6 98.0





#89

n-Butylbenzene

Concen: 43.625 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

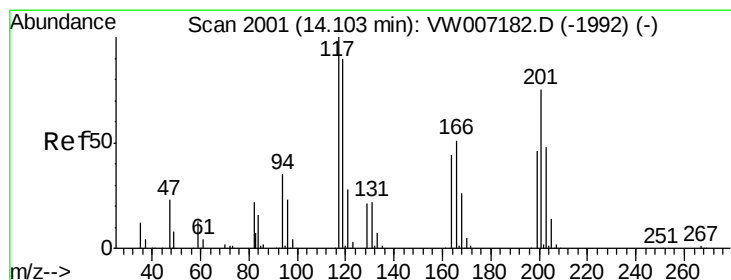
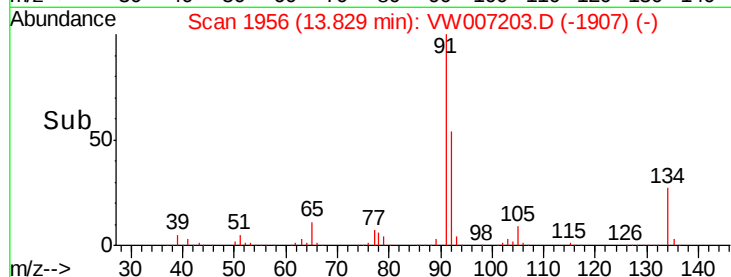
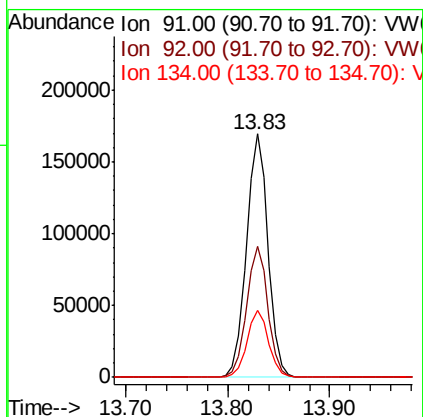
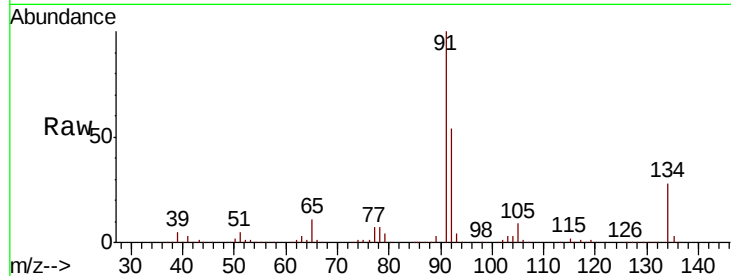
Tot Ion: 91 Resp: 247849

Ion Ratio Lower Upper

91 100

92 53.4 26.5 79.5

134 27.4 14.1 42.2



#90

Hexachloroethane

Concen: 45.020 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW007203.D

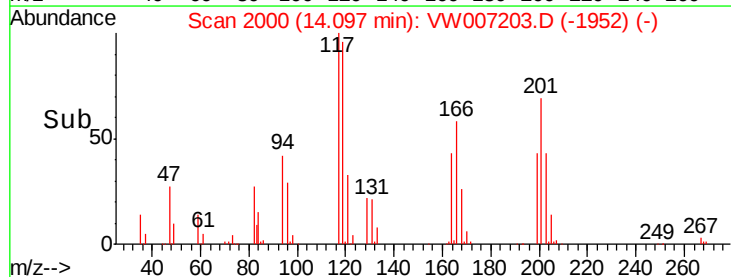
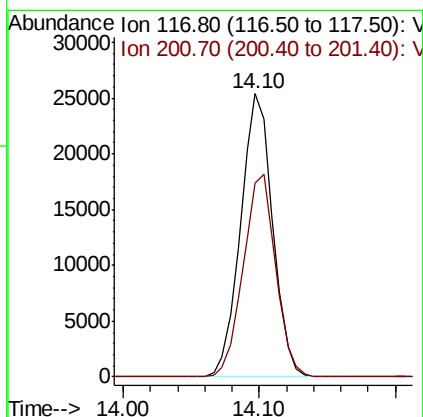
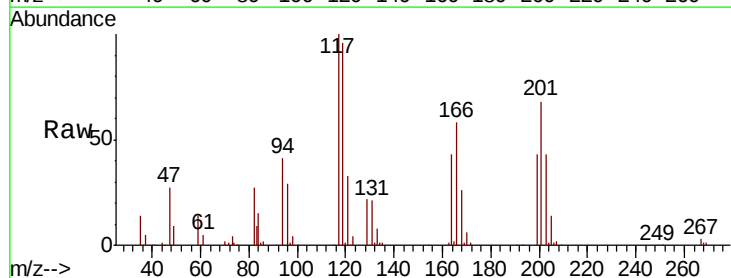
Acq: 04 Dec 2018 23:44

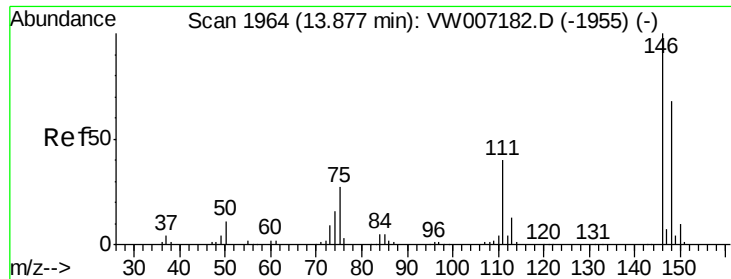
Tgt Ion: 117 Resp: 41710

Ion Ratio Lower Upper

117 100

201 72.7 36.0 108.1





#91

1,2-Dichlorobenzene

Concen: 48.144 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

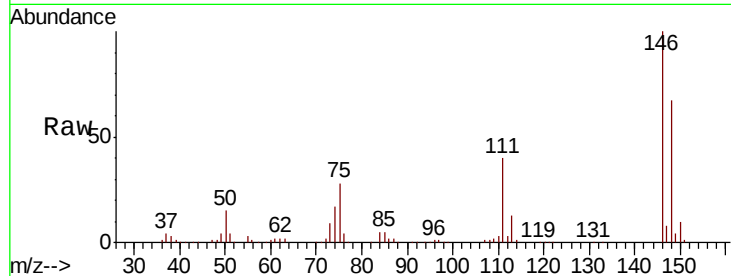
Tot Ion:146 Resp: 118182

Ion Ratio Lower Upper

146 100

111 43.4 21.6 65.0

148 65.9 32.7 98.1

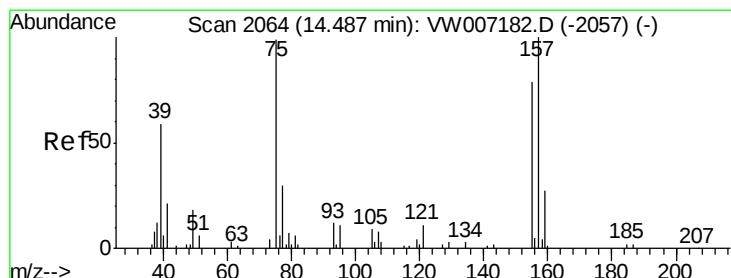
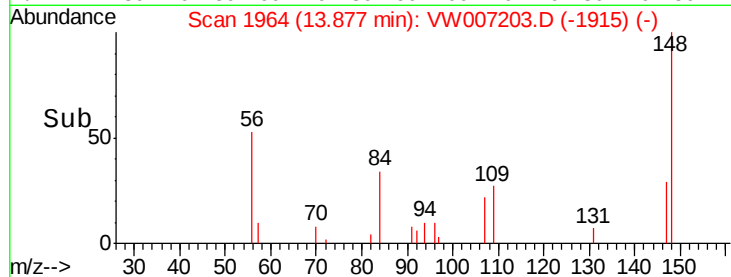
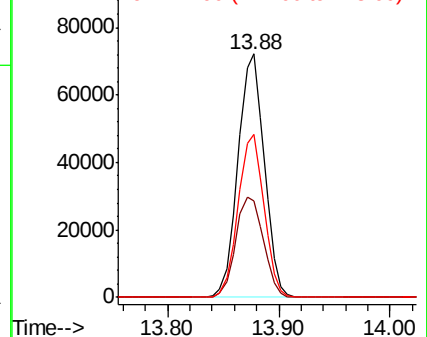


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.977 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

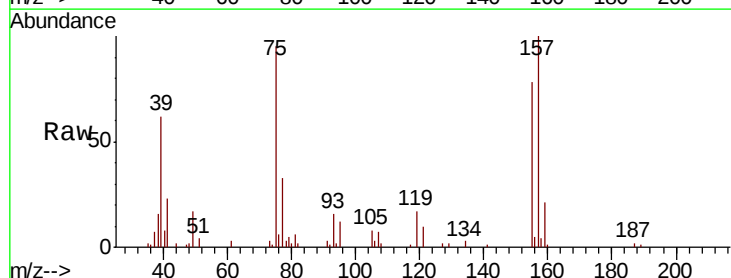
Tgt Ion: 75 Resp: 8690

Ion Ratio Lower Upper

75 100

155 83.4 42.4 127.2

157 113.6 55.3 165.9

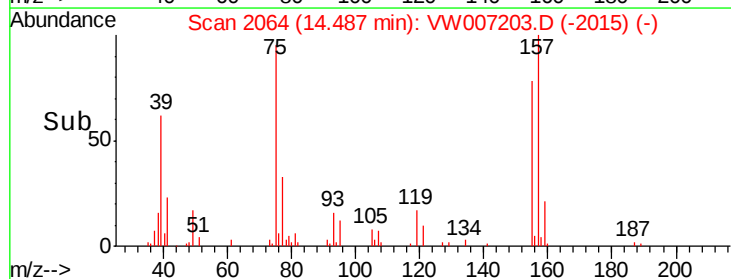
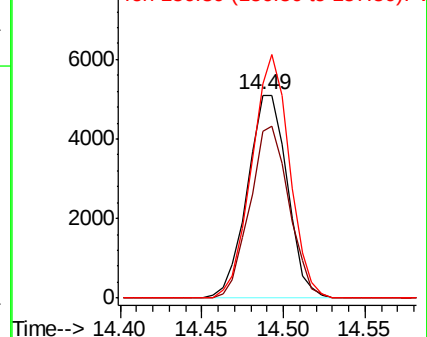


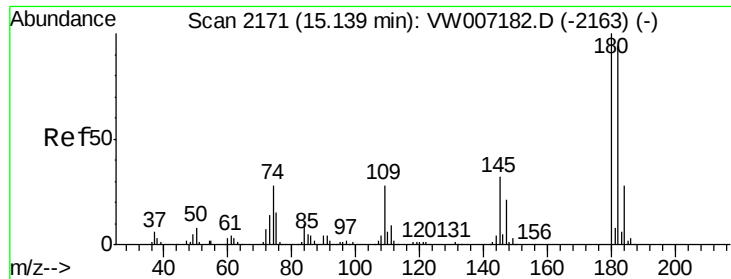
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

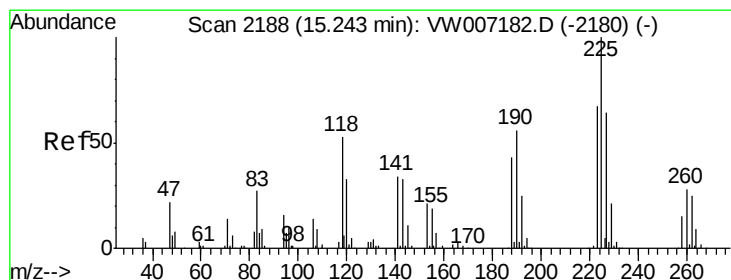
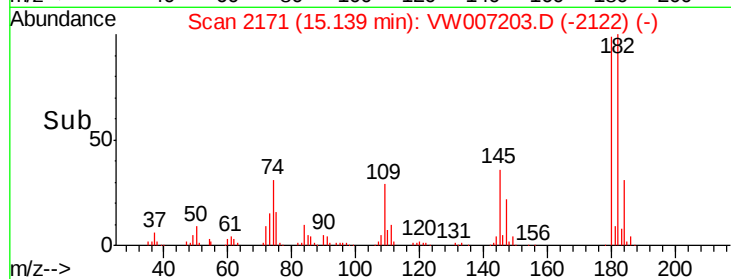
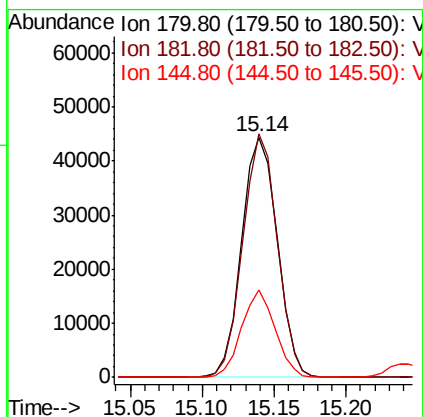
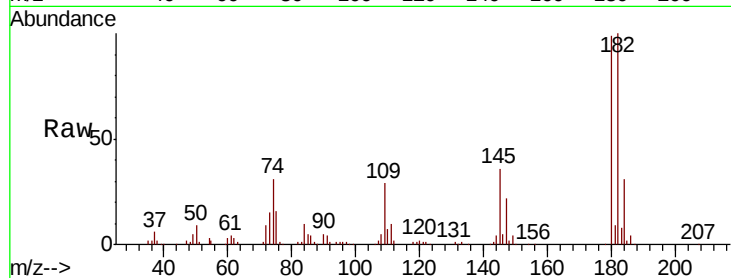




#93
 1,2,4-Trichlorobenzene
 Concen: 44.716 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

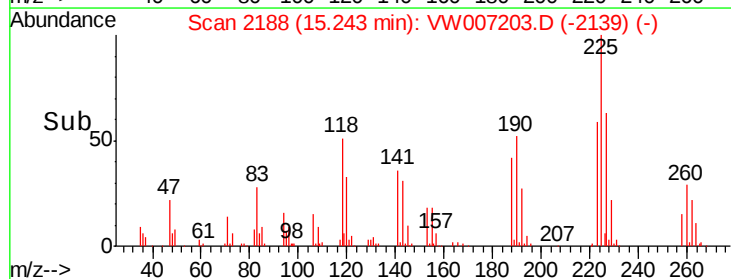
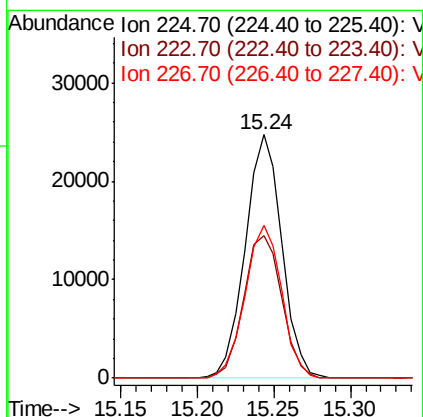
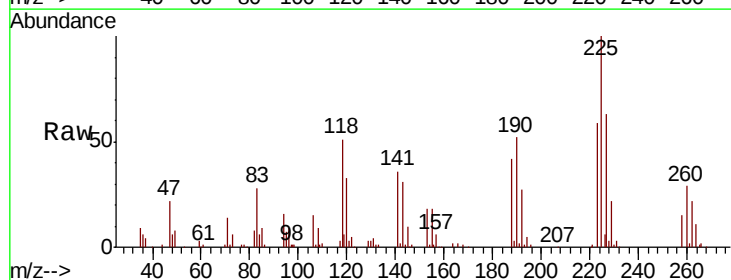
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

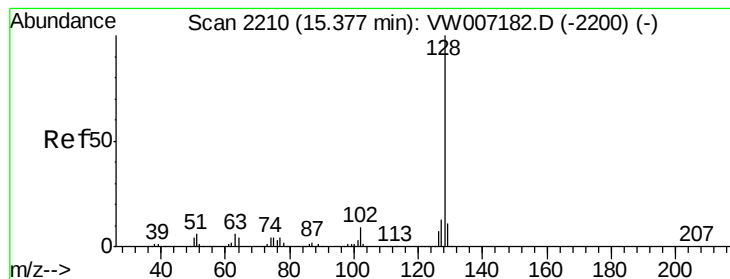
Tot Ion:180 Resp: 76070
 Ion Ratio Lower Upper
 180 100
 182 98.1 47.9 143.8
 145 34.2 16.6 49.7



#94
 Hexachlorobutadiene
 Concen: 44.777 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007203.D
 Acq: 04 Dec 2018 23:44

Tgt Ion:225 Resp: 41077
 Ion Ratio Lower Upper
 225 100
 223 61.0 32.3 96.8
 227 62.7 32.1 96.3





#95

Naphthalene

Concen: 50.264 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

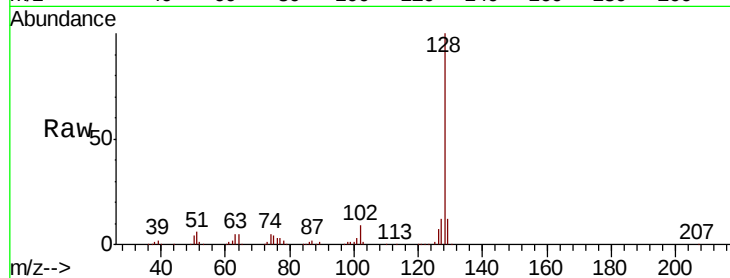
Tot Ion:128 Resp: 153246

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

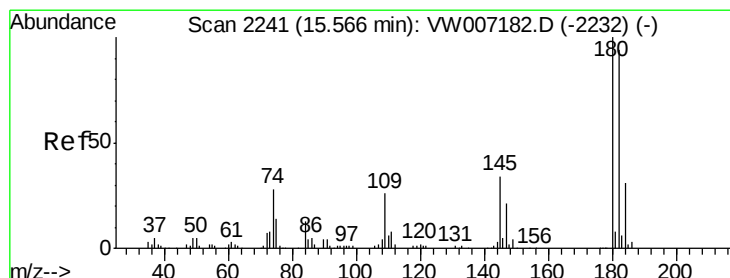
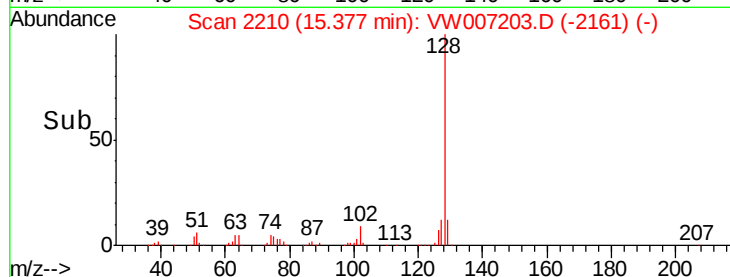
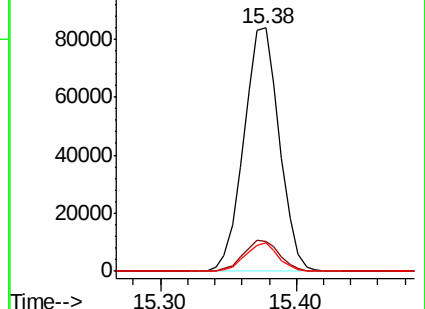
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 46.784 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW007203.D

Acq: 04 Dec 2018 23:44

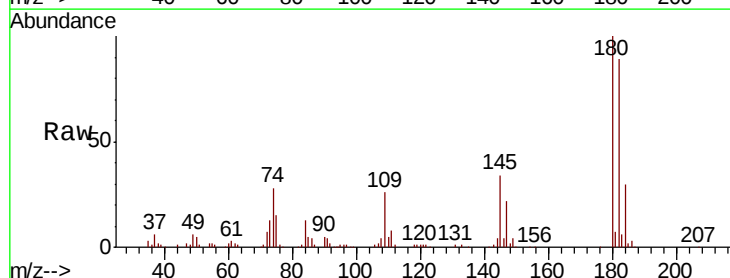
Tgt Ion:180 Resp: 67110

Ion Ratio Lower Upper

180 100

182 93.4 47.4 142.2

145 35.5 17.6 52.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

