

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092418\
 Data File : VW005578.D
 Acq On : 24 Sep 2018 12:21
 Operator : VA/AP
 Sample : VW0924SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

Quant Time: Sep 24 15:50:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	214307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	311128	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	285386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	155734	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	125385	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	7.89	113	107609	55.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.00%	
50) Toluene-d8	10.33	98	446762	56.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.16%	
62) 4-Bromofluorobenzene	12.63	95	160905	54.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	31750	22.864	ug/l	97
3) Chloromethane	2.21	50	31325	18.183	ug/l	99
4) Vinyl Chloride	2.37	62	45207	21.953	ug/l	98
5) Bromomethane	2.79	94	29884	21.474	ug/l	97
6) Chloroethane	2.93	64	28163	21.314	ug/l	96
7) Trichlorofluoromethane	3.26	101	38870	24.134	ug/l	98
8) Diethyl Ether	3.68	74	20226	19.225	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	45352	22.245	ug/l	96
10) Methyl Iodide	4.26	142	65870	21.009	ug/l	99
11) Tert butyl alcohol	5.21	59	12182	91.953	ug/l #	89
12) 1,1-Dichloroethene	4.04	96	41979	21.508	ug/l	97
13) Acrolein	3.90	56	10547	109.970	ug/l	95
14) Allyl chloride	4.67	41	66212	19.438	ug/l	96
15) Acrylonitrile	5.37	53	40675	87.078	ug/l	98
16) Acetone	4.14	43	45878	110.318	ug/l	97
17) Carbon Disulfide	4.37	76	131780	21.609	ug/l	98
18) Methyl Acetate	4.68	43	19416	16.226	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	58333	19.363	ug/l	94
20) Methylene Chloride	4.91	84	48281	20.276	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	43418	20.310	ug/l	99
22) Diisopropyl ether	6.32	45	127838	19.333	ug/l	98
23) Vinyl Acetate	6.26	43	349947	92.592	ug/l	100
24) 1,1-Dichloroethane	6.21	63	82174	20.114	ug/l	99
25) 2-Butanone	7.18	43	52057	84.896	ug/l	97
26) 2,2-Dichloropropane	7.17	77	62556	21.933	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	47401	20.103	ug/l	100
28) Bromochloromethane	7.51	49	29942	18.502	ug/l	97
29) Tetrahydrofuran	7.54	42	31350	81.837	ug/l	98
30) Chloroform	7.68	83	85005	20.154	ug/l	99
31) Cyclohexane	7.96	56	79210	20.237	ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	79638	21.374	ug/l	99
36) 1,1-Dichloropropene	8.09	75	68383	21.834	ug/l	99
37) Ethyl Acetate	7.26	43	24058	18.253	ug/l	99
38) Carbon Tetrachloride	8.07	117	77273	23.024	ug/l	99

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Quant Time: Sep 24 15:50:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	81611	22.086	ug/l	99
40) Benzene	8.33	78	185937	20.953	ug/l	99
41) Methacrylonitrile	7.49	41	13341	17.787	ug/l	94
42) 1,2-Dichloroethane	8.40	62	57875	20.370	ug/l	99
43) Isopropyl Acetate	8.43	43	45615	17.603	ug/l	97
44) Trichloroethene	9.10	130	49417	21.756	ug/l	96
45) 1,2-Dichloropropane	9.38	63	43411	19.884	ug/l	98
46) Dibromomethane	9.46	93	21757	19.945	ug/l	99
47) Bromodichloromethane	9.65	83	59475	20.297	ug/l	99
48) Methyl methacrylate	9.44	41	22121	17.972	ug/l	94
49) 1,4-Dioxane	9.47	88	6709	386.844	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	114265	87.548	ug/l	99
52) Toluene	10.39	92	120135	21.697	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	59717	20.329	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	69521	21.122	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	30815	19.901	ug/l	97
56) Ethyl methacrylate	10.65	69	35053	18.338	ug/l	99
57) 1,3-Dichloropropane	10.94	76	52478	19.123	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	84196	97.171	ug/l	97
59) 2-Hexanone	10.98	43	81036	91.397	ug/l	99
60) Dibromochloromethane	11.13	129	38245	20.442	ug/l	100
61) 1,2-Dibromoethane	11.24	107	28390	19.665	ug/l	96
64) Tetrachloroethene	10.87	164	44055	21.750	ug/l	96
65) Chlorobenzene	11.66	112	127617	21.064	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	45664	20.942	ug/l	98
67) Ethyl Benzene	11.74	91	229269	21.320	ug/l	97
68) m/p-Xylenes	11.85	106	178543	43.946	ug/l	100
69) o-Xylene	12.17	106	80476	21.150	ug/l	99
70) Styrene	12.19	104	134696	21.035	ug/l	100
71) Bromoform	12.35	173	23465	20.274	ug/l #	100
73) Isopropylbenzene	12.47	105	236686	21.916	ug/l	99
74) N-amyl acetate	12.28	43	42152	17.237	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	34031	18.971	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	49551	37.326	ug/l #	100
77) Bromobenzene	12.76	156	53555	21.158	ug/l	97
78) n-propylbenzene	12.81	91	286384	21.903	ug/l	99
79) 2-Chlorotoluene	12.90	91	164033	21.684	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	206111	21.948	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	11775	19.978	ug/l	97
82) 4-Chlorotoluene	12.99	91	173737	21.737	ug/l	99
83) tert-Butylbenzene	13.21	119	172532	21.869	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	210890	22.254	ug/l	99
85) sec-Butylbenzene	13.39	105	255279	22.310	ug/l	99
86) p-Isopropyltoluene	13.51	119	231728	22.594	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	110620	21.372	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	110426	21.452	ug/l	100
89) n-Butylbenzene	13.83	91	213860	22.107	ug/l	99
90) Hexachloroethane	14.10	117	39810	21.416	ug/l	95
91) 1,2-Dichlorobenzene	13.88	146	98230	21.499	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6321	18.495	ug/l	97

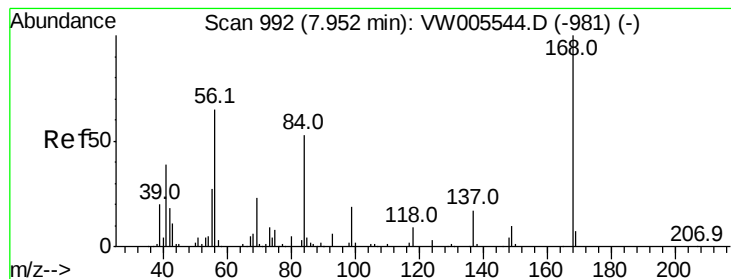
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092418\
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Quant Title : SW846 8260
QLast Update : Fri Sep 21 09:05:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	69492	21.321	ug/l	100
94) Hexachlorobutadiene	15.24	225	47799	22.637	ug/l	100
95) Naphthalene	15.38	128	106643	19.452	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	60580	21.090	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

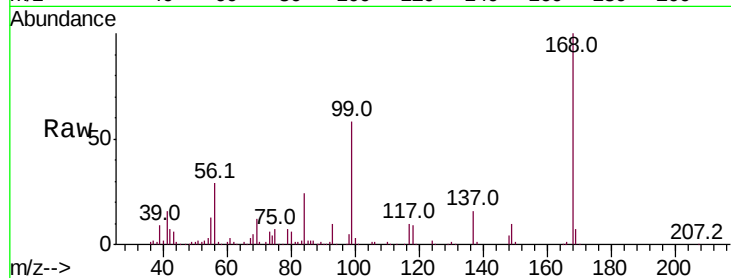
VW0924SBS01

Tot Ion:168 Resp: 214307

Ion Ratio Lower Upper

168 100

99 58.2 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

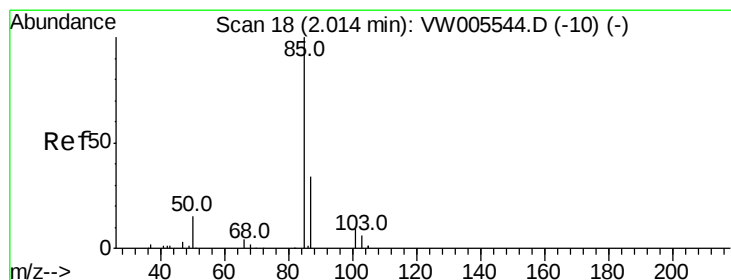
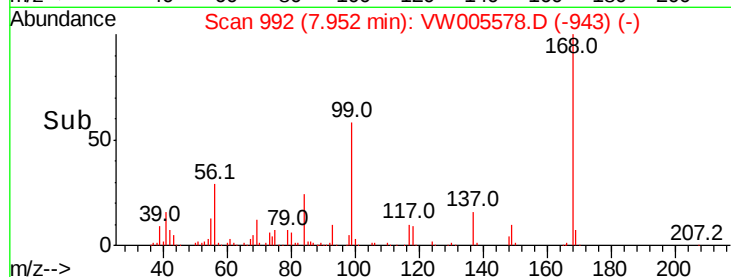
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.864 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005578.D

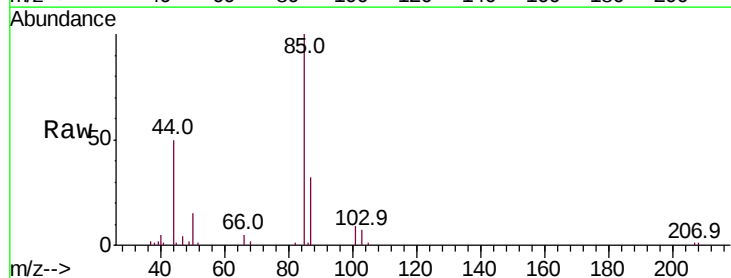
Acq: 24 Sep 2018 12:21

Tgt Ion: 85 Resp: 31750

Ion Ratio Lower Upper

85 100

87 32.3 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

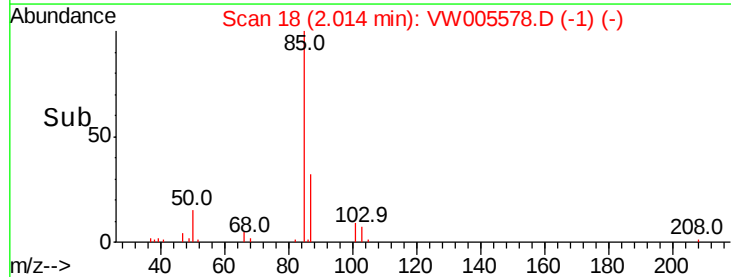
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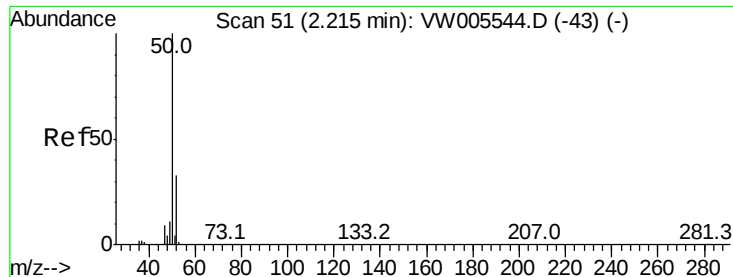
4000

2000

0

Time-->





#3

Chloromethane

Concen: 18.183 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

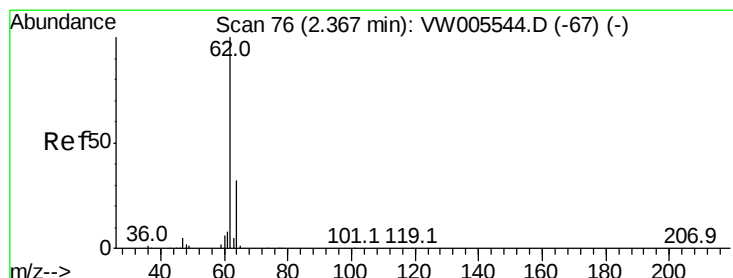
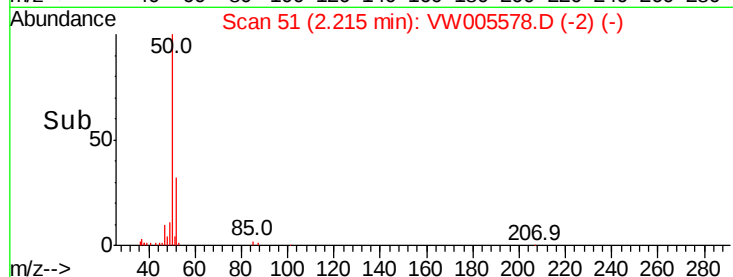
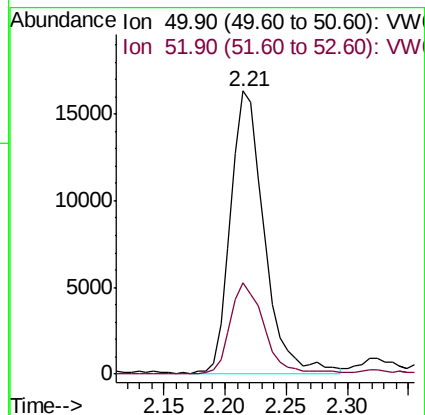
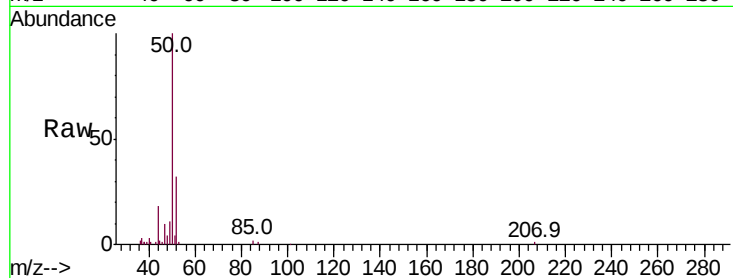
VW0924SBS01

Tot Ion: 50 Resp: 31325

Ion Ratio Lower Upper

50 100

52 32.4 26.2 39.4



#4

Vinyl Chloride

Concen: 21.953 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW005578.D

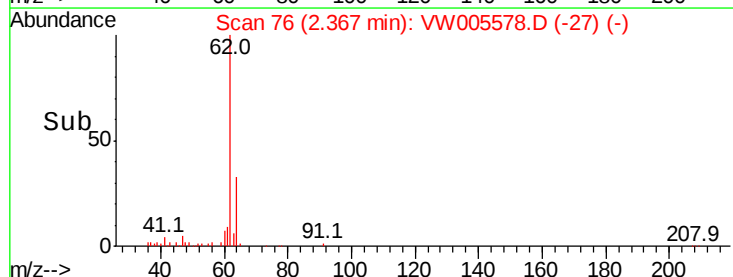
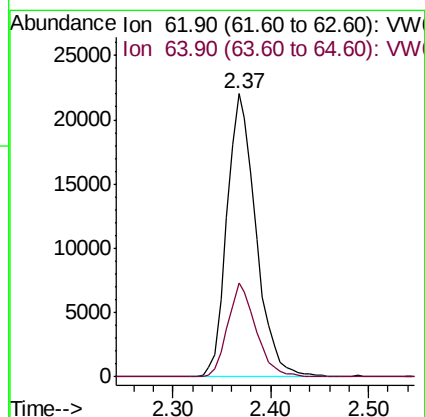
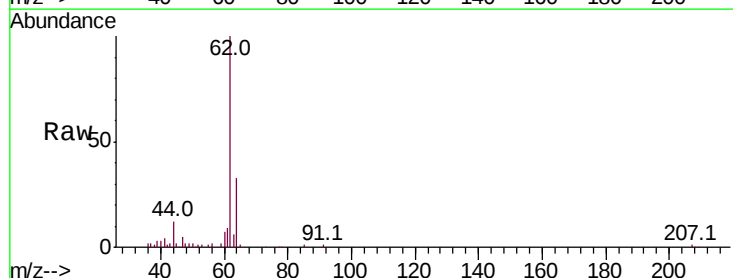
Acq: 24 Sep 2018 12:21

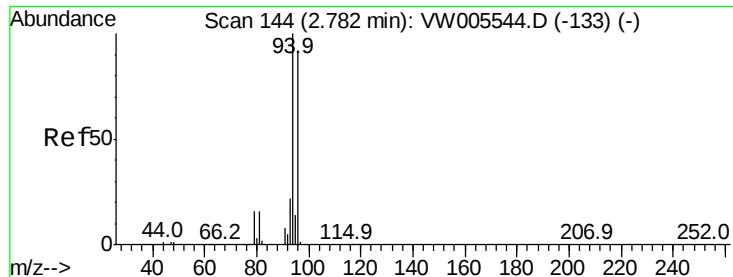
Tgt Ion: 62 Resp: 45207

Ion Ratio Lower Upper

62 100

64 33.1 25.7 38.5





#5

Bromomethane

Concen: 21.474 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

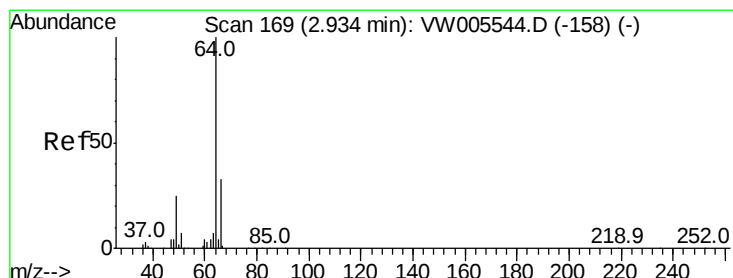
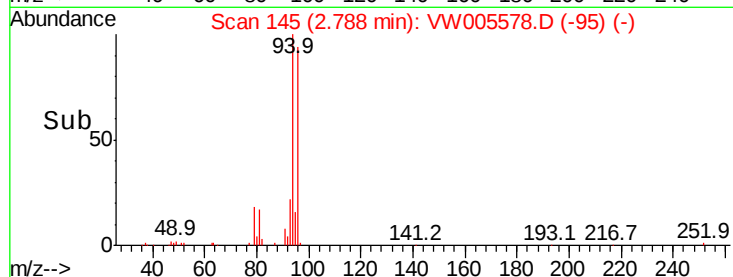
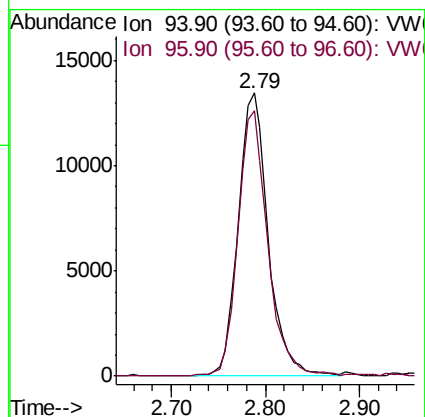
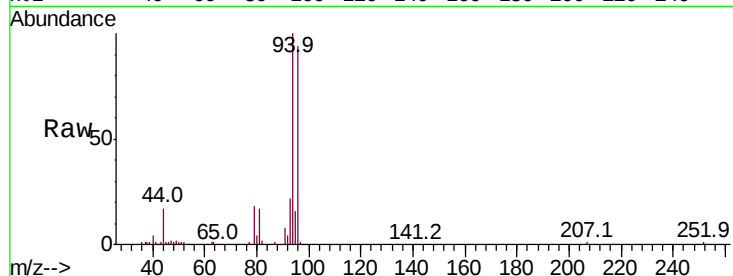
VW0924SBS01

Tot Ion: 94 Resp: 29884

Ion Ratio Lower Upper

94 100

96 93.8 73.1 109.7



#6

Chloroethane

Concen: 21.314 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW005578.D

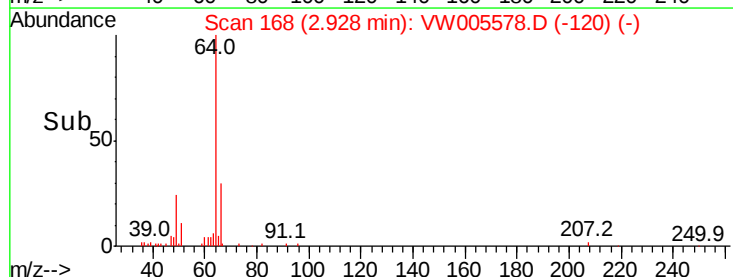
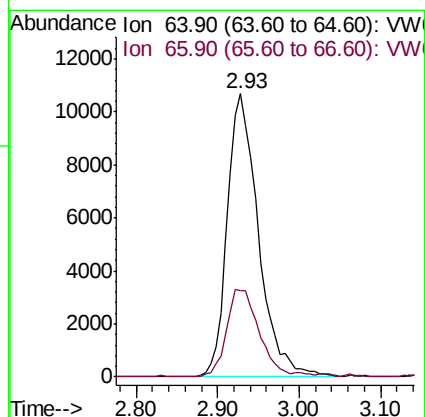
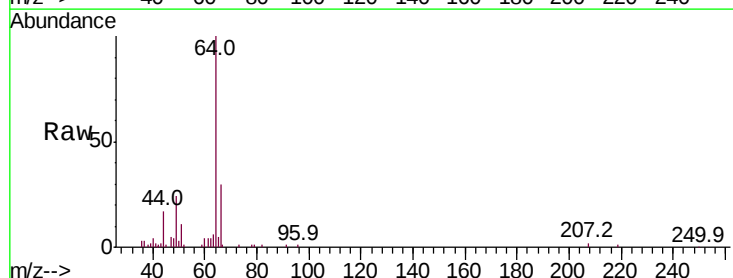
Acq: 24 Sep 2018 12:21

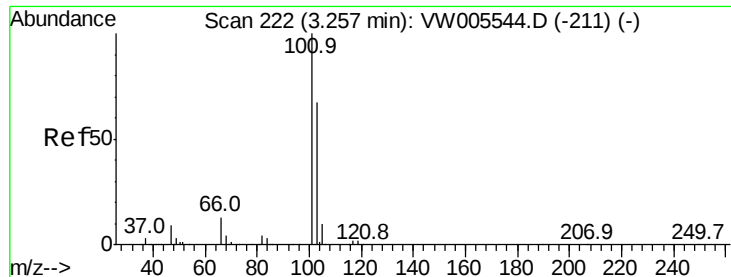
Tgt Ion: 64 Resp: 28163

Ion Ratio Lower Upper

64 100

66 30.3 26.0 39.0



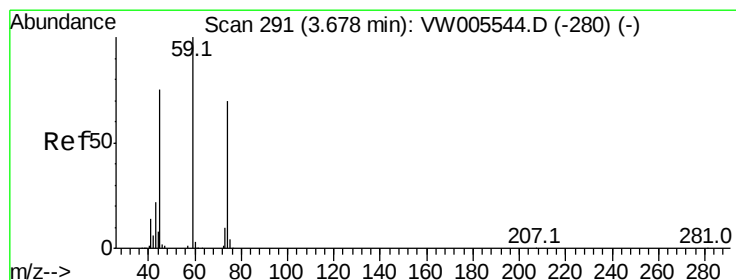
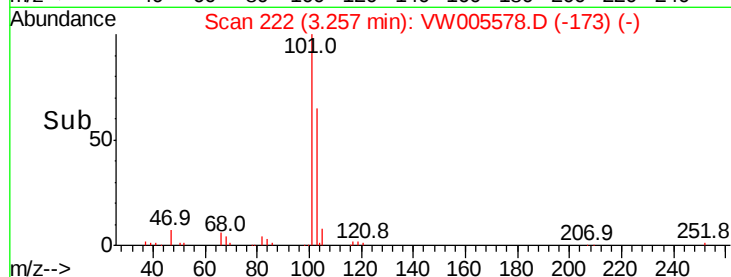
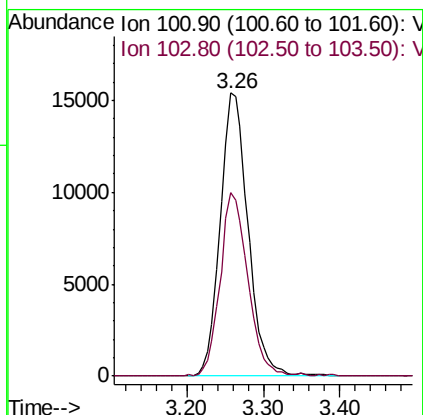
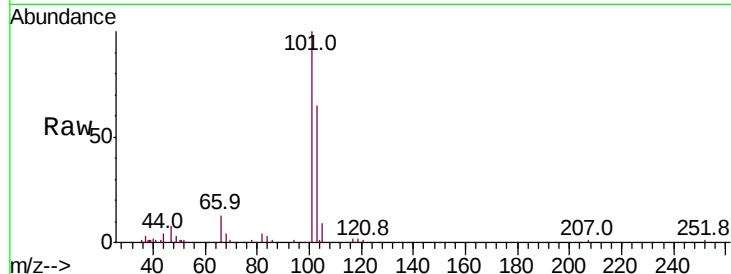


#7

Trichlorofluoromethane
 Concen: 24.134 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW005578.D
 Acq: 24 Sep 2018 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

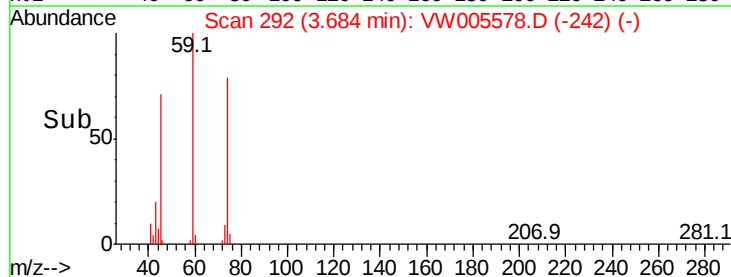
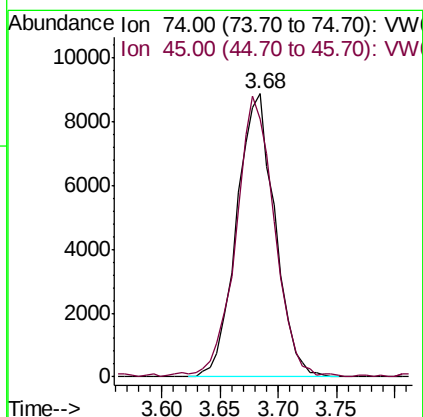
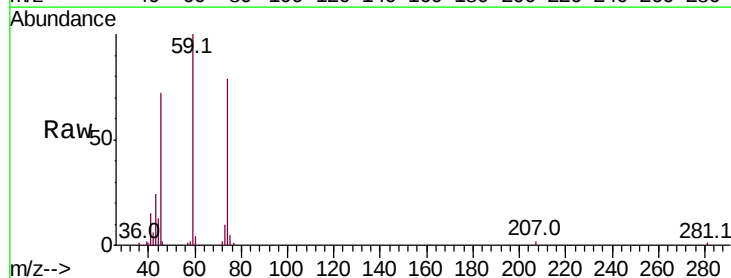
Tot Ion:101 Resp: 38870
 Ion Ratio Lower Upper
 101 100
 103 64.7 53.2 79.8

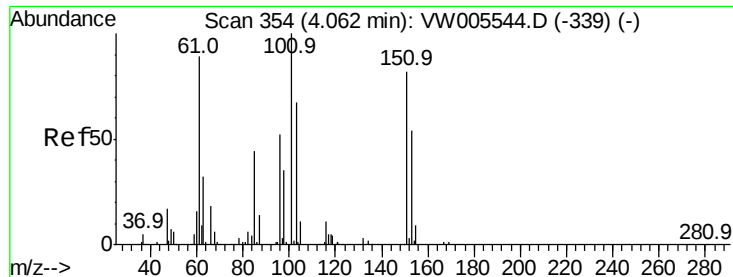


#8

Diethyl Ether
 Concen: 19.225 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW005578.D
 Acq: 24 Sep 2018 12:21

Tgt Ion: 74 Resp: 20226
 Ion Ratio Lower Upper
 74 100
 45 100.5 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.245 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

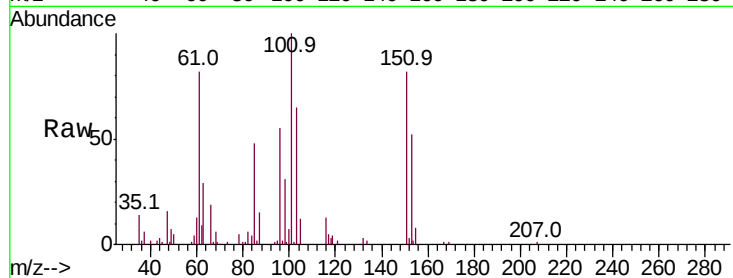
Tot Ion:101 Resp: 45352

Ion Ratio Lower Upper

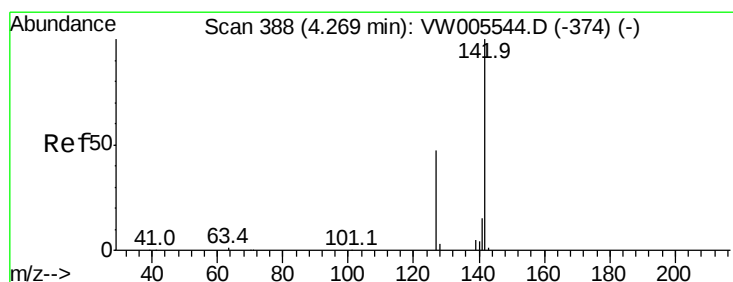
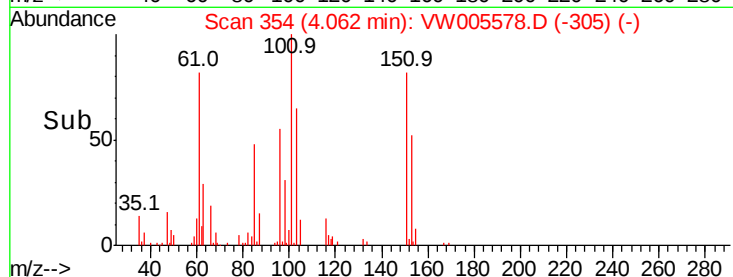
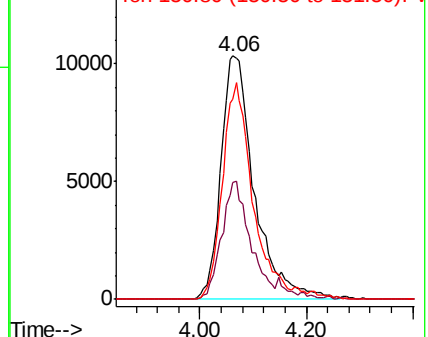
101 100

85 41.3 36.4 54.6

151 79.9 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: 21.009 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

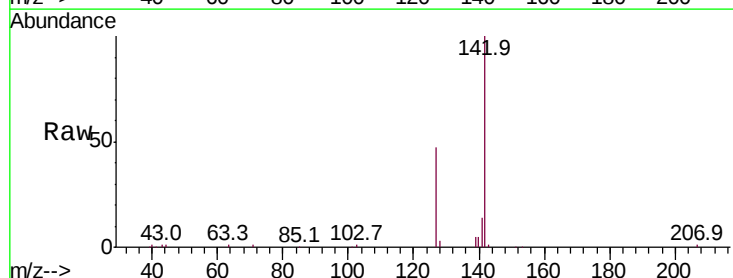
Tgt Ion:142 Resp: 65870

Ion Ratio Lower Upper

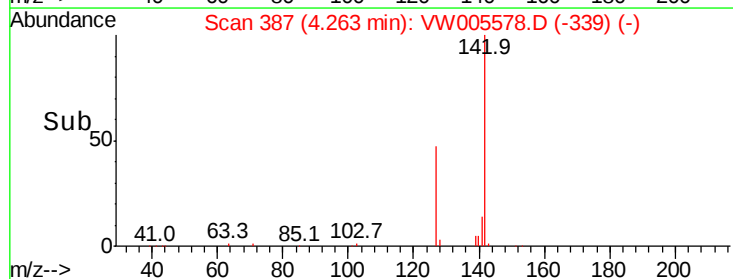
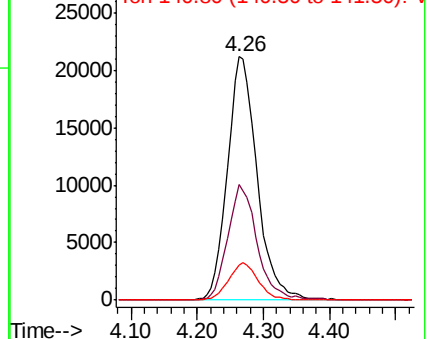
142 100

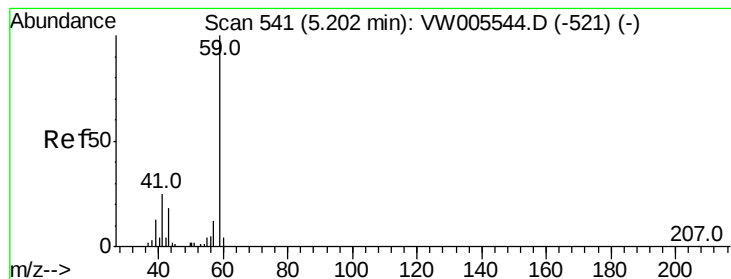
127 47.1 37.4 56.0

141 15.2 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: 91.953 ug/l

RT: 5.21 min Scan# 543

Delta R.T. 0.01 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampled :

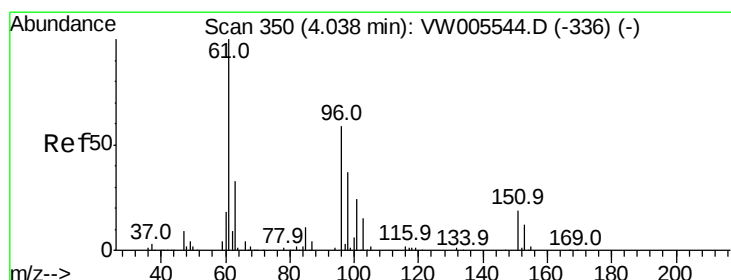
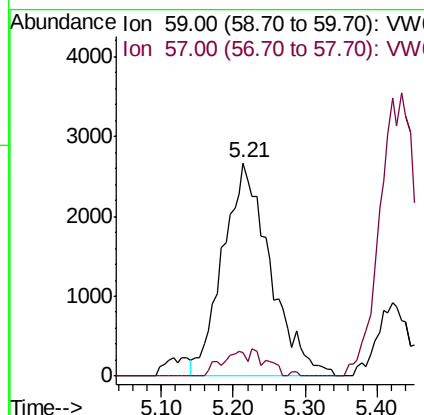
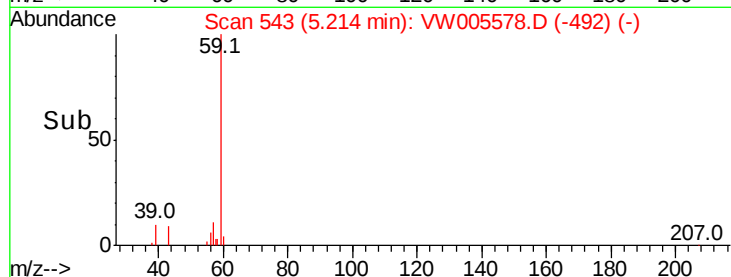
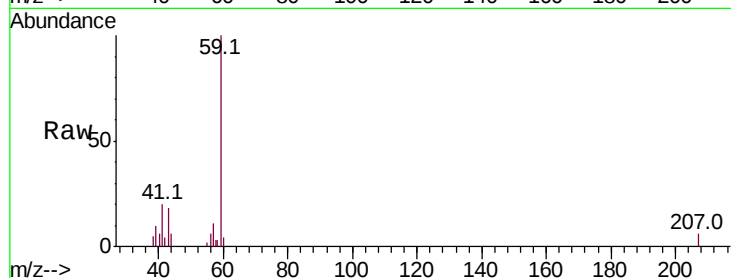
VW0924SBS01

Tot Ion: 59 Resp: 12182

Ion Ratio Lower Upper

59 100

57 6.3 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 21.508 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

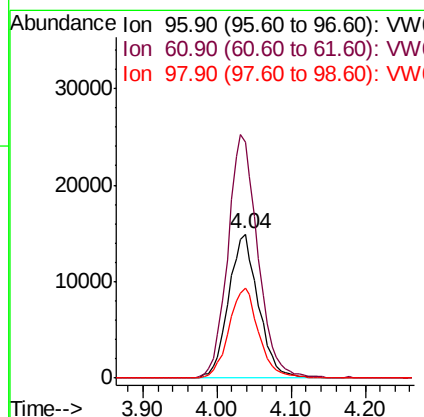
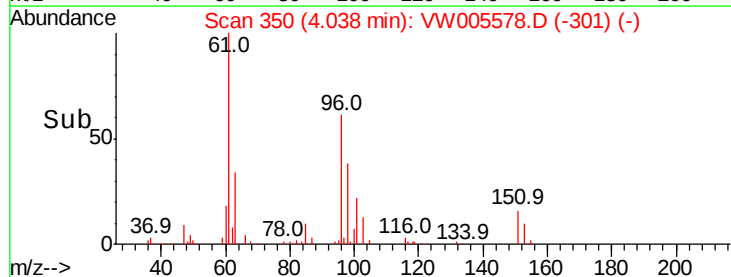
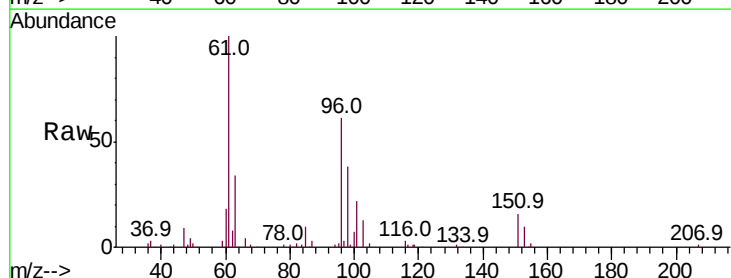
Tgt Ion: 96 Resp: 41979

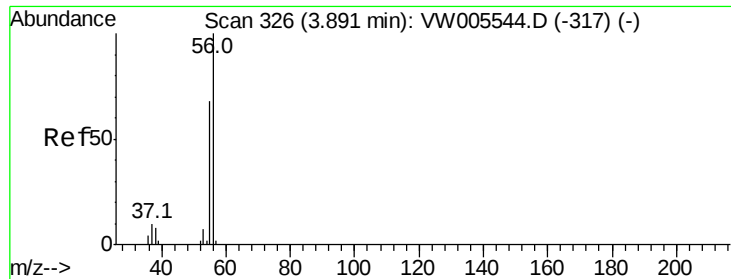
Ion Ratio Lower Upper

96 100

61 164.3 135.0 202.6

98 62.6 50.6 76.0

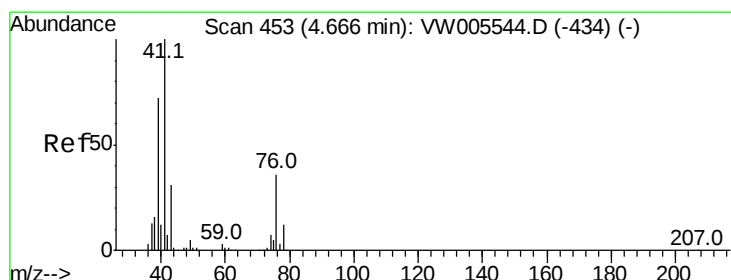
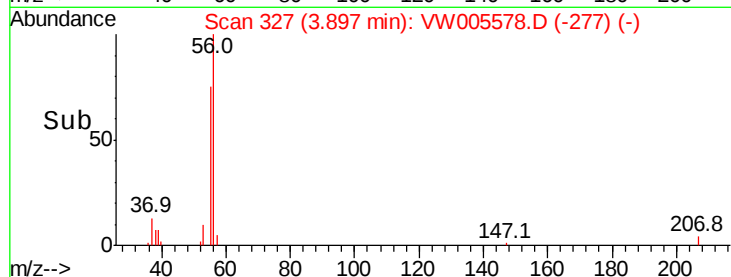
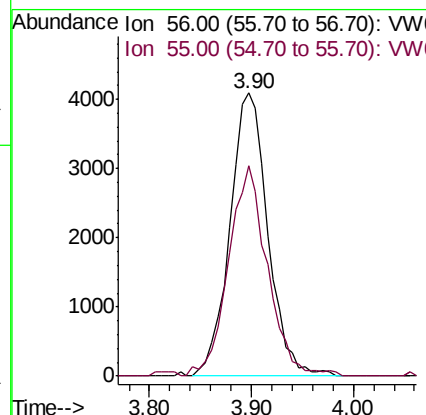
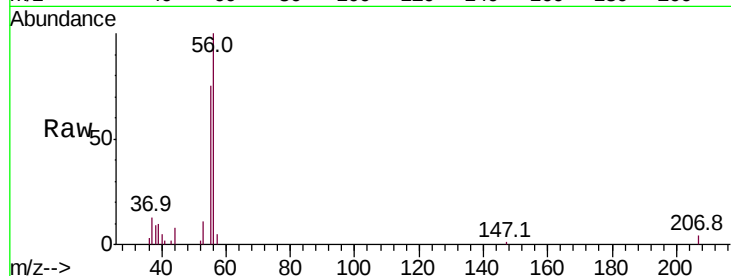




#13
Acrolein
Concen: 109.970 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

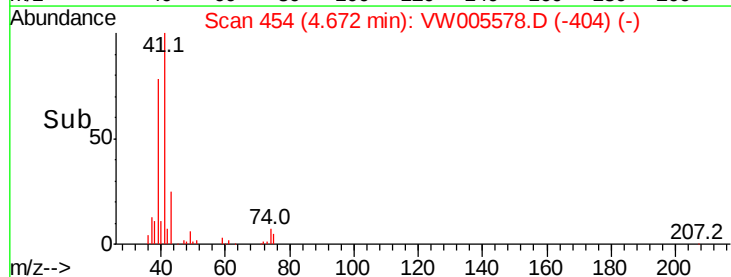
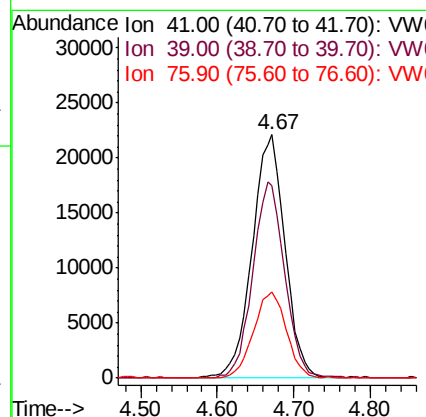
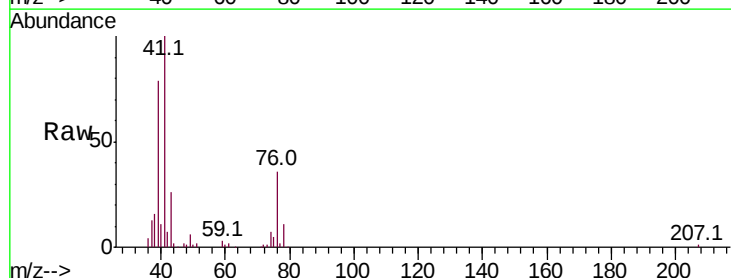
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

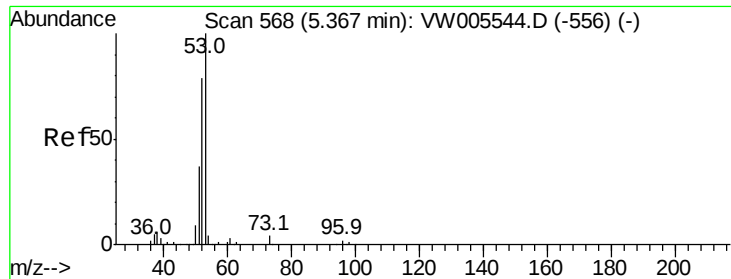
Tot Ion: 56 Resp: 10547
Ion Ratio Lower Upper
56 100
55 76.4 57.8 86.8



#14
Allyl chloride
Concen: 19.438 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

Tgt Ion: 41 Resp: 66212
Ion Ratio Lower Upper
41 100
39 78.4 59.6 89.4
76 35.5 27.7 41.5





#15

Acrylonitrile

Concen: 87.078 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

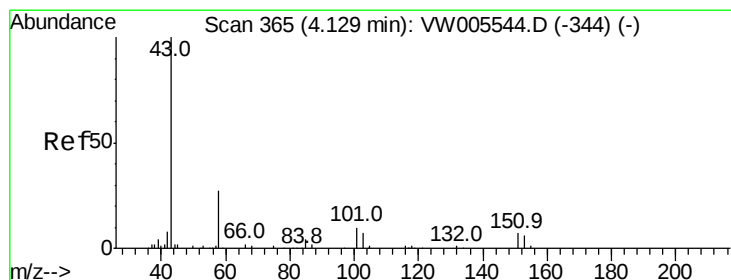
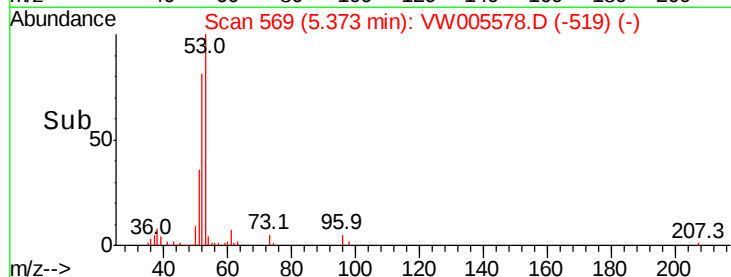
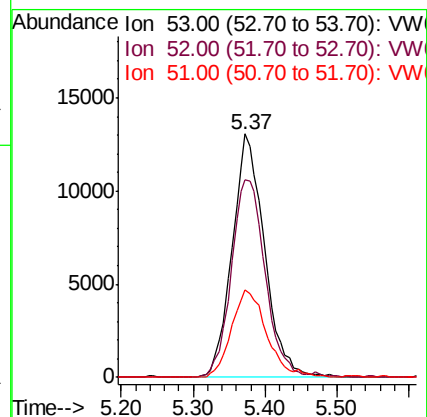
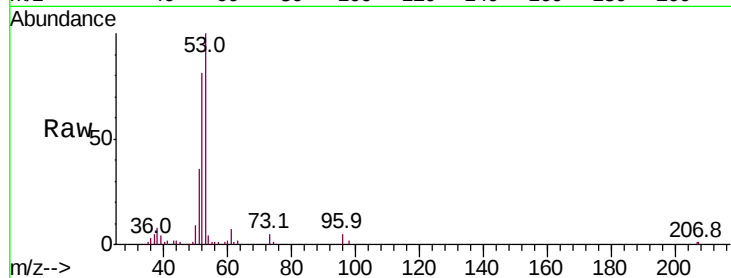
Tot Ion: 53 Resp: 40675

Ion Ratio Lower Upper

53 100

52 85.0 66.5 99.7

51 39.3 30.6 46.0



#16

Acetone

Concen: 110.318 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW005578.D

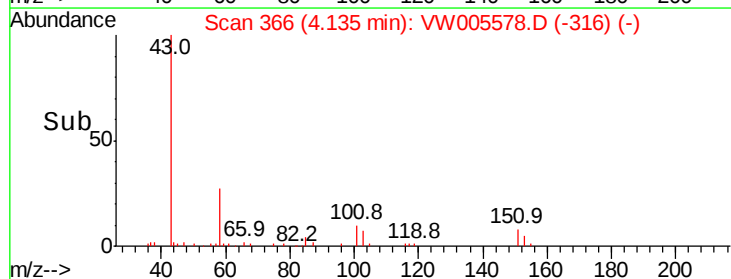
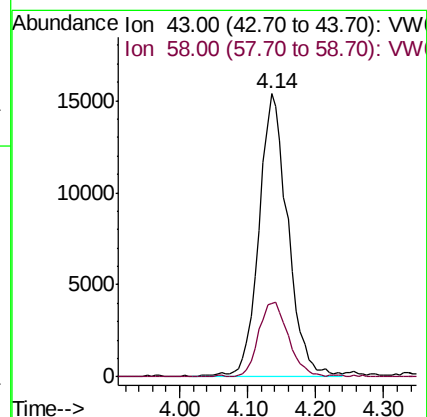
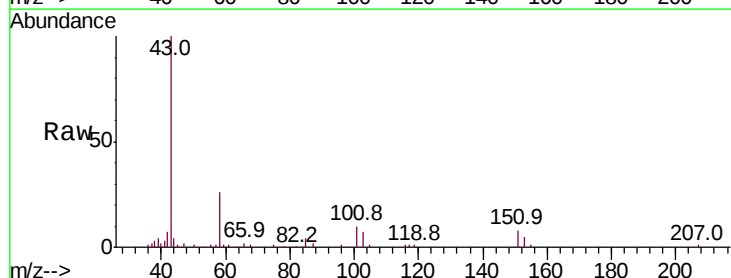
Acq: 24 Sep 2018 12:21

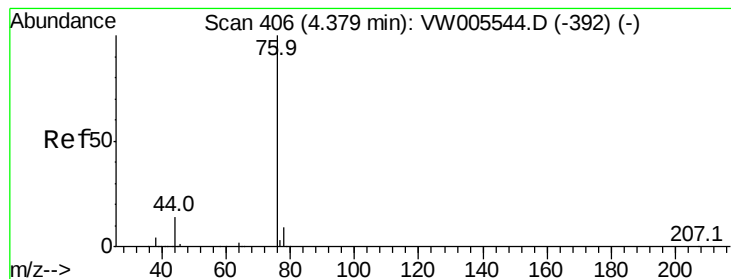
Tgt Ion: 43 Resp: 45878

Ion Ratio Lower Upper

43 100

58 25.9 21.8 32.8





#17

Carbon Disulfide

Concen: 21.609 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

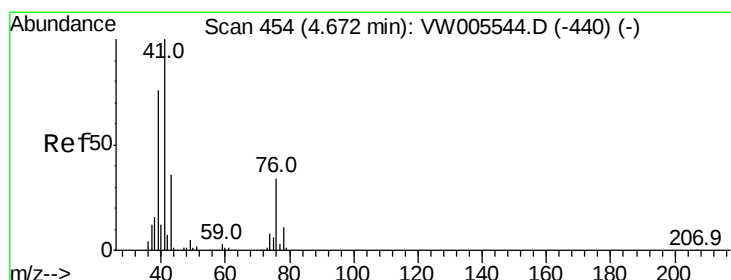
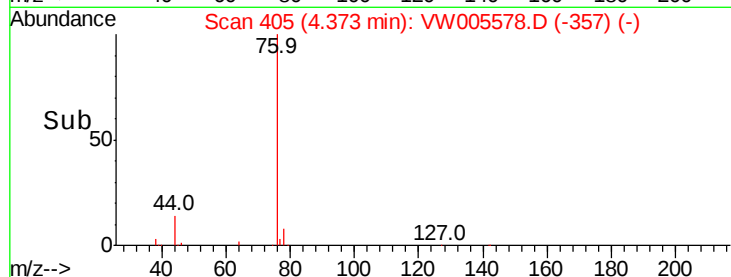
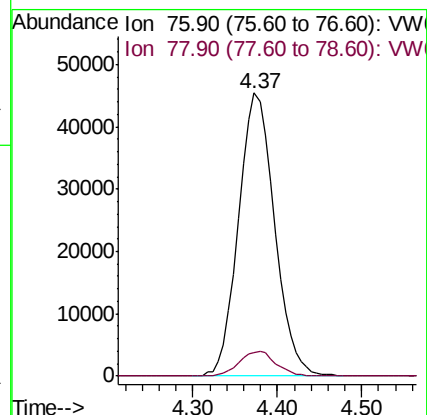
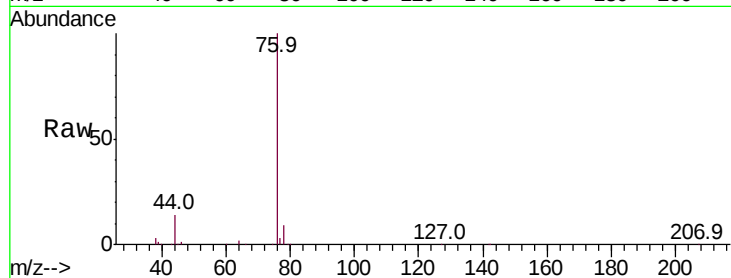
VW0924SBS01

Tot Ion: 76 Resp: 131780

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.0



#18

Methyl Acetate

Concen: 16.226 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW005578.D

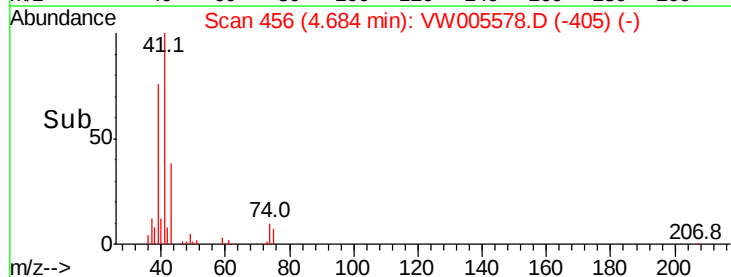
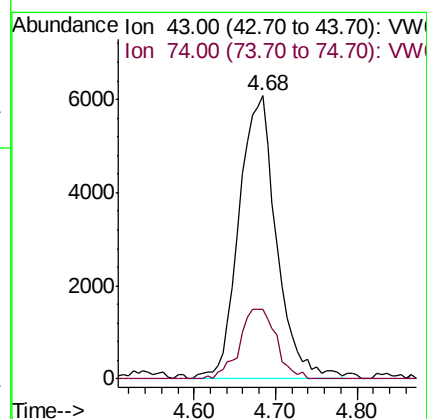
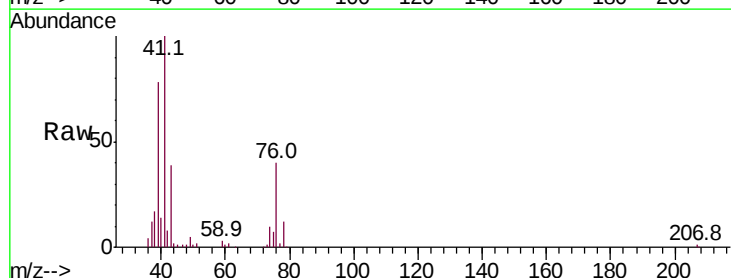
Acq: 24 Sep 2018 12:21

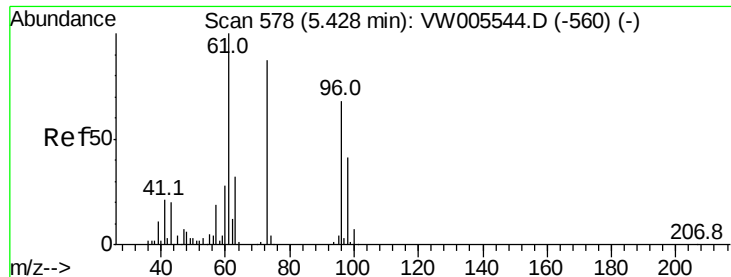
Tgt Ion: 43 Resp: 19416

Ion Ratio Lower Upper

43 100

74 24.1 19.2 28.8

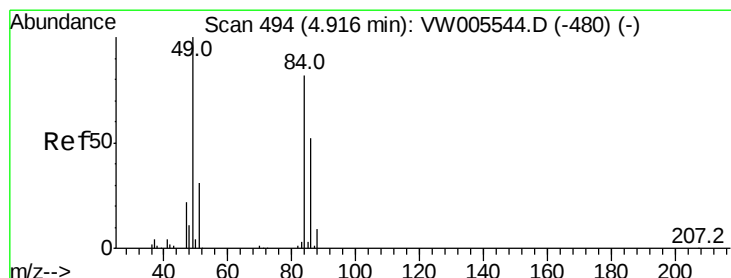
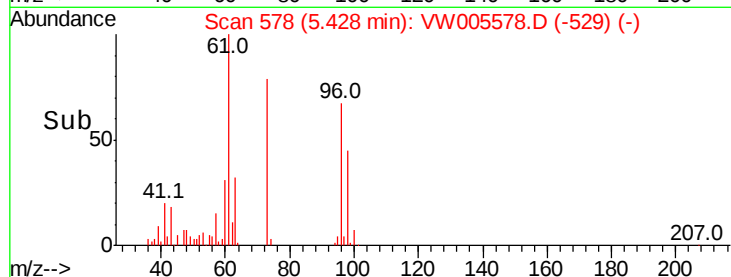
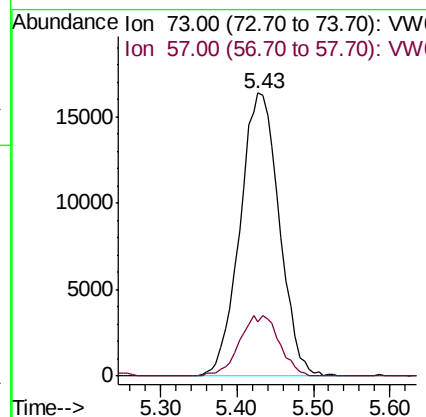
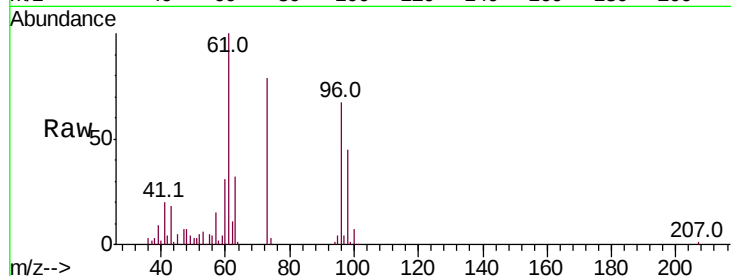




#19
Methyl tert-butyl Ether
Concen: 19.363 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

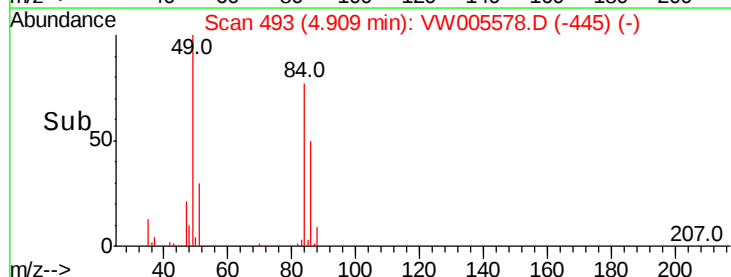
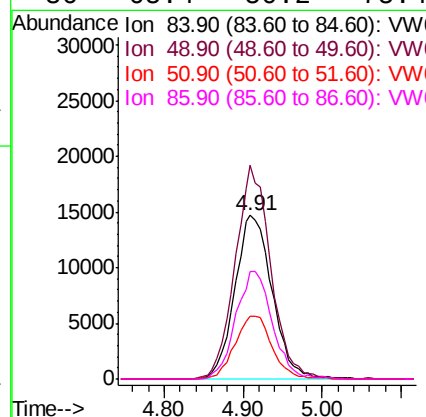
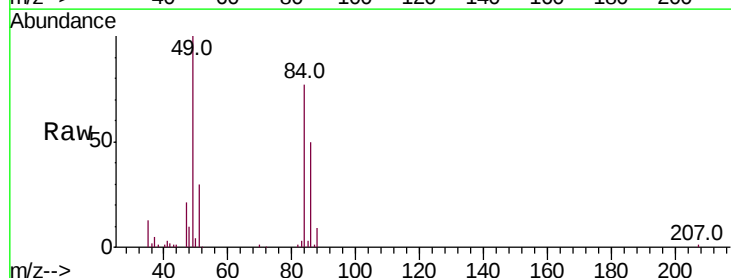
Instrument :
MSVOA_W
ClientSampled :
VW0924SBS01

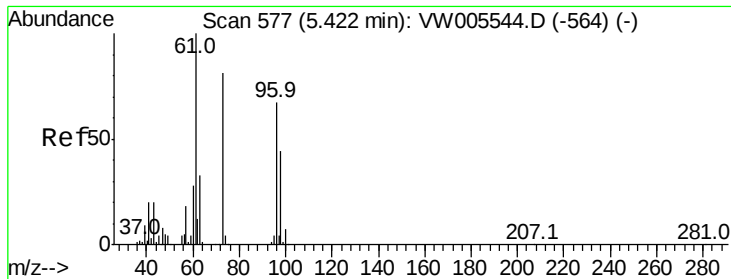
Tot Ion: 73 Resp: 58333
Ion Ratio Lower Upper
73 100
57 19.1 17.6 26.4



#20
Methylene Chloride
Concen: 20.276 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

Tgt Ion: 84 Resp: 48281
Ion Ratio Lower Upper
84 100
49 130.3 97.0 145.6
51 38.7 30.2 45.2
86 65.4 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 20.310 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

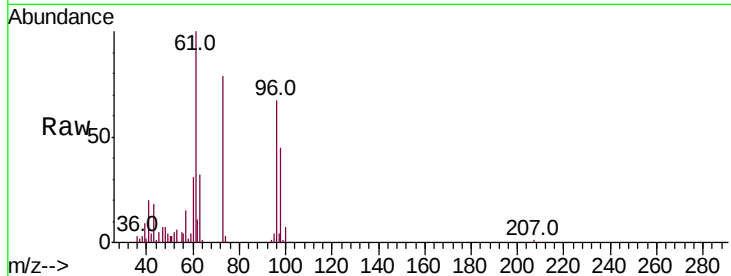
Tot Ion: 96 Resp: 43418

Ion Ratio Lower Upper

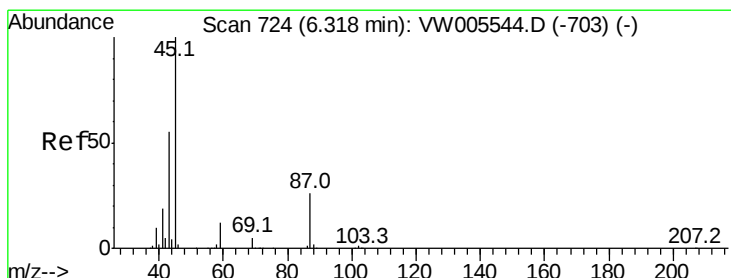
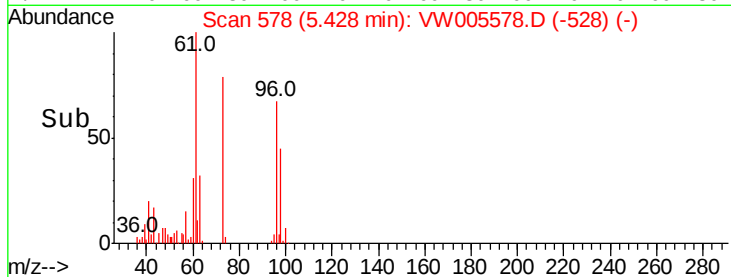
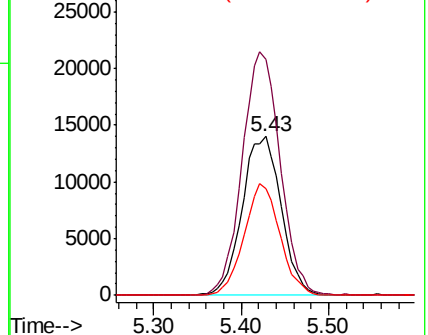
96 100

61 148.7 118.9 178.3

98 67.4 52.1 78.1



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



#22

Diisopropyl ether

Concen: 19.333 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Tgt Ion: 45 Resp: 127838

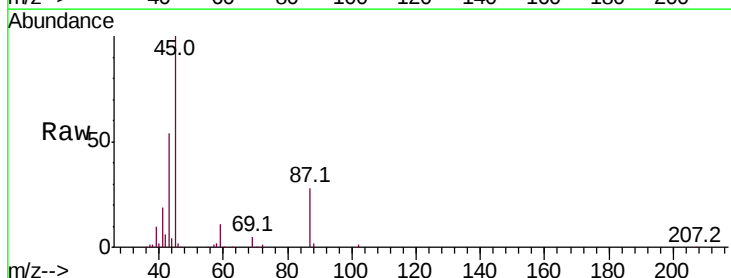
Ion Ratio Lower Upper

45 100

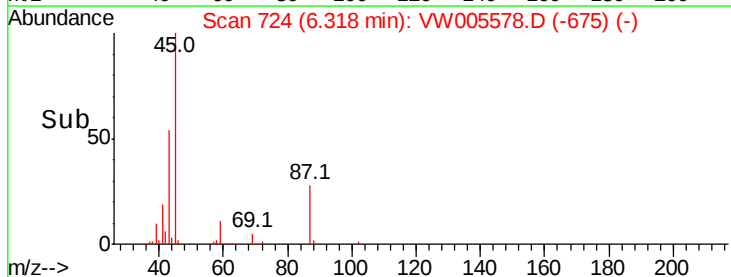
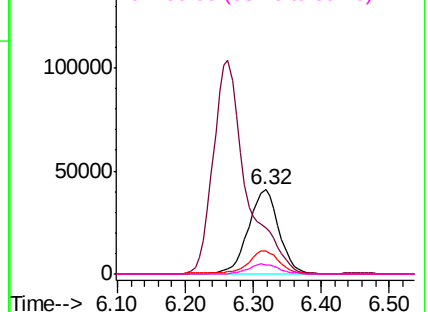
43 53.7 44.2 66.4

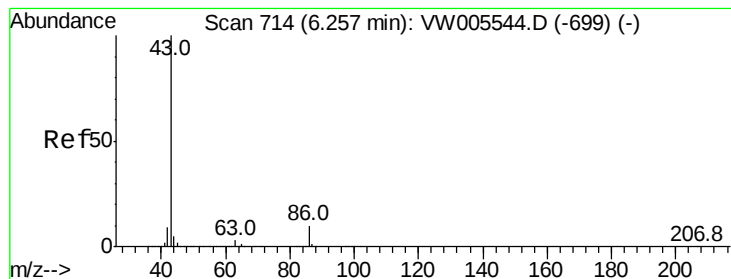
87 27.8 21.4 32.2

59 11.2 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 92.592 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

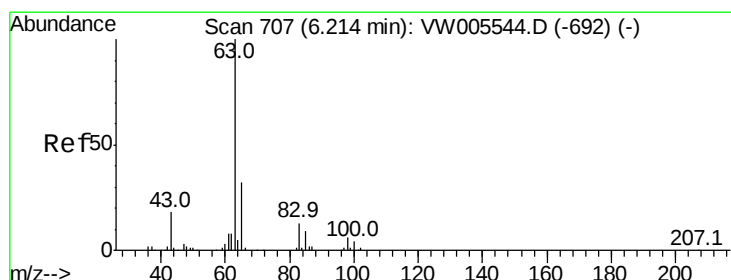
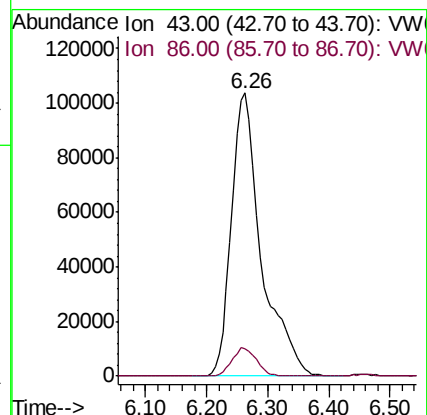
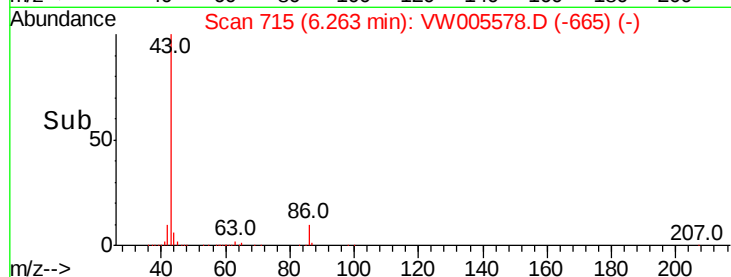
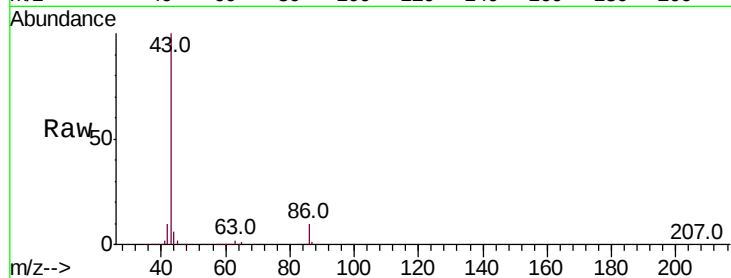
VW0924SBS01

Tot Ion: 43 Resp: 349947

Ion Ratio Lower Upper

43 100

86 9.7 7.7 11.5



#24

1,1-Dichloroethane

Concen: 20.114 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

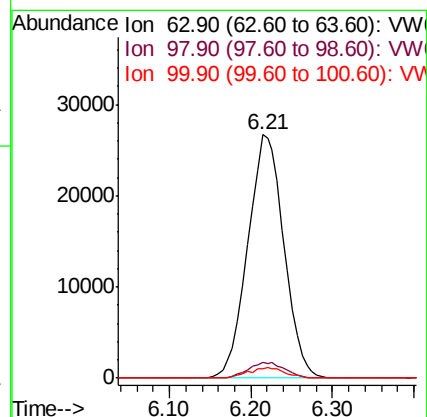
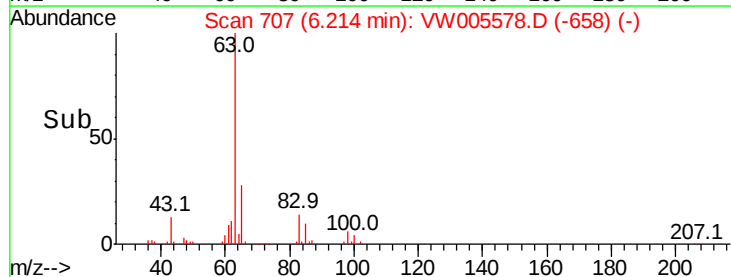
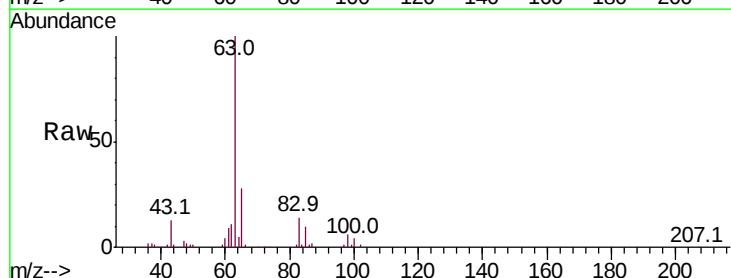
Tgt Ion: 63 Resp: 82174

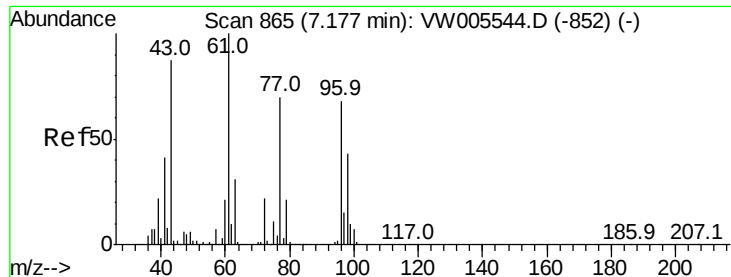
Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.8

100 3.9 2.1 6.2





#25

2-Butanone

Concen: 84.896 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

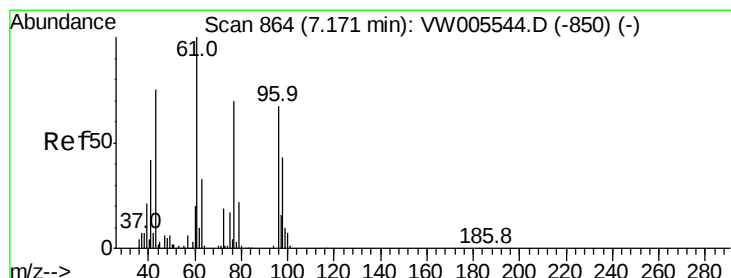
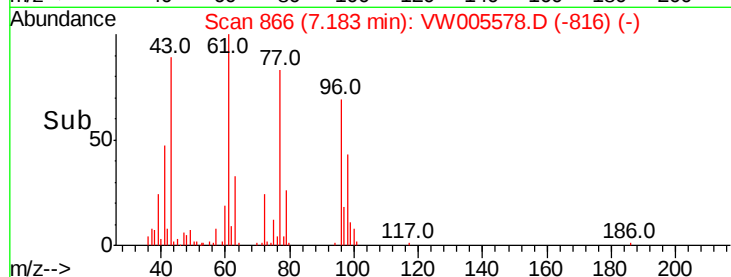
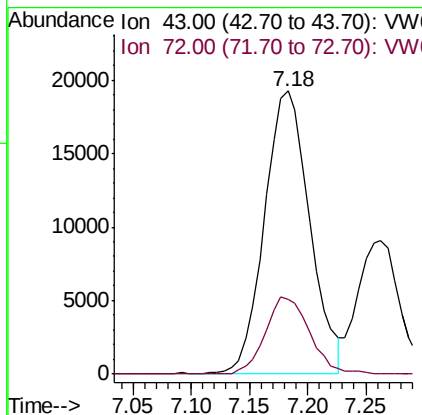
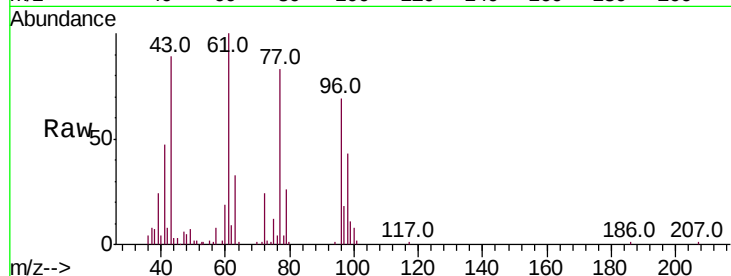
Instrument :
MSVOA_W
ClientSampled :
VW0924SBS01

Tot Ion: 43 Resp: 52057

Ion Ratio Lower Upper

43 100

72 26.5 19.9 29.9



#26

2,2-Dichloropropane

Concen: 21.933 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW005578.D

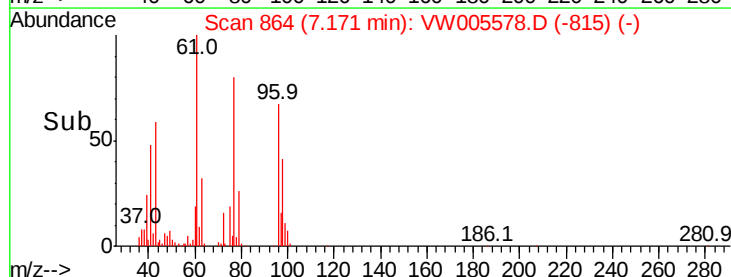
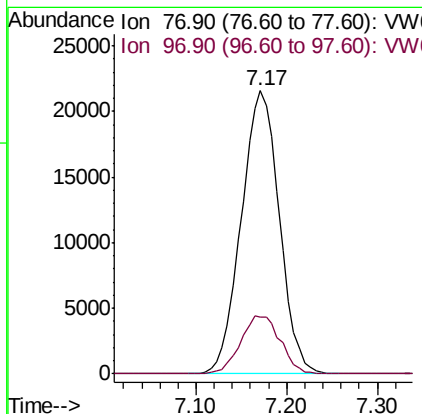
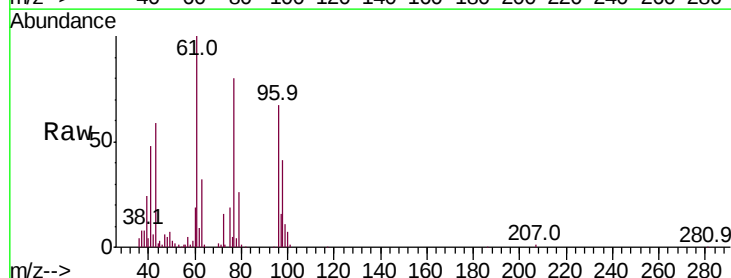
Acq: 24 Sep 2018 12:21

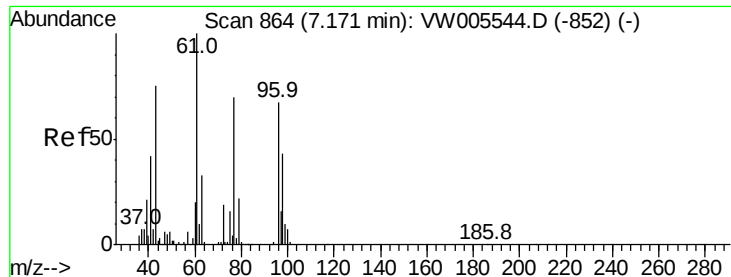
Tgt Ion: 77 Resp: 62556

Ion Ratio Lower Upper

77 100

97 21.3 11.0 33.0



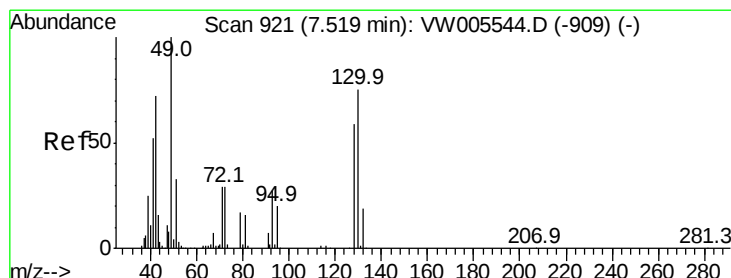
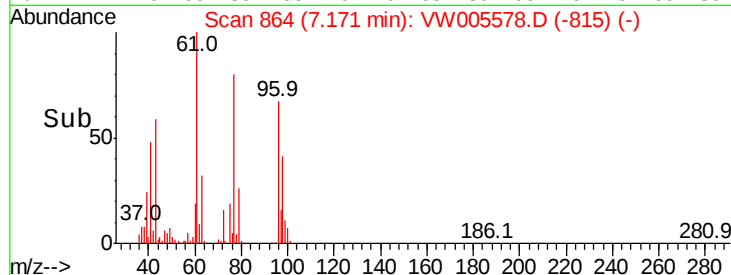
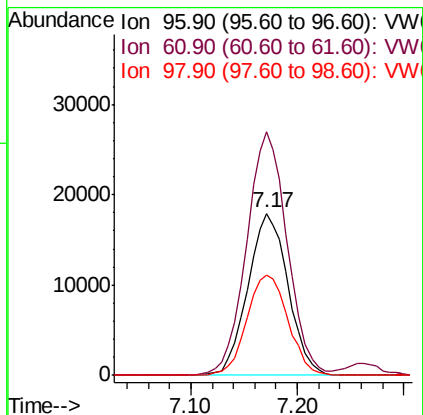
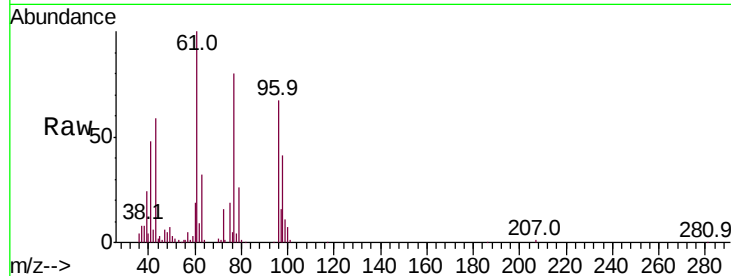


#27

cis-1,2-Dichloroethene
Concen: 20.103 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

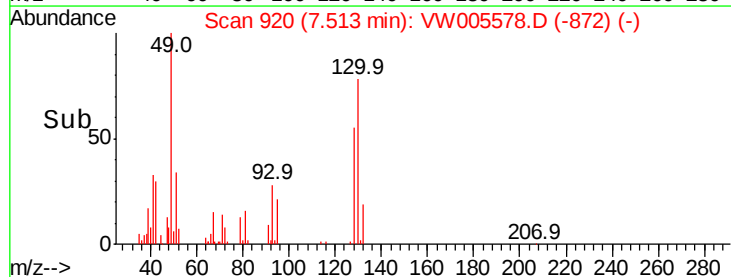
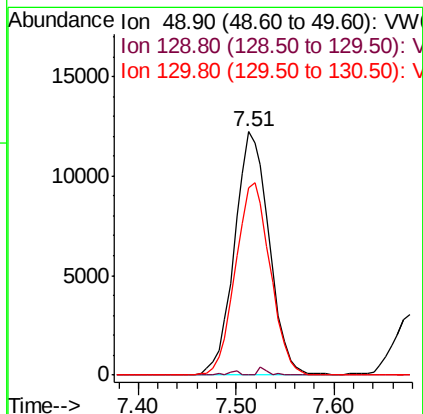
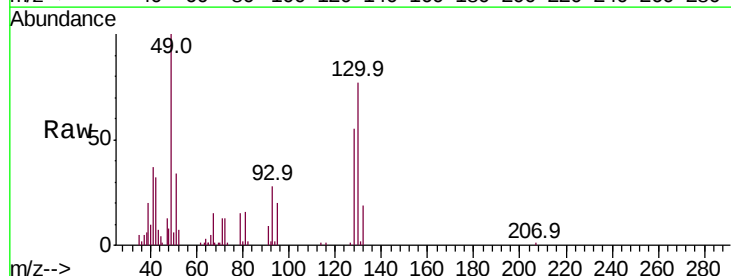
Tot Ion	Ratio	Lower	Upper
96	100		
61	151.5	0.0	303.4
98	63.3	0.0	127.2

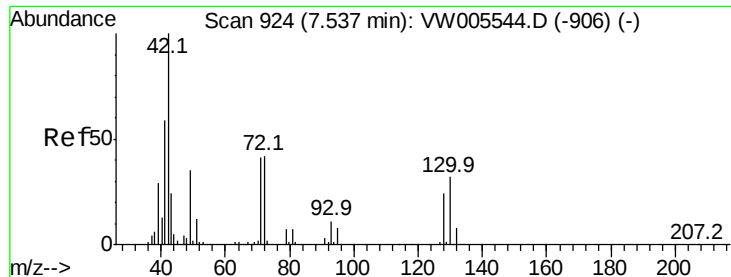


#28

Bromochloromethane
Concen: 18.502 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	1.4
130	79.5	61.3	91.9

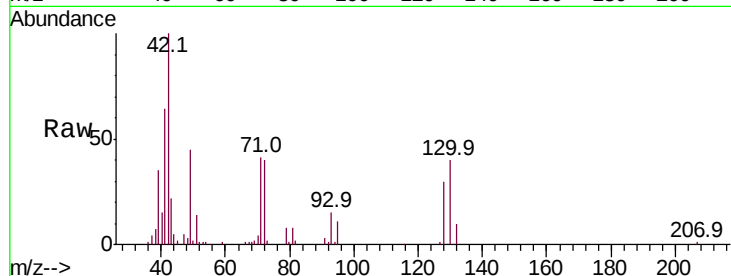




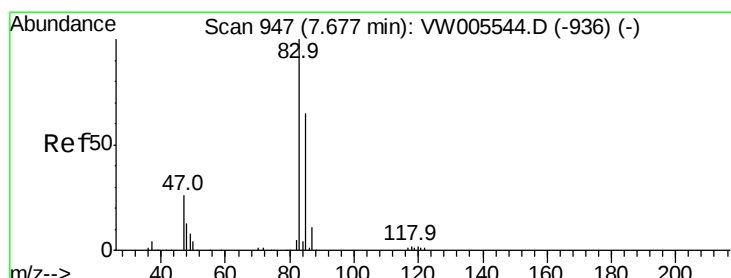
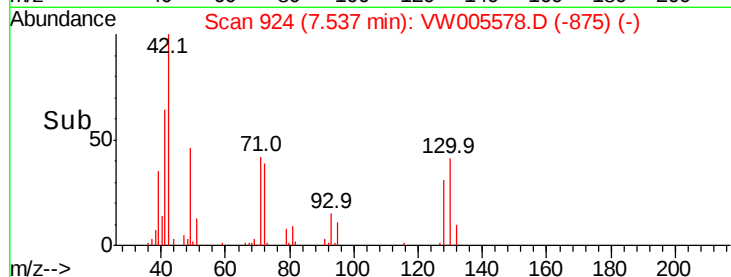
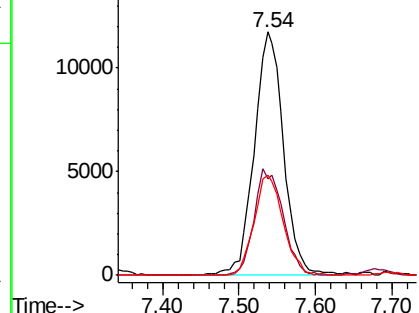
#29
Tetrahydrofuran
Concen: 81.837 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tot Ion: 42 Resp: 31350
Ion Ratio Lower Upper
42 100
72 43.1 33.6 50.4
71 40.5 31.8 47.6

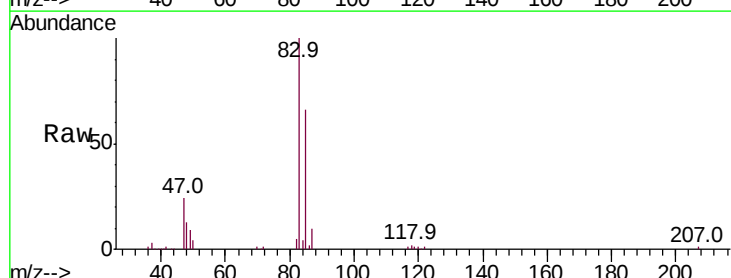


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

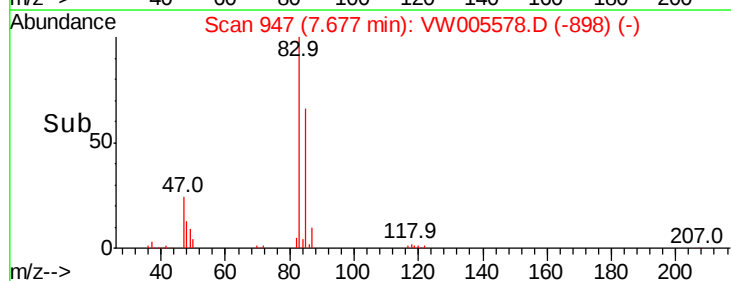
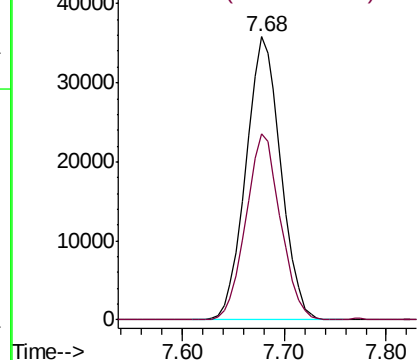


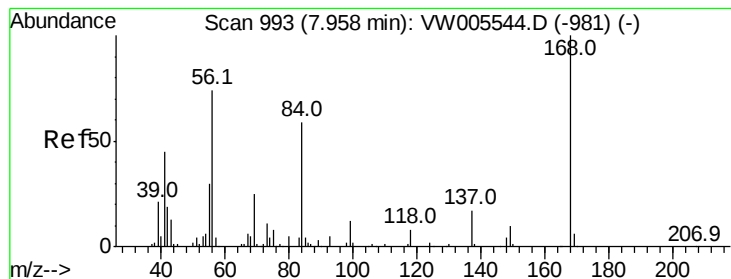
#30
Chloroform
Concen: 20.154 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

Tgt Ion: 83 Resp: 85005
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

Cvclohexane

Concen: 20.237 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

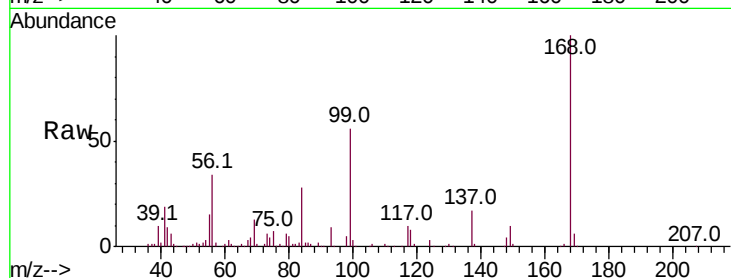
Tot Ion: 56 Resp: 79210

Ion Ratio Lower Upper

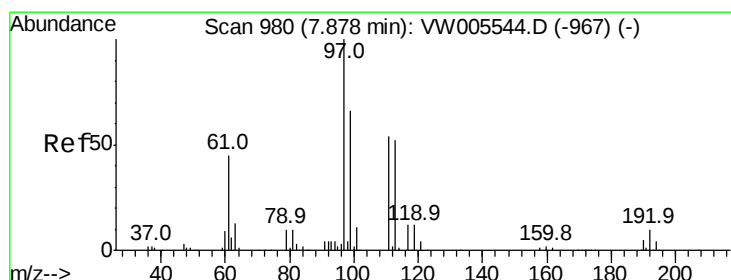
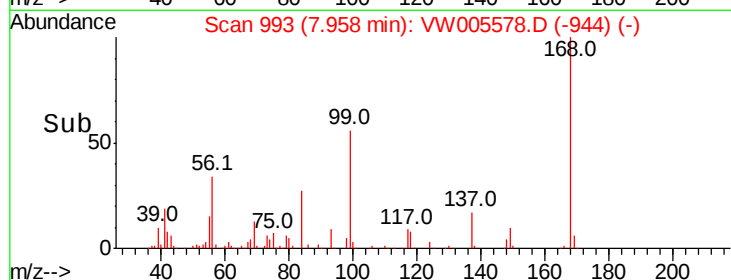
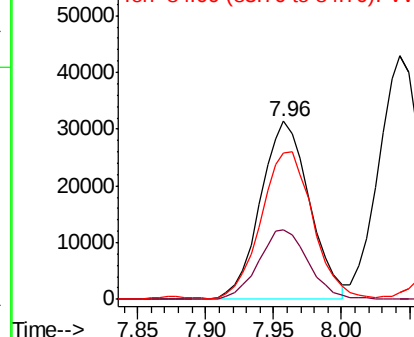
56 100

69 38.8 27.0 40.4

84 80.9 64.2 96.4



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



#32

1,1,1-Trichloroethane

Concen: 21.374 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

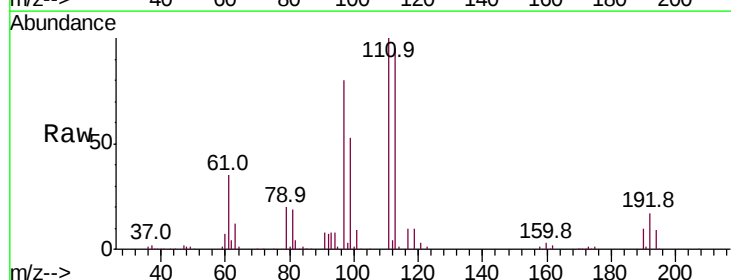
Tgt Ion: 97 Resp: 79638

Ion Ratio Lower Upper

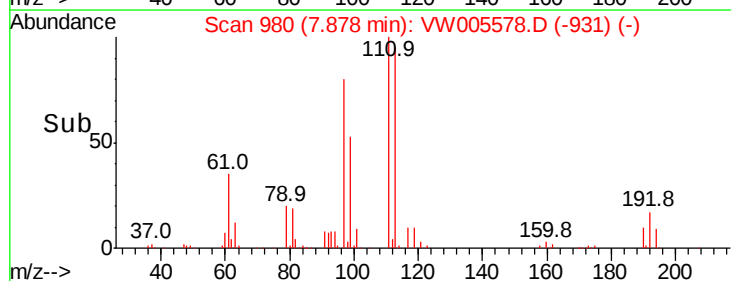
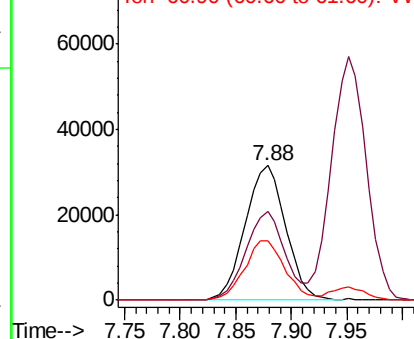
97 100

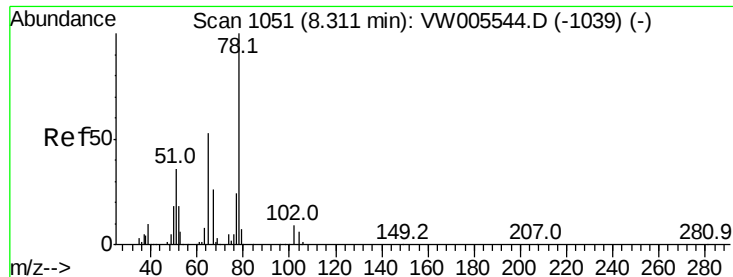
99 64.7 51.0 76.6

61 44.5 36.2 54.2



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

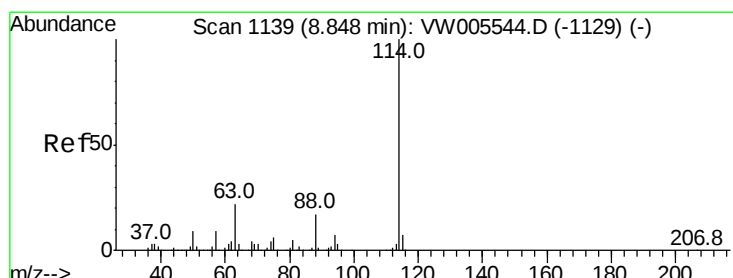
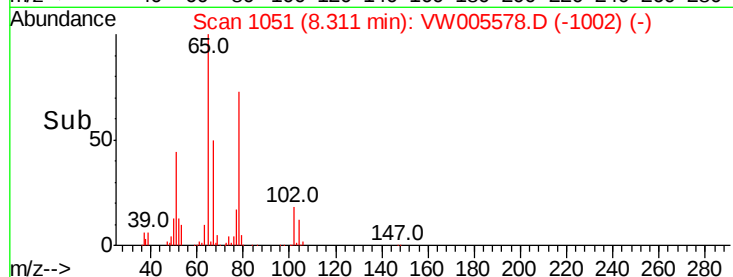
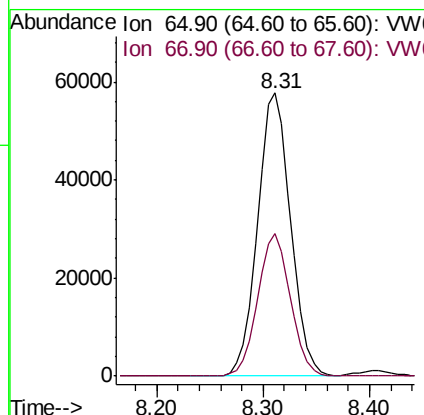
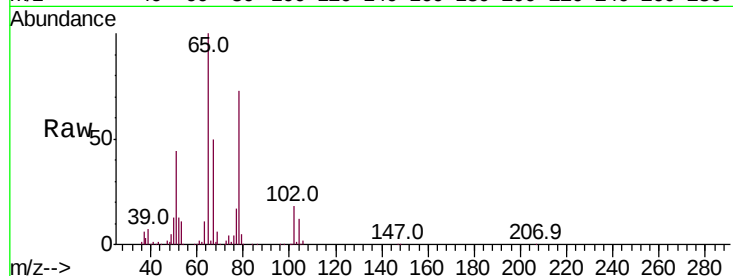




#33
 1,2-Dichloroethane-d4
 Concen: 49.664 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005578.D
 Acq: 24 Sep 2018 12:21

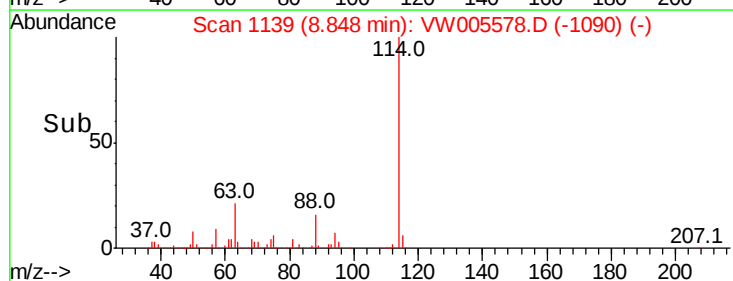
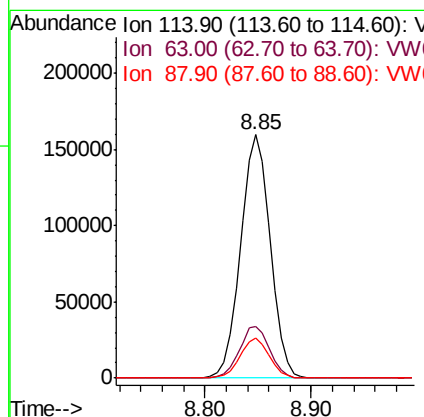
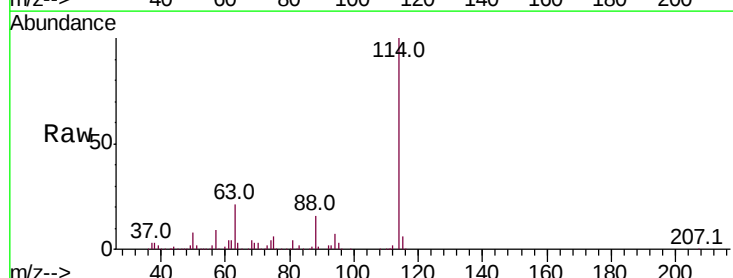
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

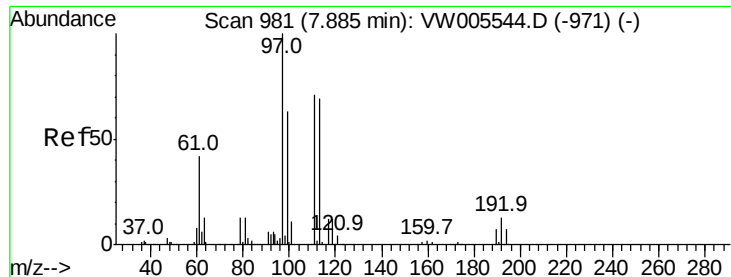
Tot Ion: 65 Resp: 125385
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005578.D
 Acq: 24 Sep 2018 12:21

Tgt Ion: 114 Resp: 311128
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.0
 88 16.2 0.0 33.0

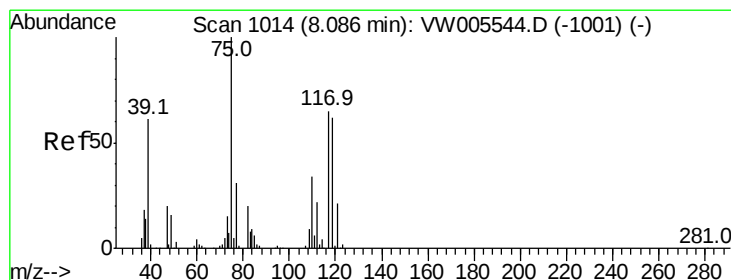
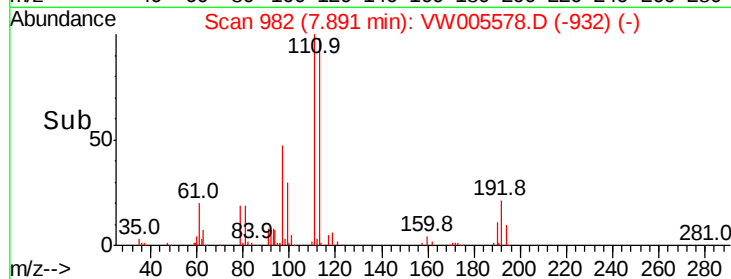
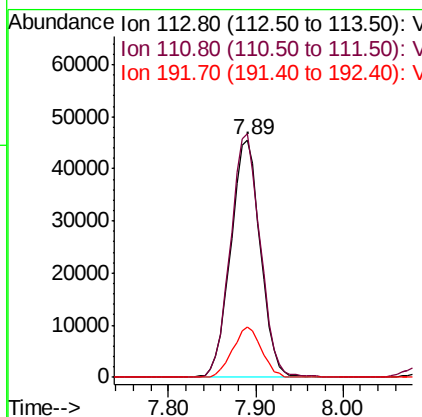
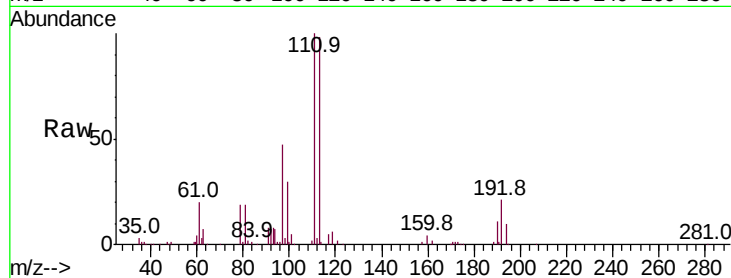




#35
 Dibromofluoromethane
 Concen: 54.999 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005578.D
 Acq: 24 Sep 2018 12:21

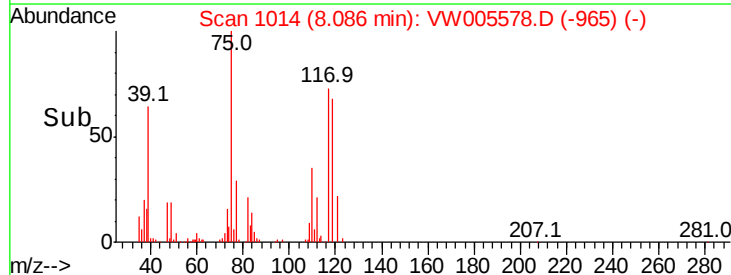
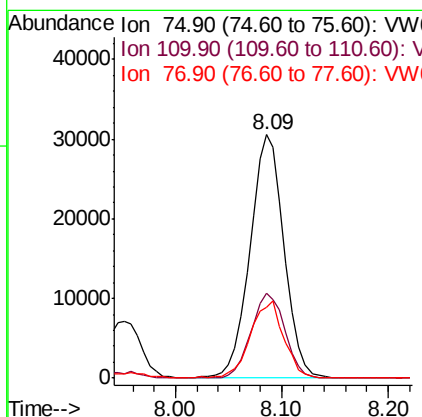
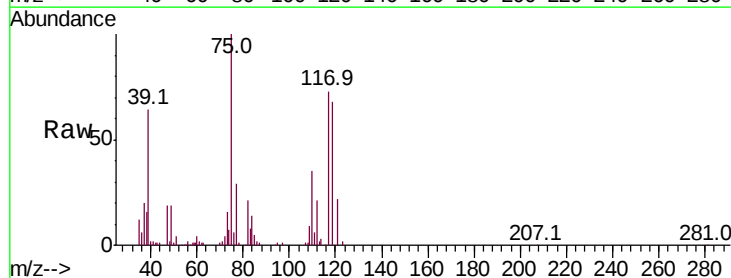
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

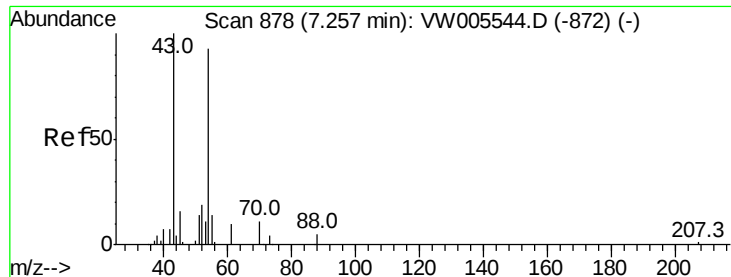
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	123.8
192	20.8	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 21.834 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW005578.D
 Acq: 24 Sep 2018 12:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.0	50.9
77	31.3	24.8	37.2

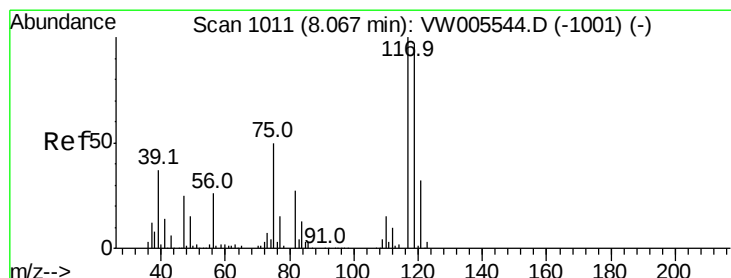
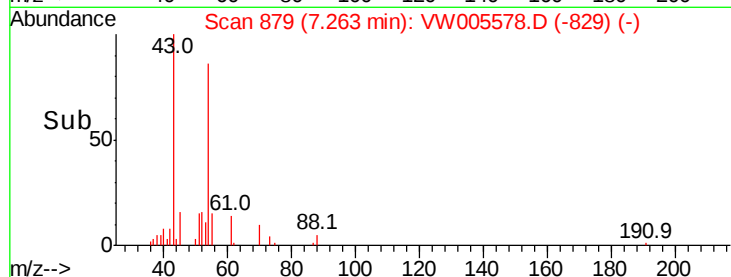
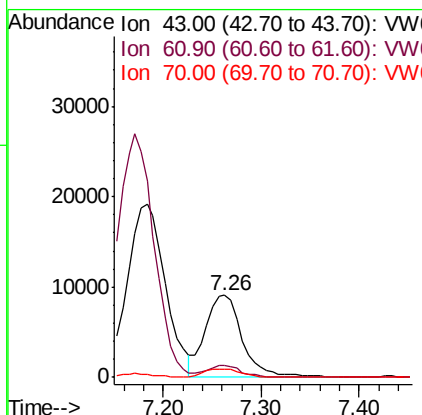
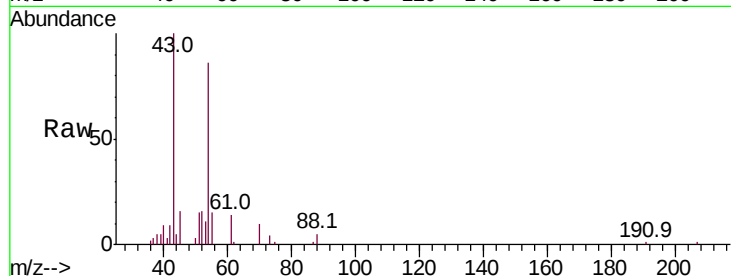




#37
Ethyl Acetate
Concen: 18.253 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

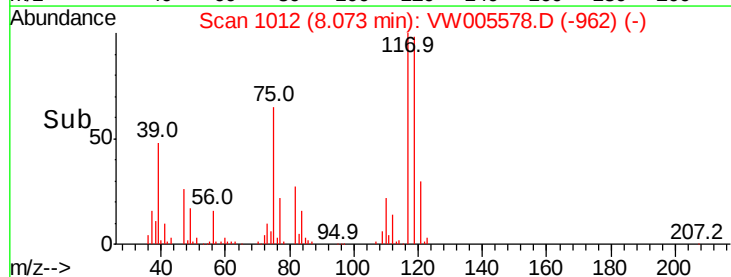
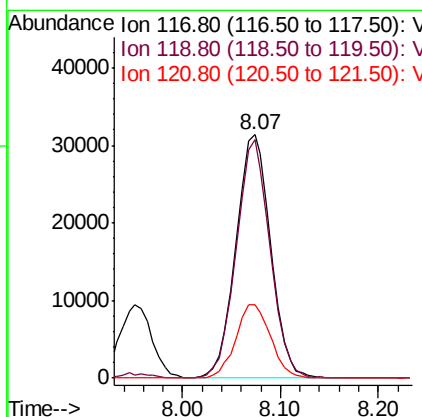
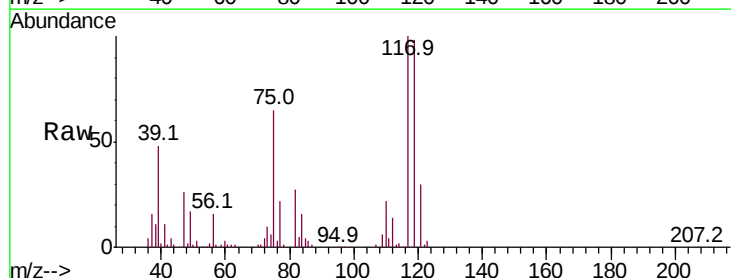
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

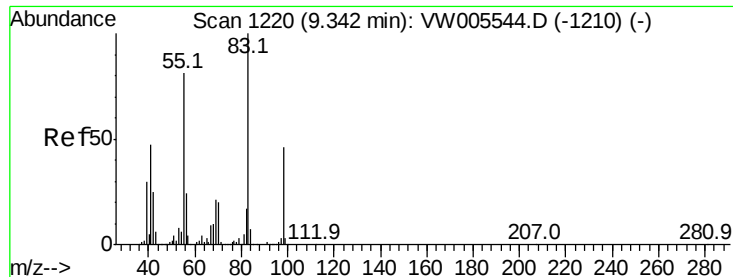
Tot Ion: 43 Resp: 24058
Ion Ratio Lower Upper
43 100
61 13.2 10.4 15.6
70 10.0 8.2 12.2



#38
Carbon Tetrachloride
Concen: 23.024 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

Tgt Ion: 117 Resp: 77273
Ion Ratio Lower Upper
117 100
119 97.8 77.6 116.4
121 30.3 25.7 38.5





#39

Methvlcvclohexane

Concen: 22.086 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

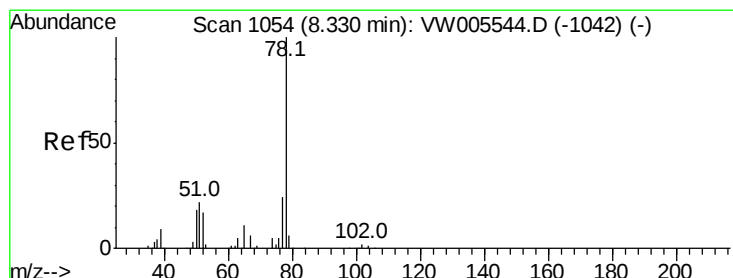
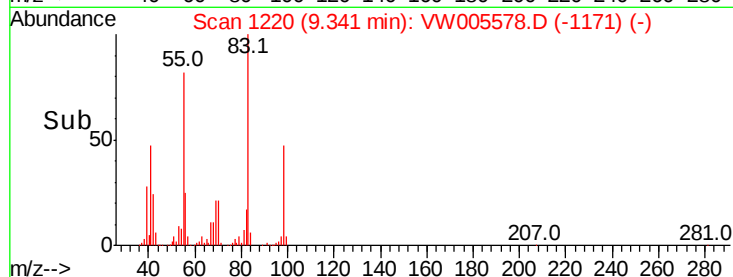
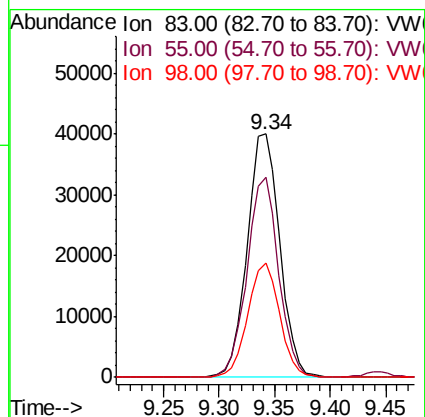
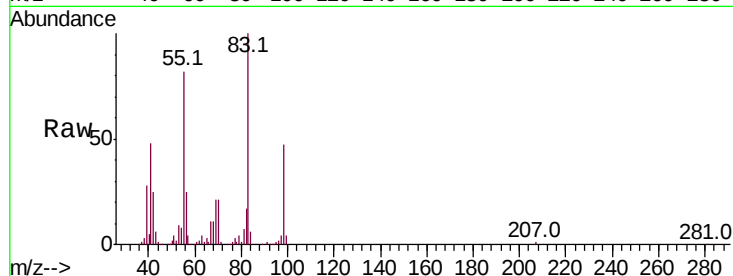
Tot Ion: 83 Resp: 81611

Ion Ratio Lower Upper

83 100

55 82.2 64.6 97.0

98 46.8 37.0 55.6



#40

Benzene

Concen: 20.953 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW005578.D

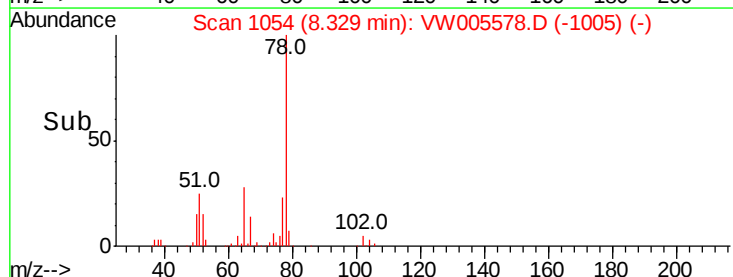
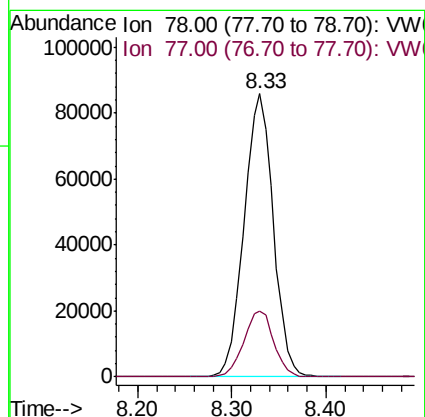
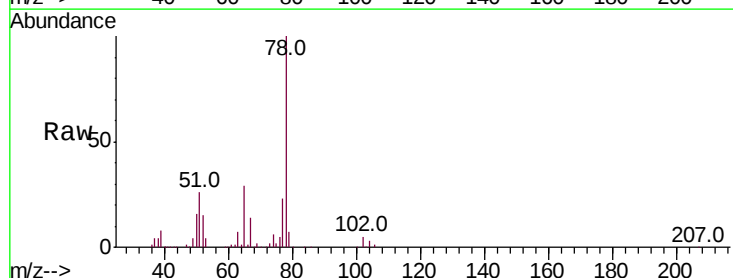
Acq: 24 Sep 2018 12:21

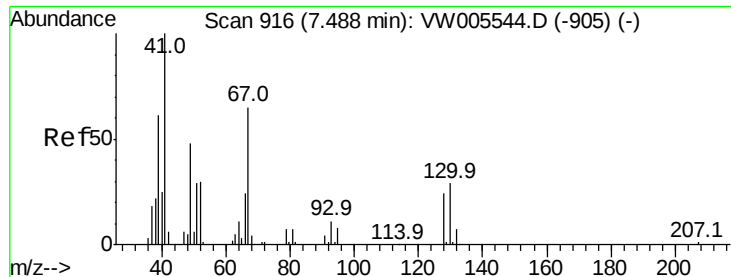
Tgt Ion: 78 Resp: 185937

Ion Ratio Lower Upper

78 100

77 23.2 19.0 28.4

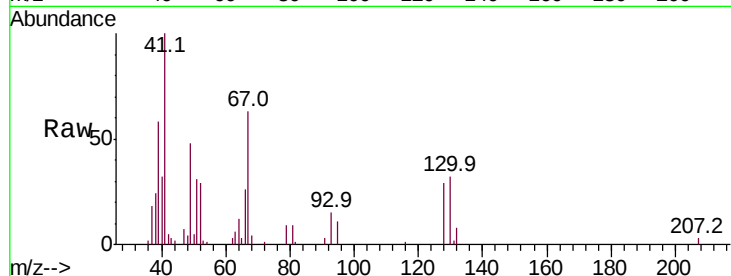




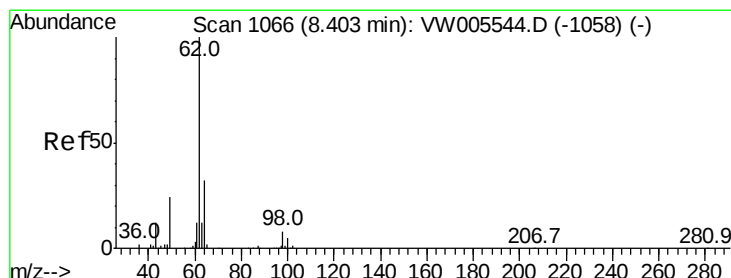
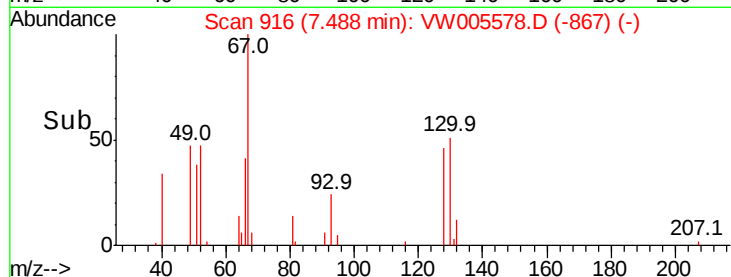
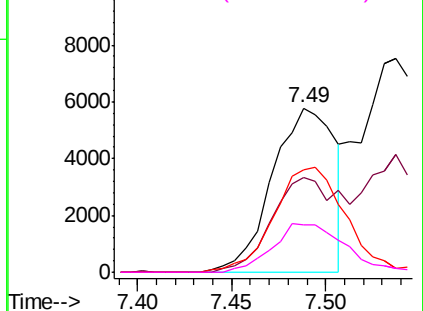
#41
Methacrylonitrile
Concen: 17.787 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tot Ion:	41	Resp:	13341
Ion	Ratio	Lower	Upper
41	100		
39	63.9	45.4	68.2
67	72.2	55.2	82.8
52	34.5	25.3	37.9

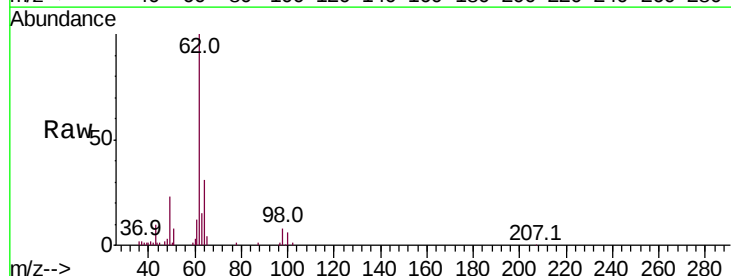


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

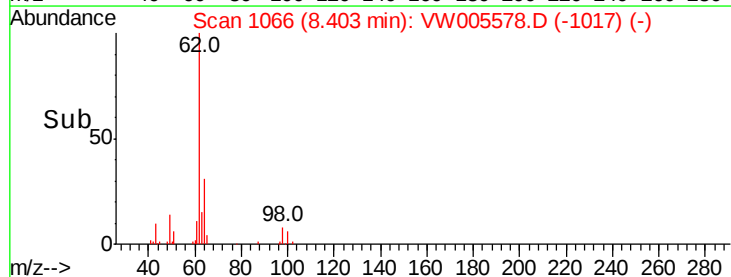
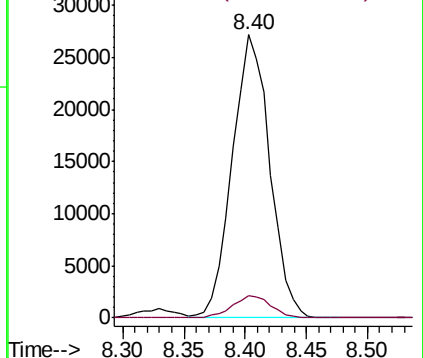


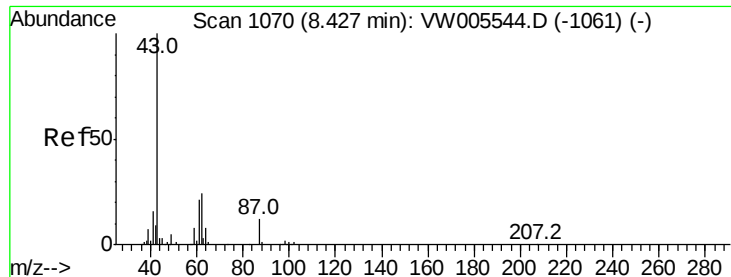
#42
1,2-Dichloroethane
Concen: 20.370 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

Tgt Ion:	62	Resp:	57875
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: 17.603 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

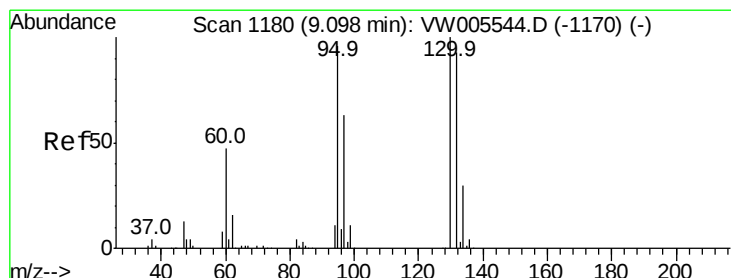
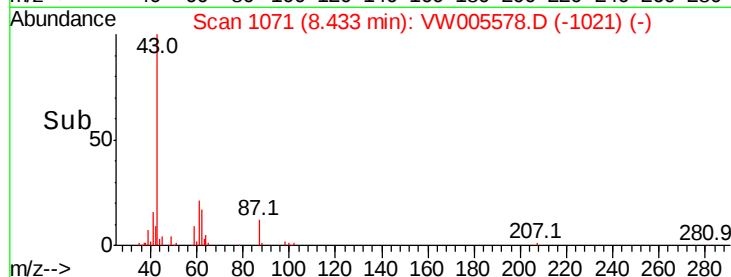
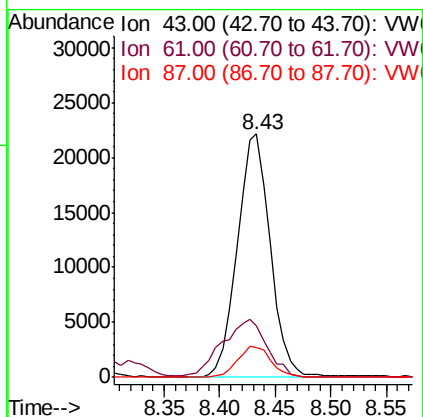
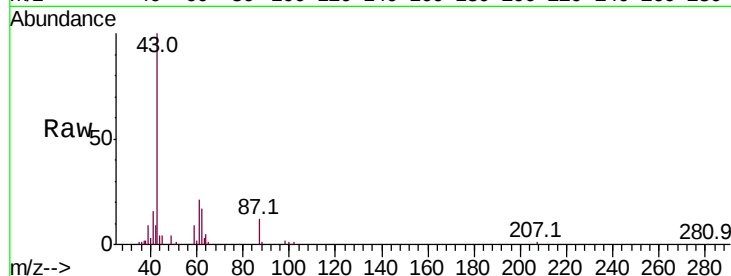
Tot Ion: 43 Resp: 45615

Ion Ratio Lower Upper

43 100

61 32.4 24.1 36.1

87 12.8 9.8 14.8



#44

Trichloroethene

Concen: 21.756 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW005578.D

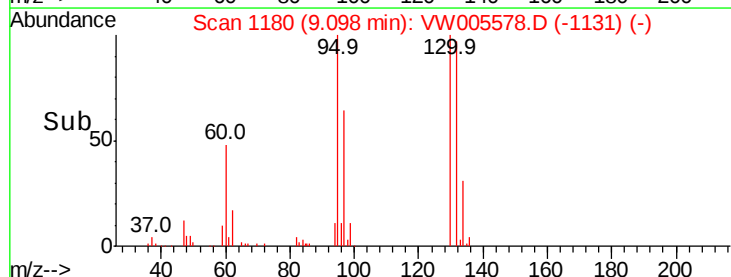
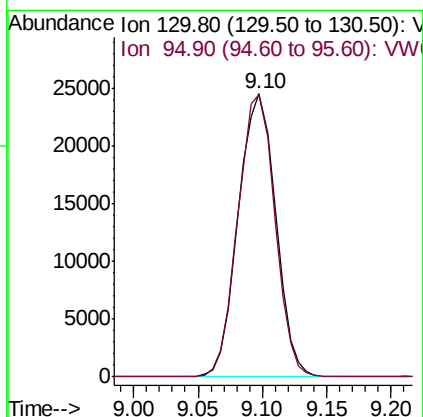
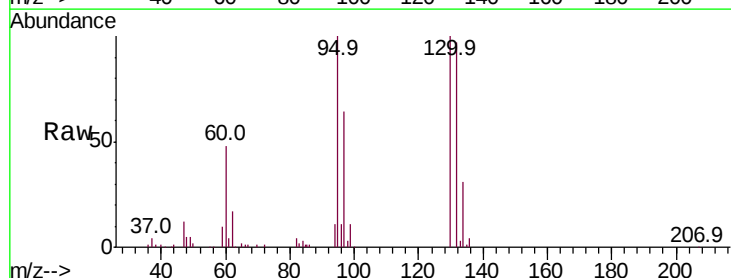
Acq: 24 Sep 2018 12:21

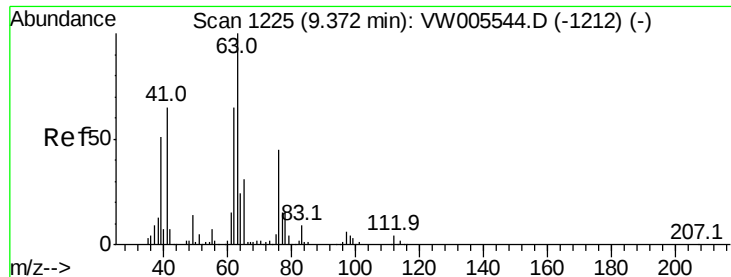
Tgt Ion:130 Resp: 49417

Ion Ratio Lower Upper

130 100

95 99.9 0.0 191.2





#45

1,2-Dichloropropane

Concen: 19.884 ug/l

RT: 9.38 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

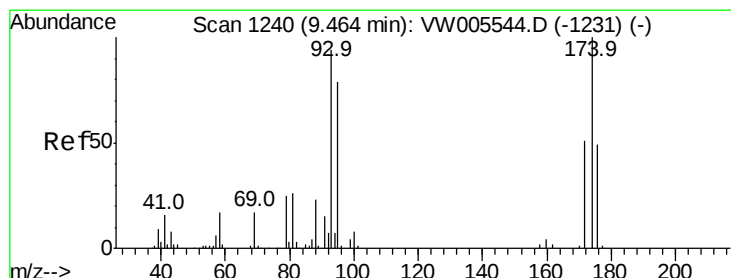
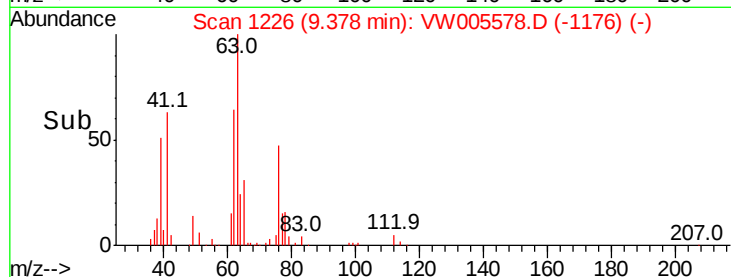
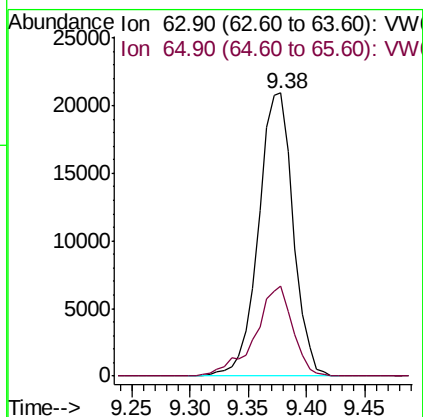
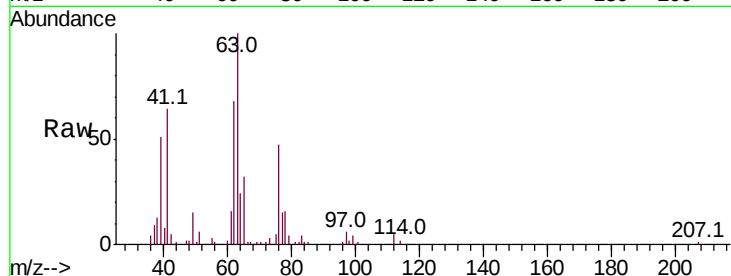
VW0924SBS01

Tot Ion: 63 Resp: 43411

Ion Ratio Lower Upper

63 100

65 31.9 24.7 37.1



#46

Dibromomethane

Concen: 19.945 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

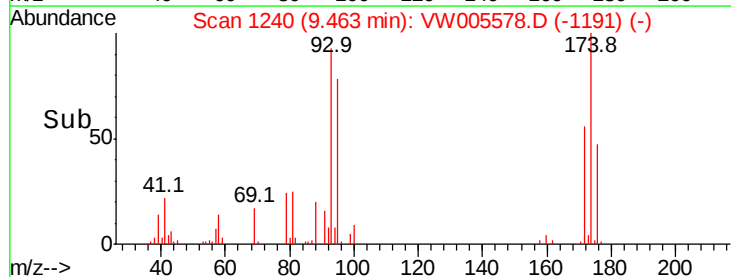
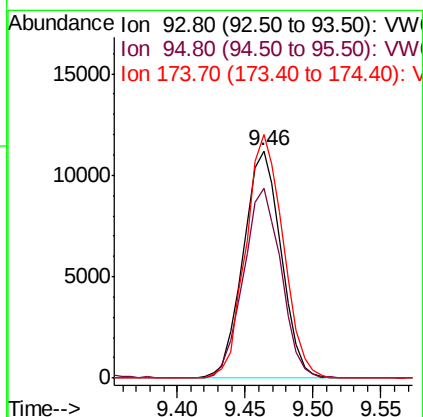
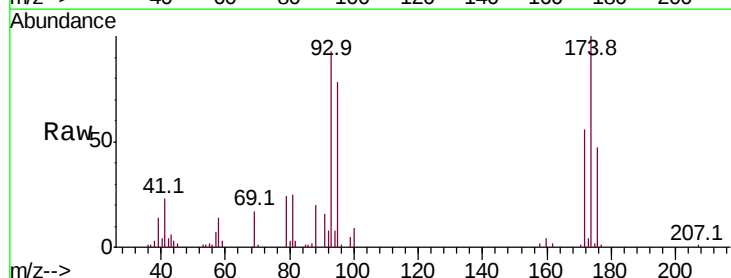
Tgt Ion: 93 Resp: 21757

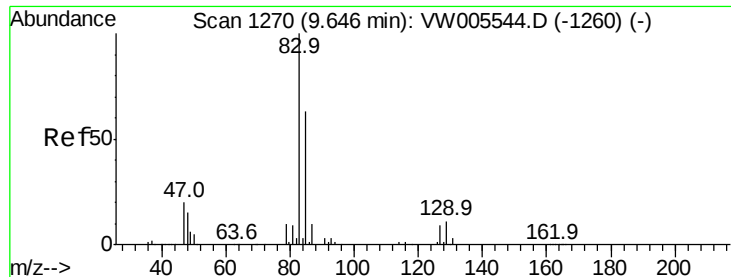
Ion Ratio Lower Upper

93 100

95 83.3 65.8 98.8

174 106.2 84.0 126.0





#47

Bromodichloromethane

Concen: 20.297 ug/l

RT: 9.65 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

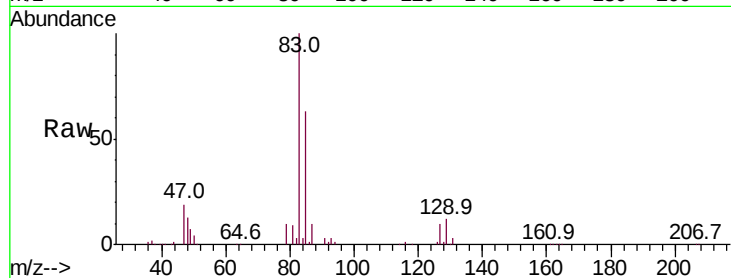
Tot Ion: 83 Resp: 59475

Ion Ratio Lower Upper

83 100

85 62.6 50.5 75.7

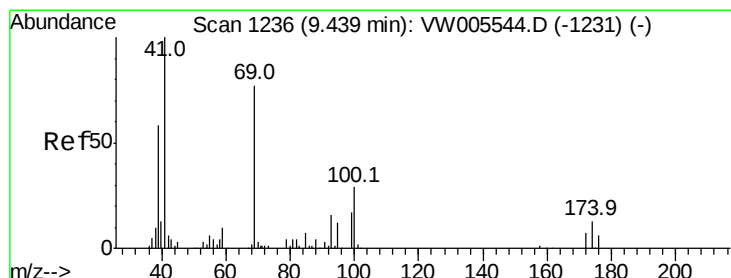
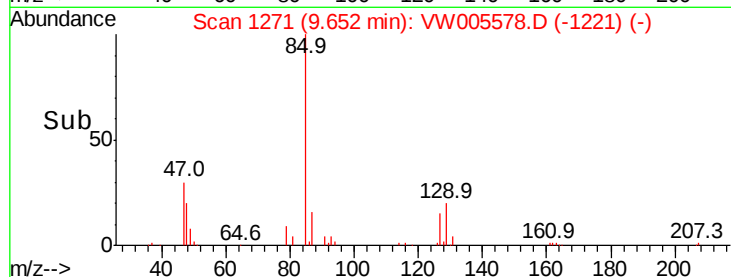
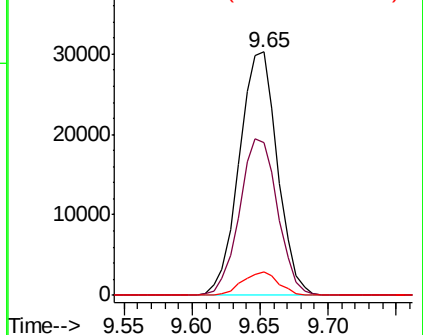
127 9.5 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 17.972 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

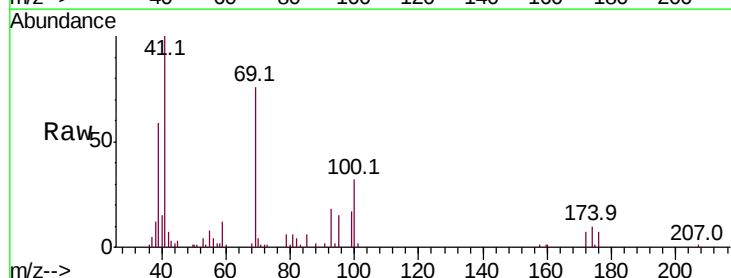
Tgt Ion: 41 Resp: 22121

Ion Ratio Lower Upper

41 100

69 85.6 64.7 97.1

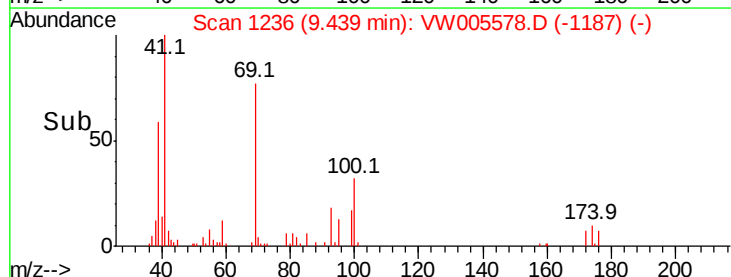
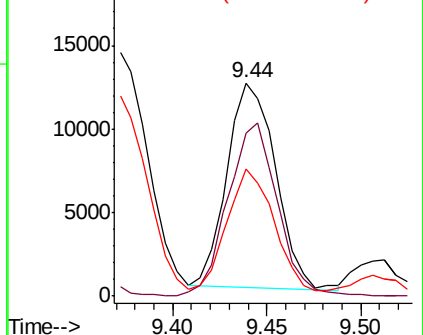
39 57.1 50.5 75.7

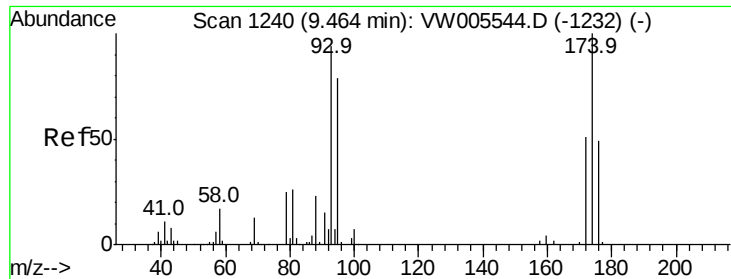


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 386.844 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

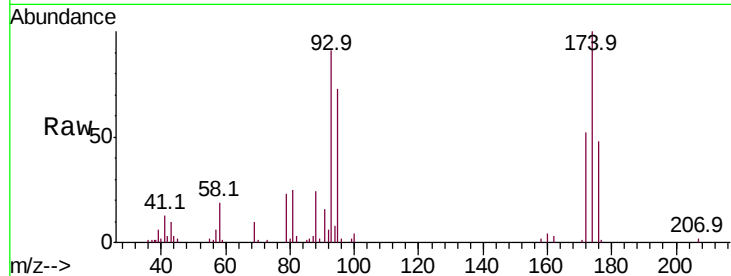
Tot Ion: 88 Resp: 6709

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

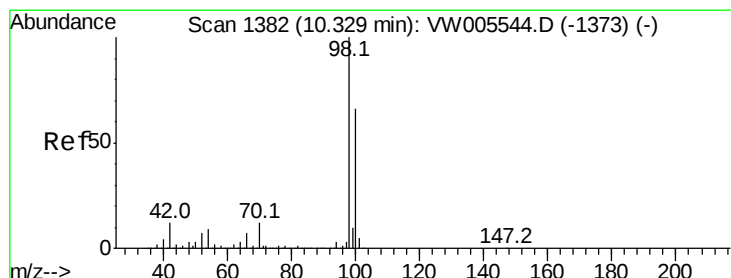
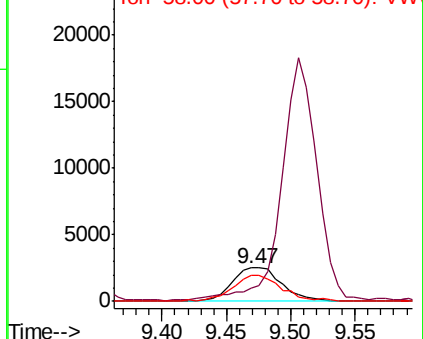
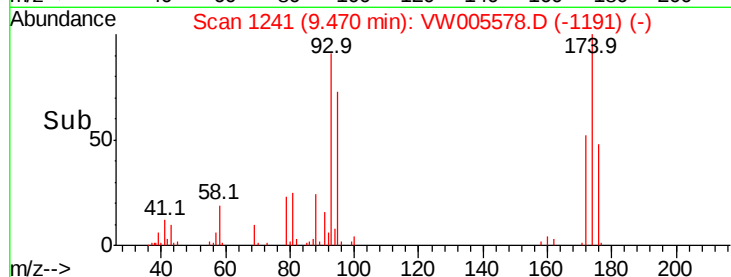
58 78.2 61.2 91.8



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: 56.079 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005578.D

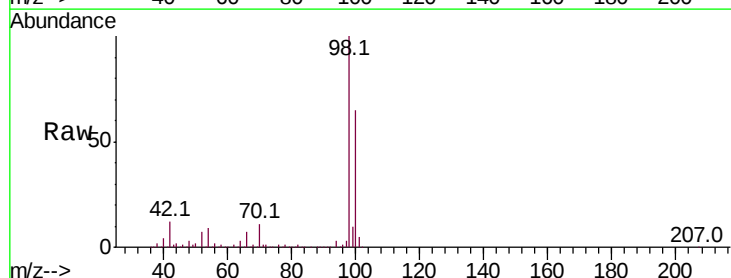
Acq: 24 Sep 2018 12:21

Tgt Ion: 98 Resp: 446762

Ion Ratio Lower Upper

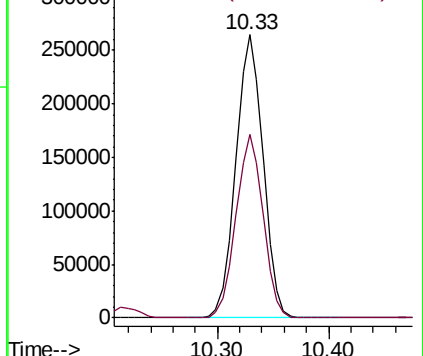
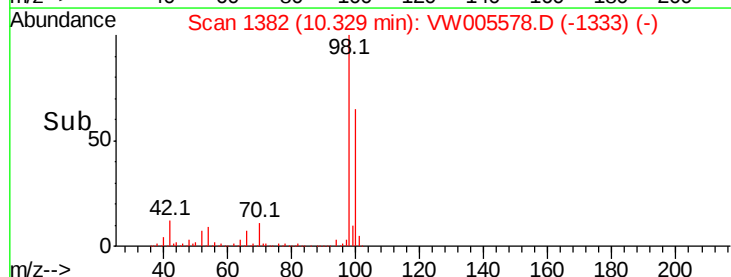
98 100

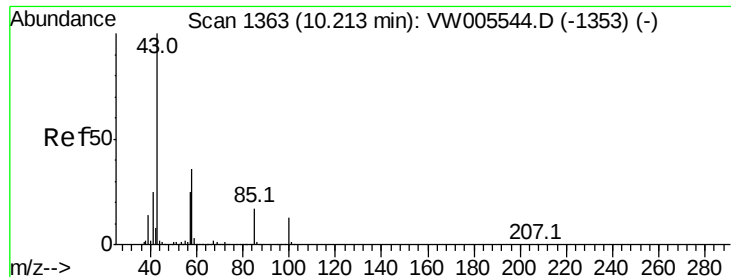
100 64.5 51.6 77.4



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: 87.548 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

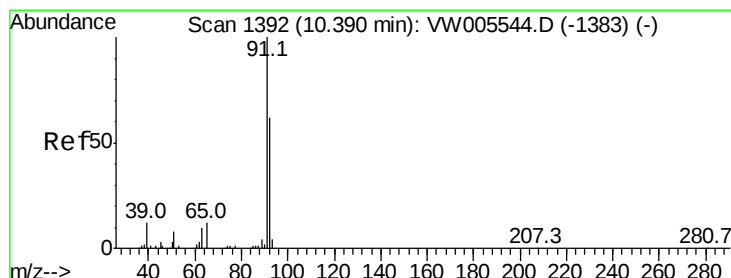
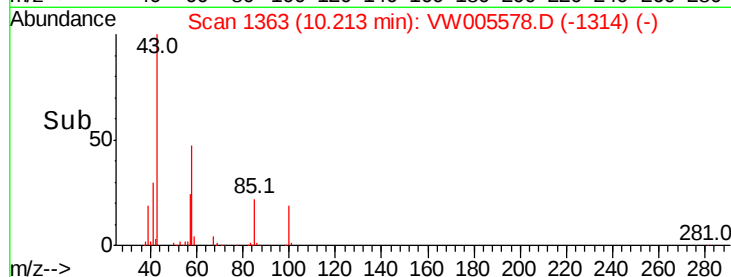
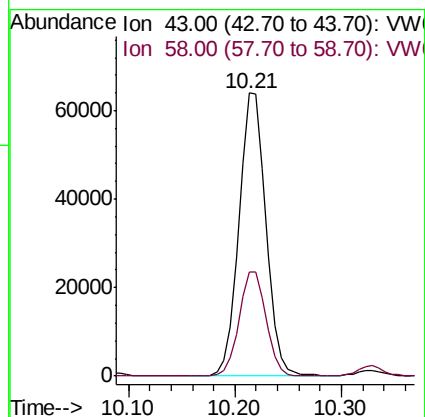
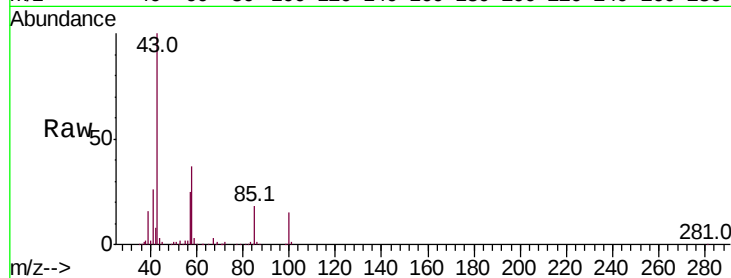
VW0924SBS01

Tot Ion: 43 Resp: 114265

Ion Ratio Lower Upper

43 100

58 37.0 30.0 45.0



#52

Toluene

Concen: 21.697 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005578.D

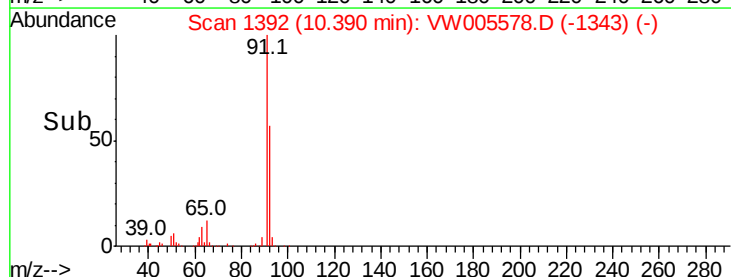
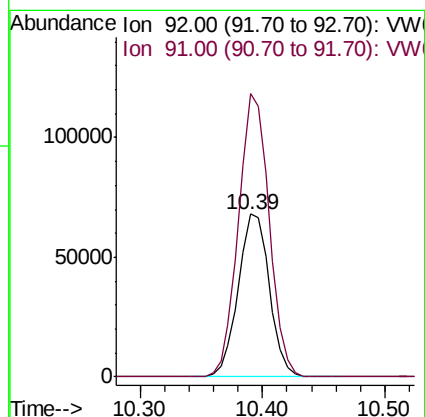
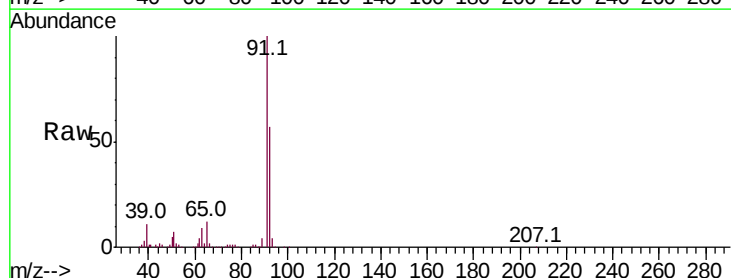
Acq: 24 Sep 2018 12:21

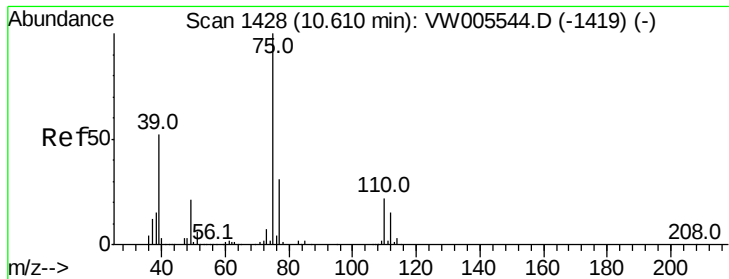
Tgt Ion: 92 Resp: 120135

Ion Ratio Lower Upper

92 100

91 171.7 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 20.329 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

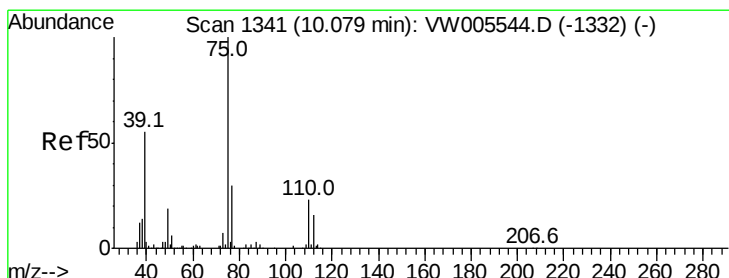
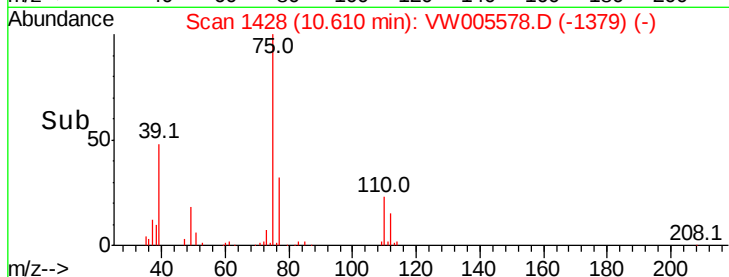
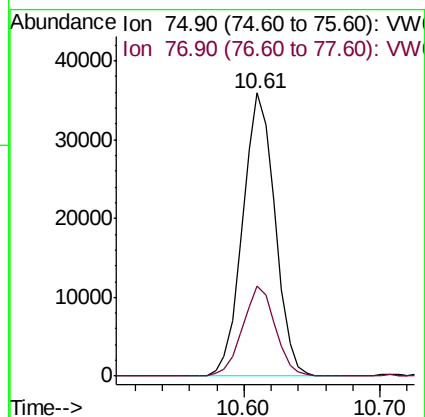
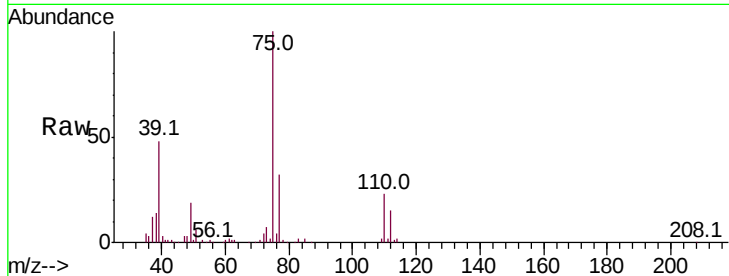
VW0924SBS01

Tot Ion: 75 Resp: 59717

Ion Ratio Lower Upper

75 100

77 31.7 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 21.122 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

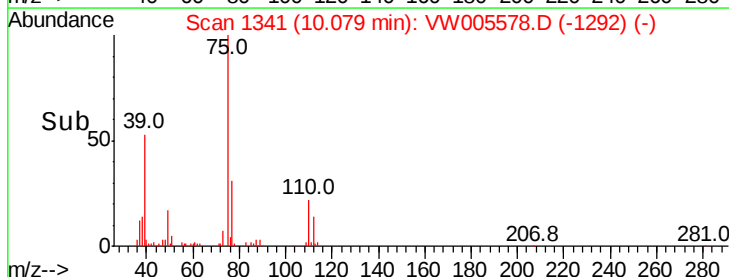
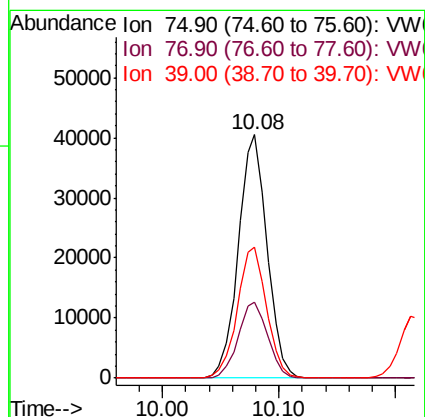
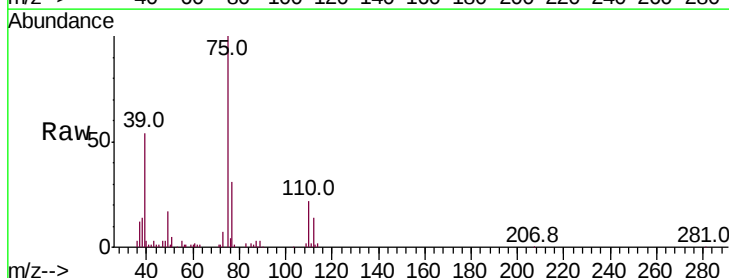
Tgt Ion: 75 Resp: 69521

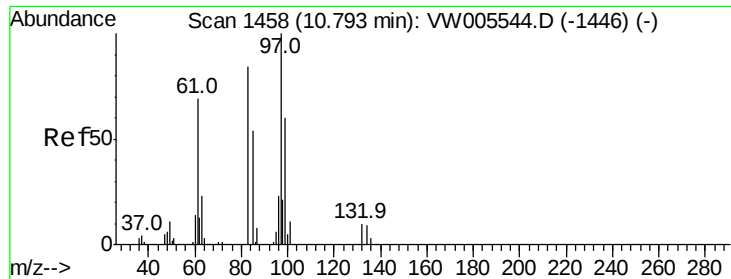
Ion Ratio Lower Upper

75 100

77 30.9 24.3 36.5

39 53.8 43.7 65.5

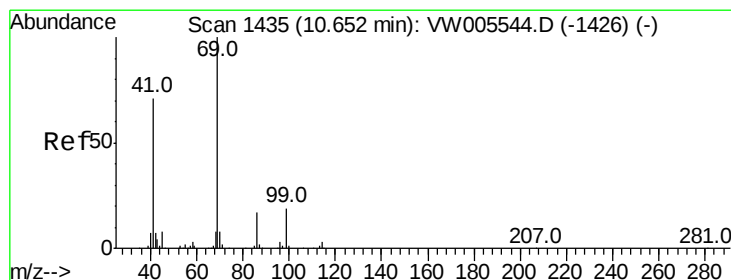
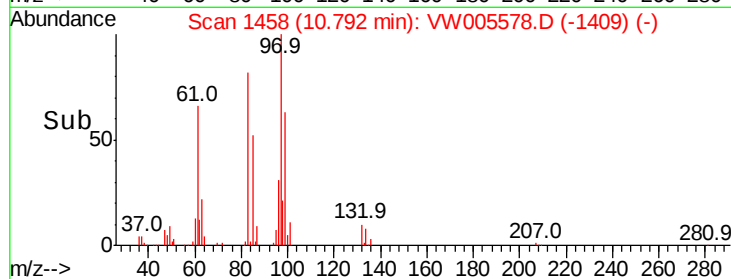
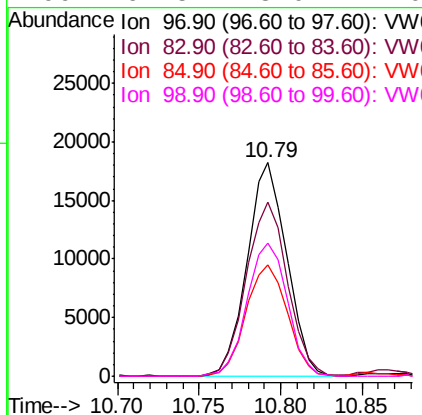
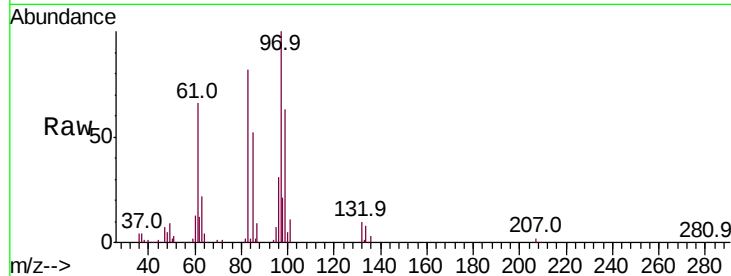




#55
 1,1,2-Trichloroethane
 Concen: 19.901 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005578.D
 Acq: 24 Sep 2018 12:21

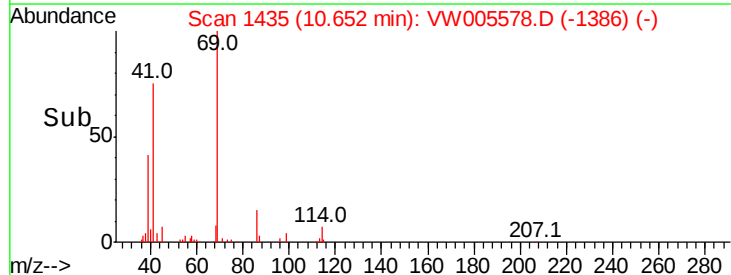
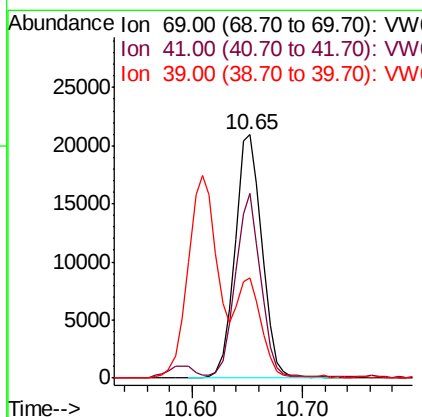
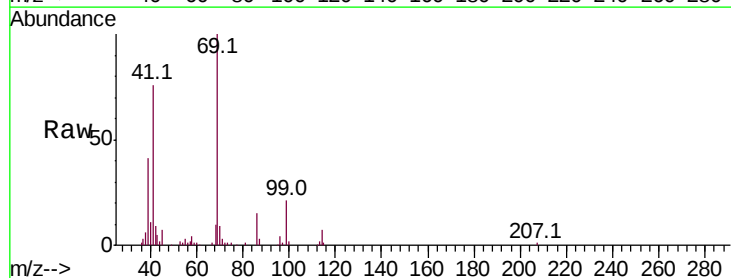
Instrument :
 MSVOA_W
 ClientSampled :
 VW0924SBS01

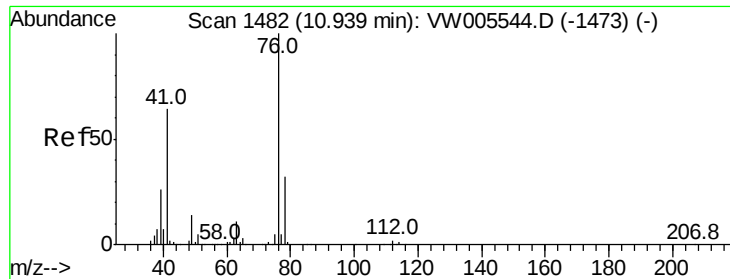
Tot Ion: 97 Resp: 30815
 Ion Ratio Lower Upper
 97 100
 83 81.5 67.4 101.2
 85 52.3 43.3 64.9
 99 62.5 48.0 72.0



#56
 Ethyl methacrylate
 Concen: 18.338 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW005578.D
 Acq: 24 Sep 2018 12:21

Tgt Ion: 69 Resp: 35053
 Ion Ratio Lower Upper
 69 100
 41 70.5 57.3 85.9
 39 37.1 29.2 43.8

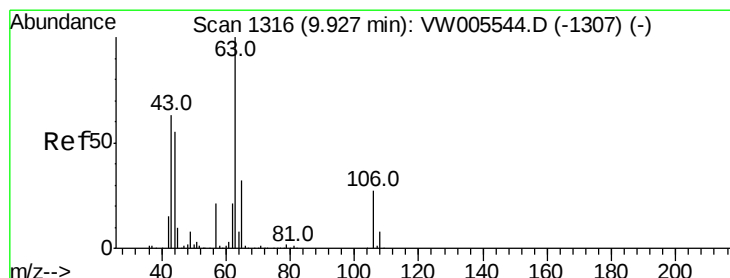
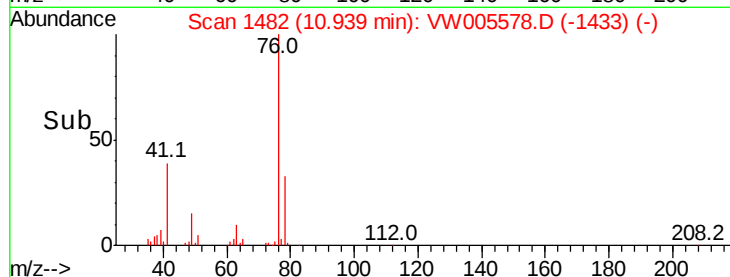
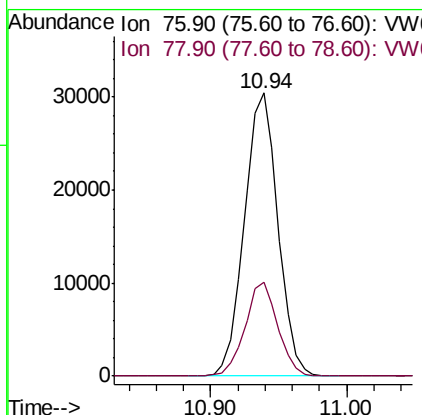
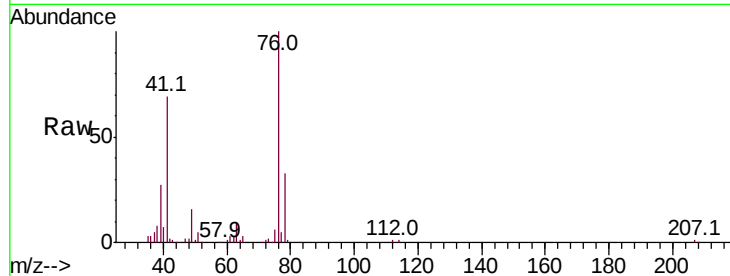




#57
 1,3-Dichloropropane
 Concen: 19.123 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VW005578.D
 Acq: 24 Sep 2018 12:21

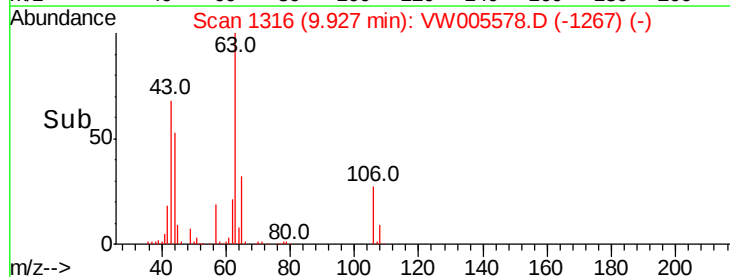
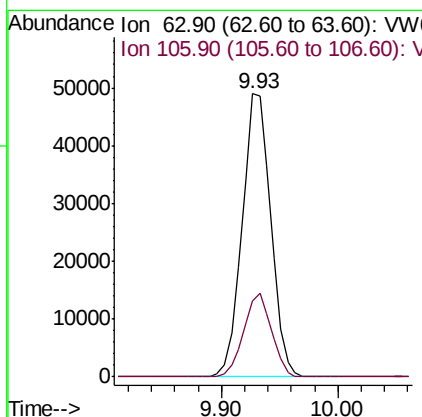
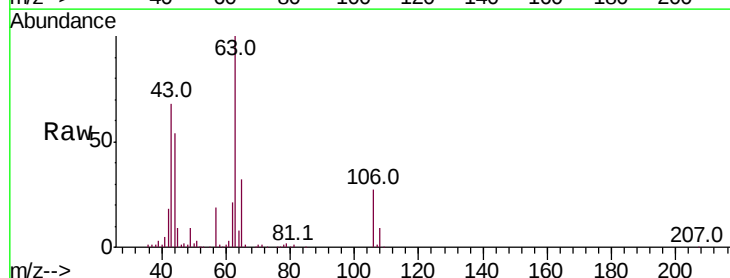
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

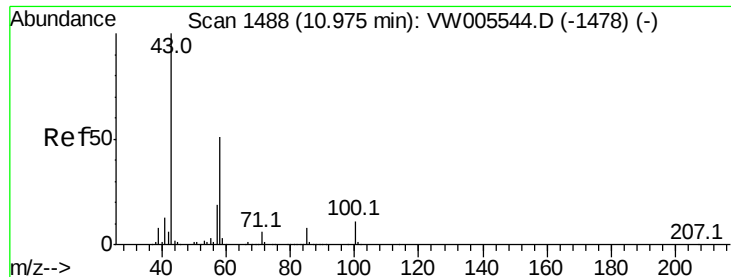
Tot Ion: 76 Resp: 52478
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.171 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW005578.D
 Acq: 24 Sep 2018 12:21

Tgt Ion: 63 Resp: 84196
 Ion Ratio Lower Upper
 63 100
 106 28.6 21.6 32.4

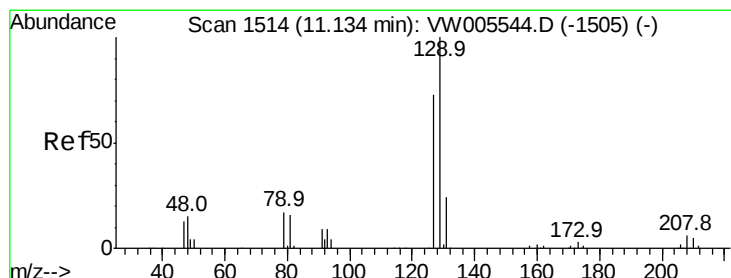
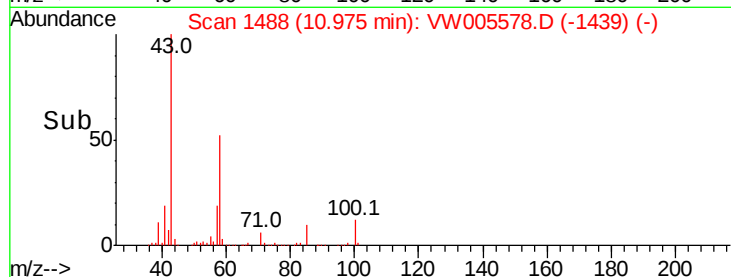
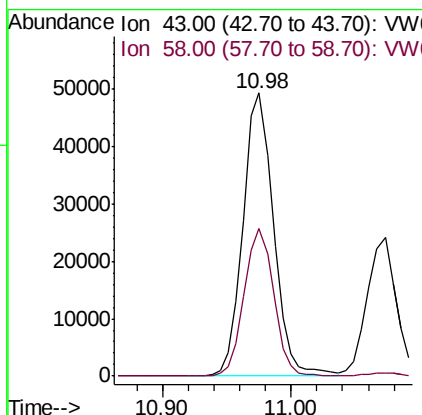
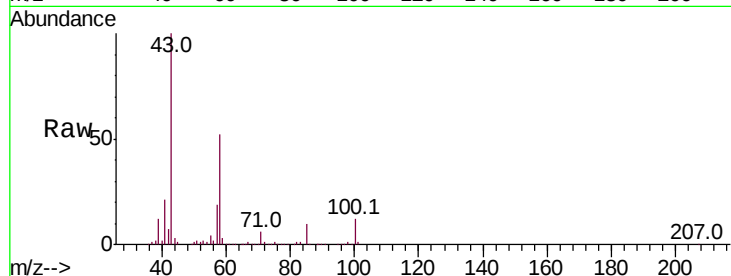




#59
2-Hexanone
Concen: 91.397 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

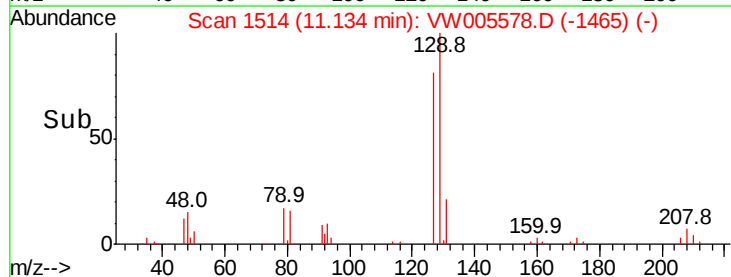
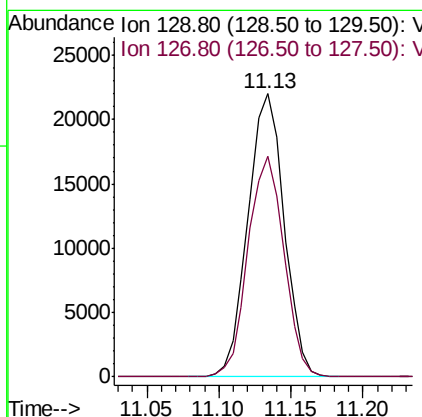
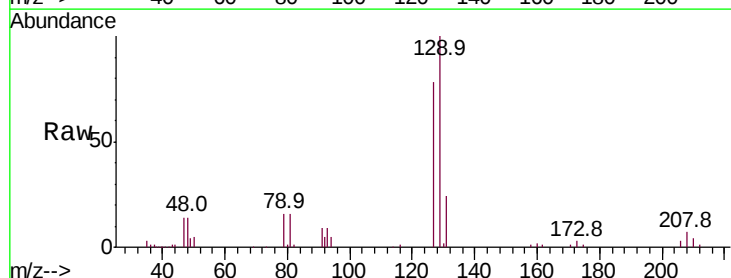
Instrument :
MSVOA_W
ClientSampled :
VW0924SBS01

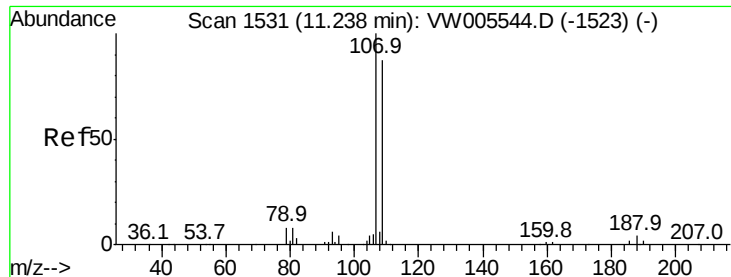
Tot Ion: 43 Resp: 81036
Ion Ratio Lower Upper
43 100
58 50.2 25.3 75.9



#60
Dibromochloromethane
Concen: 20.442 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

Tgt Ion: 129 Resp: 38245
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5

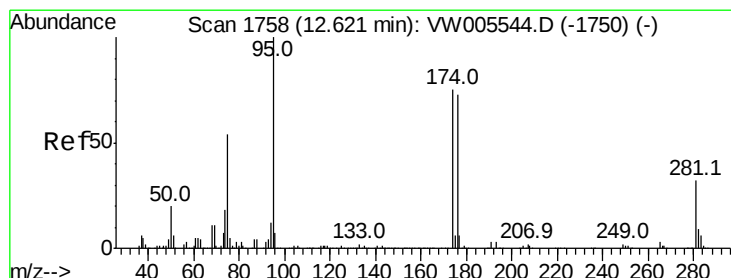
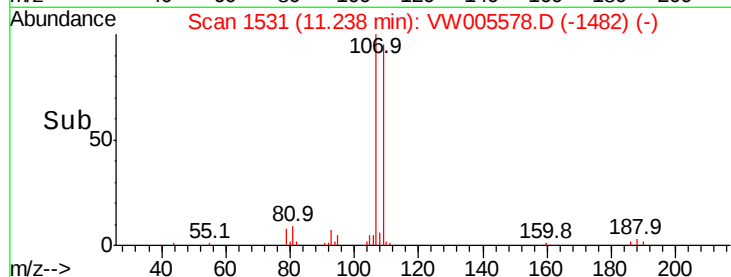
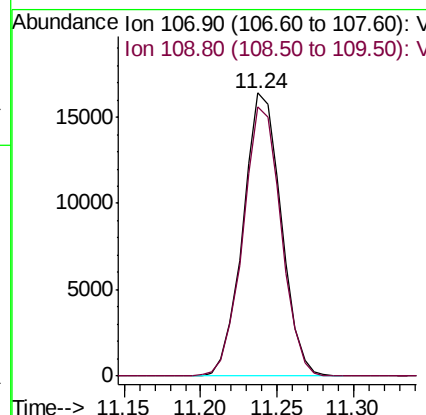
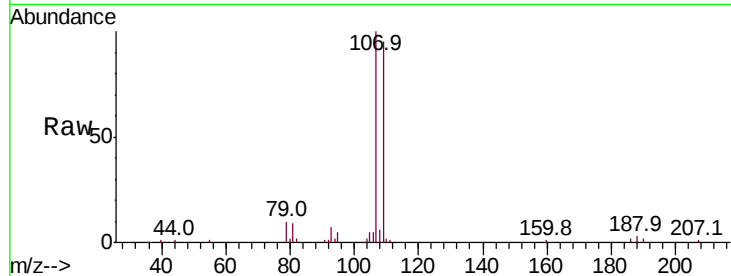




#61
 1,2-Dibromoethane
 Concen: 19.665 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW005578.D
 Acq: 24 Sep 2018 12:21

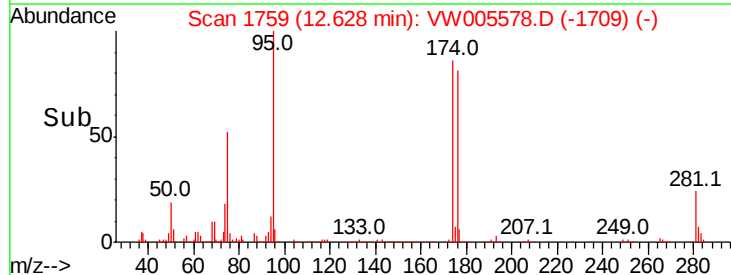
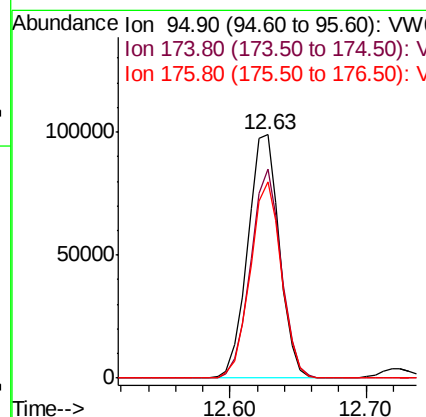
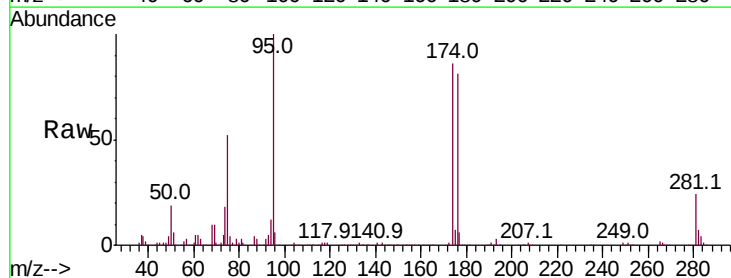
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

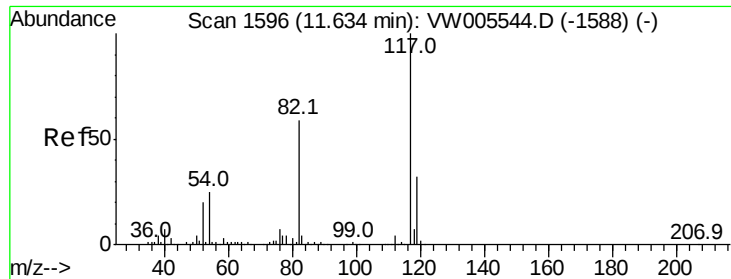
Tot Ion:107 Resp: 28390
 Ion Ratio Lower Upper
 107 100
 109 95.3 73.4 110.0



#62
 4-Bromofluorobenzene
 Concen: 54.583 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. 0.01 min
 Lab File: VW005578.D
 Acq: 24 Sep 2018 12:21

Tgt Ion: 95 Resp: 160905
 Ion Ratio Lower Upper
 95 100
 174 83.3 0.0 163.8
 176 79.4 0.0 158.0

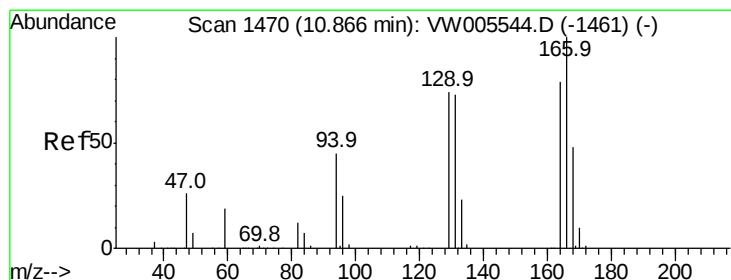
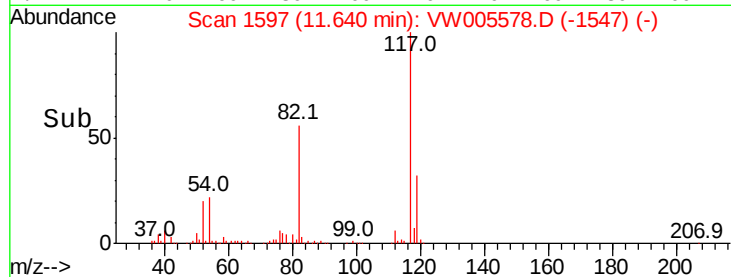
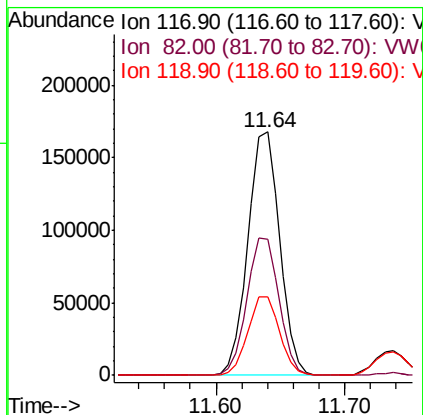
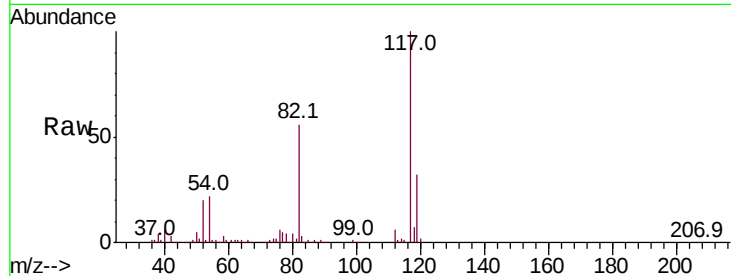




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

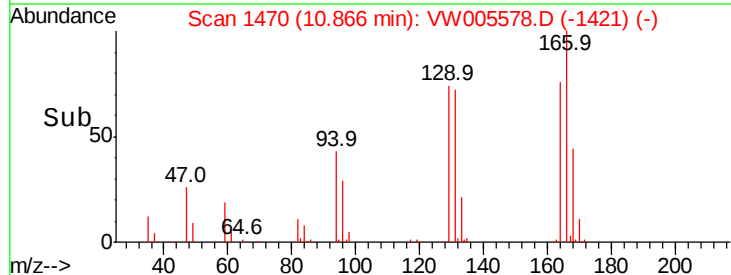
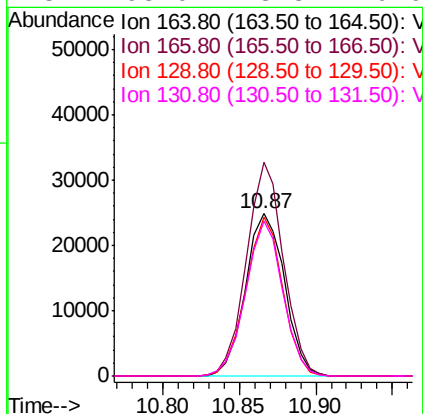
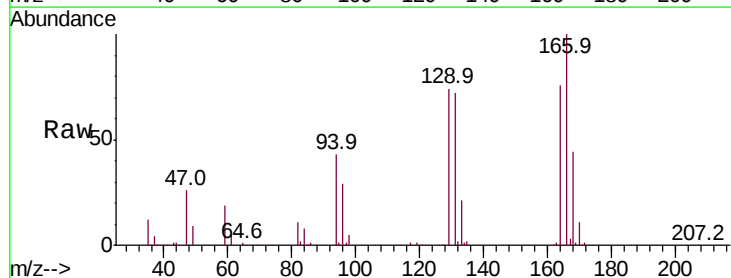
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

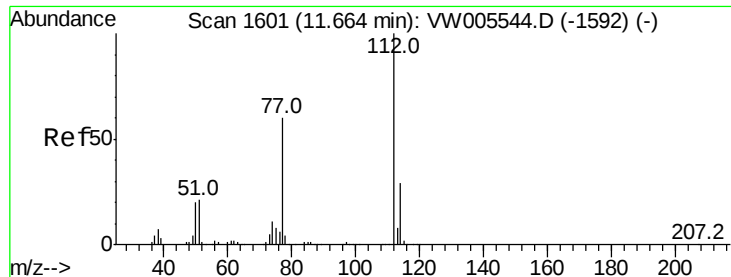
Tot Ion:117 Resp: 285386
Ion Ratio Lower Upper
117 100
82 56.0 46.9 70.3
119 32.2 25.7 38.5



#64
Tetrachloroethene
Concen: 21.750 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

Tgt Ion:164 Resp: 44055
Ion Ratio Lower Upper
164 100
166 131.5 101.1 151.7
129 97.5 74.4 111.6
131 95.0 73.8 110.6

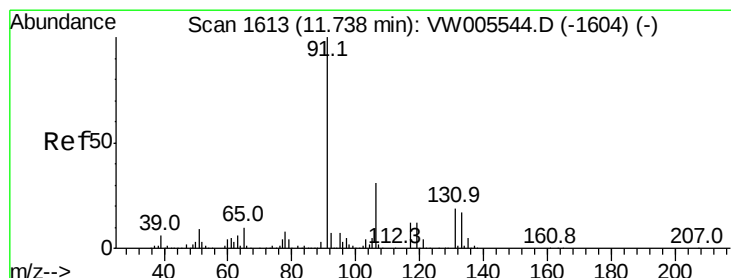
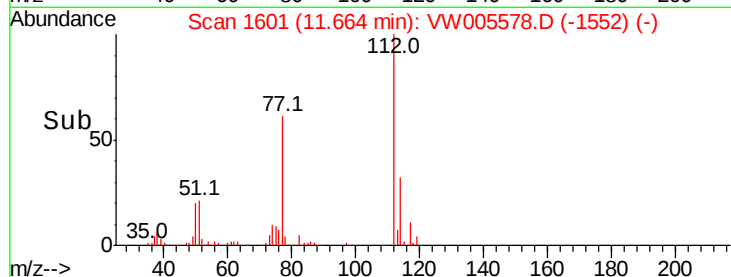
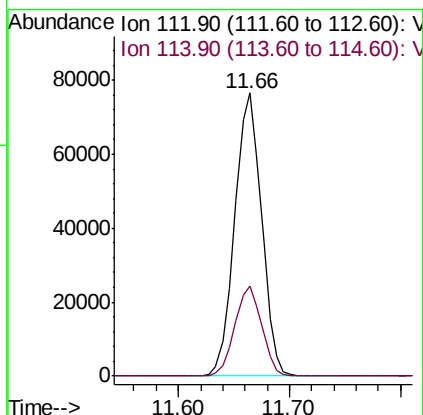
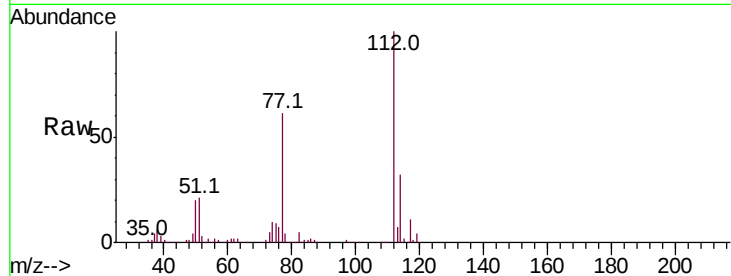




#65
Chlorobenzene
Concen: 21.064 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

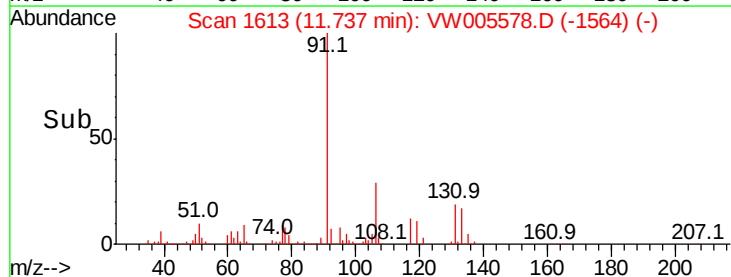
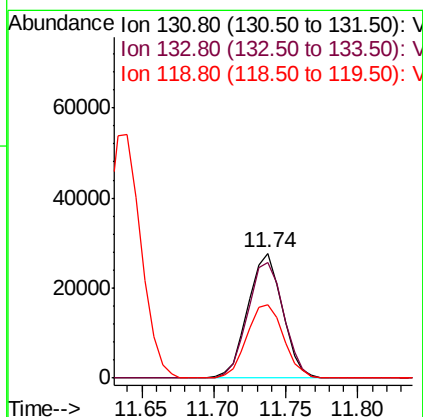
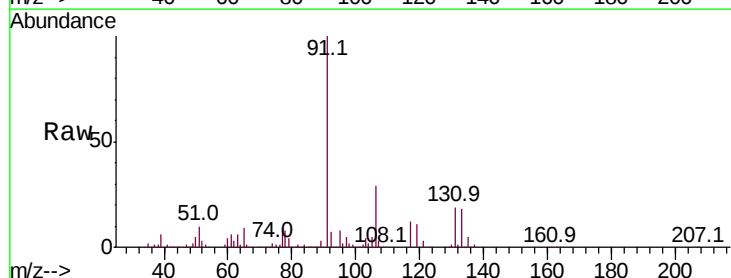
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

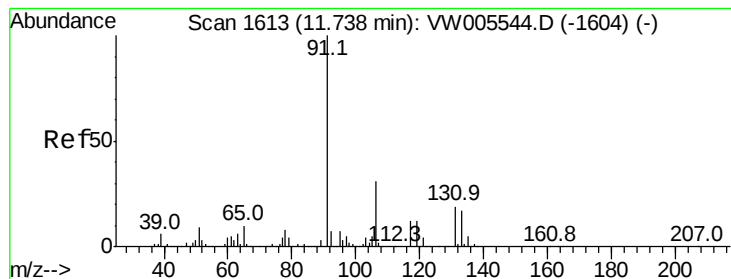
Tot Ion:112 Resp: 127617
Ion Ratio Lower Upper
112 100
114 31.8 22.9 34.3



#66
1,1,1,2-Tetrachloroethane
Concen: 20.942 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

Tgt Ion:131 Resp: 45664
Ion Ratio Lower Upper
131 100
133 97.1 47.2 141.6
119 62.9 31.1 93.2





#67

Ethyl Benzene

Concen: 21.320 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

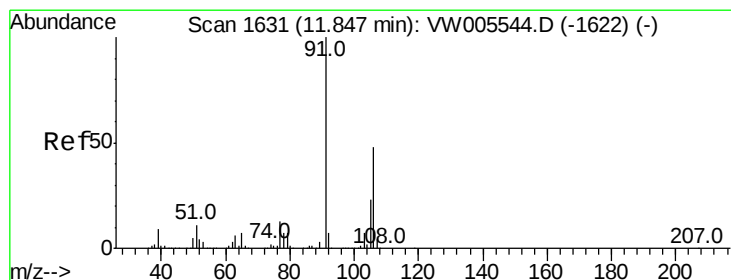
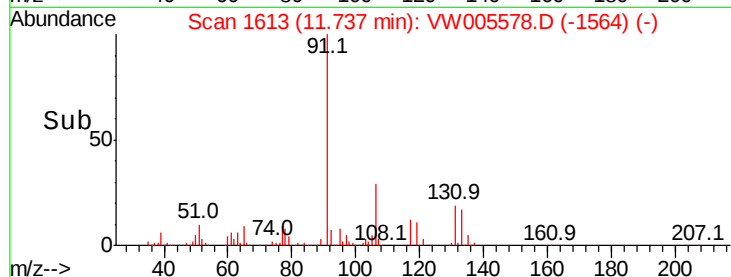
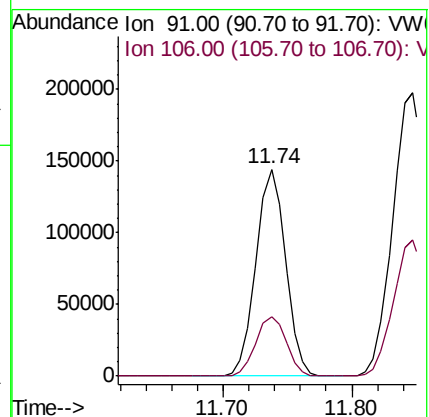
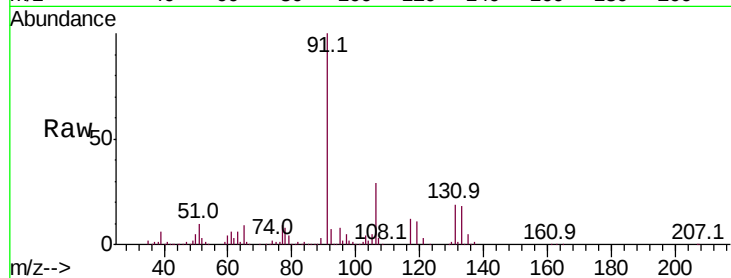
VW0924SBS01

Tot Ion: 91 Resp: 229269

Ion Ratio Lower Upper

91 100

106 28.9 24.4 36.6



#68

m/p-Xylenes

Concen: 43.946 ug/l

RT: 11.85 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VW005578.D

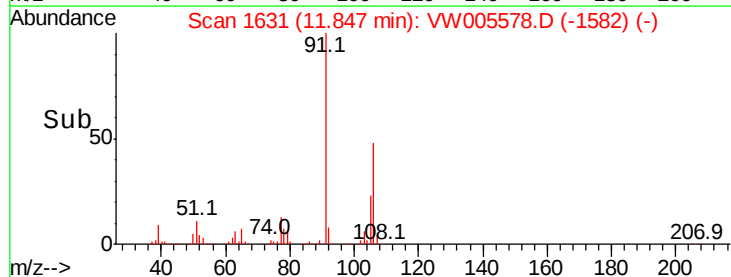
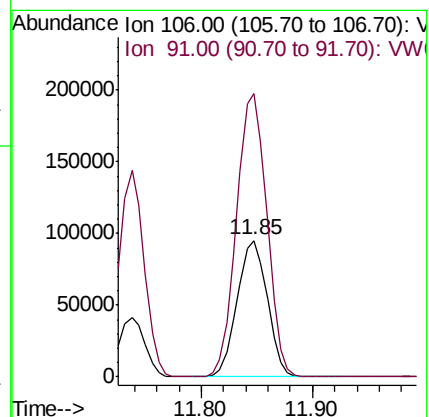
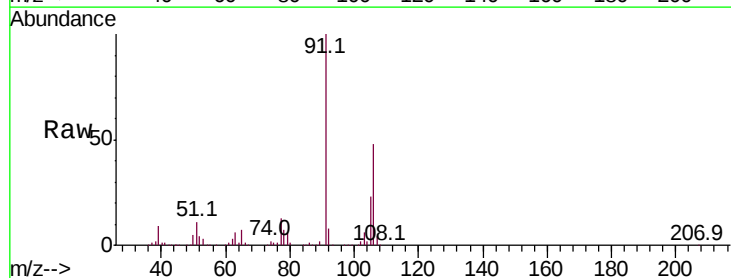
Acq: 24 Sep 2018 12:21

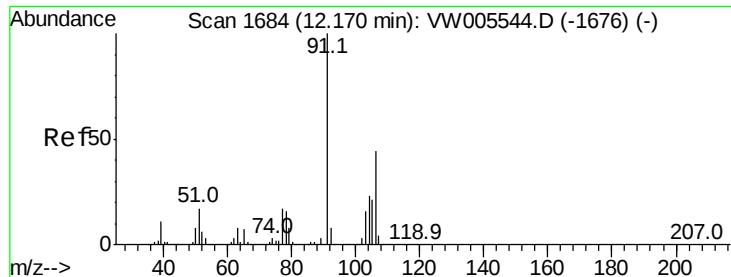
Tgt Ion:106 Resp: 178543

Ion Ratio Lower Upper

106 100

91 209.1 167.8 251.8

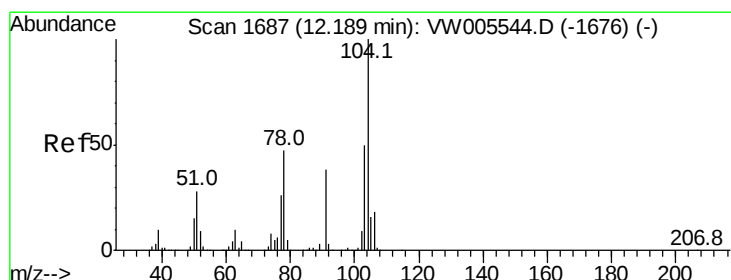
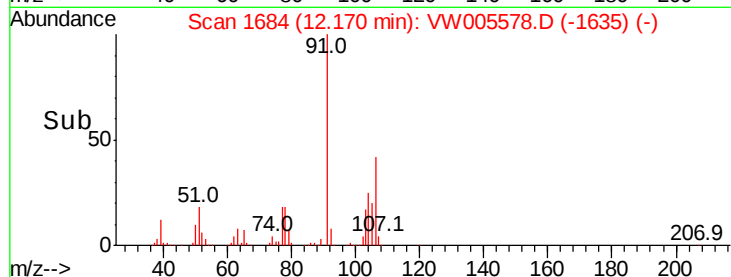
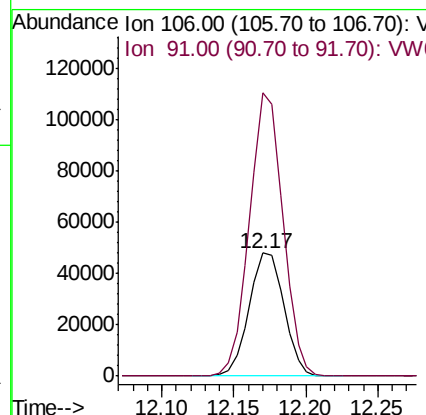
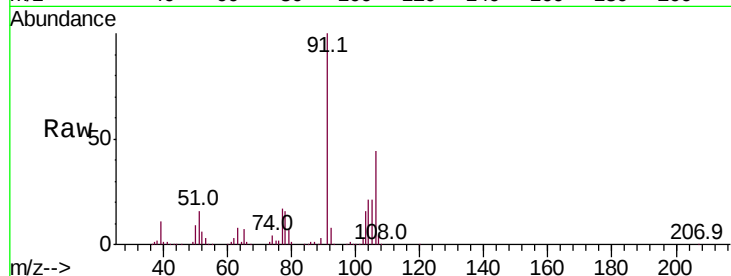




#69
o-Xylene
Concen: 21.150 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

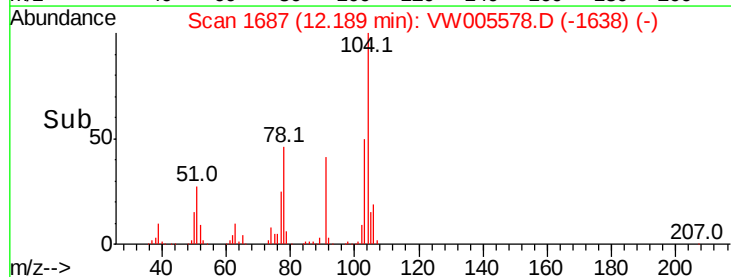
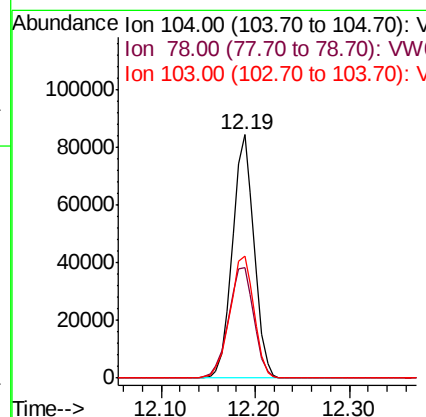
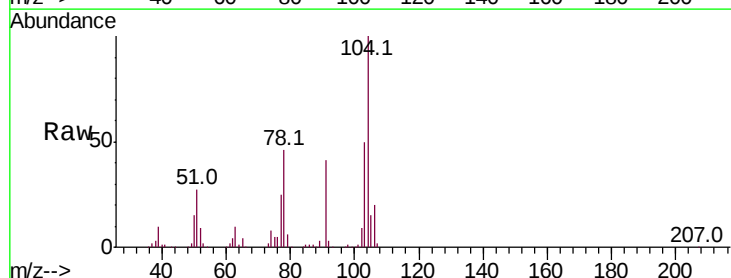
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

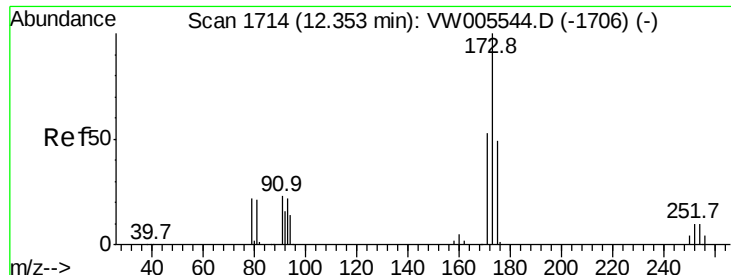
Tot Ion:106 Resp: 80476
Ion Ratio Lower Upper
106 100
91 220.7 111.0 333.0



#70
Styrene
Concen: 21.035 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

Tgt Ion:104 Resp: 134696
Ion Ratio Lower Upper
104 100
78 52.9 42.2 63.4
103 55.7 44.6 66.8





#71

Bromoform

Concen: 20.274 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

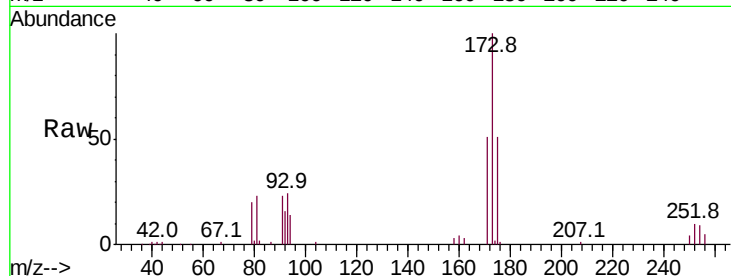
Tot Ion:173 Resp: 23465

Ion Ratio Lower Upper

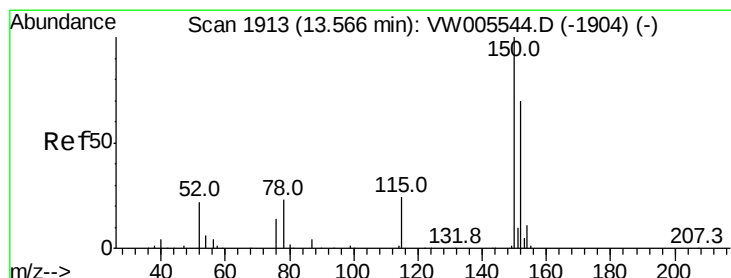
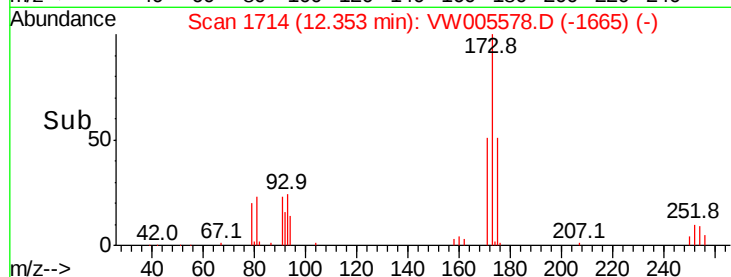
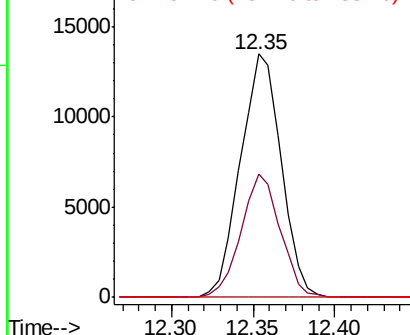
173 100

175 48.8 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: VW005578.D

Acq: 24 Sep 2018 12:21

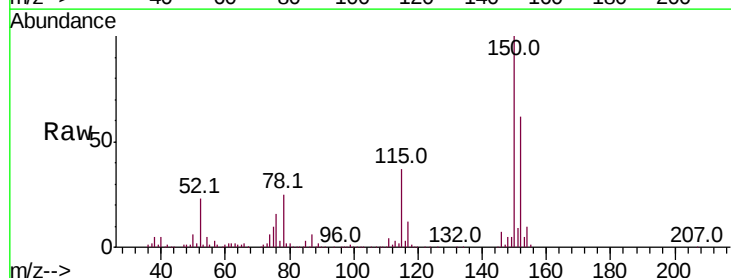
Tgt Ion:152 Resp: 155734

Ion Ratio Lower Upper

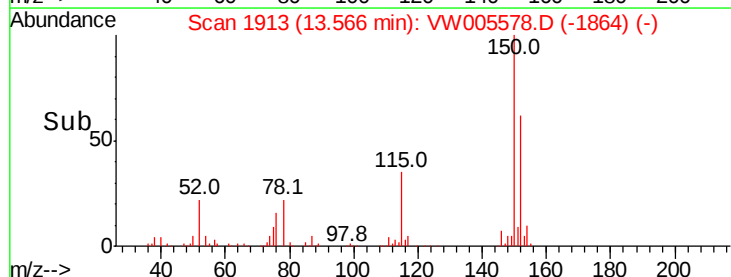
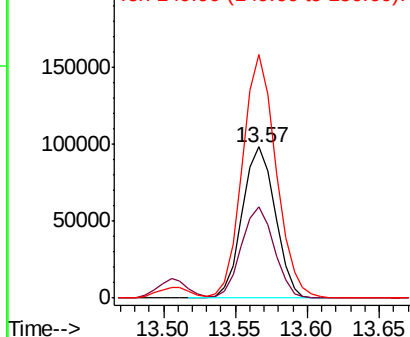
152 100

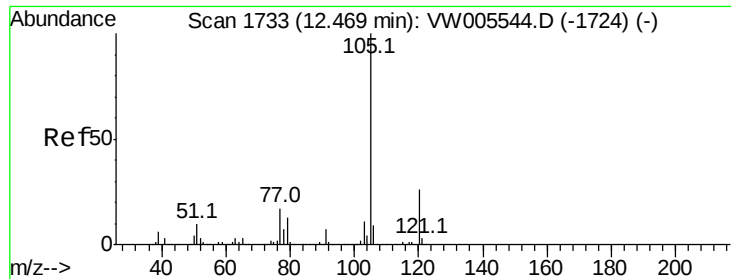
115 59.9 30.0 90.0

150 164.2 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

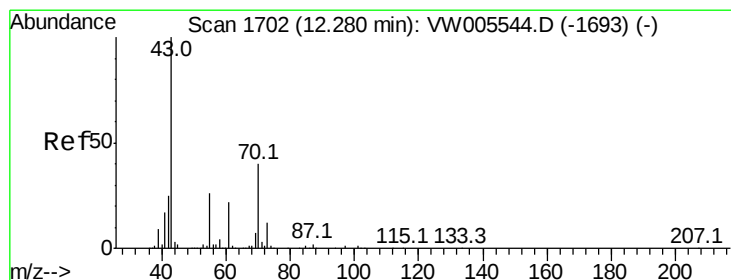
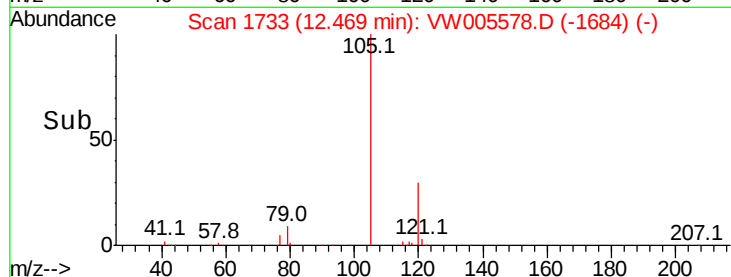
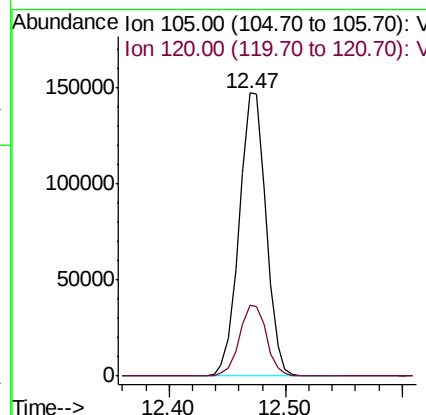
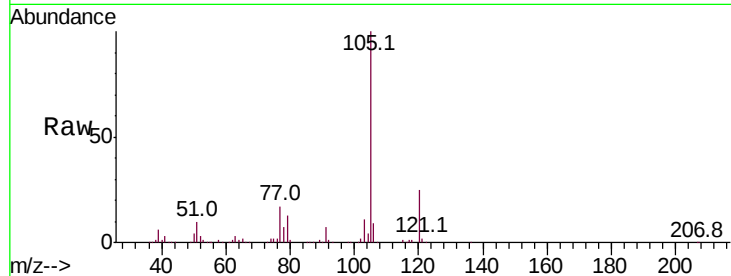




#73
Isopropylbenzene
Concen: 21.916 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

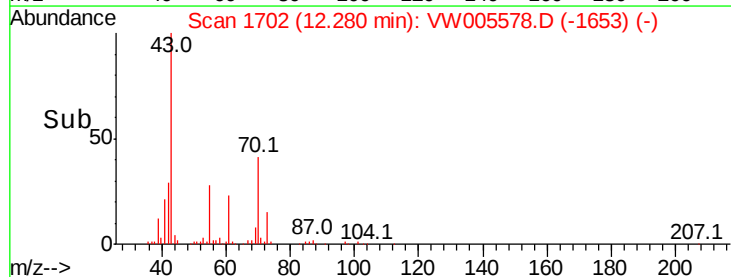
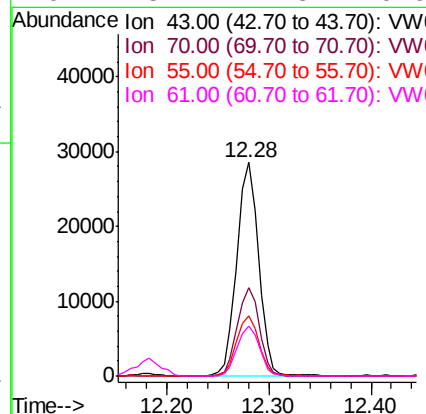
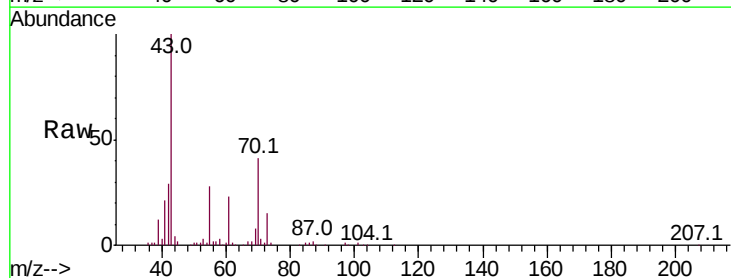
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

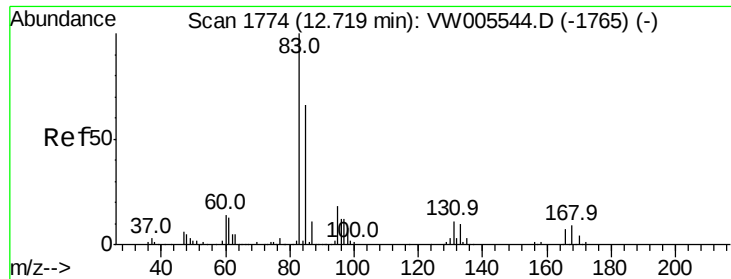
Tot Ion:105 Resp: 236686
Ion Ratio Lower Upper
105 100
120 25.3 12.9 38.7



#74
N-ethyl acetate
Concen: 17.237 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. -0.00 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

Tgt Ion: 43 Resp: 42152
Ion Ratio Lower Upper
43 100
70 41.5 31.4 47.0
55 29.0 20.9 31.3
61 23.7 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.971 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampled :

VW0924SBS01

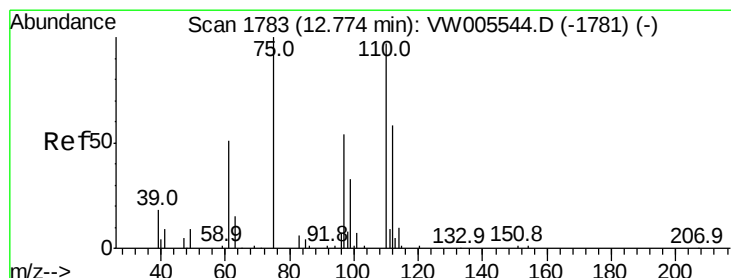
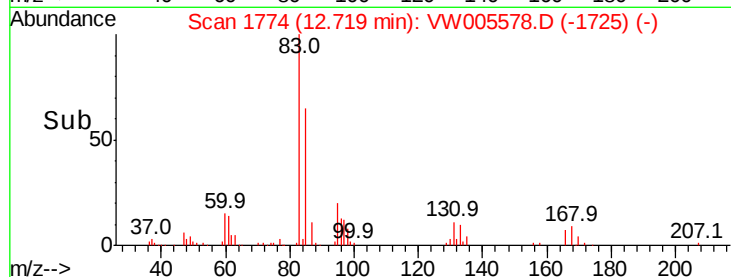
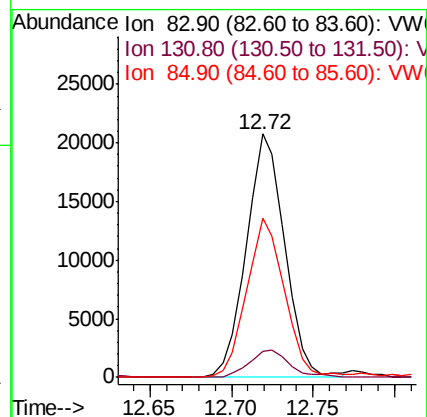
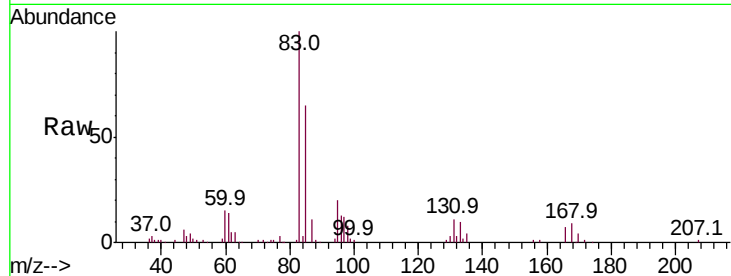
Tot Ion: 83 Resp: 34031

Ion Ratio Lower Upper

83 100

131 11.8 5.5 16.7

85 64.9 32.4 97.0



#76

1,2,3-Trichloropropane

Concen: 37.326 ug/l

RT: 12.78 min Scan# 1784

Delta R.T. 0.01 min

Lab File: VW005578.D

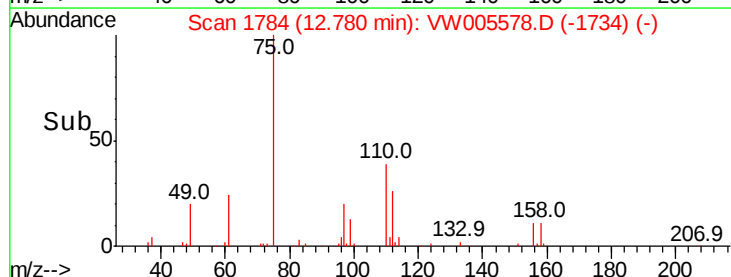
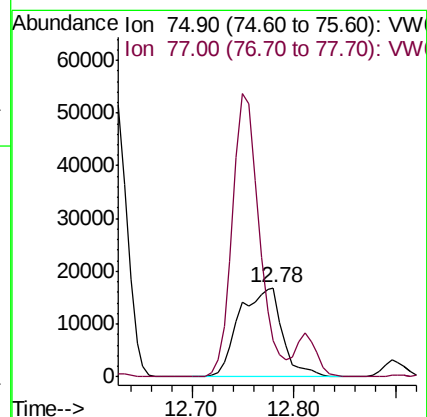
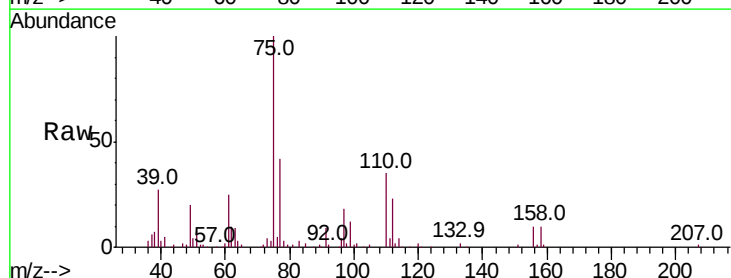
Acq: 24 Sep 2018 12:21

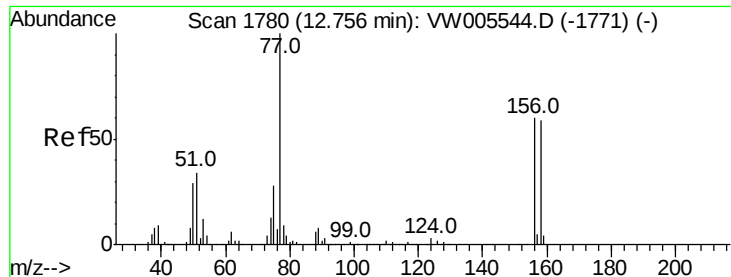
Tgt Ion: 75 Resp: 49551

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.158 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

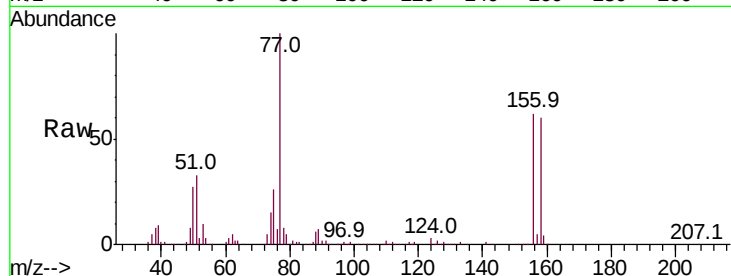
Tot Ion:156 Resp: 53555

Ion Ratio Lower Upper

156 100

77 183.9 94.7 284.1

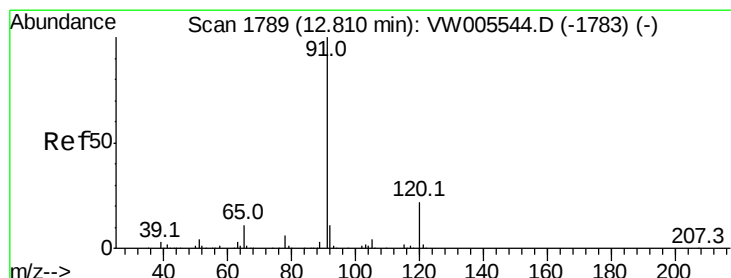
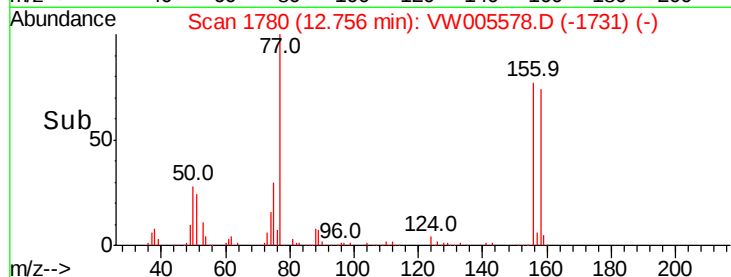
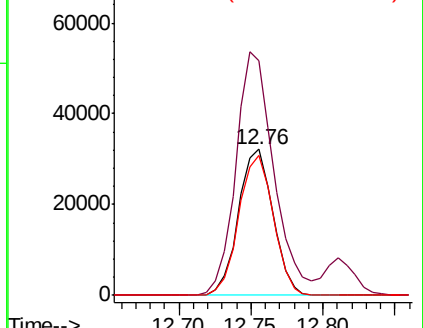
158 95.7 48.0 144.2



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: 21.903 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005578.D

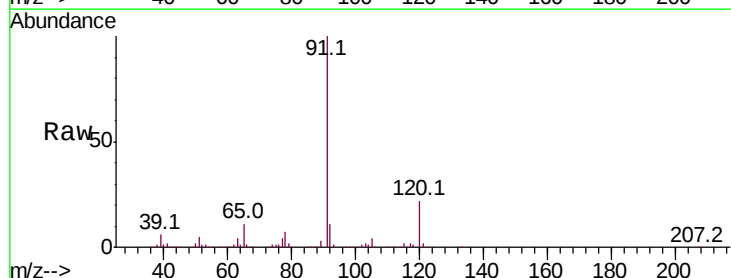
Acq: 24 Sep 2018 12:21

Tgt Ion: 91 Resp: 286384

Ion Ratio Lower Upper

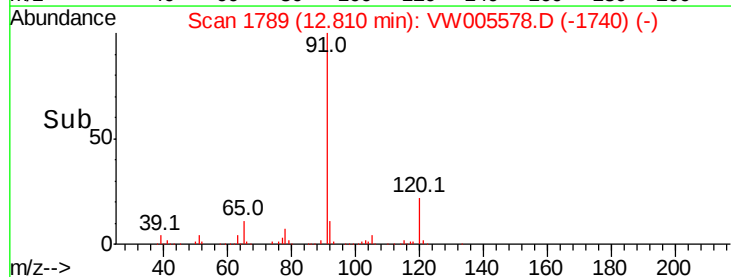
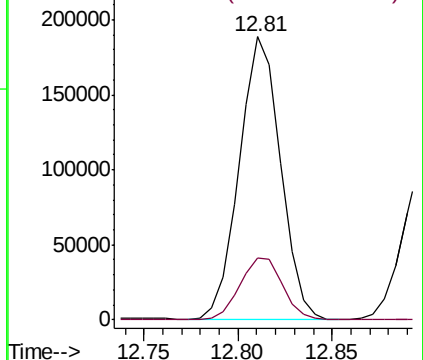
91 100

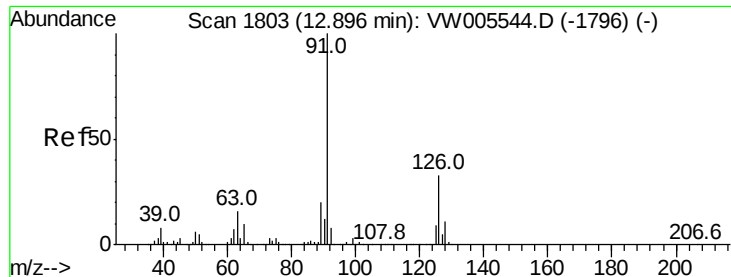
120 22.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.684 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

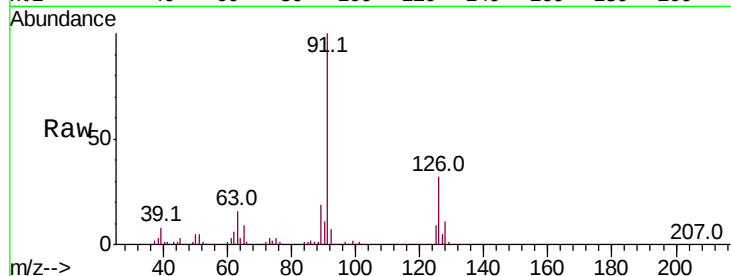
VW0924SBS01

Tot Ion: 91 Resp: 164033

Ion Ratio Lower Upper

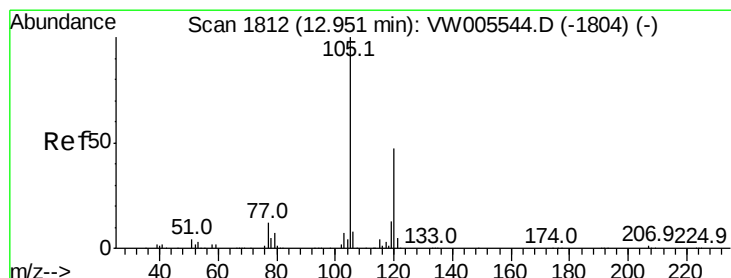
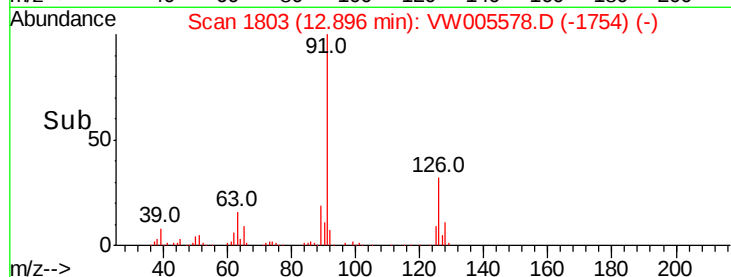
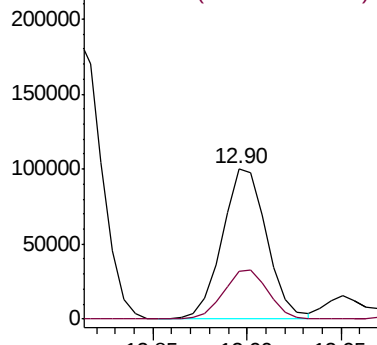
91 100

126 32.7 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.948 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005578.D

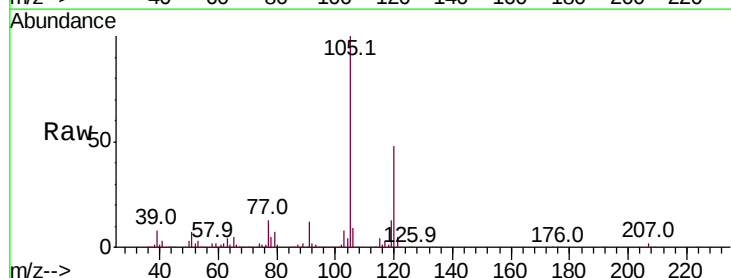
Acq: 24 Sep 2018 12:21

Tgt Ion:105 Resp: 206111

Ion Ratio Lower Upper

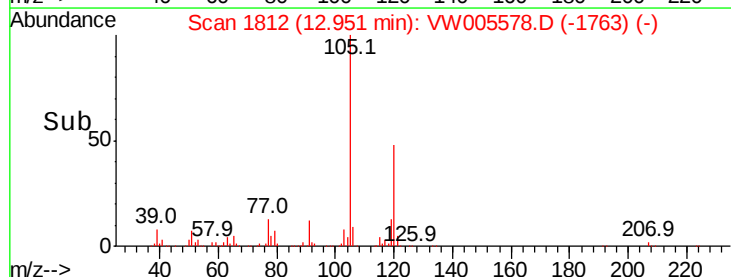
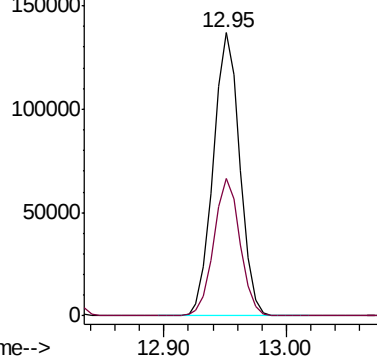
105 100

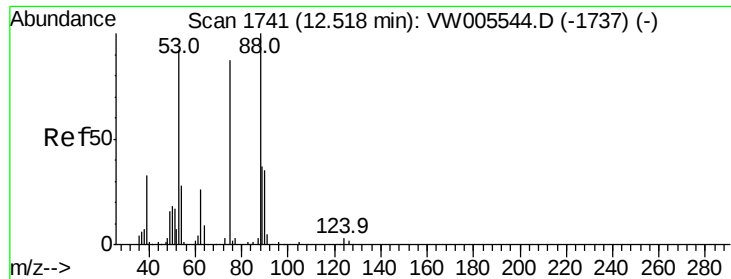
120 48.0 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.978 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

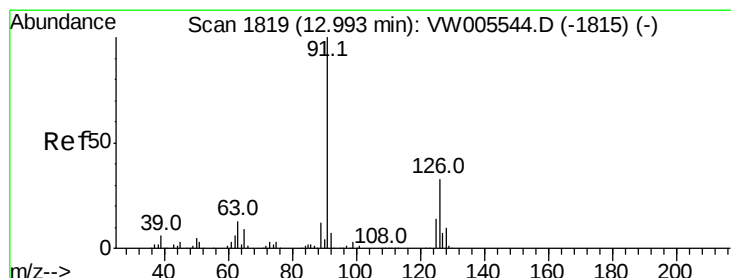
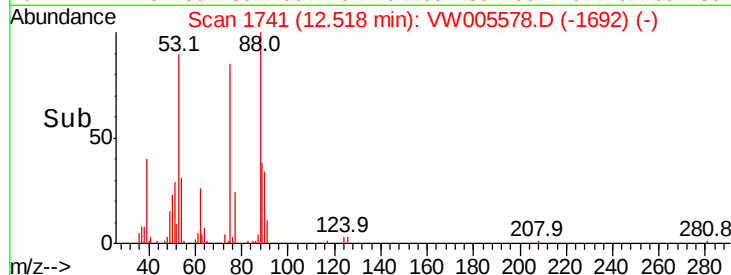
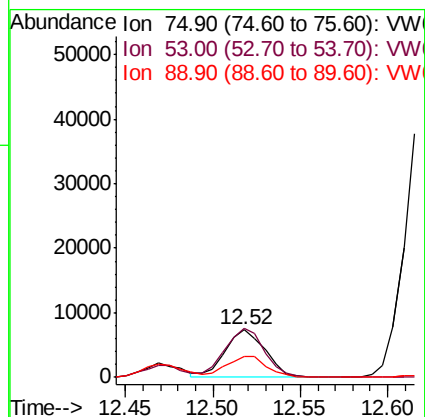
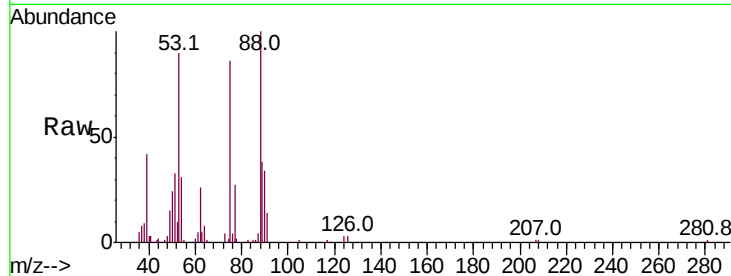
Tot Ion: 75 Resp: 11775

Ion Ratio Lower Upper

75 100

53 103.8 85.8 128.6

89 44.2 37.3 55.9



#82

4-Chlorotoluene

Concen: 21.737 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW005578.D

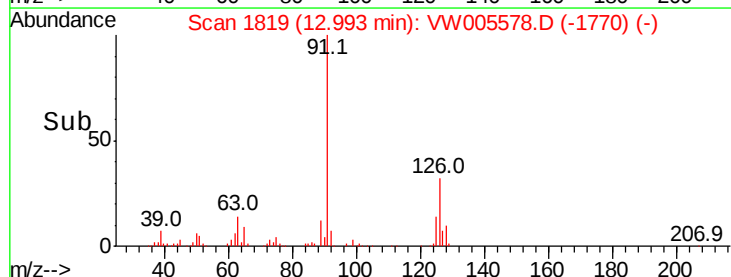
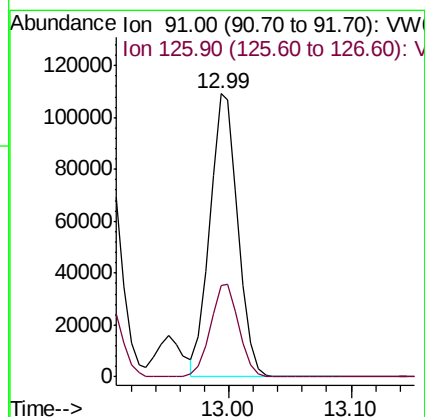
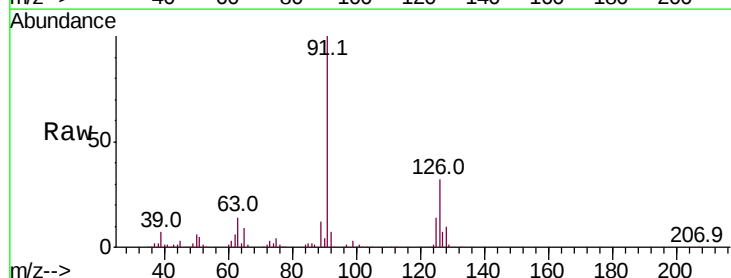
Acq: 24 Sep 2018 12:21

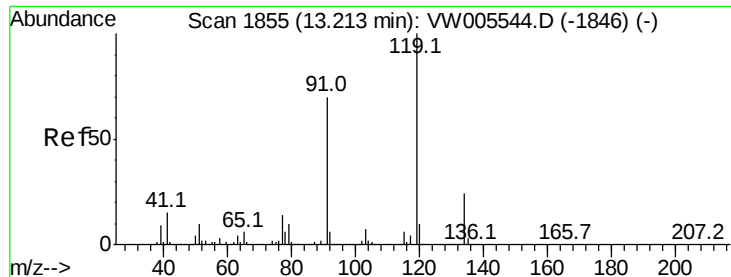
Tgt Ion: 91 Resp: 173737

Ion Ratio Lower Upper

91 100

126 33.3 16.4 49.4





#83

tert-Butylbenzene

Concen: 21.869 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

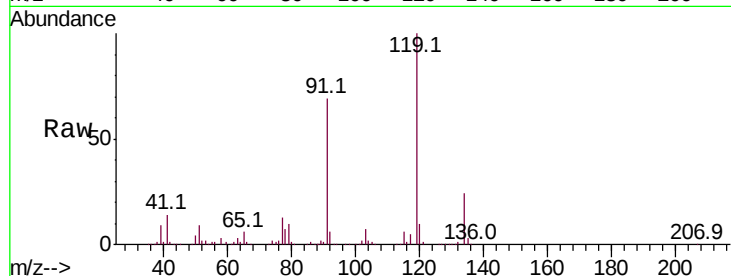
Tot Ion:119 Resp: 172532

Ion Ratio Lower Upper

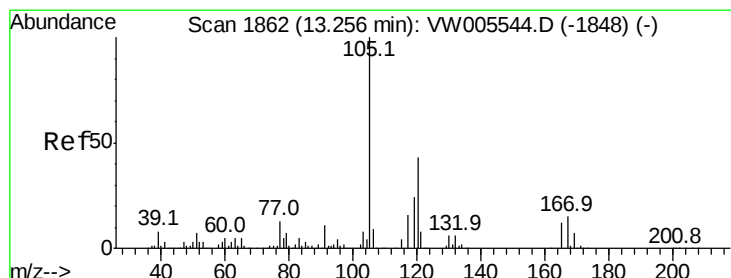
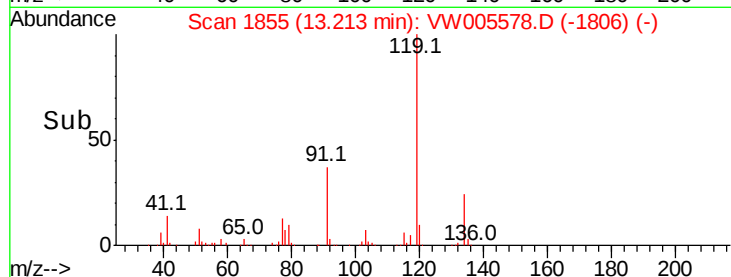
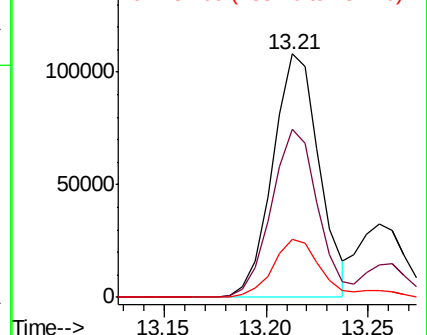
119 100

91 69.4 34.6 103.8

134 23.9 12.6 37.6



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



#84

1,2,4-Trimethylbenzene

Concen: 22.254 ug/l

RT: 13.26 min Scan# 1863

Delta R.T. 0.01 min

Lab File: VW005578.D

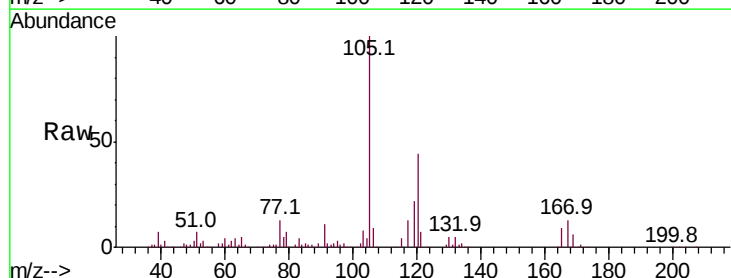
Acq: 24 Sep 2018 12:21

Tgt Ion:105 Resp: 210890

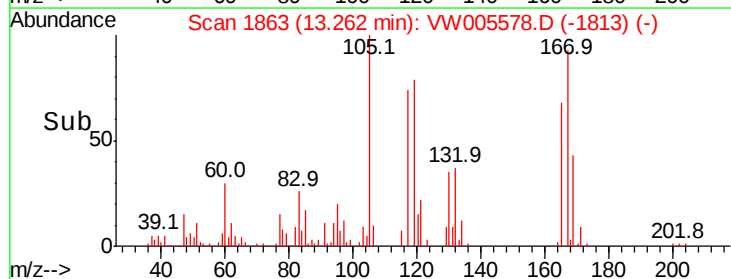
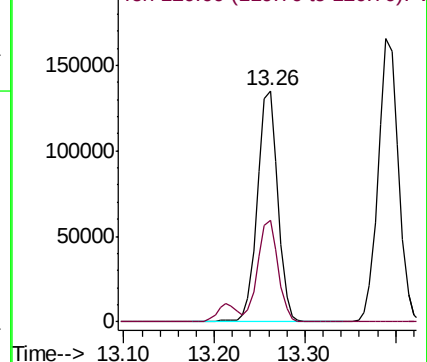
Ion Ratio Lower Upper

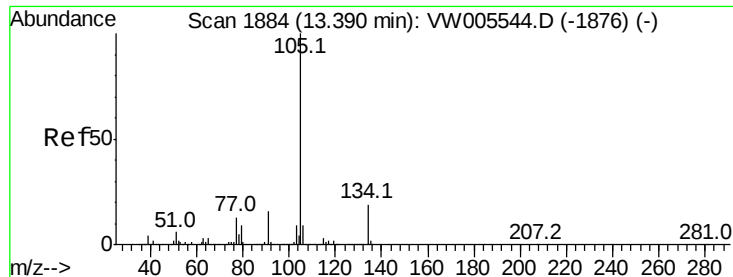
105 100

120 43.6 21.5 64.5



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





#85

sec-Butylbenzene

Concen: 22.310 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

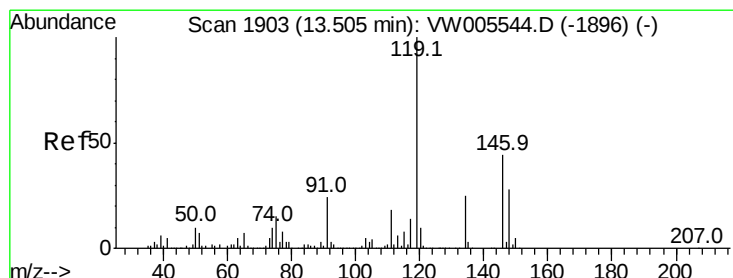
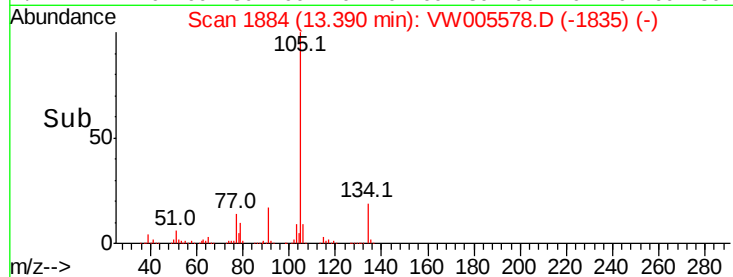
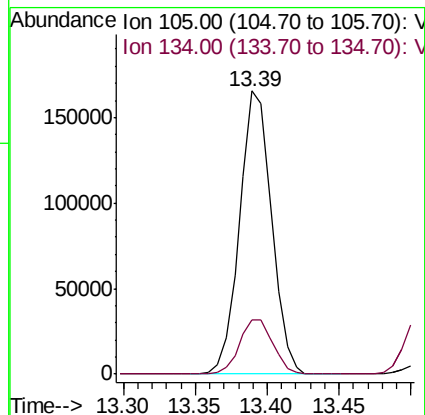
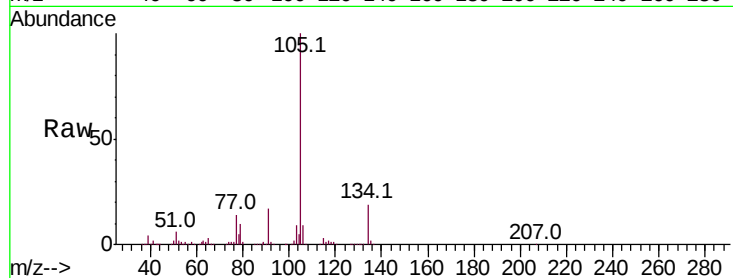
VW0924SBS01

Tot Ion:105 Resp: 255279

Ion Ratio Lower Upper

105 100

134 20.0 9.8 29.5



#86

p-Isopropyltoluene

Concen: 22.594 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

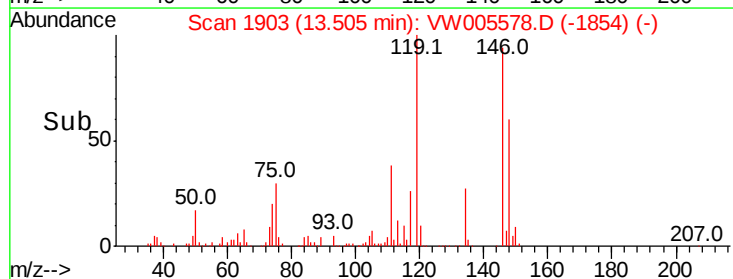
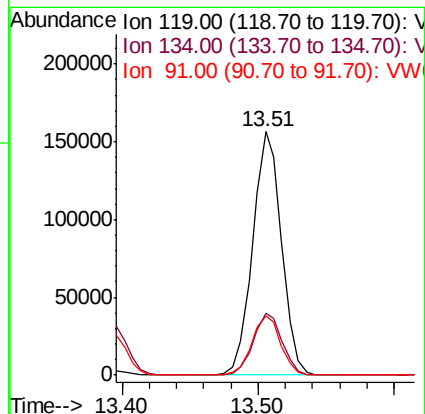
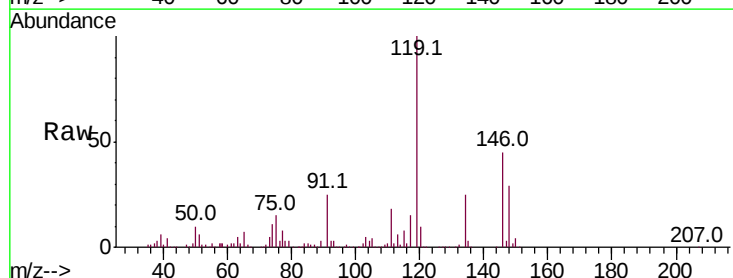
Tgt Ion:119 Resp: 231728

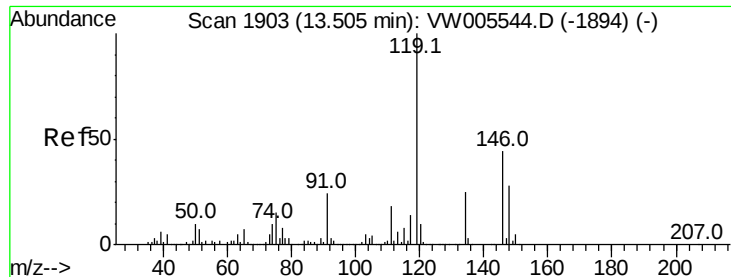
Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.1

91 24.6 12.2 36.4

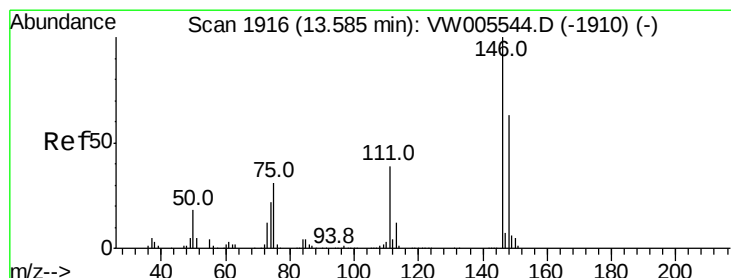
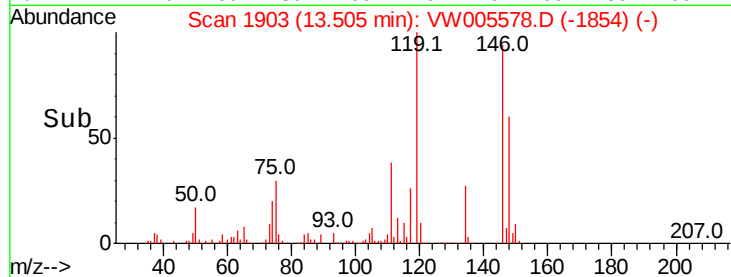
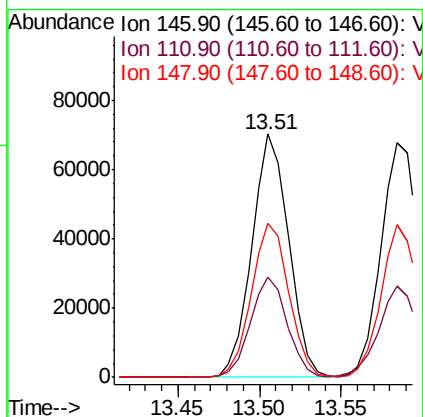
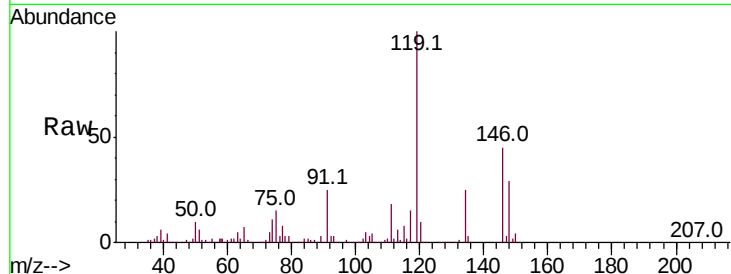




#87
 1,3-Dichlorobenzene
 Concen: 21.372 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005578.D
 Acq: 24 Sep 2018 12:21

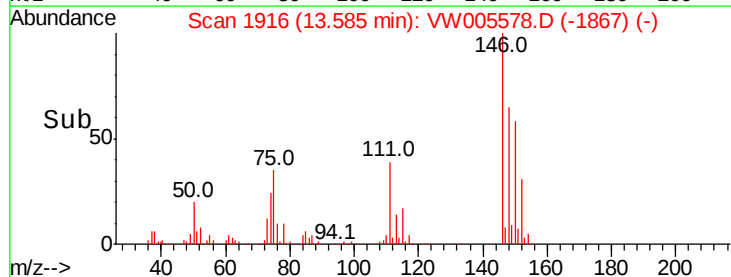
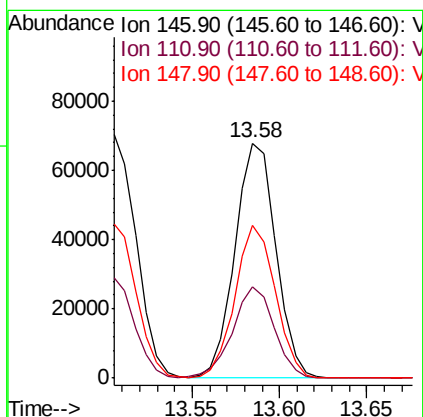
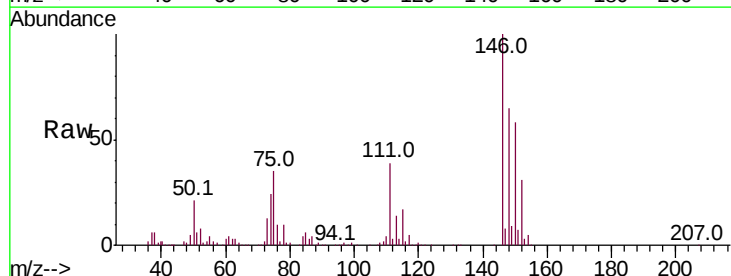
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

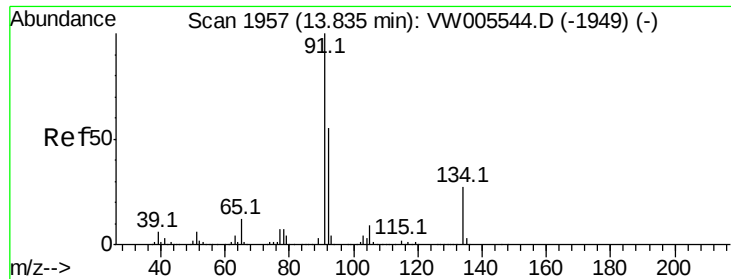
Tot Ion:146 Resp: 110620
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.3 60.9
 148 64.2 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.452 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005578.D
 Acq: 24 Sep 2018 12:21

Tgt Ion:146 Resp: 110426
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.9 59.7
 148 64.1 32.1 96.3





#89

n-Butylbenzene

Concen: 22.107 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. -0.00 min

Lab File: VW005578.D

Acq: 24 Sep 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

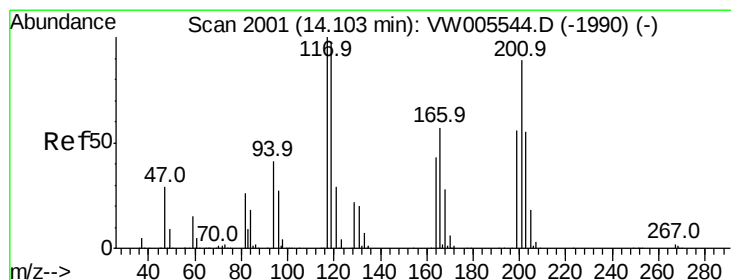
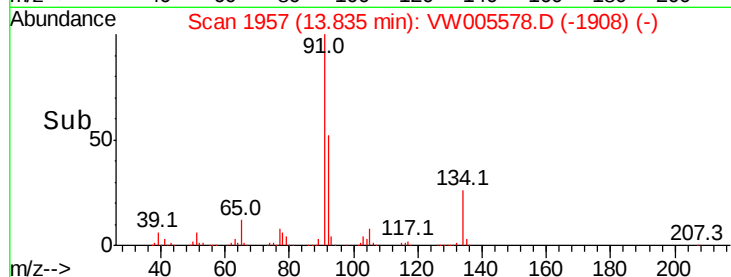
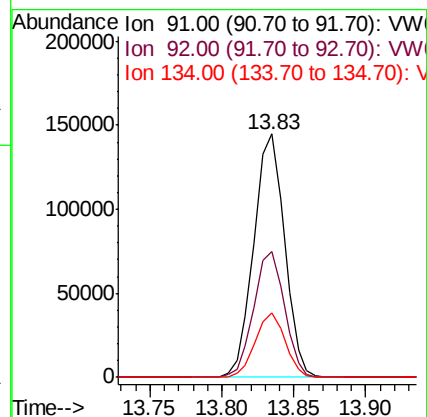
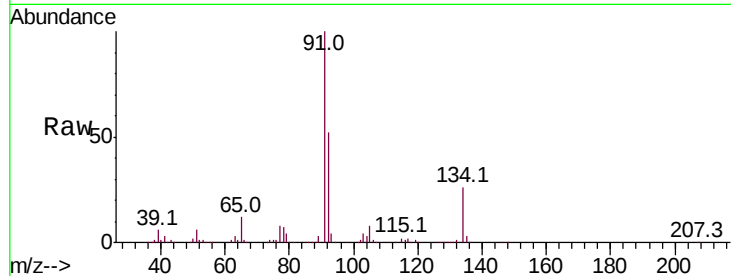
Tot Ion: 91 Resp: 213860

Ion Ratio Lower Upper

91 100

92 51.9 26.5 79.5

134 25.8 12.9 38.7



#90

Hexachloroethane

Concen: 21.416 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW005578.D

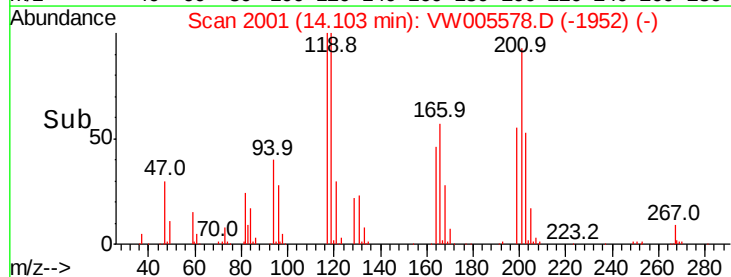
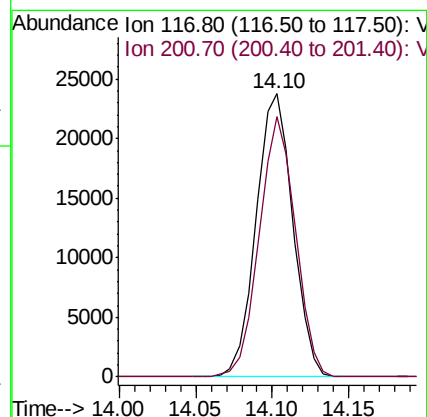
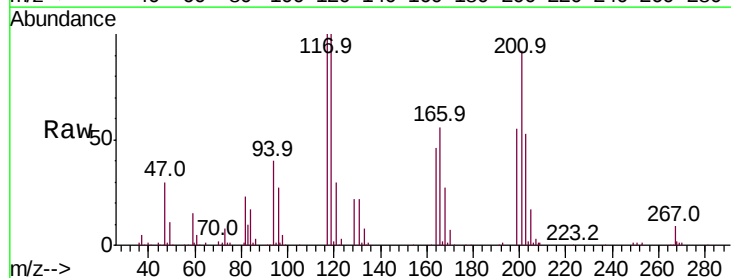
Acq: 24 Sep 2018 12:21

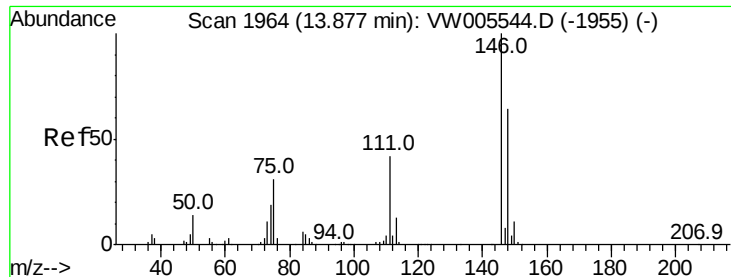
Tgt Ion: 117 Resp: 39810

Ion Ratio Lower Upper

117 100

201 90.3 42.8 128.3

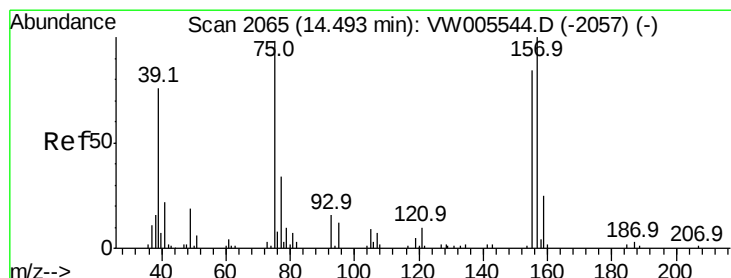
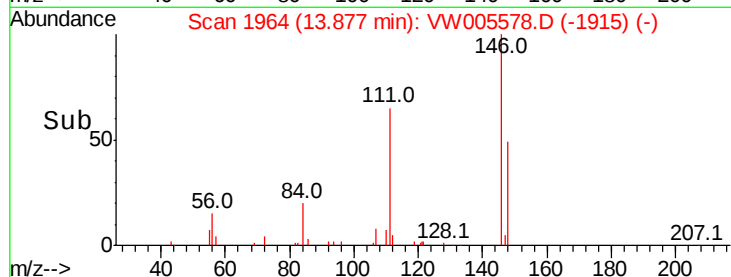
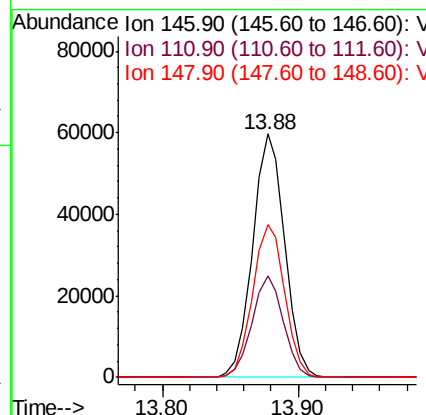
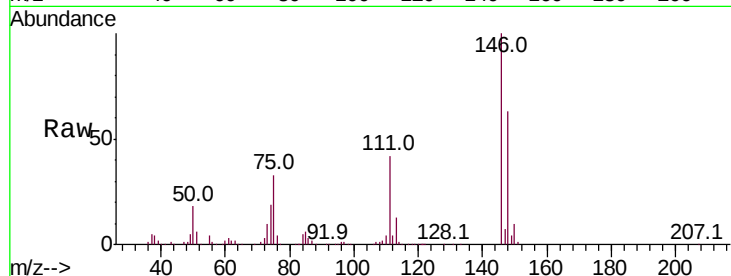




#91
 1,2-Dichlorobenzene
 Concen: 21.499 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW005578.D
 Acq: 24 Sep 2018 12:21

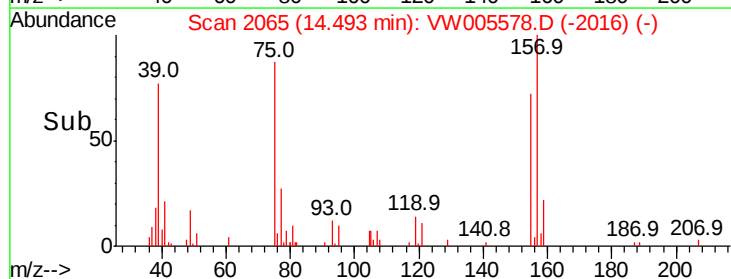
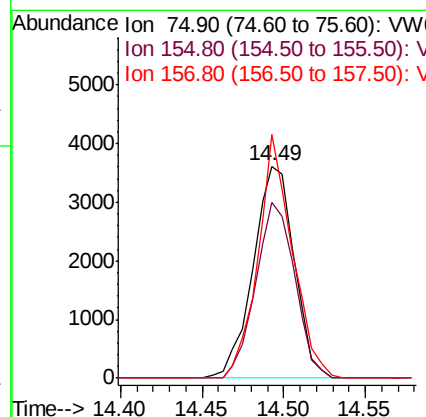
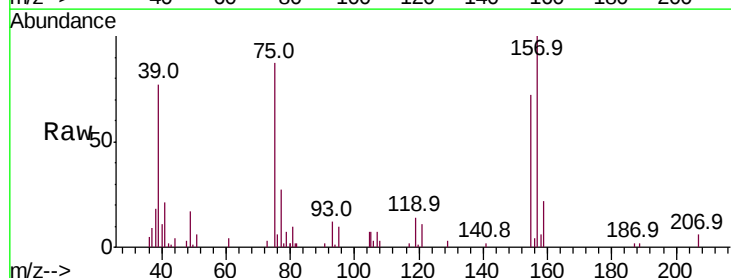
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

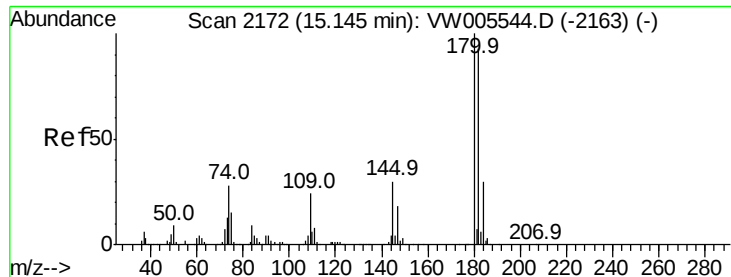
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.3	63.9
148	63.1	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.495 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW005578.D
 Acq: 24 Sep 2018 12:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.8	39.1	117.5
157	96.2	50.8	152.4

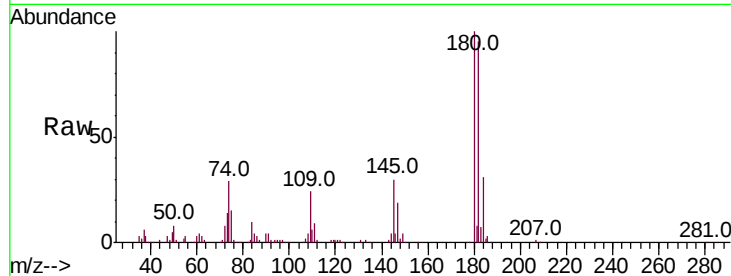




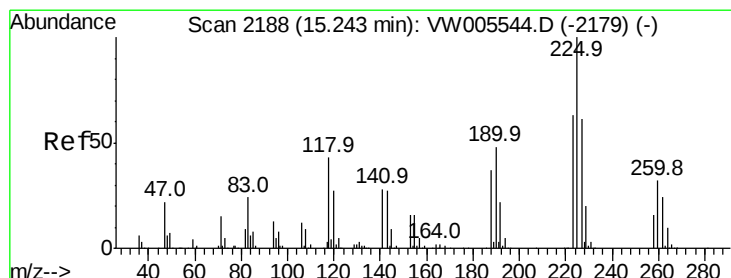
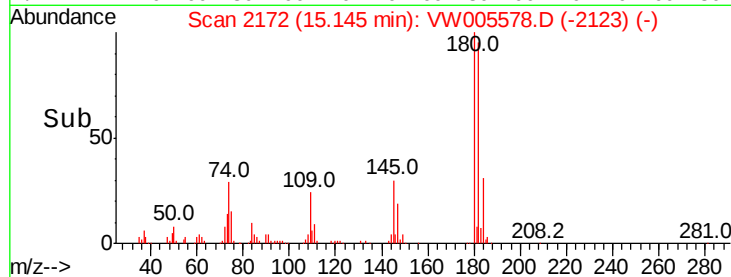
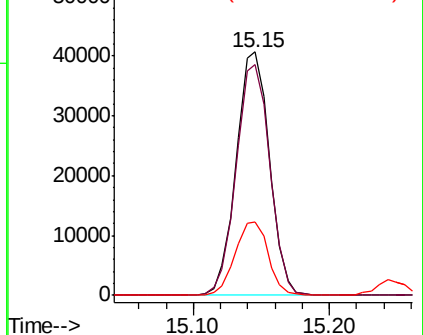
#93
 1,2,4-Trichlorobenzene
 Concen: 21.321 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW005578.D
 Acq: 24 Sep 2018 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

Tot Ion:180 Resp: 69492
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.7 143.1
 145 29.9 15.0 45.1

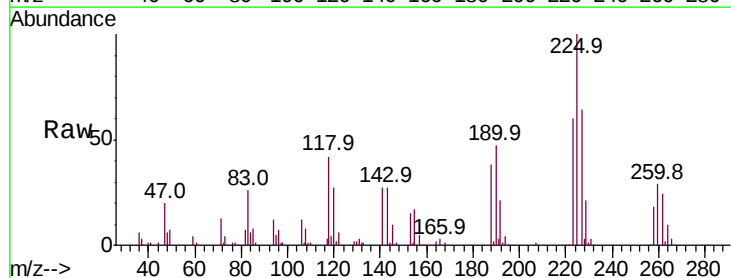


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

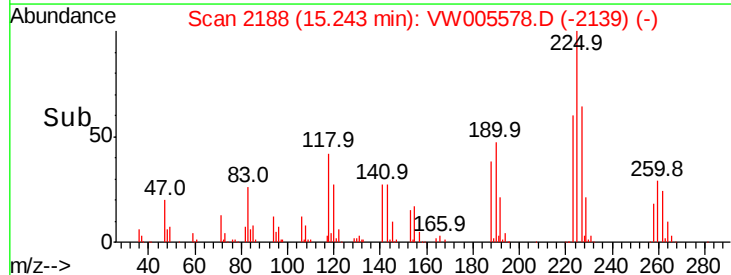
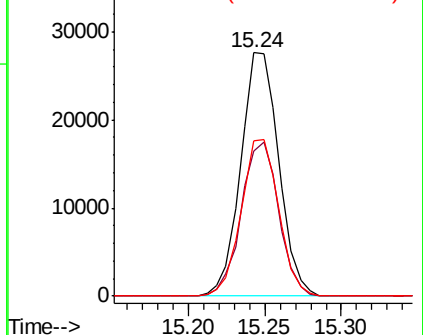


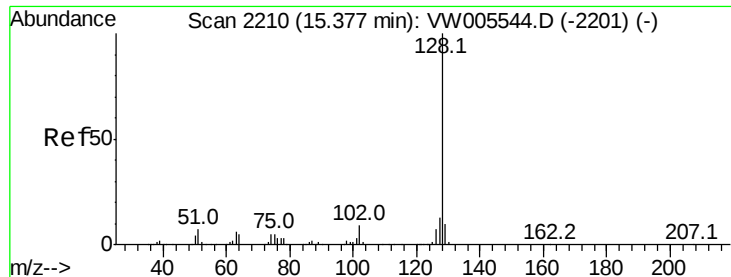
#94
 Hexachlorobutadiene
 Concen: 22.637 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW005578.D
 Acq: 24 Sep 2018 12:21

Tgt Ion:225 Resp: 47799
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.1 93.3
 227 63.3 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

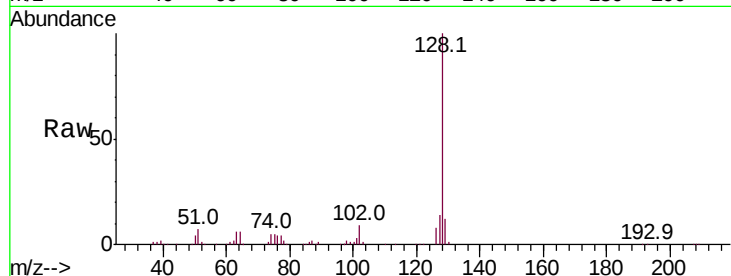




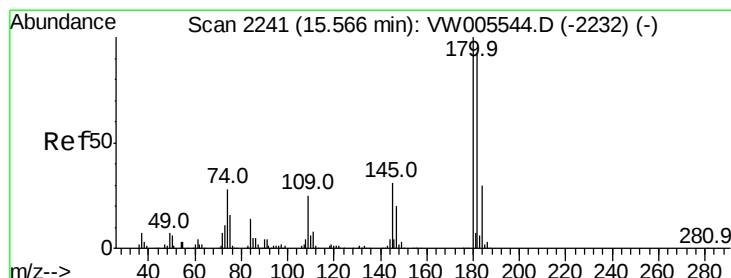
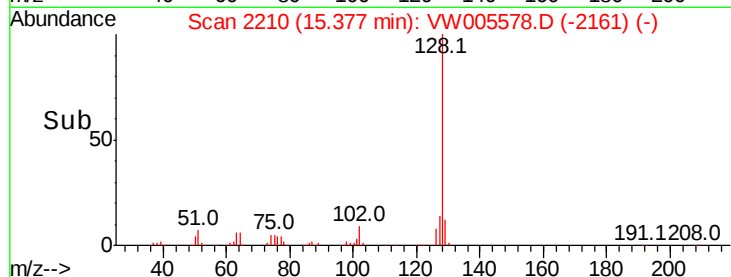
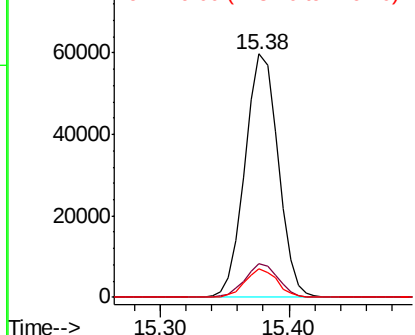
#95
Naphthalene
Concen: 19.452 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.9	16.3
129	11.2	8.6	13.0

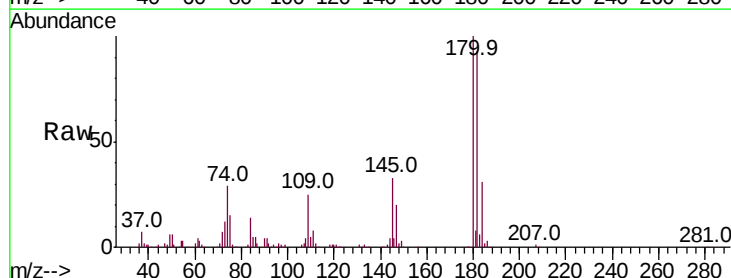


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.090 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005578.D
Acq: 24 Sep 2018 12:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.3	141.9
145	33.0	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

