

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092118\
 Data File : VW005541.D
 Acq On : 20 Sep 2018 20:36
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:38:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 04:37:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	218945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	344497	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	322232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	172544	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	13227	5.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.26%	
35) Dibromofluoromethane	7.89	113	10698	5.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.74%	
50) Toluene-d8	10.33	98	41646	4.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.36%	
62) 4-Bromofluorobenzene	12.62	95	15152	4.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.32%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.02	85	9435	4.680	ug/l	97
3) Chloromethane	2.21	50	10098	4.117	ug/l	97
4) Vinyl Chloride	2.37	62	11292	4.749	ug/l	99
5) Bromomethane	2.79	94	8381	4.800	ug/l	95
6) Chloroethane	2.93	64	7827	5.524	ug/l	92
7) Trichlorofluoromethane	3.26	101	8449	2.836	ug/l	97
8) Diethyl Ether	3.68	74	6405	6.551	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	11818	6.172	ug/l	97
10) Methyl Iodide	4.26	142	17524	8.284	ug/l	99
11) Tert butyl alcohol	5.17	59	4606	28.542	ug/l #	89
12) 1,1-Dichloroethene	4.04	96	11395	6.508	ug/l	97
13) Acrolein	3.89	56	3366	31.753	ug/l	94
14) Allyl chloride	4.67	41	18271	5.659	ug/l	99
15) Acrylonitrile	5.38	53	12856	28.998	ug/l	99
16) Acetone	4.12	43	14211	37.191	ug/l	96
17) Carbon Disulfide	4.37	76	35736	5.919	ug/l	97
18) Methyl Acetate	4.68	43	7352	6.607	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	15741	3.604	ug/l	99
20) Methylene Chloride	4.92	84	18915	6.930	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	11825	5.699	ug/l	98
22) Diisopropyl ether	6.32	45	33106	5.245	ug/l	94
23) Vinyl Acetate	6.26	43	90778	25.174	ug/l	98
24) 1,1-Dichloroethane	6.22	63	23047	5.972	ug/l	98
25) 2-Butanone	7.18	43	17174	30.832	ug/l	100
26) 2,2-Dichloropropane	7.17	77	17722	5.360	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	12971	5.745	ug/l	97
28) Bromochloromethane	7.52	49	9277	6.175	ug/l #	99
29) Tetrahydrofuran	7.54	42	9820	27.582	ug/l	97
30) Chloroform	7.68	83	23250	5.804	ug/l	99
31) Cyclohexane	7.96	56	24514	6.652	ug/l #	89
32) 1,1,1-Trichloroethane	7.88	97	21106	5.768	ug/l	98
36) 1,1-Dichloropropene	8.09	75	18262	5.510	ug/l	99
37) Ethyl Acetate	7.26	43	8141	5.994	ug/l #	81
38) Carbon Tetrachloride	8.07	117	20077	5.776	ug/l	97

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 Acq On : 20 Sep 2018 20:36
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:38:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 04:37:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	21113	5.495	ug/l	98
40) Benzene	8.33	78	52793	5.530	ug/l	97
41) Methacrylonitrile	7.49	41	3615	4.443	ug/l #	90
42) 1,2-Dichloroethane	8.41	62	16874	5.594	ug/l	100
43) Isopropyl Acetate	8.43	43	14679	5.571	ug/l	98
44) Trichloroethene	9.10	130	13331	5.424	ug/l	100
45) 1,2-Dichloropropane	9.37	63	12989	5.651	ug/l	97
46) Dibromomethane	9.46	93	6437	5.667	ug/l	95
47) Bromodichloromethane	9.65	83	16697	5.442	ug/l	96
48) Methyl methacrylate	9.44	41	6607	5.069	ug/l	98
49) 1,4-Dioxane	9.45	88	1994	107.987	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	35628	26.437	ug/l	98
52) Toluene	10.39	92	31040	4.873	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	15977	5.200	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	17622	5.068	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	8920	5.318	ug/l #	92
56) Ethyl methacrylate	10.65	69	9383	4.468	ug/l	100
57) 1,3-Dichloropropane	10.94	76	16035	5.549	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	21619	22.638	ug/l	98
59) 2-Hexanone	10.98	43	23470	25.663	ug/l	95
60) Dibromochloromethane	11.13	129	10465	5.193	ug/l	97
61) 1,2-Dibromoethane	11.24	107	8516	5.641	ug/l	97
64) Tetrachloroethene	10.87	164	12154	5.133	ug/l	96
65) Chlorobenzene	11.66	112	35274	5.132	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	12334	5.491	ug/l	97
67) Ethyl Benzene	11.74	91	59297	4.905	ug/l	97
68) m/p-Xylenes	11.85	106	43195	9.304	ug/l	99
69) o-Xylene	12.17	106	20097	4.650	ug/l	97
70) Styrene	12.18	104	33360	4.659	ug/l	98
71) Bromoform	12.35	173	6474	5.456	ug/l #	98
73) Isopropylbenzene	12.47	105	56456	4.644	ug/l	99
74) N-amyl acetate	12.28	43	12848	4.985	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	10534	5.820	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	14466	10.060	ug/l #	100
77) Bromobenzene	12.76	156	14927	5.210	ug/l	93
78) n-propylbenzene	12.81	91	68585	4.677	ug/l	99
79) 2-Chlorotoluene	12.90	91	40588	4.708	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	48178	4.556	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	3194	5.663	ug/l	99
82) 4-Chlorotoluene	12.99	91	43382	4.764	ug/l	99
83) tert-Butylbenzene	13.21	119	40781	4.636	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	48473	4.511	ug/l	96
85) sec-Butylbenzene	13.39	105	60200	4.736	ug/l	100
86) p-Isopropyltoluene	13.51	119	52347	4.603	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	30061	5.167	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	30918	5.404	ug/l	93
89) n-Butylbenzene	13.83	91	51433	4.862	ug/l	98
90) Hexachloroethane	14.10	117	10688	5.441	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	26886	5.297	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2132	6.211	ug/l	92

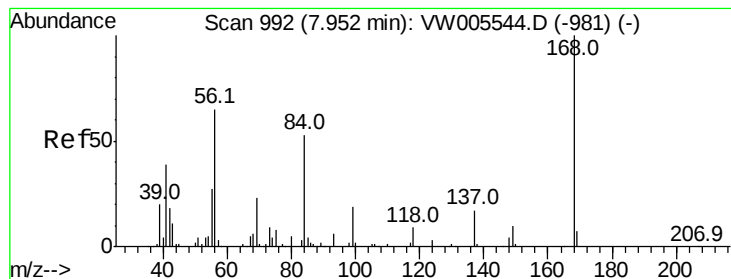
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092118\
Data File : VW005541.D
Acq On : 20 Sep 2018 20:36
Operator : SY/AP
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 21 04:38:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 21 04:37:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	18232	5.342	ug/l	98
94) Hexachlorobutadiene	15.25	225	12225	5.513	ug/l	98
95) Naphthalene	15.38	128	27270	4.770	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	15830	5.294	ug/l	97

(#) = 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: VW005541.D

Acq: 20 Sep 2018 20:36

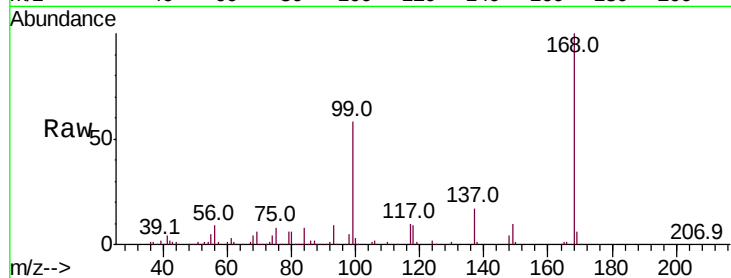
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 218945

Ion Ratio Lower Upper

168 100

99 57.6 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

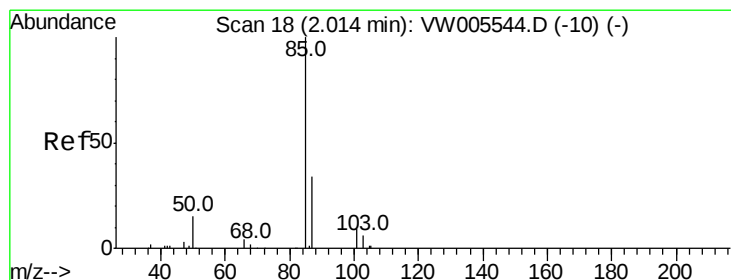
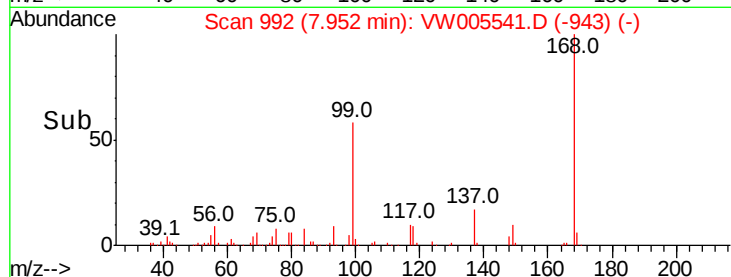
40000

20000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: 4.680 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW005541.D

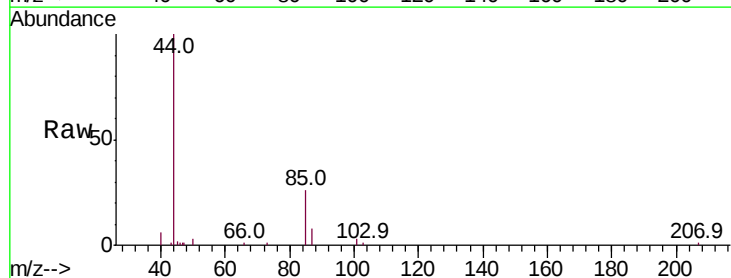
Acq: 20 Sep 2018 20:36

Tgt Ion: 85 Resp: 9435

Ion Ratio Lower Upper

85 100

87 32.5 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

3000

2500

2000

1500

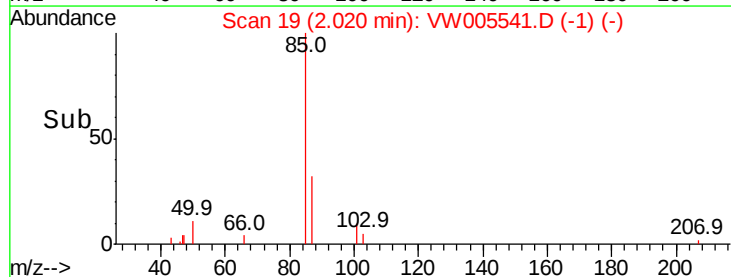
1000

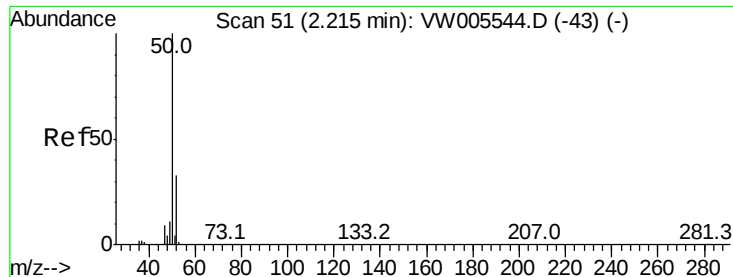
500

0

Time-->

1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 4.117 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

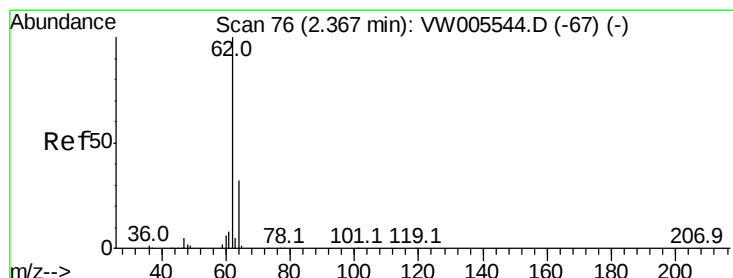
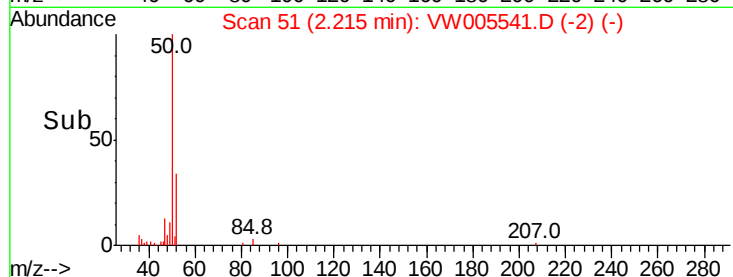
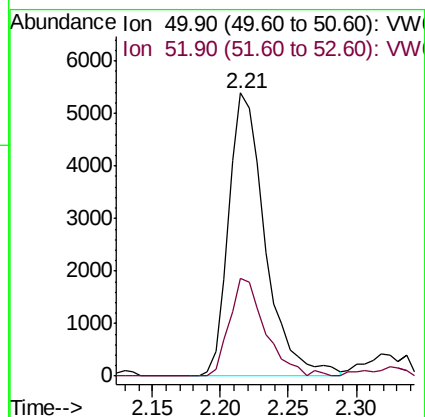
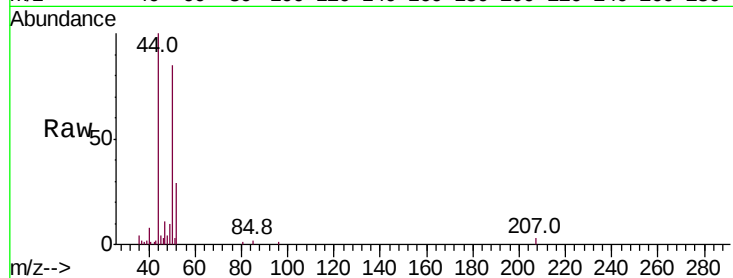
ClientSampleId :

Tot Ion: 50 Resp: 10098

Ion Ratio Lower Upper

50 100

52 34.4 26.2 39.4



#4

Vinyl Chloride

Concen: 4.749 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW005541.D

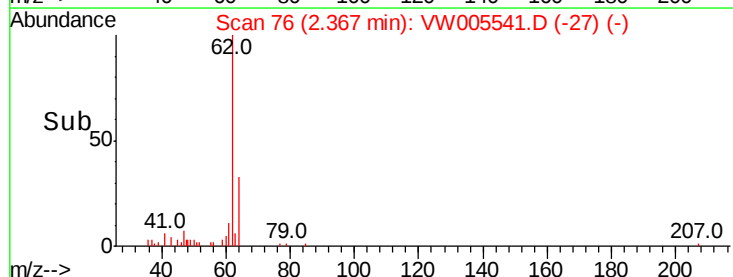
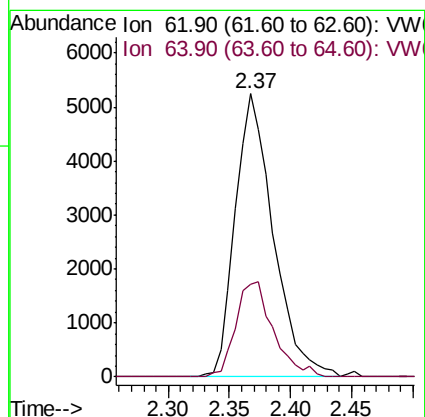
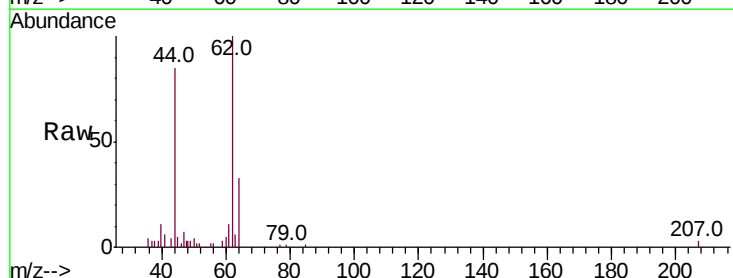
Acq: 20 Sep 2018 20:36

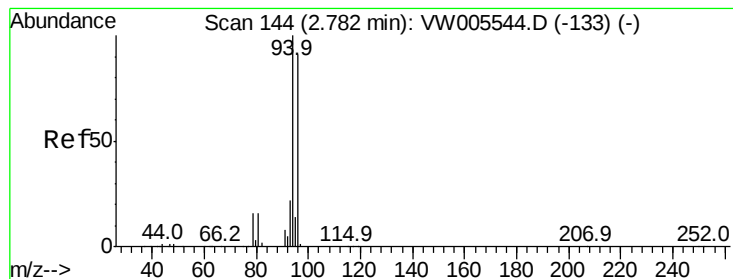
Tgt Ion: 62 Resp: 11292

Ion Ratio Lower Upper

62 100

64 32.6 25.7 38.5





#5

Bromomethane

Concen: 4.800 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

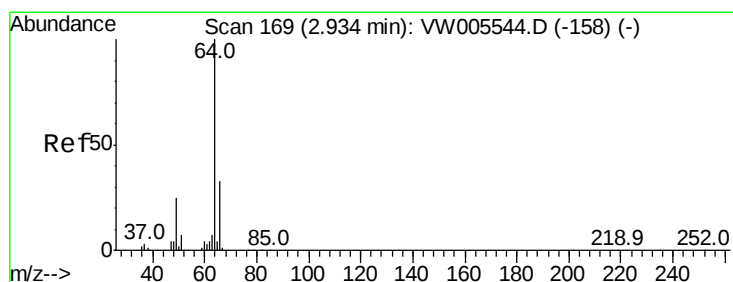
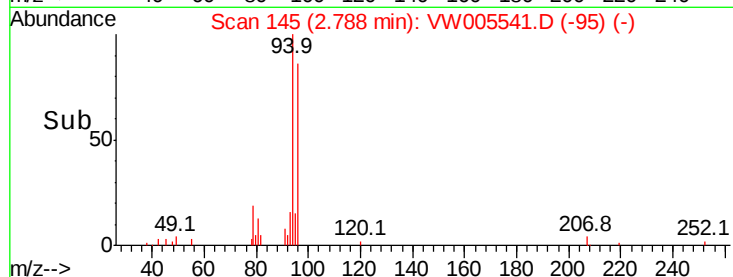
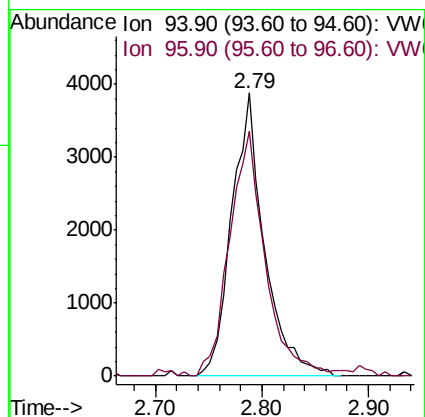
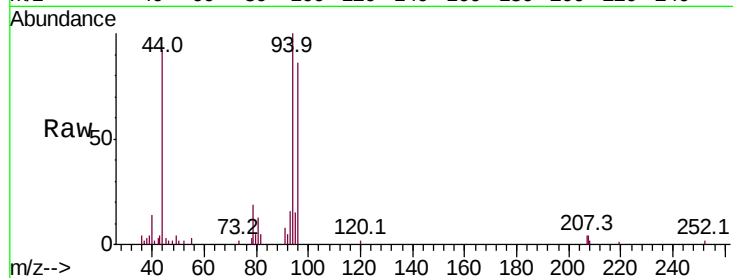
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 8381

Ion Ratio Lower Upper

94 100

96 86.5 73.1 109.7



#6

Chloroethane

Concen: 5.524 ug/l

RT: 2.93 min Scan# 169

Delta R.T. -0.00 min

Lab File: VW005541.D

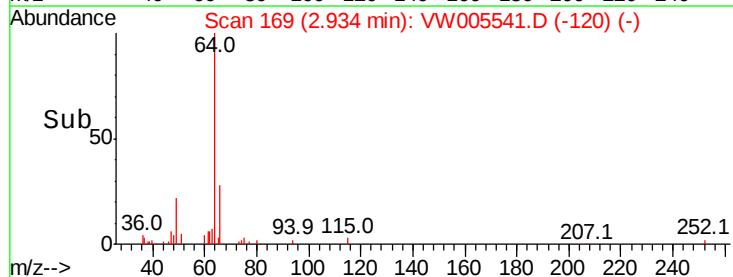
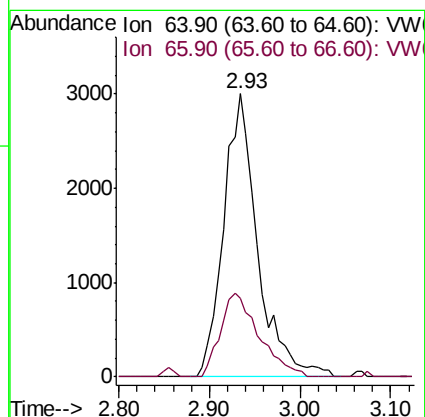
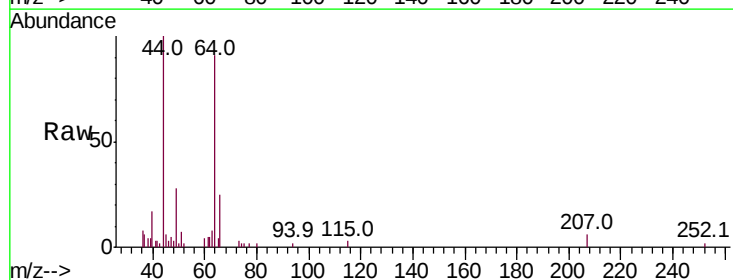
Acq: 20 Sep 2018 20:36

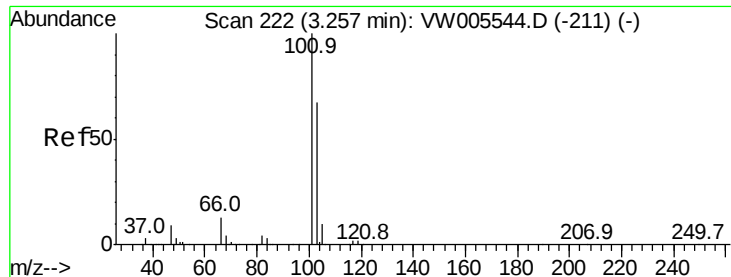
Tgt Ion: 64 Resp: 7827

Ion Ratio Lower Upper

64 100

66 27.9 26.0 39.0



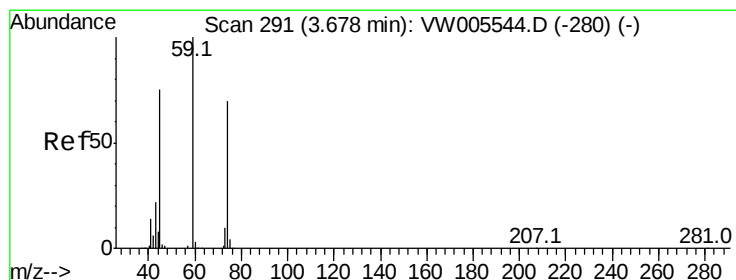
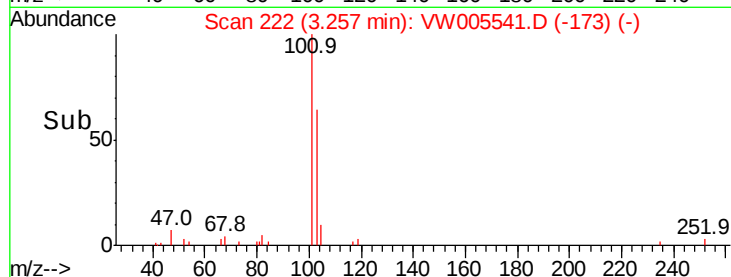
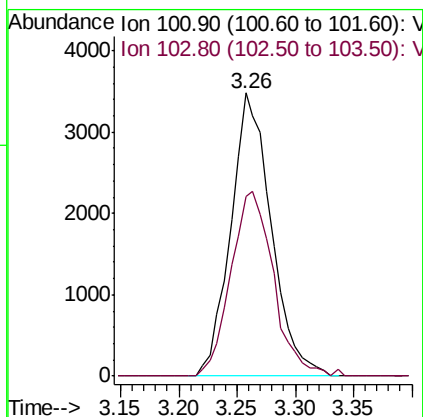
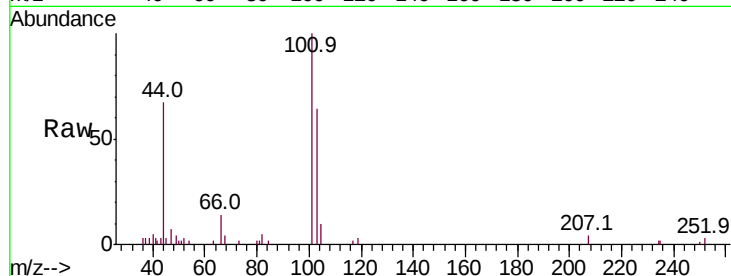


#7

Trichlorofluoromethane
 Concen: 2.836 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Instrument :
 MSVOA_W
 ClientSampleId :

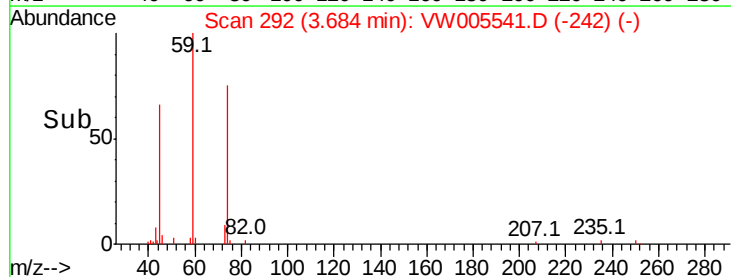
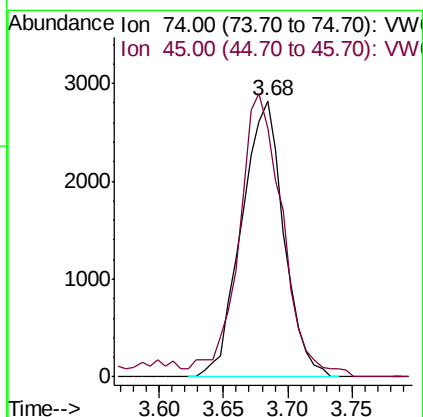
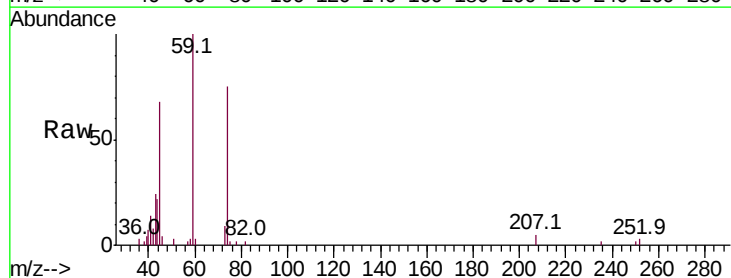
Tot Ion:101 Resp: 8449
 Ion Ratio Lower Upper
 101 100
 103 63.7 53.2 79.8

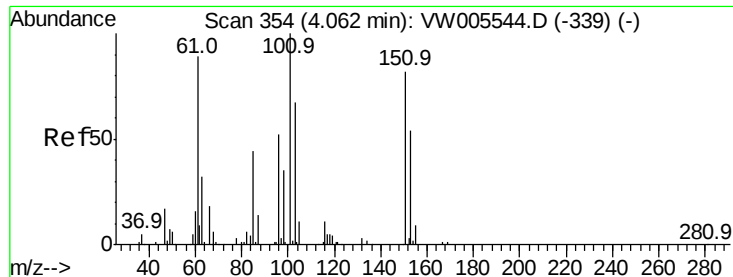


#8

Diethyl Ether
 Concen: 6.551 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Tgt Ion: 74 Resp: 6405
 Ion Ratio Lower Upper
 74 100
 45 106.2 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.172 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

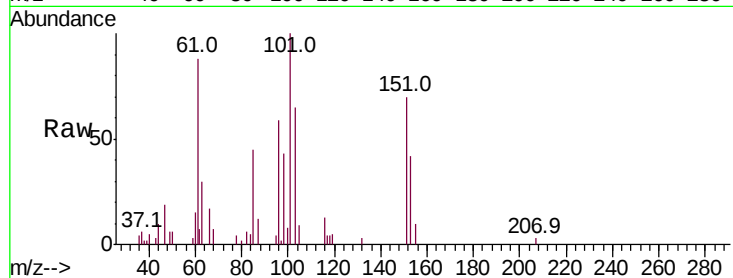
Tot Ion:101 Resp: 11818

Ion Ratio Lower Upper

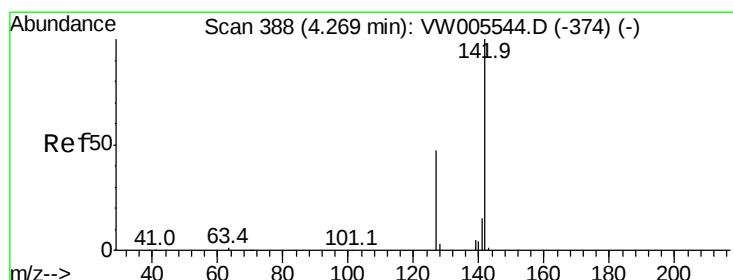
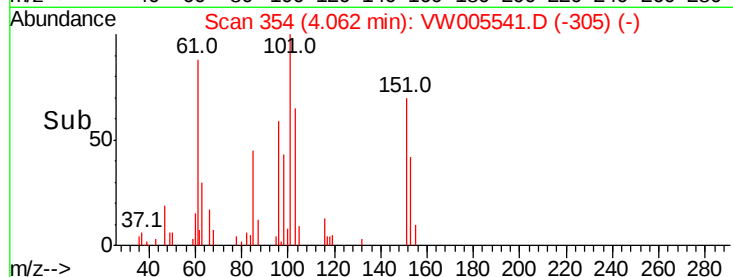
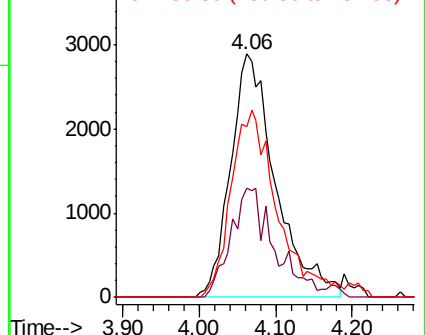
101 100

85 43.4 36.4 54.6

151 79.1 65.8 98.6



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: 8.284 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

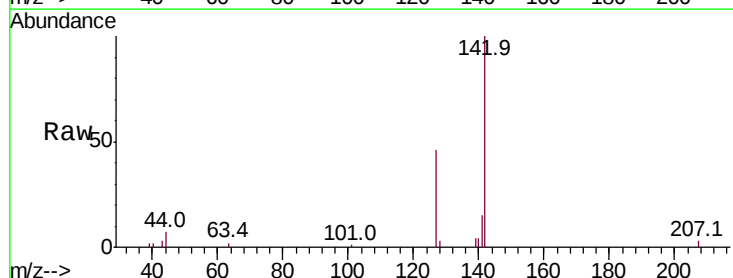
Tgt Ion:142 Resp: 17524

Ion Ratio Lower Upper

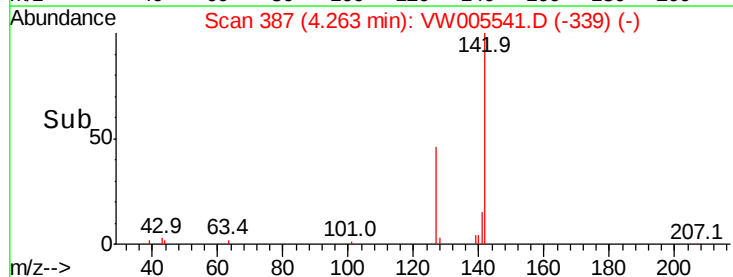
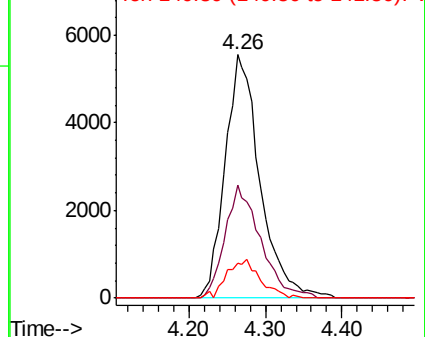
142 100

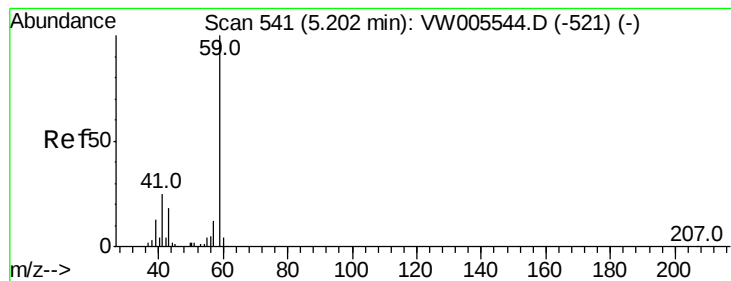
127 47.2 37.4 56.0

141 15.0 11.9 17.9



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: 28.542 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.03 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

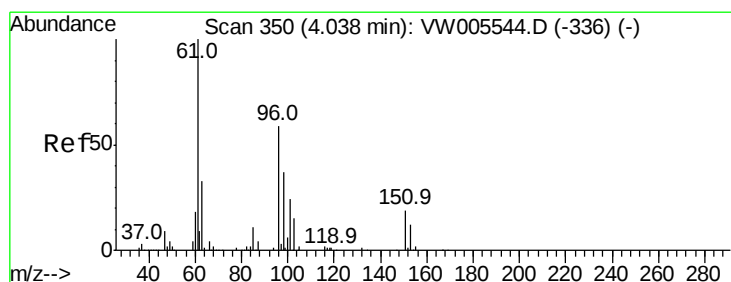
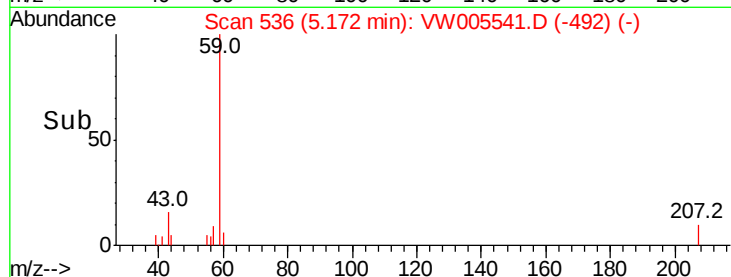
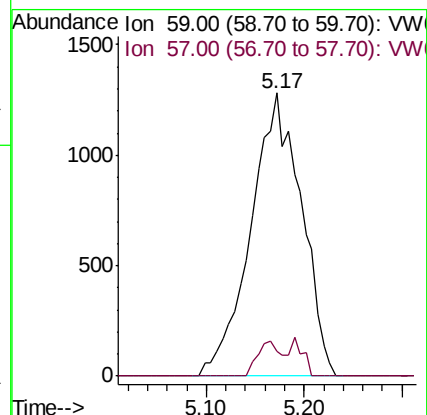
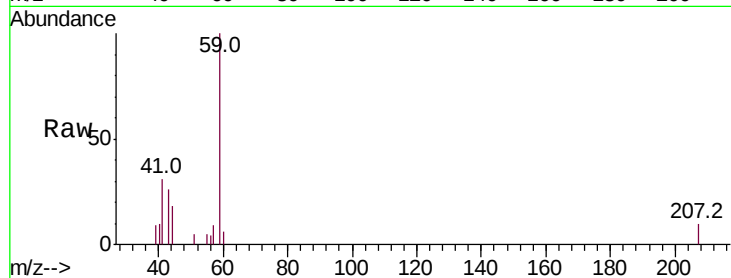
ClientSampleId :

Tot Ion: 59 Resp: 4606

Ion Ratio Lower Upper

59 100

57 6.1 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 6.508 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

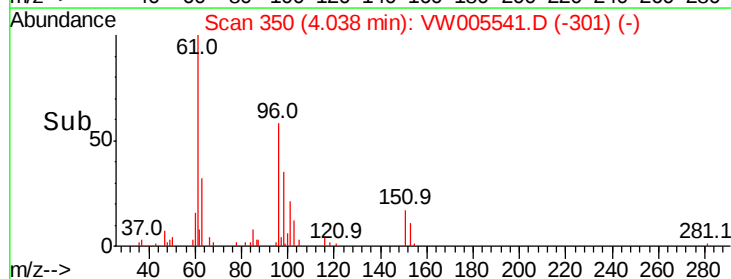
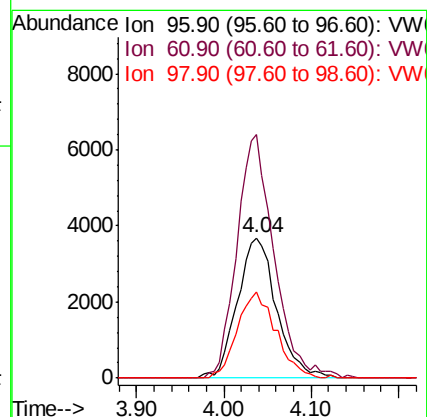
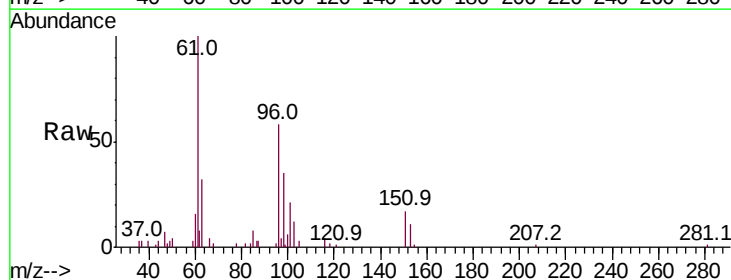
Tgt Ion: 96 Resp: 11395

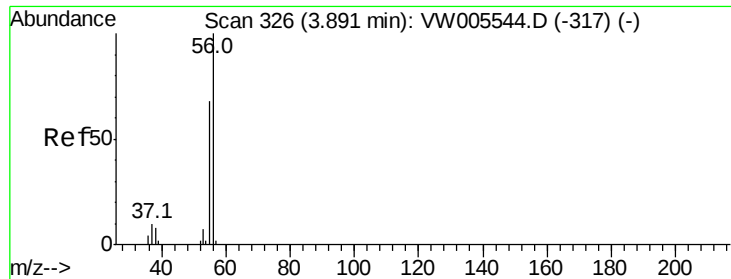
Ion Ratio Lower Upper

96 100

61 173.9 135.0 202.6

98 61.7 50.6 76.0





#13

Acrolein

Concen: 31.753 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

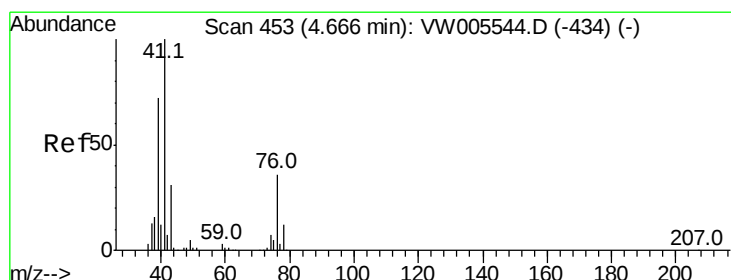
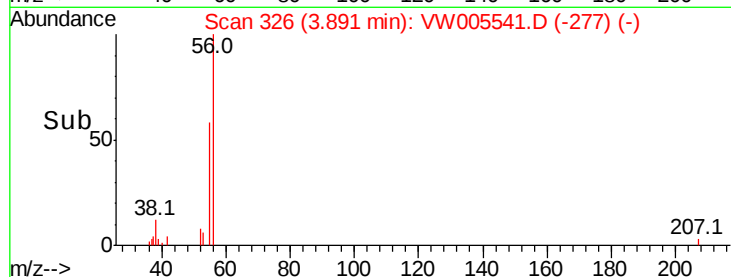
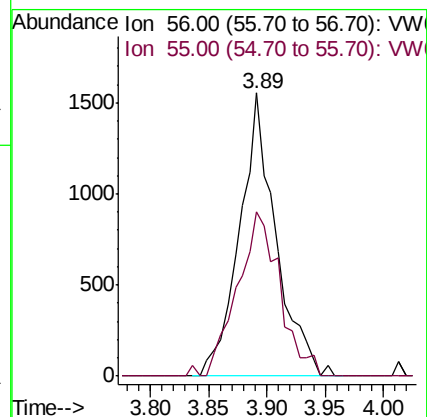
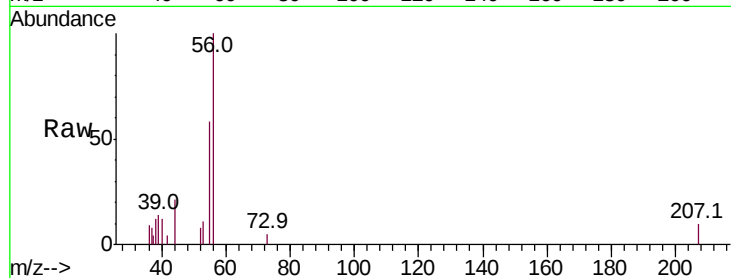
ClientSampleId :

Tot Ion: 56 Resp: 3366

Ion Ratio Lower Upper

56 100

55 67.5 57.8 86.8



#14

Allyl chloride

Concen: 5.659 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

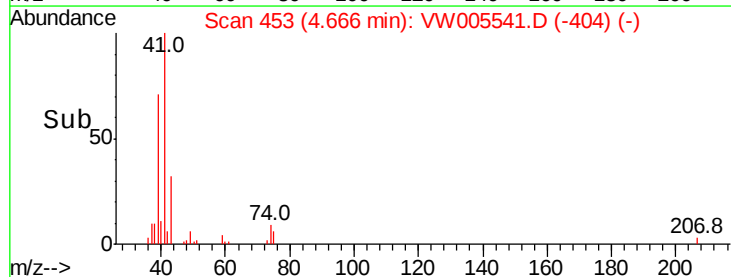
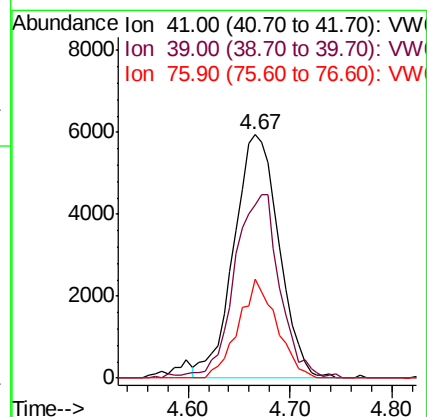
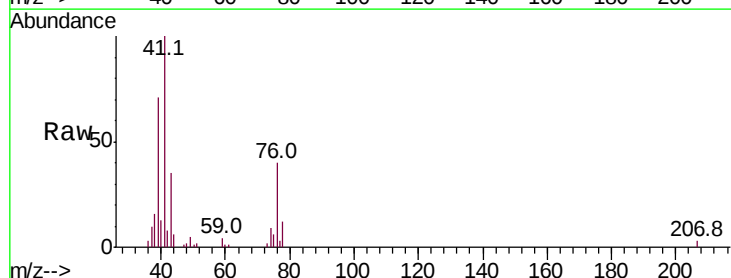
Tgt Ion: 41 Resp: 18271

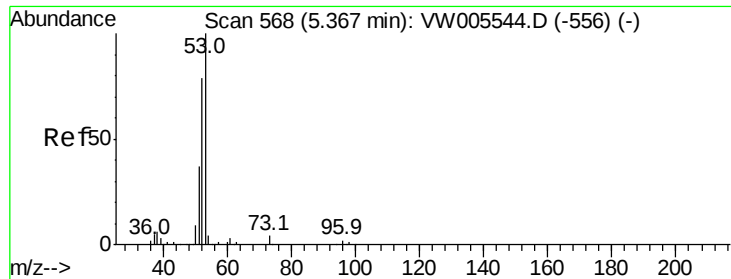
Ion Ratio Lower Upper

41 100

39 75.9 59.6 89.4

76 34.5 27.7 41.5





#15

Acrylonitrile

Concen: 28.998 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :

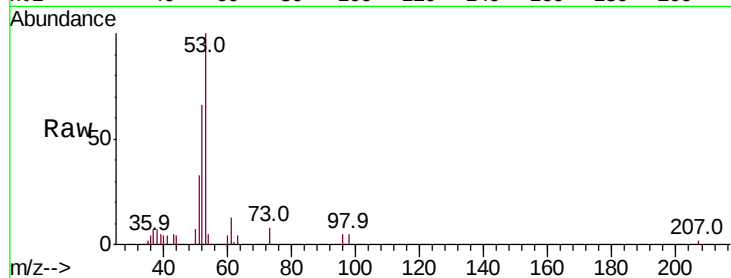
Tot Ion: 53 Resp: 12856

Ion Ratio Lower Upper

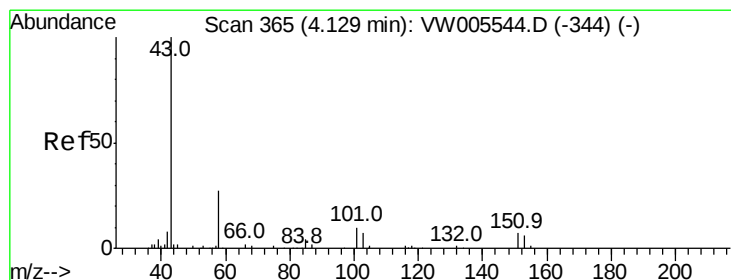
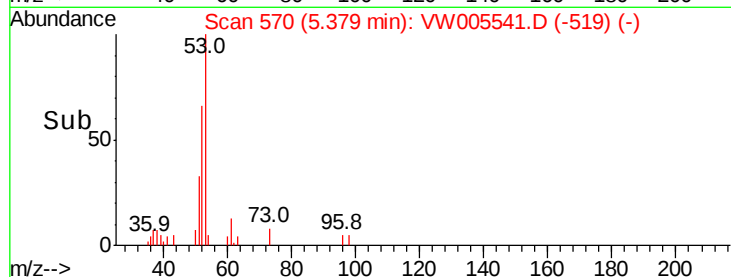
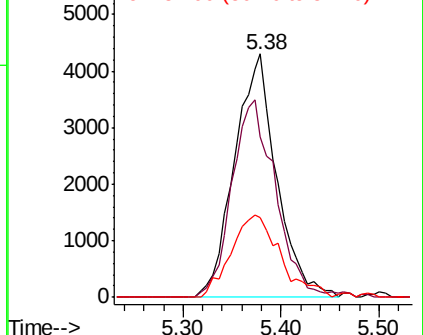
53 100

52 83.3 66.5 99.7

51 39.3 30.6 46.0



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 37.191 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005541.D

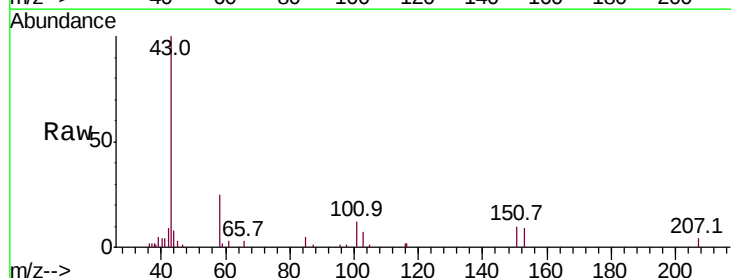
Acq: 20 Sep 2018 20:36

Tgt Ion: 43 Resp: 14211

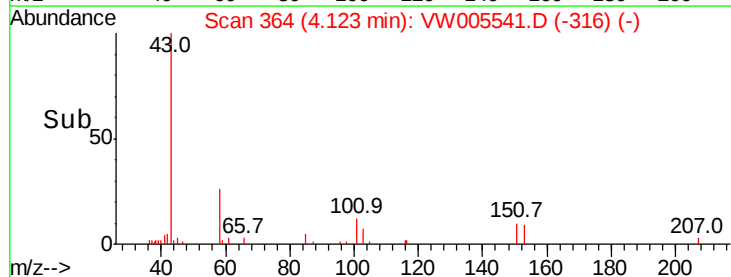
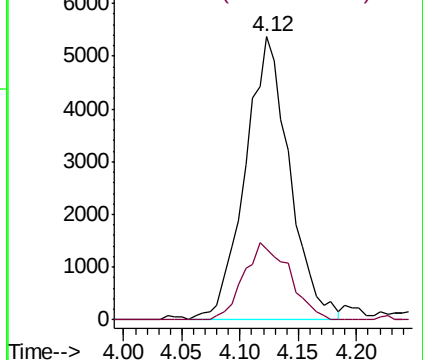
Ion Ratio Lower Upper

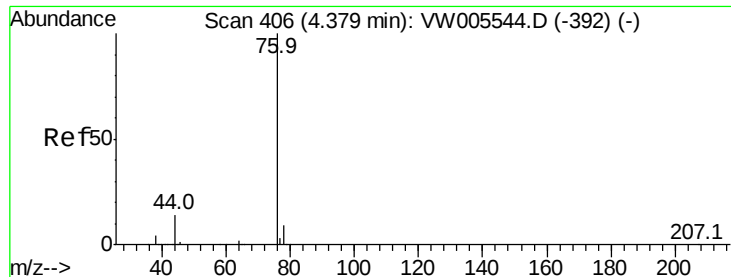
43 100

58 25.3 21.8 32.8



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

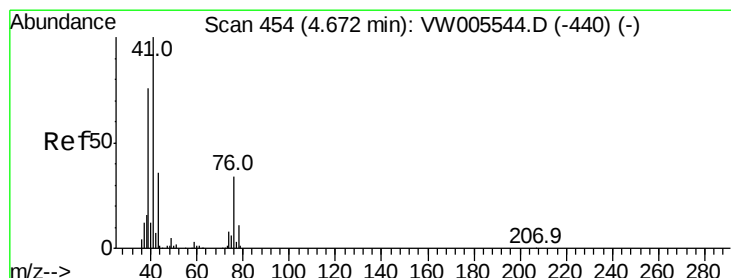
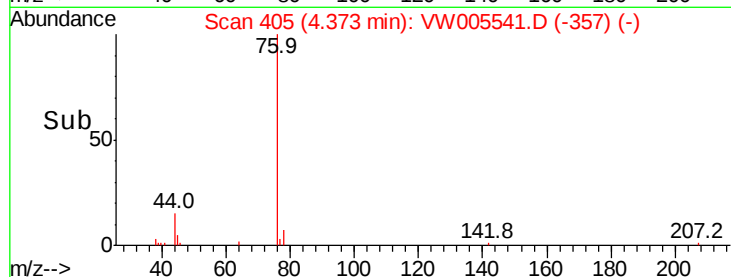
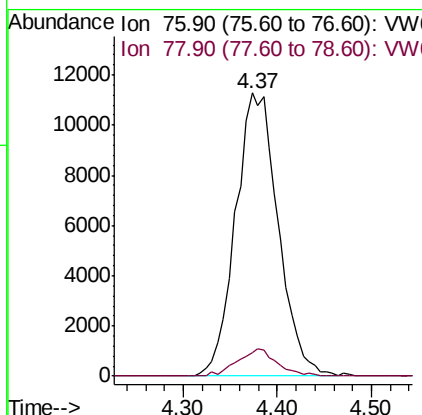
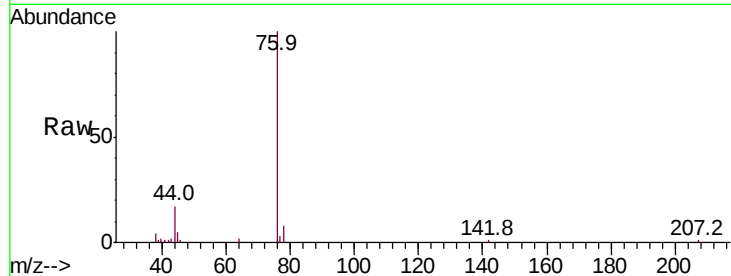




#17
Carbon Disulfide
Concen: 5.919 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

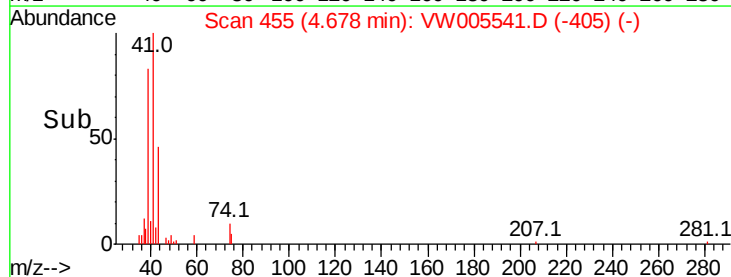
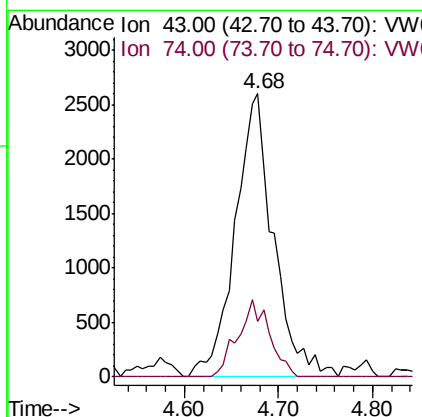
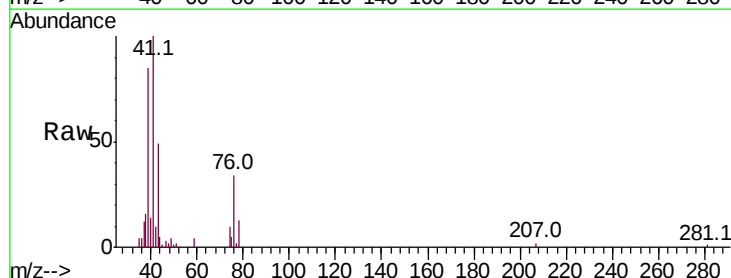
Instrument :
MSVOA_W
ClientSampleId :

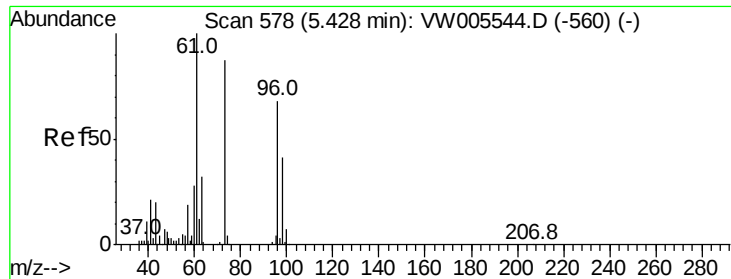
Tot Ion: 76 Resp: 35736
Ion Ratio Lower Upper
76 100
78 8.2 7.4 11.0



#18
Methyl Acetate
Concen: 6.607 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion: 43 Resp: 7352
Ion Ratio Lower Upper
43 100
74 22.9 19.2 28.8



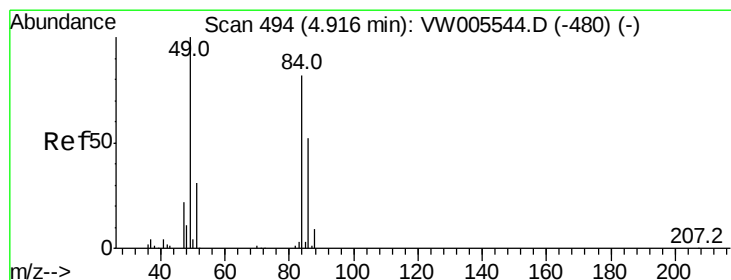
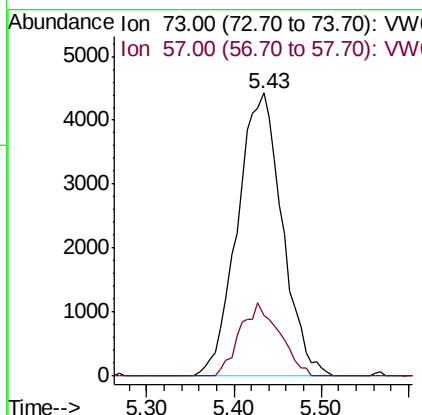
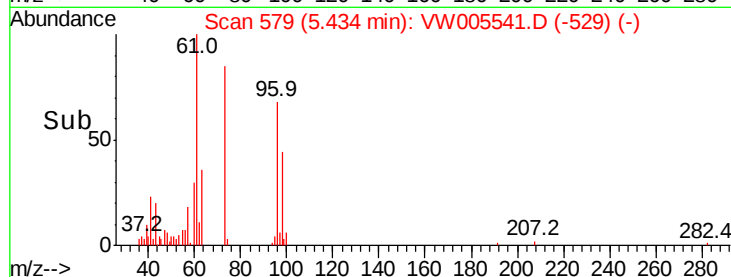
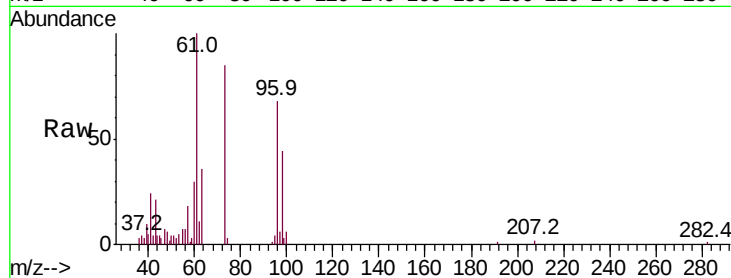


#19

Methyl tert-butyl Ether
 Concen: 3.604 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Instrument :
 MSVOA_W
 ClientSampleId :

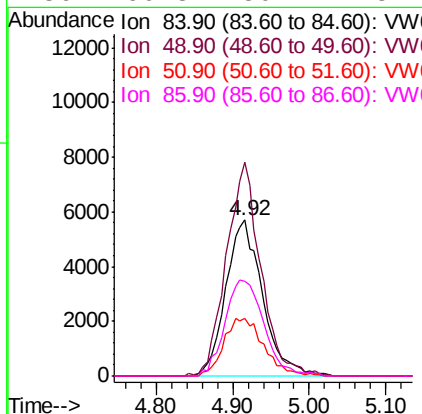
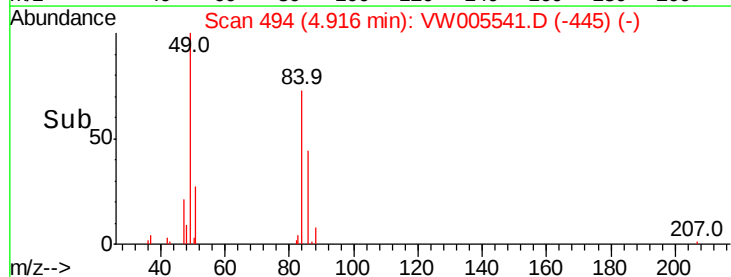
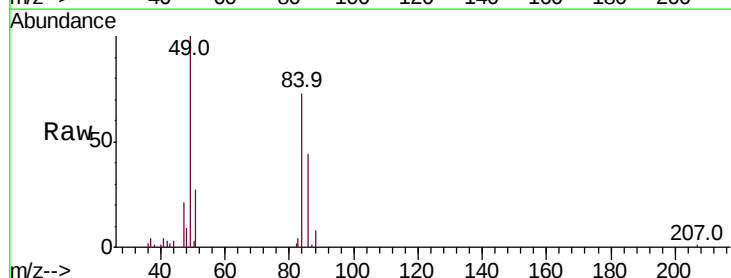
Tot Ion: 73 Resp: 15741
 Ion Ratio Lower Upper
 73 100
 57 21.3 17.6 26.4

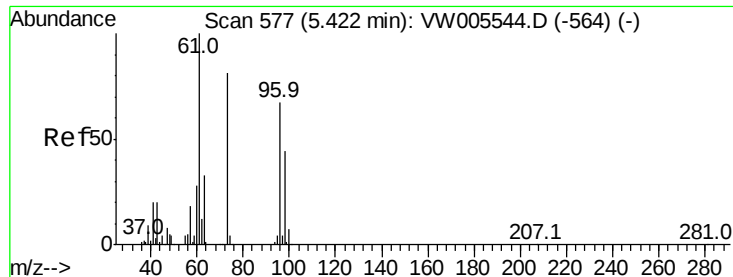


#20

Methylene Chloride
 Concen: 6.930 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Tgt Ion: 84 Resp: 18915
 Ion Ratio Lower Upper
 84 100
 49 137.0 97.0 145.6
 51 36.7 30.2 45.2
 86 60.8 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 5.699 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :

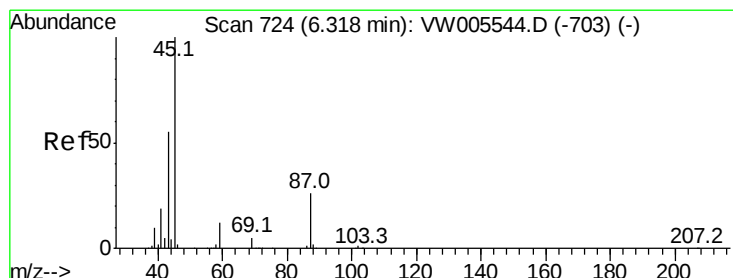
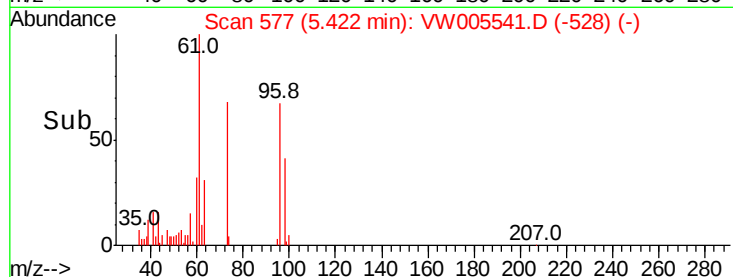
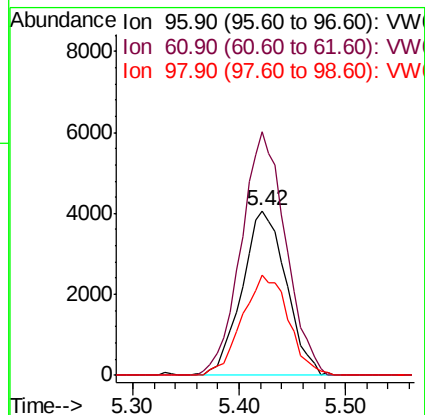
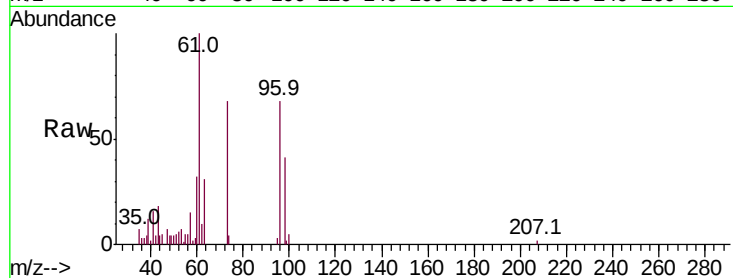
Tot Ion: 96 Resp: 11825

Ion Ratio Lower Upper

96 100

61 147.8 118.9 178.3

98 60.7 52.1 78.1



#22

Diisopropyl ether

Concen: 5.245 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Tgt Ion: 45 Resp: 33106

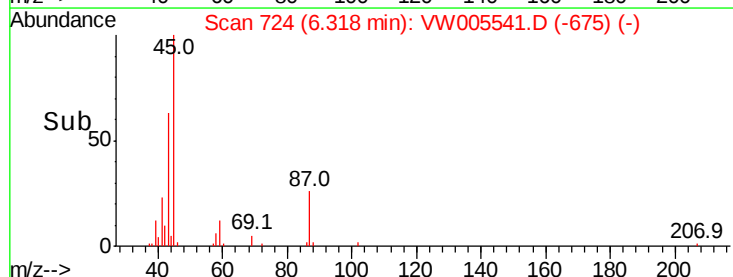
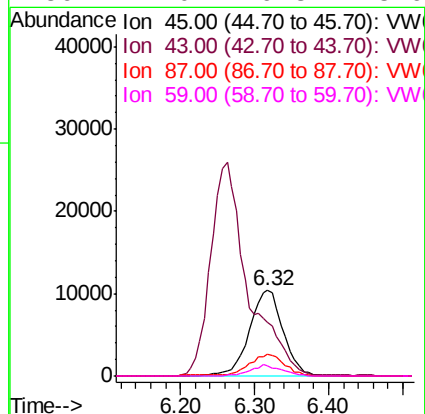
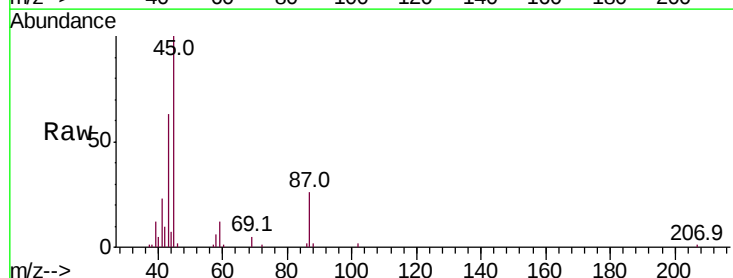
Ion Ratio Lower Upper

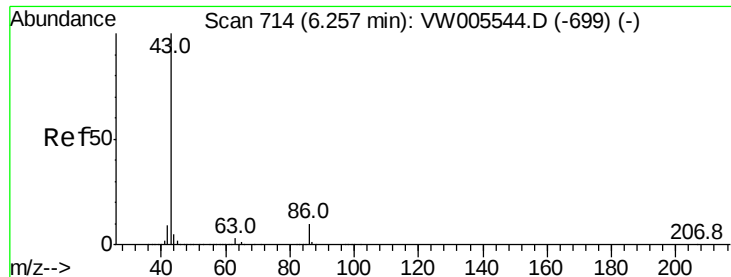
45 100

43 62.1 44.2 66.4

87 25.9 21.4 32.2

59 12.0 9.3 13.9





#23

Vinyl Acetate

Concen: 25.174 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

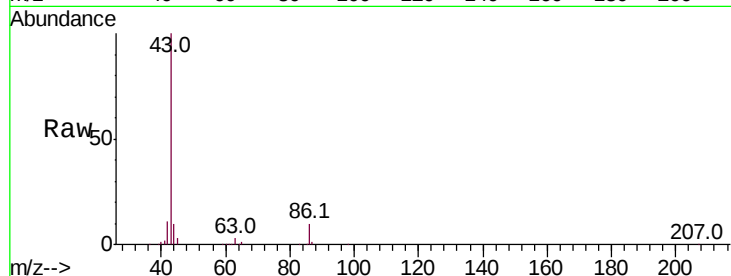
ClientSampled :

Tot Ion: 43 Resp: 90778

Ion Ratio Lower Upper

43 100

86 10.2 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

25000

20000

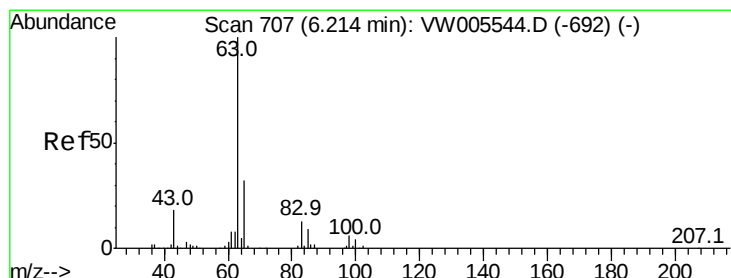
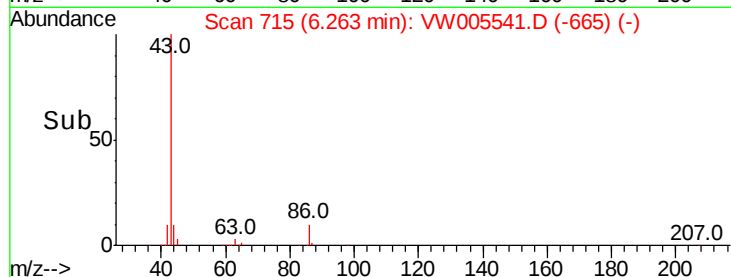
15000

10000

5000

0

Time--> 6.10 6.20 6.30 6.40



#24

1,1-Dichloroethane

Concen: 5.972 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

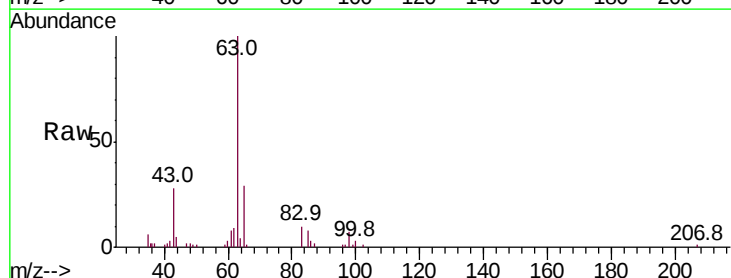
Tgt Ion: 63 Resp: 23047

Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

100 3.3 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

10000

8000

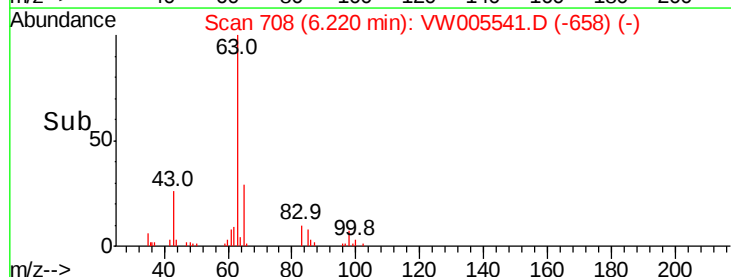
6000

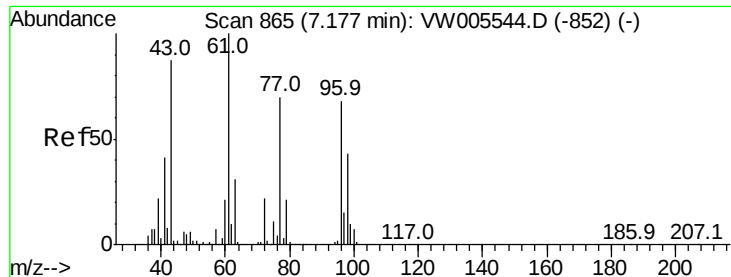
4000

2000

0

Time--> 6.10 6.20 6.30





#25

2-Butanone

Concen: 30.832 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

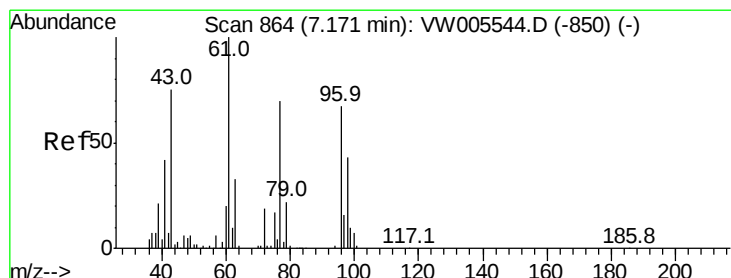
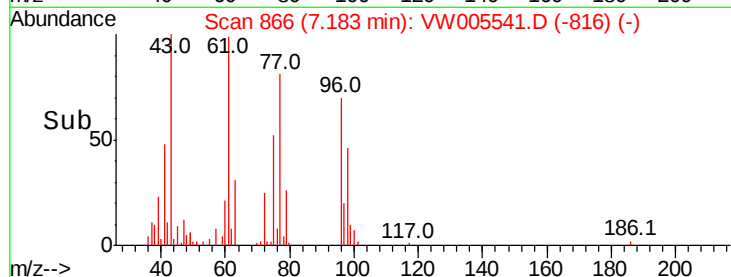
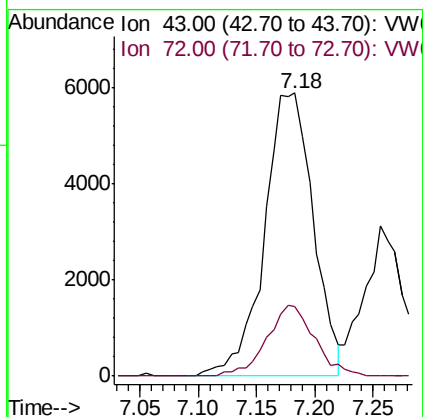
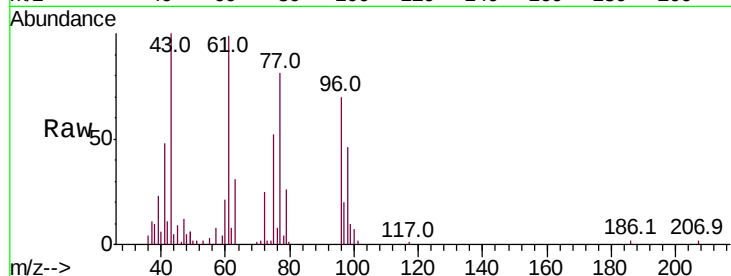
ClientSampled :

Tot Ion: 43 Resp: 17174

Ion Ratio Lower Upper

43 100

72 24.7 19.9 29.9



#26

2,2-Dichloropropane

Concen: 5.360 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW005541.D

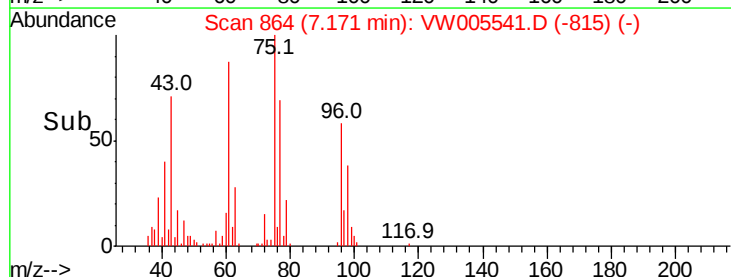
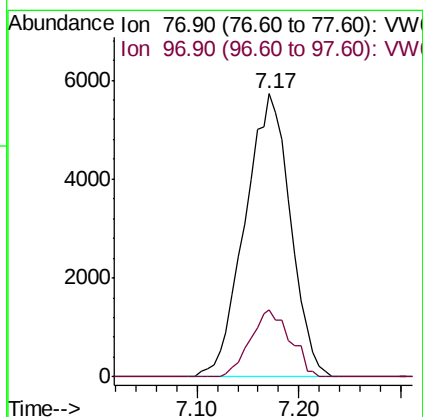
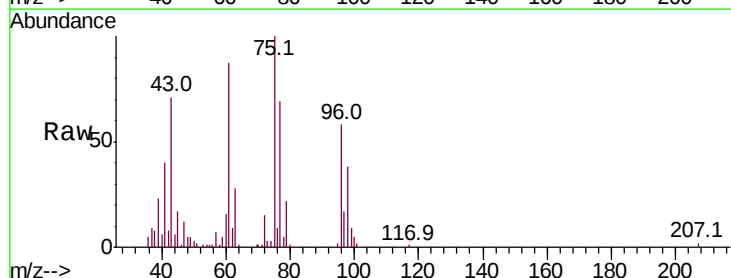
Acq: 20 Sep 2018 20:36

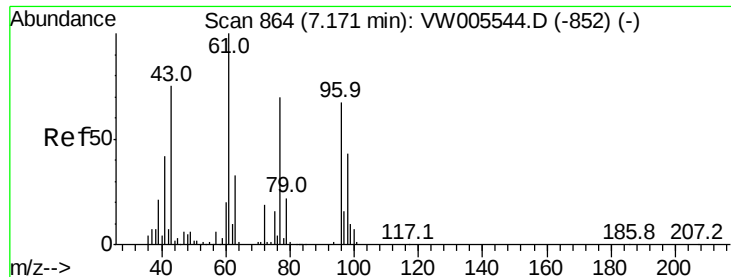
Tgt Ion: 77 Resp: 17722

Ion Ratio Lower Upper

77 100

97 20.9 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 5.745 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :

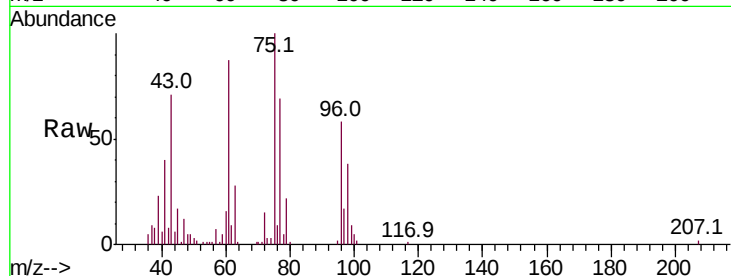
Tot Ion: 96 Resp: 12971

Ion Ratio Lower Upper

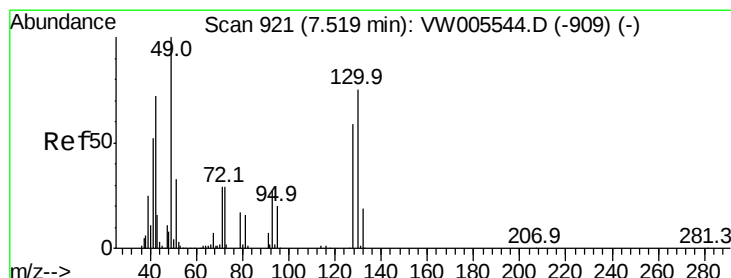
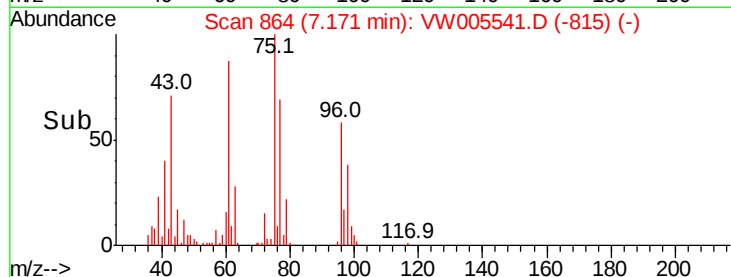
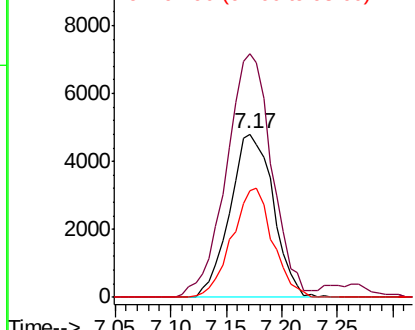
96 100

61 157.6 0.0 303.4

98 62.9 0.0 127.2



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



#28

Bromochloromethane

Concen: 6.175 ug/l

RT: 7.52 min Scan# 921

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

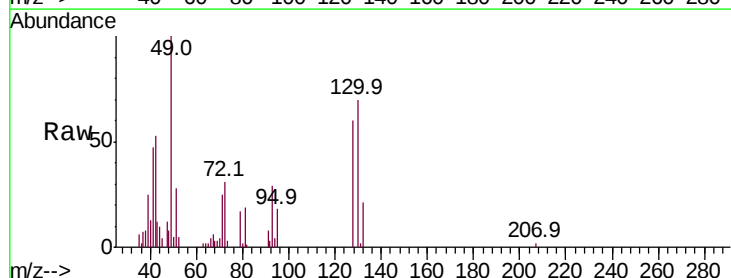
Tgt Ion: 49 Resp: 9277

Ion Ratio Lower Upper

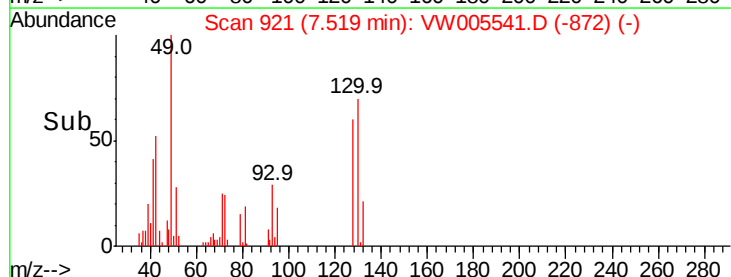
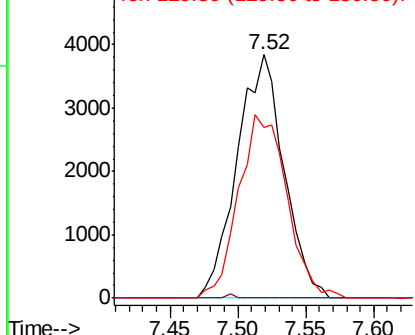
49 100

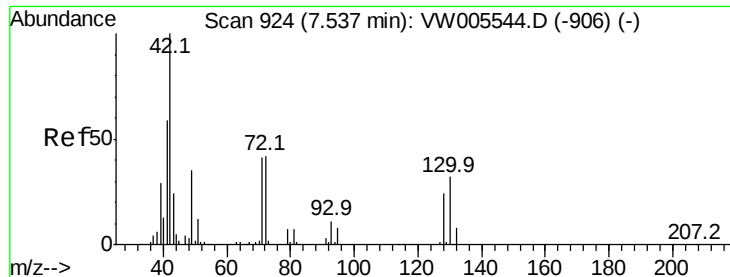
129 0.0 0.0 1.4

130 77.4 61.3 91.9



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





#29

Tetrahydrofuran

Concen: 27.582 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

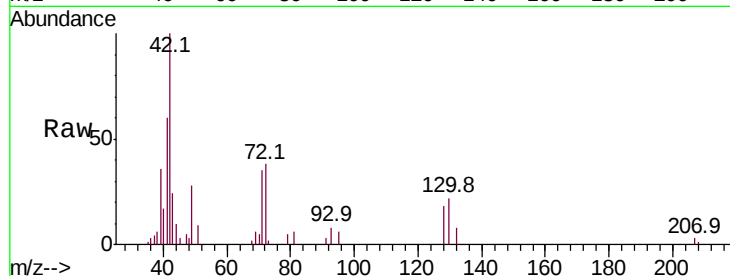
Tot Ion: 42 Resp: 9820

Ion Ratio Lower Upper

42 100

72 39.0 33.6 50.4

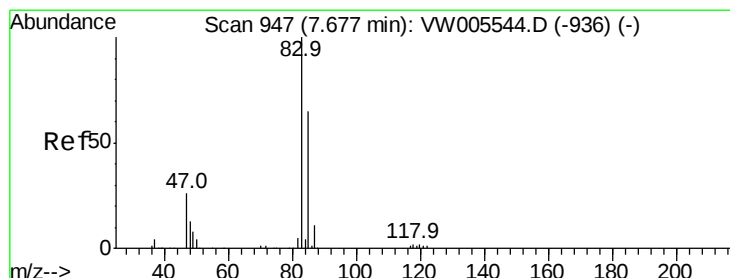
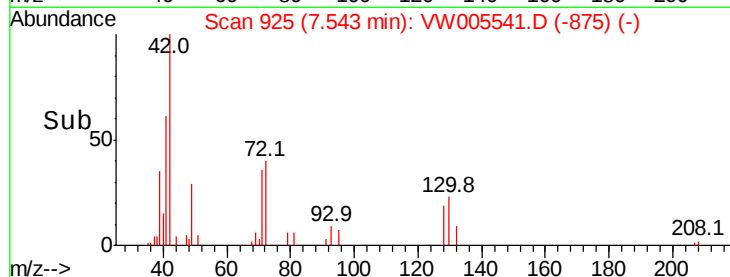
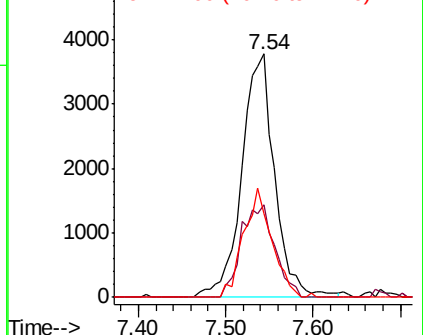
71 38.5 31.8 47.6



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 5.804 ug/l

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW005541.D

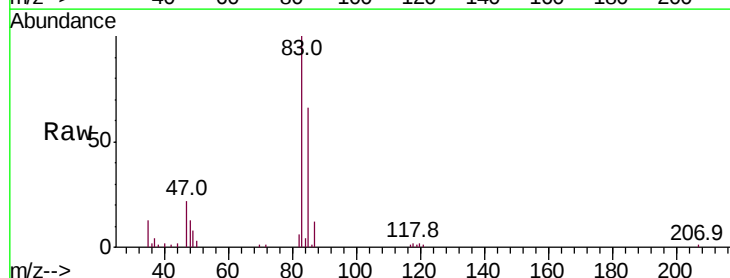
Acq: 20 Sep 2018 20:36

Tgt Ion: 83 Resp: 23250

Ion Ratio Lower Upper

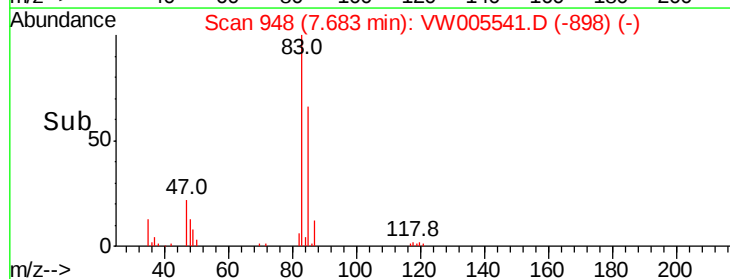
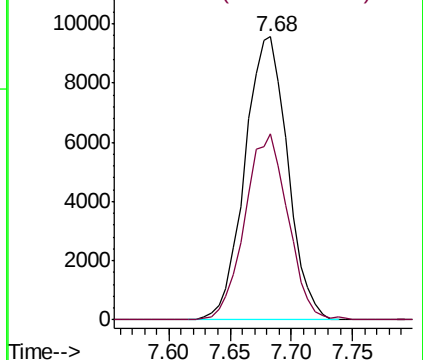
83 100

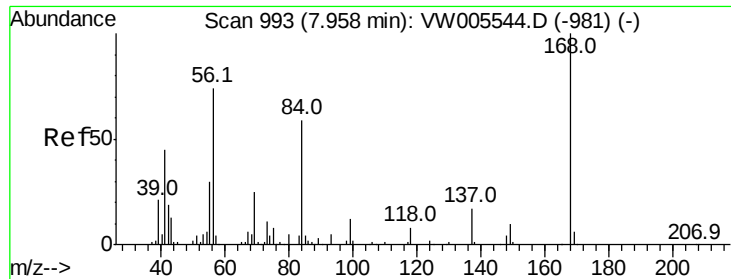
85 65.7 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 6.652 ug/l

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

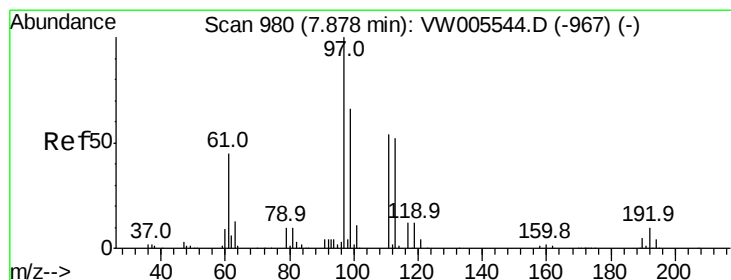
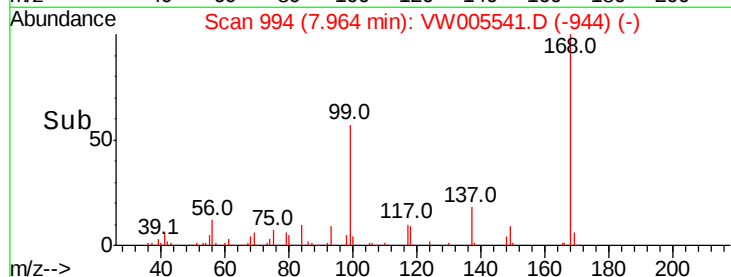
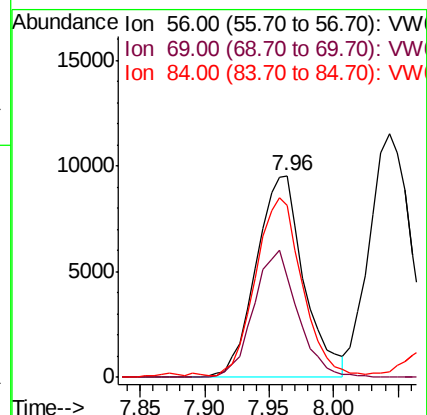
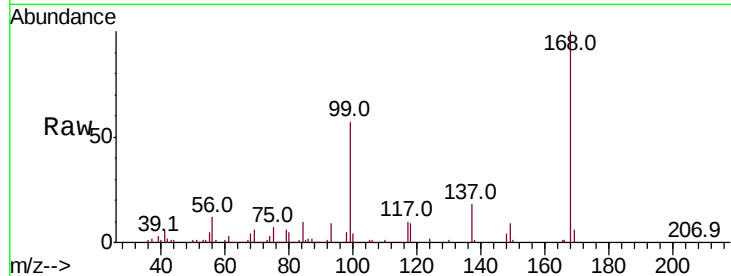
Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 24514

Ion	Ratio	Lower	Upper
56	100		
69	49.6	27.0	40.4#
84	83.5	64.2	96.4



#32

1,1,1-Trichloroethane

Concen: 5.768 ug/l

RT: 7.88 min Scan# 980

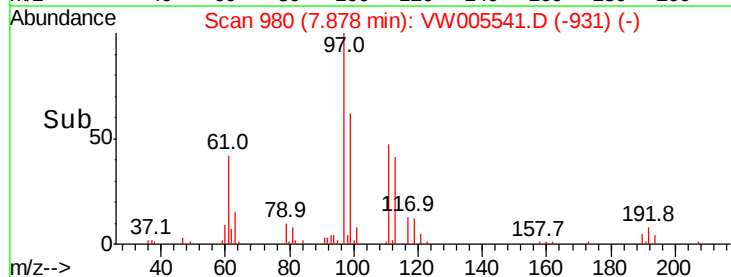
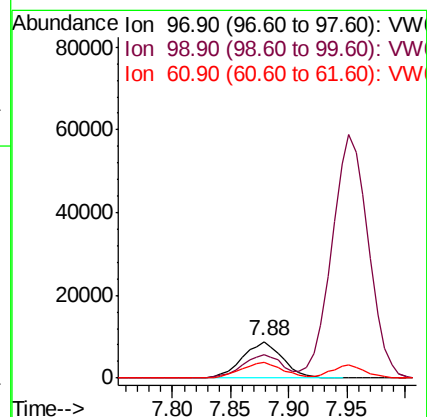
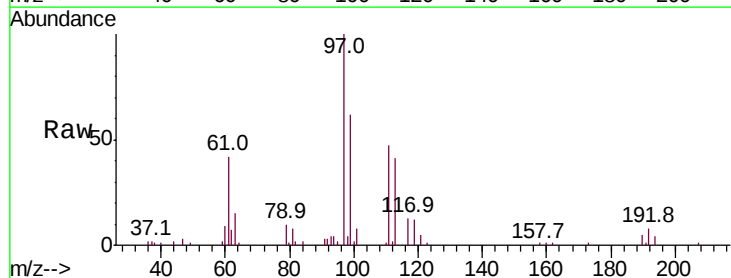
Delta R.T. -0.00 min

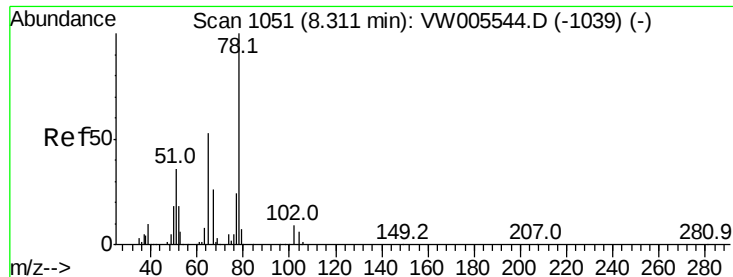
Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Tgt Ion: 97 Resp: 21106

Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.0	76.6
61	44.3	36.2	54.2





#33

1,2-Dichloroethane-d4

Concen: 5.627 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

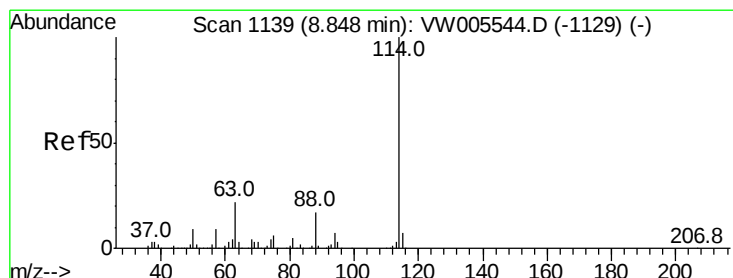
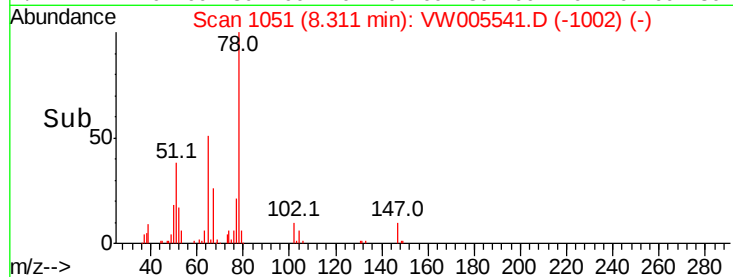
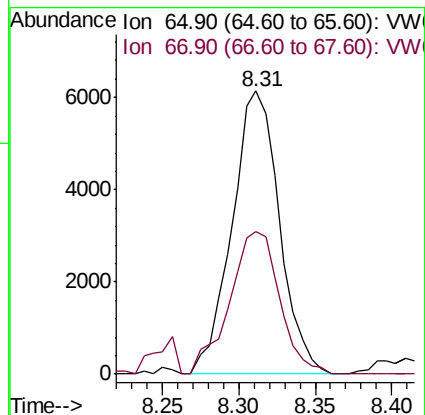
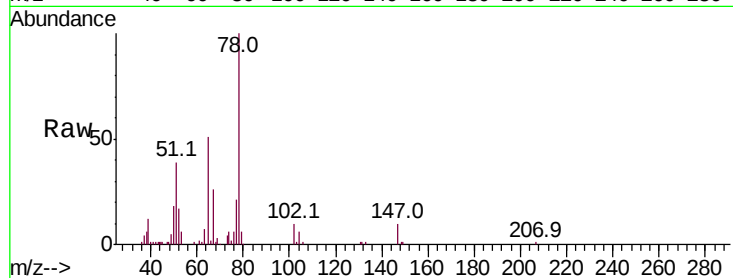
ClientSampleId :

Tot Ion: 65 Resp: 13227

Ion Ratio Lower Upper

65 100

67 53.2 0.0 100.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

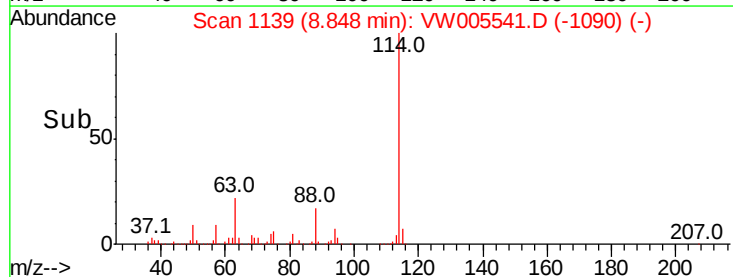
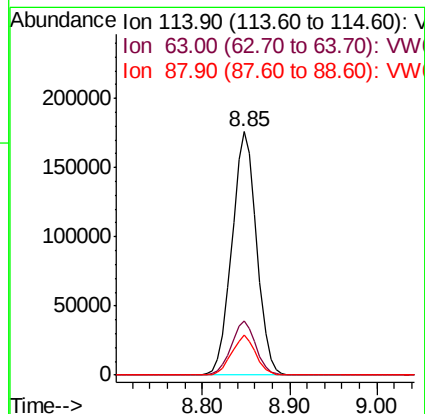
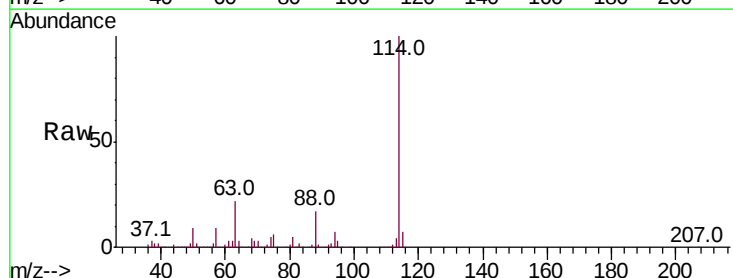
Tgt Ion: 114 Resp: 344497

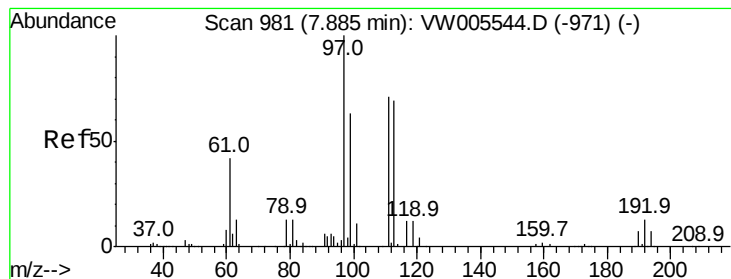
Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.0

88 16.5 0.0 33.0





#35

Dibromofluoromethane

Concen: 5.366 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

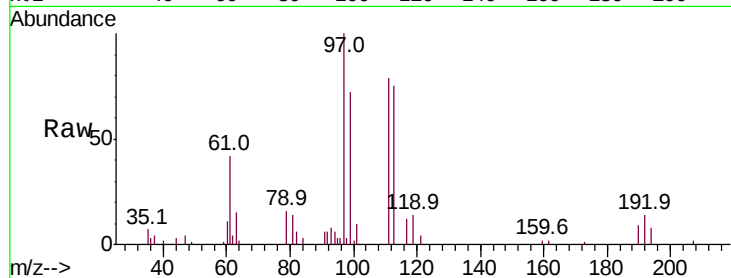
Tot Ion:113 Resp: 10698

Ion Ratio Lower Upper

113 100

111 107.8 82.6 123.8

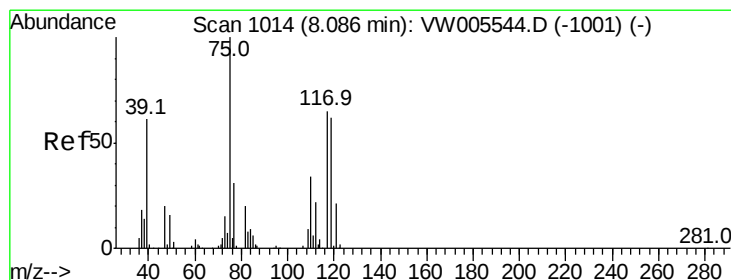
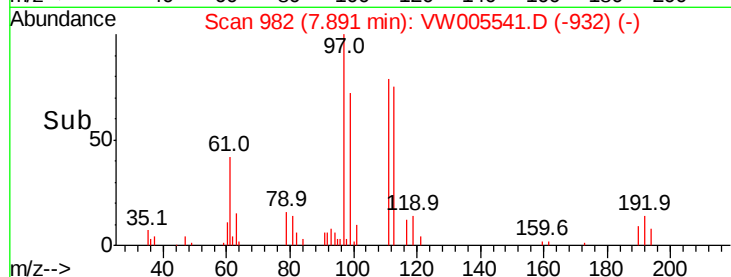
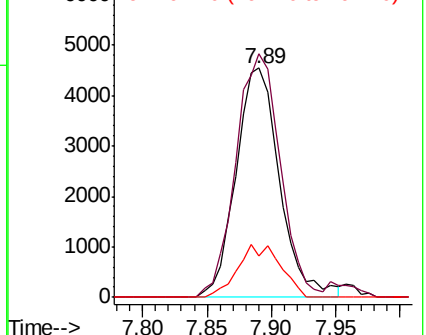
192 22.4 17.0 25.4



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: 5.510 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

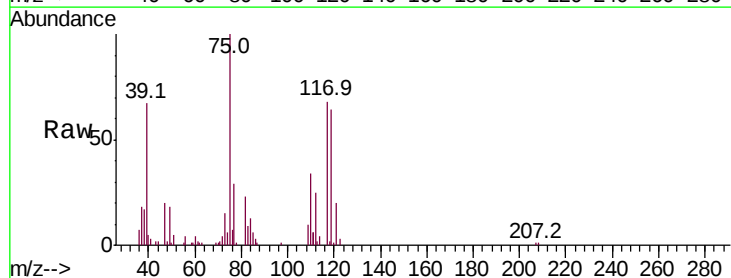
Tgt Ion: 75 Resp: 18262

Ion Ratio Lower Upper

75 100

110 34.2 17.0 50.9

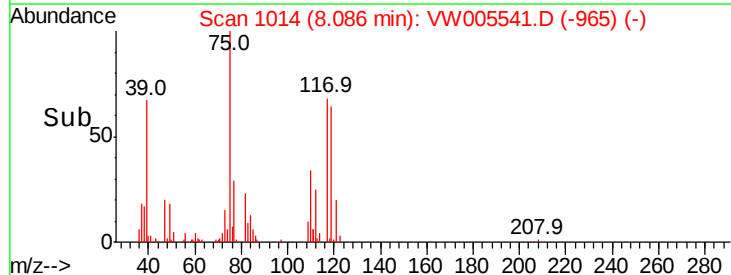
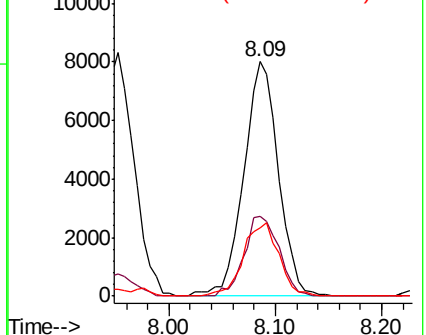
77 32.1 24.8 37.2

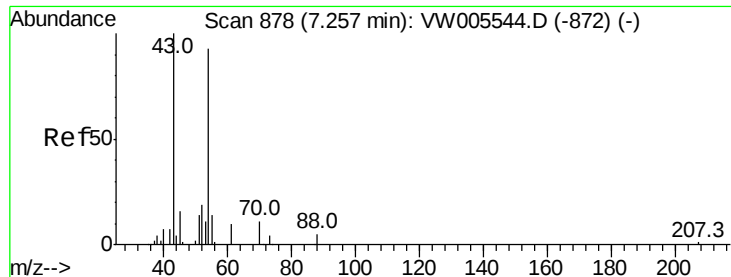


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

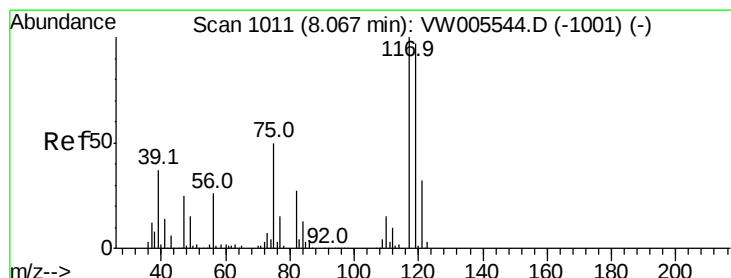
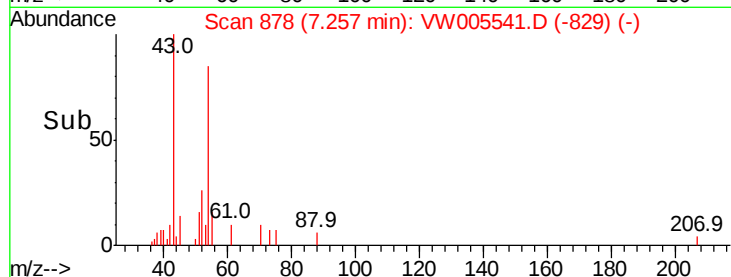
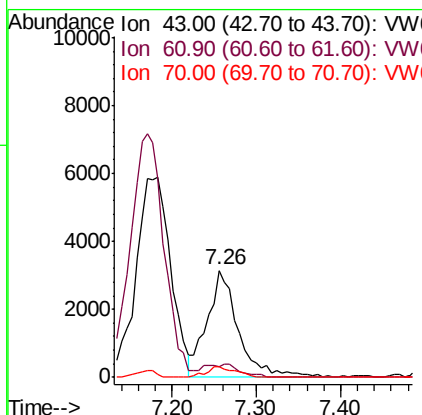
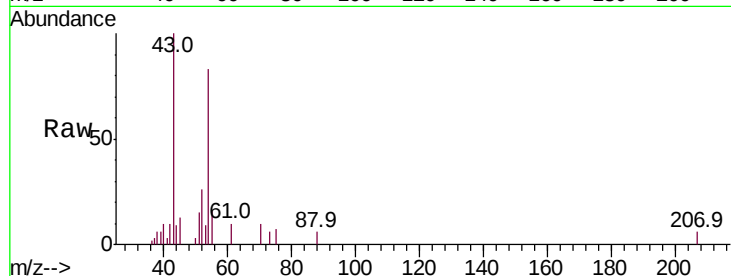




#37
Ethyl Acetate
Concen: 5.994 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

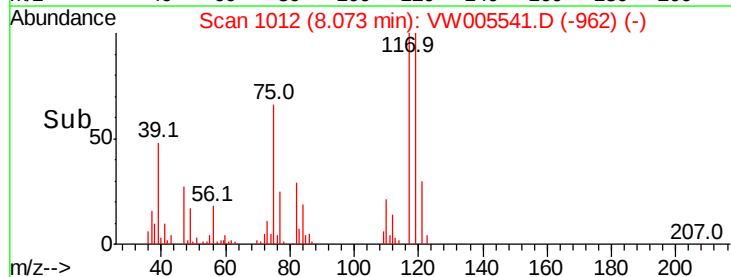
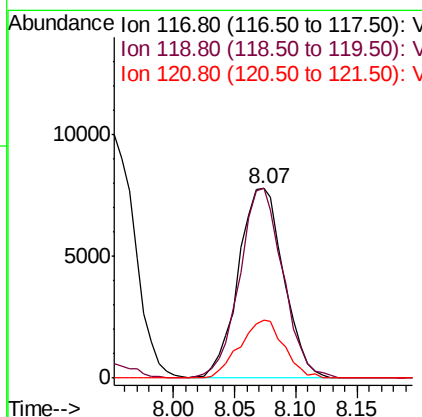
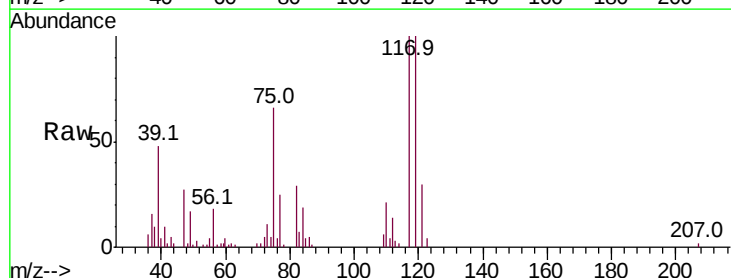
Instrument :
MSVOA_W
ClientSampled :

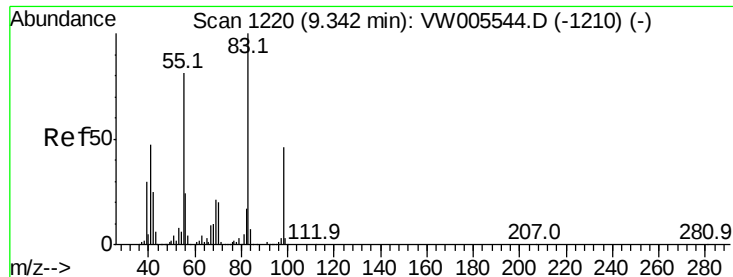
Tot Ion: 43 Resp: 8141
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 9.5 8.2 12.2



#38
Carbon Tetrachloride
Concen: 5.776 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion: 117 Resp: 20077
Ion Ratio Lower Upper
117 100
119 100.1 77.6 116.4
121 30.4 25.7 38.5

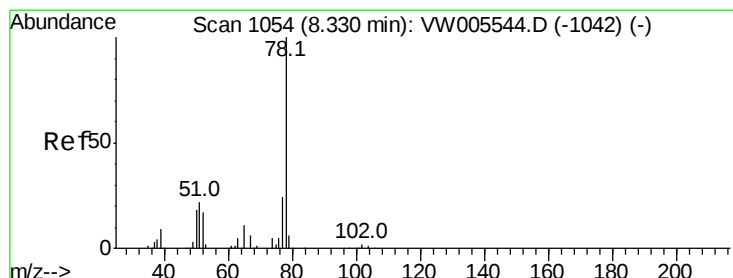
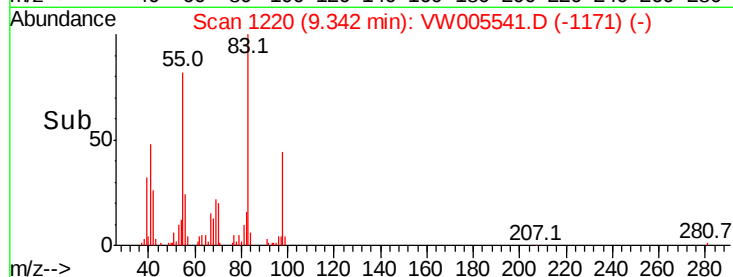
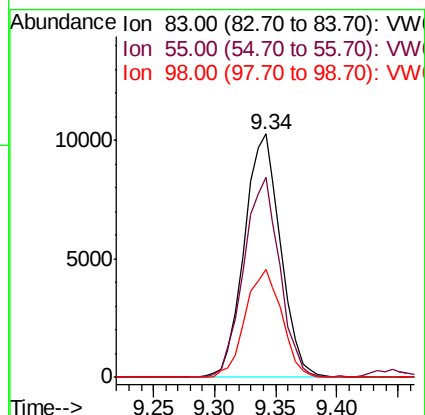
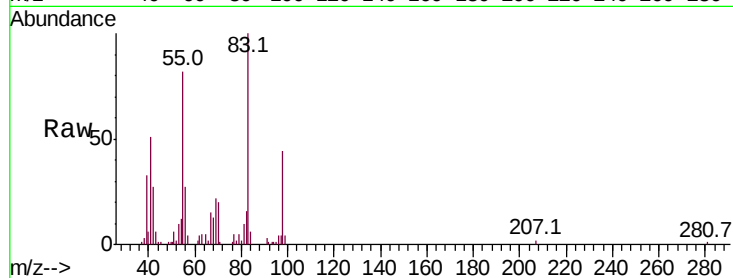




#39
Methvlcvclohexane
Concen: 5.495 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

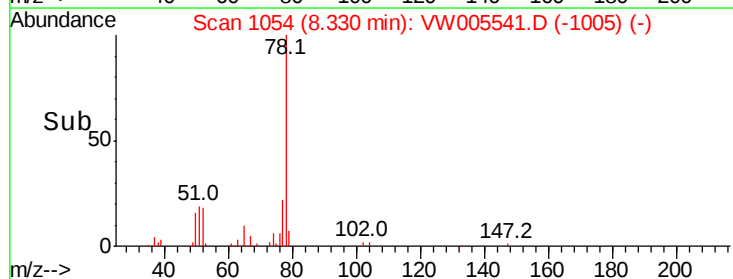
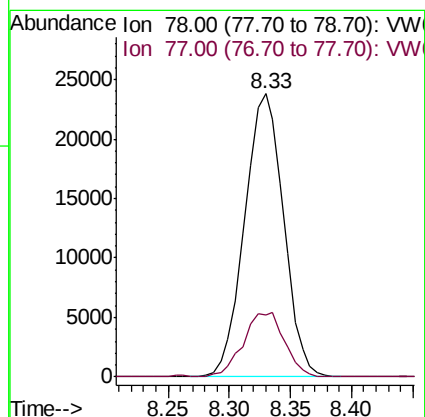
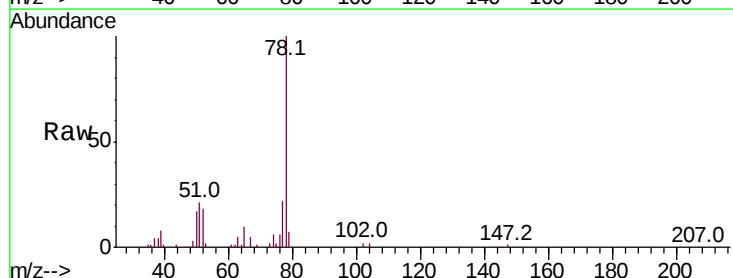
Instrument :
MSVOA_W
ClientSampled :

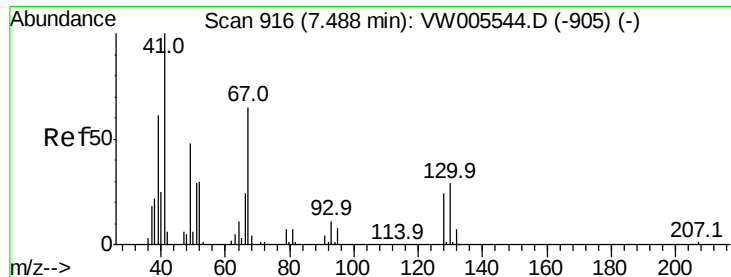
Tot Ion: 83 Resp: 21113
Ion Ratio Lower Upper
83 100
55 82.0 64.6 97.0
98 44.2 37.0 55.6



#40
Benzene
Concen: 5.530 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion: 78 Resp: 52793
Ion Ratio Lower Upper
78 100
77 22.1 19.0 28.4

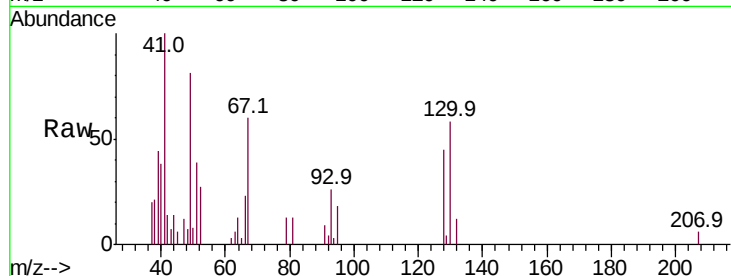




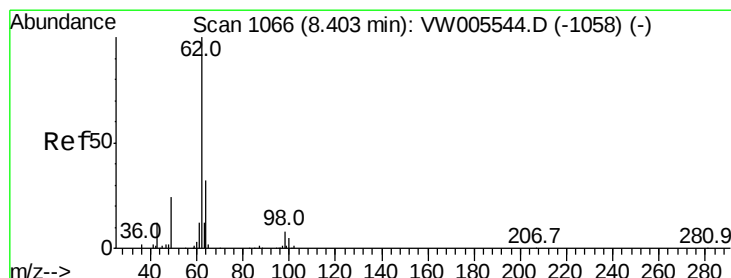
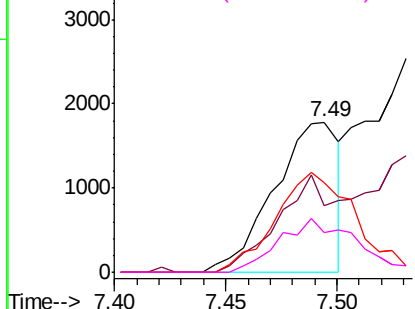
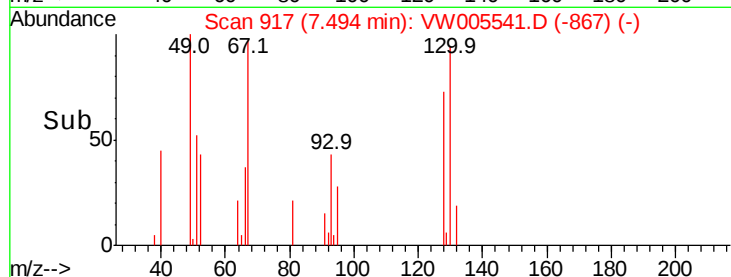
#41
Methacrylonitrile
Concen: 4.443 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 3615
Ion Ratio Lower Upper
41 100
39 55.4 45.4 68.2
67 80.4 55.2 82.8
52 41.6 25.3 37.9#

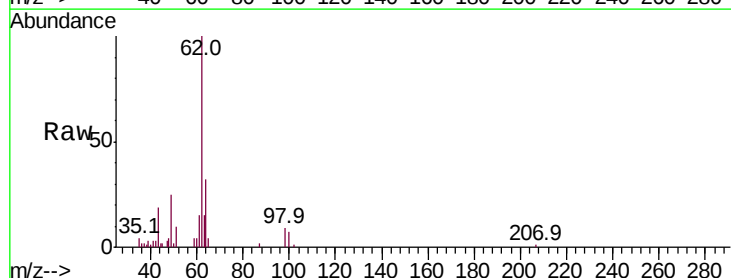


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

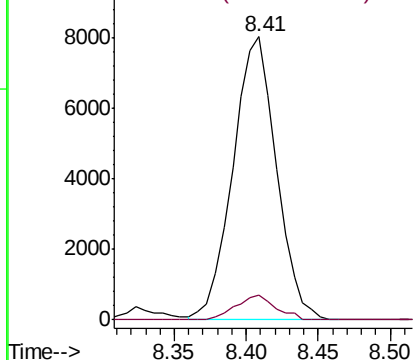
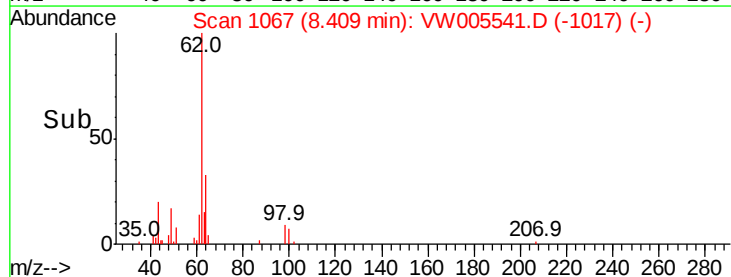


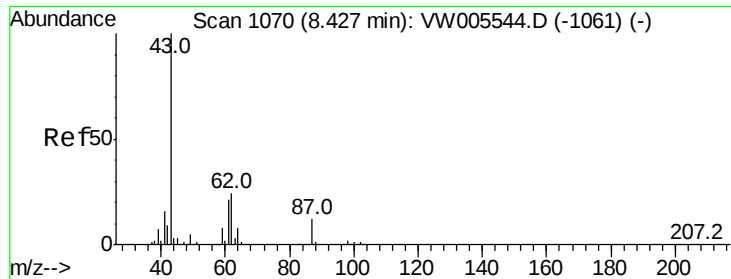
#42
1,2-Dichloroethane
Concen: 5.594 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion: 62 Resp: 16874
Ion Ratio Lower Upper
62 100
98 8.0 0.0 15.6



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





#43

Isopropyl Acetate

Concen: 5.571 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

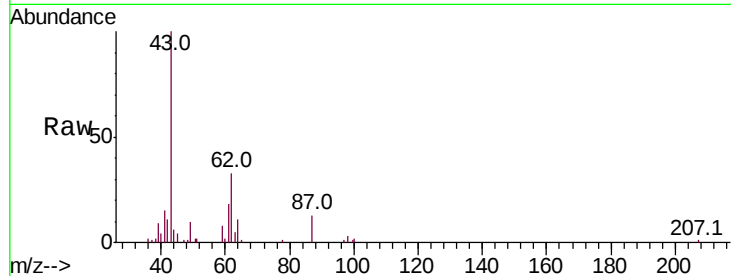
Tot Ion: 43 Resp: 14679

Ion Ratio Lower Upper

43 100

61 29.4 24.1 36.1

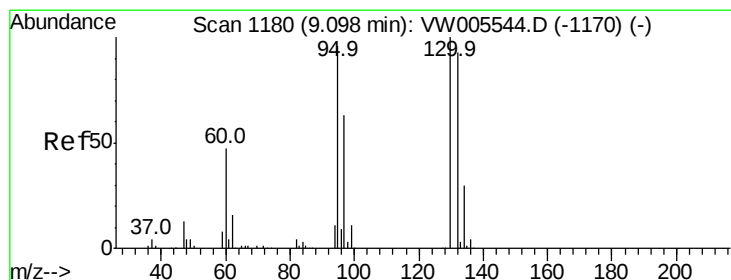
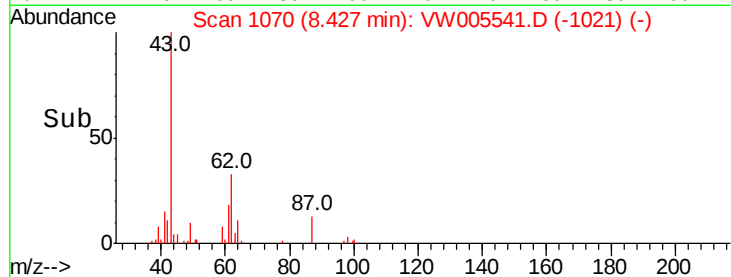
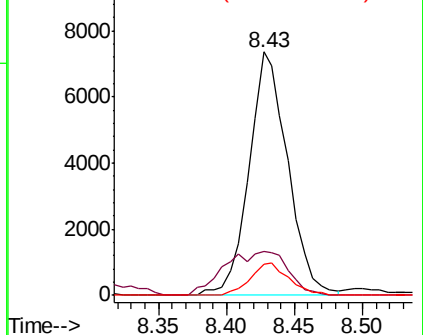
87 13.2 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VW

10000 Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 5.424 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW005541.D

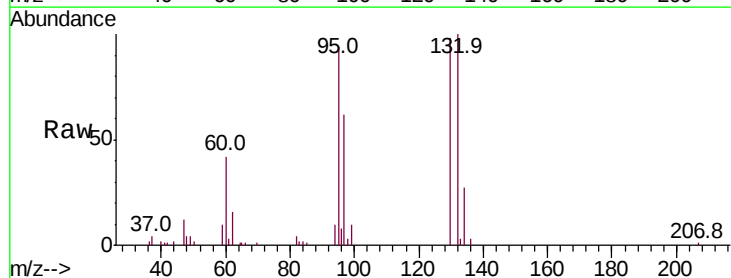
Acq: 20 Sep 2018 20:36

Tgt Ion: 130 Resp: 13331

Ion Ratio Lower Upper

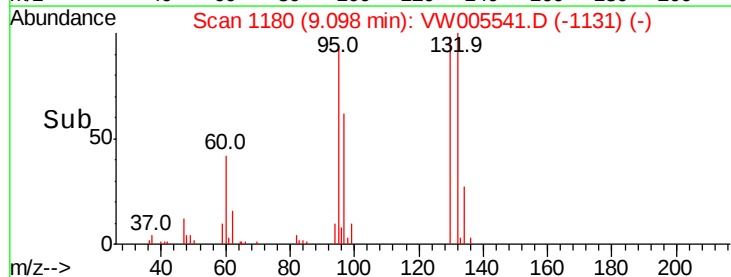
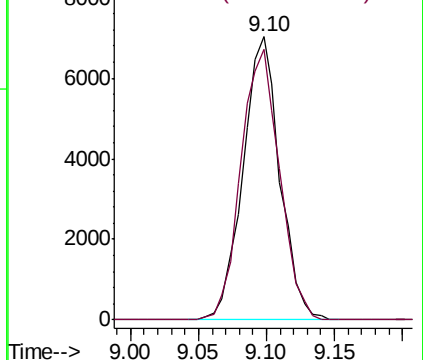
130 100

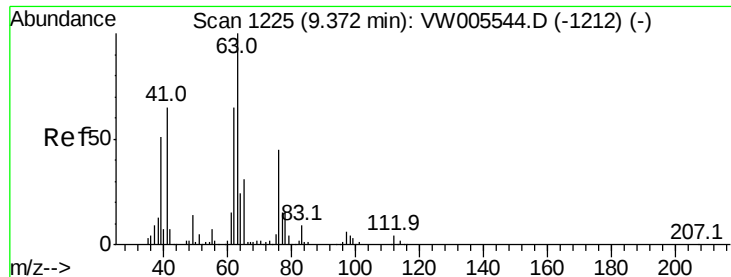
95 95.8 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

8000 Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 5.651 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

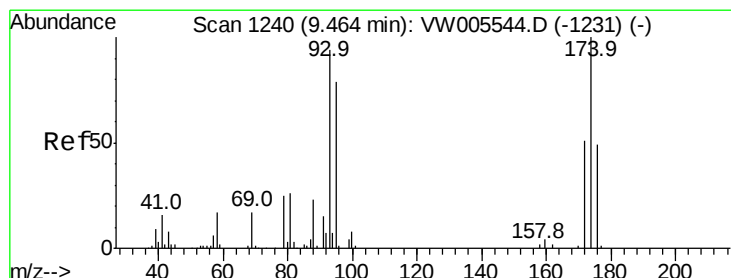
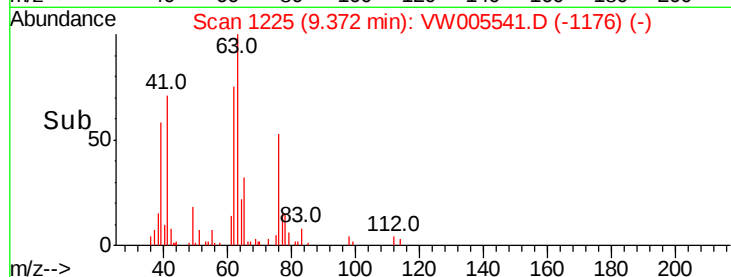
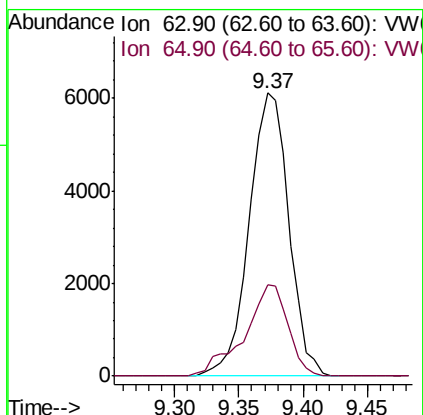
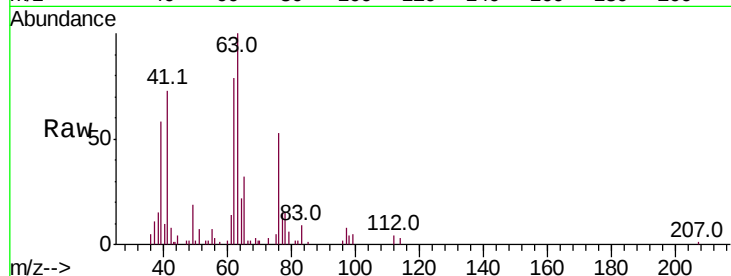
ClientSampleId :

Tot Ion: 63 Resp: 12989

Ion Ratio Lower Upper

63 100

65 32.3 24.7 37.1



#46

Dibromomethane

Concen: 5.667 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

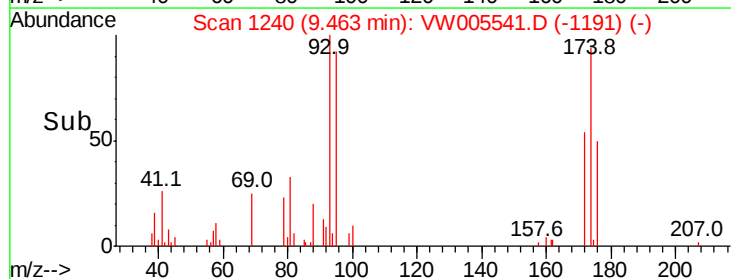
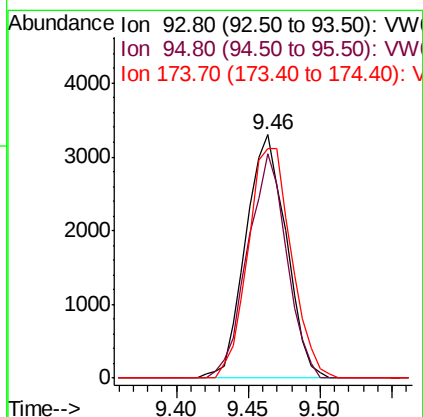
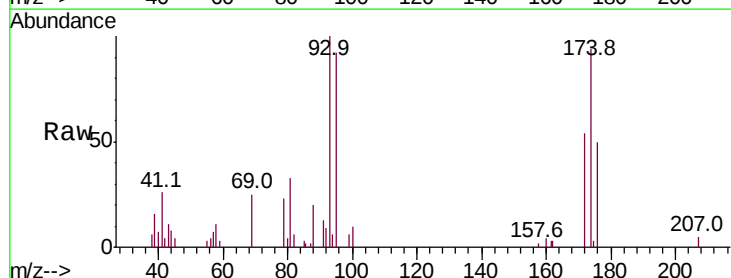
Tgt Ion: 93 Resp: 6437

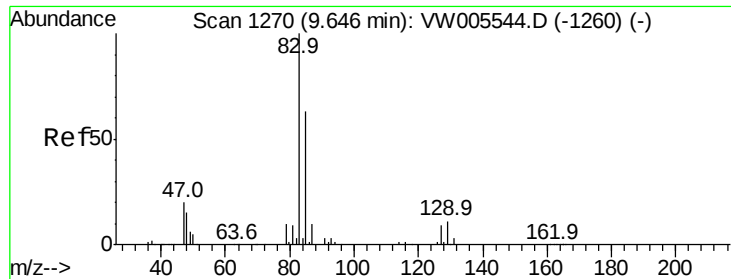
Ion Ratio Lower Upper

93 100

95 88.8 65.8 98.8

174 101.0 84.0 126.0

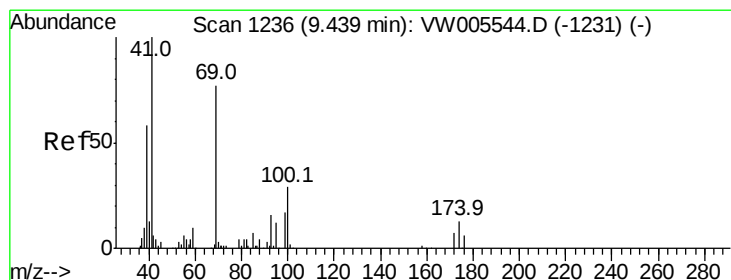
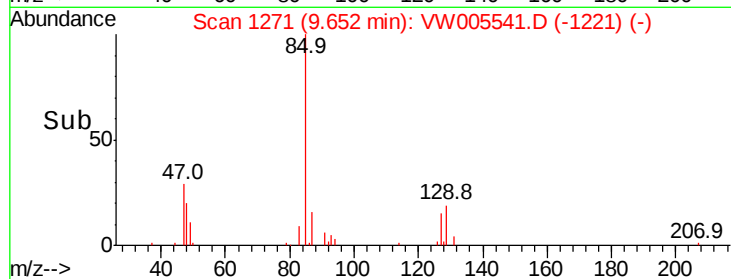
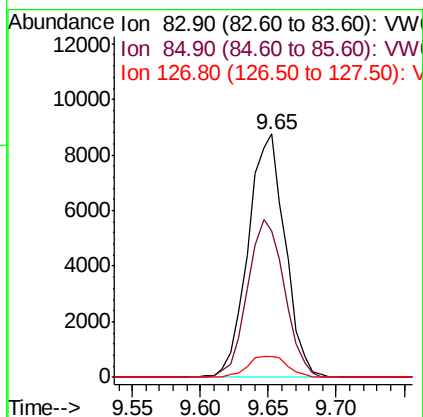
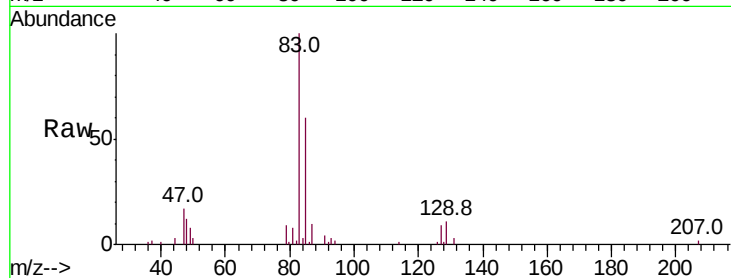




#47
Bromodichloromethane
Concen: 5.442 ug/l
RT: 9.65 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

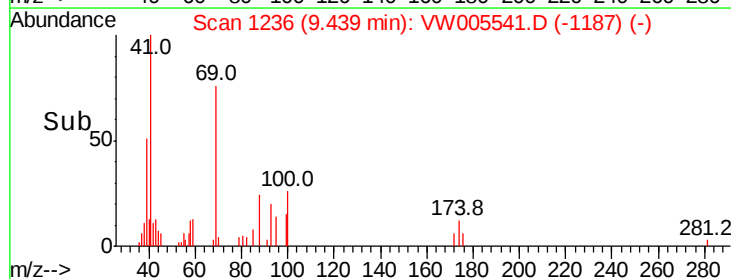
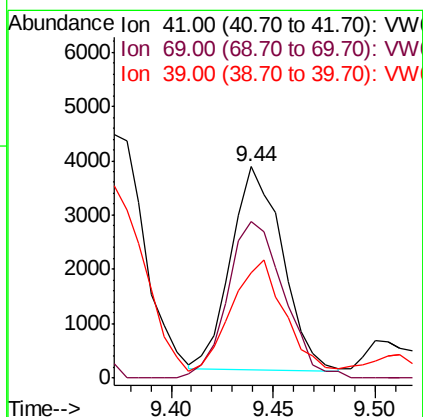
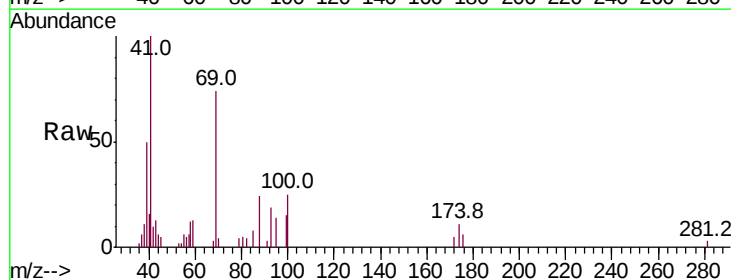
Instrument :
MSVOA_W
ClientSampleId :

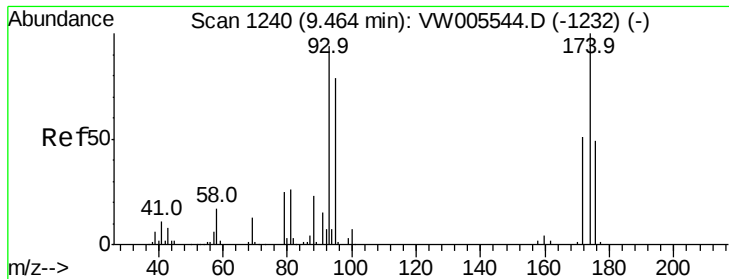
Tot Ion: 83 Resp: 16697
Ion Ratio Lower Upper
83 100
85 59.9 50.5 75.7
127 8.7 7.0 10.6



#48
Methyl methacrylate
Concen: 5.069 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion: 41 Resp: 6607
Ion Ratio Lower Upper
41 100
69 83.5 64.7 97.1
39 63.5 50.5 75.7





#49

1,4-Dioxane

Concen: 107.987 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :

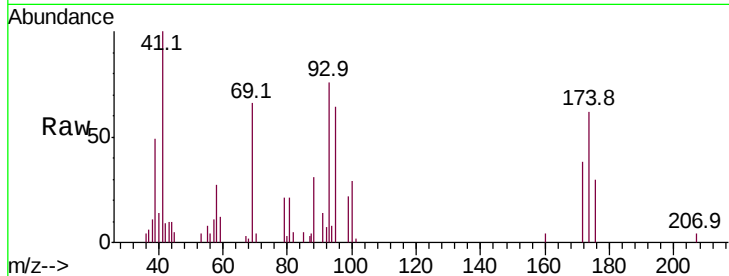
Tot Ion: 88 Resp: 1994

Ion Ratio Lower Upper

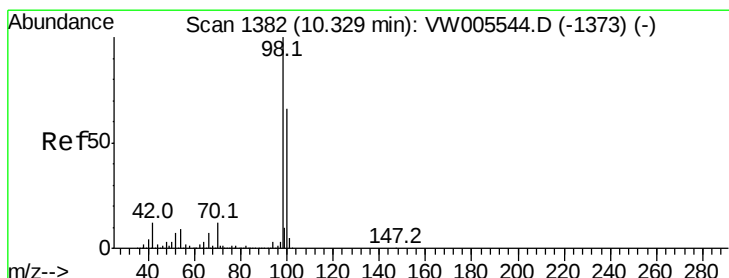
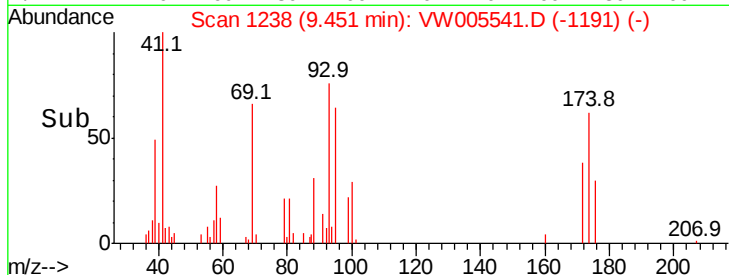
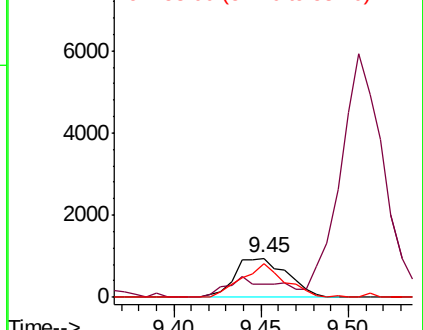
88 100

43 52.8 0.0 0.0#

58 70.6 61.2 91.8



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 4.682 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005541.D

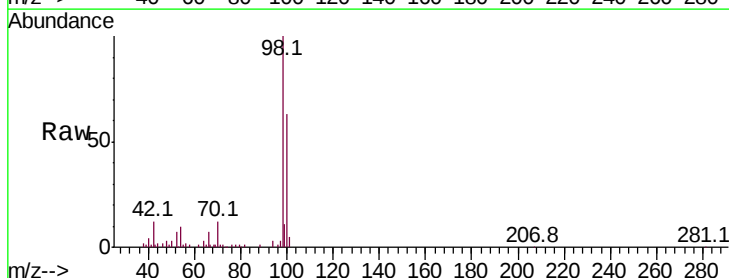
Acq: 20 Sep 2018 20:36

Tgt Ion: 98 Resp: 41646

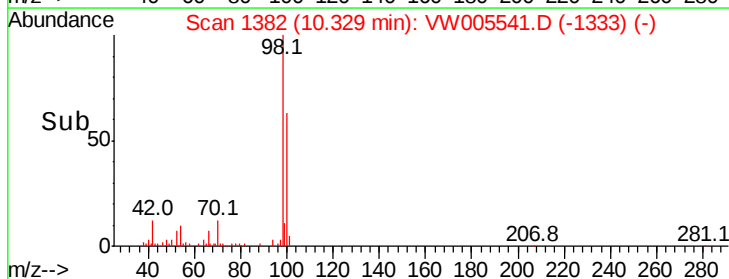
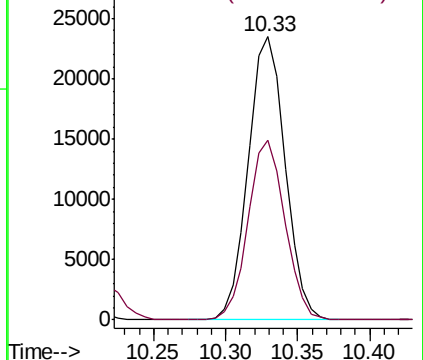
Ion Ratio Lower Upper

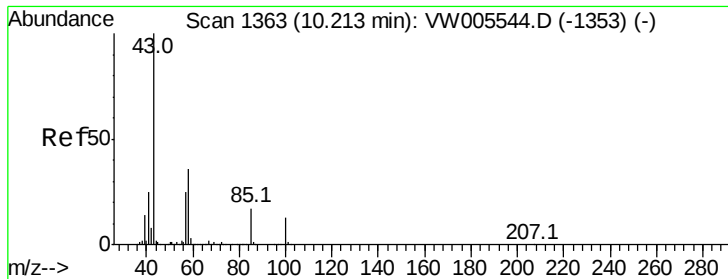
98 100

100 63.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 26.437 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

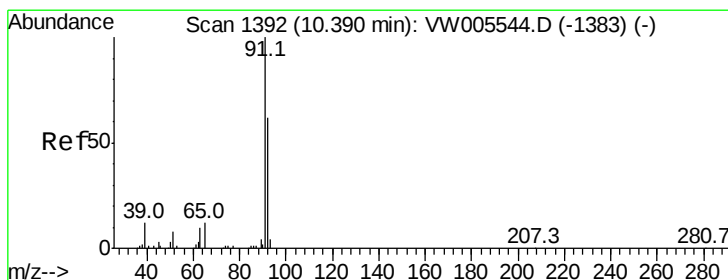
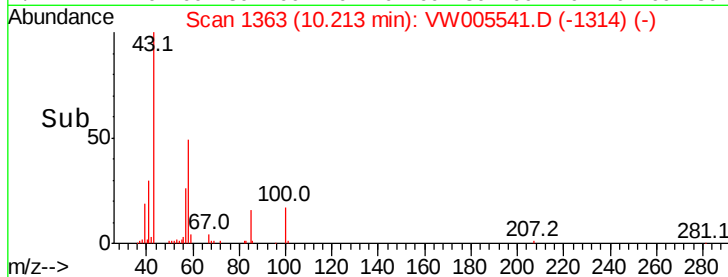
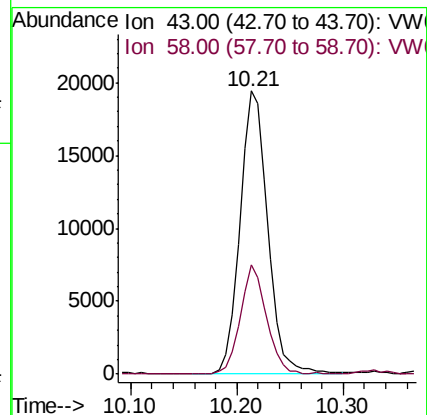
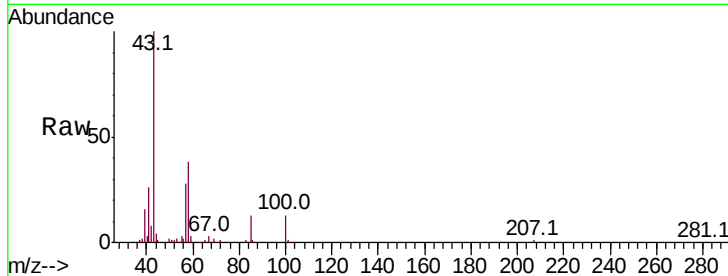
ClientSampleId :

Tot Ion: 43 Resp: 35628

Ion Ratio Lower Upper

43 100

58 36.3 30.0 45.0



#52

Toluene

Concen: 4.873 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005541.D

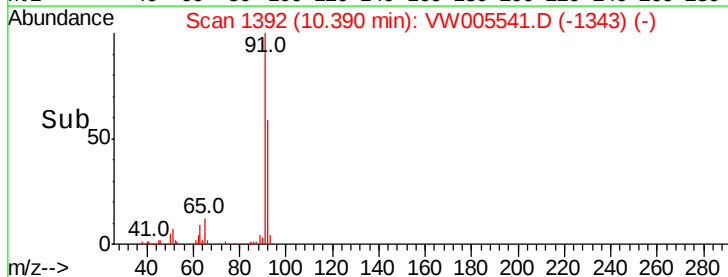
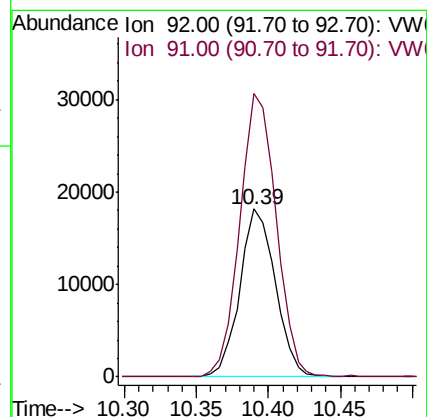
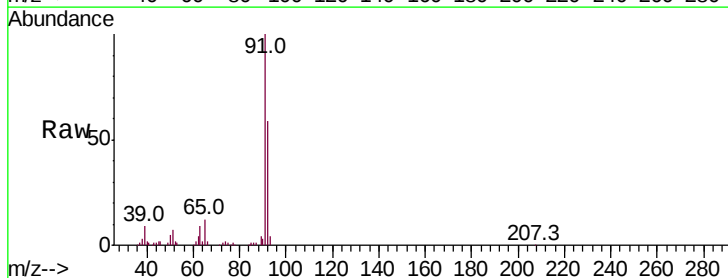
Acq: 20 Sep 2018 20:36

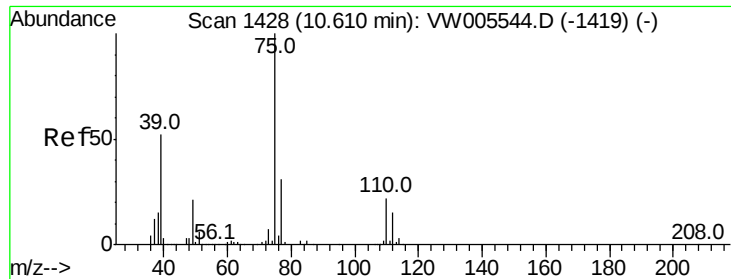
Tgt Ion: 92 Resp: 31040

Ion Ratio Lower Upper

92 100

91 173.7 137.1 205.7

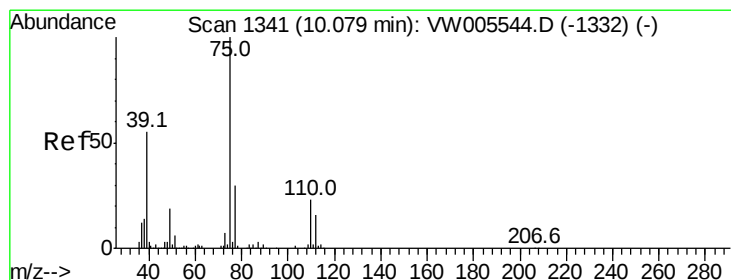
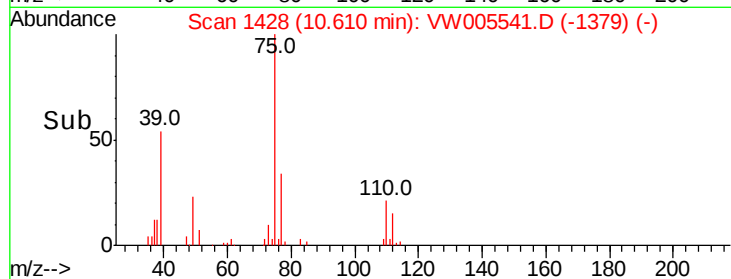
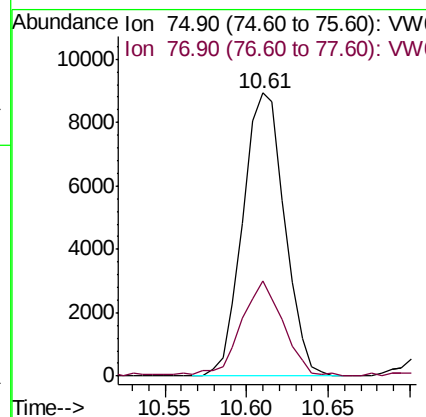
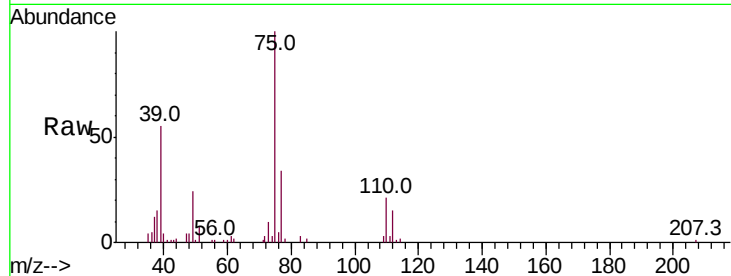




#53
t-1,3-Dichloropropene
Concen: 5.200 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

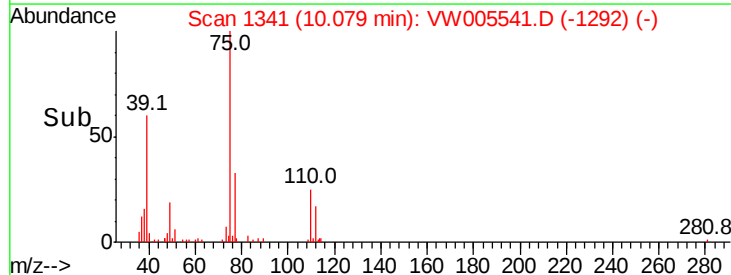
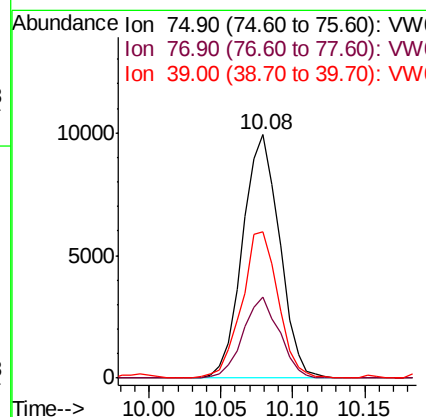
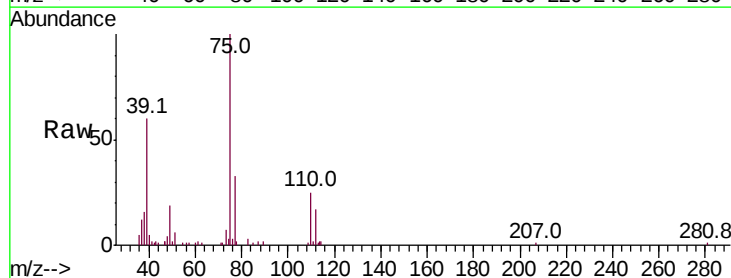
Instrument :
MSVOA_W
ClientSampleId :

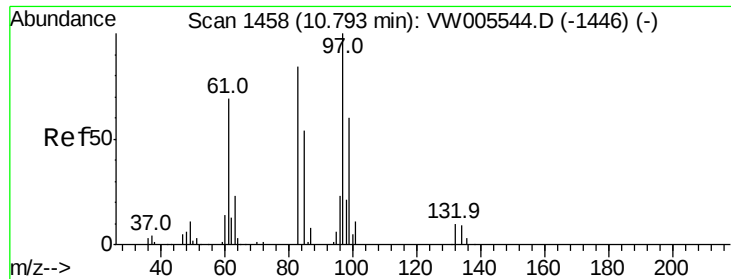
Tot Ion: 75 Resp: 15977
Ion Ratio Lower Upper
75 100
77 33.6 24.6 37.0



#54
cis-1,3-Dichloropropene
Concen: 5.068 ug/l
RT: 10.08 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion: 75 Resp: 17622
Ion Ratio Lower Upper
75 100
77 33.2 24.3 36.5
39 60.0 43.7 65.5

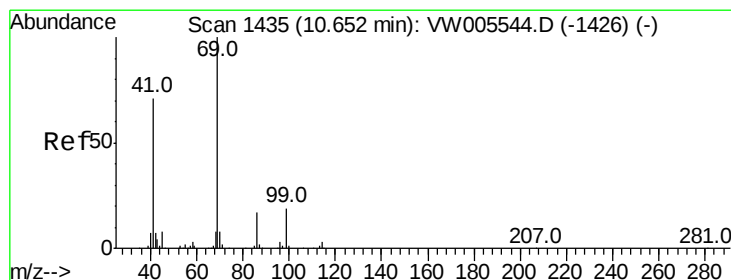
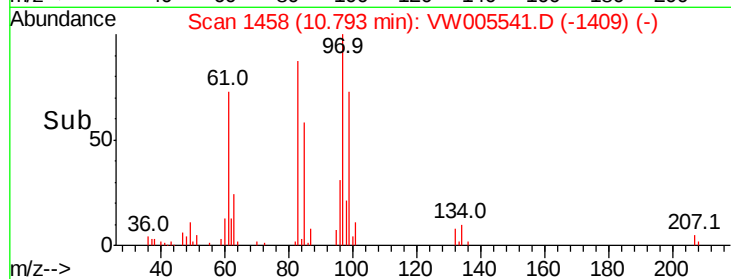
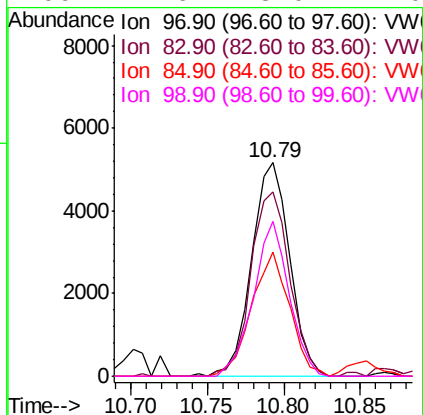
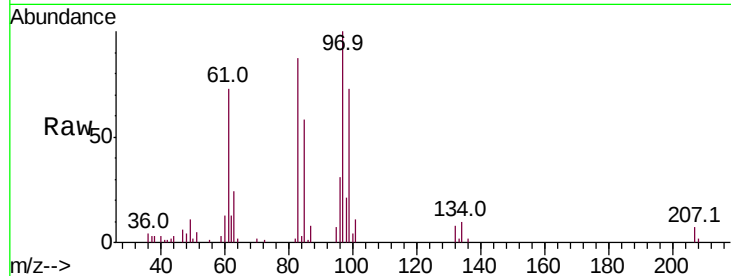




#55
 1,1,2-Trichloroethane
 Concen: 5.318 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

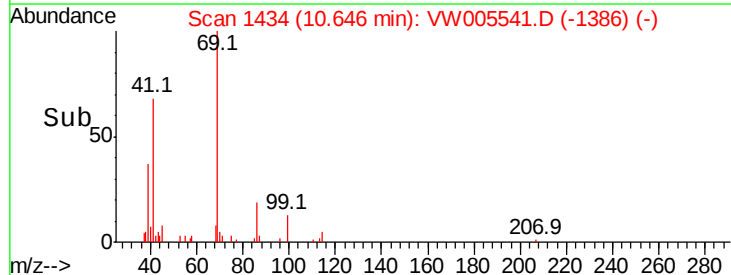
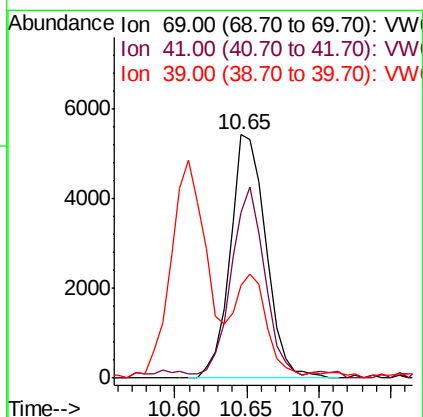
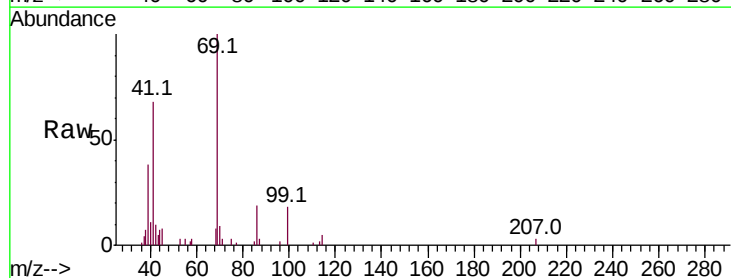
Instrument :
 MSVOA_W
 ClientSampleId :

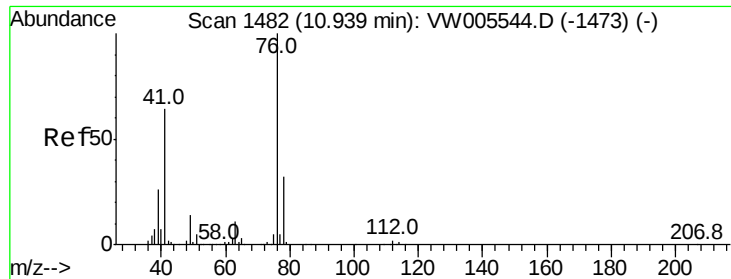
Tot Ion: 97 Resp: 8920
 Ion Ratio Lower Upper
 97 100
 83 86.5 67.4 101.2
 85 57.9 43.3 64.9
 99 72.6 48.0 72.0#



#56
 Ethyl methacrylate
 Concen: 4.468 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Tgt Ion: 69 Resp: 9383
 Ion Ratio Lower Upper
 69 100
 41 71.9 57.3 85.9
 39 36.6 29.2 43.8

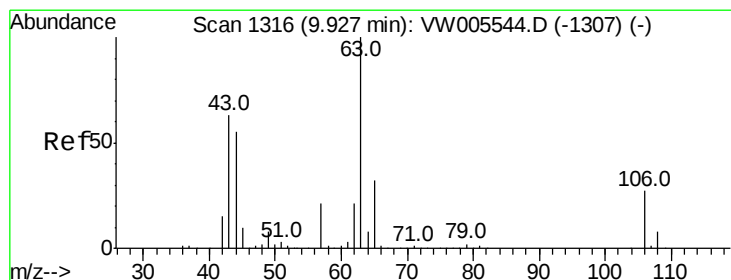
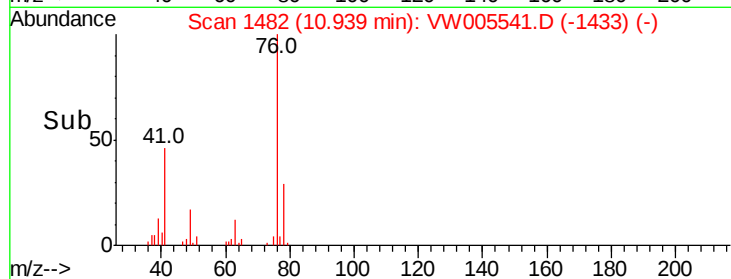
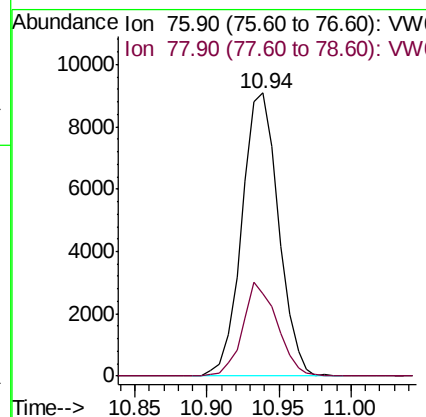
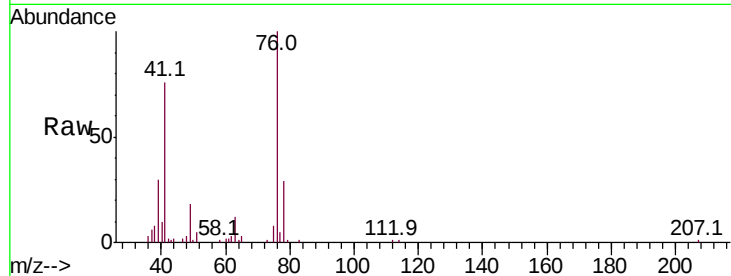




#57
 1,3-Dichloropropane
 Concen: 5.549 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

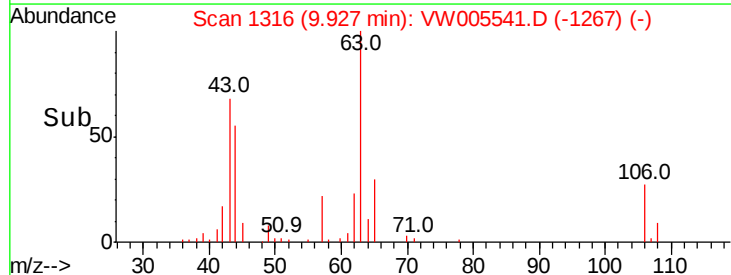
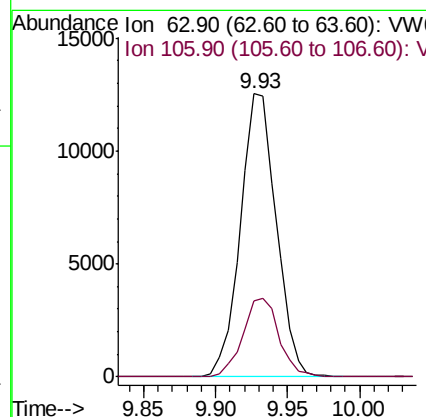
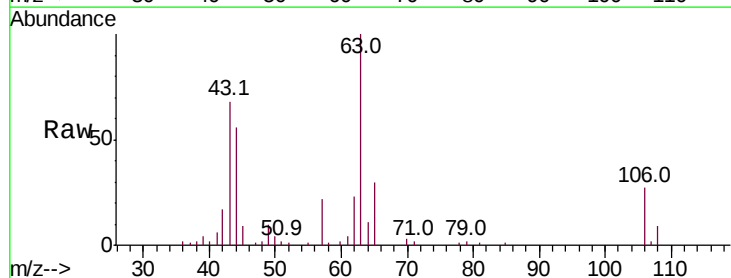
Instrument :
 MSVOA_W
 ClientSampled :

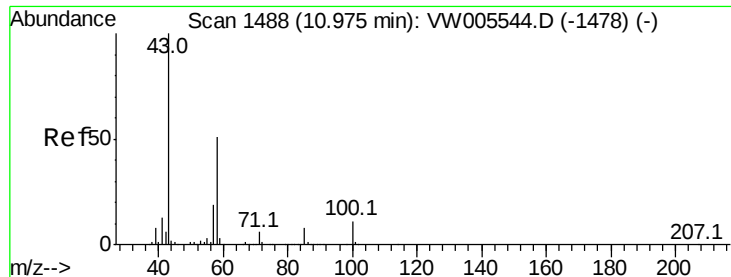
Tot Ion: 76 Resp: 16035
 Ion Ratio Lower Upper
 76 100
 78 31.0 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.638 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Tgt Ion: 63 Resp: 21619
 Ion Ratio Lower Upper
 63 100
 106 27.8 21.6 32.4

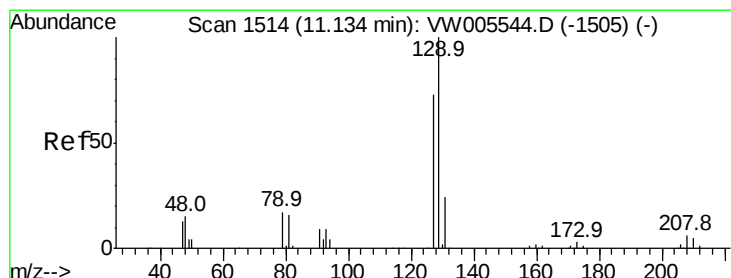
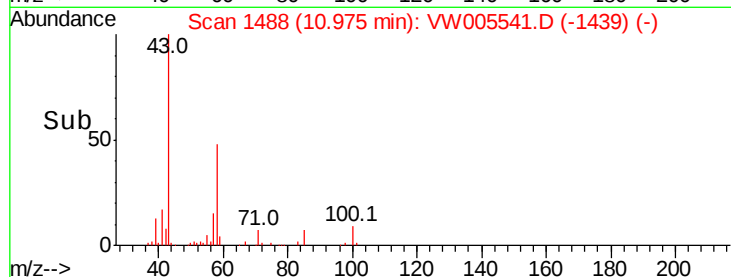
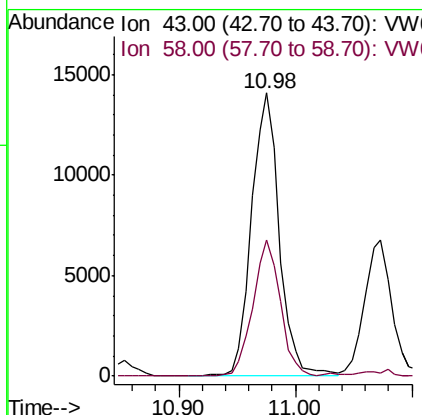
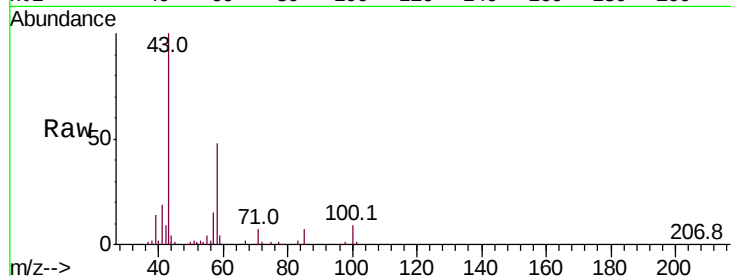




#59
2-Hexanone
Concen: 25.663 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

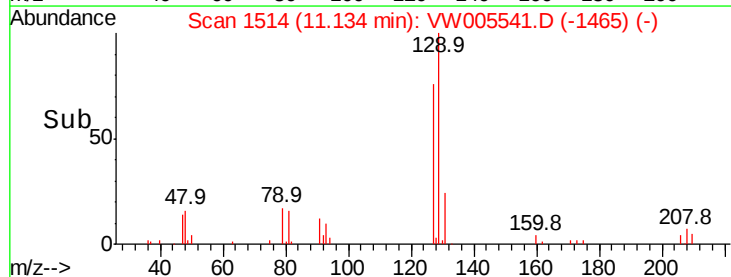
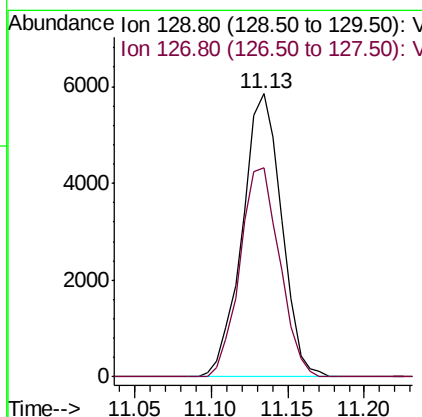
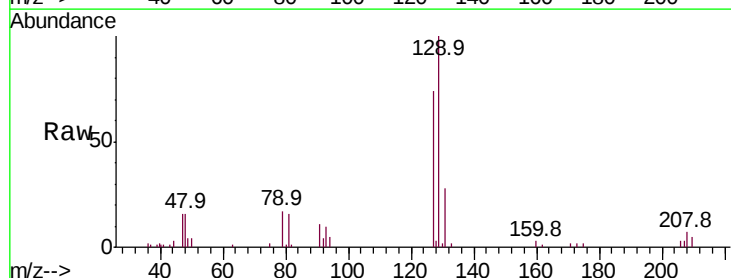
Instrument :
MSVOA_W
ClientSampleId :

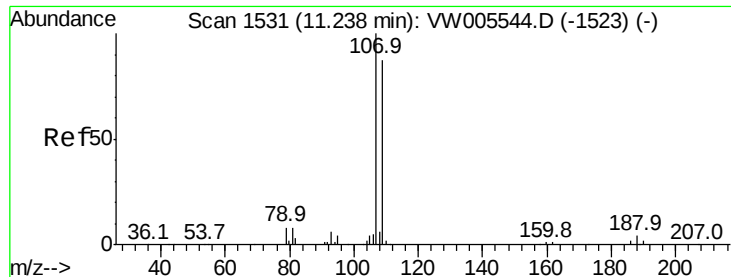
Tot Ion: 43 Resp: 23470
Ion Ratio Lower Upper
43 100
58 47.1 25.3 75.9



#60
Dibromochloromethane
Concen: 5.193 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion: 129 Resp: 10465
Ion Ratio Lower Upper
129 100
127 74.7 38.5 115.5

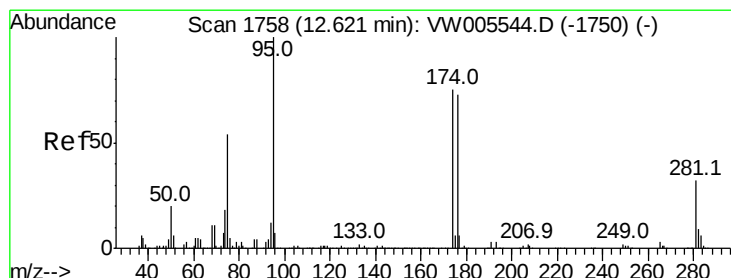
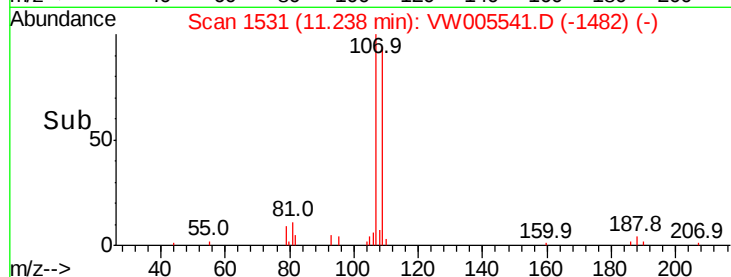
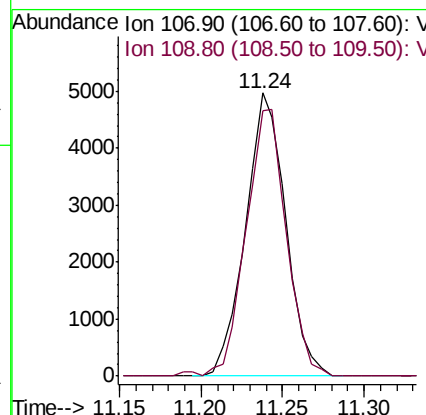
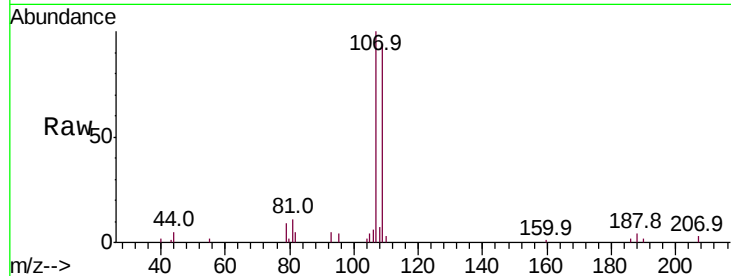




#61
 1,2-Dibromoethane
 Concen: 5.641 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

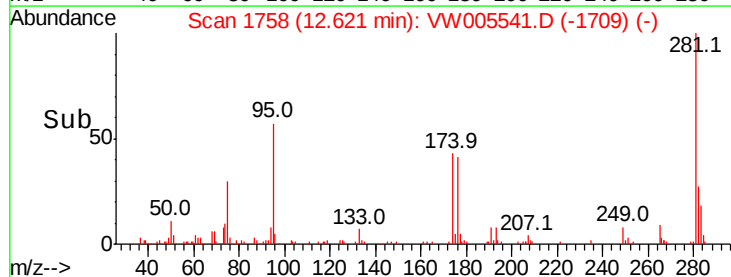
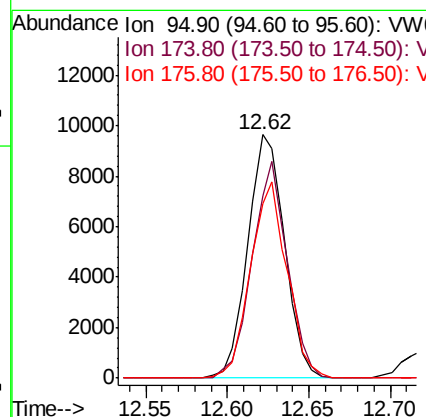
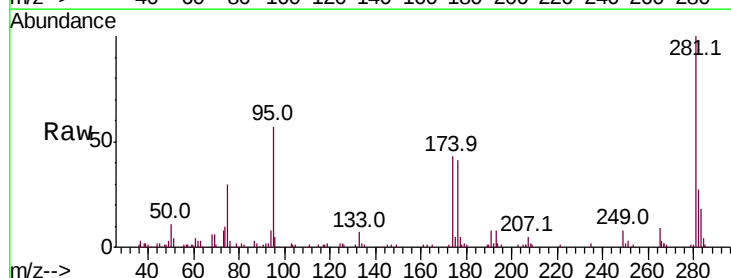
Instrument :
 MSVOA_W
 ClientSampled :

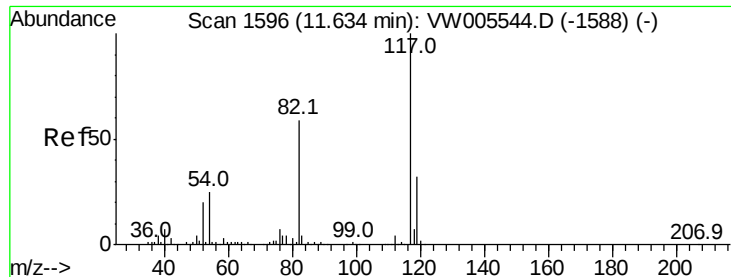
Tot Ion:107 Resp: 8516
 Ion Ratio Lower Upper
 107 100
 109 94.8 73.4 110.0



#62
 4-Bromofluorobenzene
 Concen: 4.655 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Tgt Ion: 95 Resp: 15152
 Ion Ratio Lower Upper
 95 100
 174 85.1 0.0 163.8
 176 80.1 0.0 158.0

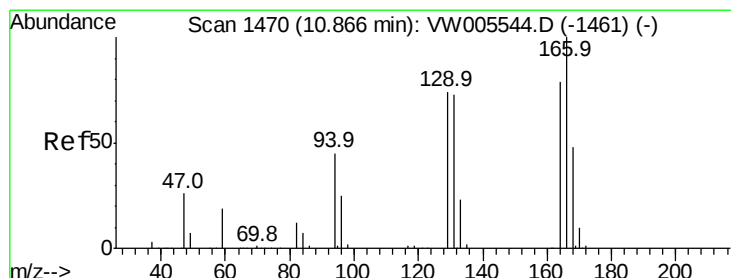
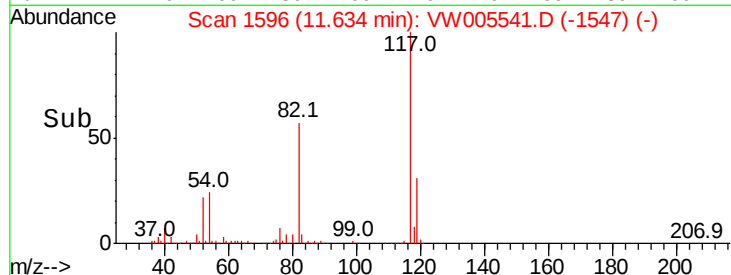
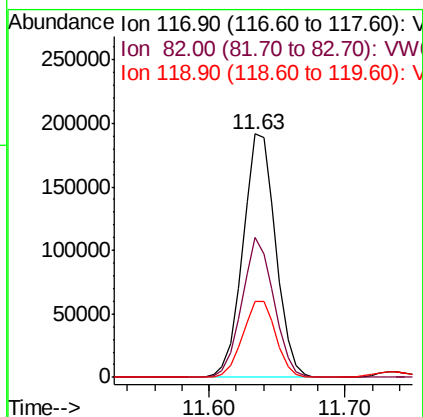
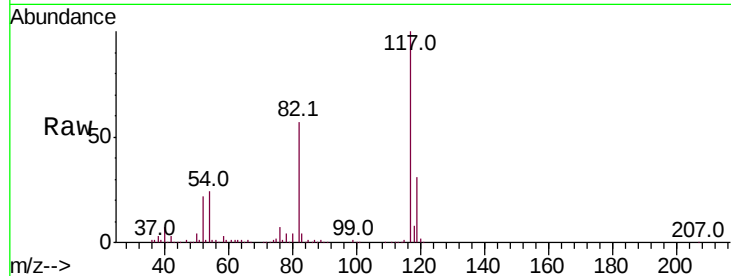




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

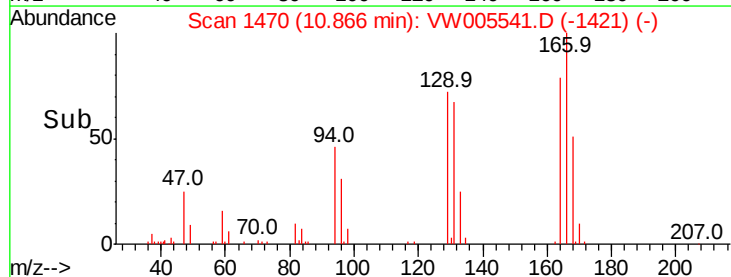
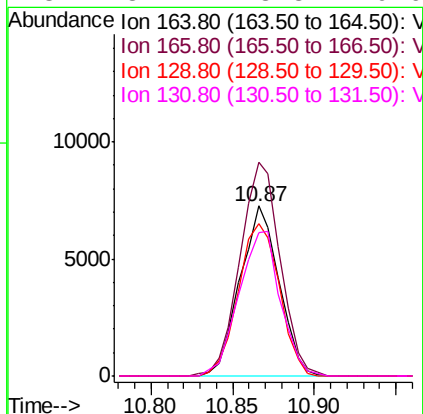
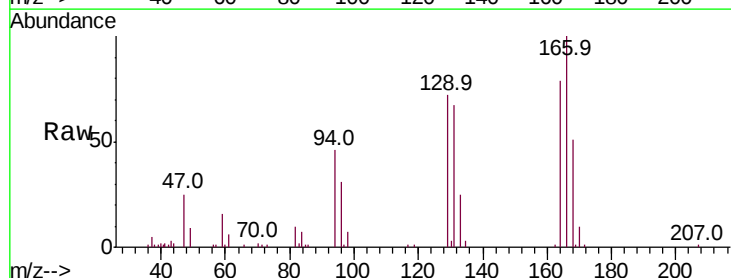
Instrument :
MSVOA_W
ClientSampleId :

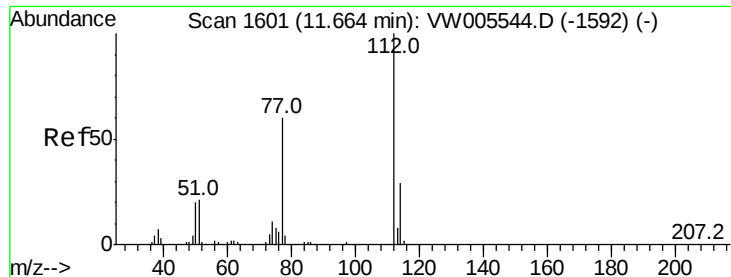
Tot Ion:117 Resp: 322232
Ion Ratio Lower Upper
117 100
82 57.3 46.9 70.3
119 31.3 25.7 38.5



#64
Tetrachloroethene
Concen: 5.133 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion:164 Resp: 12154
Ion Ratio Lower Upper
164 100
166 125.8 101.1 151.7
129 90.0 74.4 111.6
131 84.4 73.8 110.6

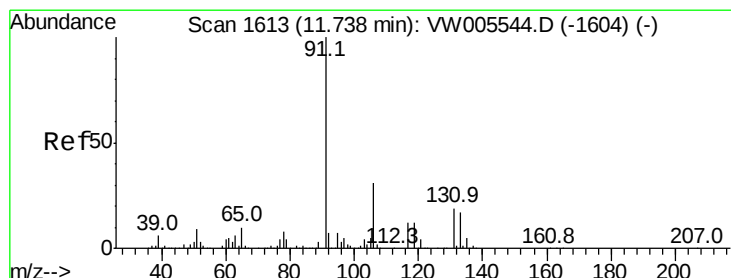
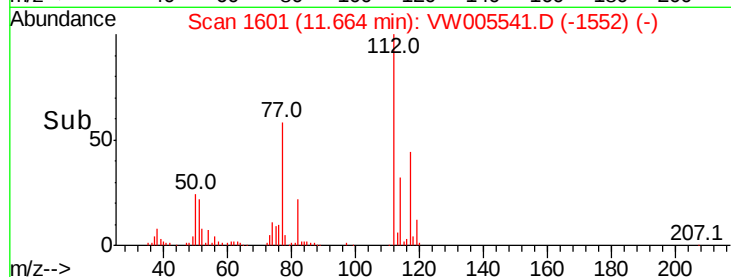
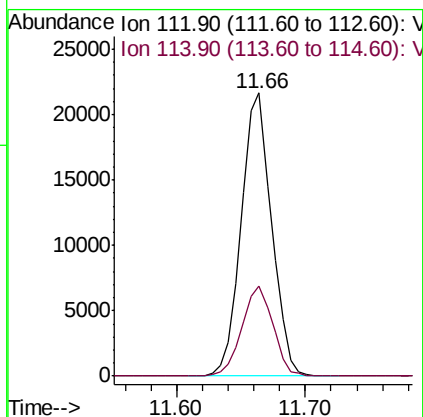
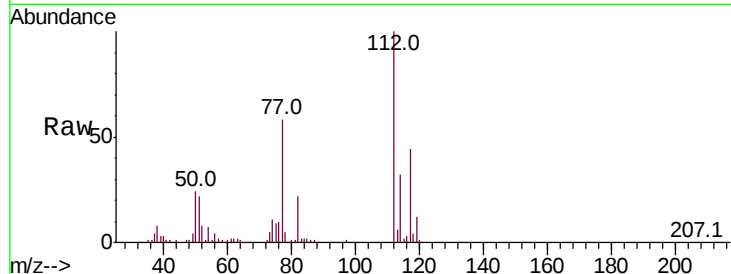




#65
Chlorobenzene
Concen: 5.132 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

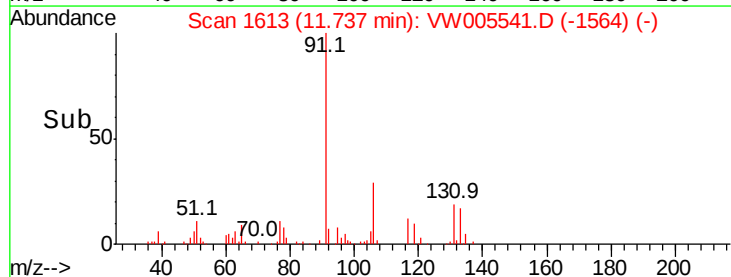
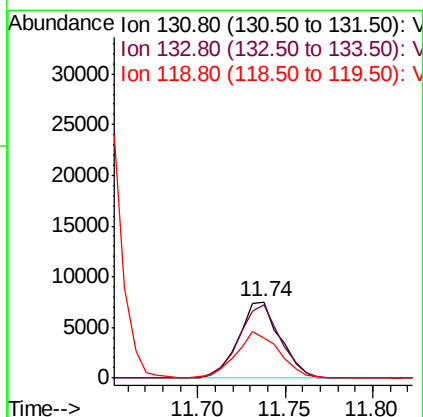
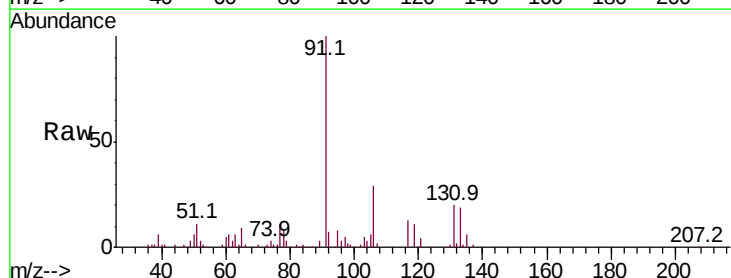
Instrument :
MSVOA_W
ClientSampleId :

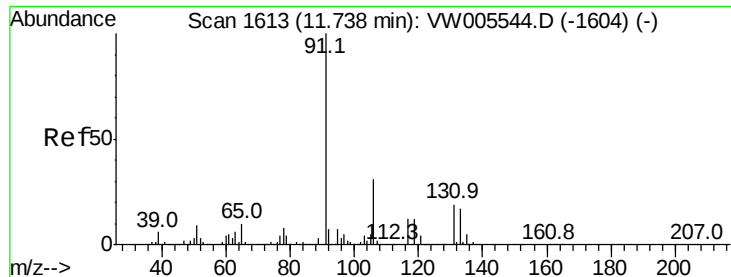
Tot Ion:112 Resp: 35274
Ion Ratio Lower Upper
112 100
114 31.6 22.9 34.3



#66
1,1,1,2-Tetrachloroethane
Concen: 5.491 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion:131 Resp: 12334
Ion Ratio Lower Upper
131 100
133 97.5 47.2 141.6
119 63.9 31.1 93.2

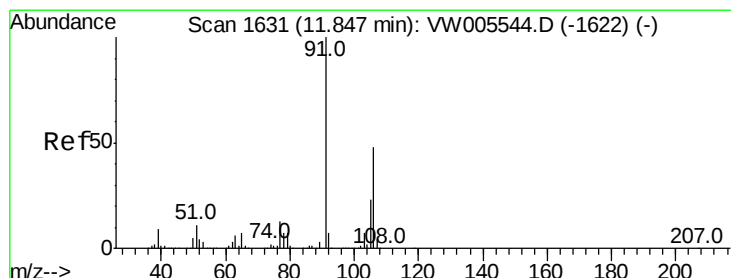
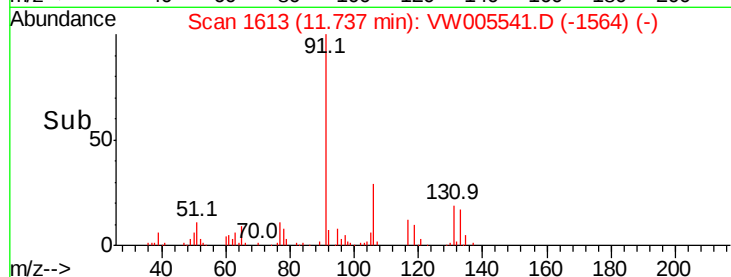
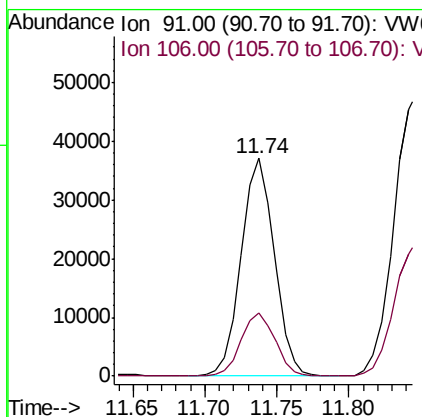
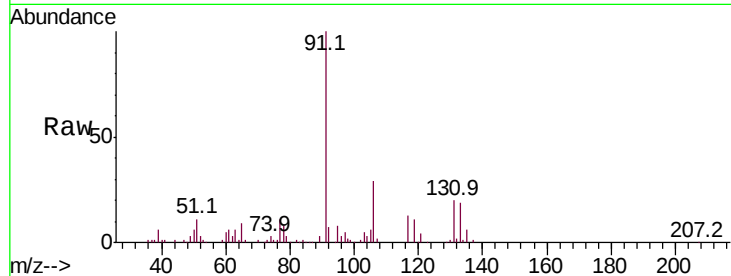




#67
Ethyl Benzene
Concen: 4.905 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

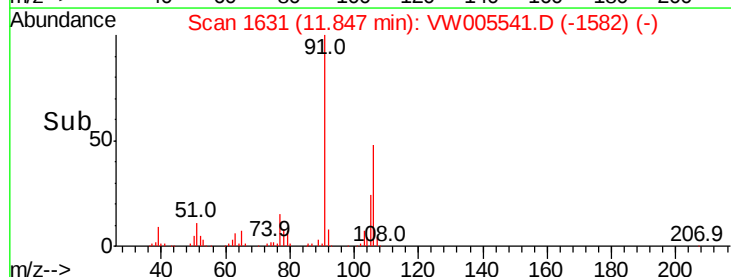
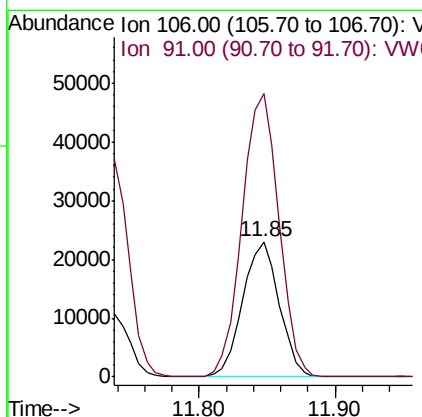
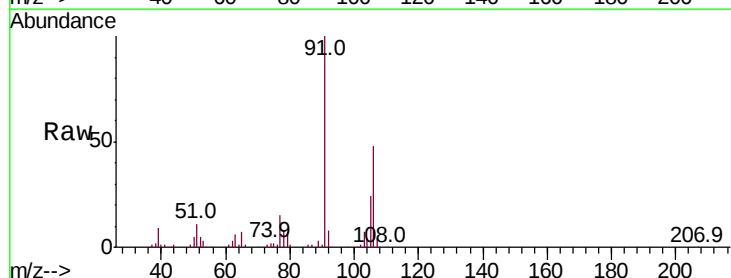
Instrument :
MSVOA_W
ClientSampled :

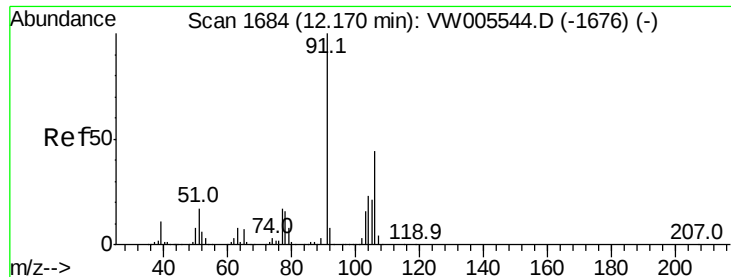
Tot Ion: 91 Resp: 59297
Ion Ratio Lower Upper
91 100
106 28.8 24.4 36.6



#68
m/p-Xylenes
Concen: 9.304 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion:106 Resp: 43195
Ion Ratio Lower Upper
106 100
91 210.9 167.8 251.8

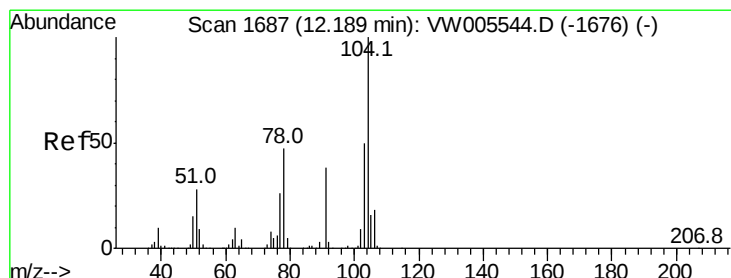
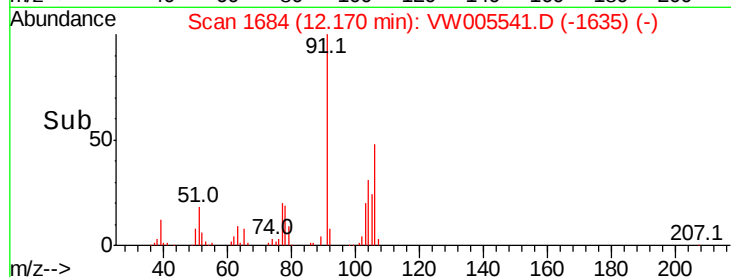
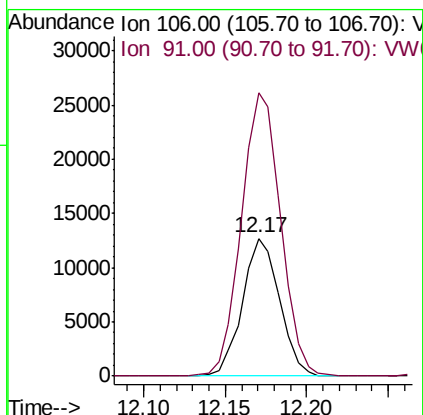
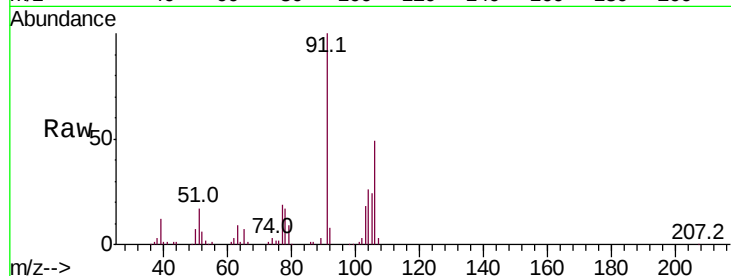




#69
o-Xylene
Concen: 4.650 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

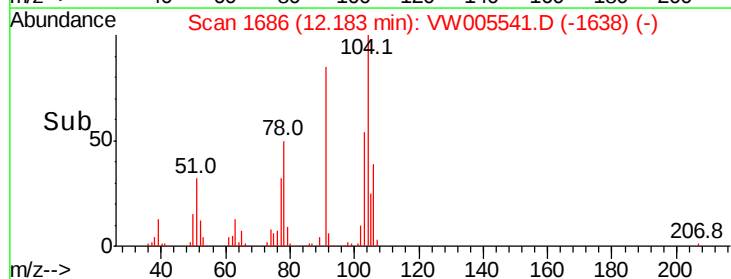
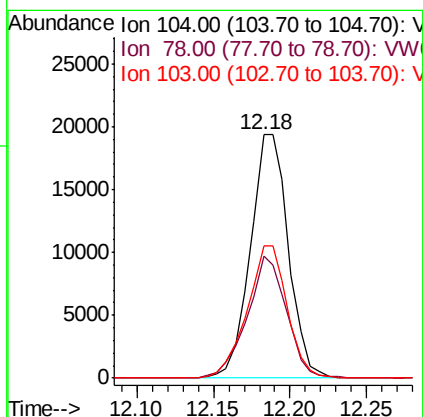
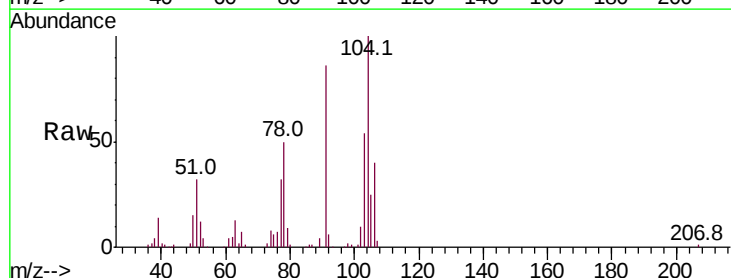
Instrument :
MSVOA_W
ClientSampled :

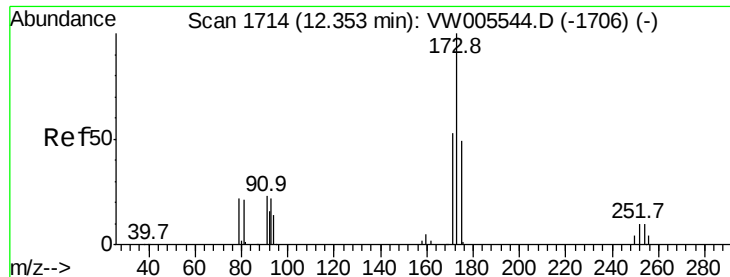
Tot Ion:106 Resp: 20097
Ion Ratio Lower Upper
106 100
91 217.6 111.0 333.0



#70
Styrene
Concen: 4.659 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion:104 Resp: 33360
Ion Ratio Lower Upper
104 100
78 51.7 42.2 63.4
103 57.3 44.6 66.8





#71

Bromoform

Concen: 5.456 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampled :

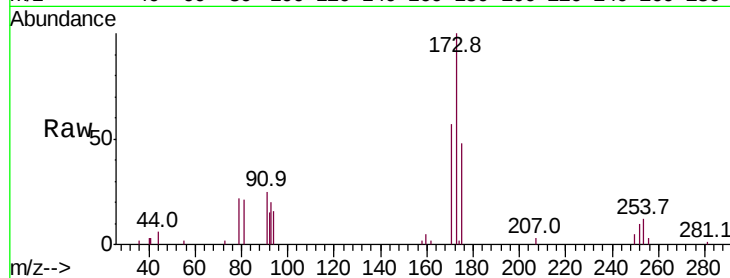
Tot Ion:173 Resp: 6474

Ion Ratio Lower Upper

173 100

175 50.2 24.3 72.9

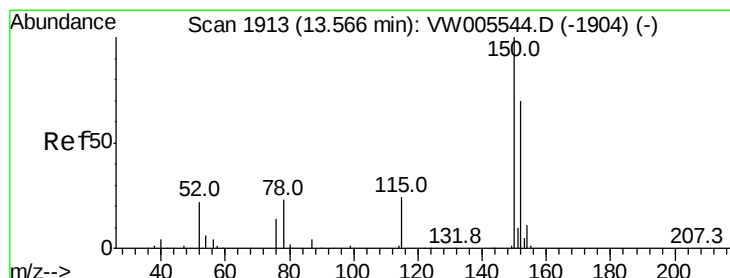
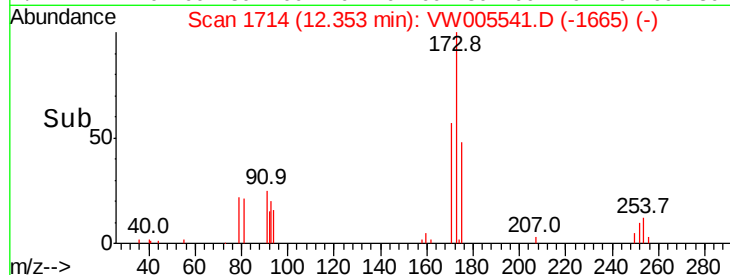
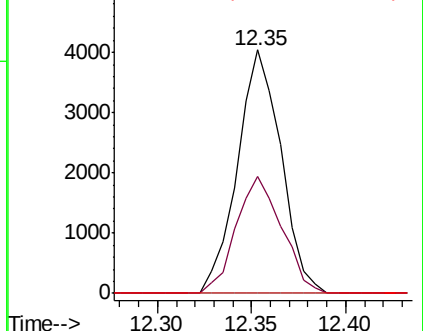
254 0.0 0.1 0.1#



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: VW005541.D

Acq: 20 Sep 2018 20:36

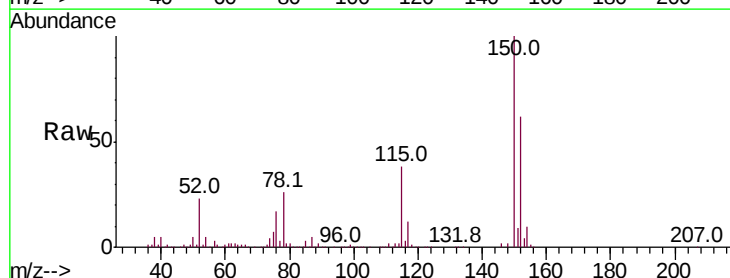
Tgt Ion:152 Resp: 172544

Ion Ratio Lower Upper

152 100

115 60.1 30.0 90.0

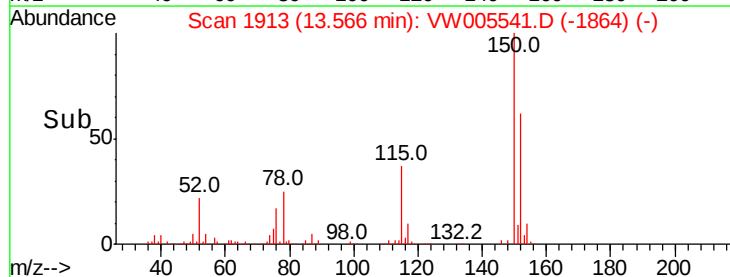
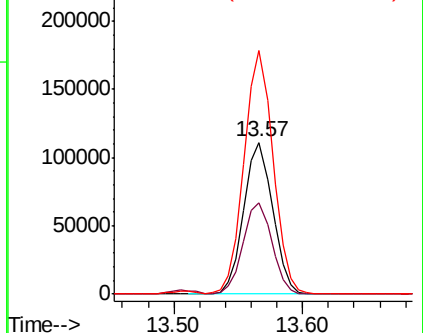
150 160.8 0.0 348.6

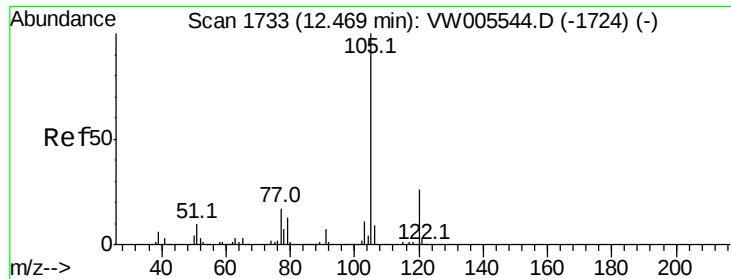


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.644 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

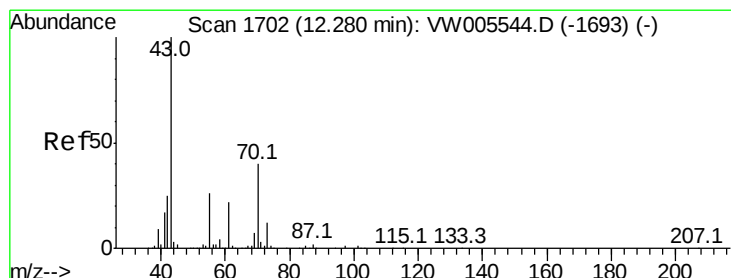
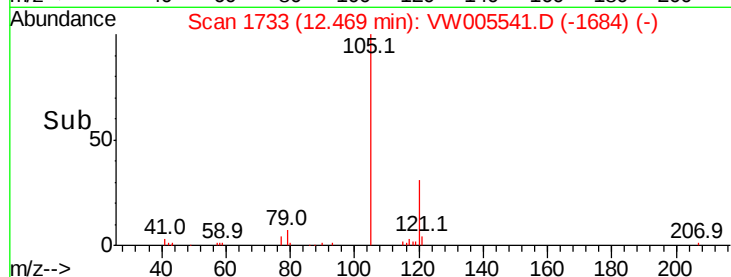
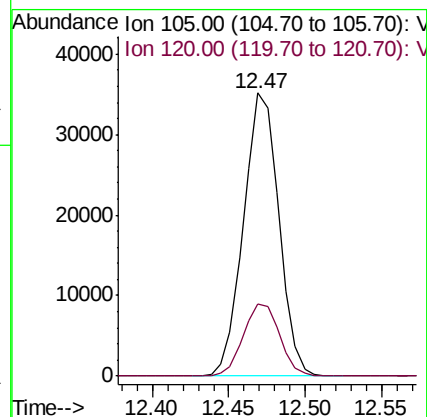
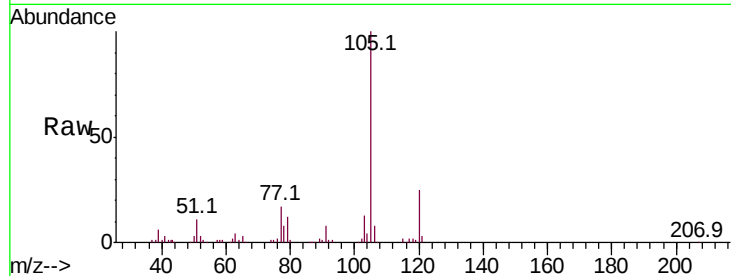
ClientSampleId :

Tot Ion:105 Resp: 56456

Ion Ratio Lower Upper

105 100

120 26.1 12.9 38.7



#74

N-ethyl acetate

Concen: 4.985 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Tgt Ion: 43 Resp: 12848

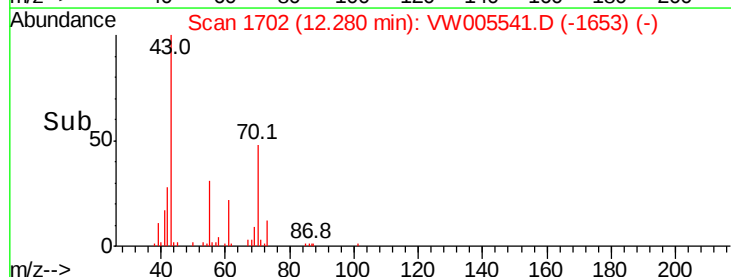
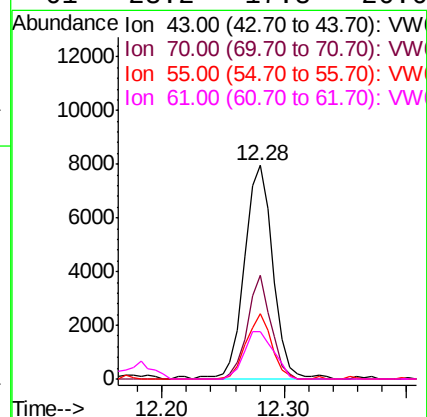
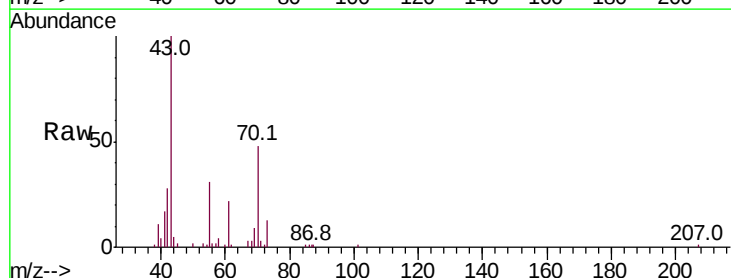
Ion Ratio Lower Upper

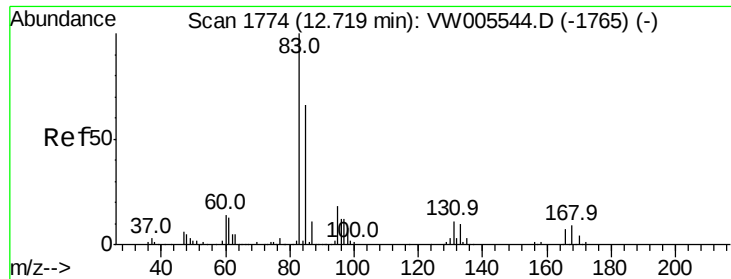
43 100

70 39.8 31.4 47.0

55 27.1 20.9 31.3

61 23.2 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.820 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampled :

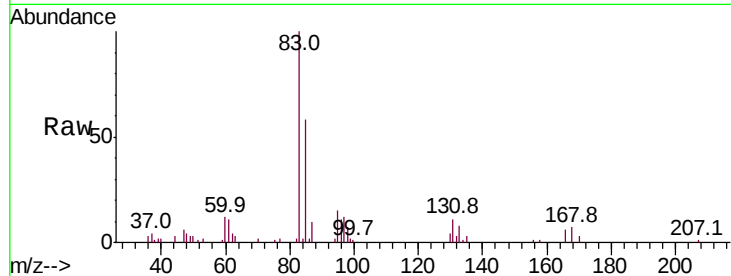
Tot Ion: 83 Resp: 10534

Ion Ratio Lower Upper

83 100

131 12.0 5.5 16.7

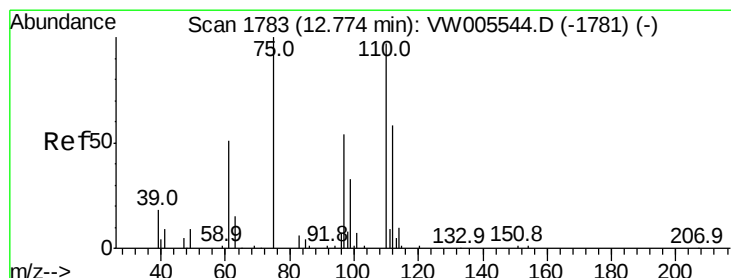
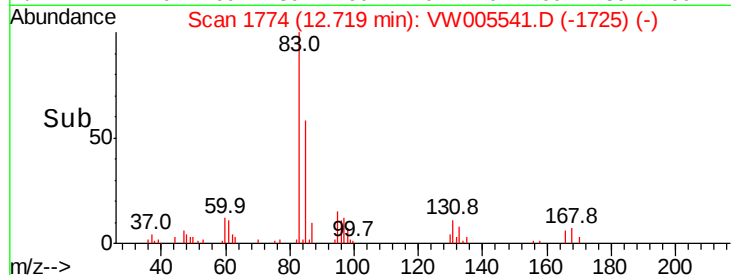
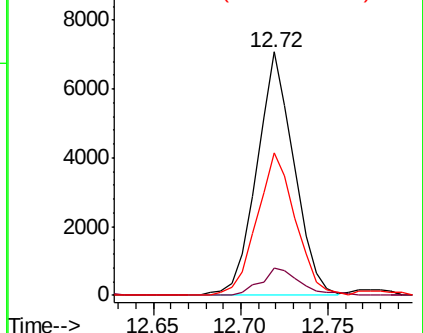
85 60.7 32.4 97.0



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: 10.060 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005541.D

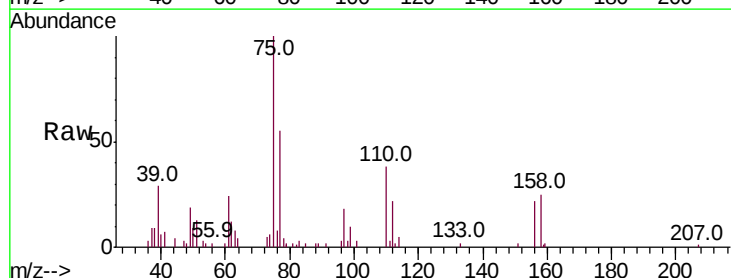
Acq: 20 Sep 2018 20:36

Tgt Ion: 75 Resp: 14466

Ion Ratio Lower Upper

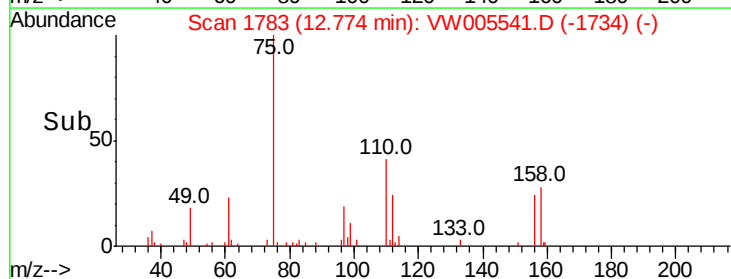
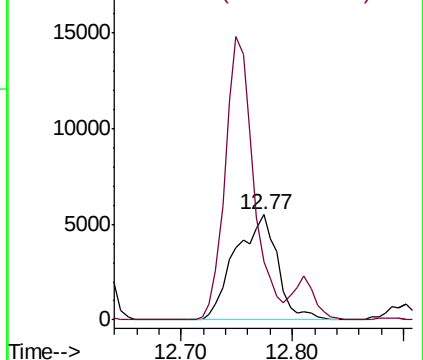
75 100

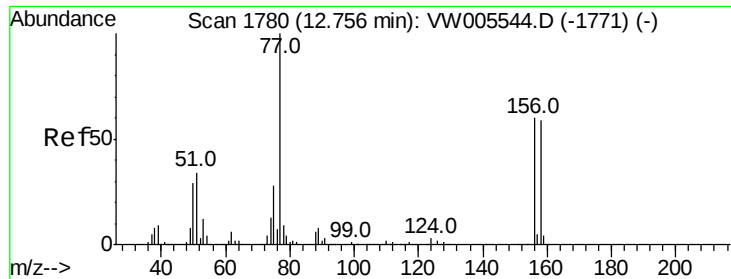
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 5.210 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

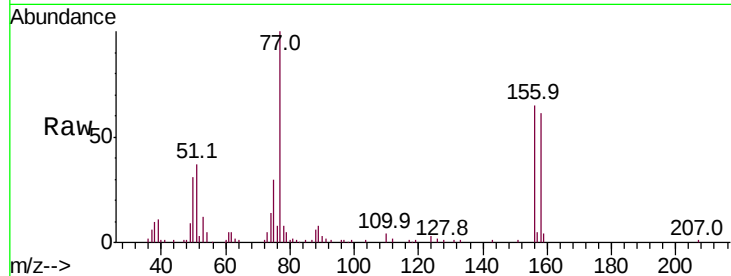
Tot Ion:156 Resp: 14927

Ion Ratio Lower Upper

156 100

77 176.6 94.7 284.1

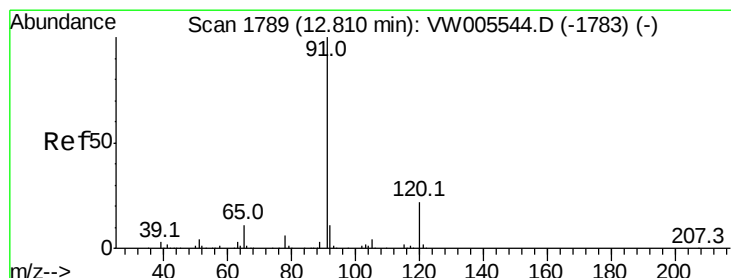
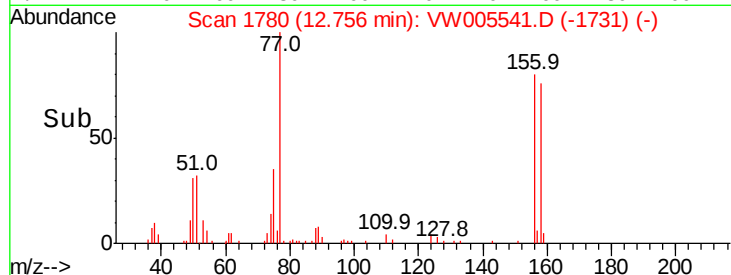
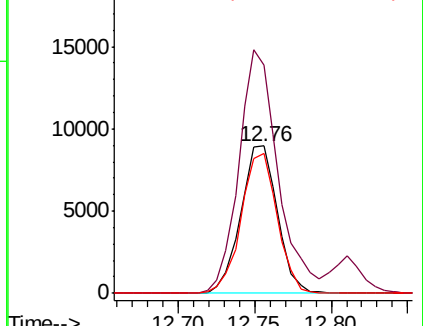
158 93.6 48.0 144.2



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: 4.677 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005541.D

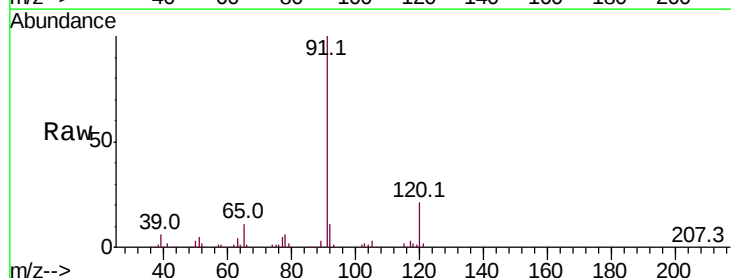
Acq: 20 Sep 2018 20:36

Tgt Ion: 91 Resp: 68585

Ion Ratio Lower Upper

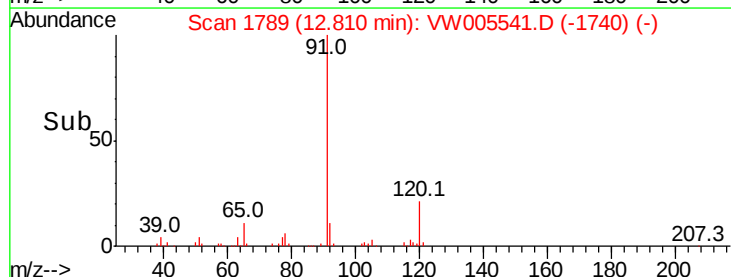
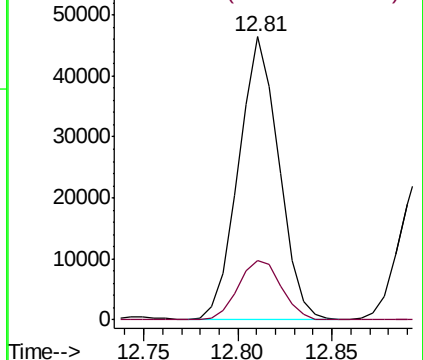
91 100

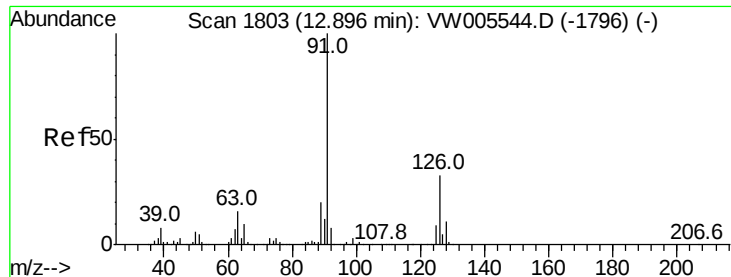
120 22.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.708 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

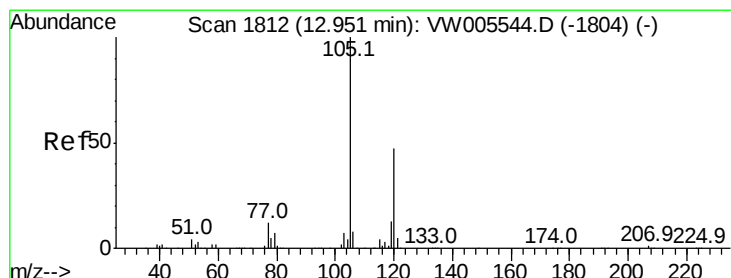
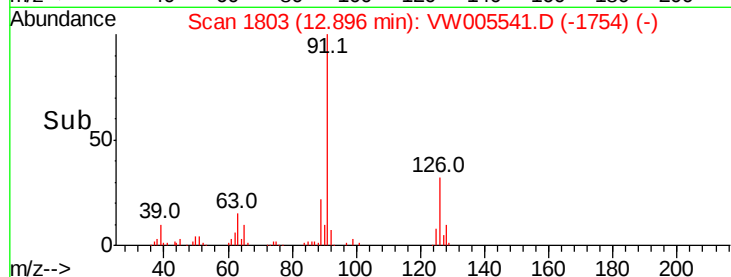
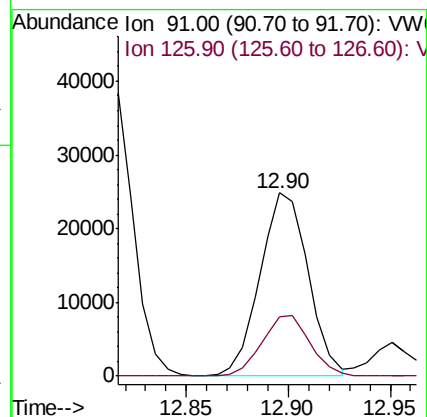
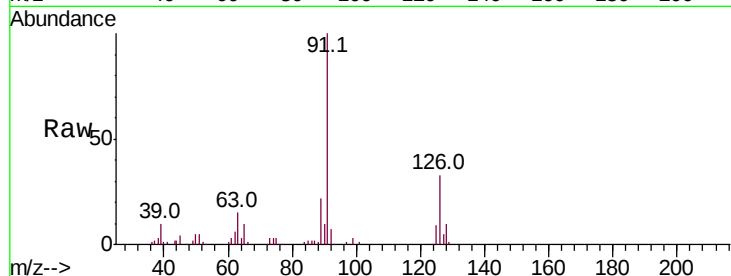
ClientSampleId :

Tot Ion: 91 Resp: 40588

Ion Ratio Lower Upper

91 100

126 33.7 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 4.556 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005541.D

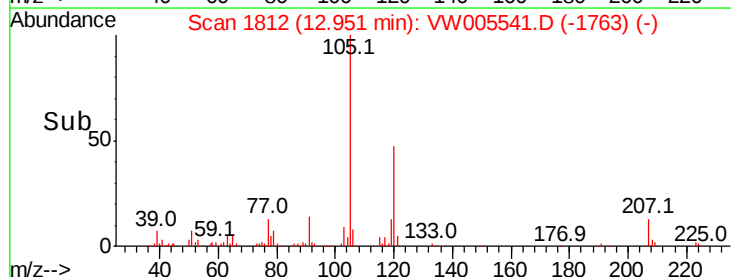
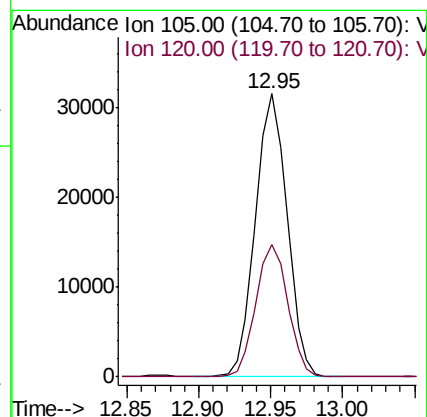
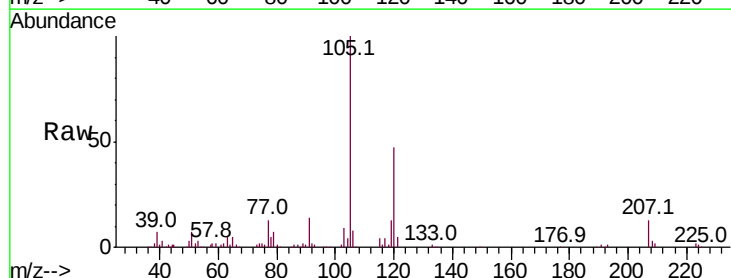
Acq: 20 Sep 2018 20:36

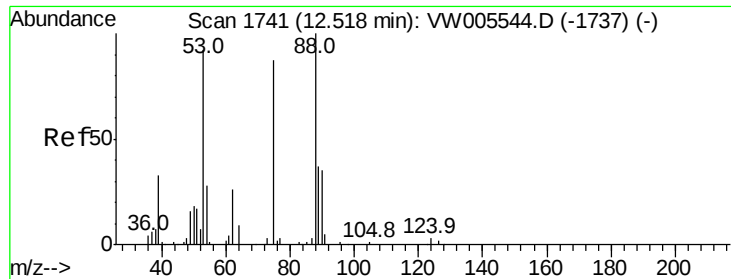
Tgt Ion:105 Resp: 48178

Ion Ratio Lower Upper

105 100

120 47.0 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 5.663 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

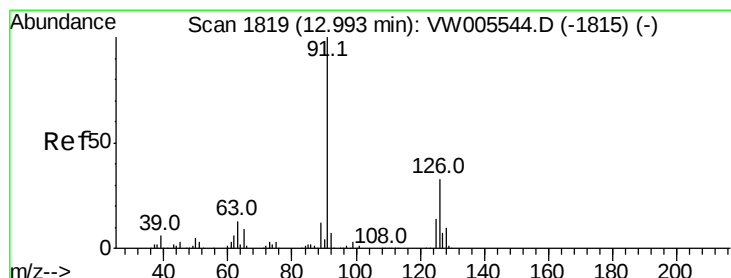
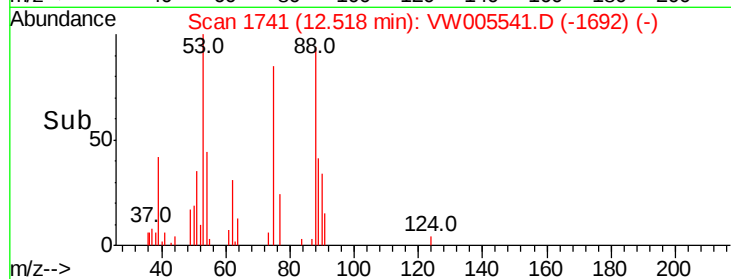
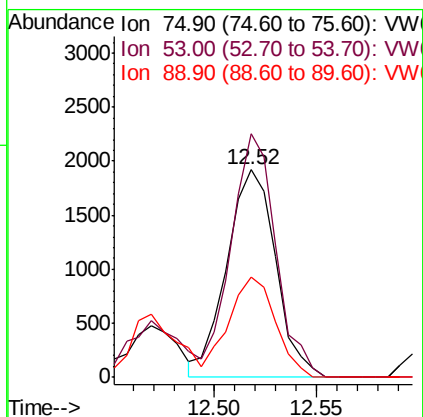
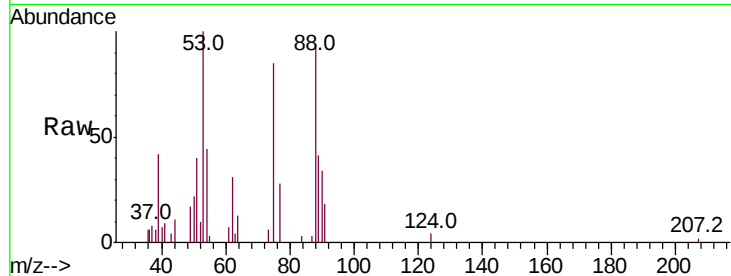
Tot Ion: 75 Resp: 3194

Ion	Ratio	Lower	Upper
75	100		
53	106.5	85.8	128.6
89	46.3	37.3	55.9

75 100

53 106.5 85.8 128.6

89 46.3 37.3 55.9



#82

4-Chlorotoluene

Concen: 4.764 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW005541.D

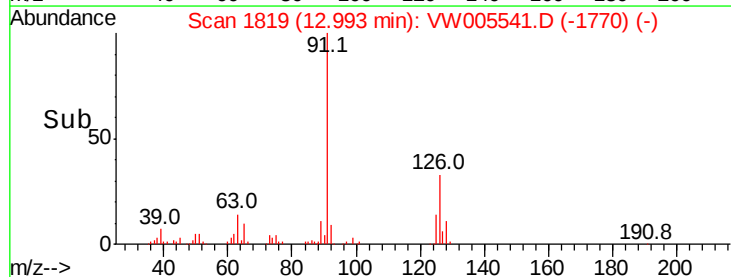
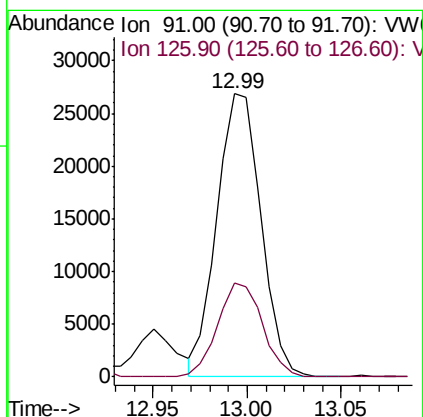
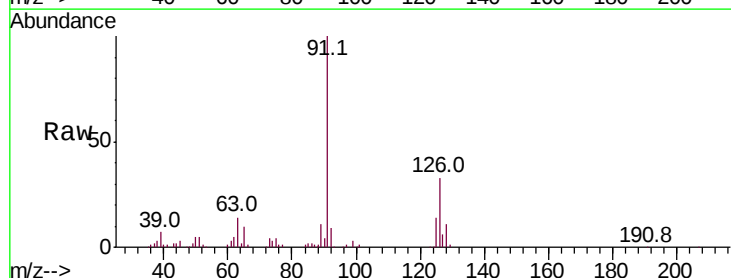
Acq: 20 Sep 2018 20:36

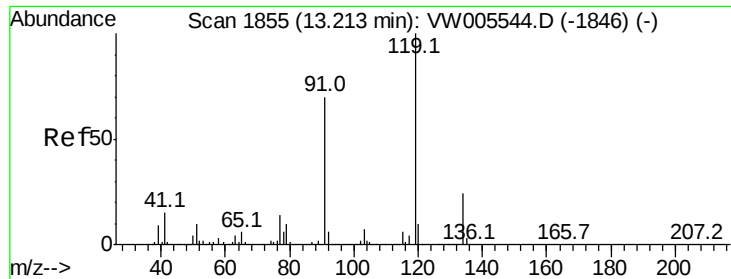
Tgt Ion: 91 Resp: 43382

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.4	49.4

91 100

126 33.7 16.4 49.4

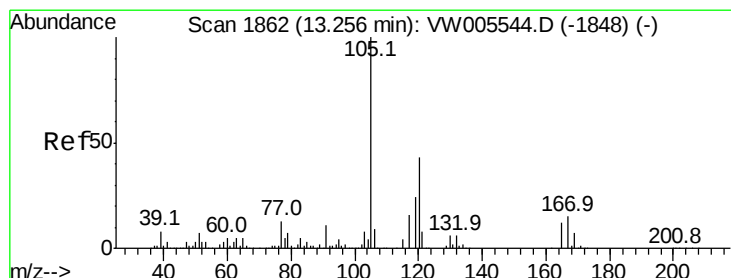
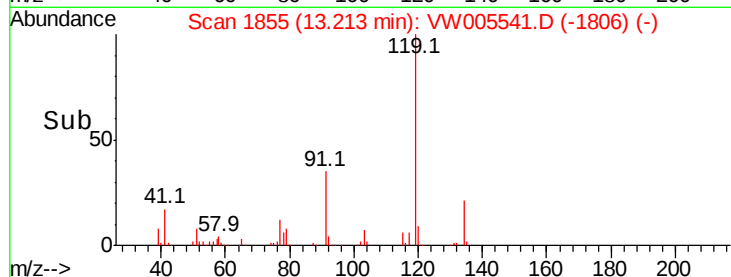
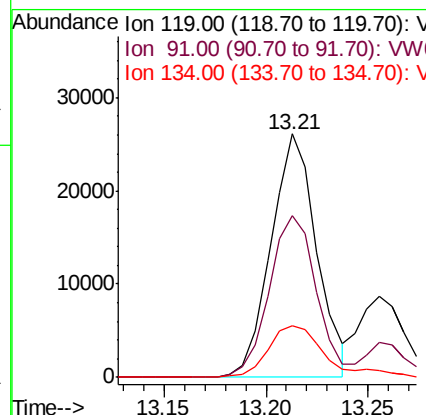
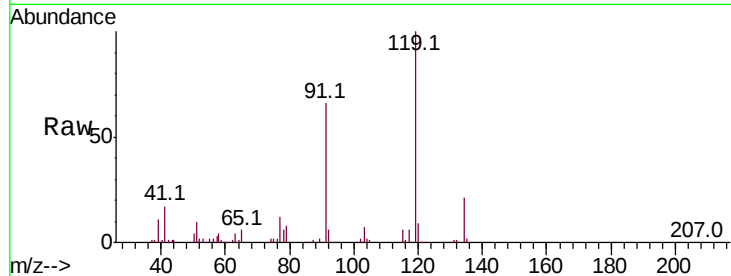




#83
 tert-Butylbenzene
 Concen: 4.636 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

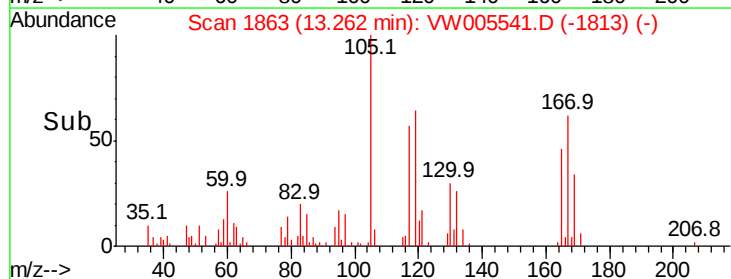
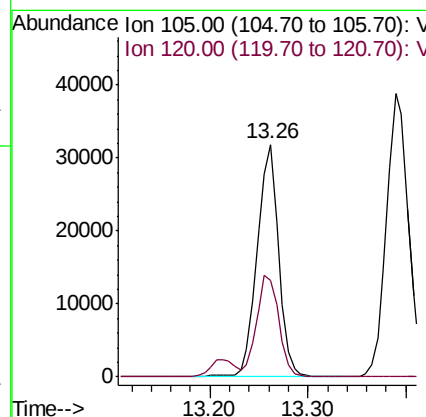
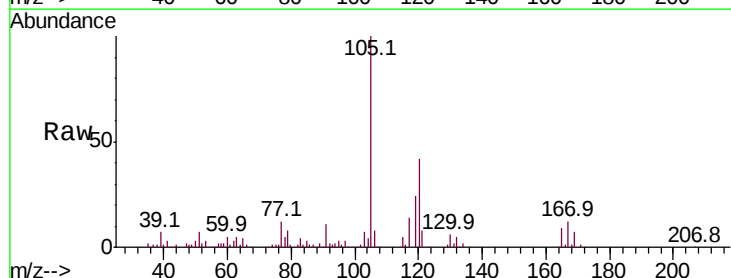
Instrument :
 MSVOA_W
 ClientSampleId :

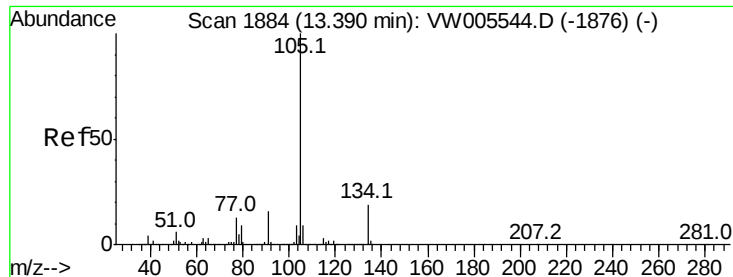
Tot Ion:119 Resp: 40781
 Ion Ratio Lower Upper
 119 100
 91 69.3 34.6 103.8
 134 26.2 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 4.511 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Tgt Ion:105 Resp: 48473
 Ion Ratio Lower Upper
 105 100
 120 45.2 21.5 64.5

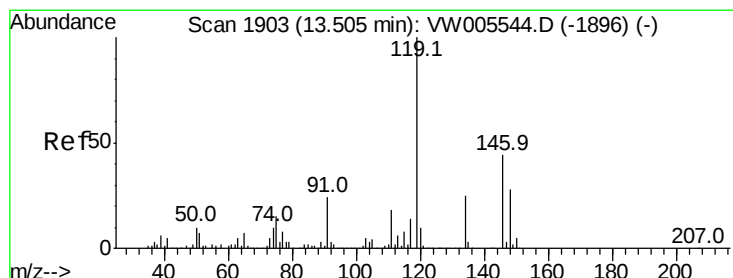
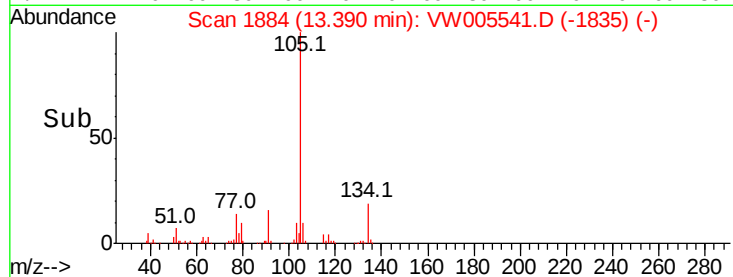
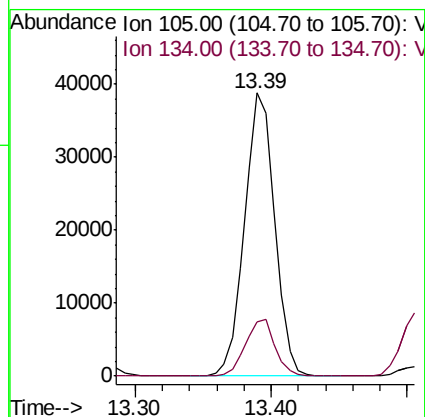
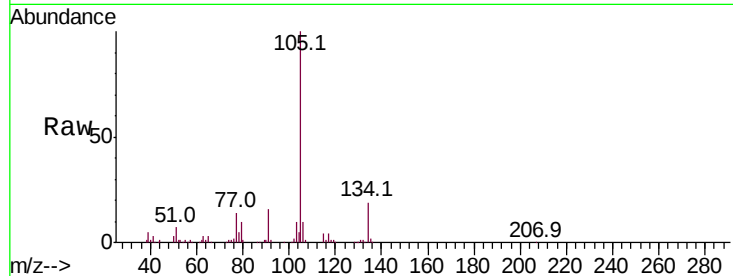




#85
 sec-Butylbenzene
 Concen: 4.736 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

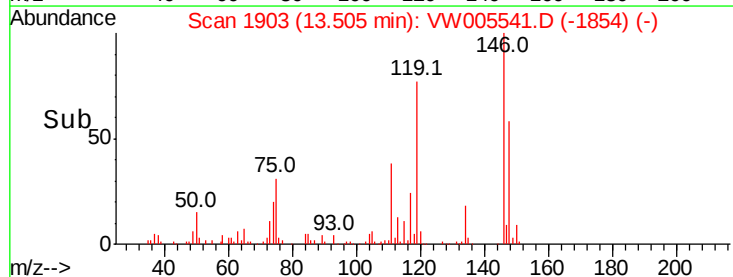
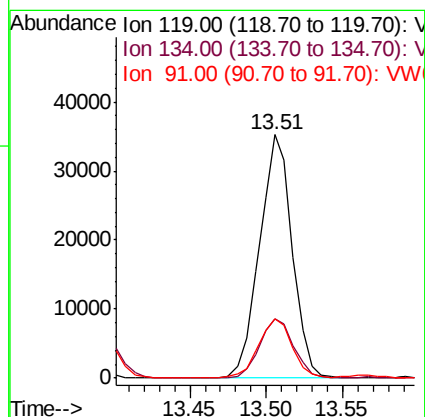
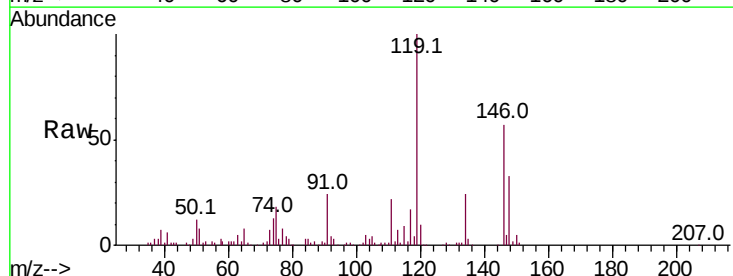
Instrument :
 MSVOA_W
 ClientSampleId :

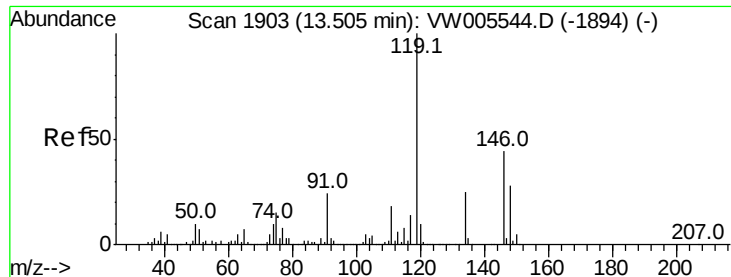
Tot Ion:105 Resp: 60200
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 4.603 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Tgt Ion:119 Resp: 52347
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.7 38.1
 91 25.2 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 5.167 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

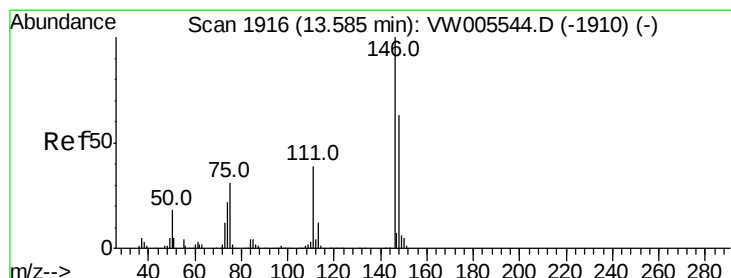
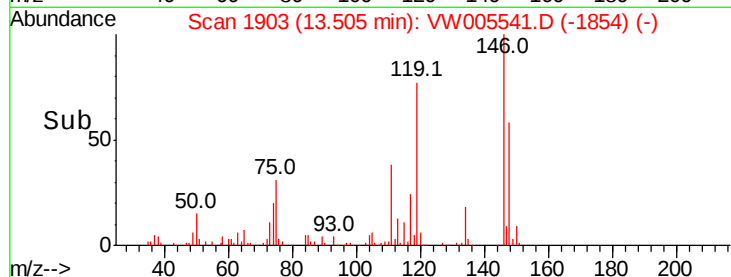
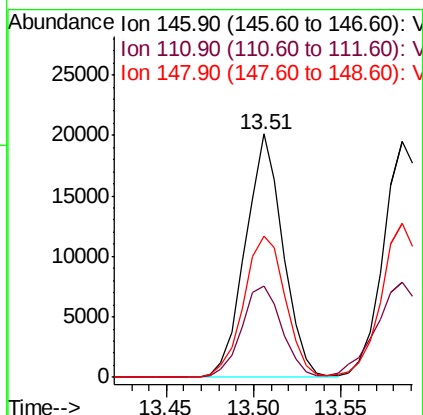
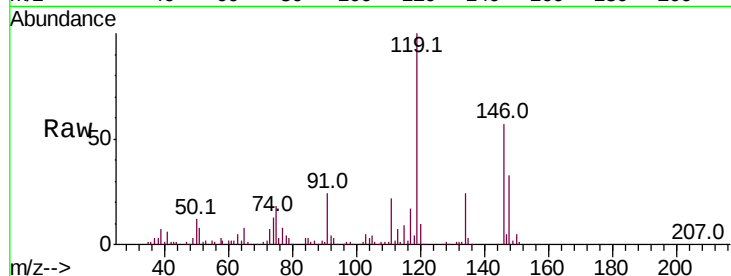
Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:146 Resp: 30061

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	60.9
148	64.6	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 5.404 ug/l

RT: 13.58 min Scan# 1916

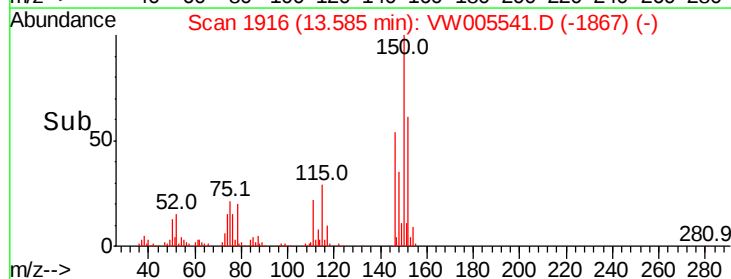
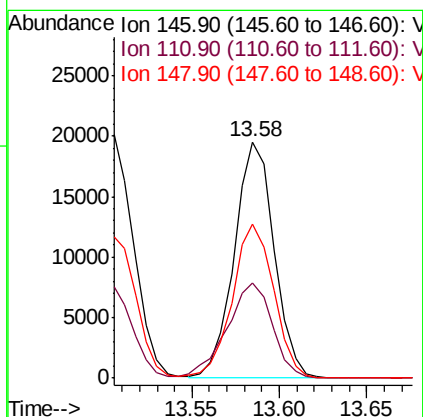
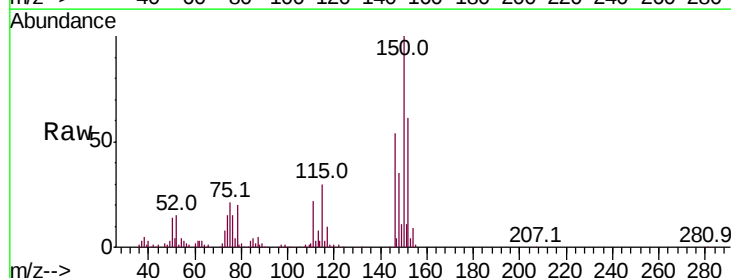
Delta R.T. -0.00 min

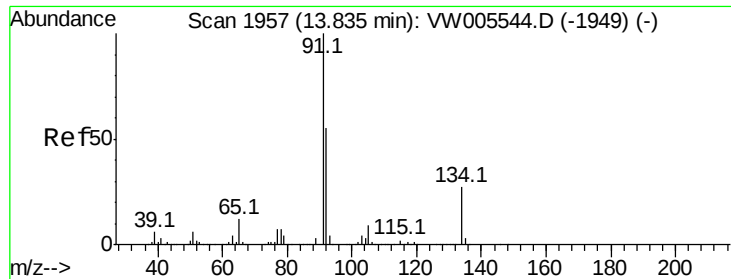
Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Tgt Ion:146 Resp: 30918

Ion	Ratio	Lower	Upper
146	100		
111	46.2	19.9	59.7
148	67.8	32.1	96.3





#89

n-Butylbenzene

Concen: 4.862 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampled :

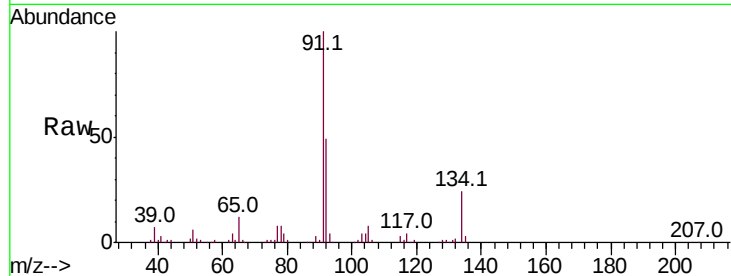
Tot Ion: 91 Resp: 51433

Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.5	79.5
134	25.0	12.9	38.7

91 100

92 51.1 26.5 79.5

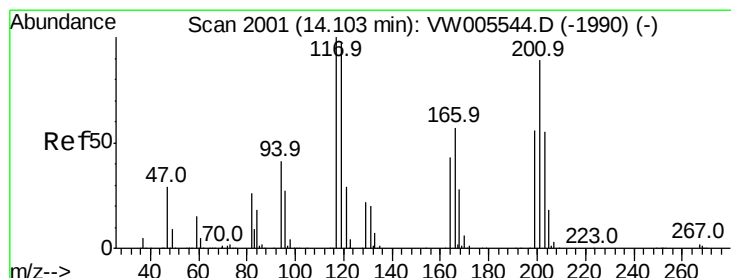
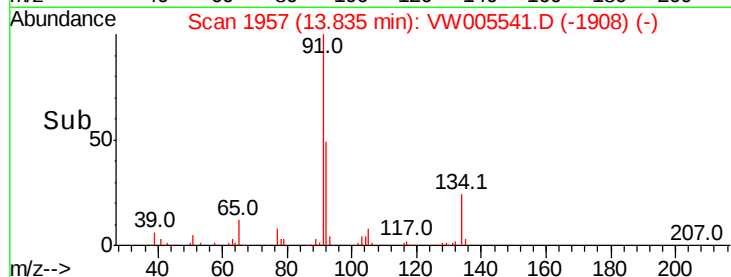
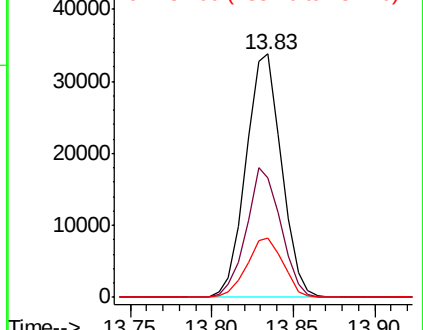
134 25.0 12.9 38.7



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: 5.441 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW005541.D

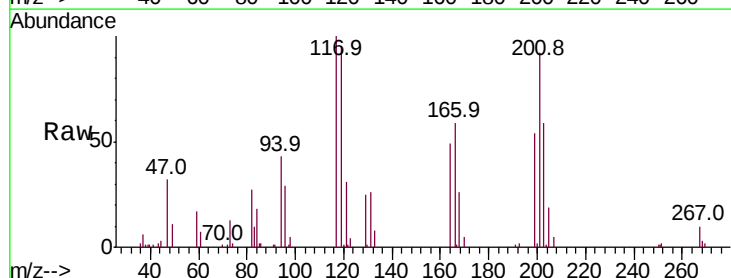
Acq: 20 Sep 2018 20:36

Tgt Ion: 117 Resp: 10688

Ion	Ratio	Lower	Upper
117	100		
201	86.3	42.8	128.3

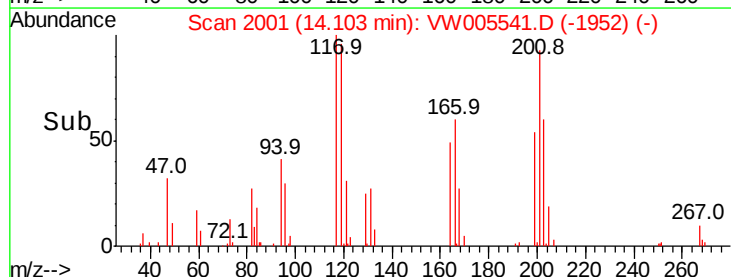
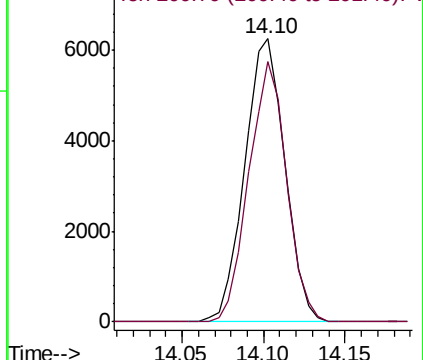
117 100

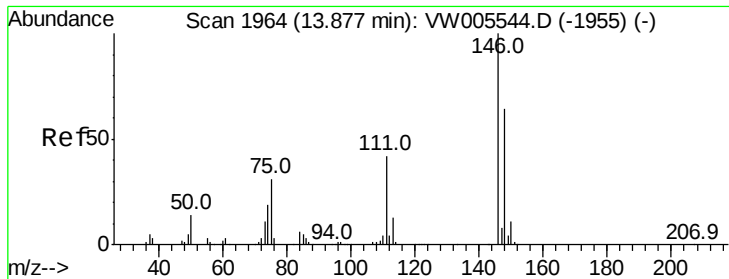
201 86.3 42.8 128.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 5.297 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampled :

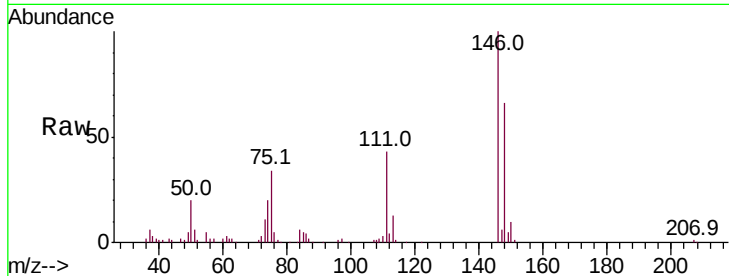
Tot Ion:146 Resp: 26886

Ion Ratio Lower Upper

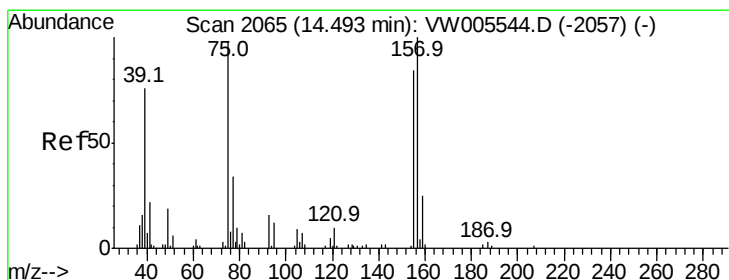
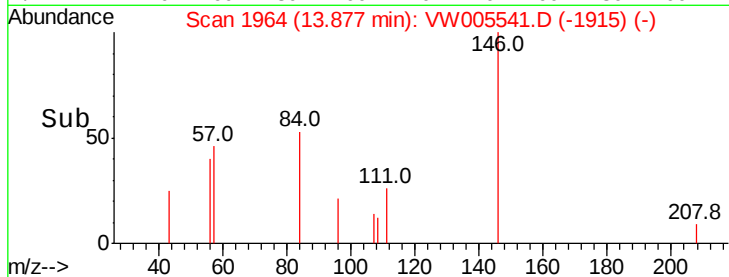
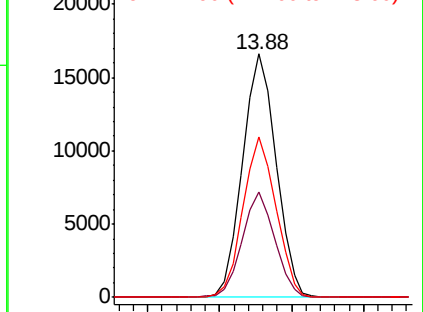
146 100

111 41.7 21.3 63.9

148 64.8 32.0 96.2



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: 6.211 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

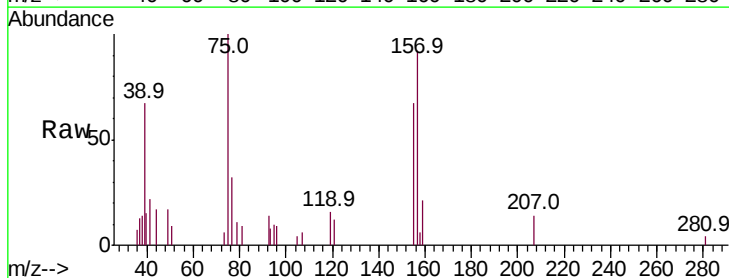
Tgt Ion: 75 Resp: 2132

Ion Ratio Lower Upper

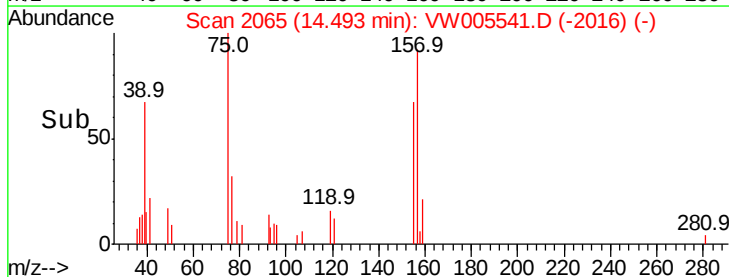
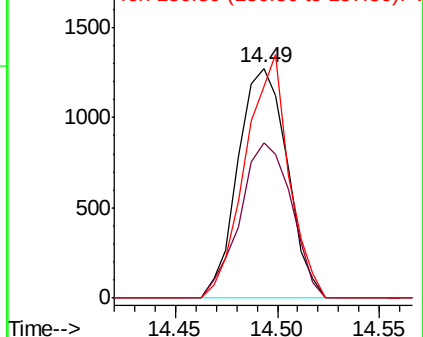
75 100

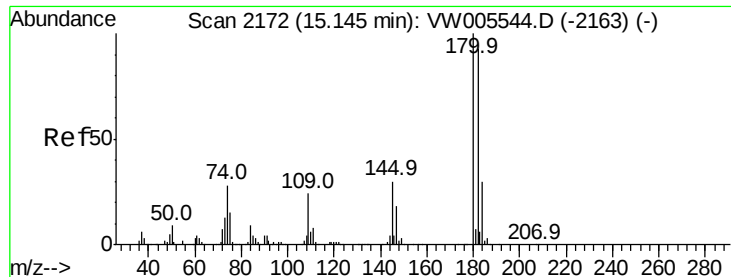
155 70.9 39.1 117.5

157 94.0 50.8 152.4



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

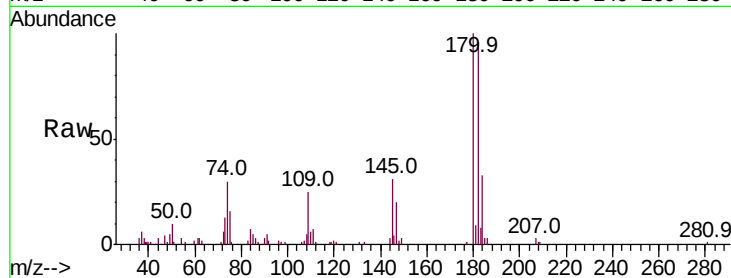




#93
 1,2,4-Trichlorobenzene
 Concen: 5.342 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.7	143.1
145	29.1	15.0	45.1

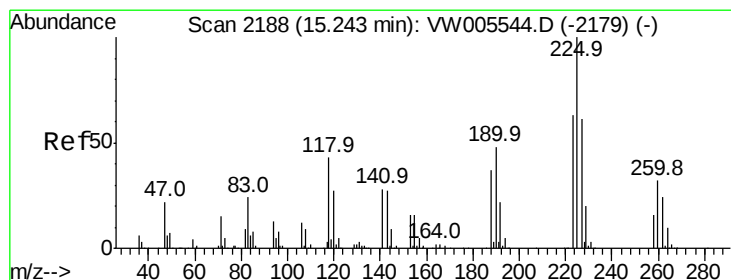
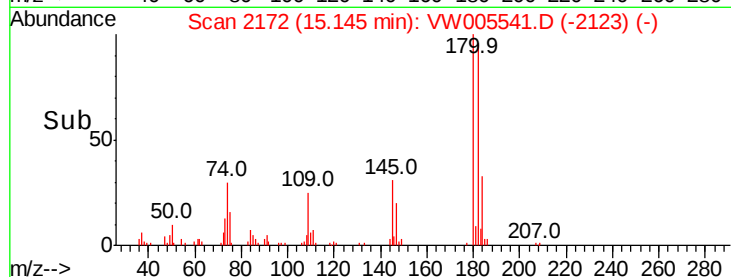
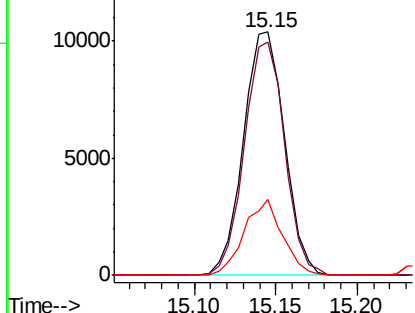


Abundance

Ion 179.80 (179.50 to 180.50): V

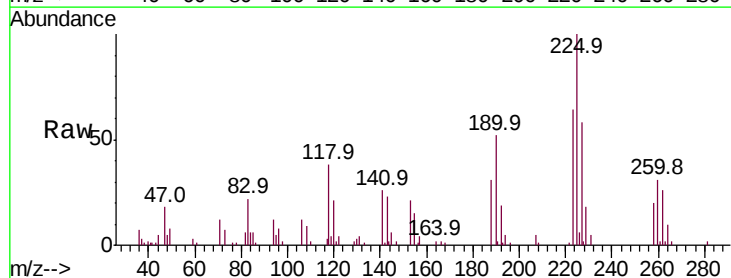
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 5.513 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.1	93.3
227	62.6	31.8	95.3

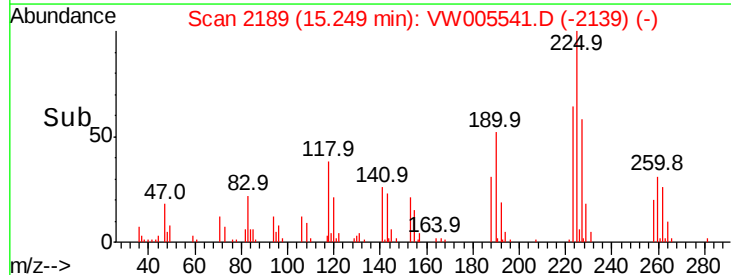
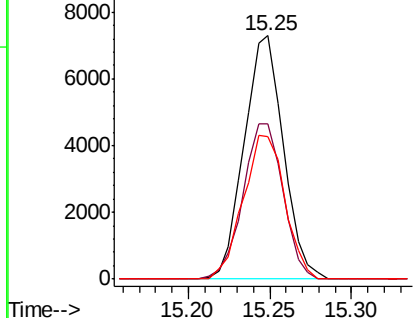


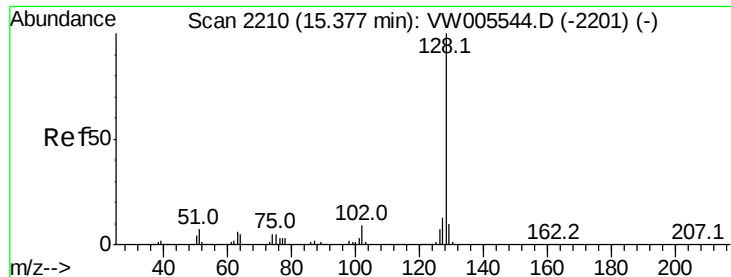
Abundance

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

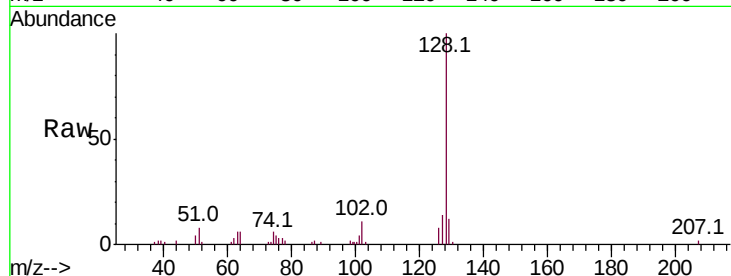




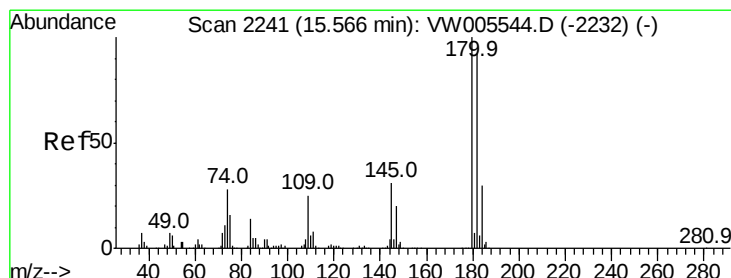
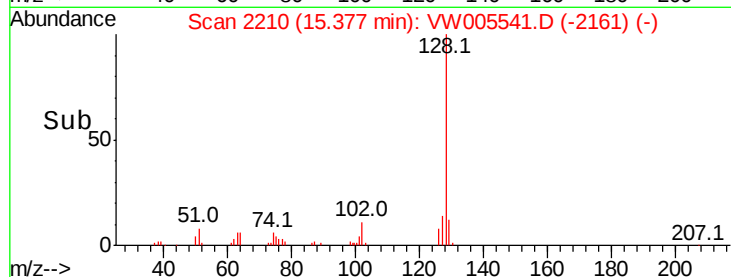
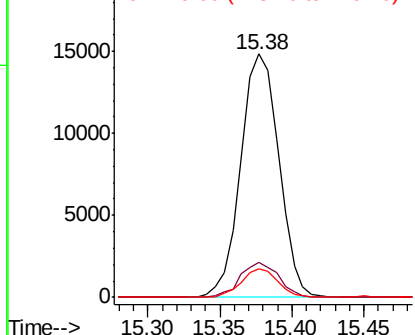
#95
Naphthalene
Concen: 4.770 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 27270
Ion Ratio Lower Upper
128 100
127 14.4 10.9 16.3
129 11.0 8.6 13.0

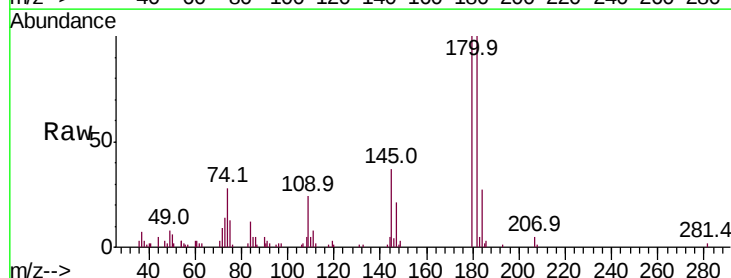


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 5.294 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion:180 Resp: 15830
Ion Ratio Lower Upper
180 100
182 91.5 47.3 141.9
145 33.7 16.0 47.9



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

