

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110218\
 Data File : VW006542.D
 Acq On : 31 Oct 2018 23:29
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Nov 01 03:06:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:03:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	277599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	406131	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	379267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	208085	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	12406	5.34	ug/l	0.00
Spiked Amount			Recovery	=	10.68%	
35) Dibromofluoromethane	7.89	113	12524	5.16	ug/l	0.00
Spiked Amount			Recovery	=	10.32%	
50) Toluene-d8	10.33	98	46797	5.05	ug/l	0.00
Spiked Amount			Recovery	=	10.10%	
62) 4-Bromofluorobenzene	12.62	95	17155	4.96	ug/l	0.00
Spiked Amount			Recovery	=	9.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.02	85	5512	4.059	ug/l	88
3) Chloromethane	2.21	50	9169	5.207	ug/l	97
4) Vinyl Chloride	2.37	62	12432	4.970	ug/l	99
5) Bromomethane	2.79	94	10449	4.616	ug/l	96
6) Chloroethane	2.93	64	8804	4.927	ug/l	99
7) Trichlorofluoromethane	3.26	101	10185	4.416	ug/l	95
8) Diethyl Ether	3.68	74	6485	5.301	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	11528	4.706	ug/l	97
10) Methyl Iodide	4.26	142	21255	5.158	ug/l	99
11) Tert butyl alcohol	5.26	59	3356	22.130	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	11422	4.937	ug/l	93
13) Acrolein	3.90	56	4166	27.337	ug/l	95
14) Allyl chloride	4.67	41	14160	4.333	ug/l	98
15) Acrylonitrile	5.38	53	11073	24.828	ug/l	96
16) Acetone	4.15	43	10740	21.929	ug/l	99
17) Carbon Disulfide	4.37	76	30168	4.366	ug/l	98
18) Methyl Acetate	4.70	43	6042	5.270	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	17347	4.945	ug/l	96
20) Methylene Chloride	4.92	84	19401	7.129	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	12527	4.846	ug/l	97
22) Diisopropyl ether	6.32	45	29708	4.566	ug/l	95
23) Vinyl Acetate	6.27	43	79413	20.814	ug/l	99
24) 1,1-Dichloroethane	6.21	63	20995	4.978	ug/l	98
25) 2-Butanone	7.19	43	14134	22.986	ug/l	96
26) 2,2-Dichloropropane	7.17	77	13088	4.485	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	14235	4.975	ug/l	100
28) Bromochloromethane	7.51	49	8869	5.461	ug/l	98
29) Tetrahydrofuran	7.54	42	8728	23.054	ug/l	97
30) Chloroform	7.68	83	22742	4.929	ug/l	98
31) Cyclohexane	7.96	56	21823	5.259	ug/l #	86
32) 1,1,1-Trichloroethane	7.87	97	18881	4.588	ug/l	97
36) 1,1-Dichloropropene	8.09	75	17927	4.824	ug/l	97
37) Ethyl Acetate	7.26	43	6050	4.403	ug/l	99
38) Carbon Tetrachloride	8.07	117	17501	4.326	ug/l	96

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 Data File : VW006542.D
 Acq On : 31 Oct 2018 23:29
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 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Nov 01 03:06:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:03:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	21414	4.357	ug/l	97
40) Benzene	8.33	78	48931	4.762	ug/l	98
41) Methacrylonitrile	7.49	41	3954	4.809	ug/l	94
42) 1,2-Dichloroethane	8.40	62	14717	4.907	ug/l	97
43) Isopropyl Acetate	8.43	43	11859	4.249	ug/l	99
44) Trichloroethene	9.10	130	15213	4.824	ug/l	97
45) 1,2-Dichloropropane	9.37	63	11094	4.530	ug/l	100
46) Dibromomethane	9.46	93	6780	4.844	ug/l	99
47) Bromodichloromethane	9.65	83	14830	4.385	ug/l	95
48) Methyl methacrylate	9.44	41	5374	4.050	ug/l	92
49) 1,4-Dioxane	9.50	88	2027	94.707	ug/l	99
51) 4-Methyl-2-Pentanone	10.22	43	30698	21.844	ug/l	100
52) Toluene	10.39	92	32773	4.759	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	13465	4.012	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	16638	4.310	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	9557	4.868	ug/l	96
56) Ethyl methacrylate	10.65	69	9757	4.082	ug/l	92
57) 1,3-Dichloropropane	10.93	76	16070	4.960	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	25809	27.175	ug/l	99
59) 2-Hexanone	10.98	43	20506	20.523	ug/l	95
60) Dibromochloromethane	11.13	129	10390	4.269	ug/l	99
61) 1,2-Dibromoethane	11.24	107	9349	4.769	ug/l	99
64) Tetrachloroethene	10.87	164	14839	5.001	ug/l	98
65) Chlorobenzene	11.66	112	38598	4.748	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	12996	4.512	ug/l	99
67) Ethyl Benzene	11.74	91	61940	4.421	ug/l	96
68) m/p-Xylenes	11.85	106	49545	8.930	ug/l	100
69) o-Xylene	12.17	106	23168	4.379	ug/l	100
70) Styrene	12.19	104	36912	4.286	ug/l	99
71) Bromoform	12.35	173	6517	4.090	ug/l #	98
73) Isopropylbenzene	12.47	105	63719	4.367	ug/l	99
74) N-amyl acetate	12.28	43	10808	3.881	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	10506	4.733	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	12961	8.049	ug/l #	100
77) Bromobenzene	12.76	156	17324	4.817	ug/l	97
78) n-propylbenzene	12.81	91	72651	4.292	ug/l	100
79) 2-Chlorotoluene	12.90	91	42971	4.515	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	52028	4.236	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	2078	3.188	ug/l #	80
82) 4-Chlorotoluene	12.99	91	45093	4.505	ug/l	100
83) tert-Butylbenzene	13.21	119	46627	4.241	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	54099	4.339	ug/l	99
85) sec-Butylbenzene	13.39	105	66050	4.265	ug/l	100
86) p-Isopropyltoluene	13.51	119	60061	4.284	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	33701	4.709	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	33971	4.771	ug/l	94
89) n-Butylbenzene	13.83	91	52492	4.105	ug/l	99
90) Hexachloroethane	14.10	117	9348	3.956	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	31162	4.880	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1651	4.216	ug/l	94

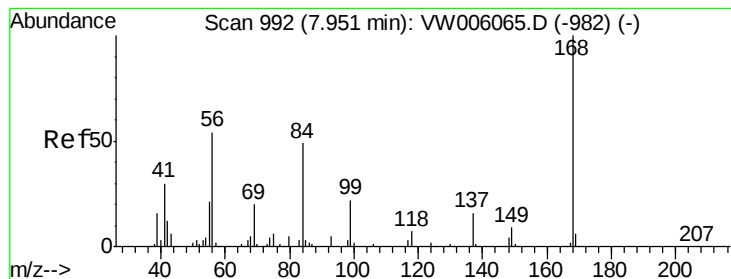
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110218\
Data File : VW006542.D
Acq On : 31 Oct 2018 23:29
Operator : SY/AP
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Nov 01 03:06:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 01 03:03:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	22481	4.572	ug/l	98
94) Hexachlorobutadiene	15.25	225	14466	4.714	ug/l	100
95) Naphthalene	15.38	128	33479	4.110	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	20126	4.726	ug/l	98

(#) = 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: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

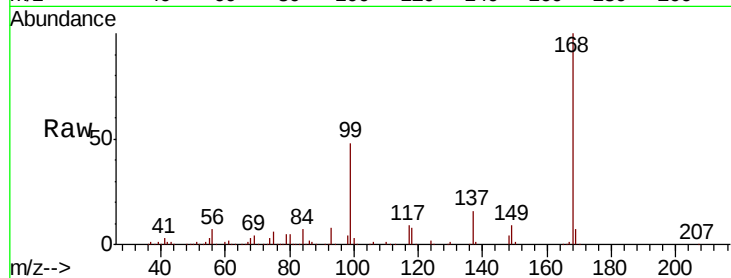
VSTDIC005

Tgt Ion:168 Resp: 277599

Ion Ratio Lower Upper

168 100

99 47.8 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

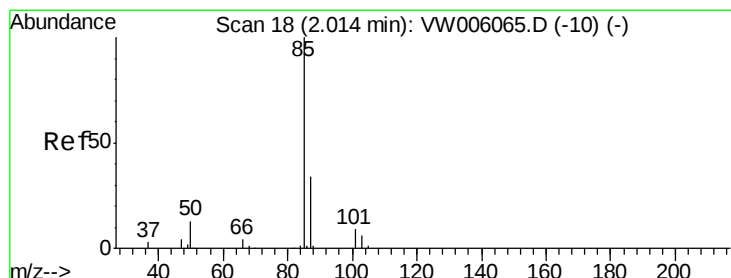
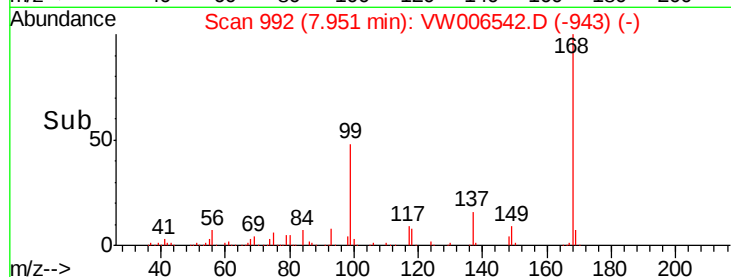
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 4.059 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.00 min

Lab File: VW006542.D

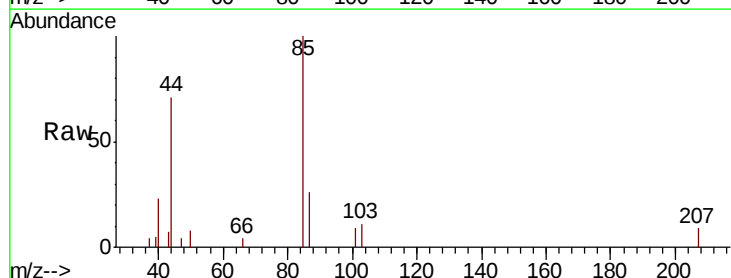
Acq: 31 Oct 2018 23:29

Tgt Ion: 85 Resp: 5512

Ion Ratio Lower Upper

85 100

87 26.5 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.02

1500

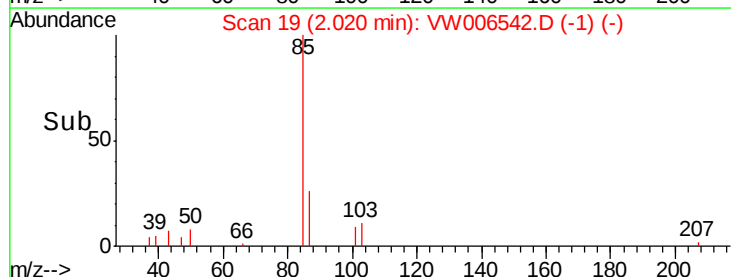
1000

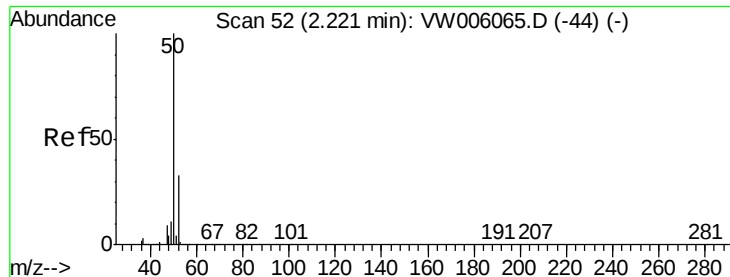
500

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 5.207 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

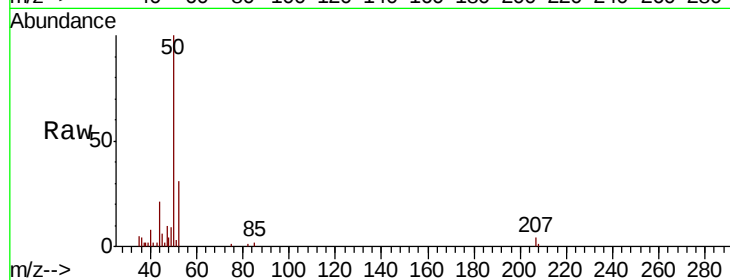
VSTDIC005

Tgt Ion: 50 Resp: 9169

Ion Ratio Lower Upper

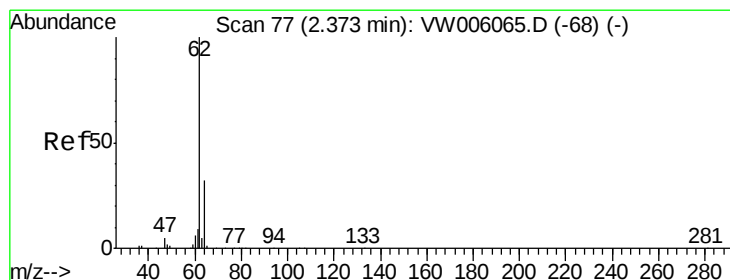
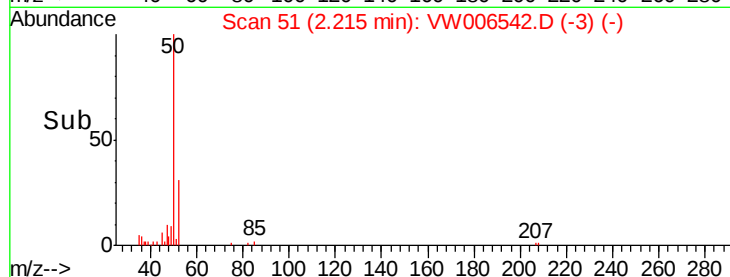
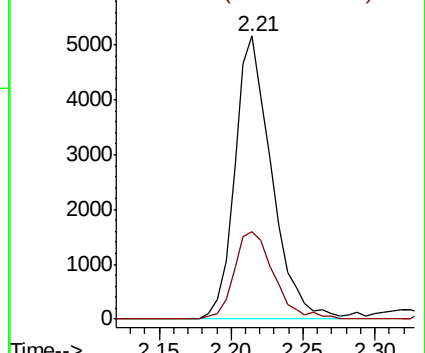
50 100

52 31.1 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 4.970 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006542.D

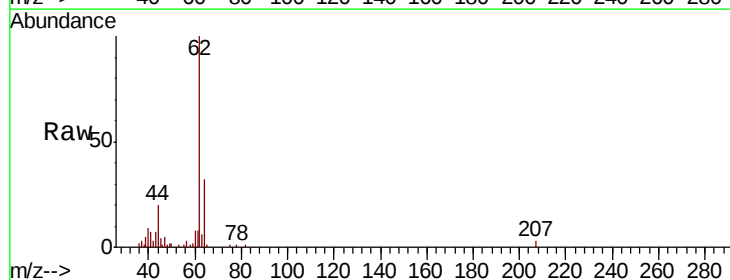
Acq: 31 Oct 2018 23:29

Tgt Ion: 62 Resp: 12432

Ion Ratio Lower Upper

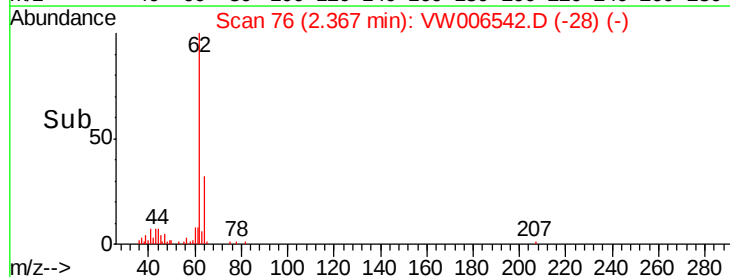
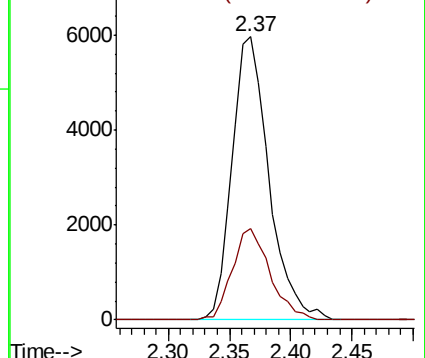
62 100

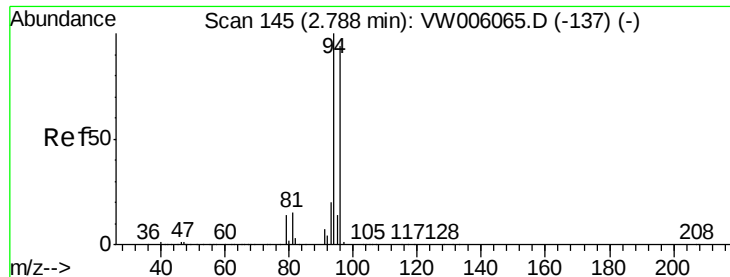
64 32.3 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 4.616 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

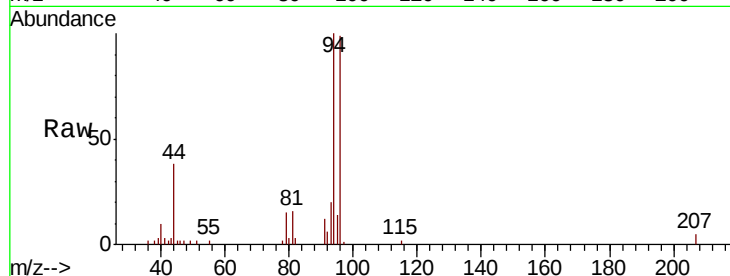
VSTDIC005

Tgt Ion: 94 Resp: 10449

Ion Ratio Lower Upper

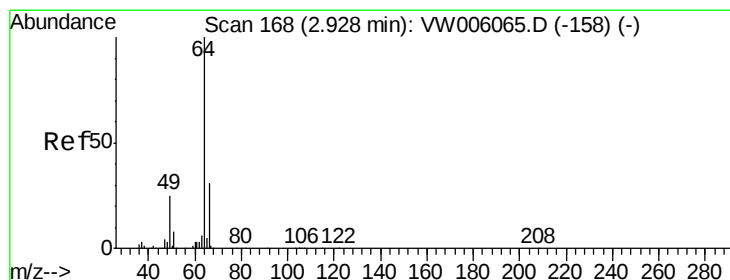
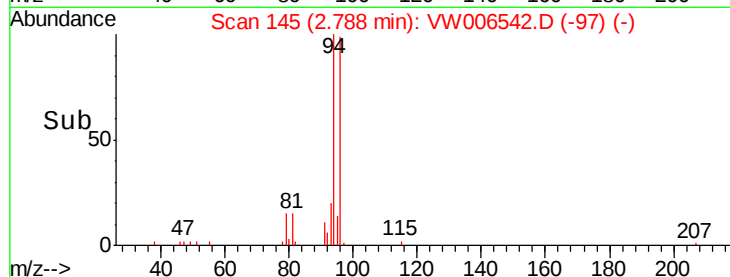
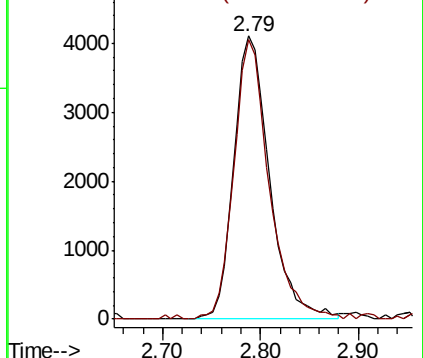
94 100

96 98.6 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 4.927 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW006542.D

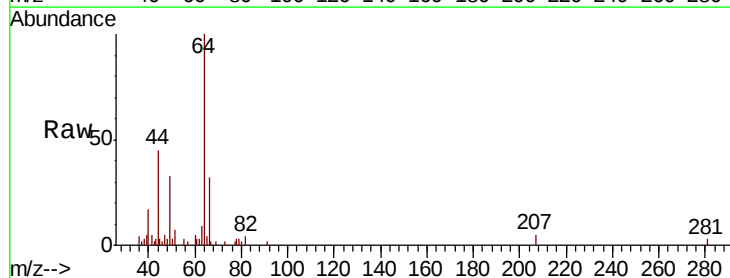
Acq: 31 Oct 2018 23:29

Tgt Ion: 64 Resp: 8804

Ion Ratio Lower Upper

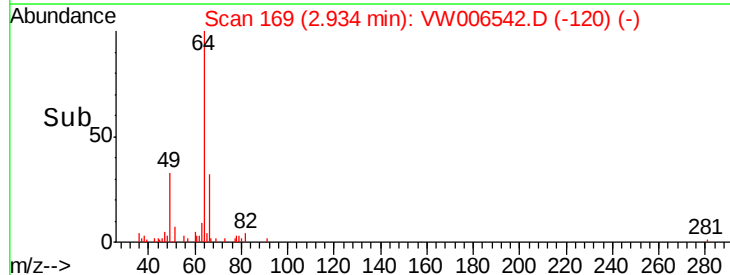
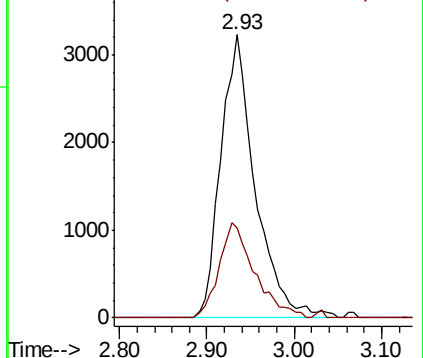
64 100

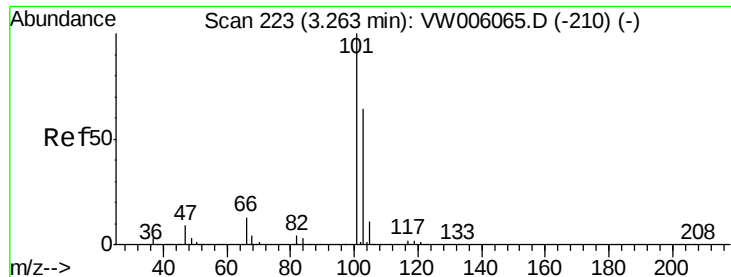
66 31.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



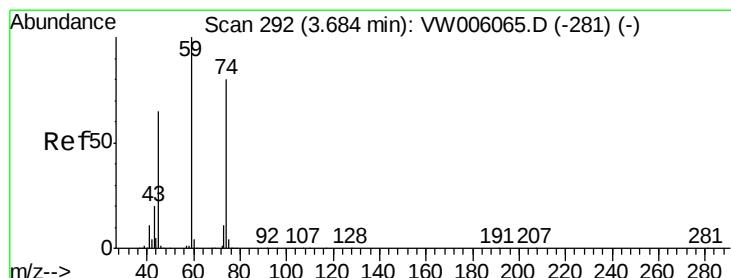
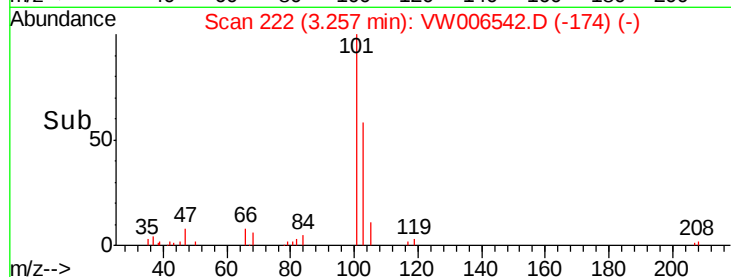
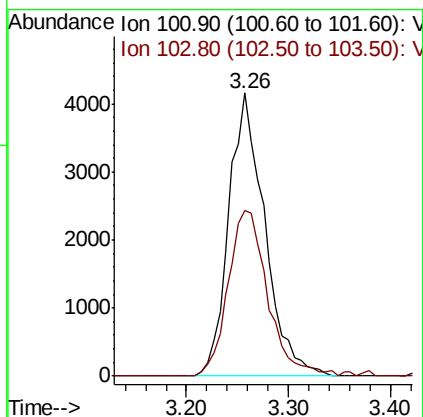
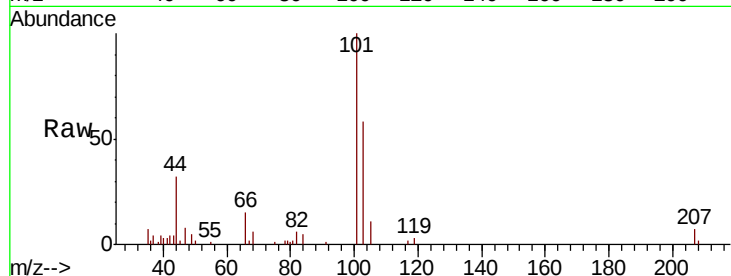


#7

Trichlorofluoromethane
Concen: 4.416 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

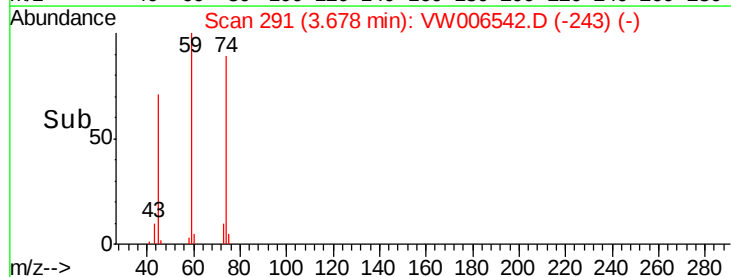
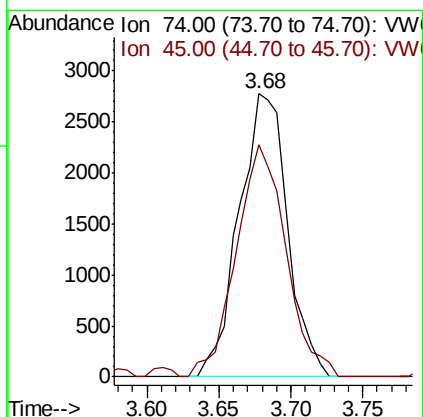
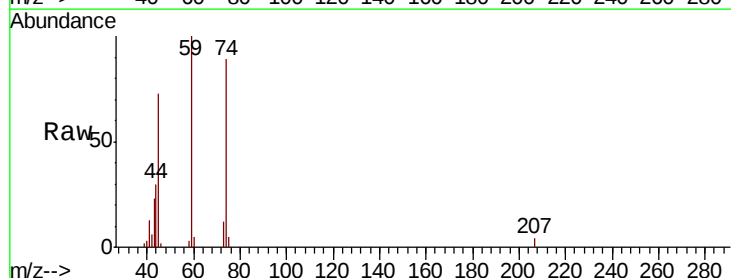
Tgt Ion:101 Resp: 10185
Ion Ratio Lower Upper
101 100
103 58.3 49.8 74.8

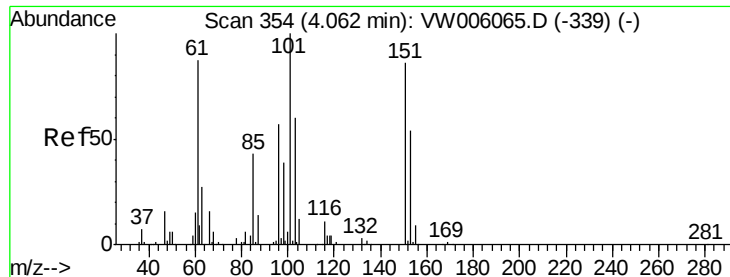


#8

Diethyl Ether
Concen: 5.301 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion: 74 Resp: 6485
Ion Ratio Lower Upper
74 100
45 84.4 41.1 123.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.706 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

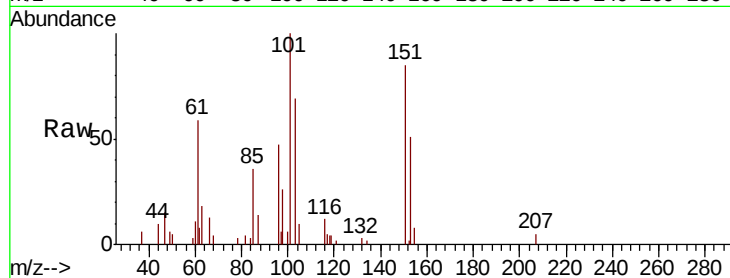
Tgt Ion:101 Resp: 11528

Ion Ratio Lower Upper

101 100

85 43.1 34.2 51.2

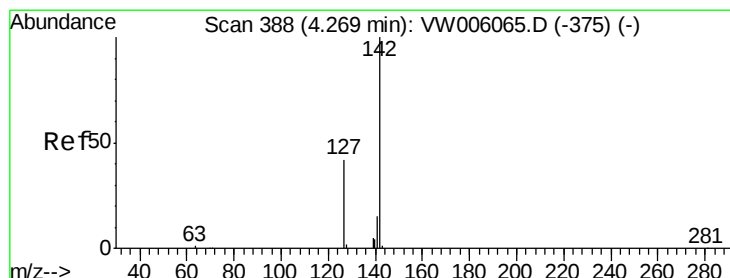
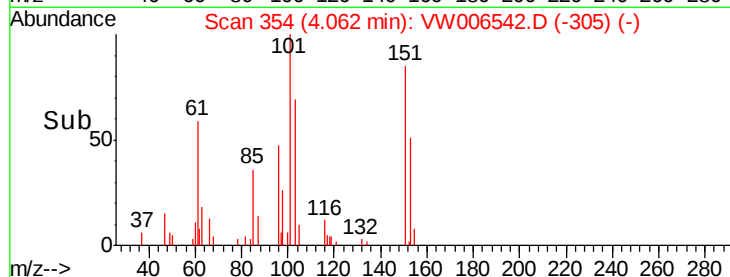
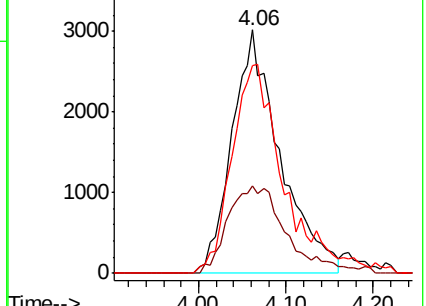
151 84.1 70.7 106.1



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: 5.158 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

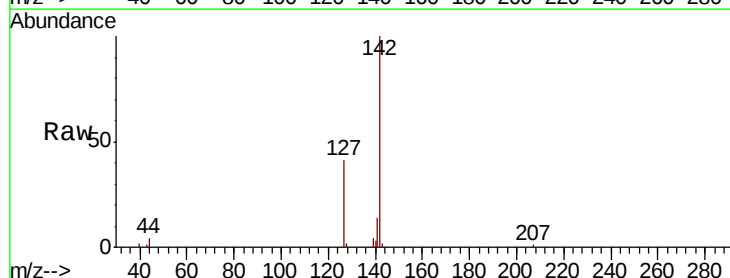
Tgt Ion:142 Resp: 21255

Ion Ratio Lower Upper

142 100

127 40.7 32.3 48.5

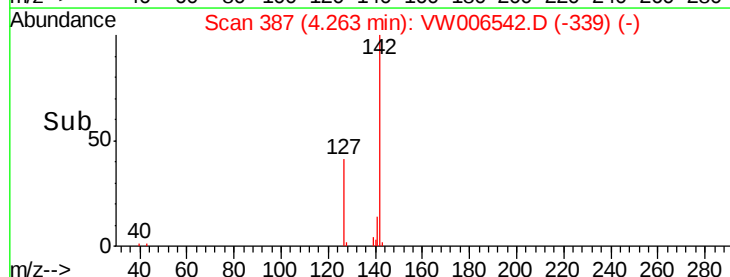
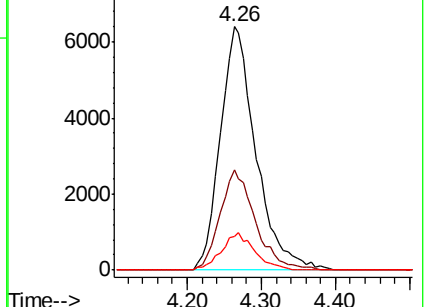
141 14.4 11.3 16.9

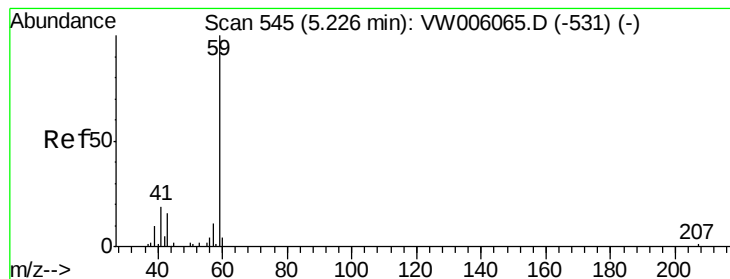


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 22.130 ug/l

RT: 5.26 min Scan# 550

Delta R.T. 0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

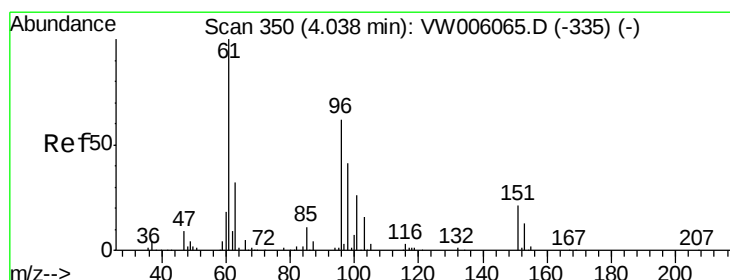
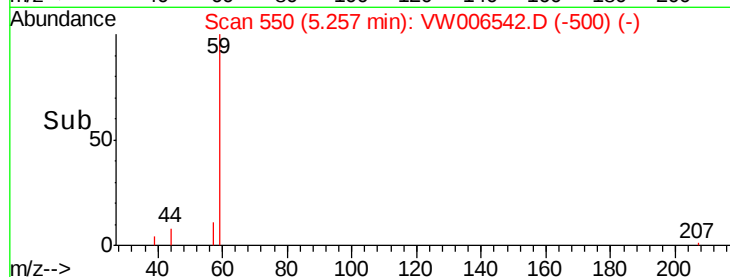
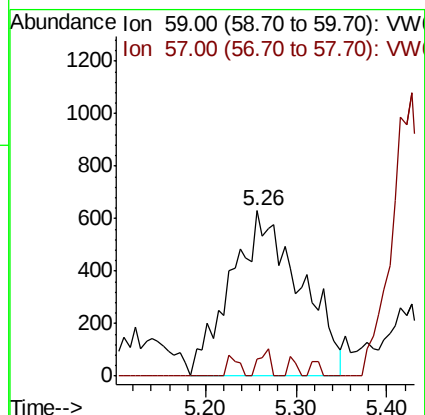
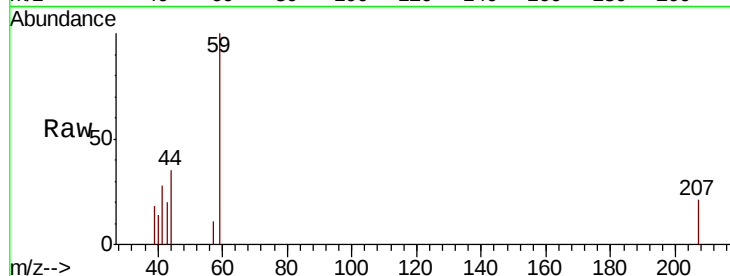
VSTDIC005

Tgt Ion: 59 Resp: 3356

Ion Ratio Lower Upper

59 100

57 0.0 4.3 6.5#



#12

1,1-Dichloroethene

Concen: 4.937 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

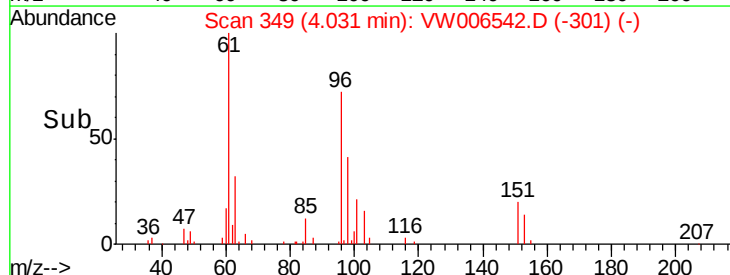
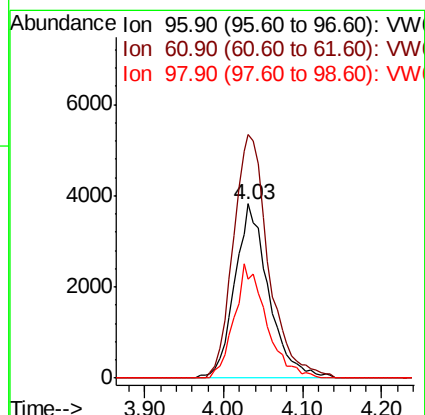
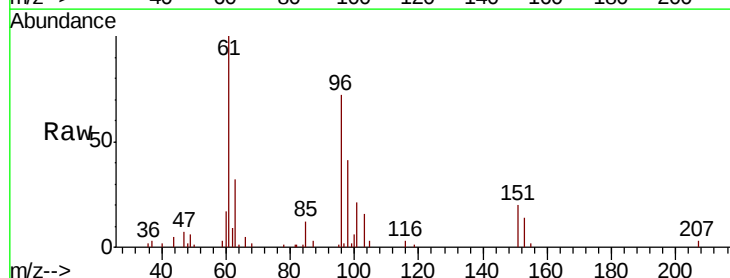
Tgt Ion: 96 Resp: 11422

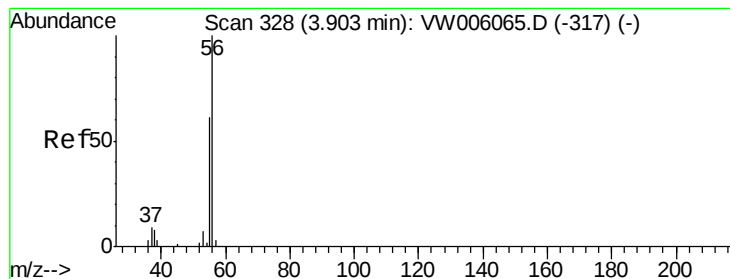
Ion Ratio Lower Upper

96 100

61 139.8 117.0 175.4

98 57.0 52.5 78.7





#13

Acrolein

Concen: 27.337 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

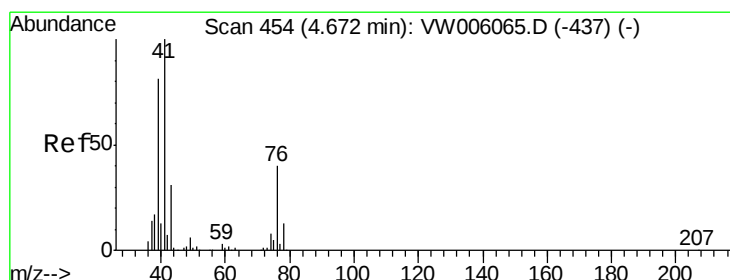
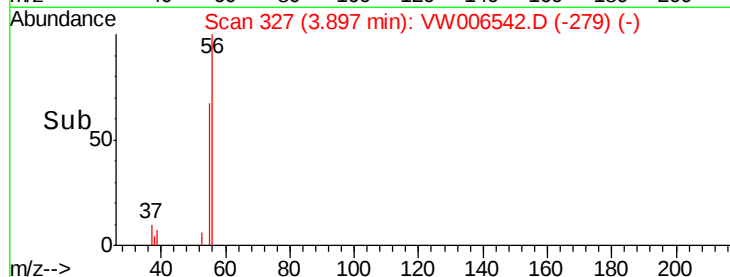
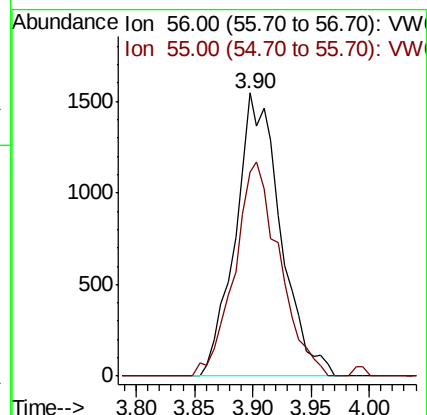
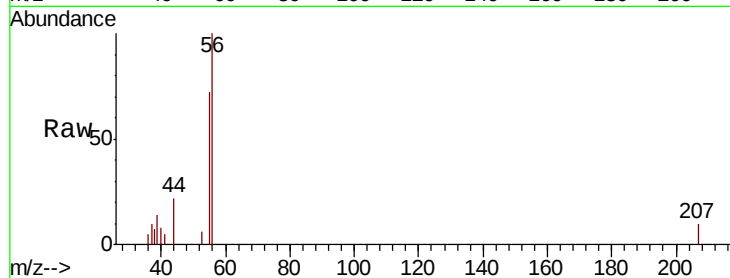
VSTDIC005

Tgt Ion: 56 Resp: 4166

Ion Ratio Lower Upper

56 100

55 75.4 56.9 85.3



#14

Allyl chloride

Concen: 4.333 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

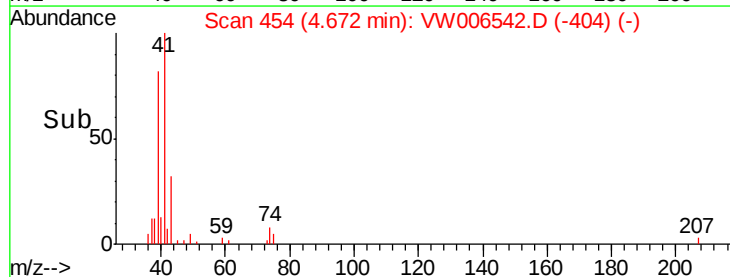
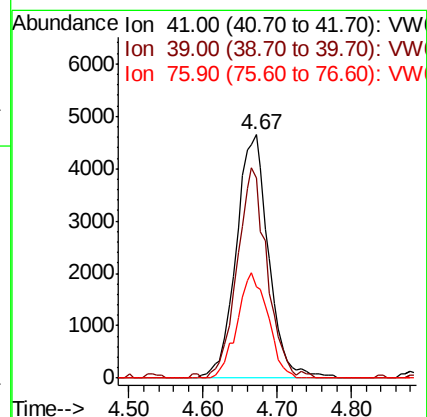
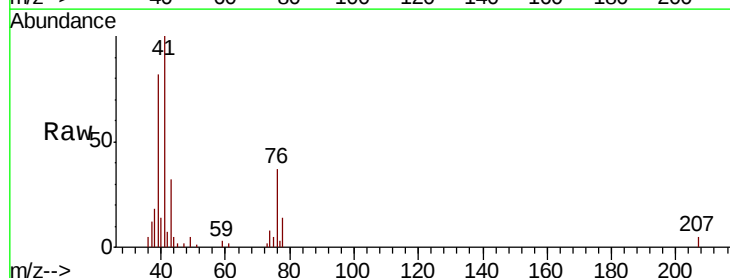
Tgt Ion: 41 Resp: 14160

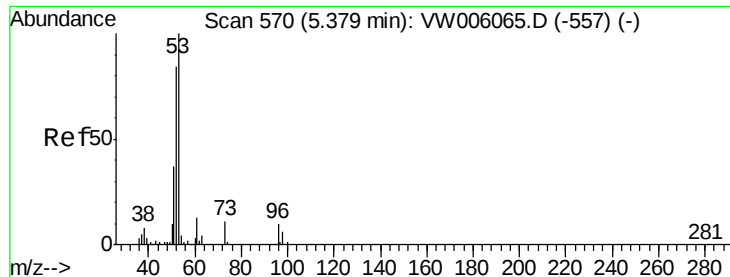
Ion Ratio Lower Upper

41 100

39 79.4 62.1 93.1

76 41.0 34.2 51.2





#15

Acrylonitrile

Concen: 24.828 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

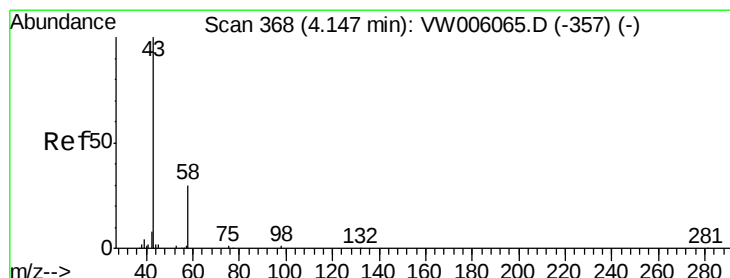
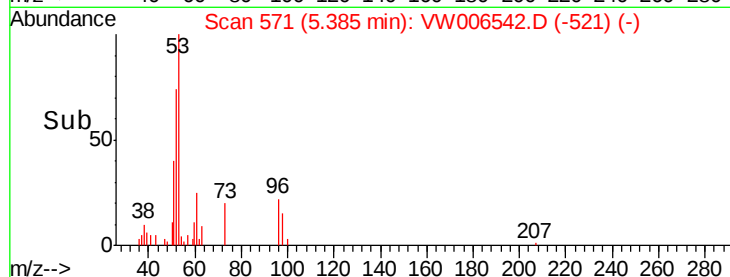
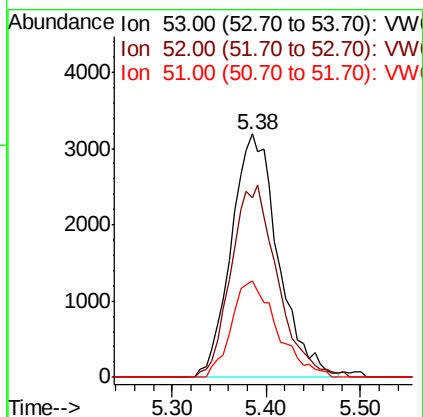
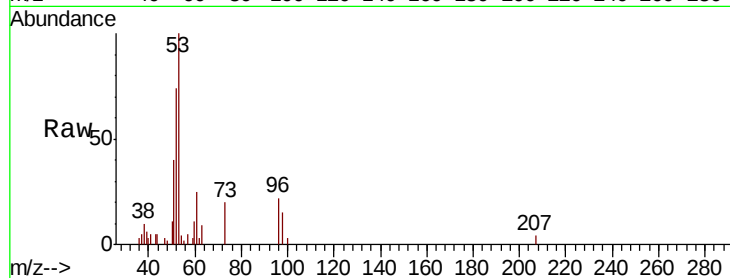
Tgt Ion: 53 Resp: 11073

Ion Ratio Lower Upper

53 100

52 78.3 65.8 98.8

51 38.7 29.6 44.4



#16

Acetone

Concen: 21.929 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.00 min

Lab File: VW006542.D

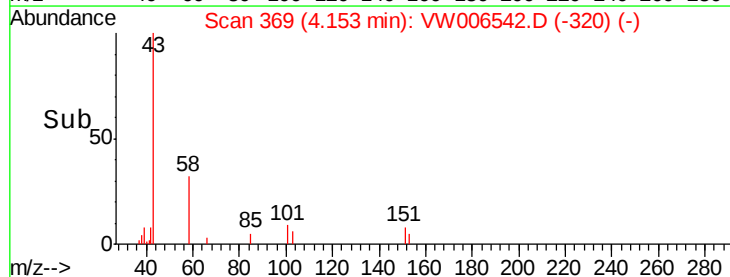
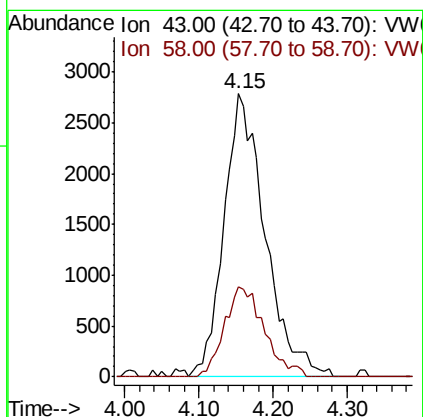
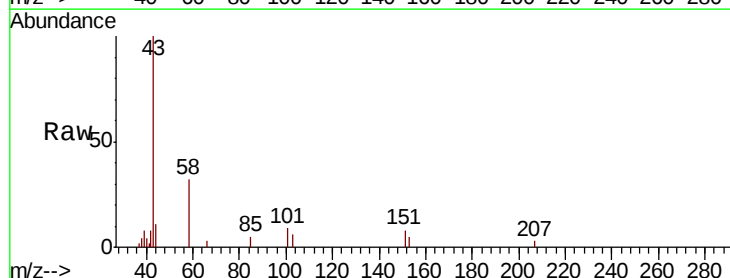
Acq: 31 Oct 2018 23:29

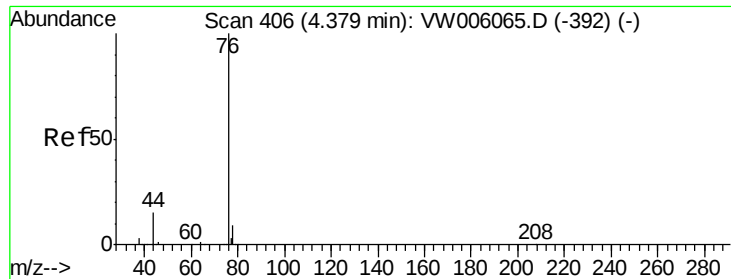
Tgt Ion: 43 Resp: 10740

Ion Ratio Lower Upper

43 100

58 31.9 25.8 38.8





#17

Carbon Disulfide

Concen: 4.366 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

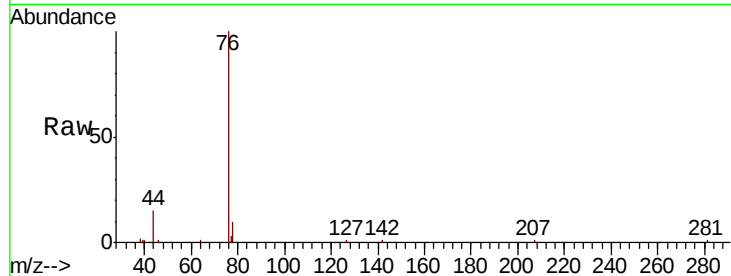
VSTDIC005

Tgt Ion: 76 Resp: 30168

Ion Ratio Lower Upper

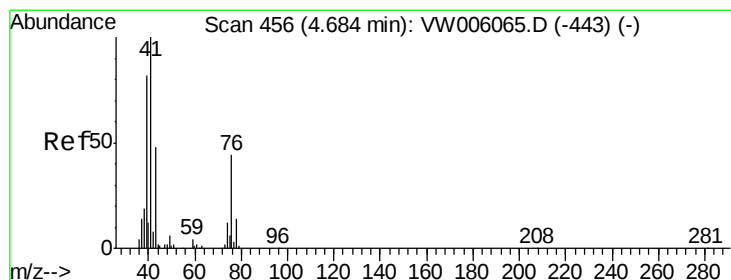
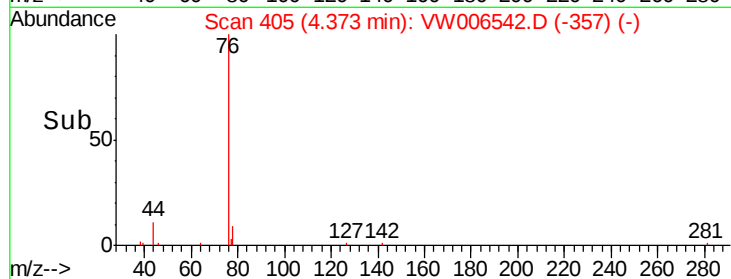
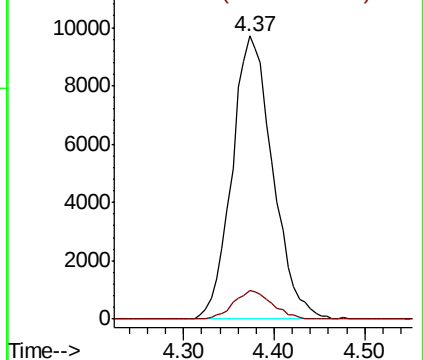
76 100

78 10.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 5.270 ug/l

RT: 4.70 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW006542.D

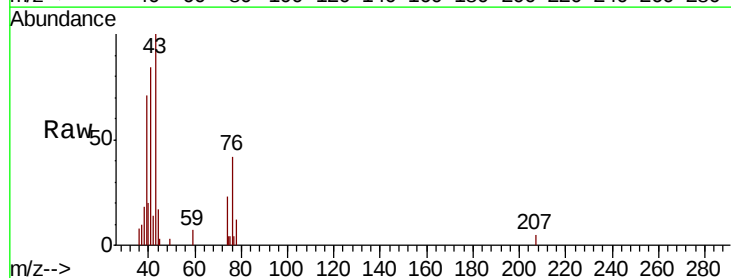
Acq: 31 Oct 2018 23:29

Tgt Ion: 43 Resp: 6042

Ion Ratio Lower Upper

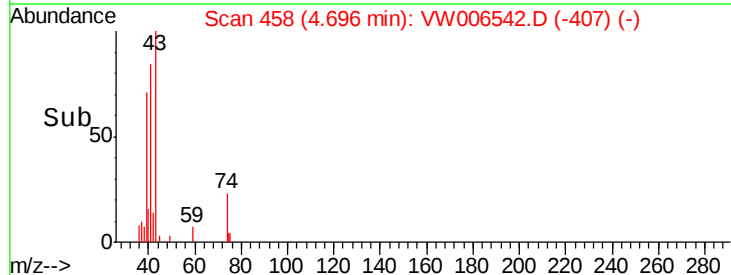
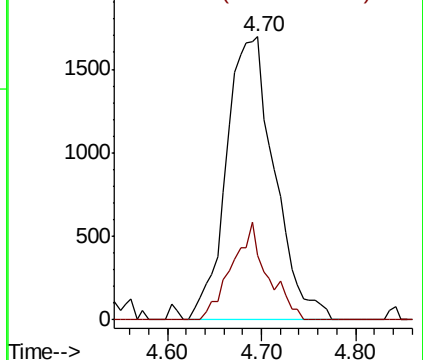
43 100

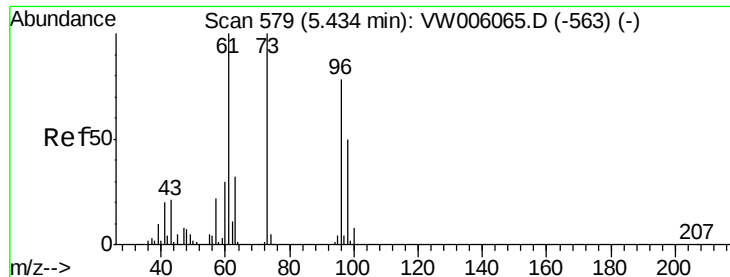
74 25.5 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

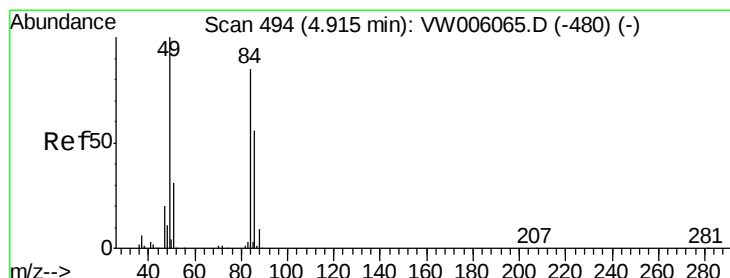
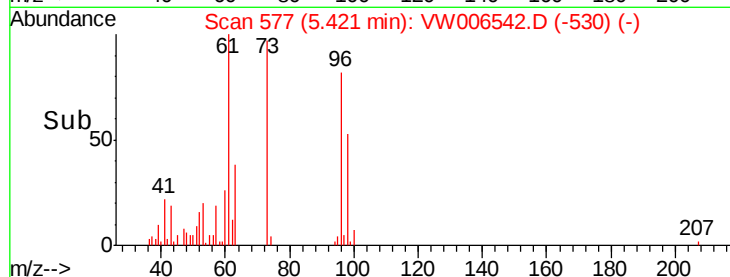
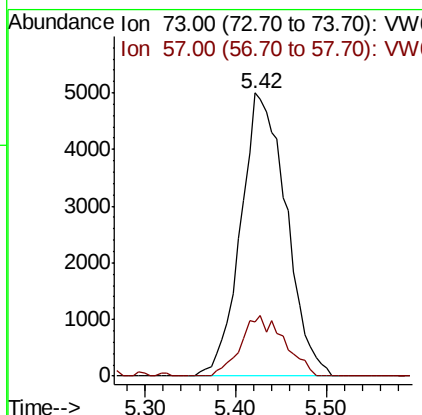
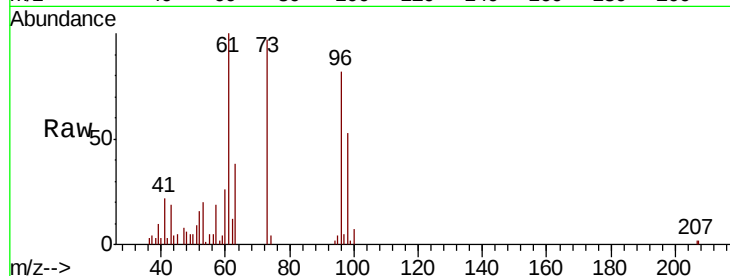




#19
Methyl tert-butyl Ether
Concen: 4.945 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

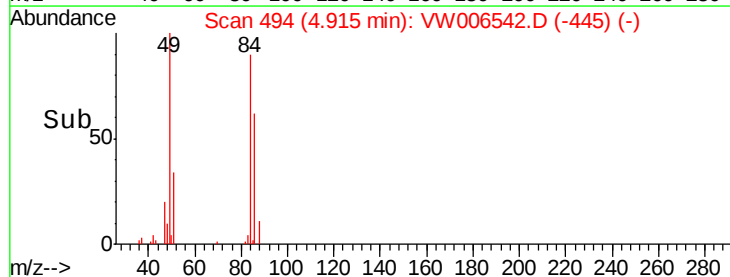
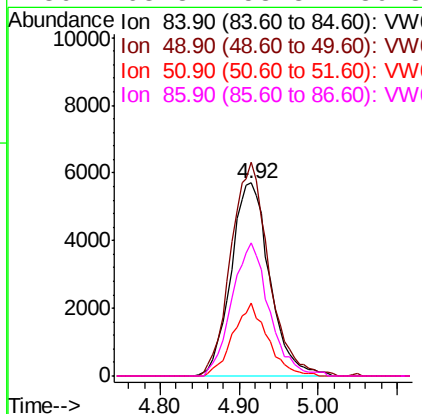
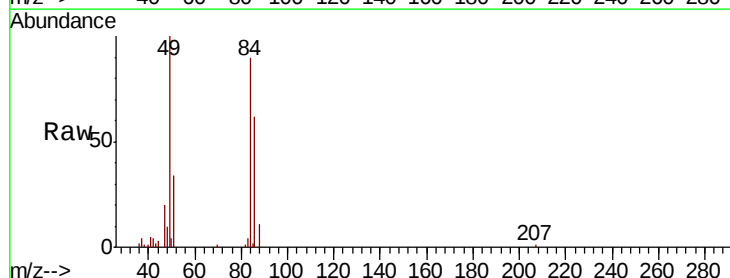
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

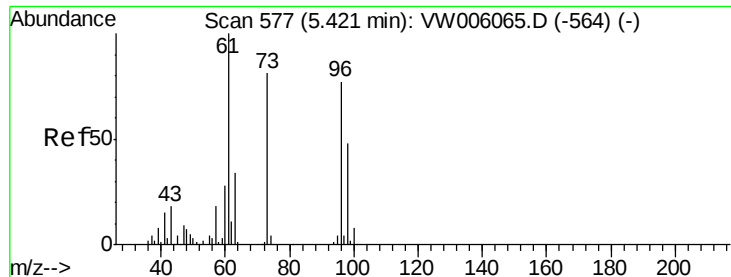
Tgt Ion: 73 Resp: 17347
Ion Ratio Lower Upper
73 100
57 19.2 16.7 25.1



#20
Methylene Chloride
Concen: 7.129 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion: 84 Resp: 19401
Ion Ratio Lower Upper
84 100
49 110.7 88.2 132.4
51 37.9 27.0 40.6
86 68.8 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 4.846 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

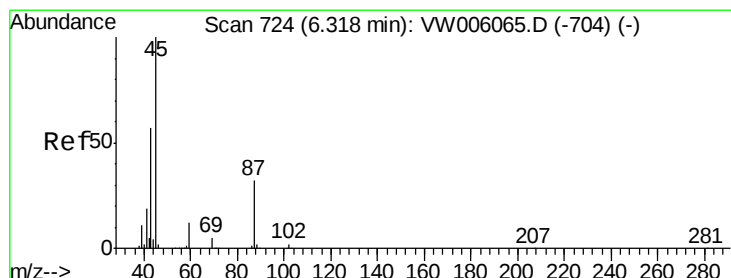
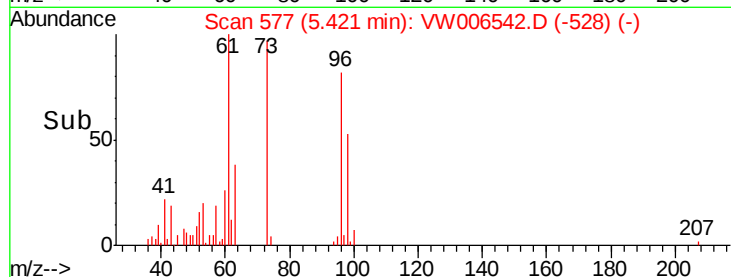
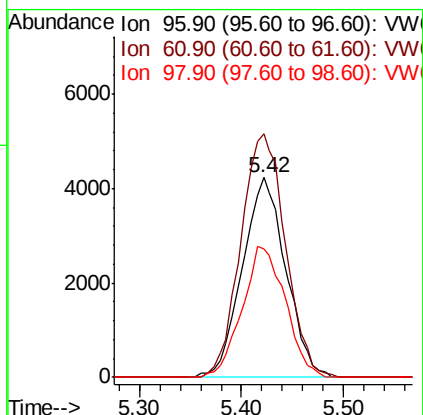
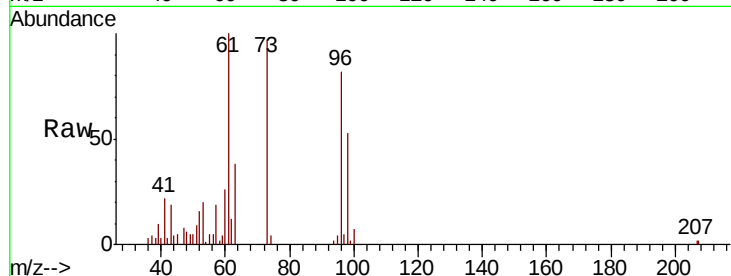
Tgt Ion: 96 Resp: 12527

Ion Ratio Lower Upper

96 100

61 121.8 100.6 150.8

98 64.2 52.9 79.3



#22

Diisopropyl ether

Concen: 4.566 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Tgt Ion: 45 Resp: 29708

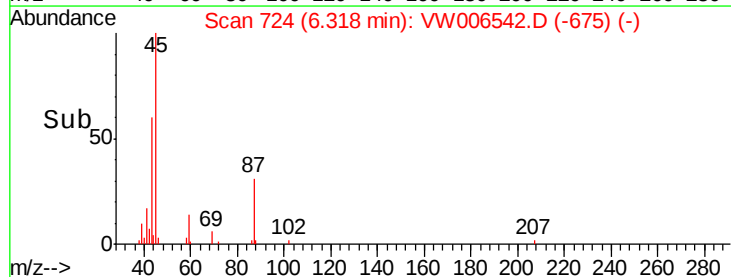
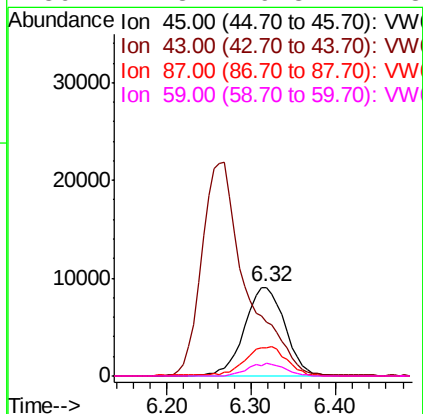
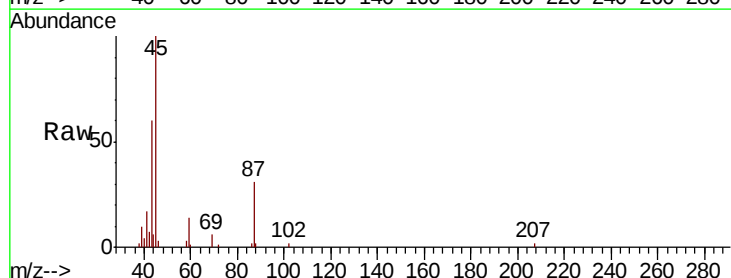
Ion Ratio Lower Upper

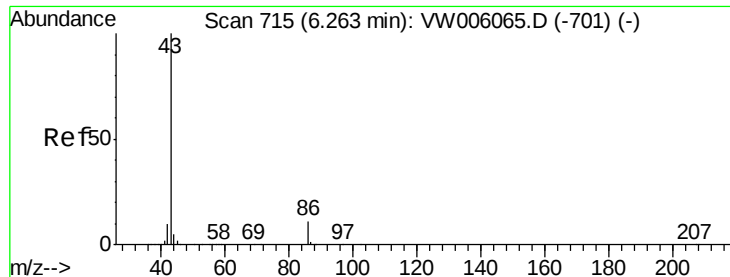
45 100

43 58.9 43.6 65.4

87 31.4 26.3 39.5

59 14.3 9.8 14.8





#23

Vinyl Acetate

Concen: 20.814 ug/l

RT: 6.27 min Scan# 716

Delta R.T. 0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

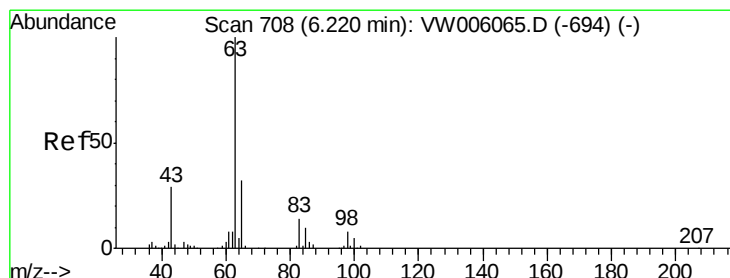
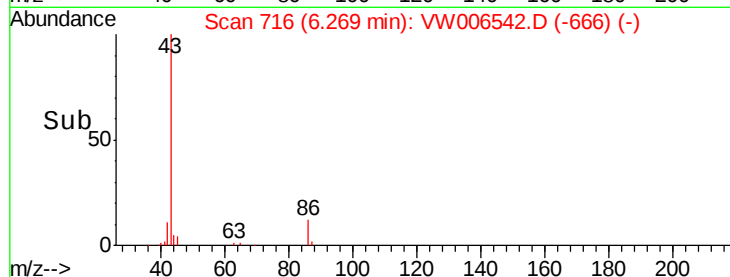
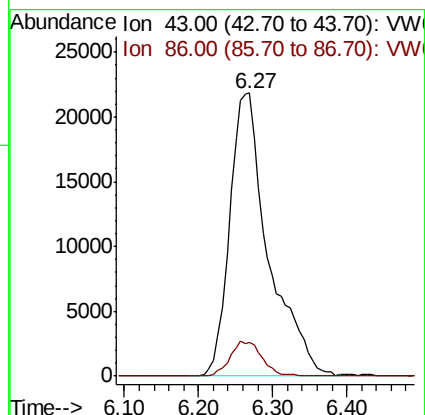
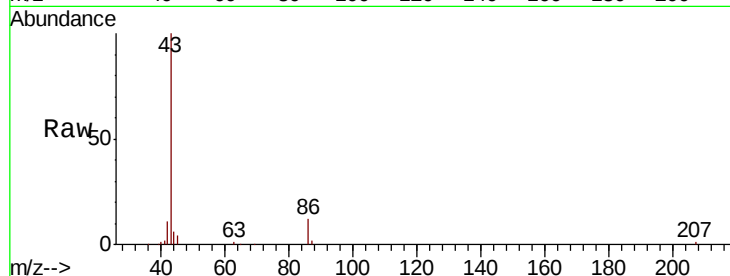
VSTDIC005

Tgt Ion: 43 Resp: 79413

Ion Ratio Lower Upper

43 100

86 11.8 9.8 14.8



#24

1,1-Dichloroethane

Concen: 4.978 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

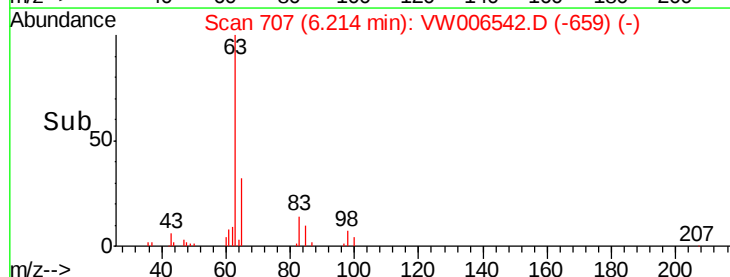
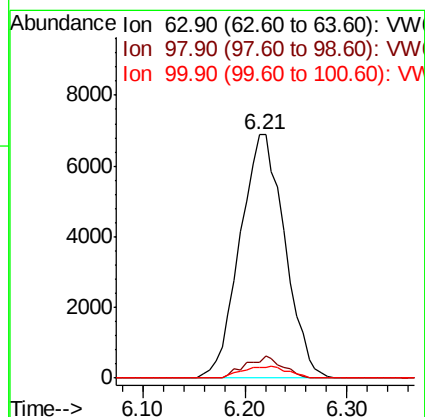
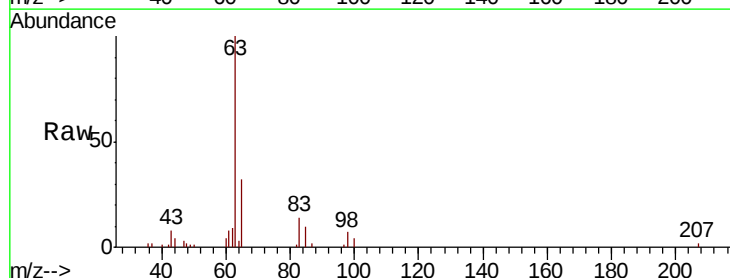
Tgt Ion: 63 Resp: 20995

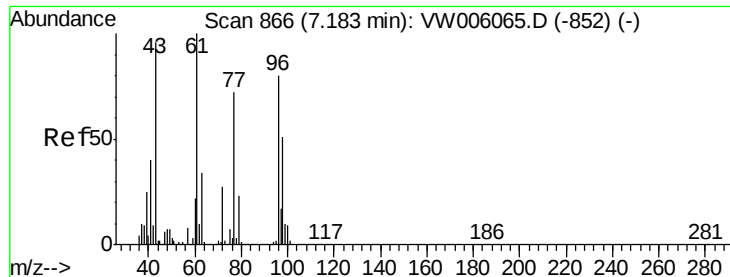
Ion Ratio Lower Upper

63 100

98 6.7 3.8 11.4

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 22.986 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

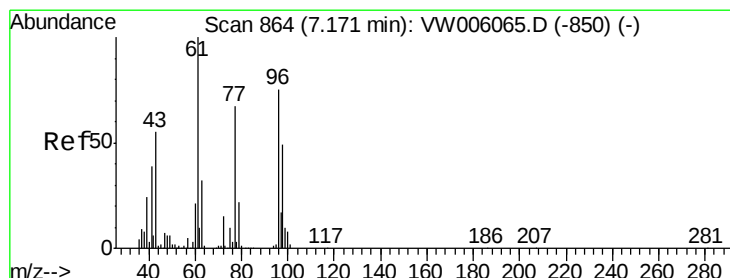
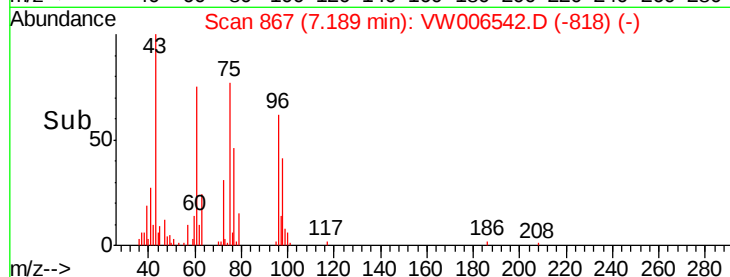
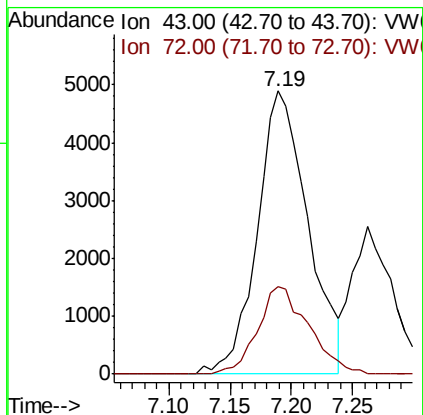
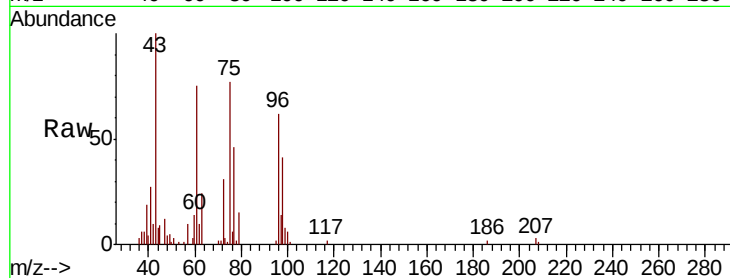
VSTDIC005

Tgt Ion: 43 Resp: 14134

Ion Ratio Lower Upper

43 100

72 31.0 23.2 34.8



#26

2,2-Dichloropropane

Concen: 4.485 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006542.D

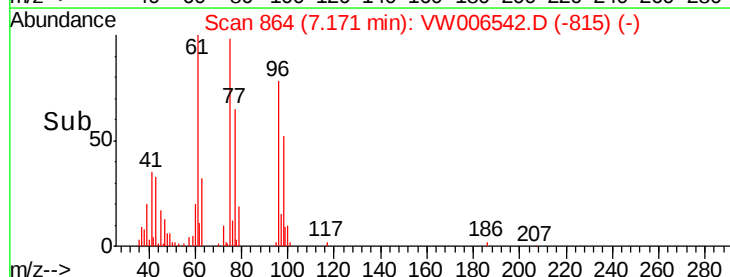
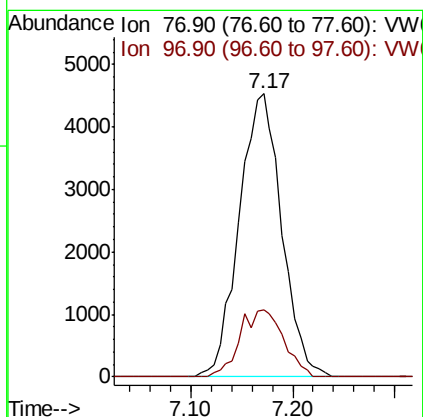
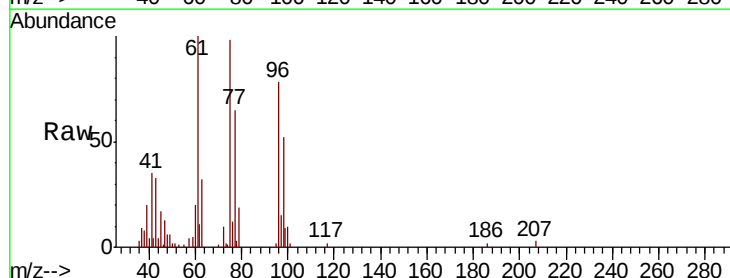
Acq: 31 Oct 2018 23:29

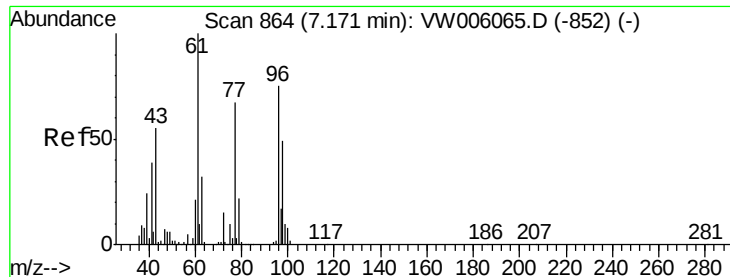
Tgt Ion: 77 Resp: 13088

Ion Ratio Lower Upper

77 100

97 24.3 12.8 38.4



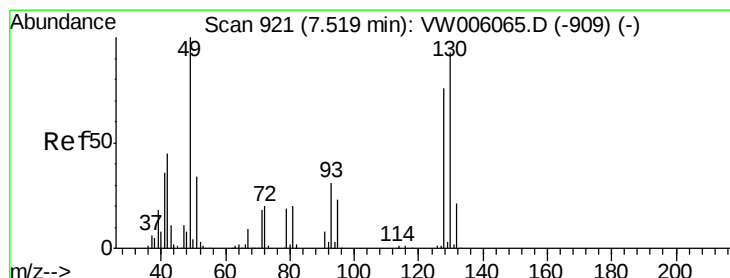
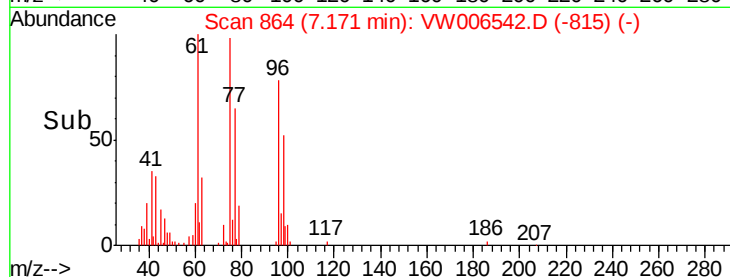
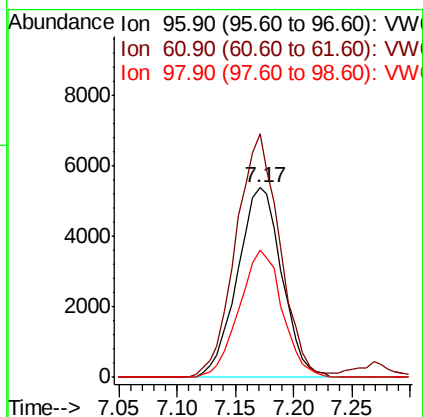
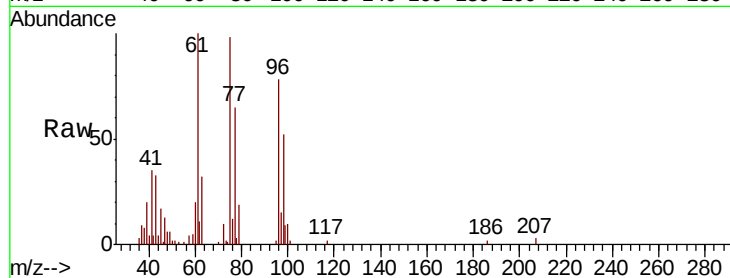


#27

cis-1,2-Dichloroethene
Concen: 4.975 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

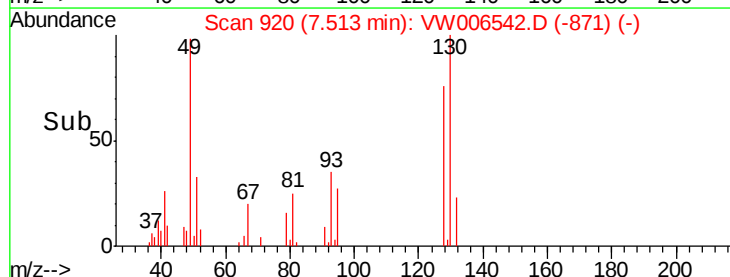
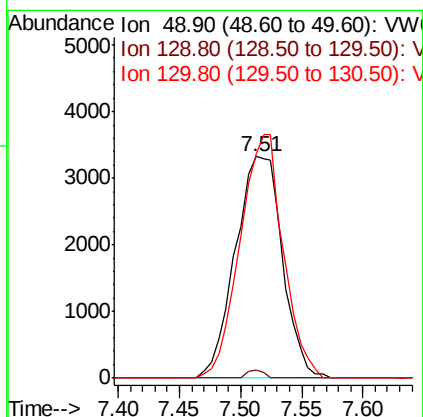
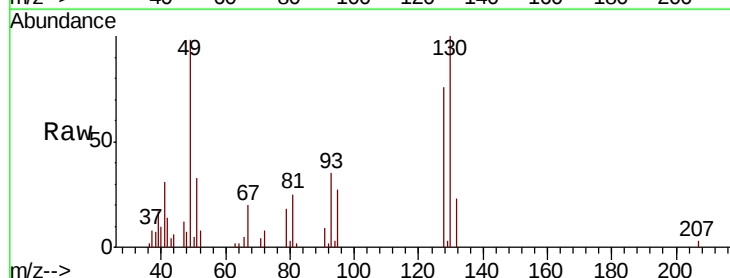
Tgt Ion: 96 Resp: 14235
Ion Ratio Lower Upper
96 100
61 127.1 0.0 254.2
98 65.3 0.0 129.6

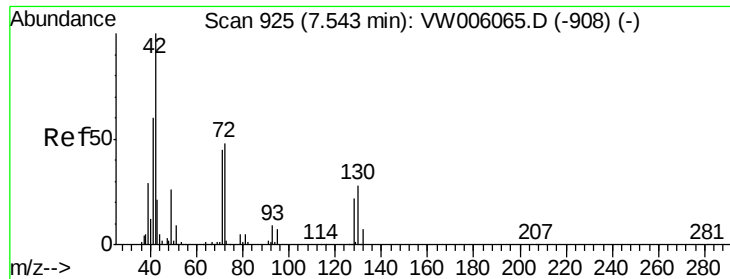


#28

Bromochloromethane
Concen: 5.461 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion: 49 Resp: 8869
Ion Ratio Lower Upper
49 100
129 1.2 0.0 5.6
130 101.0 82.2 123.2

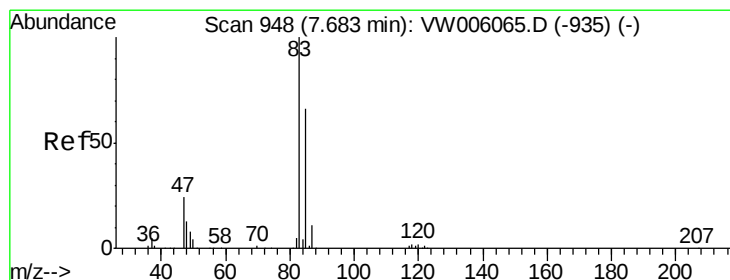
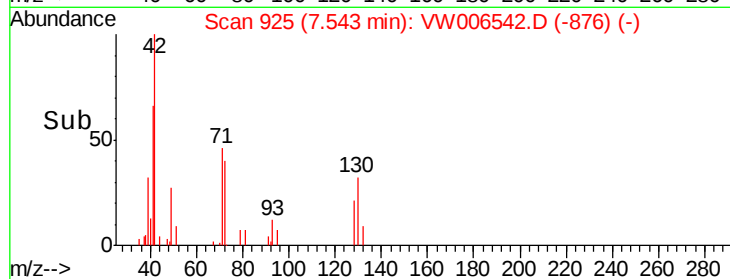
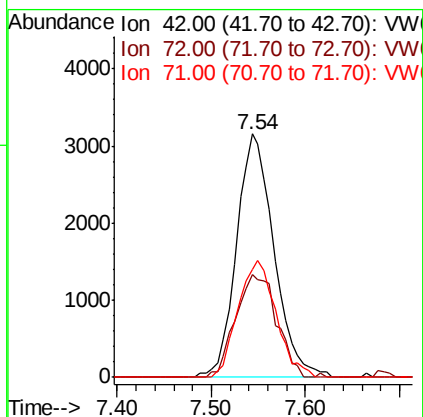
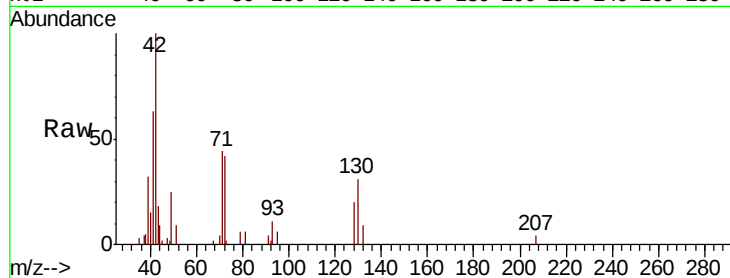




#29
Tetrahydrofuran
Concen: 23.054 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

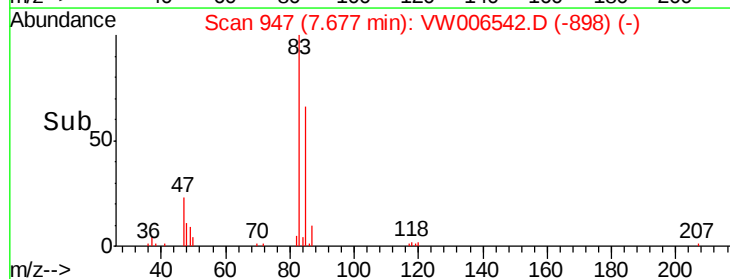
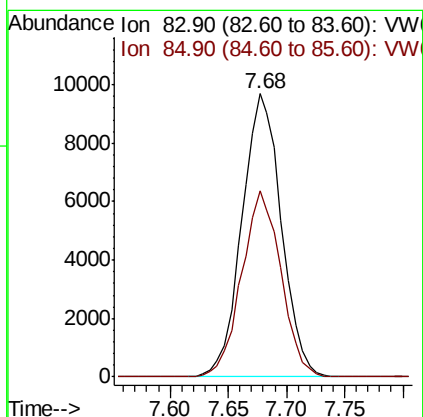
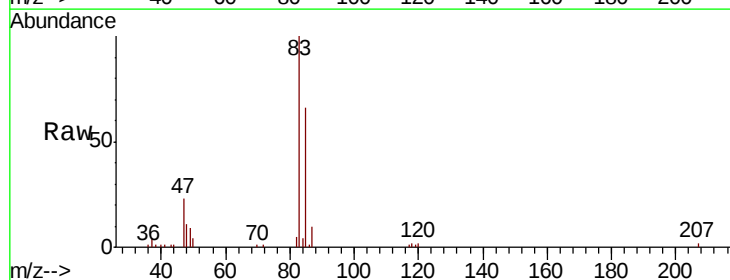
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

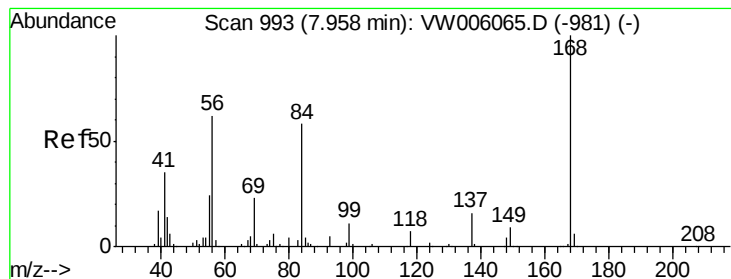
Tgt Ion: 42 Resp: 8728
Ion Ratio Lower Upper
42 100
72 46.3 39.2 58.8
71 48.6 37.6 56.4



#30
Chloroform
Concen: 4.929 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion: 83 Resp: 22742
Ion Ratio Lower Upper
83 100
85 65.6 51.3 76.9





#31

Cyclohexane

Concen: 5.259 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

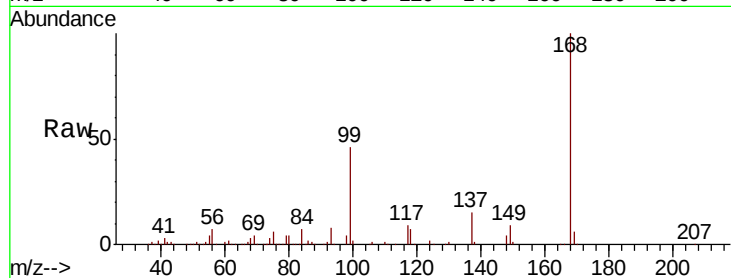
Tgt Ion: 56 Resp: 21823

Ion Ratio Lower Upper

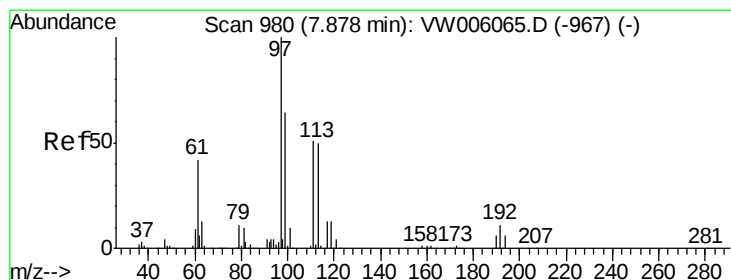
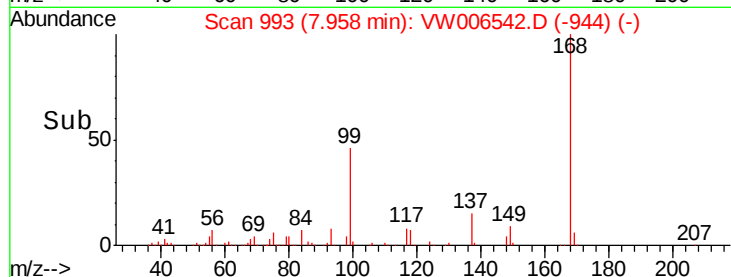
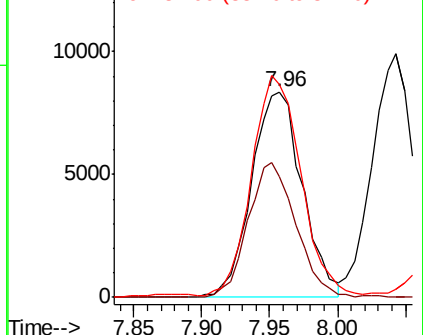
56 100

69 58.8 29.0 43.4#

84 102.5 77.8 116.6



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



#32

1,1,1-Trichloroethane

Concen: 4.588 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

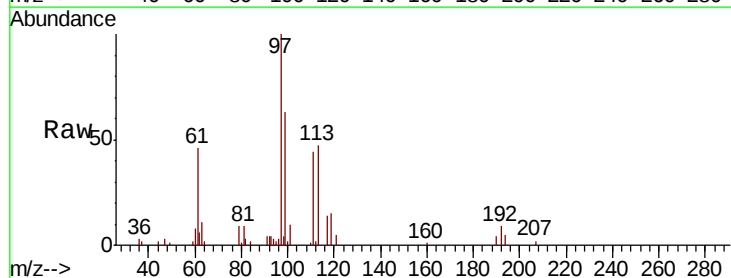
Tgt Ion: 97 Resp: 18881

Ion Ratio Lower Upper

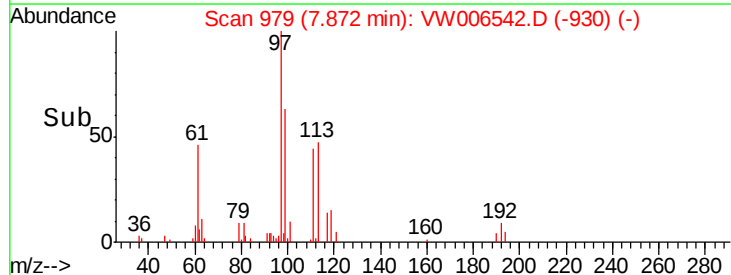
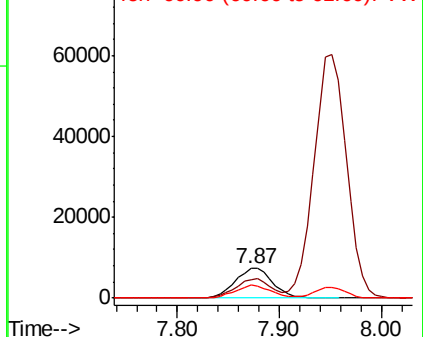
97 100

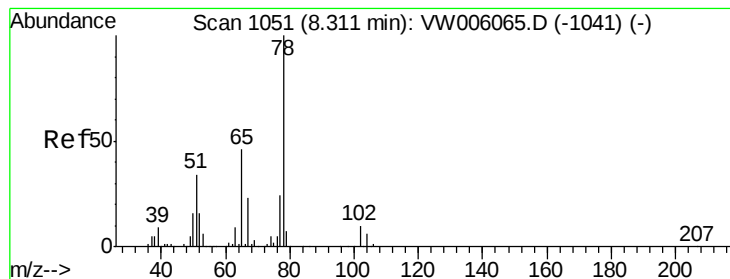
99 60.6 51.7 77.5

61 41.6 32.9 49.3



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





#33

1,2-Dichloroethane-d4

Concen: 5.338 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

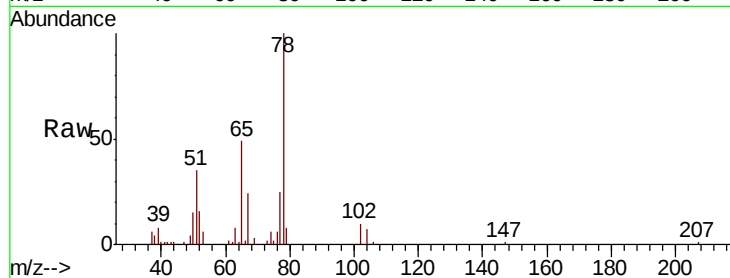
VSTDIC005

Tgt Ion: 65 Resp: 12406

Ion Ratio Lower Upper

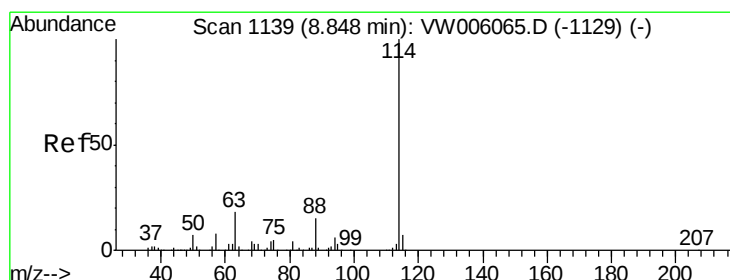
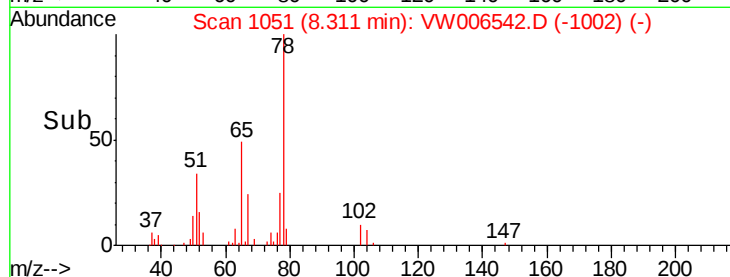
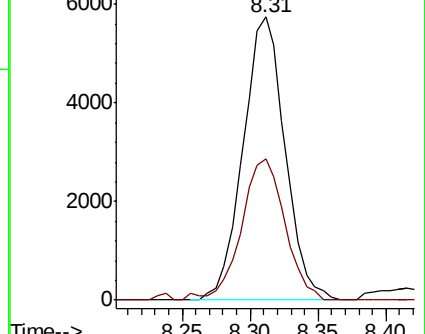
65 100

67 51.9 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

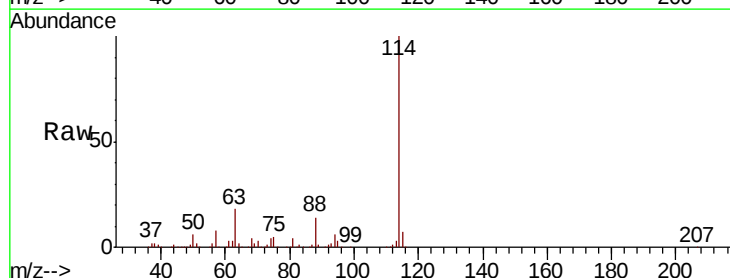
Tgt Ion: 114 Resp: 406131

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.4

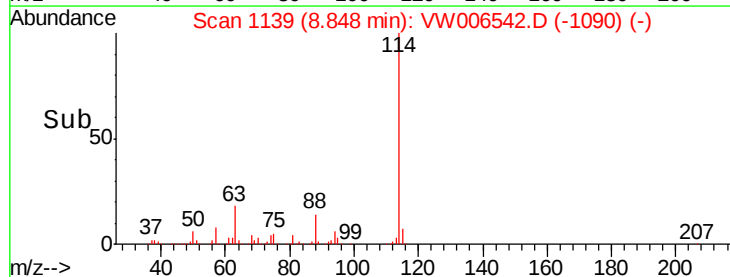
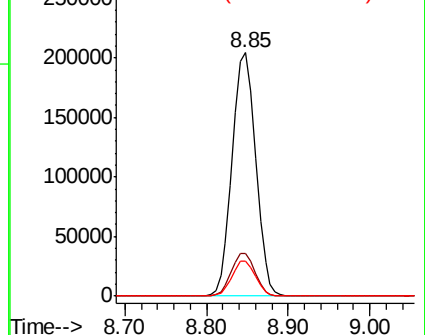
88 14.5 0.0 29.0

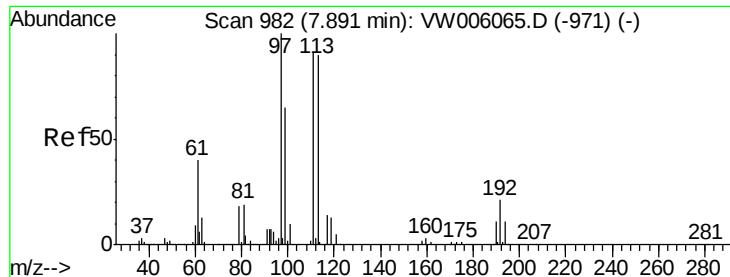


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 5.157 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

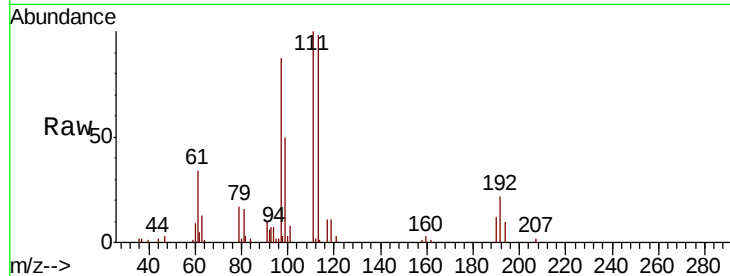
Tgt Ion:113 Resp: 12524

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

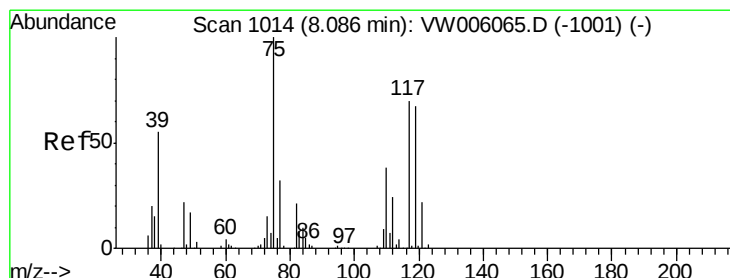
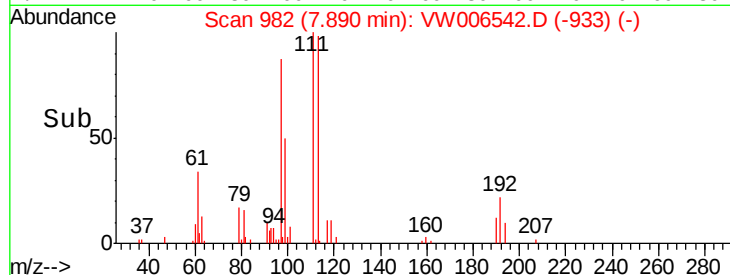
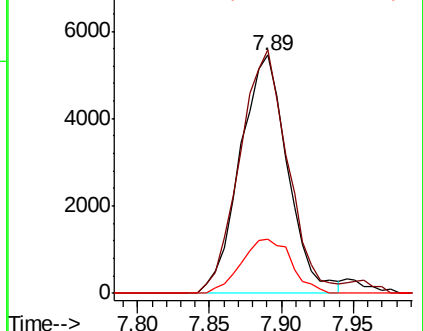
192 23.8 19.0 28.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.824 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

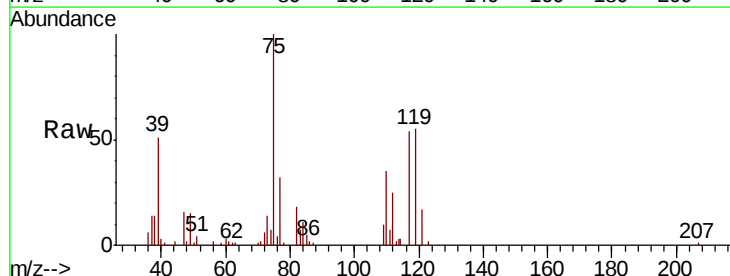
Tgt Ion: 75 Resp: 17927

Ion Ratio Lower Upper

75 100

110 36.5 19.5 58.5

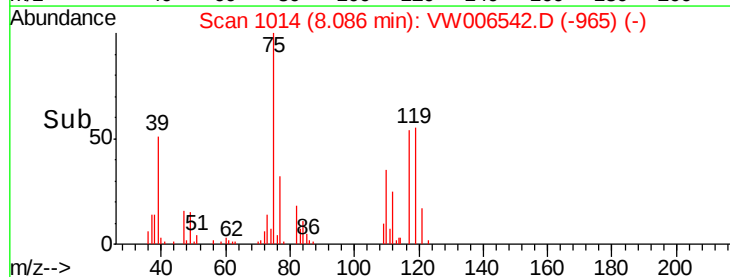
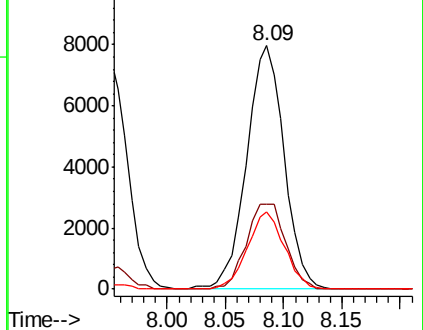
77 31.2 24.6 37.0

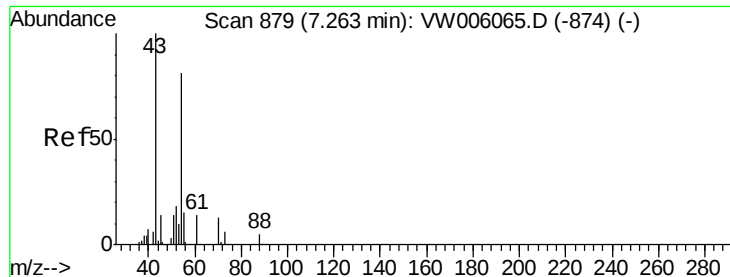


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

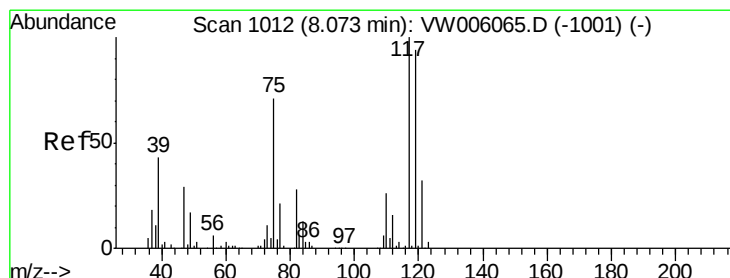
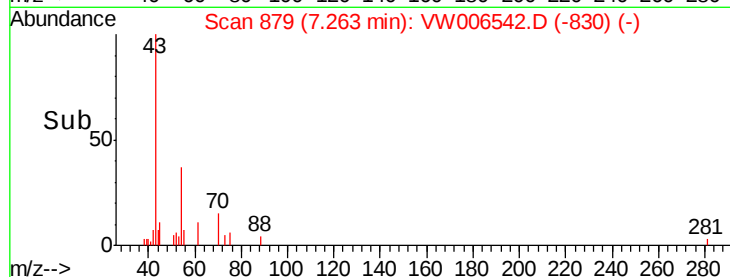
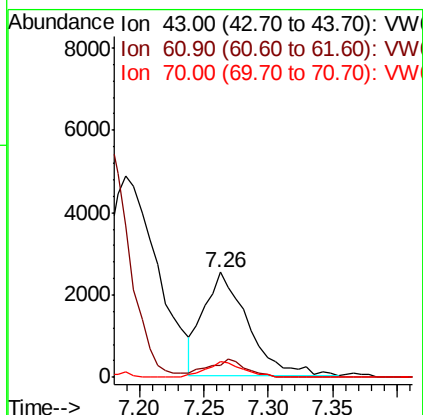
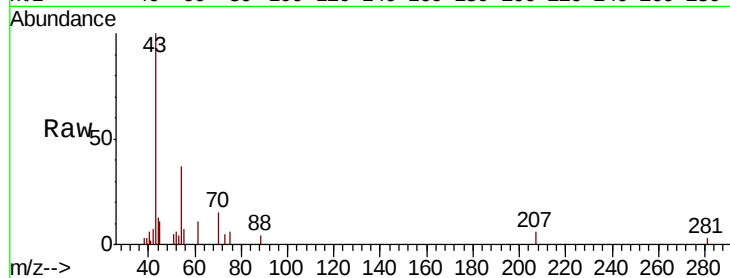




#37
 Ethyl Acetate
 Concen: 4.403 ug/l
 RT: 7.26 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

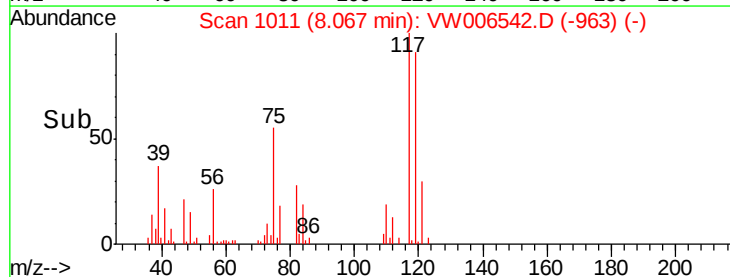
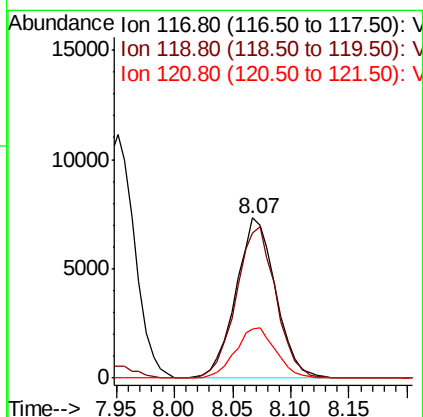
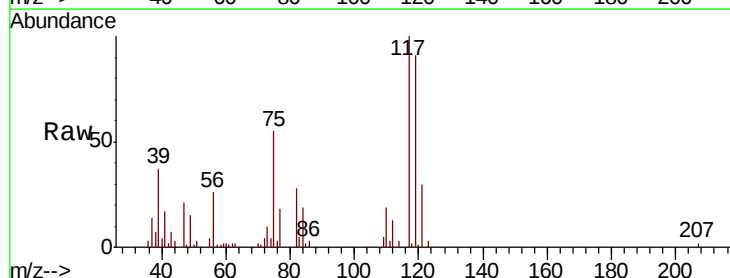
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

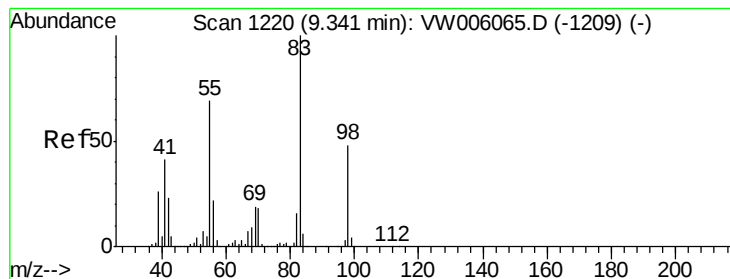
Tgt Ion: 43 Resp: 6050
 Ion Ratio Lower Upper
 43 100
 61 14.6 12.1 18.1
 70 12.6 9.8 14.6



#38
 Carbon Tetrachloride
 Concen: 4.326 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Tgt Ion: 117 Resp: 17501
 Ion Ratio Lower Upper
 117 100
 119 90.9 76.3 114.5
 121 30.3 24.1 36.1

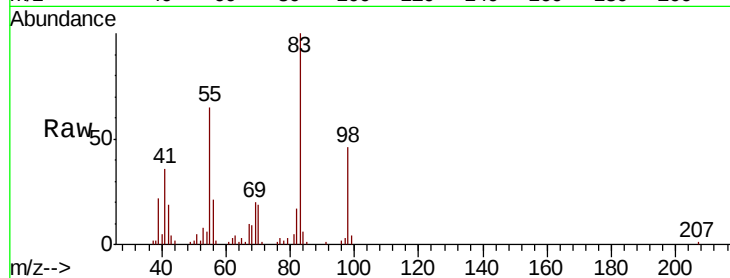




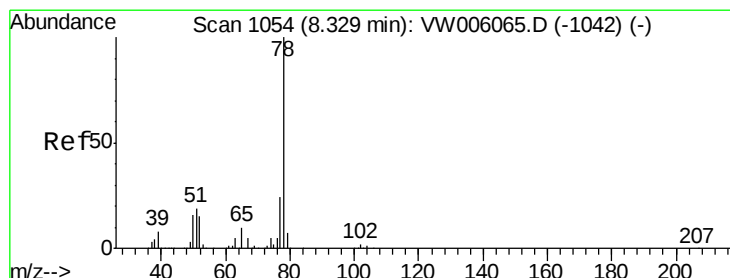
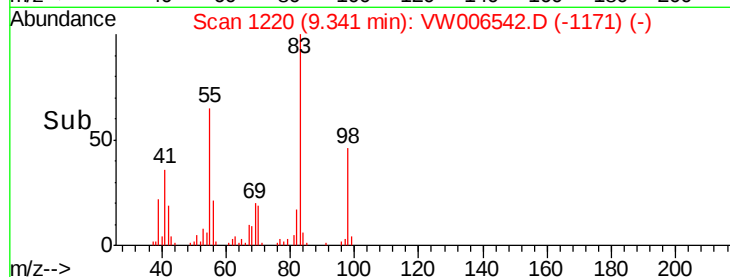
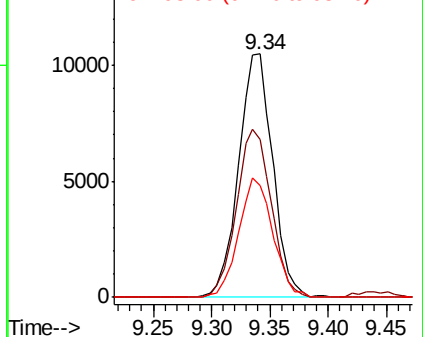
#39
Methylcyclohexane
Concen: 4.357 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tgt Ion: 83 Resp: 21414
Ion Ratio Lower Upper
83 100
55 65.0 53.7 80.5
98 46.0 39.2 58.8

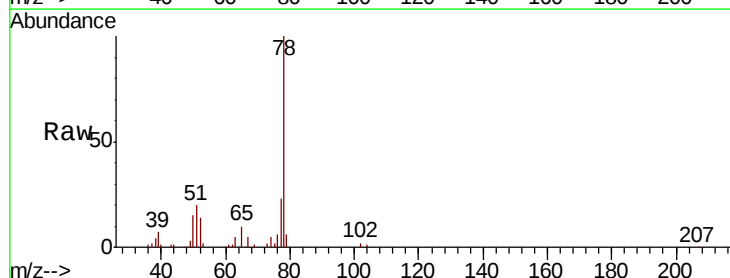


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

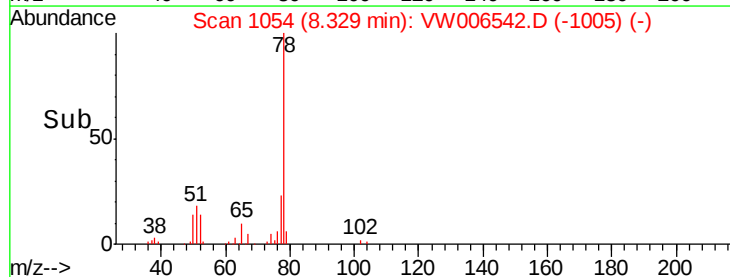
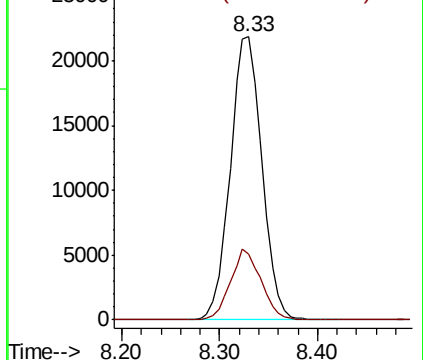


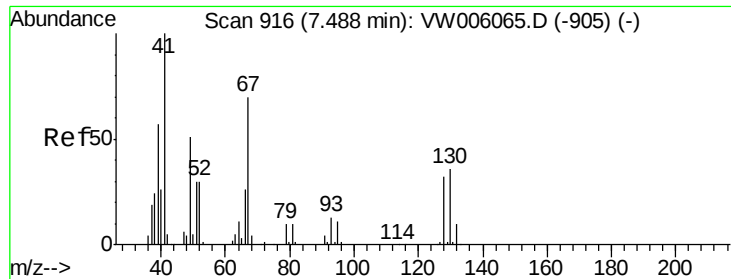
#40
Benzene
Concen: 4.762 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion: 78 Resp: 48931
Ion Ratio Lower Upper
78 100
77 23.2 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

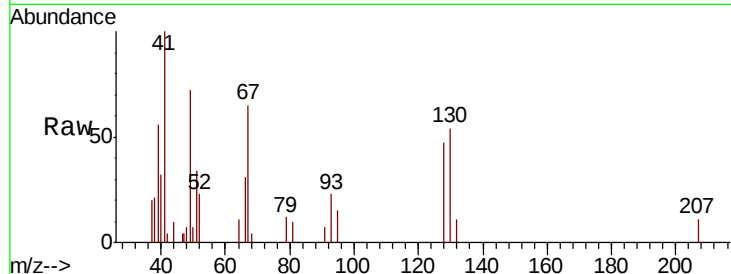




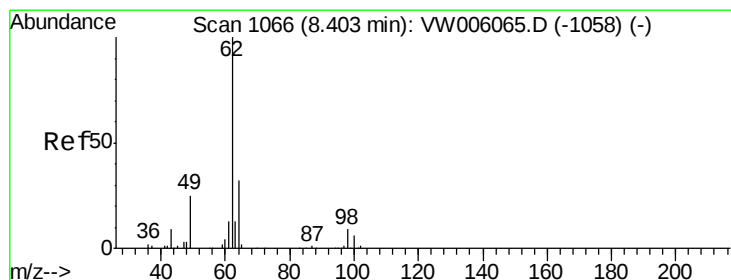
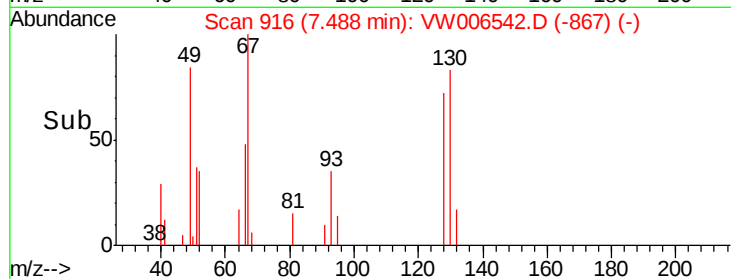
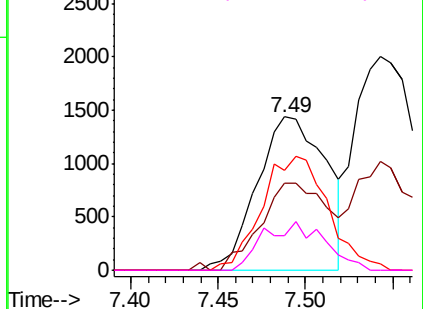
#41
Methacrylonitrile
Concen: 4.809 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:	41	Resp:	3954
Ion	Ratio	Lower	Upper
41	100		
39	55.2	44.5	66.7
67	71.6	63.8	95.8
52	28.0	26.3	39.5

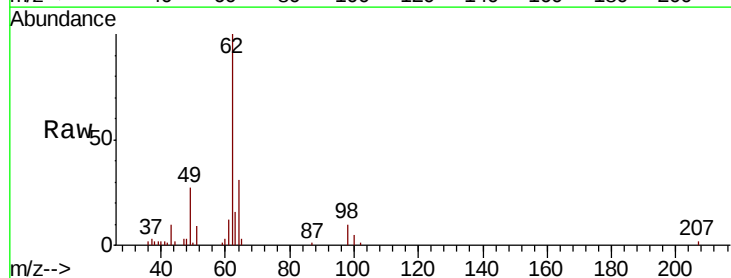


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

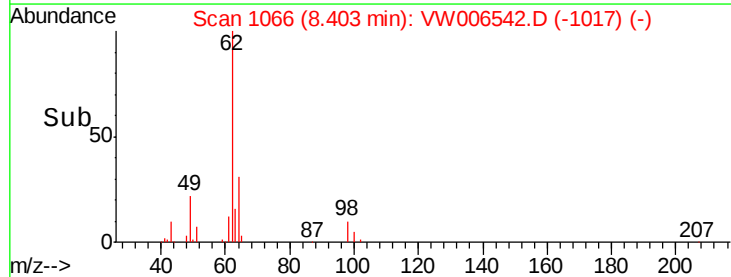
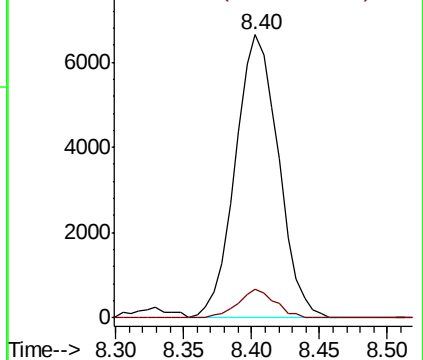


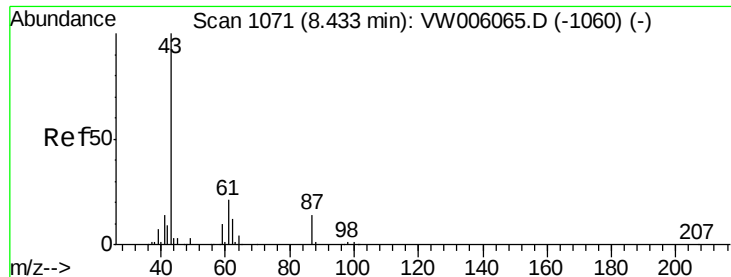
#42
1,2-Dichloroethane
Concen: 4.907 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion:	62	Resp:	14717
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	19.8



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

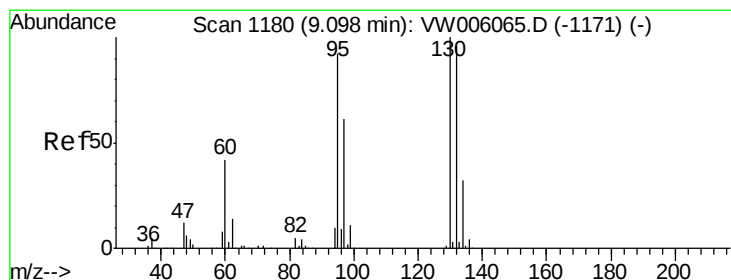
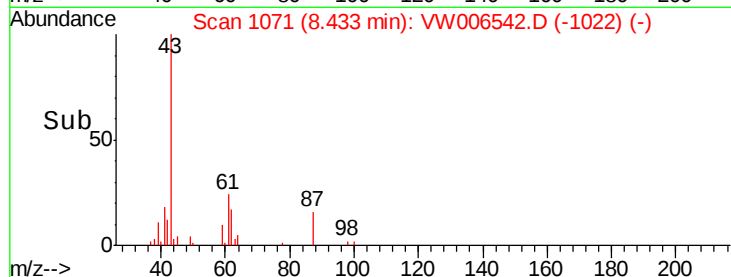
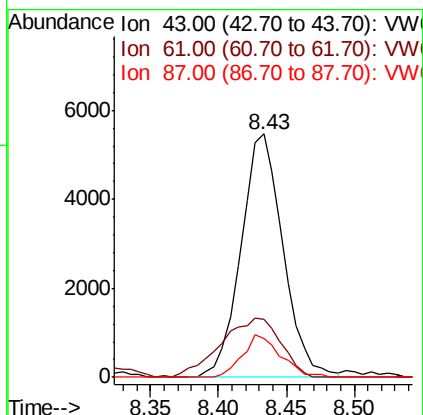
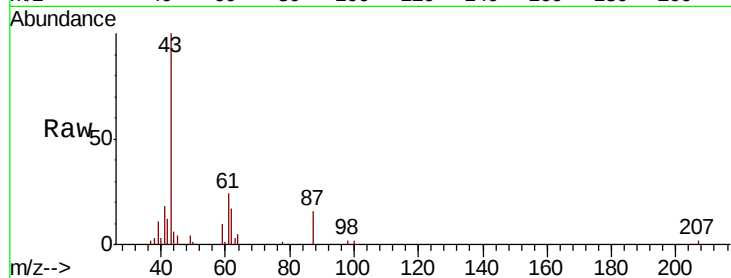




#43
Isopropyl Acetate
Concen: 4.249 ug/l
RT: 8.43 min Scan# 1071
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

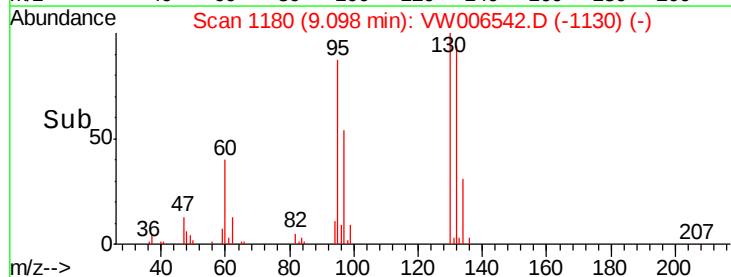
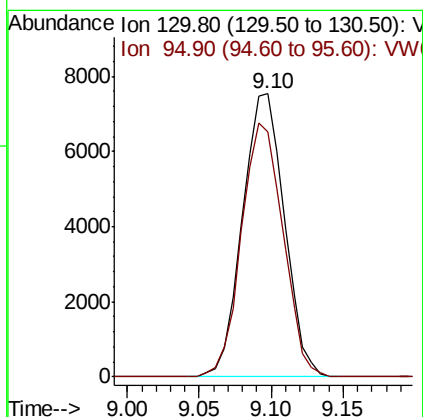
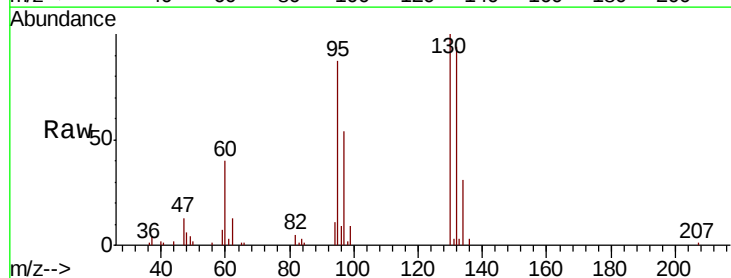
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

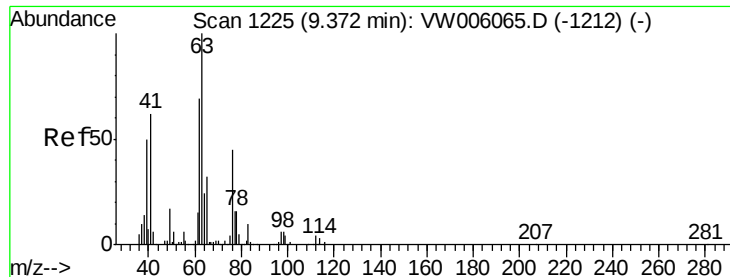
Tgt Ion: 43 Resp: 11859
Ion Ratio Lower Upper
43 100
61 34.5 27.2 40.8
87 15.9 12.9 19.3



#44
Trichloroethene
Concen: 4.824 ug/l
RT: 9.10 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion: 130 Resp: 15213
Ion Ratio Lower Upper
130 100
95 86.6 0.0 179.2

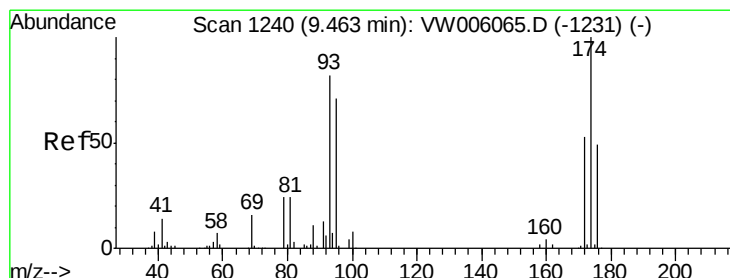
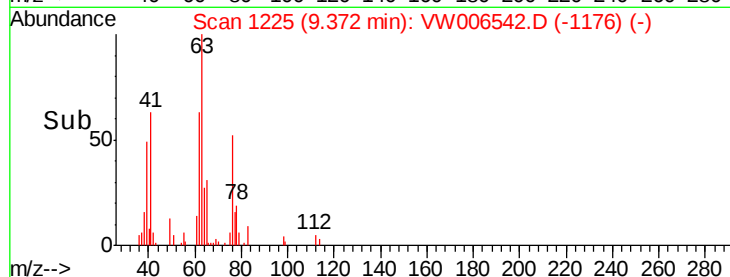
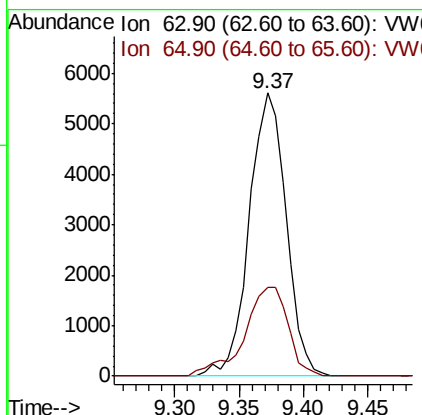
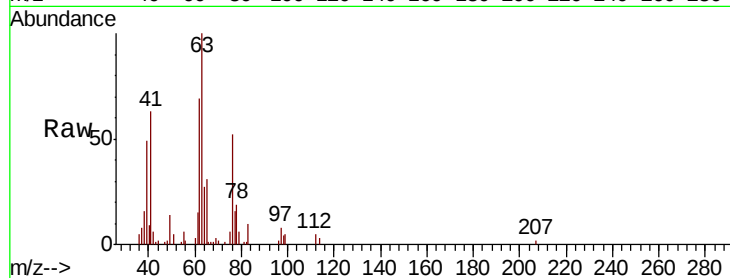




#45
 1,2-Dichloropropane
 Concen: 4.530 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

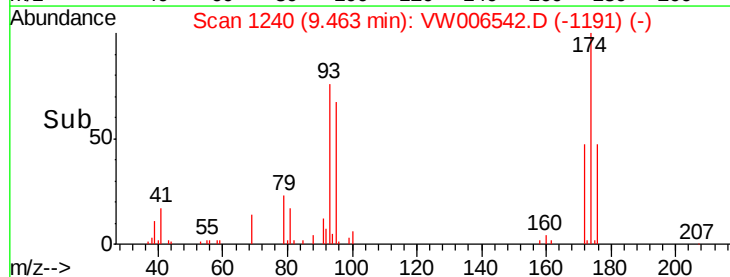
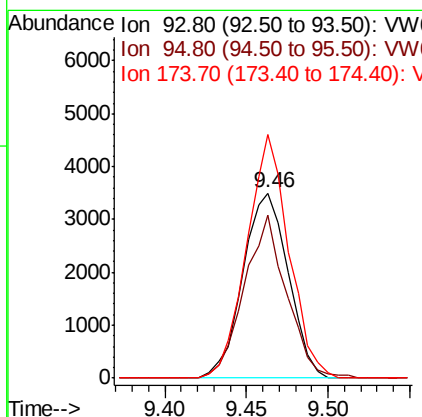
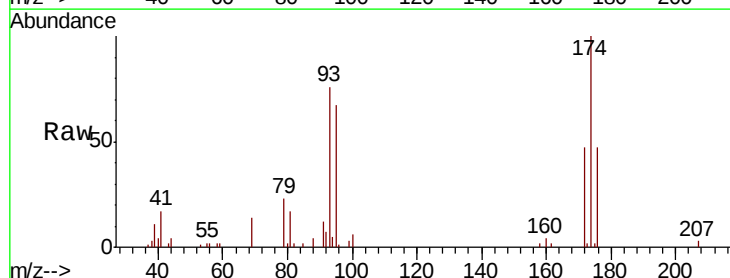
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

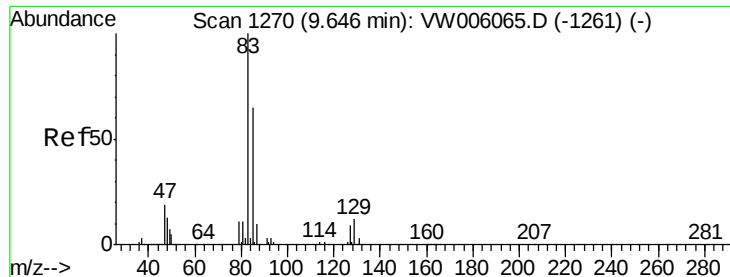
Tgt Ion: 63 Resp: 11094
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.1 37.7



#46
 Dibromomethane
 Concen: 4.844 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Tgt Ion: 93 Resp: 6780
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.2 100.8
 174 122.0 97.3 145.9





#47

Bromodichloromethane

Concen: 4.385 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

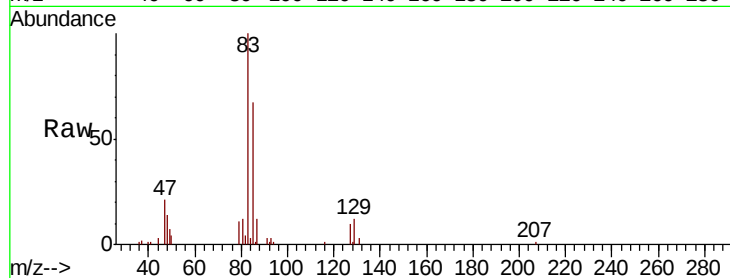
Tgt Ion: 83 Resp: 14830

Ion Ratio Lower Upper

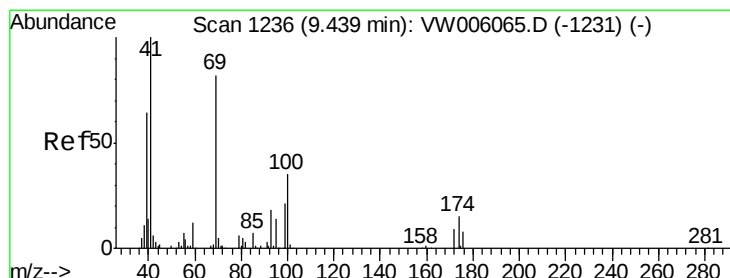
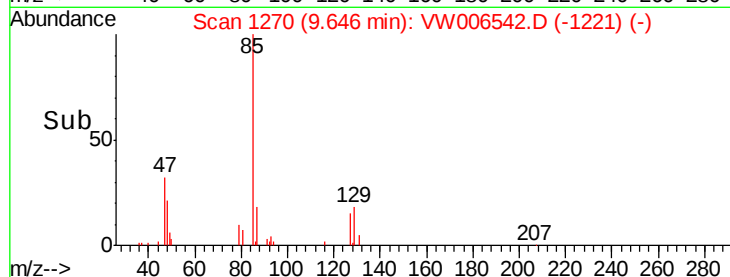
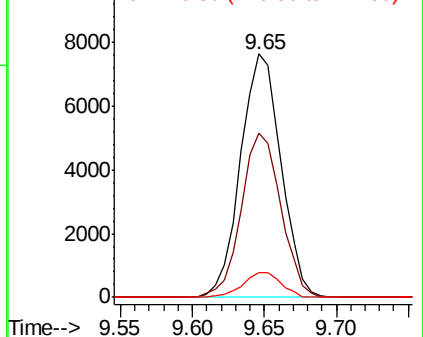
83 100

85 67.4 50.6 75.8

127 10.1 7.5 11.3



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



#48

Methyl methacrylate

Concen: 4.050 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

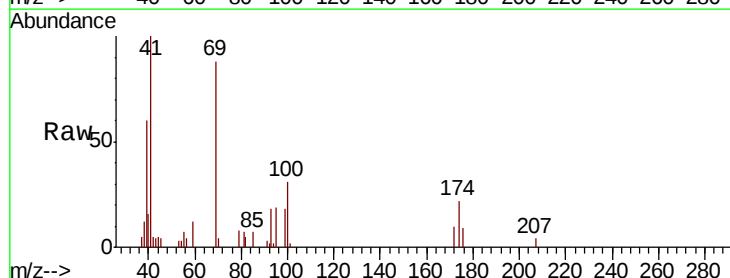
Tgt Ion: 41 Resp: 5374

Ion Ratio Lower Upper

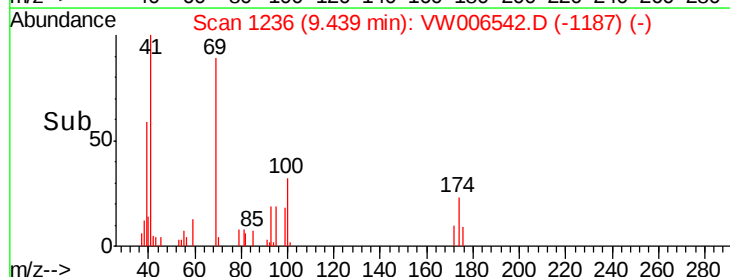
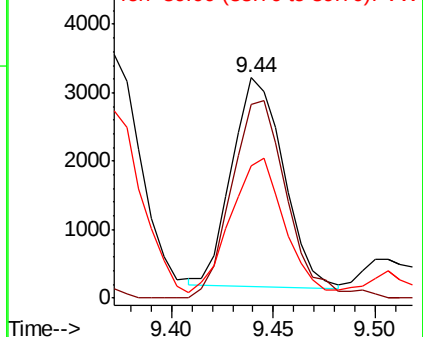
41 100

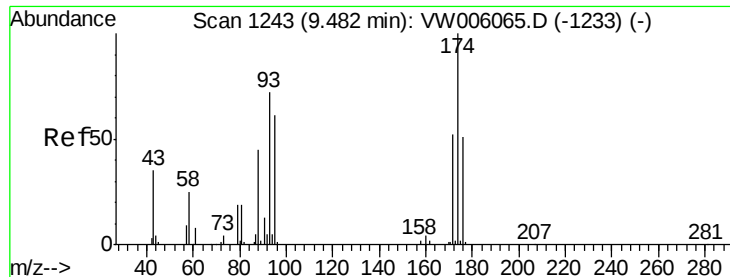
69 101.8 77.8 116.8

39 72.1 48.7 73.1



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

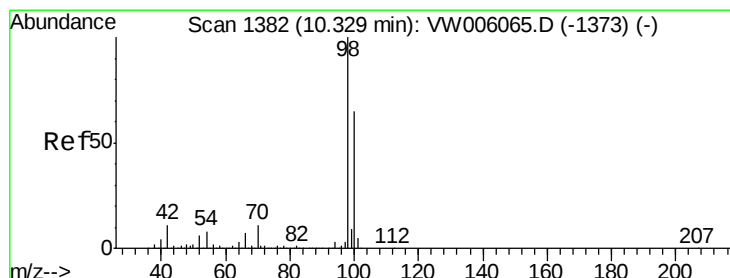
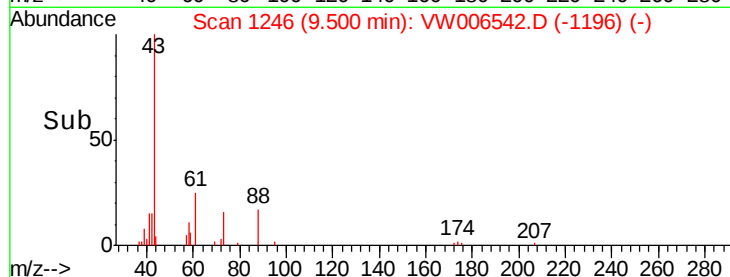
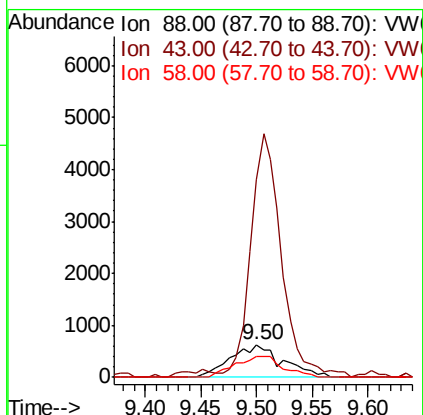
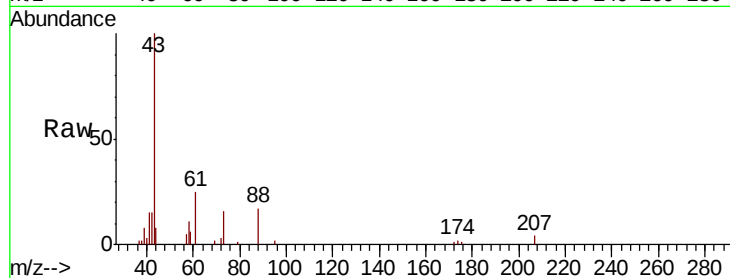




#49
 1,4-Dioxane
 Concen: 94.707 ug/l
 RT: 9.50 min Scan# 1246
 Delta R.T. 0.01 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

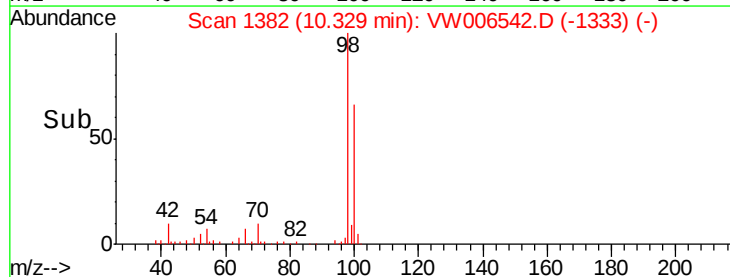
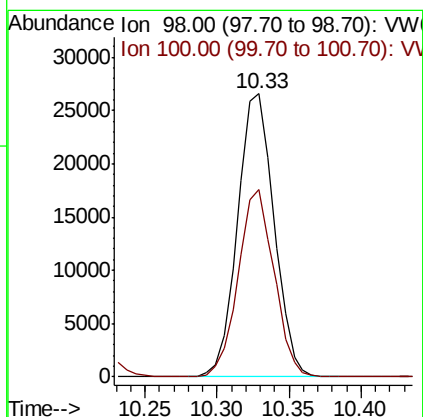
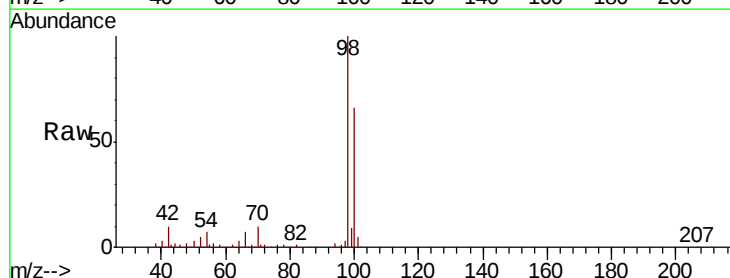
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

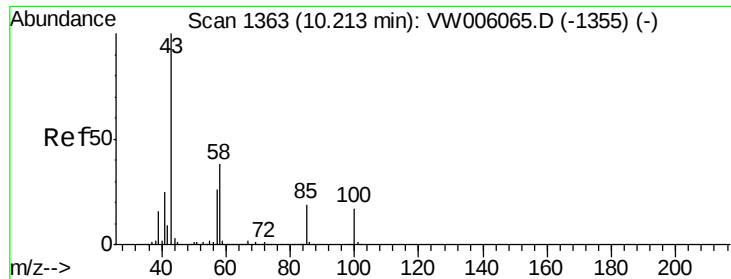
Tgt Ion: 88 Resp: 2027
 Ion Ratio Lower Upper
 88 100
 43 444.6 356.6 534.8
 58 60.8 51.4 77.2



#50
 Toluene-d8
 Concen: 5.051 ug/l
 RT: 10.33 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Tgt Ion: 98 Resp: 46797
 Ion Ratio Lower Upper
 98 100
 100 64.8 51.6 77.4

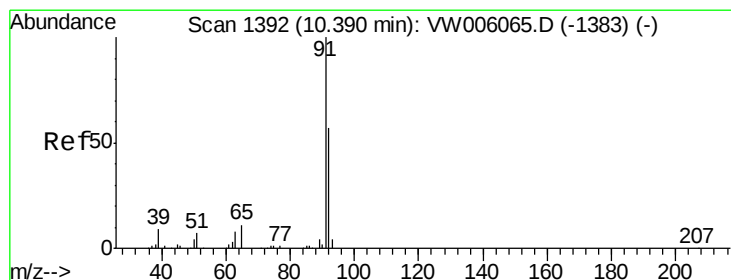
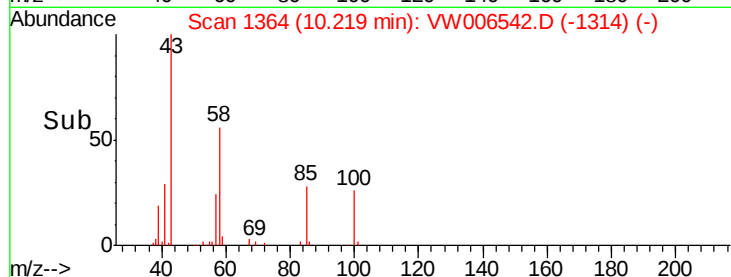
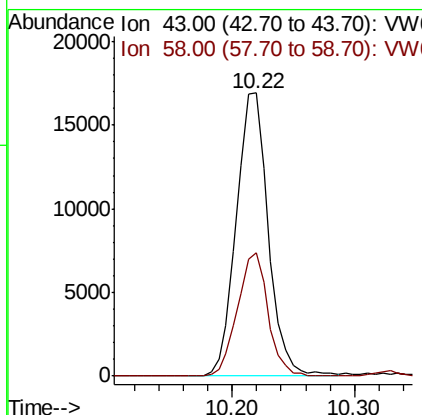
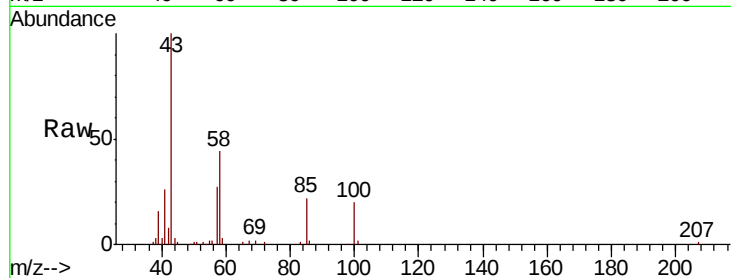




#51
 4-Methyl-2-Pentanone
 Concen: 21.844 ug/l
 RT: 10.22 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

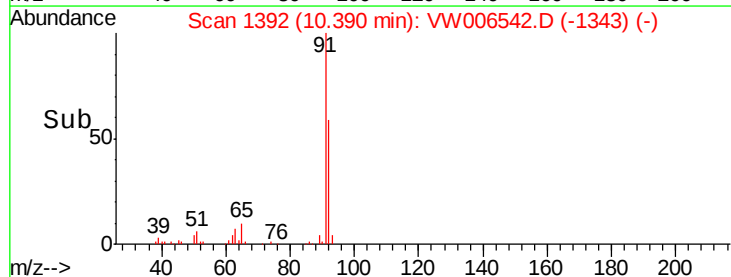
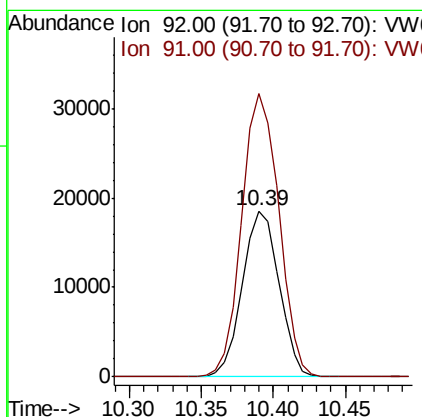
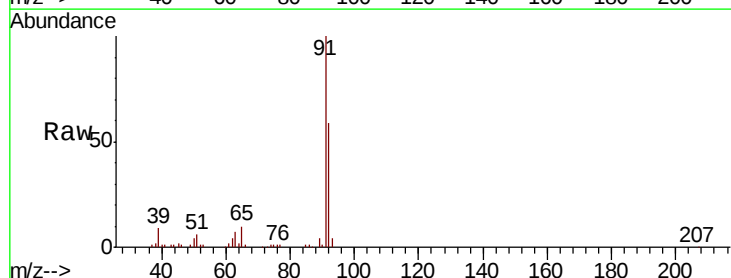
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

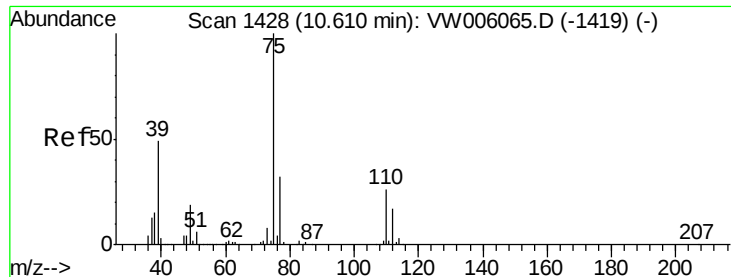
Tgt Ion: 43 Resp: 30698
 Ion Ratio Lower Upper
 43 100
 58 41.7 33.4 50.0



#52
 Toluene
 Concen: 4.759 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Tgt Ion: 92 Resp: 32773
 Ion Ratio Lower Upper
 92 100
 91 172.6 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 4.012 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

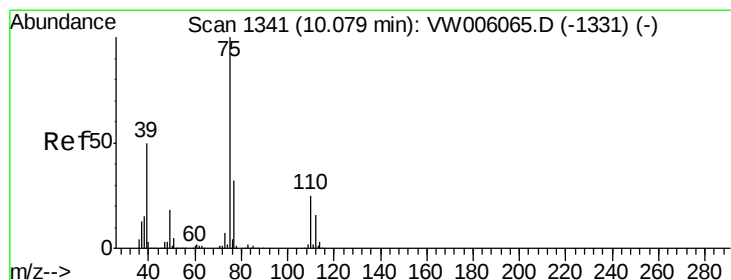
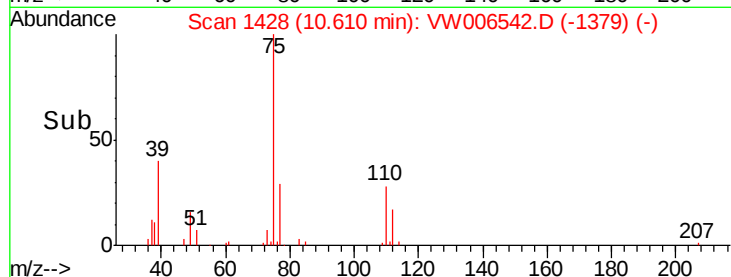
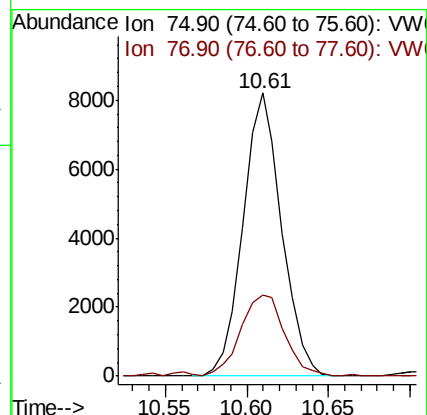
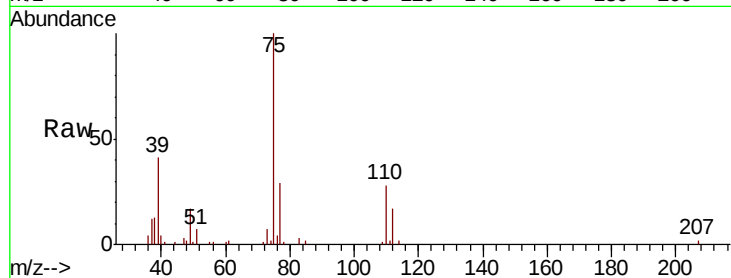
VSTDIC005

Tgt Ion: 75 Resp: 13465

Ion Ratio Lower Upper

75 100

77 28.6 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 4.310 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

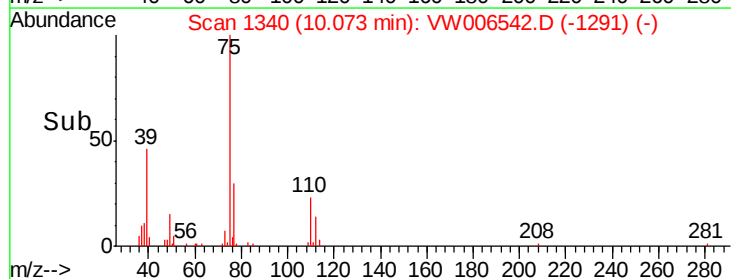
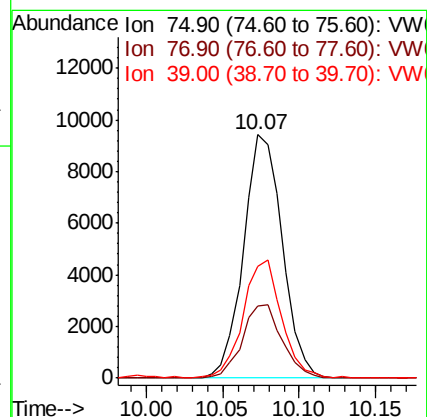
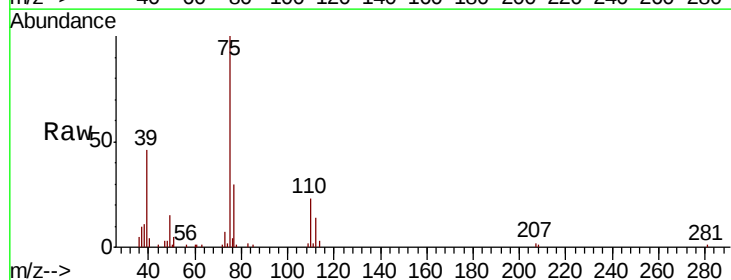
Tgt Ion: 75 Resp: 16638

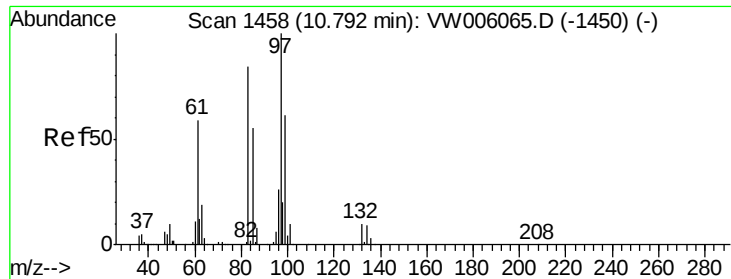
Ion Ratio Lower Upper

75 100

77 29.8 25.7 38.5

39 45.9 37.3 55.9

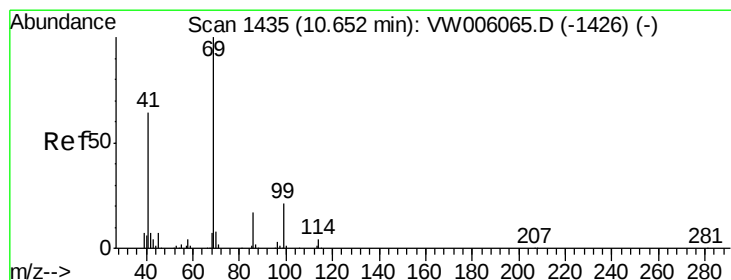
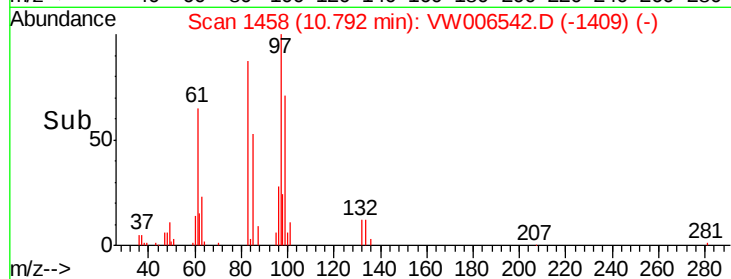
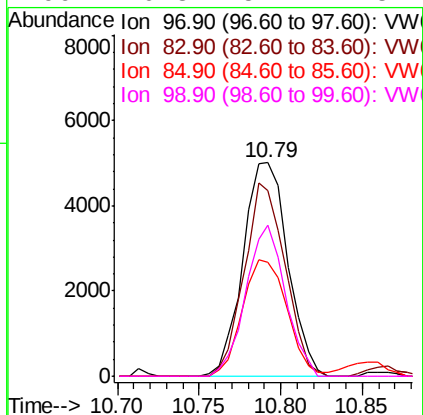
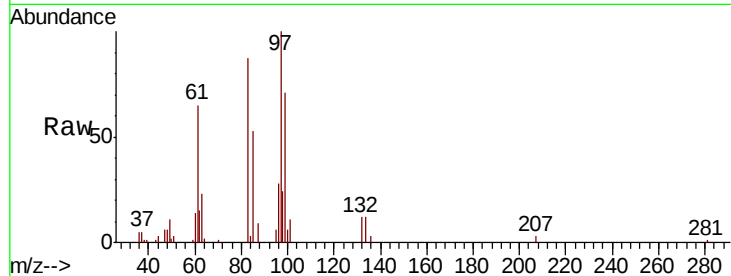




#55
 1,1,2-Trichloroethane
 Concen: 4.868 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

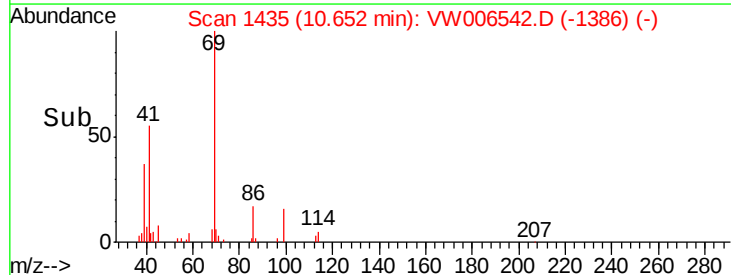
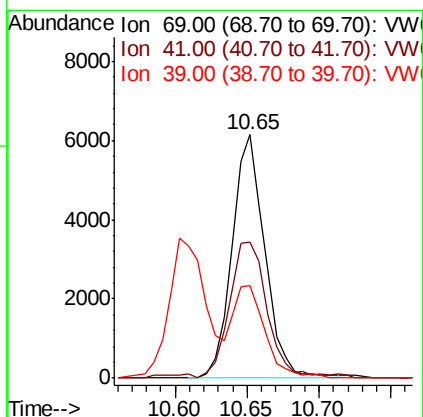
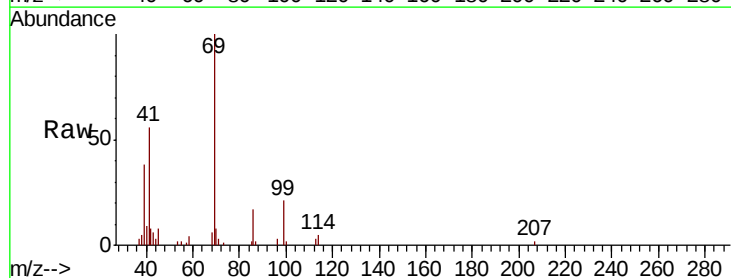
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

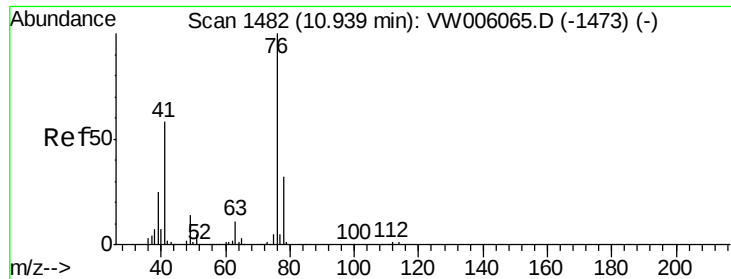
Tgt Ion:	97	Resp:	9557
Ion	Ratio	Lower	Upper
97	100		
83	87.0	67.9	101.9
85	53.3	44.0	66.0
99	70.8	52.2	78.2



#56
 Ethyl methacrylate
 Concen: 4.082 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Tgt Ion:	69	Resp:	9757
Ion	Ratio	Lower	Upper
69	100		
41	64.3	47.4	71.2
39	37.6	25.3	37.9

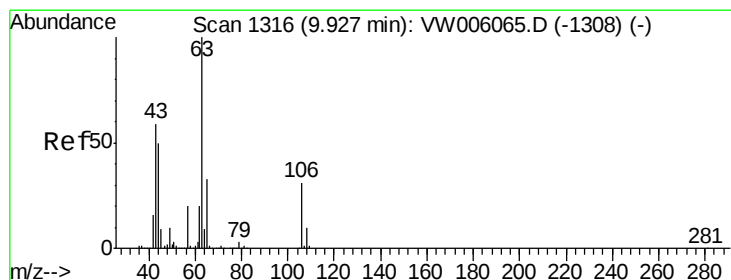
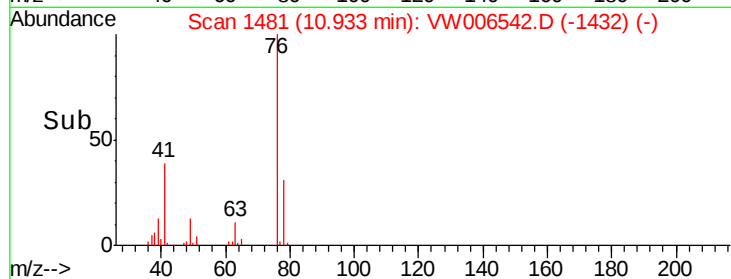
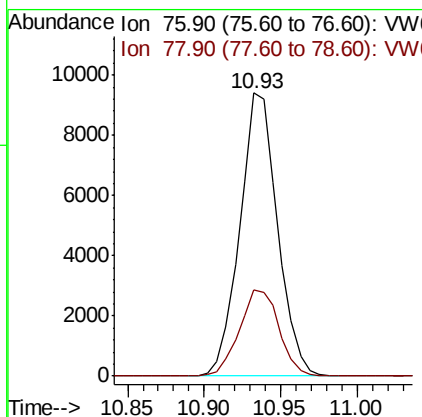
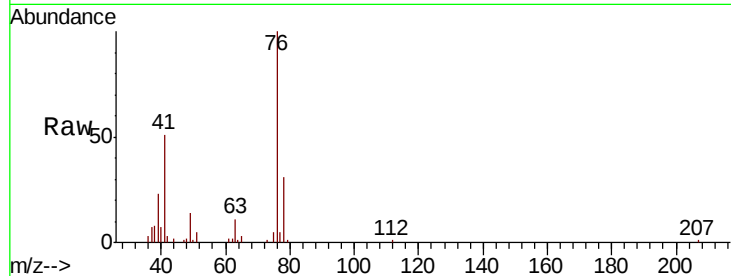




#57
 1,3-Dichloropropane
 Concen: 4.960 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

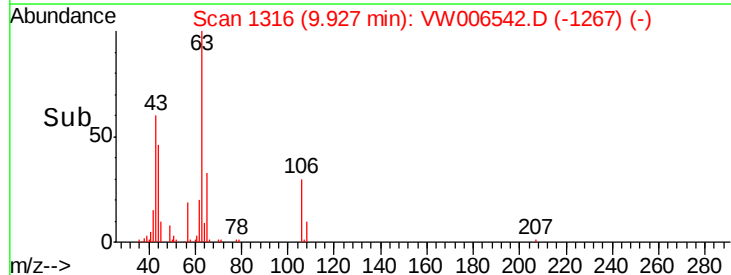
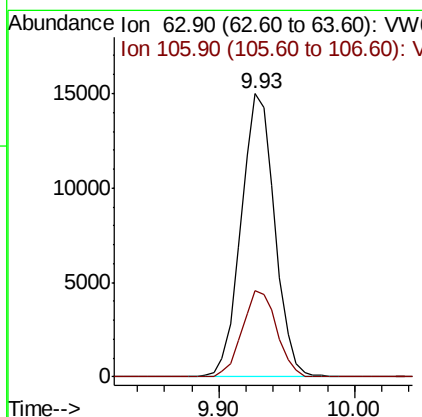
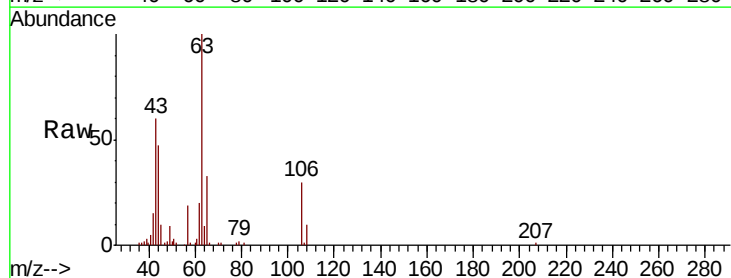
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

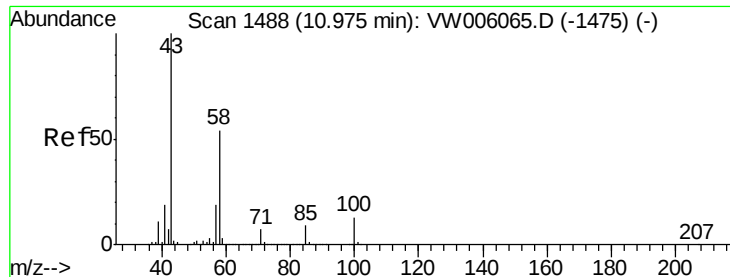
Tgt Ion: 76 Resp: 16070
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 27.175 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Tgt Ion: 63 Resp: 25809
 Ion Ratio Lower Upper
 63 100
 106 31.3 25.4 38.2

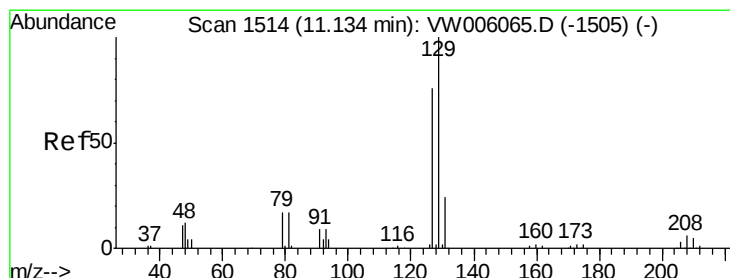
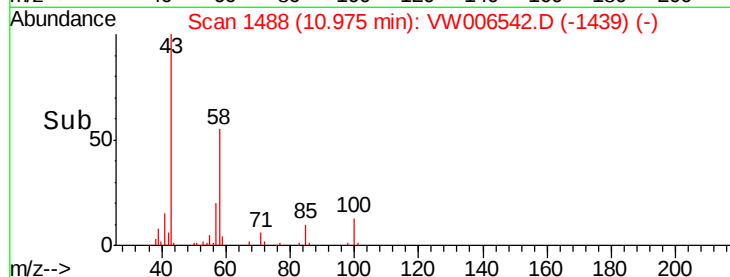
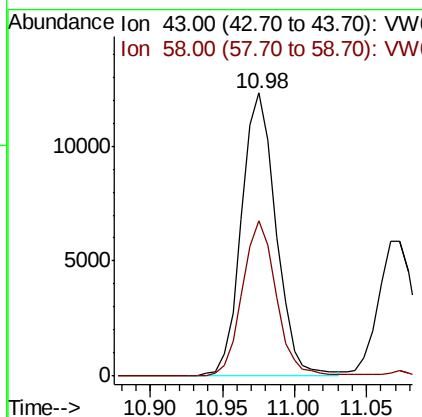
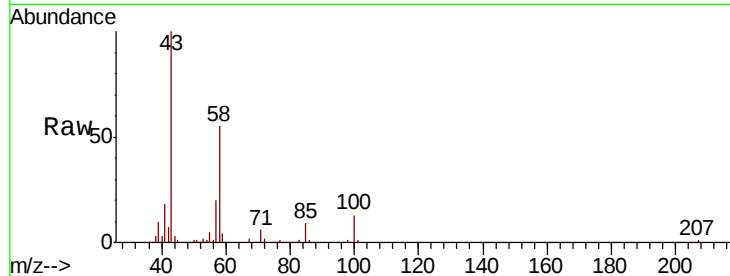




#59
2-Hexanone
Concen: 20.523 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

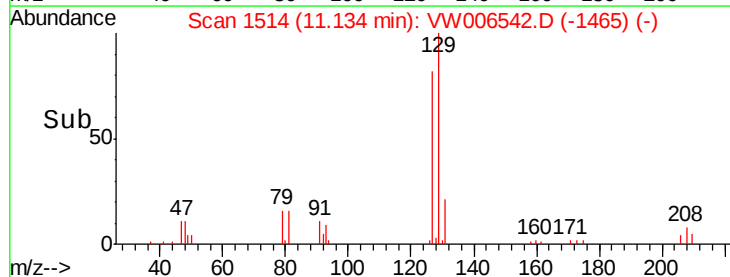
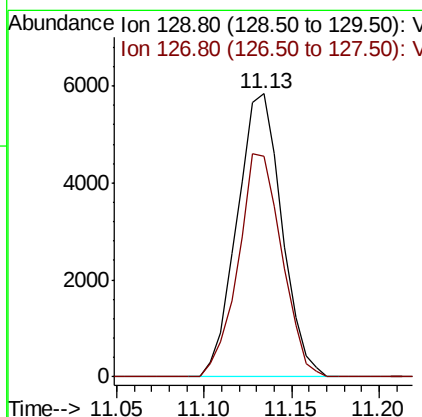
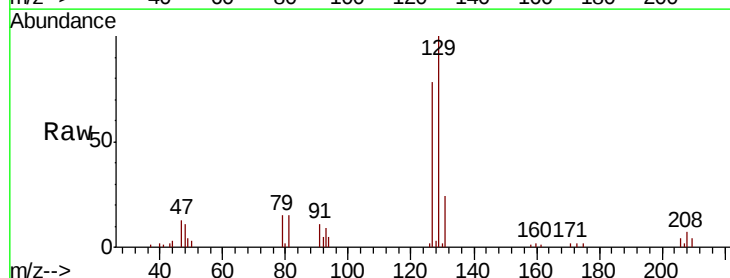
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

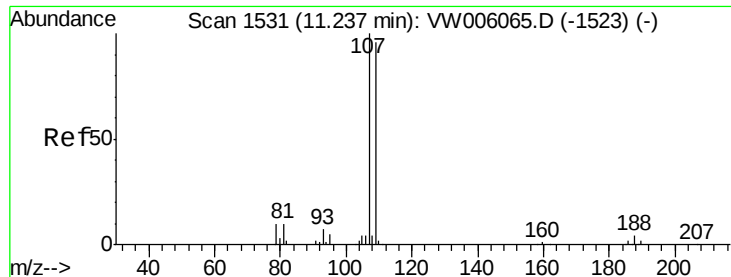
Tgt Ion: 43 Resp: 20506
Ion Ratio Lower Upper
43 100
58 53.8 28.8 86.4



#60
Dibromochloromethane
Concen: 4.269 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion: 129 Resp: 10390
Ion Ratio Lower Upper
129 100
127 76.8 38.8 116.3





#61

1,2-Dibromoethane

Concen: 4.769 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

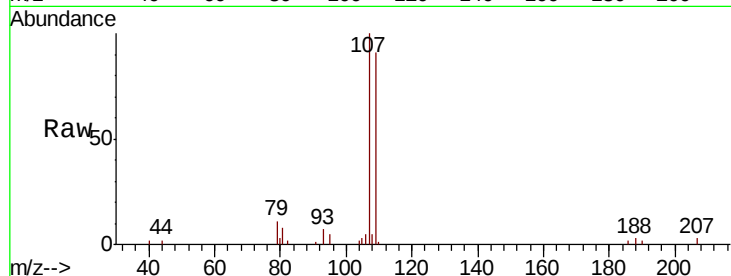
VSTDIC005

Tgt Ion: 107 Resp: 9349

Ion Ratio Lower Upper

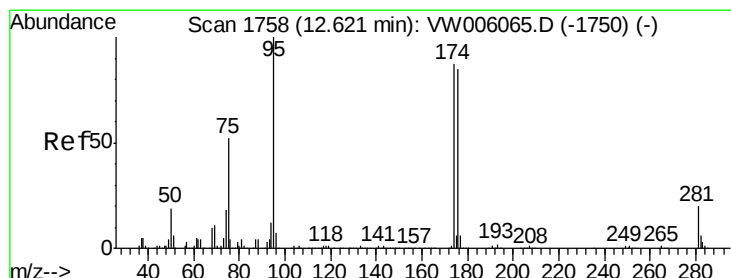
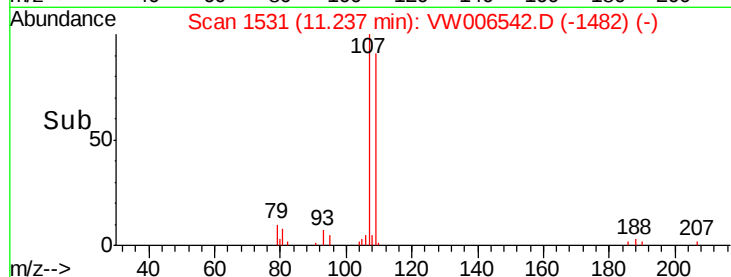
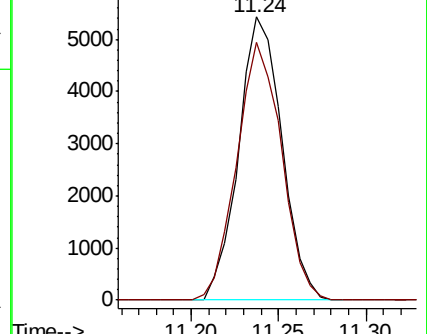
107 100

109 94.1 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.963 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

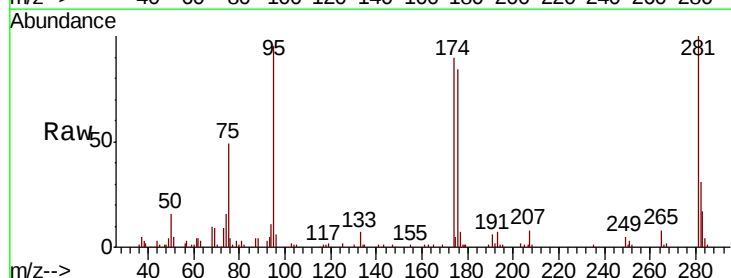
Tgt Ion: 95 Resp: 17155

Ion Ratio Lower Upper

95 100

174 99.6 0.0 192.4

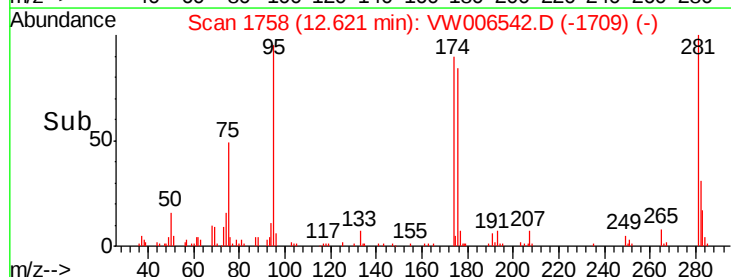
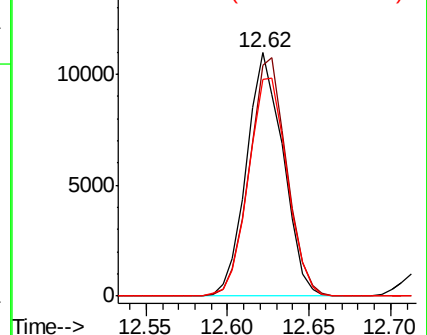
176 94.7 0.0 187.4

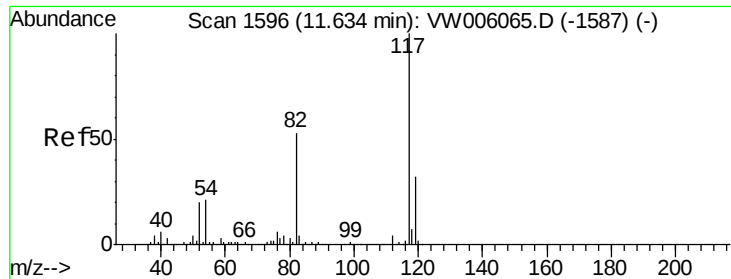


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

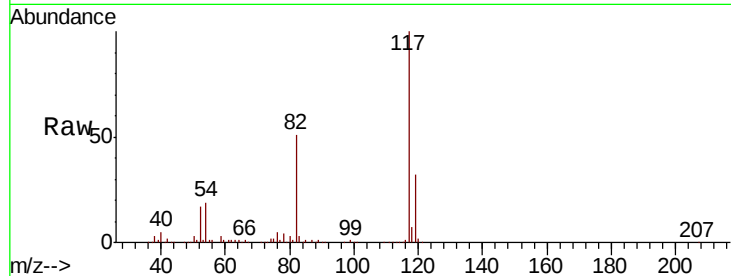




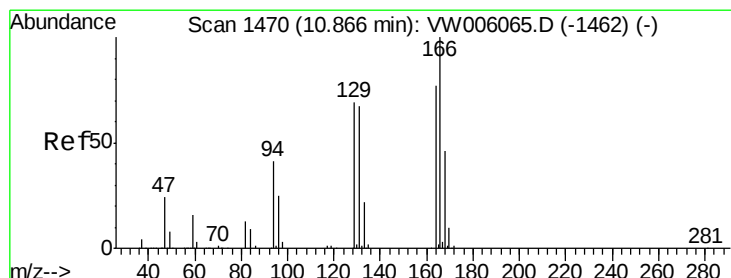
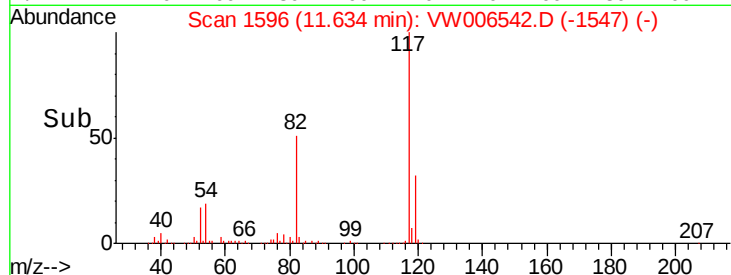
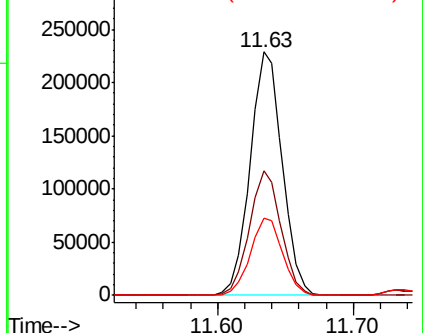
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 379267
Ion Ratio Lower Upper
117 100
82 51.3 40.8 61.2
119 31.6 26.1 39.1

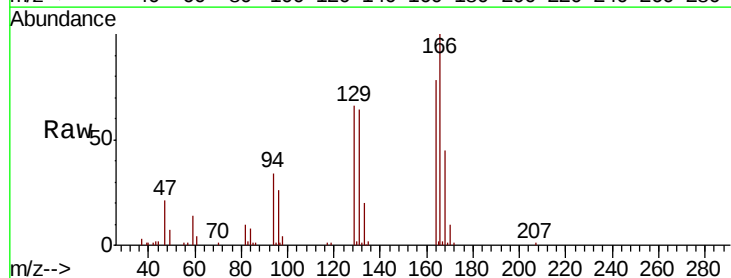


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

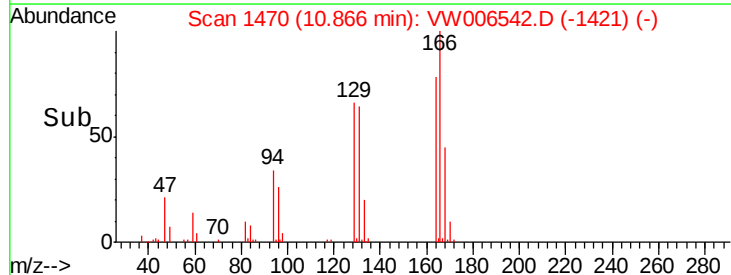
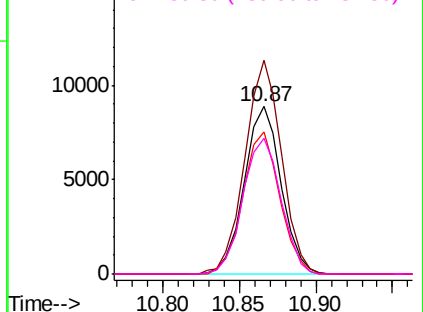


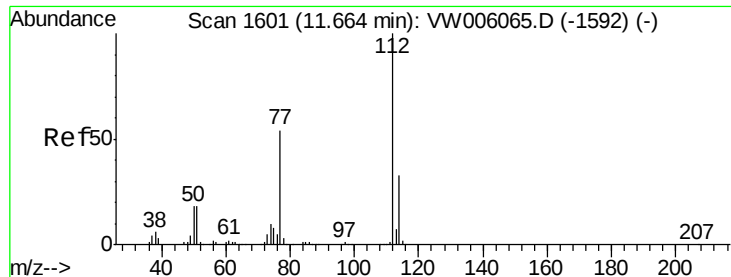
#64
Tetrachloroethene
Concen: 5.001 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion:164 Resp: 14839
Ion Ratio Lower Upper
164 100
166 127.6 102.8 154.2
129 84.6 70.9 106.3
131 81.3 67.0 100.6



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: 4.748 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

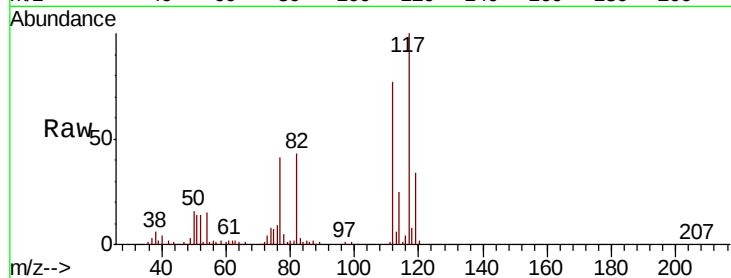
VSTDIC005

Tgt Ion:112 Resp: 38598

Ion Ratio Lower Upper

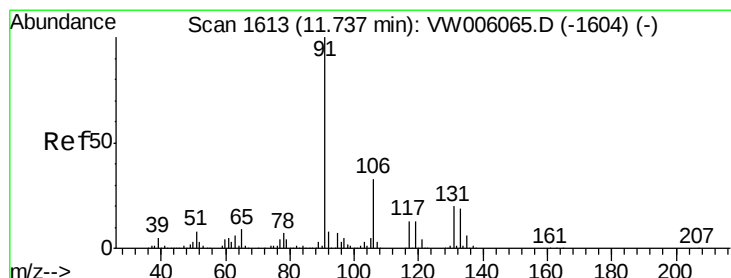
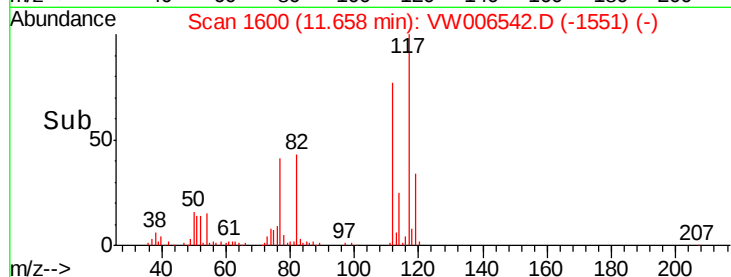
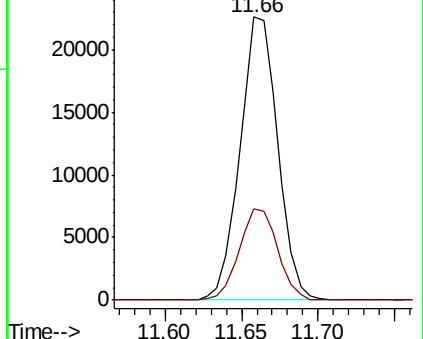
112 100

114 32.4 26.2 39.2



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: 4.512 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

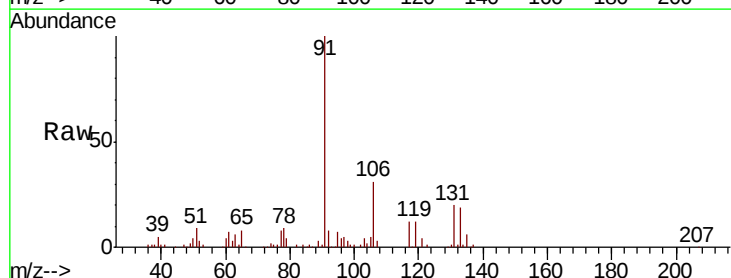
Tgt Ion:131 Resp: 12996

Ion Ratio Lower Upper

131 100

133 96.7 47.5 142.5

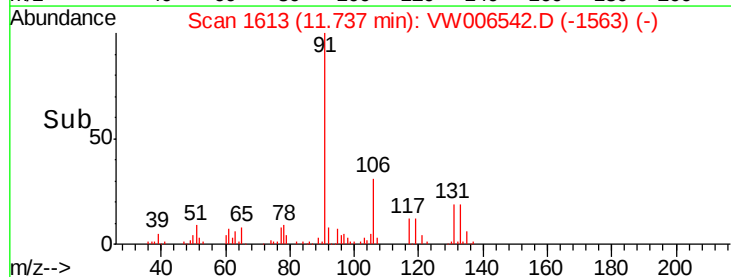
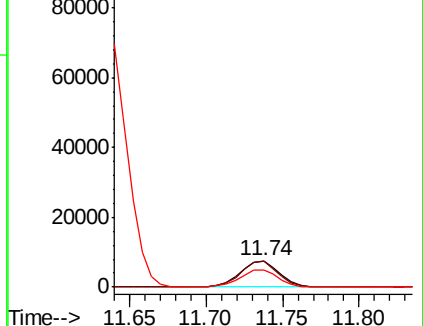
119 63.5 31.9 95.5

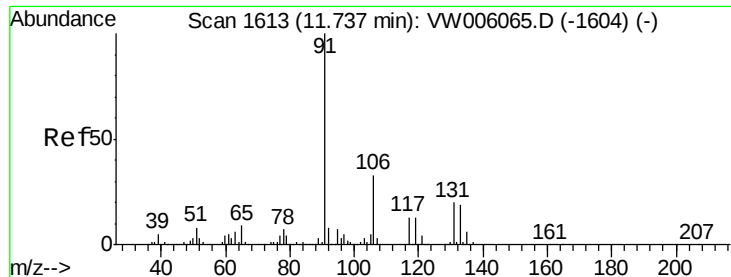


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

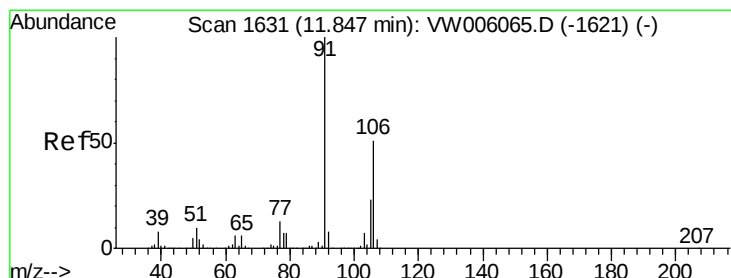
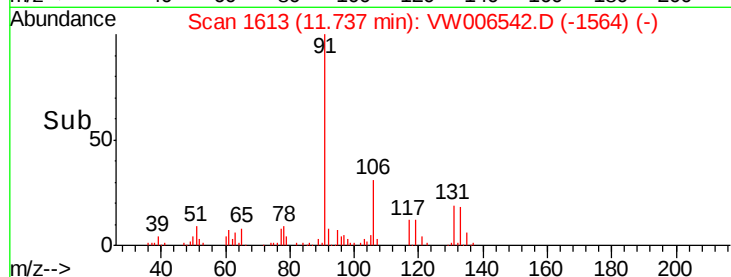
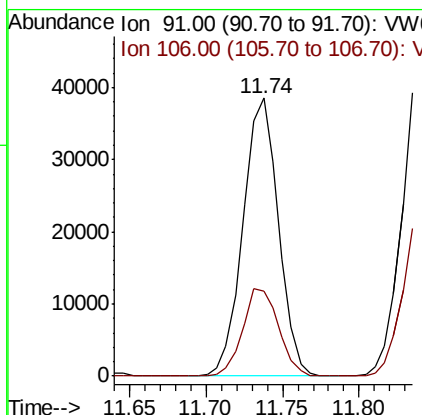
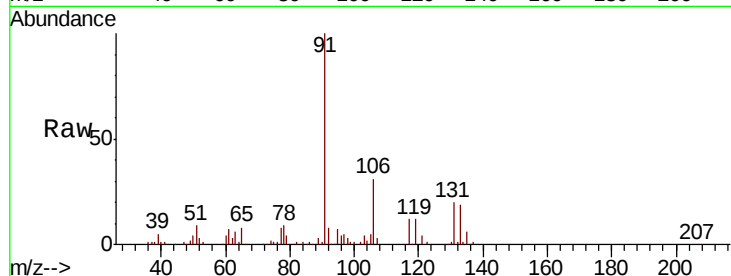




#67
Ethyl Benzene
Concen: 4.421 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

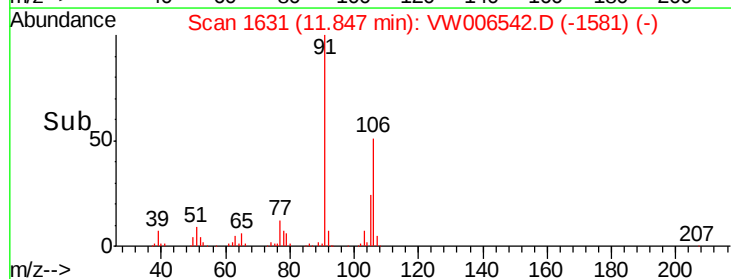
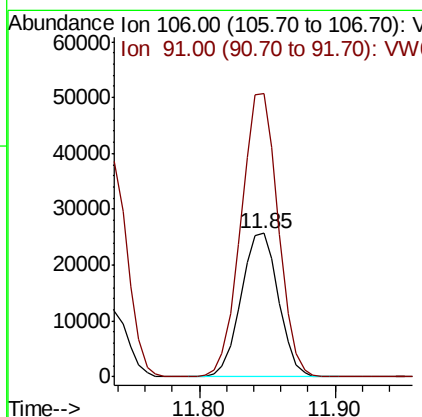
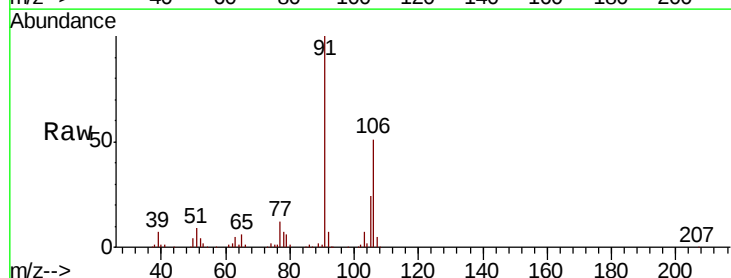
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

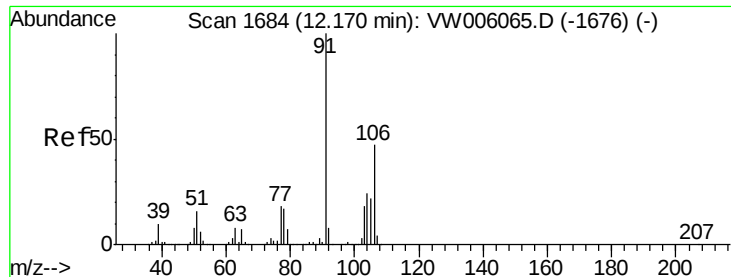
Tgt Ion: 91 Resp: 61940
Ion Ratio Lower Upper
91 100
106 30.6 26.3 39.5



#68
m/p-Xylenes
Concen: 8.930 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion: 106 Resp: 49545
Ion Ratio Lower Upper
106 100
91 196.1 156.7 235.1

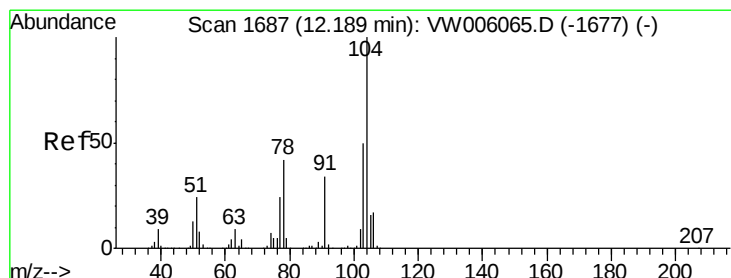
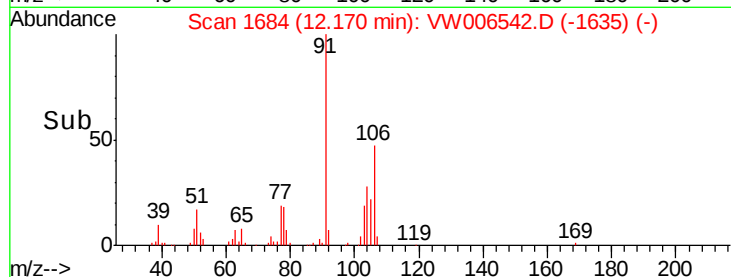
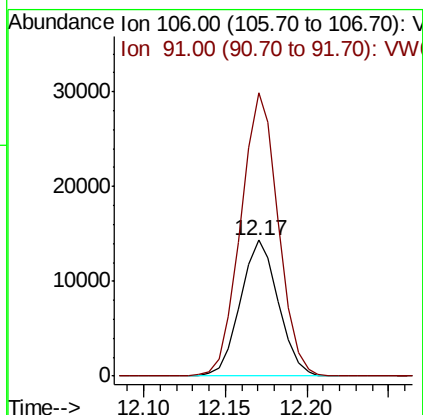
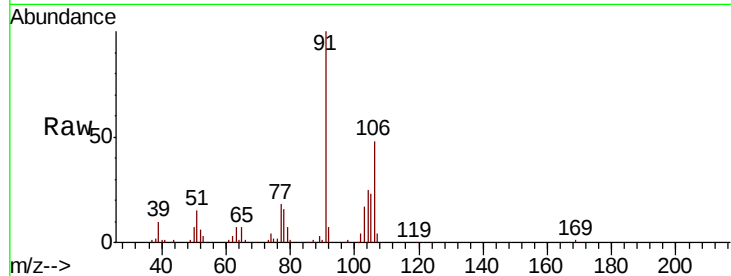




#69
o-Xylene
Concen: 4.379 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

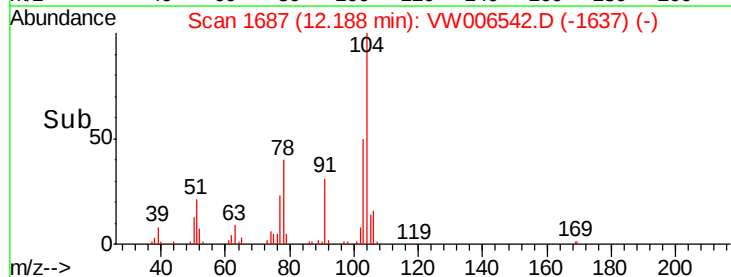
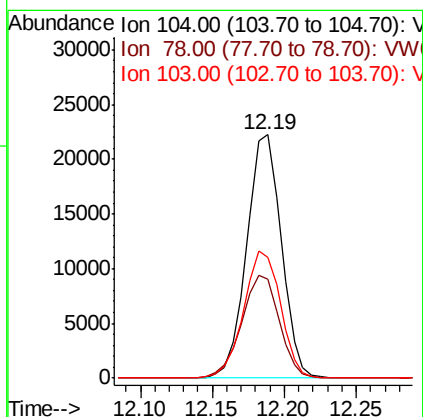
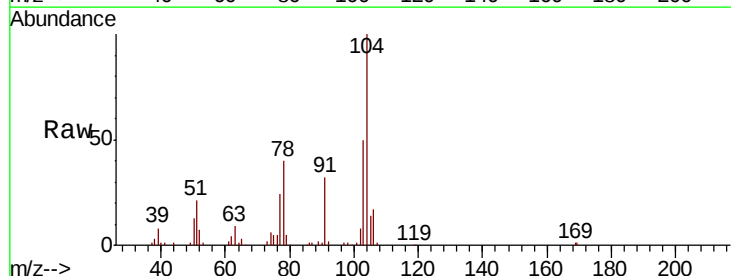
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

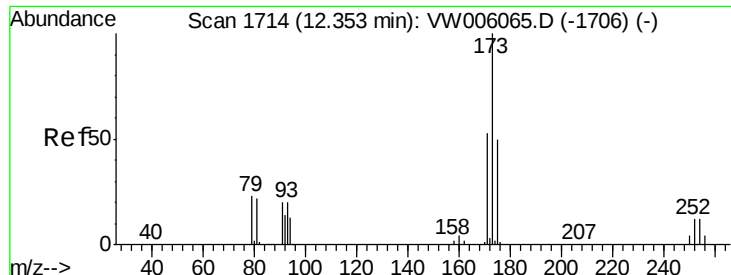
Tgt Ion:106 Resp: 23168
Ion Ratio Lower Upper
106 100
91 206.3 102.8 308.4



#70
Styrene
Concen: 4.286 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion:104 Resp: 36912
Ion Ratio Lower Upper
104 100
78 45.9 37.2 55.8
103 56.1 44.2 66.2





#71

Bromoform

Concen: 4.090 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

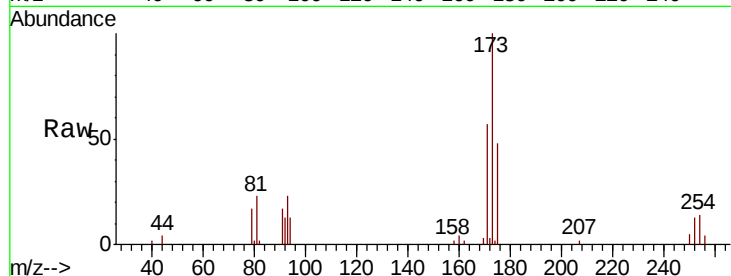
Tgt Ion:173 Resp: 6517

Ion Ratio Lower Upper

173 100

175 49.5 24.1 72.4

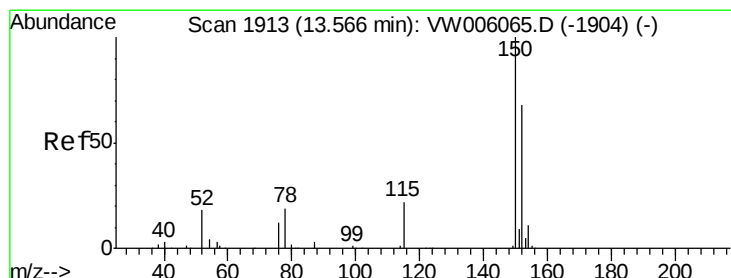
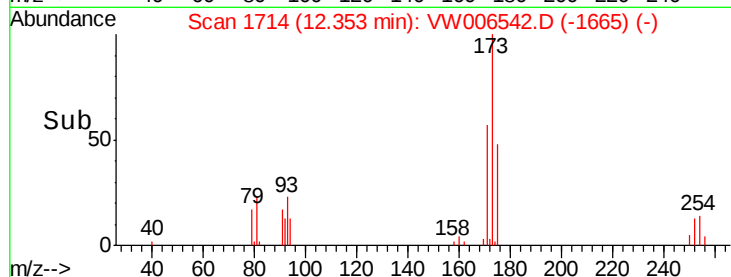
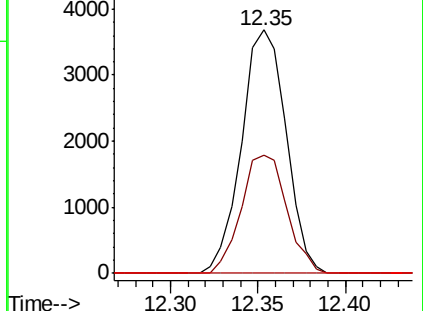
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

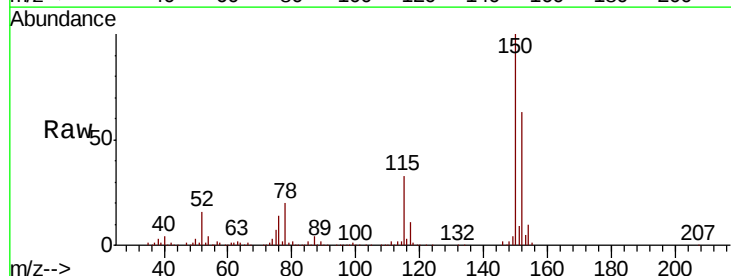
Tgt Ion:152 Resp: 208085

Ion Ratio Lower Upper

152 100

115 54.2 26.6 79.8

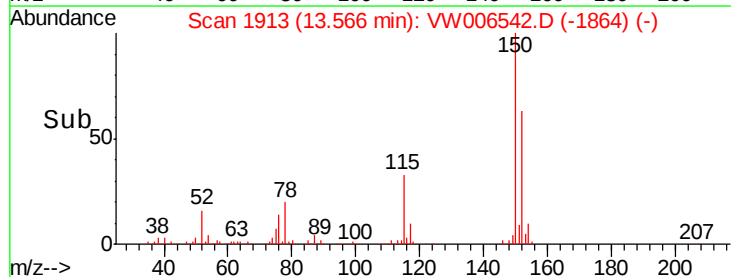
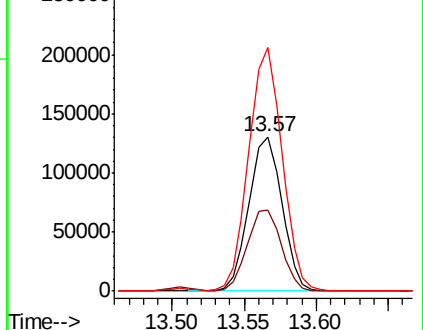
150 158.7 0.0 344.6

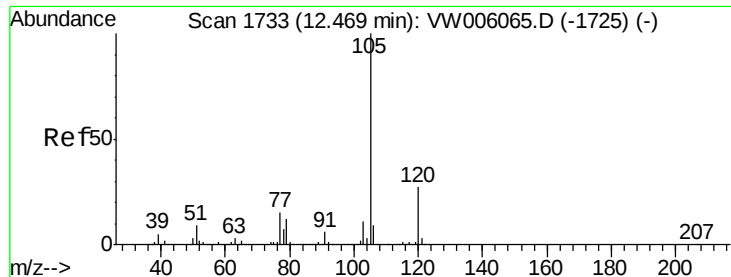


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

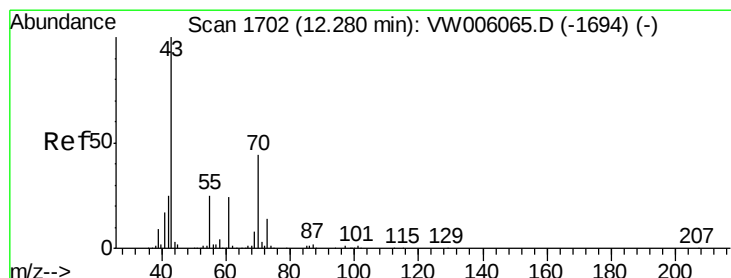
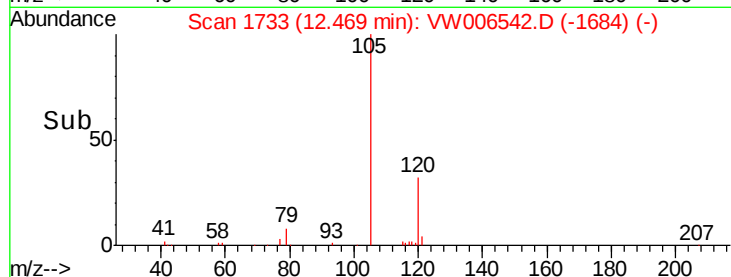
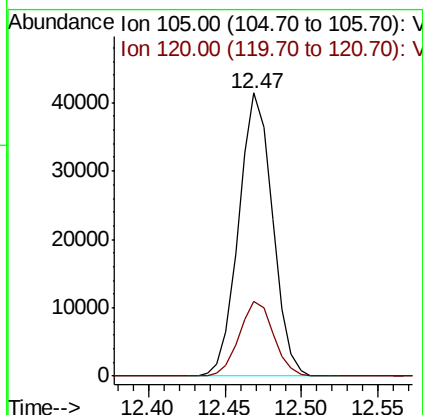
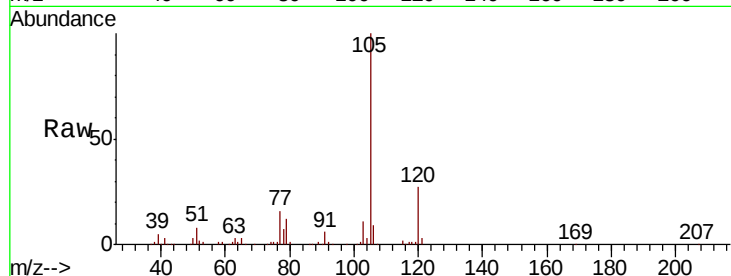




#73
Isopropylbenzene
Concen: 4.367 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

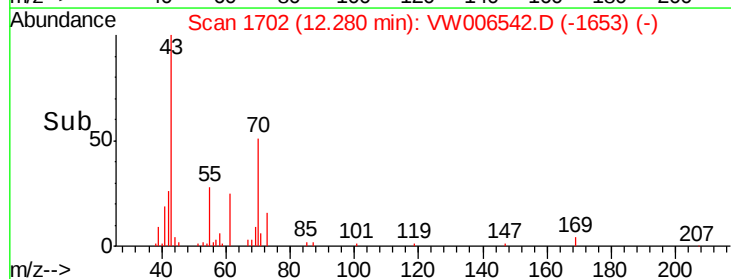
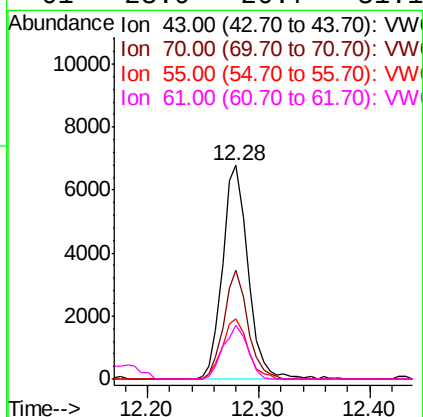
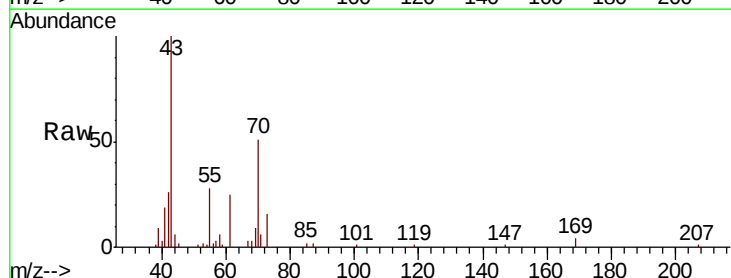
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

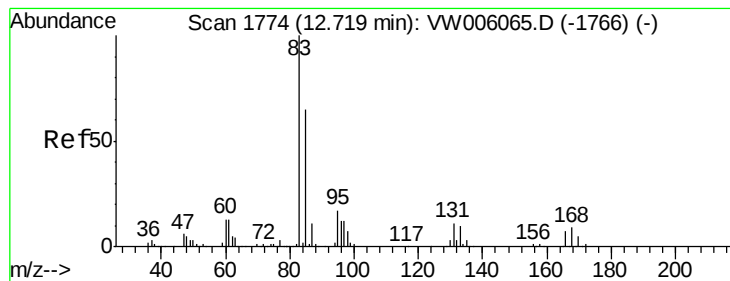
Tgt Ion: 105 Resp: 63719
Ion Ratio Lower Upper
105 100
120 26.8 13.7 41.1



#74
N-ethyl acetate
Concen: 3.881 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion: 43 Resp: 10808
Ion Ratio Lower Upper
43 100
70 47.6 36.9 55.3
55 27.8 20.7 31.1
61 23.9 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 4.733 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

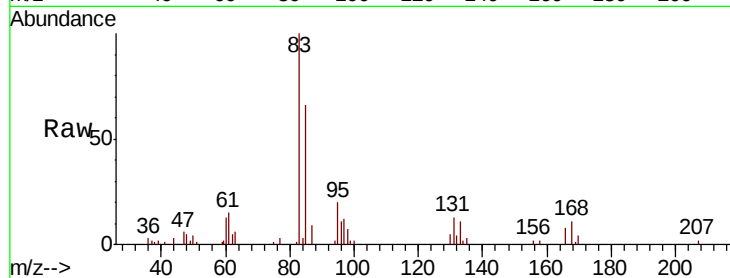
Tgt Ion: 83 Resp: 10506

Ion Ratio Lower Upper

83 100

131 12.6 5.9 17.7

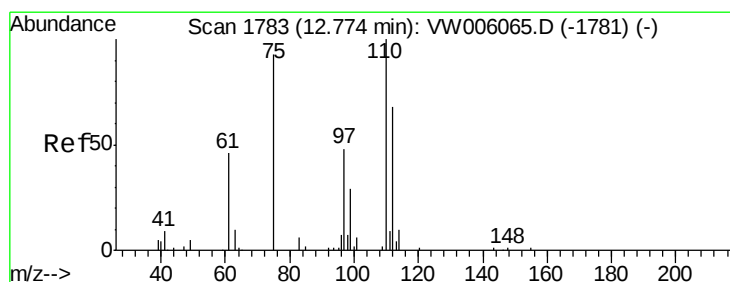
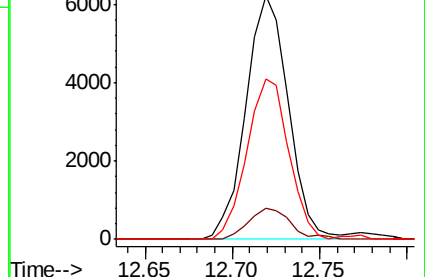
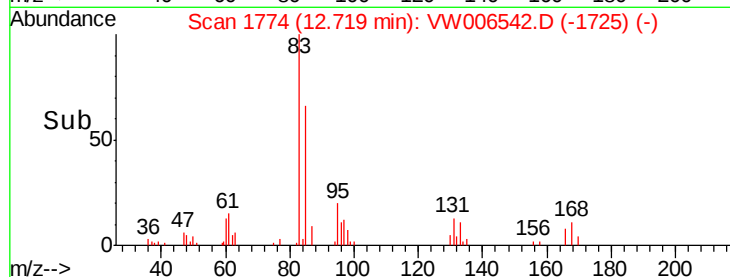
85 64.6 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 8.049 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006542.D

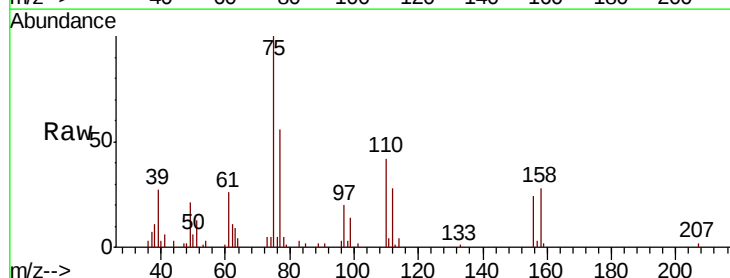
Acq: 31 Oct 2018 23:29

Tgt Ion: 75 Resp: 12961

Ion Ratio Lower Upper

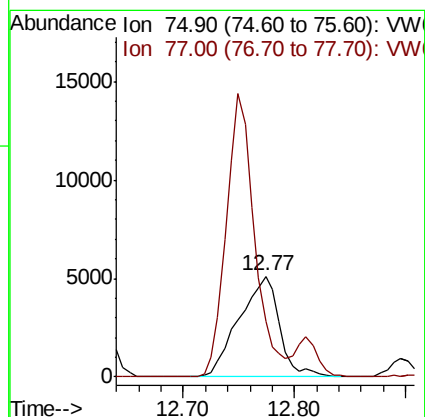
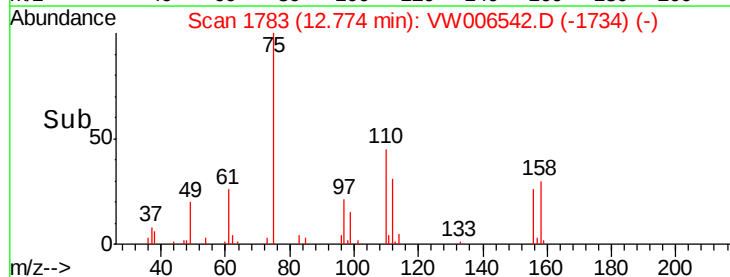
75 100

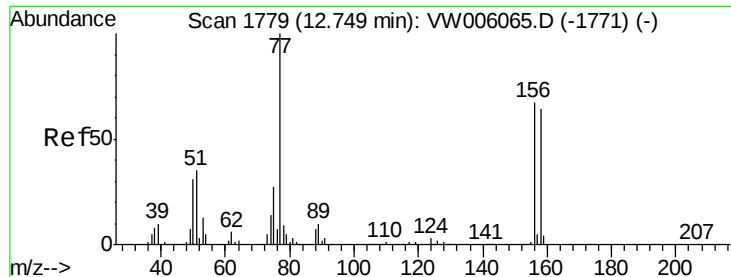
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 4.817 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

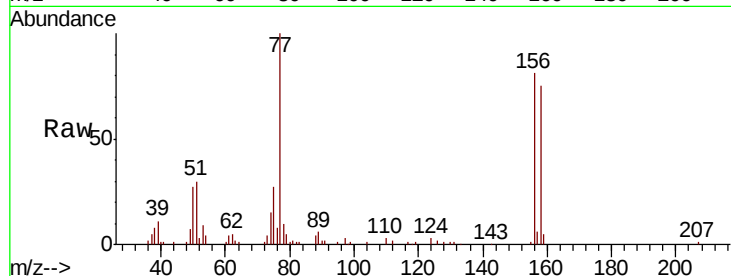
Tgt Ion:156 Resp: 17324

Ion Ratio Lower Upper

156 100

77 146.8 75.9 227.8

158 96.2 48.6 145.9

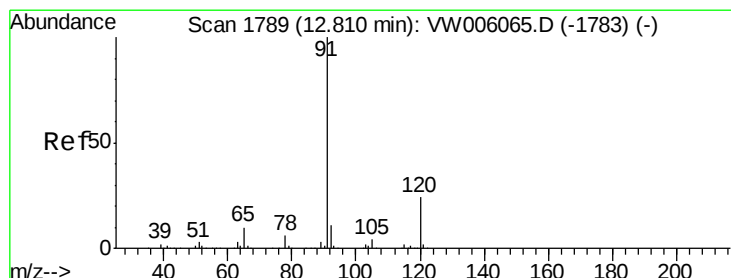
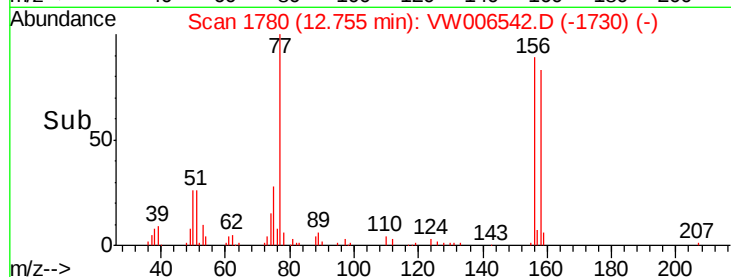
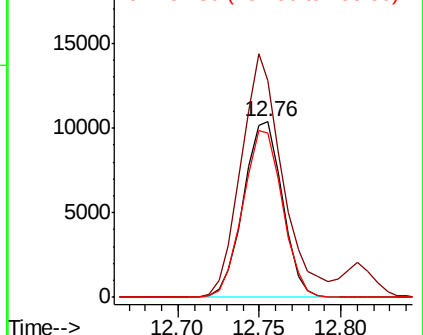


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.292 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006542.D

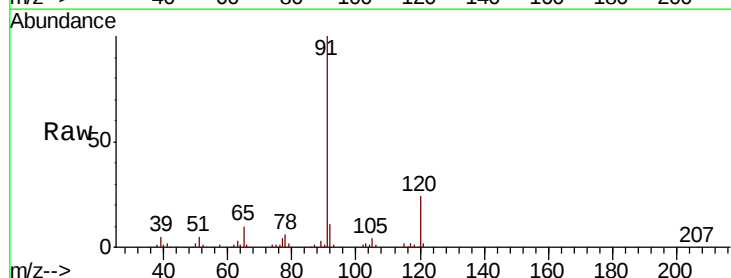
Acq: 31 Oct 2018 23:29

Tgt Ion: 91 Resp: 72651

Ion Ratio Lower Upper

91 100

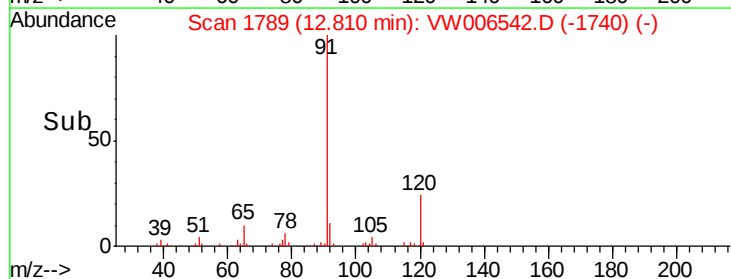
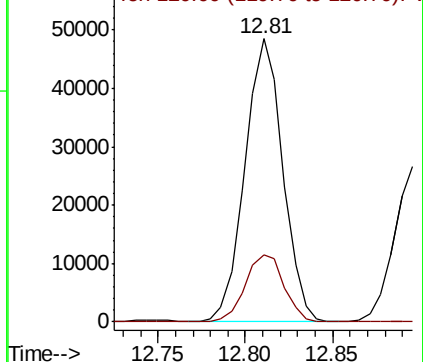
120 24.5 12.4 37.0

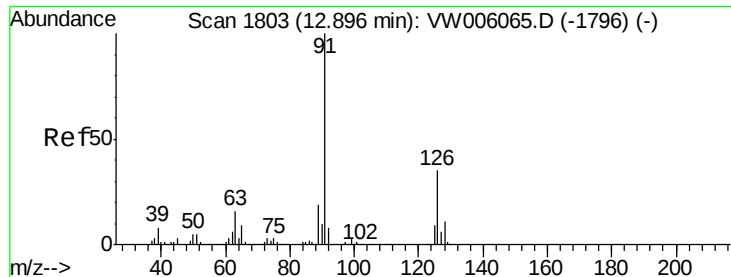


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

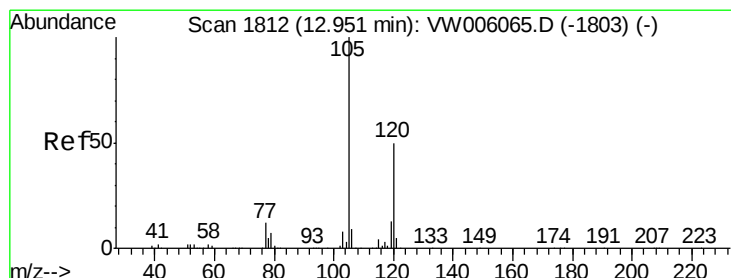
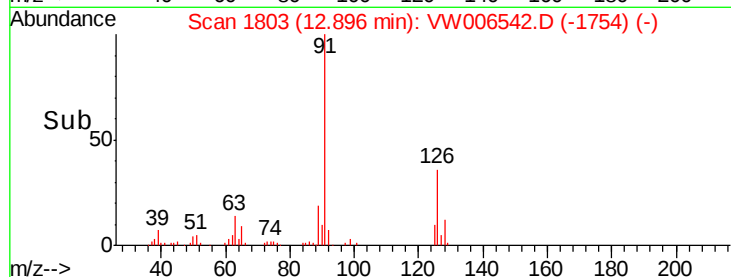
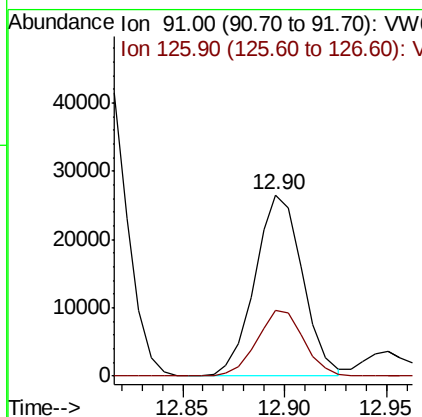
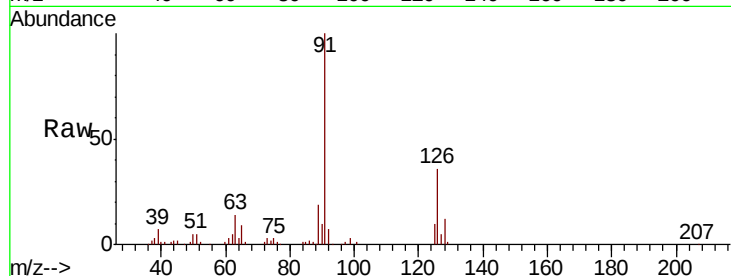




#79
 2-Chlorotoluene
 Concen: 4.515 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

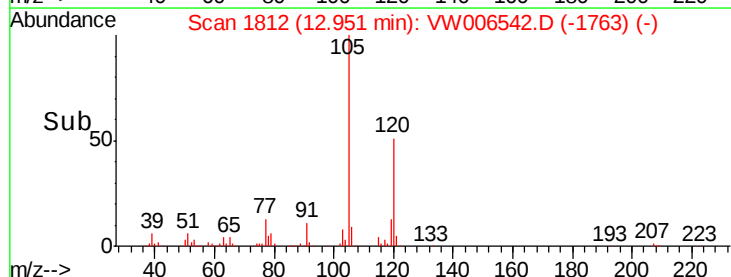
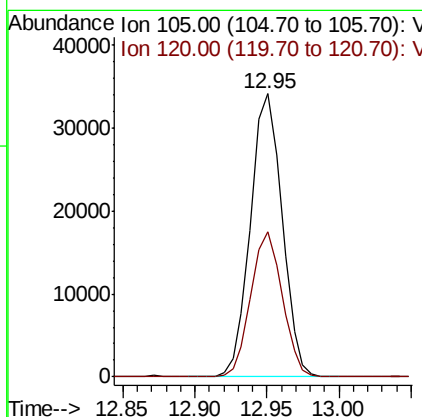
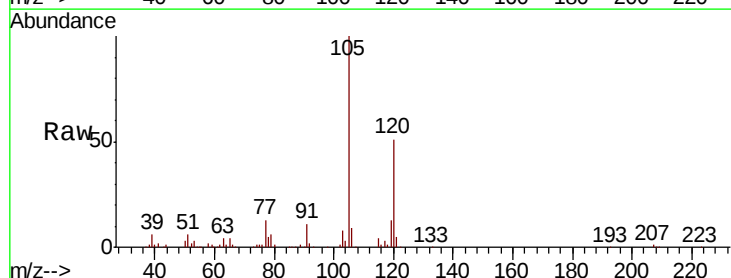
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

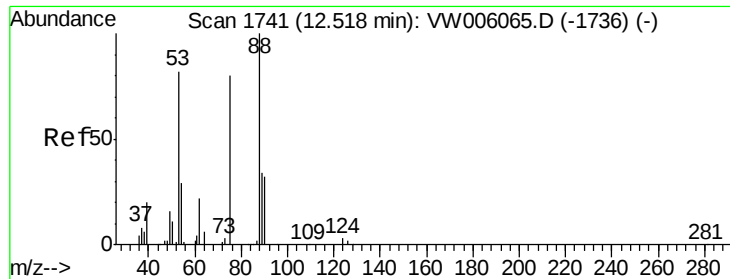
Tgt Ion: 91 Resp: 42971
 Ion Ratio Lower Upper
 91 100
 126 36.2 18.5 55.5



#80
 1,3,5-Trimethylbenzene
 Concen: 4.236 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Tgt Ion: 105 Resp: 52028
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 3.188 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

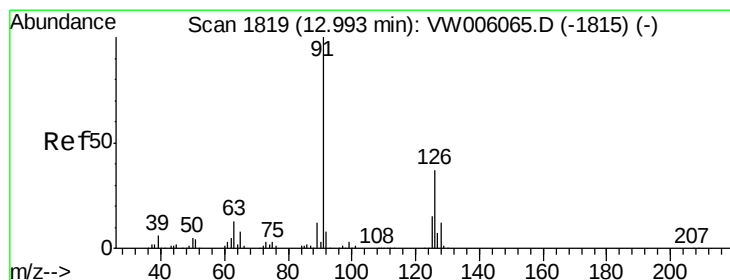
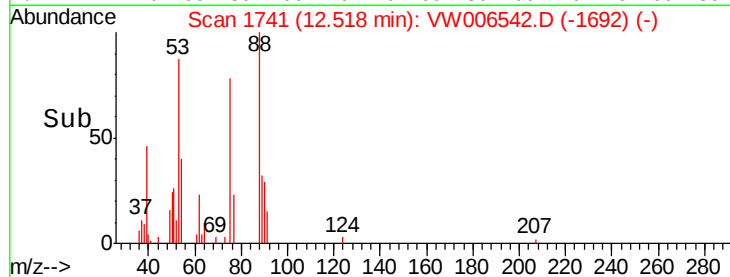
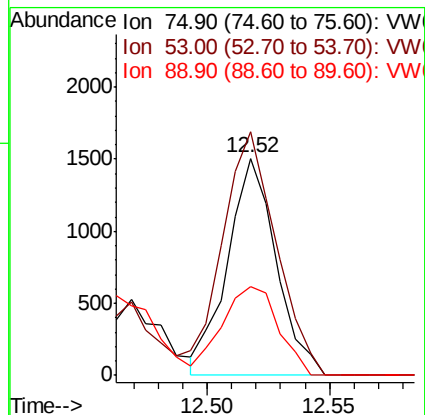
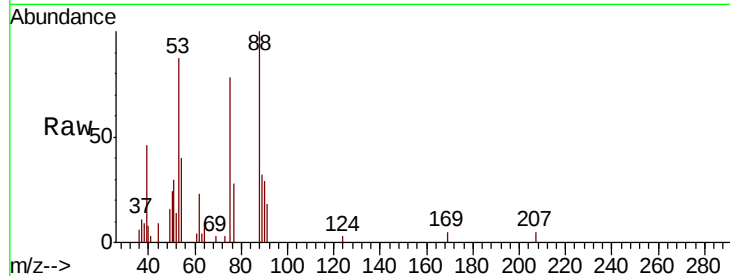
Tgt Ion: 75 Resp: 2078

Ion Ratio Lower Upper

75 100

53 125.4 77.2 115.8#

89 47.2 38.6 58.0



#82

4-Chlorotoluene

Concen: 4.505 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006542.D

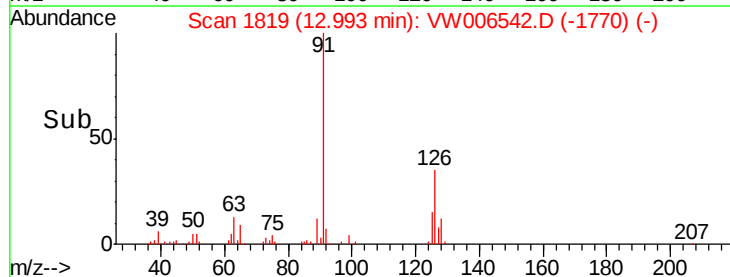
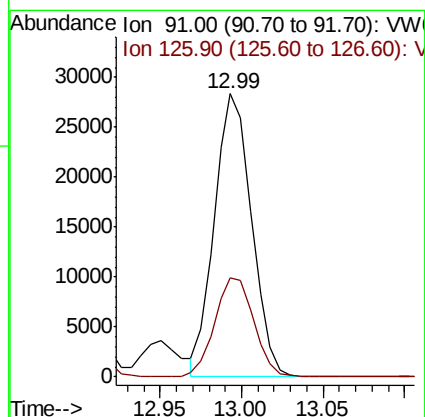
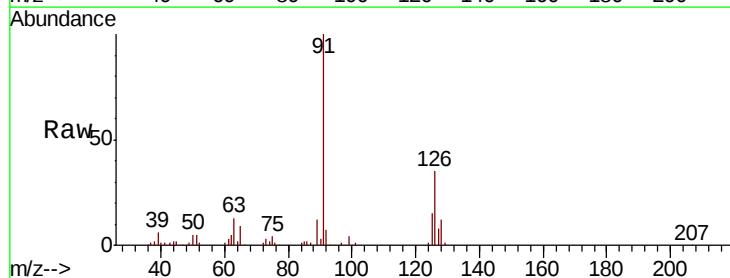
Acq: 31 Oct 2018 23:29

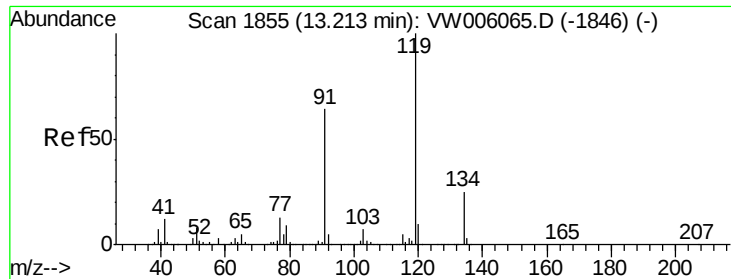
Tgt Ion: 91 Resp: 45093

Ion Ratio Lower Upper

91 100

126 36.8 18.5 55.5

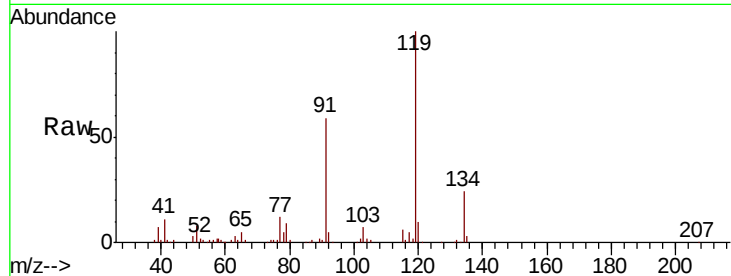




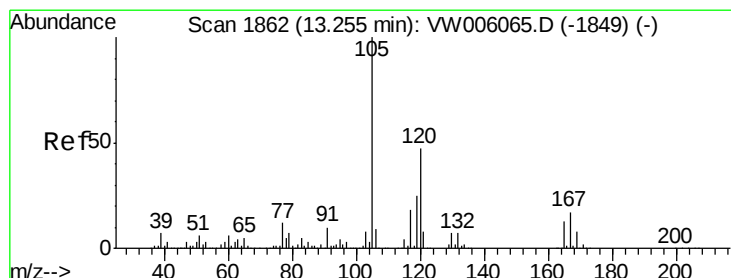
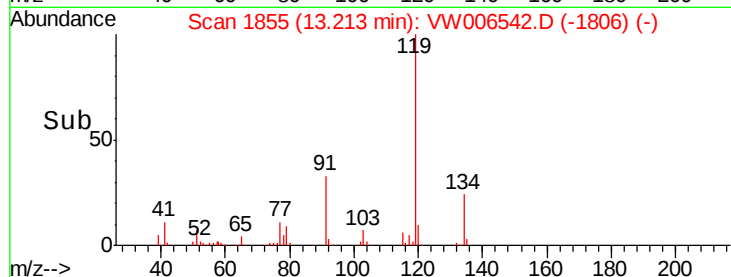
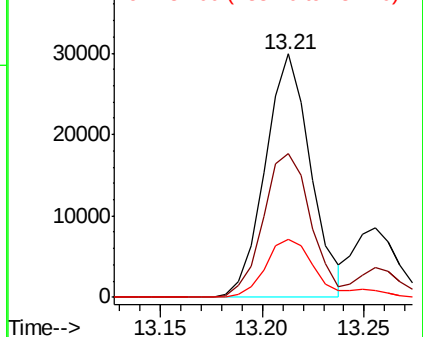
#83
tert-Butylbenzene
Concen: 4.241 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:119 Resp: 46627
Ion Ratio Lower Upper
119 100
91 62.7 30.4 91.3
134 25.2 13.5 40.4

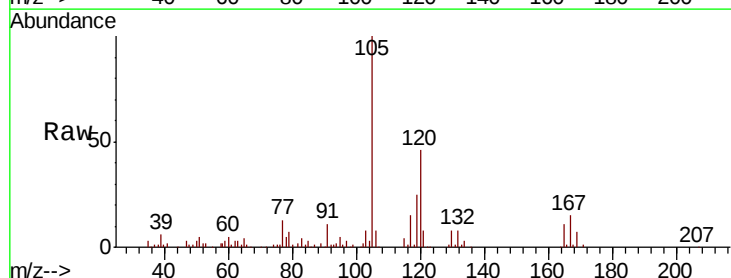


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

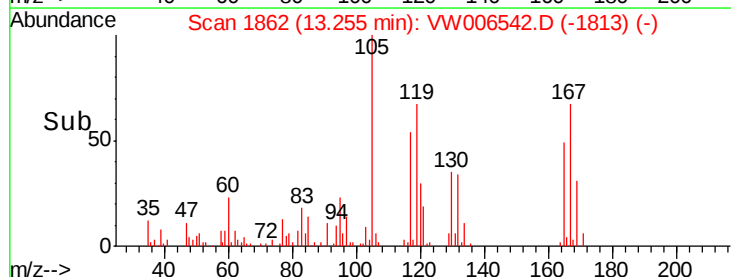
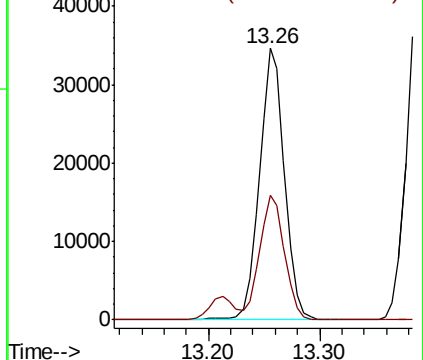


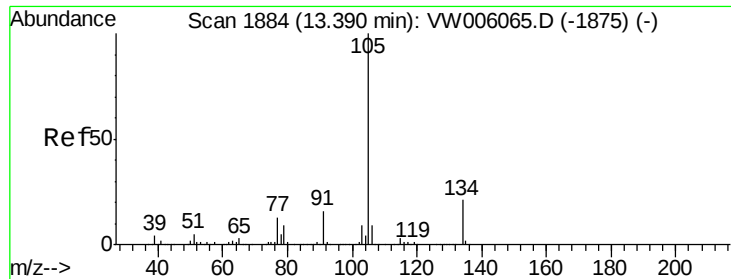
#84
1,2,4-Trimethylbenzene
Concen: 4.339 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion:105 Resp: 54099
Ion Ratio Lower Upper
105 100
120 45.5 23.2 69.6



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

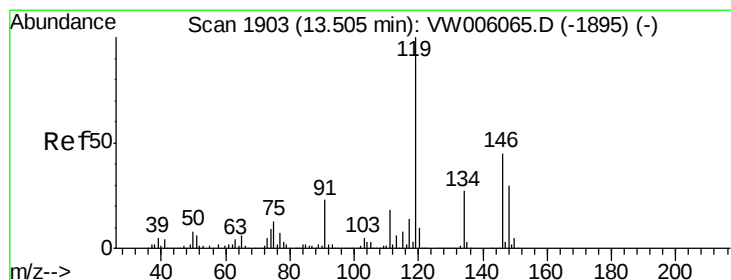
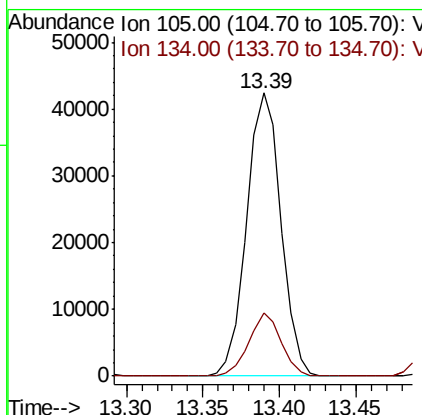
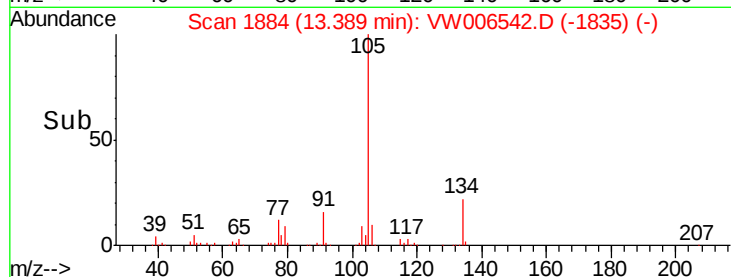
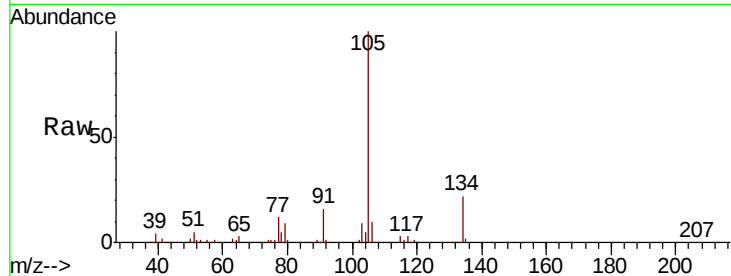




#85
 sec-Butylbenzene
 Concen: 4.265 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

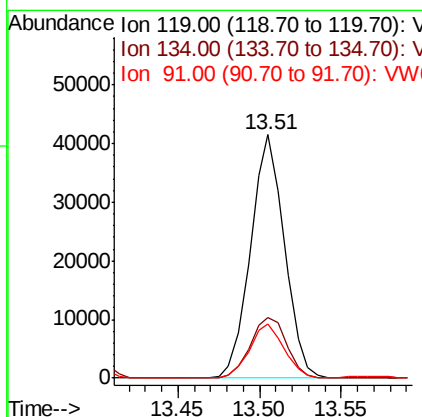
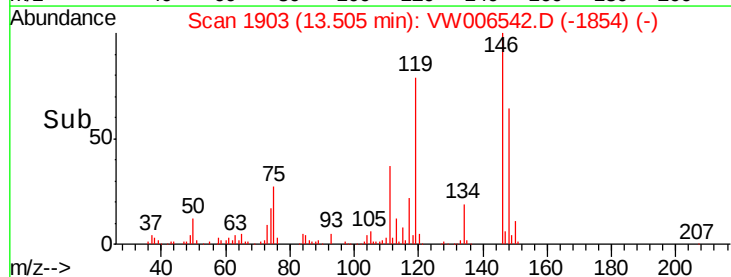
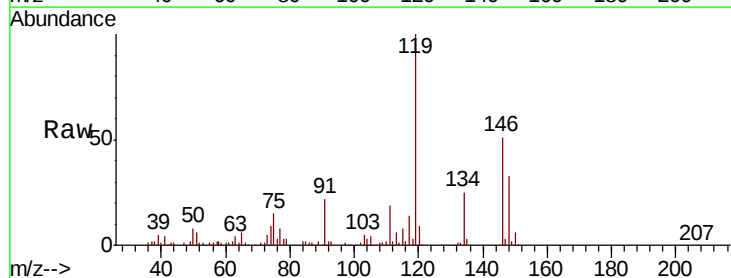
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

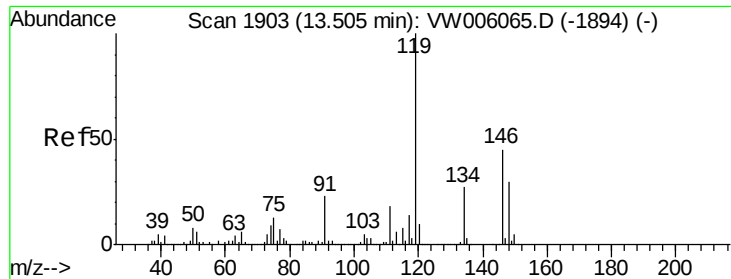
Tgt Ion:105 Resp: 66050
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 4.284 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Tgt Ion:119 Resp: 60061
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.6 40.7
 91 22.5 10.9 32.6





#87

1,3-Dichlorobenzene

Concen: 4.709 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

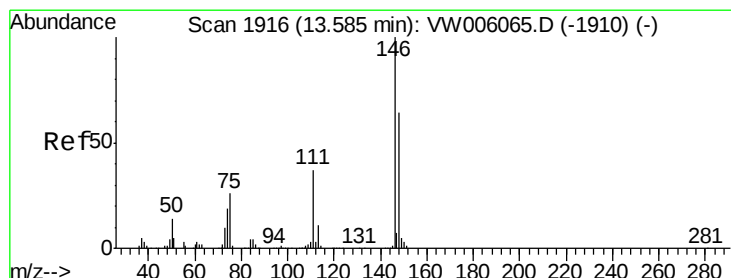
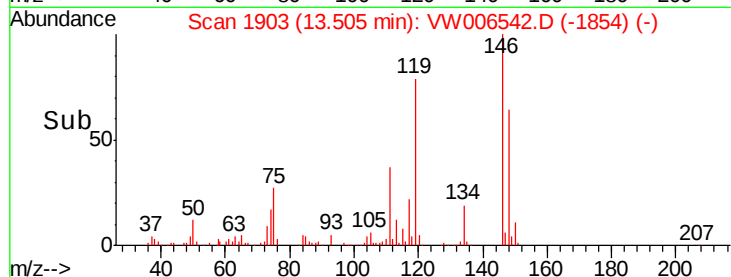
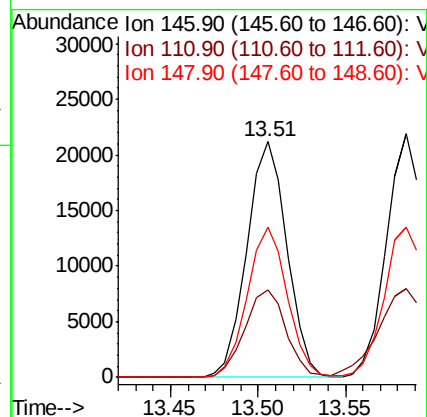
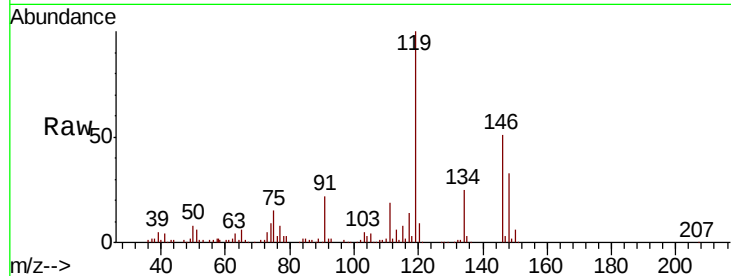
Tgt Ion:146 Resp: 33701

Ion Ratio Lower Upper

146 100

111 38.8 18.6 55.6

148 63.7 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 4.771 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

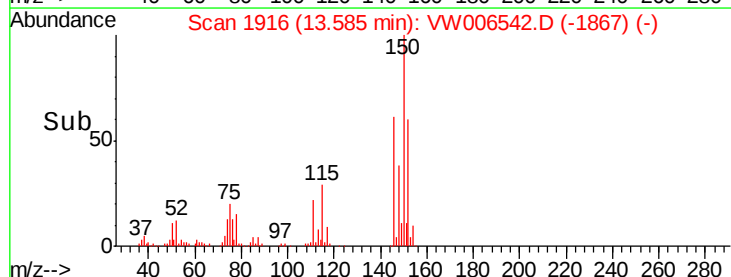
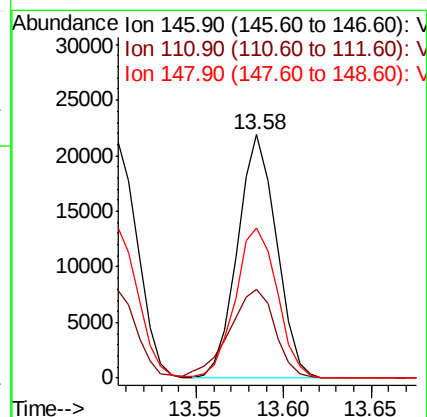
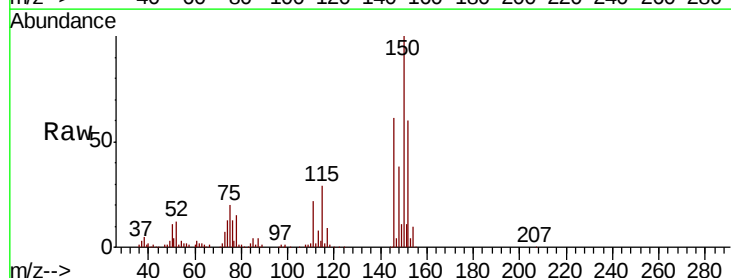
Tgt Ion:146 Resp: 33971

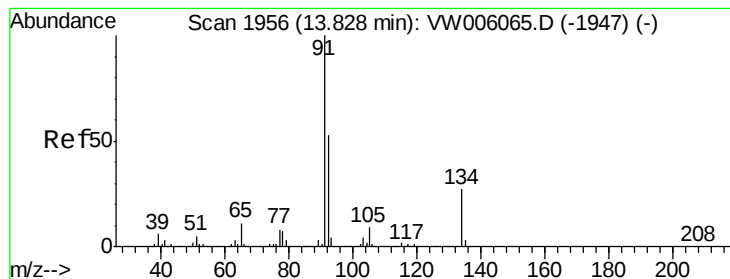
Ion Ratio Lower Upper

146 100

111 42.8 17.9 53.7

148 66.3 32.1 96.5





#89

n-Butylbenzene

Concen: 4.105 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

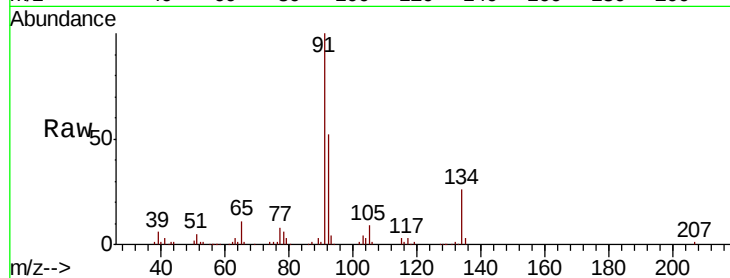
Tgt Ion: 91 Resp: 52492

Ion Ratio Lower Upper

91 100

92 53.1 26.4 79.0

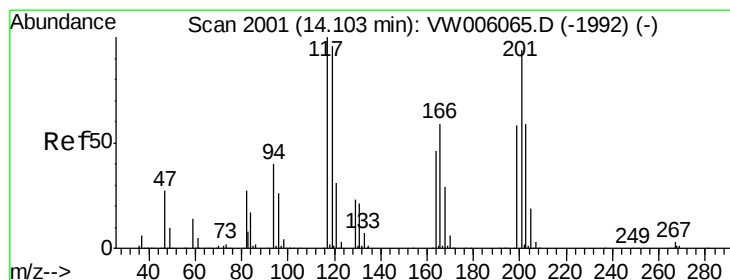
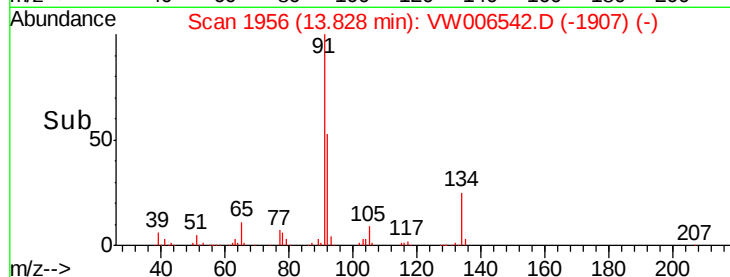
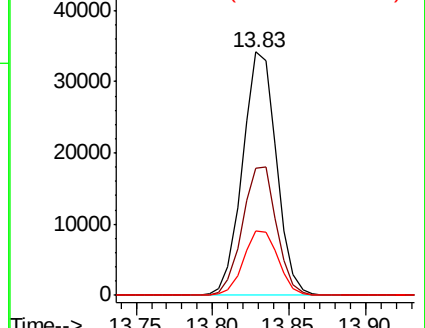
134 27.1 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 3.956 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW006542.D

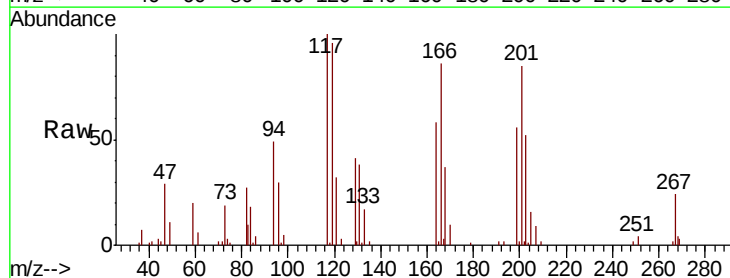
Acq: 31 Oct 2018 23:29

Tgt Ion: 117 Resp: 9348

Ion Ratio Lower Upper

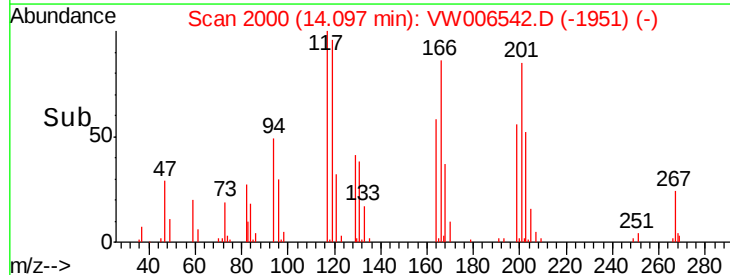
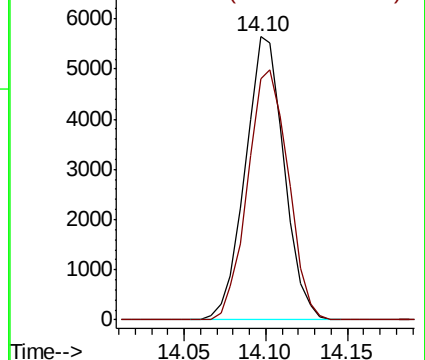
117 100

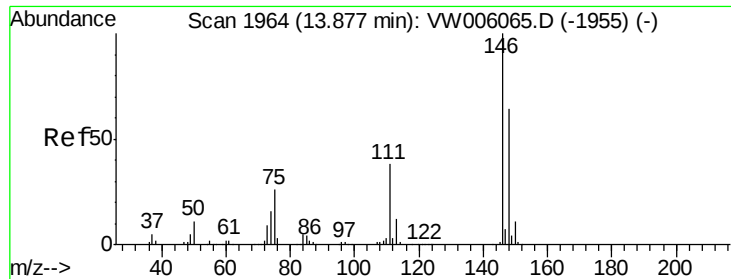
201 92.1 46.8 140.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 4.880 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

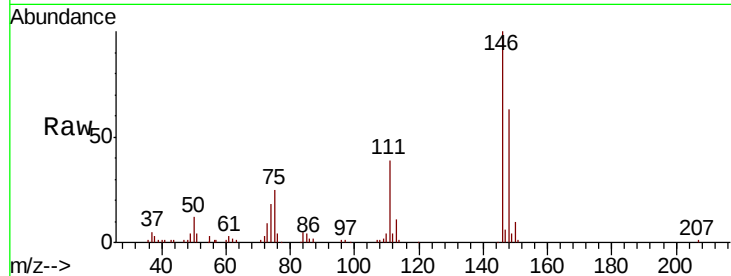
Tgt Ion:146 Resp: 31162

Ion Ratio Lower Upper

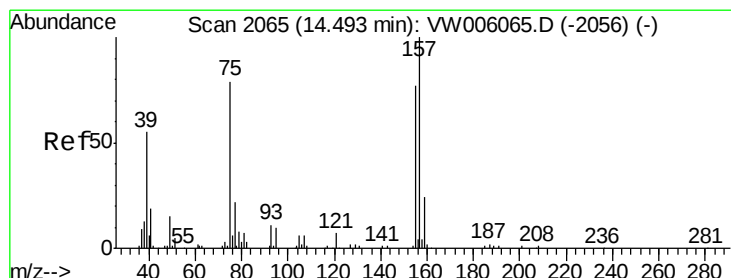
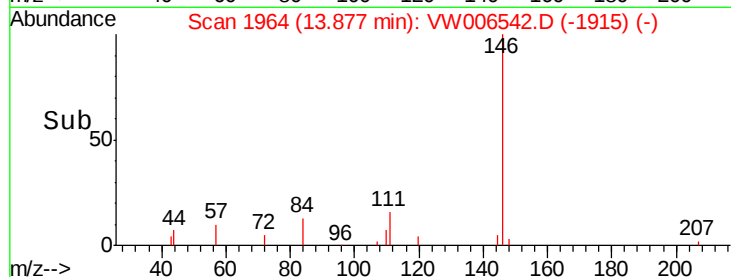
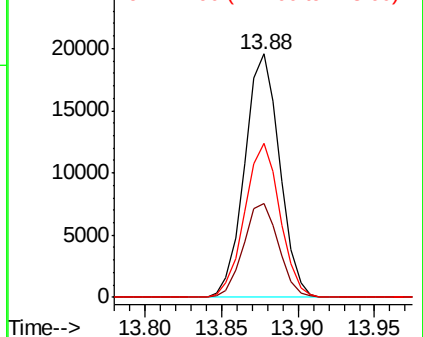
146 100

111 38.5 19.1 57.5

148 63.7 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.216 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

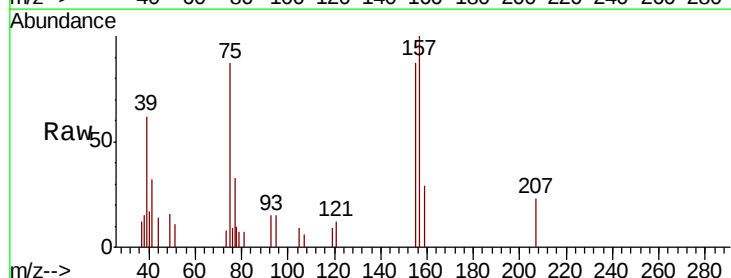
Tgt Ion: 75 Resp: 1651

Ion Ratio Lower Upper

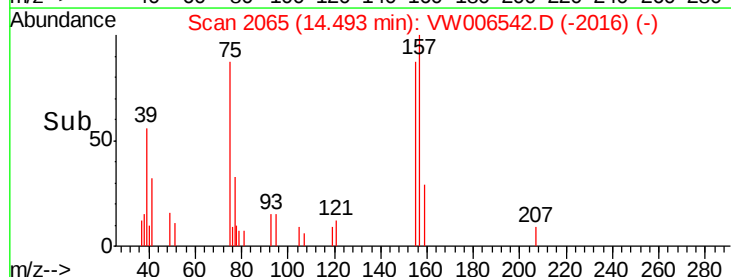
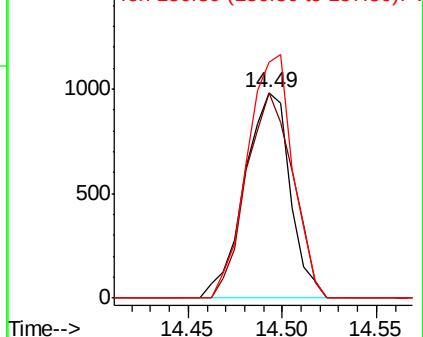
75 100

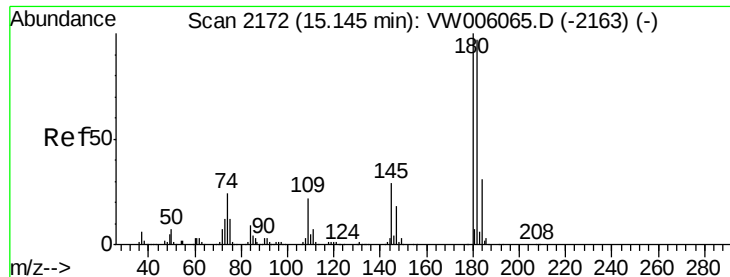
155 101.9 50.6 151.8

157 118.5 65.0 195.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

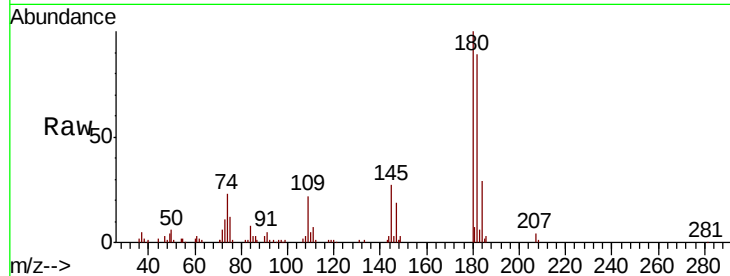




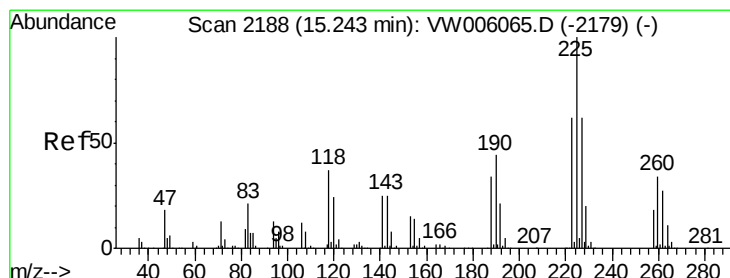
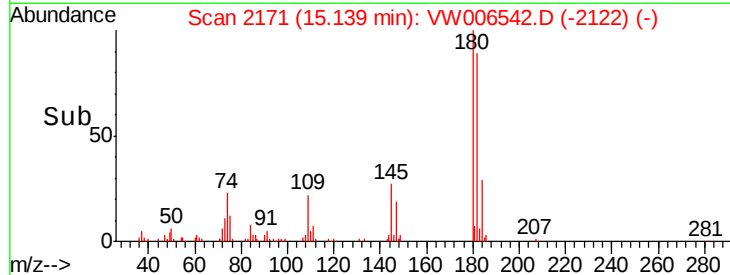
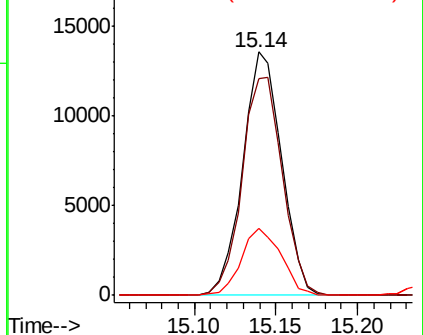
#93
 1,2,4-Trichlorobenzene
 Concen: 4.572 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 22481
 Ion Ratio Lower Upper
 180 100
 182 93.2 47.5 142.6
 145 28.2 14.0 42.0

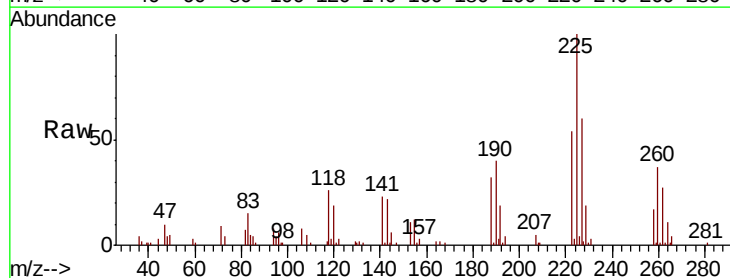


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

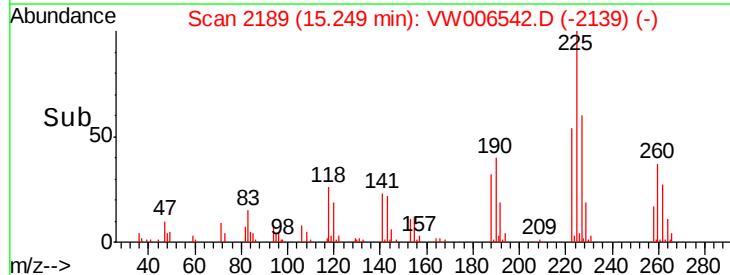
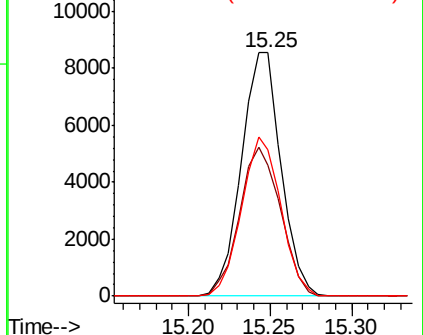


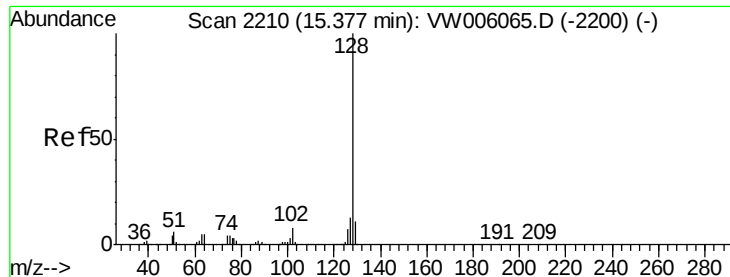
#94
 Hexachlorobutadiene
 Concen: 4.714 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Tgt Ion:225 Resp: 14466
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.4 94.2
 227 64.6 32.2 96.6



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

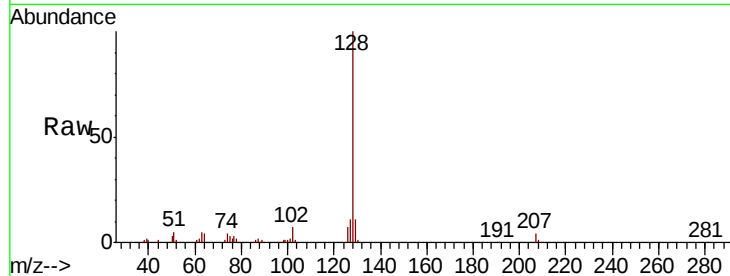




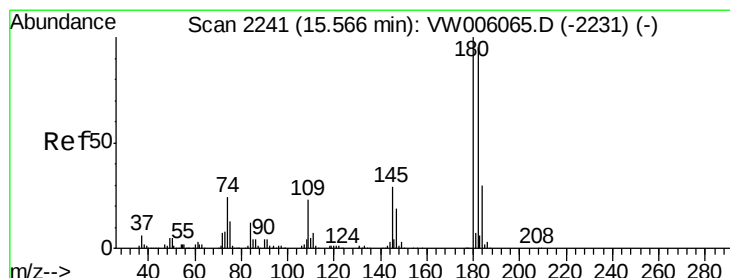
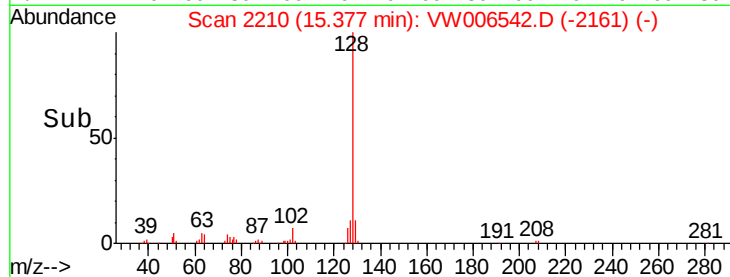
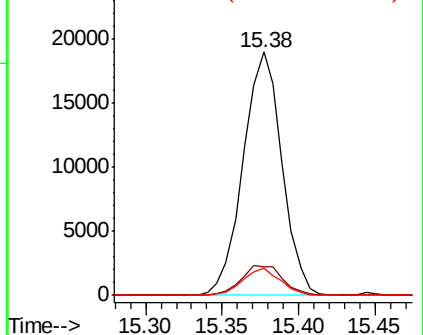
#95
Naphthalene
Concen: 4.110 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 33479
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.6 8.7 13.1

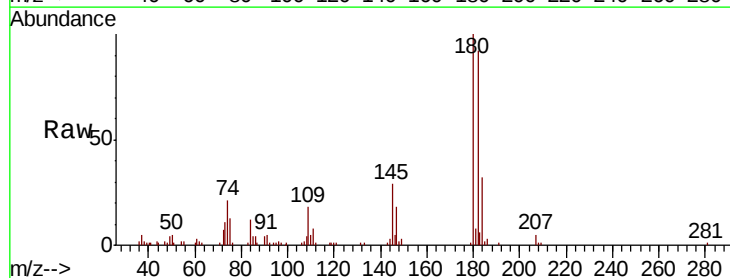


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 4.726 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion:180 Resp: 20126
Ion Ratio Lower Upper
180 100
182 94.8 48.2 144.6
145 28.1 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

