

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081218\
 Data File : VW004569.D
 Acq On : 09 Aug 2018 23:52
 Operator : SY/AP
 Sample : VW0812SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

Quant Time: Aug 10 03:51:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	675531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1073229	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1036562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	549914	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	373061	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	7.88	113	360204	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.33	98	1436242	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
62) 4-Bromofluorobenzene	12.62	95	519252	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	99935	21.557	ug/l	100
3) Chloromethane	2.22	50	131701	20.392	ug/l	98
4) Vinyl Chloride	2.37	62	197107	21.847	ug/l	99
5) Bromomethane	2.78	94	117383	22.345	ug/l	95
6) Chloroethane	2.92	64	118271	21.939	ug/l	99
7) Trichlorofluoromethane	3.26	101	81718	24.523	ug/l	95
8) Diethyl Ether	3.68	74	86036	20.410	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	154655	21.013	ug/l	99
10) Methyl Iodide	4.26	142	239430	21.683	ug/l	100
11) Tert butyl alcohol	5.21	59	40402	92.275	ug/l	99
12) 1,1-Dichloroethene	4.03	96	155222	20.953	ug/l	99
13) Acrolein	3.89	56	53285	99.325	ug/l	99
14) Allyl chloride	4.66	41	240013	21.564	ug/l	99
15) Acrylonitrile	5.37	53	186122	99.358	ug/l	99
16) Acetone	4.14	43	191269	102.420	ug/l	100
17) Carbon Disulfide	4.38	76	514735	21.621	ug/l	97
18) Methyl Acetate	4.67	43	90868	19.513	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	201782	19.969	ug/l	96
20) Methylene Chloride	4.92	84	231768	20.114	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	169183	21.192	ug/l	97
22) Diisopropyl ether	6.31	45	502535	21.971	ug/l	99
23) Vinyl Acetate	6.26	43	1346881	97.980	ug/l	99
24) 1,1-Dichloroethane	6.21	63	309090	21.112	ug/l	100
25) 2-Butanone	7.18	43	288057	95.891	ug/l	97
26) 2,2-Dichloropropane	7.17	77	160963	20.948	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	181132	21.088	ug/l	99
28) Bromochloromethane	7.51	49	129819	20.380	ug/l	98
29) Tetrahydrofuran	7.54	42	149636	96.353	ug/l	98
30) Chloroform	7.68	83	303349	21.095	ug/l	99
31) Cyclohexane	7.96	56	282644	20.177	ug/l	95
32) 1,1,1-Trichloroethane	7.88	97	232893	21.561	ug/l	98
36) 1,1-Dichloropropene	8.08	75	238706	20.657	ug/l	100
37) Ethyl Acetate	7.26	43	102675	18.972	ug/l	98
38) Carbon Tetrachloride	8.07	117	214008	20.581	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	279692	19.747	ug/l	97
40) Benzene	8.32	78	708934	20.892	ug/l	100
41) Methacrylonitrile	7.49	41	56270	18.615	ug/l	98
42) 1,2-Dichloroethane	8.40	62	189746	20.210	ug/l	100
43) Isopropyl Acetate	8.43	43	177866	18.854	ug/l	100
44) Trichloroethene	9.09	130	170575	20.456	ug/l	100
45) 1,2-Dichloropropane	9.37	63	175719	20.677	ug/l	97
46) Dibromomethane	9.46	93	86923	20.092	ug/l	99
47) Bromodichloromethane	9.65	83	205783	20.152	ug/l	100
48) Methyl methacrylate	9.44	41	85027	19.284	ug/l	100
49) 1,4-Dioxane	9.47	88	26607	403.127	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	632150	96.267	ug/l	99
52) Toluene	10.39	92	427689	21.373	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	201827	19.683	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	240900	20.160	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	123400	19.901	ug/l	98
56) Ethyl methacrylate	10.65	69	144228	19.428	ug/l	100
57) 1,3-Dichloropropane	10.93	76	216900	20.295	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	351810	94.987	ug/l	99
59) 2-Hexanone	10.98	43	425513	95.574	ug/l	98
60) Dibromochloromethane	11.13	129	136076	20.177	ug/l	99
61) 1,2-Dibromoethane	11.24	107	117962	20.249	ug/l	99
64) Tetrachloroethene	10.87	164	153335	21.205	ug/l	97
65) Chlorobenzene	11.66	112	474089	20.753	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	155416	19.983	ug/l	99
67) Ethyl Benzene	11.74	91	796028	20.556	ug/l	99
68) m/p-Xylenes	11.84	106	626637	41.871	ug/l	100
69) o-Xylene	12.17	106	282565	20.359	ug/l	98
70) Styrene	12.18	104	483810	20.631	ug/l	99
71) Bromoform	12.35	173	82866	19.382	ug/l	97
73) Isopropylbenzene	12.47	105	783336	20.594	ug/l	99
74) N-amyl acetate	12.28	43	169916	18.422	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	155140	19.538	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	196508	34.533	ug/l #	100
77) Bromobenzene	12.75	156	190292	20.678	ug/l	100
78) n-propylbenzene	12.81	91	982114	20.925	ug/l	100
79) 2-Chlorotoluene	12.90	91	567700	20.901	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	694333	21.399	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	42951	18.069	ug/l	96
82) 4-Chlorotoluene	12.99	91	613604	21.286	ug/l	100
83) tert-Butylbenzene	13.21	119	563448	20.703	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	708805	21.102	ug/l	100
85) sec-Butylbenzene	13.39	105	849605	20.693	ug/l	100
86) p-Isopropyltoluene	13.51	119	741578	20.843	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	390801	20.609	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	386907	20.496	ug/l	99
89) n-Butylbenzene	13.83	91	705506	20.182	ug/l	99
90) Hexachloroethane	14.10	117	129661	19.697	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	353006	20.519	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	24095	18.571	ug/l	98

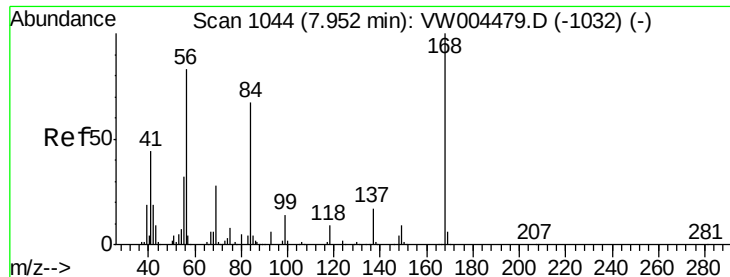
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081218\
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Quant Title : SW846 8260
QLast Update : Tue Aug 07 08:22:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	239636	20.119	ug/l	100
94) Hexachlorobutadiene	15.24	225	140420	20.247	ug/l	99
95) Naphthalene	15.38	128	417729	18.918	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	216380	20.216	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

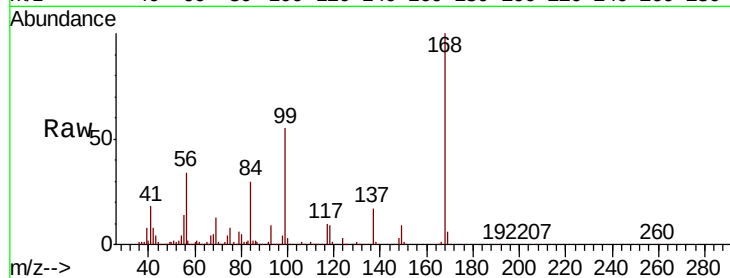
VW0812SBSD01

Tgt Ion:168 Resp: 675531

Ion Ratio Lower Upper

168 100

99 54.9 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

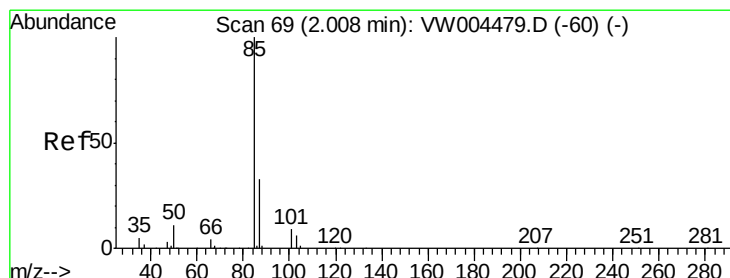
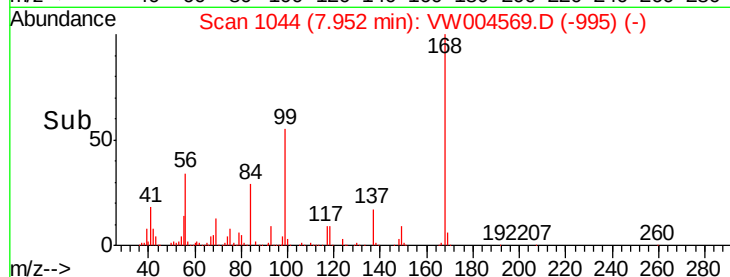
200000

100000

0

Time-->

7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 21.557 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004569.D

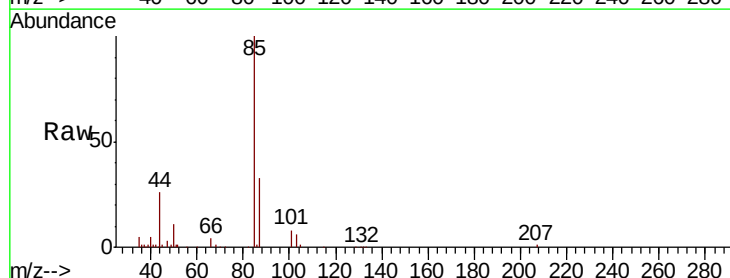
Acq: 09 Aug 2018 23:52

Tgt Ion: 85 Resp: 99935

Ion Ratio Lower Upper

85 100

87 33.3 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

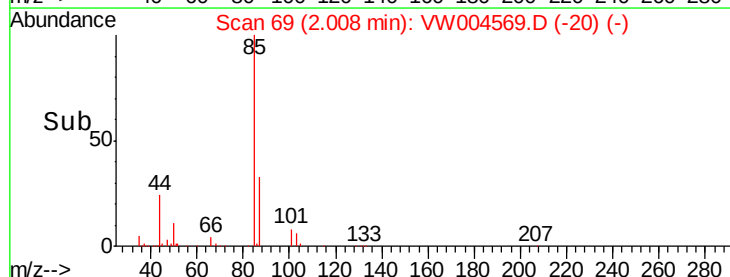
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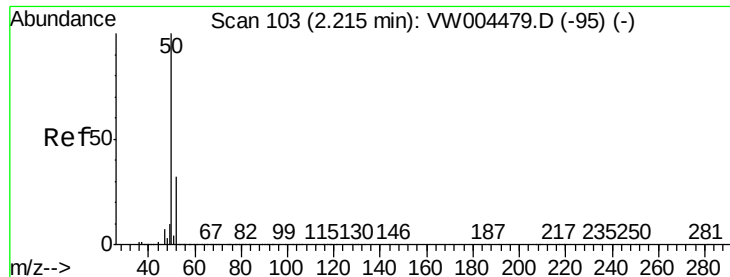
10000

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Time-->

1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 20.392 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

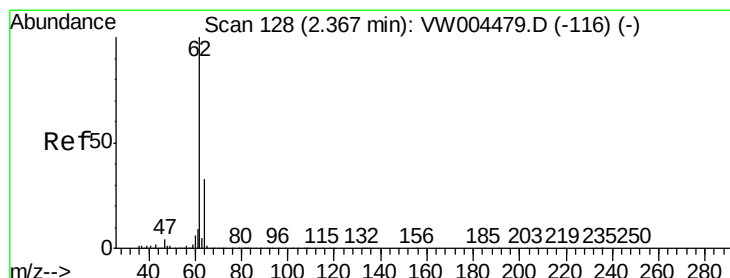
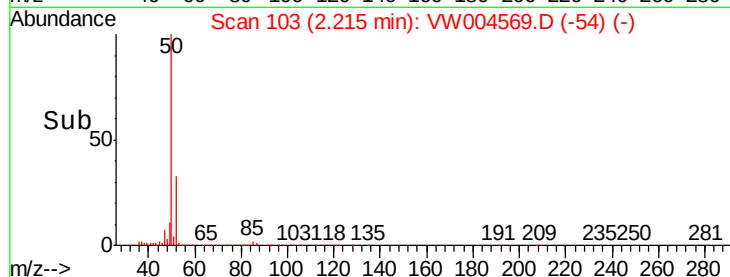
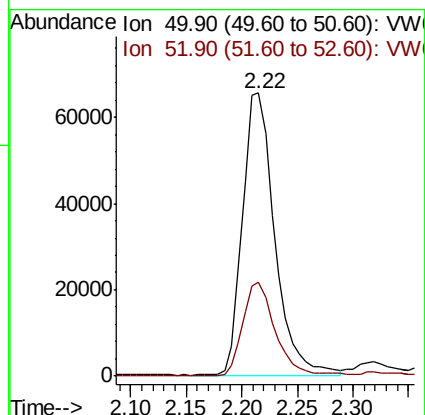
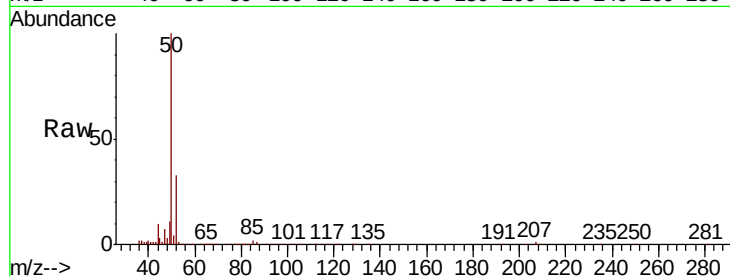
VW0812SBSD01

Tgt Ion: 50 Resp: 131701

Ion Ratio Lower Upper

50 100

52 33.3 25.8 38.8



#4

Vinyl Chloride

Concen: 21.847 ug/l

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004569.D

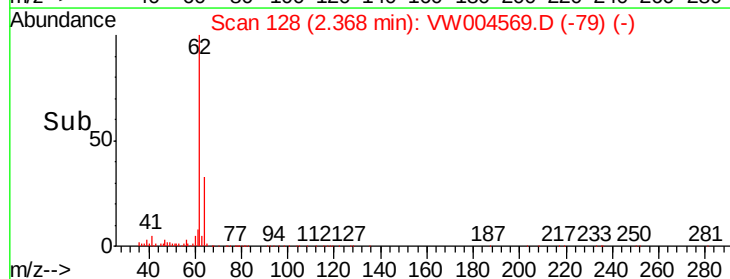
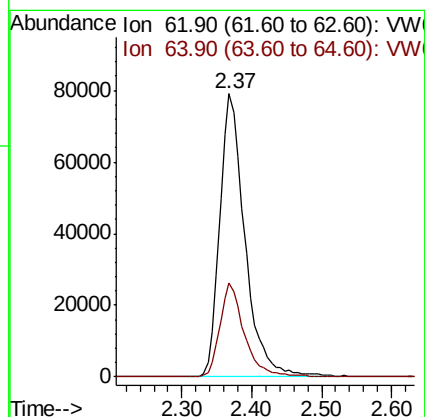
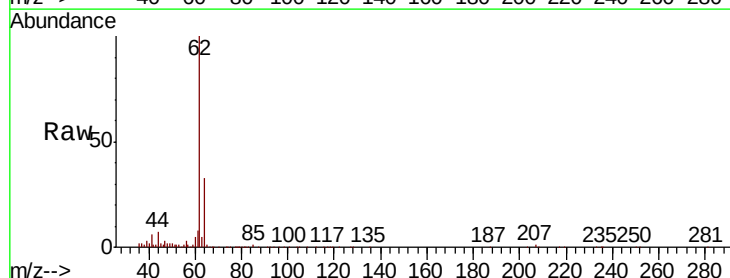
Acq: 09 Aug 2018 23:52

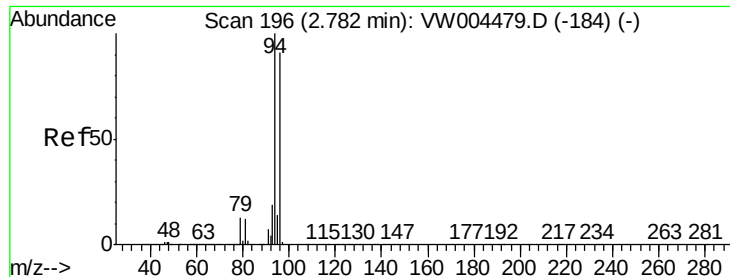
Tgt Ion: 62 Resp: 197107

Ion Ratio Lower Upper

62 100

64 33.0 26.2 39.2





#5

Bromomethane

Concen: 22.345 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

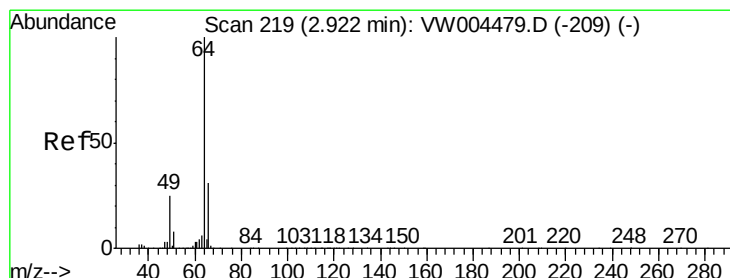
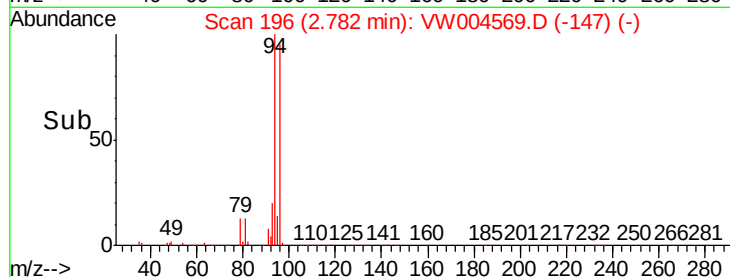
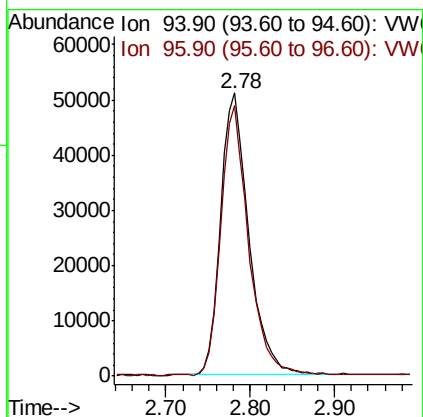
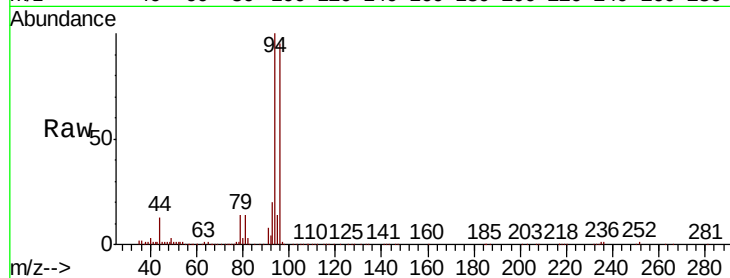
VW0812SBSD01

Tgt Ion: 94 Resp: 117383

Ion Ratio Lower Upper

94 100

96 95.5 72.9 109.3



#6

Chloroethane

Concen: 21.939 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004569.D

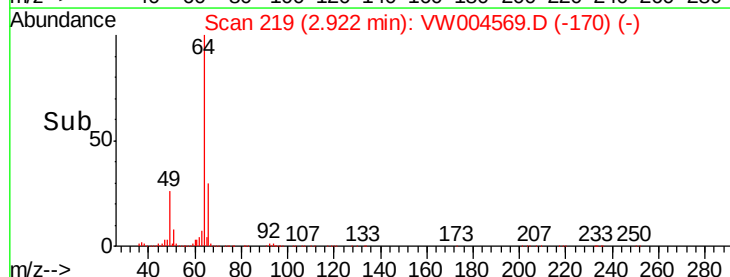
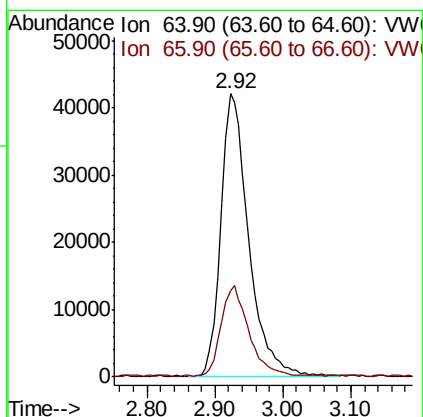
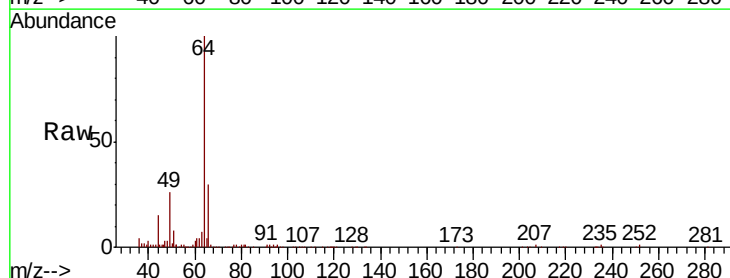
Acq: 09 Aug 2018 23:52

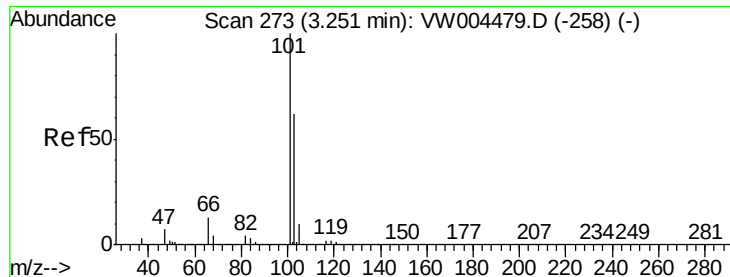
Tgt Ion: 64 Resp: 118271

Ion Ratio Lower Upper

64 100

66 30.0 24.6 36.8



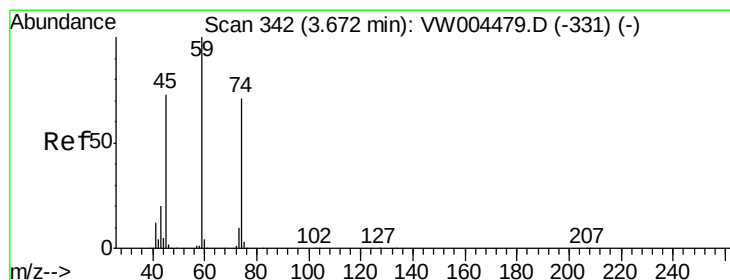
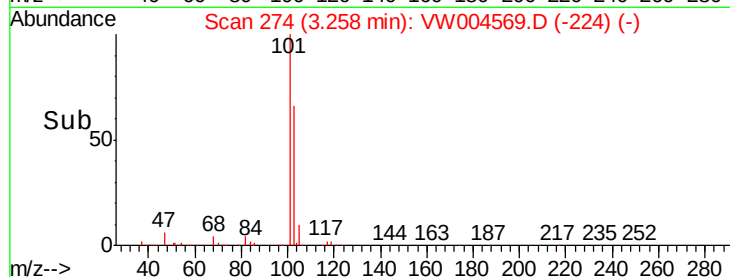
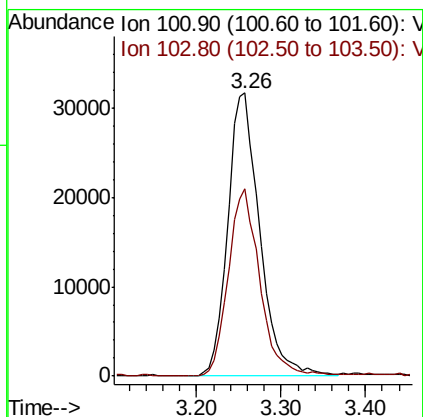
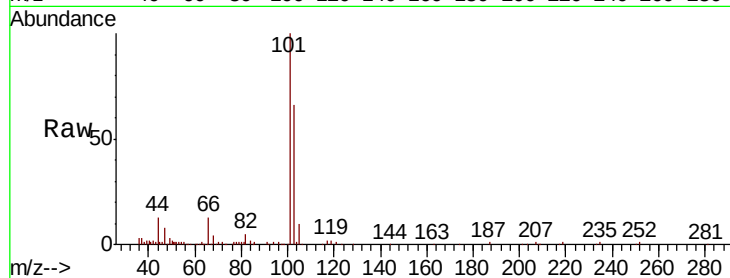


#7

Trichlorofluoromethane
Concen: 24.523 ug/l
RT: 3.26 min Scan# 274
Delta R.T. 0.01 min
Lab File: VW004569.D
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Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

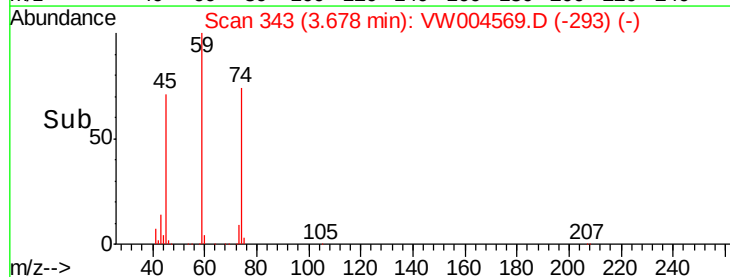
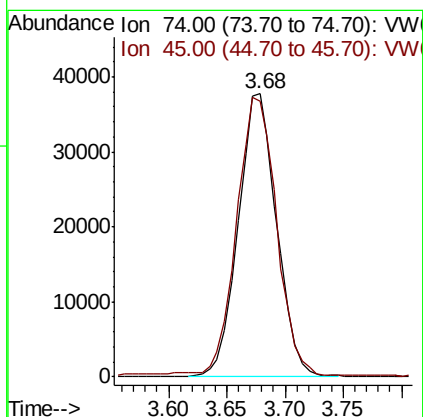
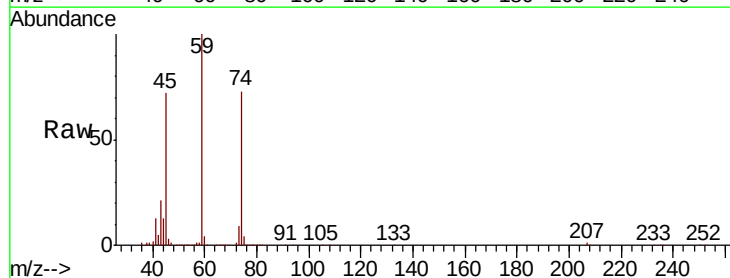
Tgt Ion: 101 Resp: 81718
Ion Ratio Lower Upper
101 100
103 66.0 49.8 74.8

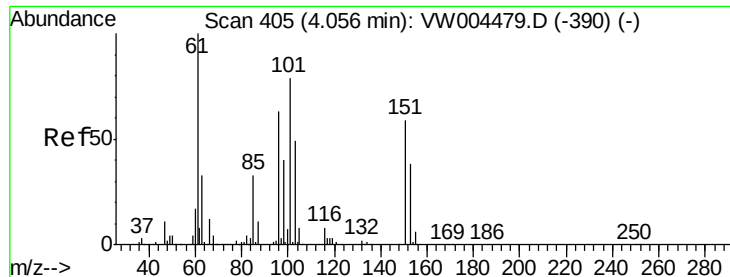


#8

Diethyl Ether
Concen: 20.410 ug/l
RT: 3.68 min Scan# 343
Delta R.T. 0.01 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

Tgt Ion: 74 Resp: 86036
Ion Ratio Lower Upper
74 100
45 102.9 51.2 153.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.013 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

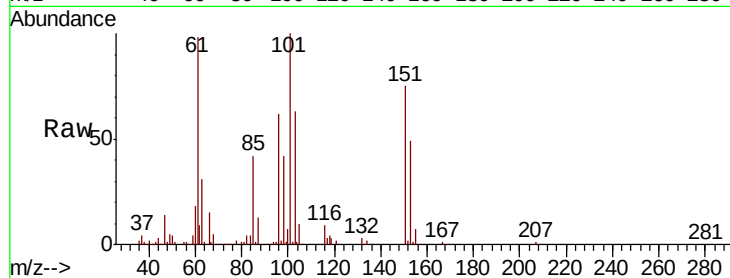
Tgt Ion:101 Resp: 154655

Ion Ratio Lower Upper

101 100

85 42.2 34.6 51.8

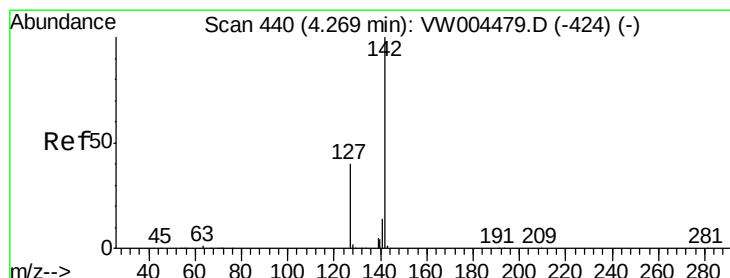
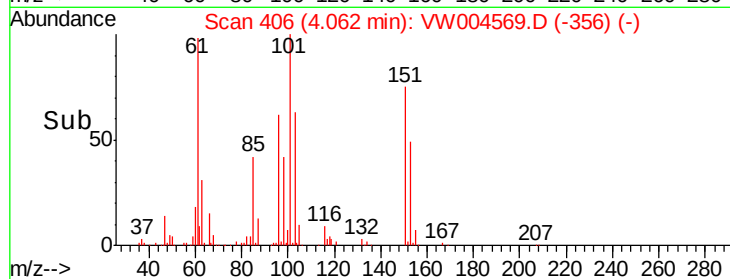
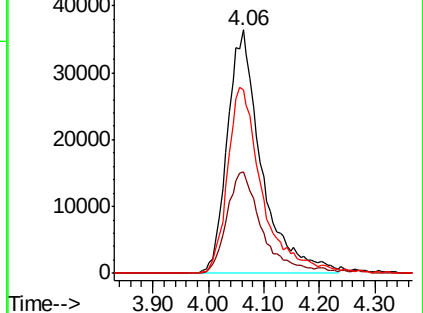
151 77.6 61.3 91.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.683 ug/l

RT: 4.26 min Scan# 439

Delta R.T. -0.01 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

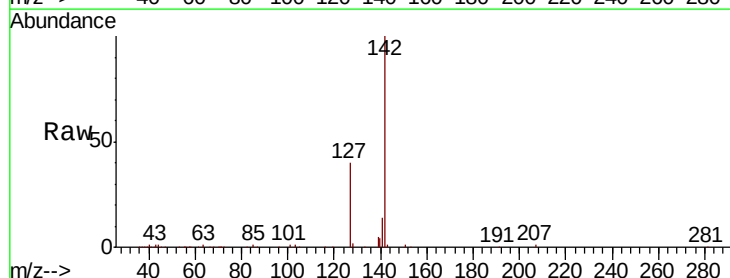
Tgt Ion:142 Resp: 239430

Ion Ratio Lower Upper

142 100

127 40.9 32.7 49.1

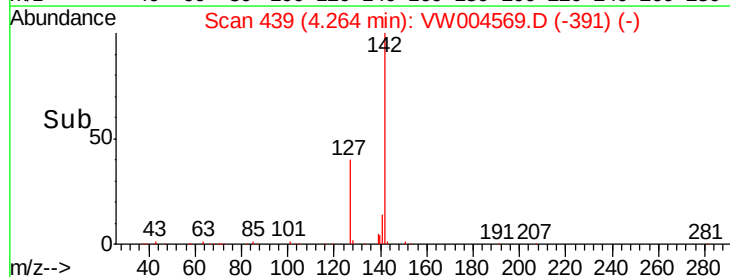
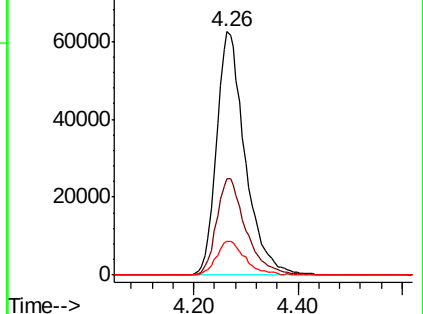
141 14.2 11.5 17.3

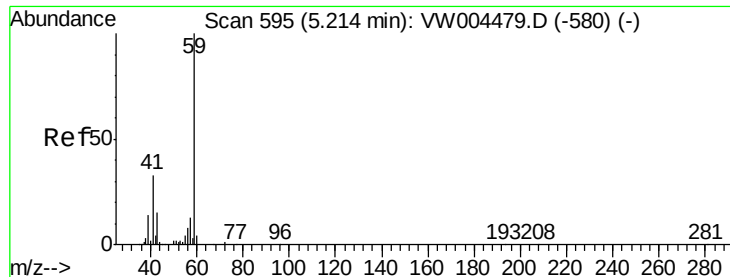


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

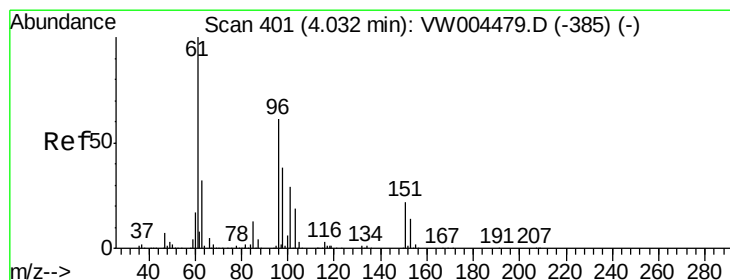
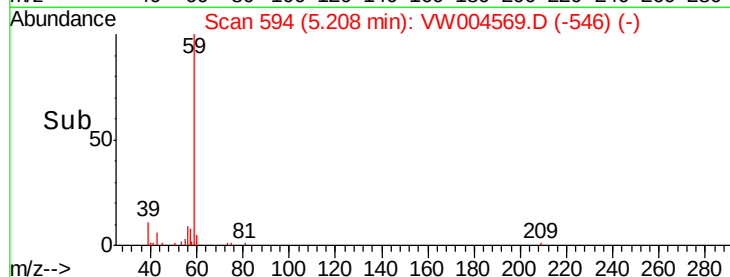
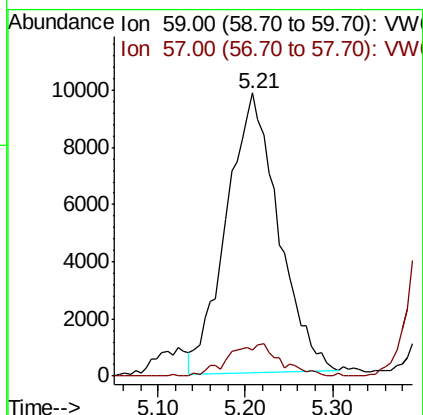
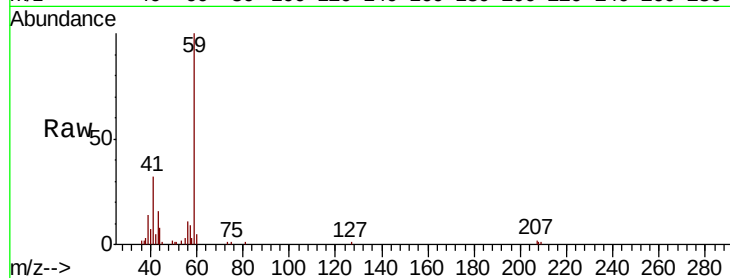




#11
Tert butyl alcohol
Concen: 92.275 ug/l
RT: 5.21 min Scan# 594
Delta R.T. -0.01 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

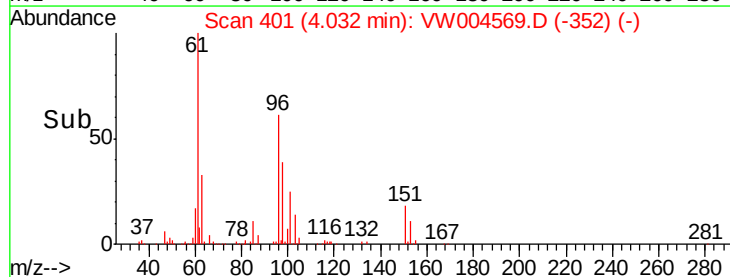
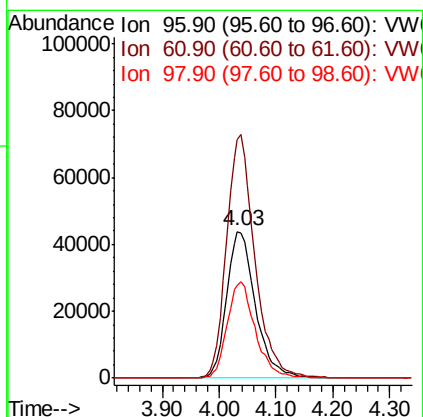
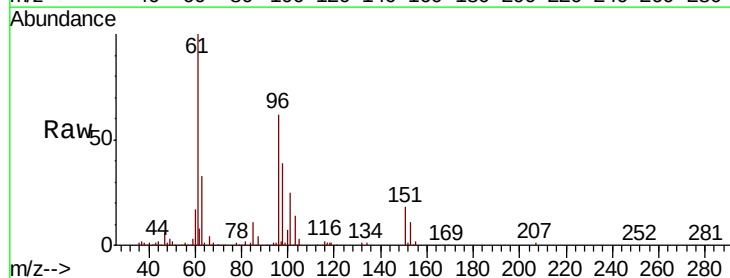
Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

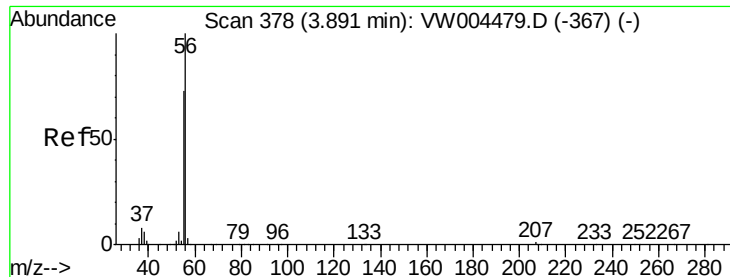
Tgt Ion: 59 Resp: 40402
Ion Ratio Lower Upper
59 100
57 11.6 9.1 13.7



#12
1,1-Dichloroethene
Concen: 20.953 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.00 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

Tgt Ion: 96 Resp: 155222
Ion Ratio Lower Upper
96 100
61 162.2 130.6 195.8
98 63.2 49.6 74.4





#13

Acrolein

Concen: 99.325 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

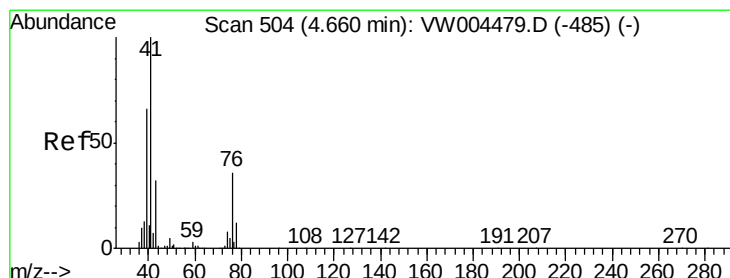
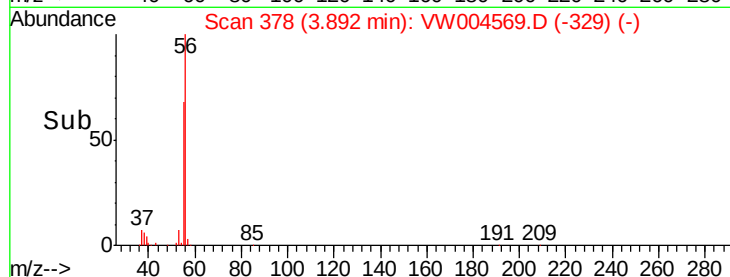
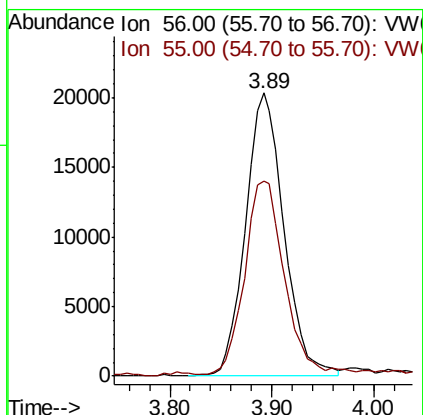
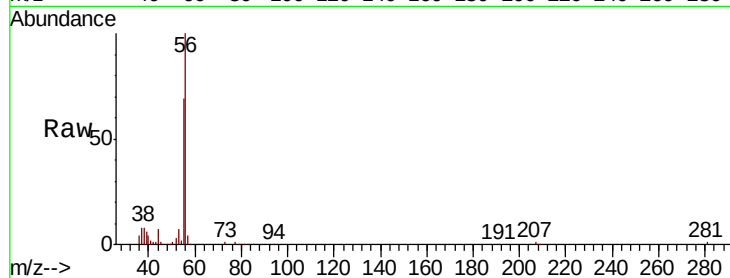
VW0812SBSD01

Tgt Ion: 56 Resp: 53285

Ion Ratio Lower Upper

56 100

55 71.6 56.7 85.1



#14

Allyl chloride

Concen: 21.564 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

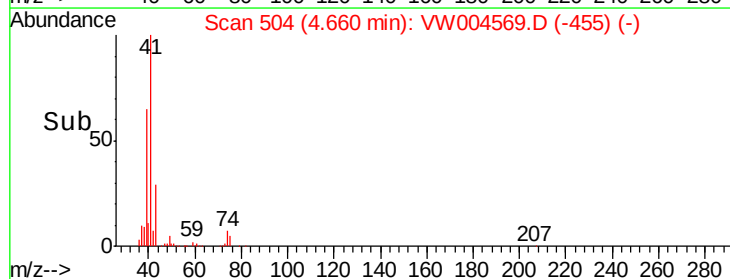
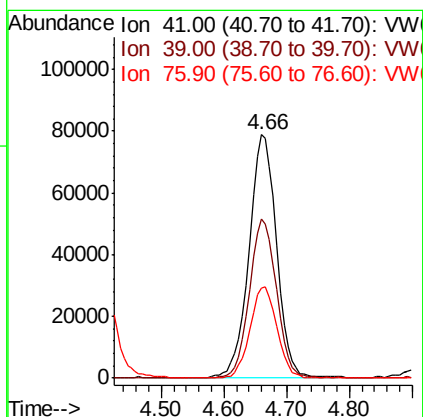
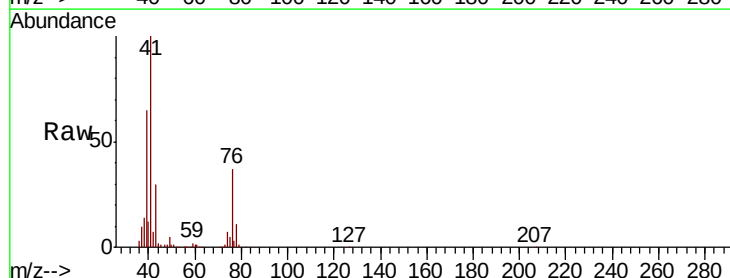
Tgt Ion: 41 Resp: 240013

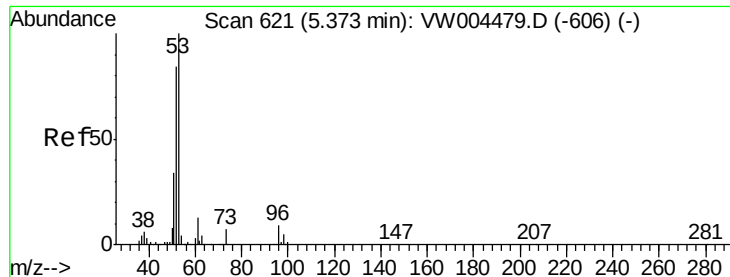
Ion Ratio Lower Upper

41 100

39 63.8 51.9 77.9

76 36.3 29.0 43.6

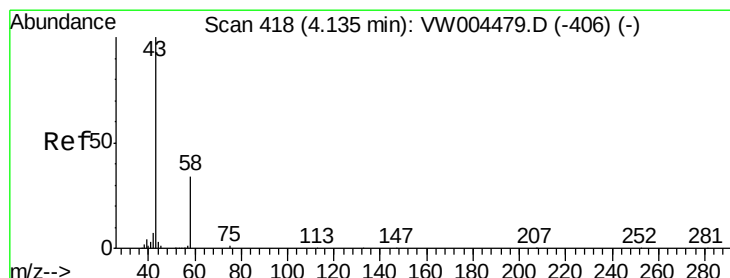
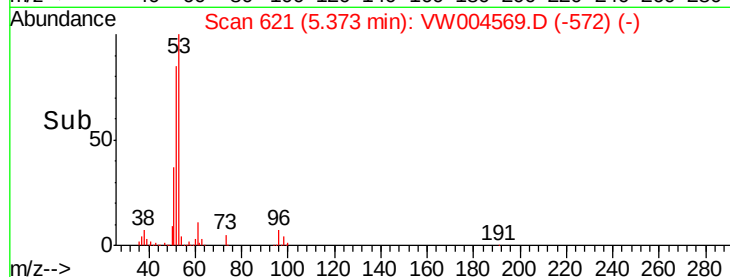
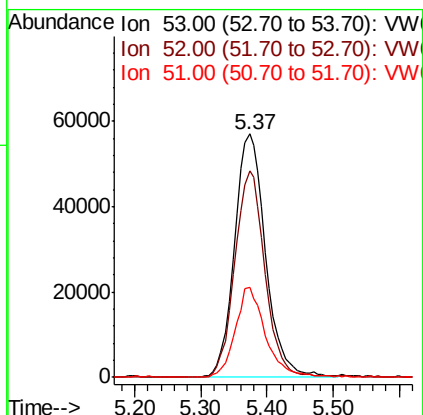
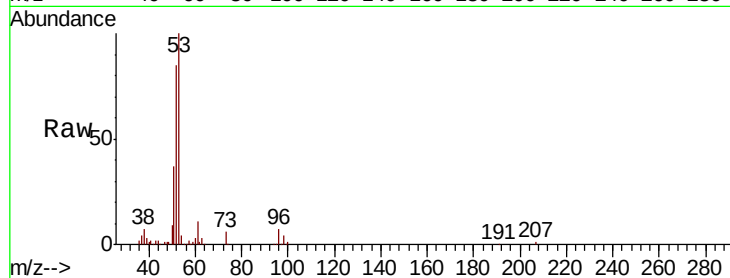




#15
 Acrylonitrile
 Concen: 99.358 ug/l
 RT: 5.37 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

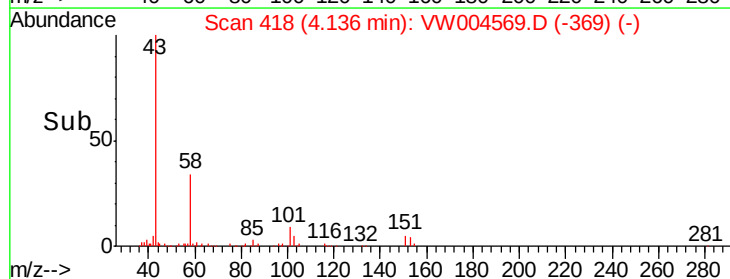
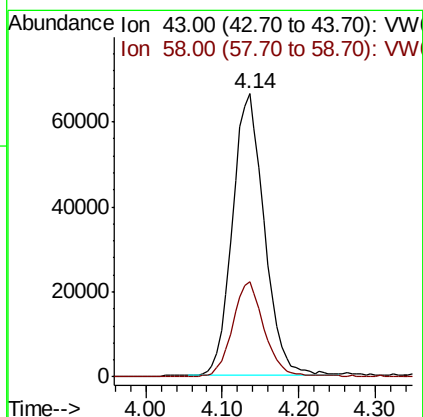
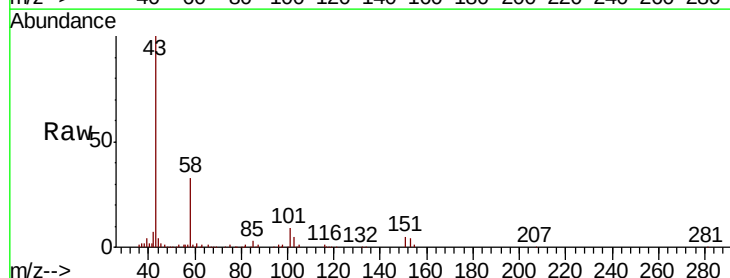
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

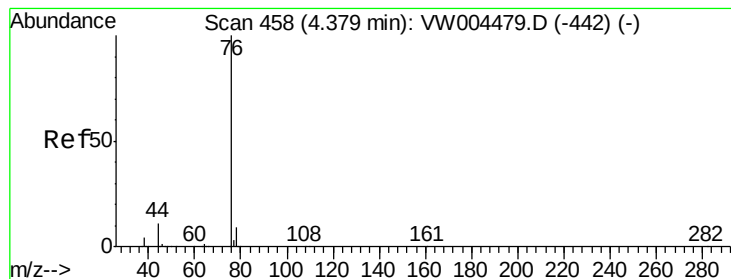
Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.5	99.7
51	35.7	28.4	42.6



#16
 Acetone
 Concen: 102.420 ug/l
 RT: 4.14 min Scan# 418
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.4	26.8	40.2





#17

Carbon Disulfide

Concen: 21.621 ug/l

RT: 4.38 min Scan# 458

Delta R.T. 0.00 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

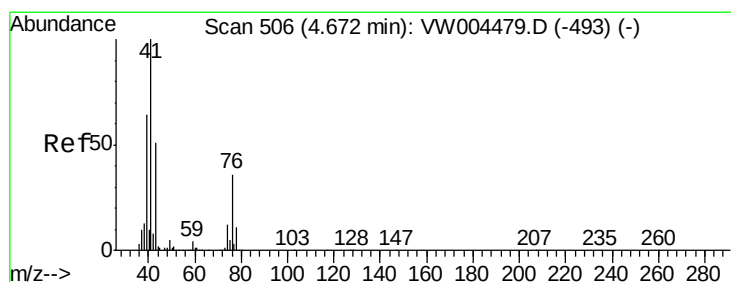
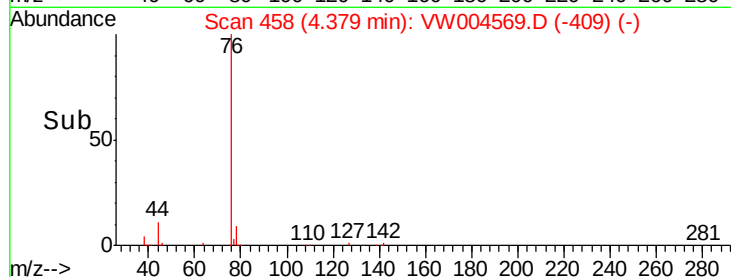
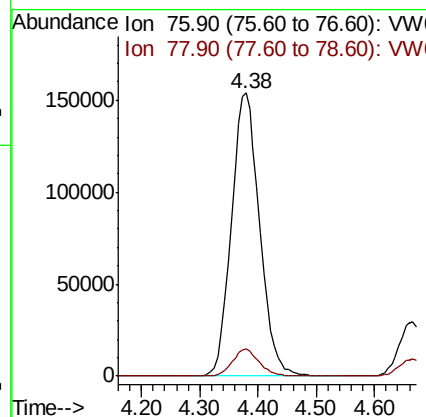
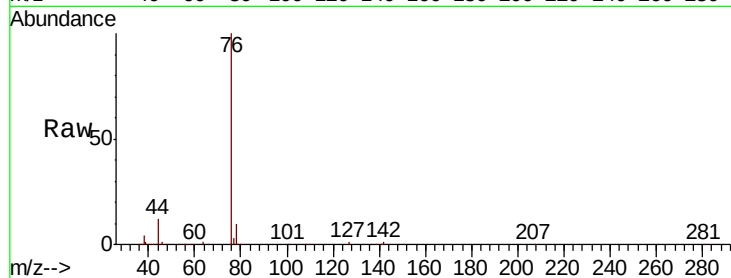
VW0812SBSD01

Tgt Ion: 76 Resp: 514735

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.4



#18

Methyl Acetate

Concen: 19.513 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.00 min

Lab File: VW004569.D

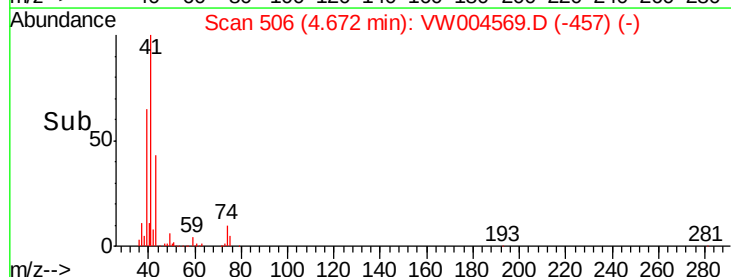
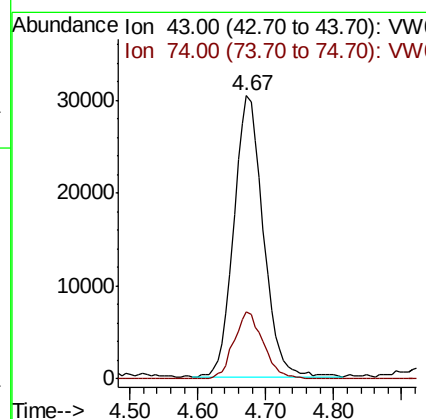
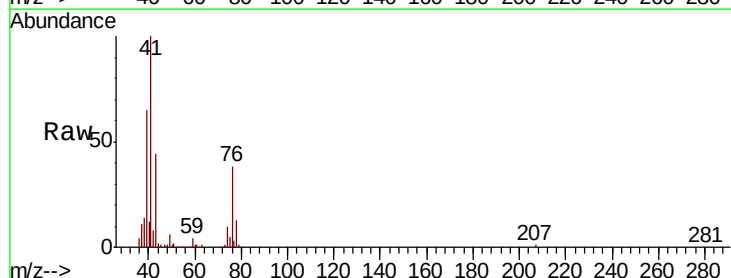
Acq: 09 Aug 2018 23:52

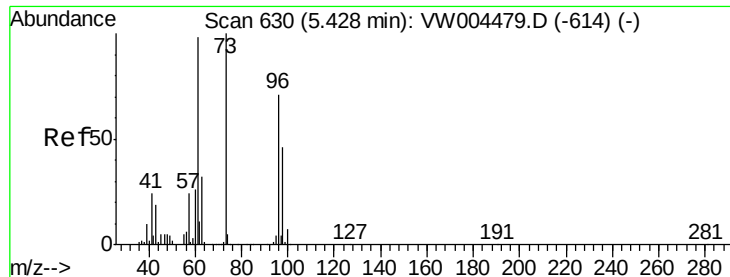
Tgt Ion: 43 Resp: 90868

Ion Ratio Lower Upper

43 100

74 23.7 19.1 28.7

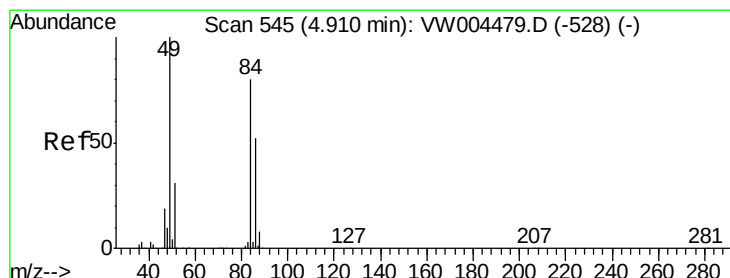
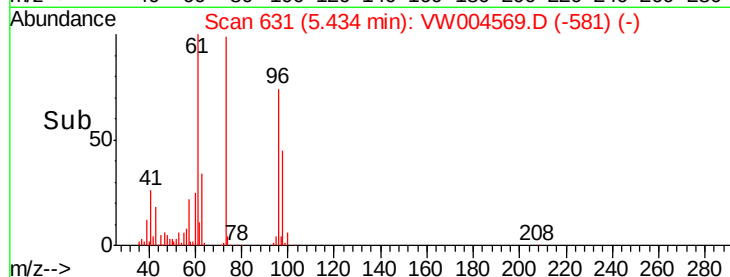
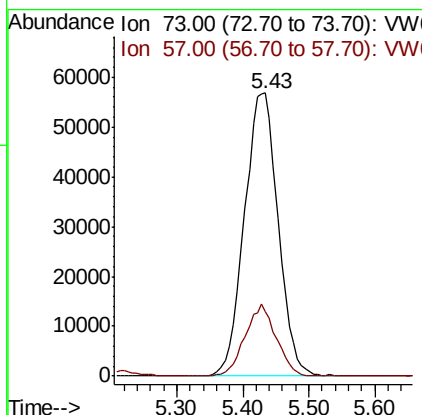
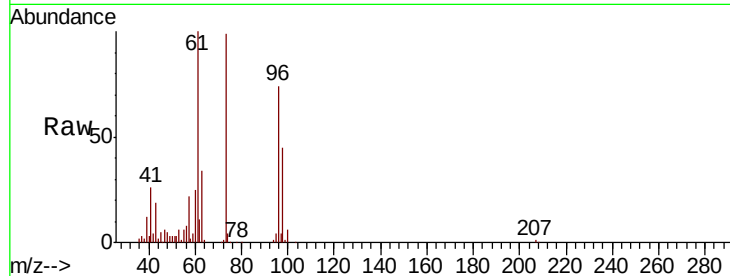




#19
Methyl tert-butyl Ether
Concen: 19.969 ug/l
RT: 5.43 min Scan# 631
Delta R.T. 0.01 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

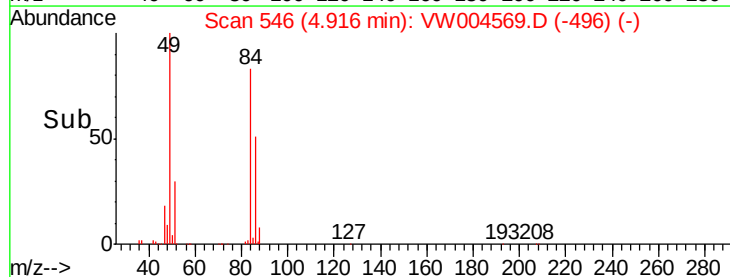
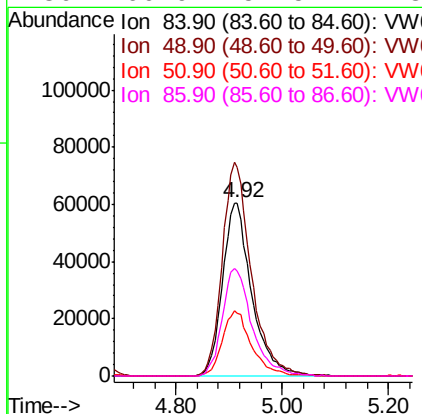
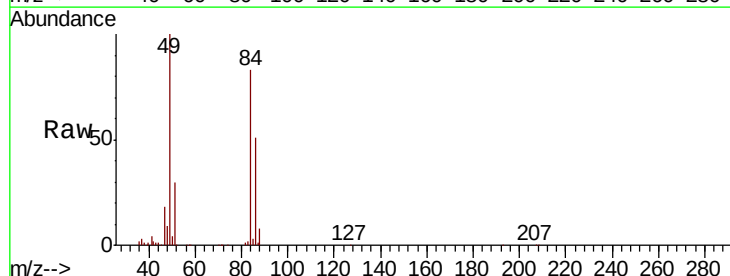
Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

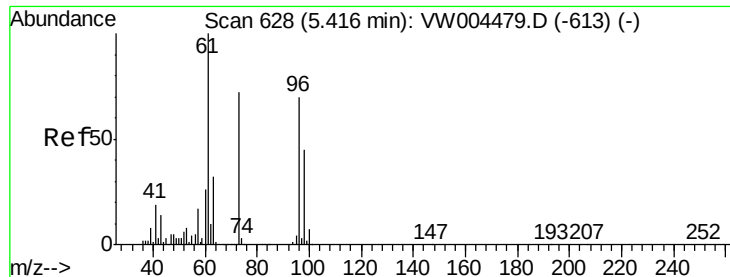
Tgt Ion: 73 Resp: 201782
Ion Ratio Lower Upper
73 100
57 22.7 19.6 29.4



#20
Methylene Chloride
Concen: 20.114 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

Tgt Ion: 84 Resp: 231768
Ion Ratio Lower Upper
84 100
49 120.5 99.6 149.4
51 36.1 31.0 46.4
86 60.9 51.5 77.3

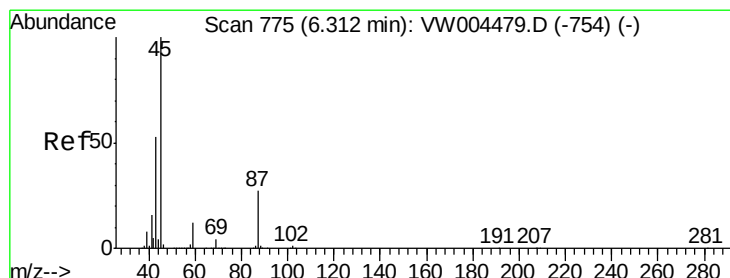
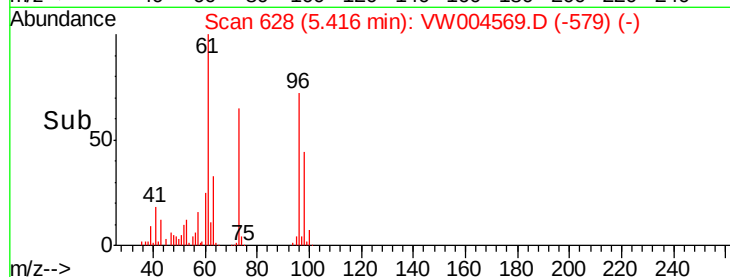
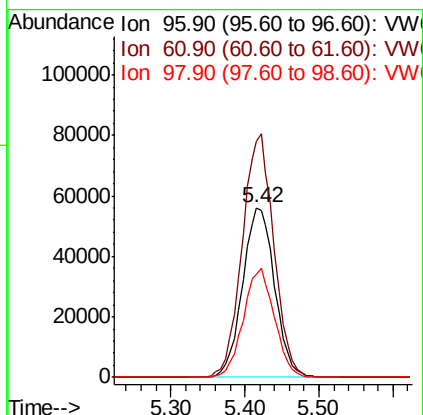
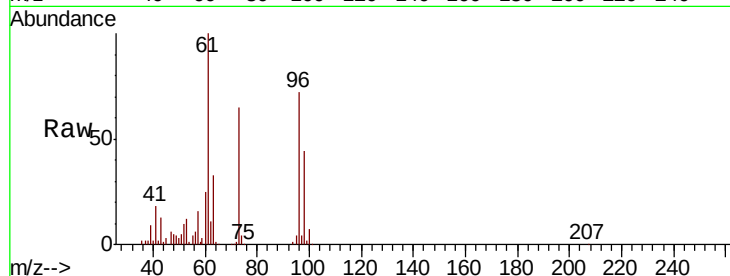




#21
trans-1,2-Dichloroethene
Concen: 21.192 ug/l
RT: 5.42 min Scan# 628
Delta R.T. 0.00 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

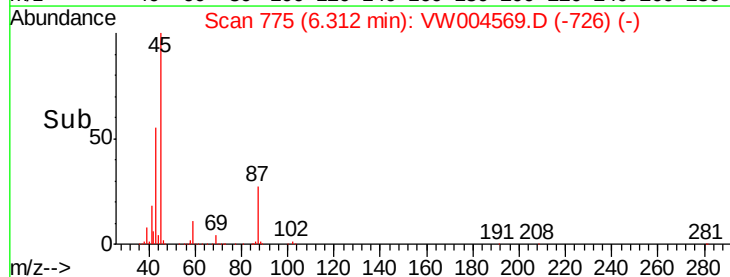
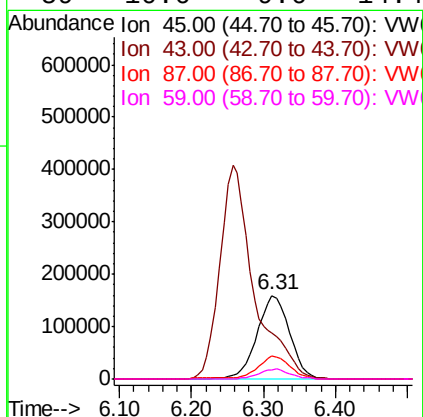
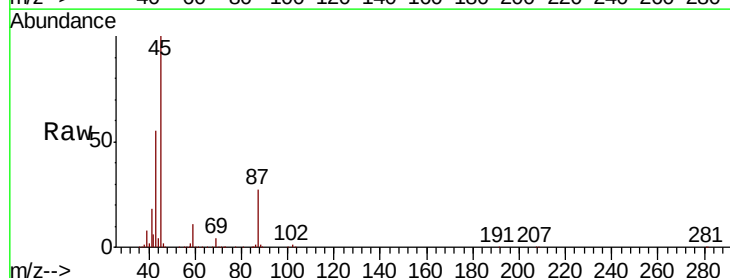
Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

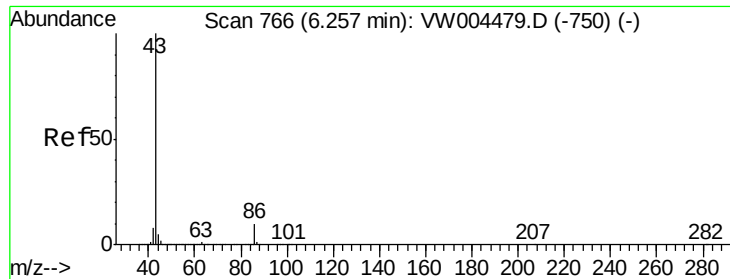
Tgt Ion: 96 Resp: 169183
Ion Ratio Lower Upper
96 100
61 138.8 114.1 171.1
98 60.9 51.4 77.2



#22
Diisopropyl ether
Concen: 21.971 ug/l
RT: 6.31 min Scan# 775
Delta R.T. 0.00 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

Tgt Ion: 45 Resp: 502535
Ion Ratio Lower Upper
45 100
43 54.2 42.4 63.6
87 27.0 21.6 32.4
59 10.6 9.6 14.4

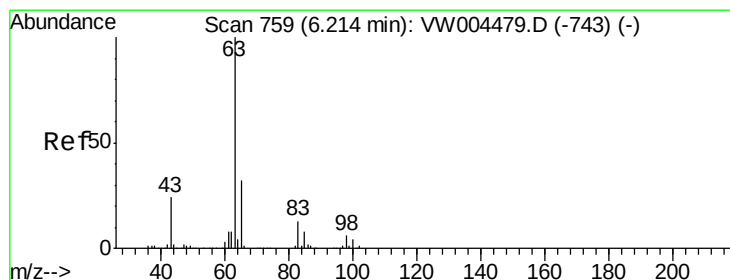
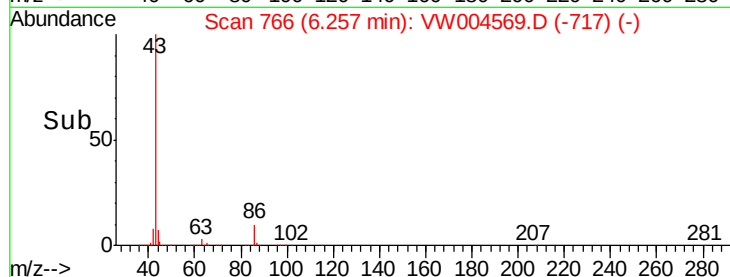
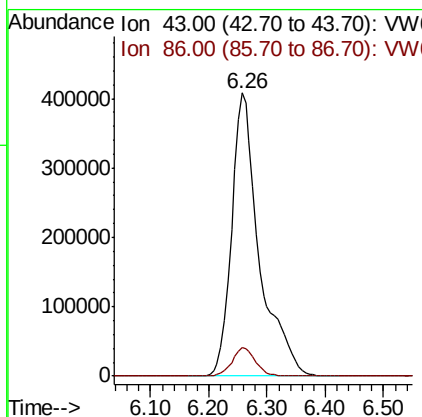
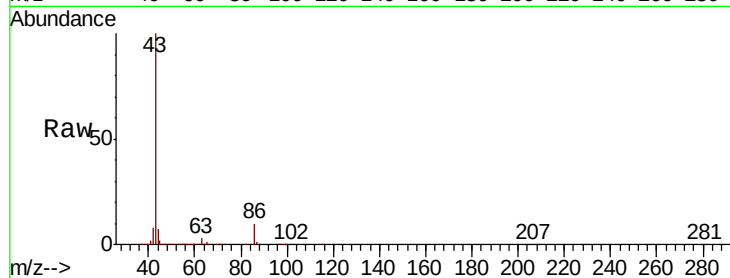




#23
 Vinyl Acetate
 Concen: 97.980 ug/l
 RT: 6.26 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

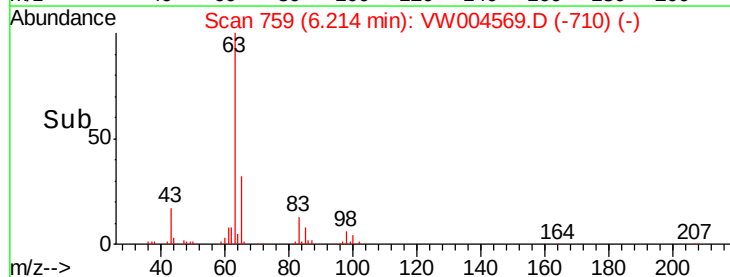
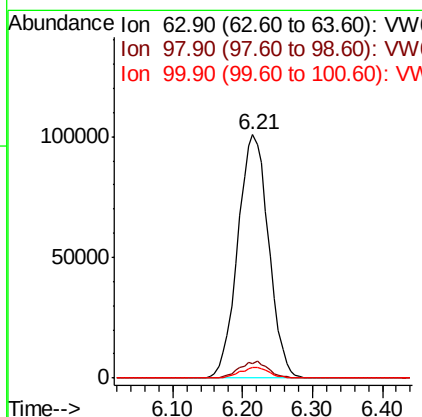
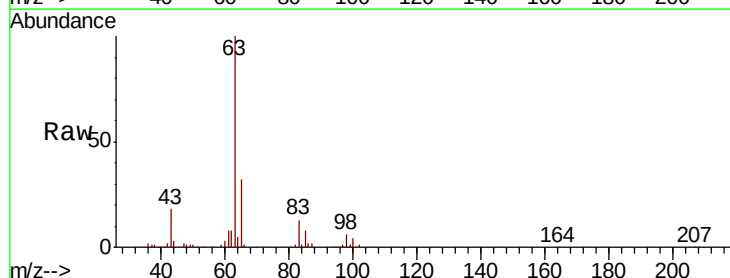
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

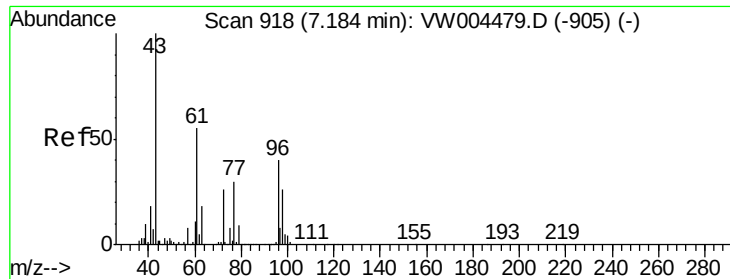
Tgt Ion: 43 Resp: 1346881
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.9 11.9



#24
 1,1-Dichloroethane
 Concen: 21.112 ug/l
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

Tgt Ion: 63 Resp: 309090
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.1 9.3
 100 4.1 2.1 6.5





#25

2-Butanone

Concen: 95.891 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

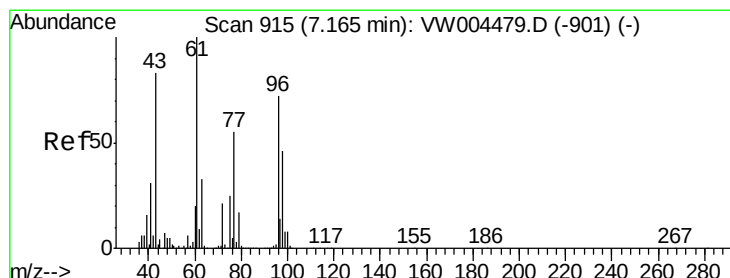
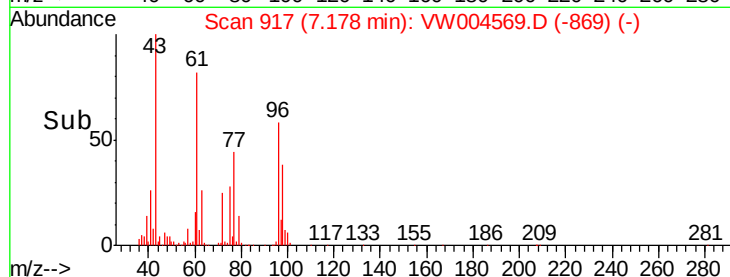
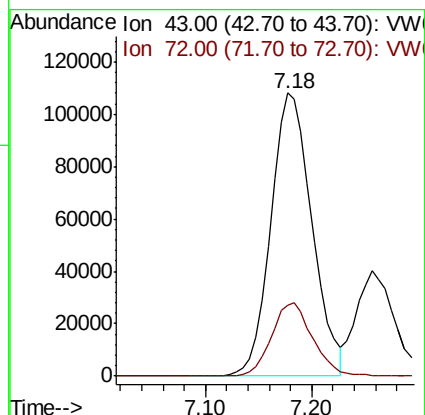
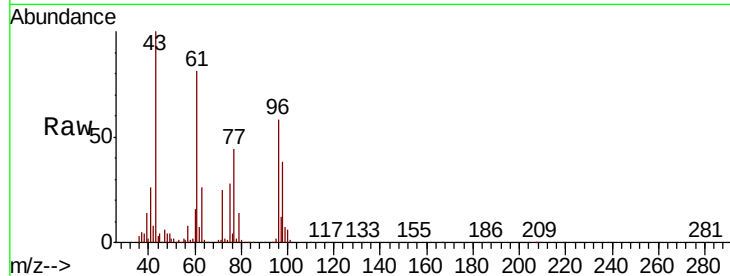
VW0812SBSD01

Tgt Ion: 43 Resp: 288057

Ion Ratio Lower Upper

43 100

72 25.0 21.0 31.6



#26

2,2-Dichloropropane

Concen: 20.948 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW004569.D

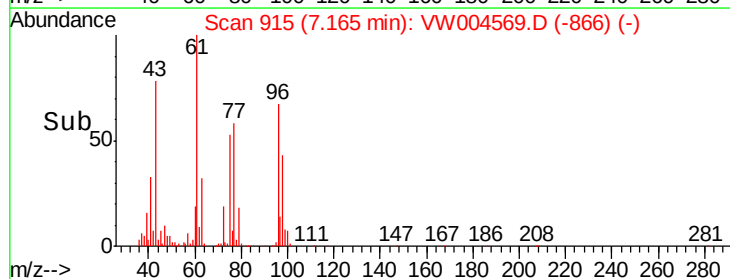
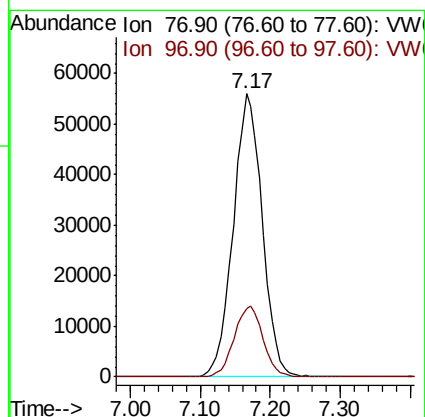
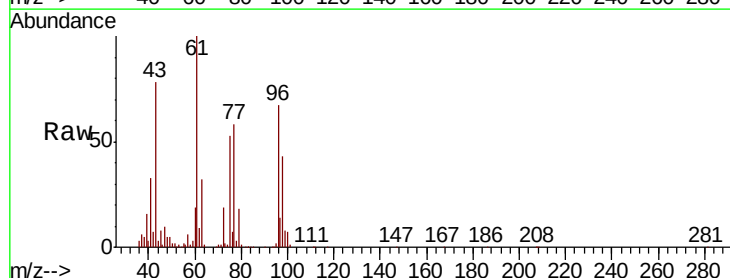
Acq: 09 Aug 2018 23:52

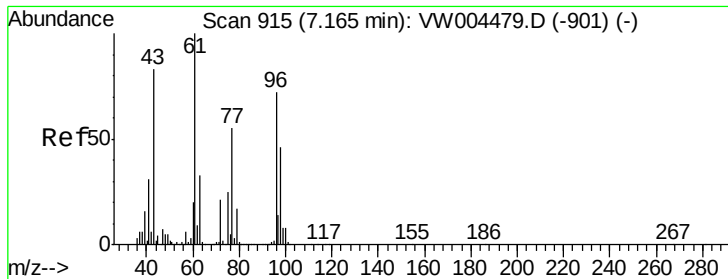
Tgt Ion: 77 Resp: 160963

Ion Ratio Lower Upper

77 100

97 24.8 12.5 37.5



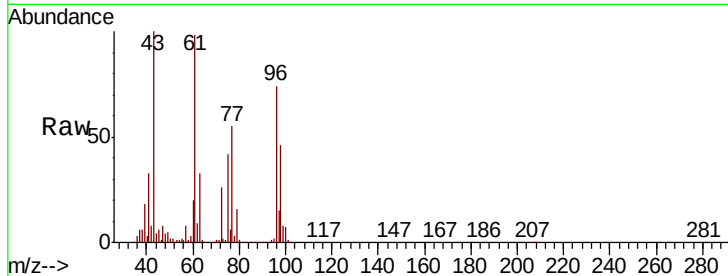


#27

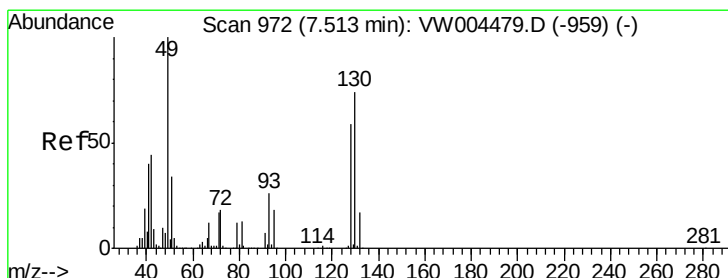
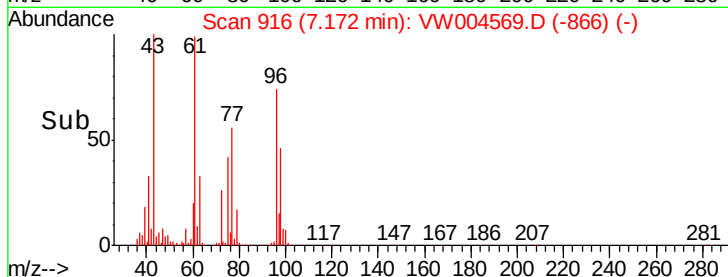
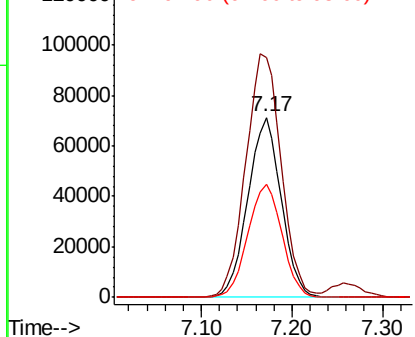
cis-1,2-Dichloroethene
 Concen: 21.088 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

Tgt Ion: 96 Resp: 181132
 Ion Ratio Lower Upper
 96 100
 61 143.5 0.0 285.0
 98 64.3 0.0 128.6



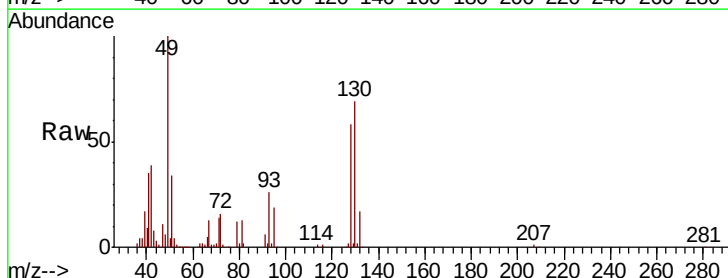
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



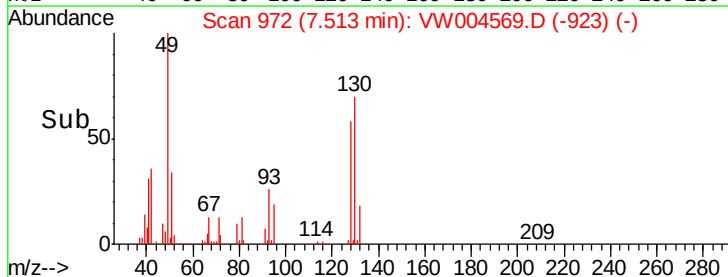
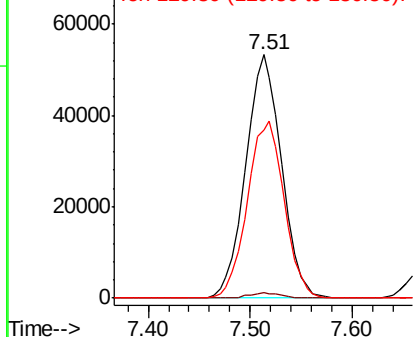
#28

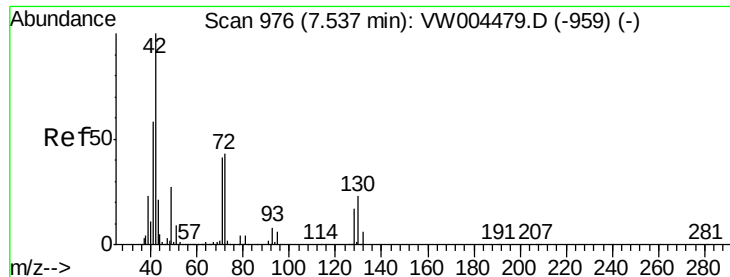
Bromochloromethane
 Concen: 20.380 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

Tgt Ion: 49 Resp: 129819
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.0
 130 75.0 58.8 88.2



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





#29

Tetrahydrofuran

Concen: 96.353 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.00 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

Instrument :

MSVOA_W

ClientSampled :

VW0812SBSD01

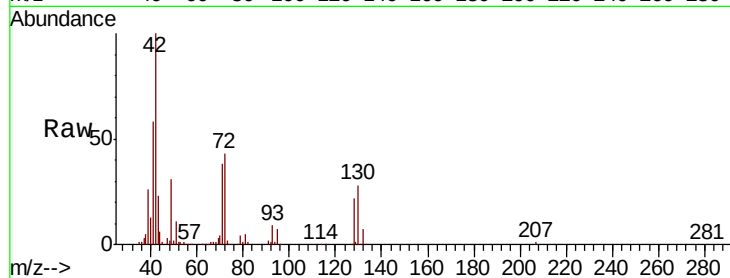
Tgt Ion: 42 Resp: 149636

Ion Ratio Lower Upper

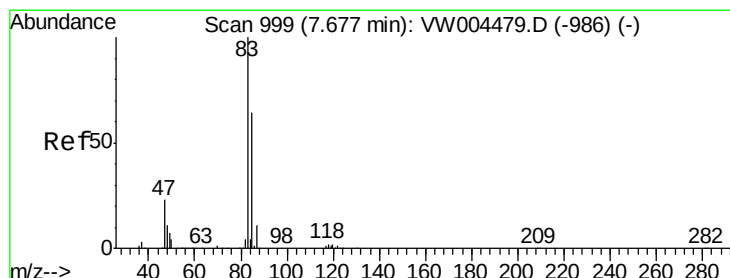
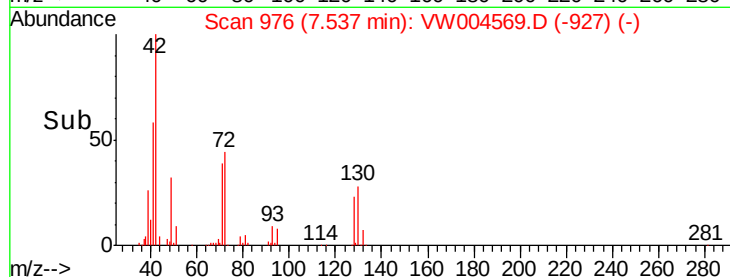
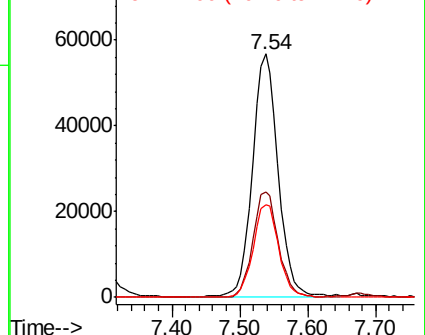
42 100

72 42.9 34.1 51.1

71 38.4 32.5 48.7



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



#30

Chloroform

Concen: 21.095 ug/l

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004569.D

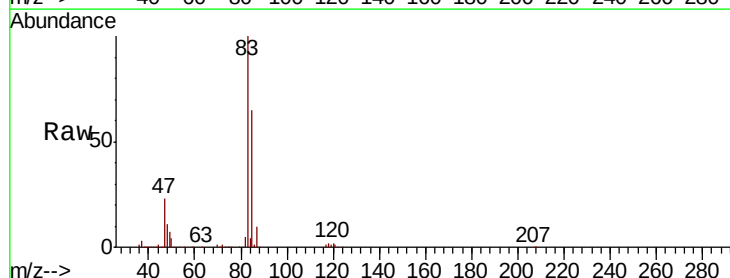
Acq: 09 Aug 2018 23:52

Tgt Ion: 83 Resp: 303349

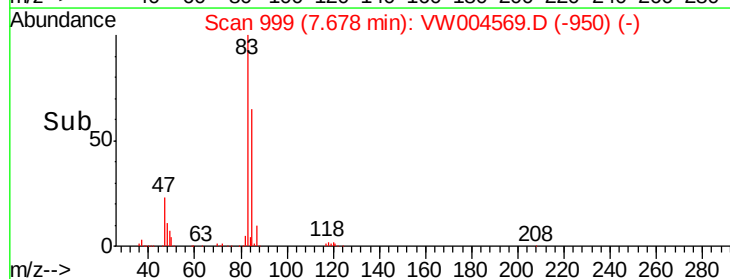
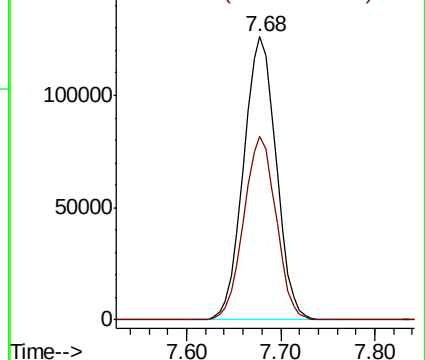
Ion Ratio Lower Upper

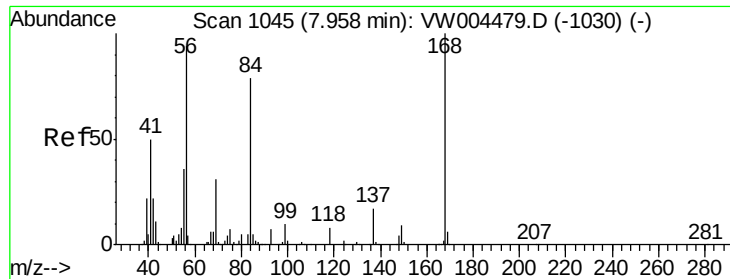
83 100

85 64.9 51.3 76.9



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

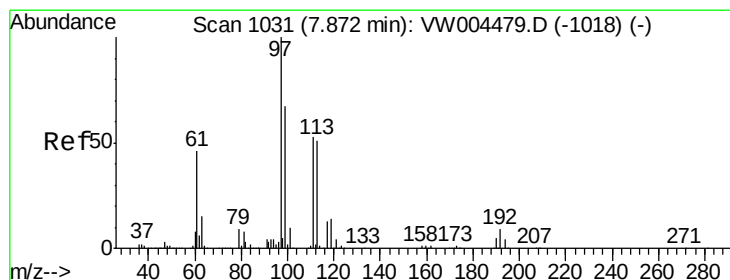
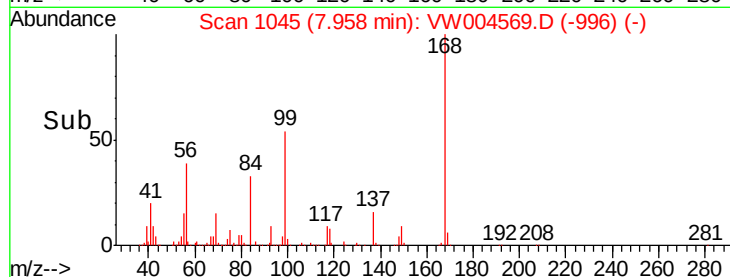
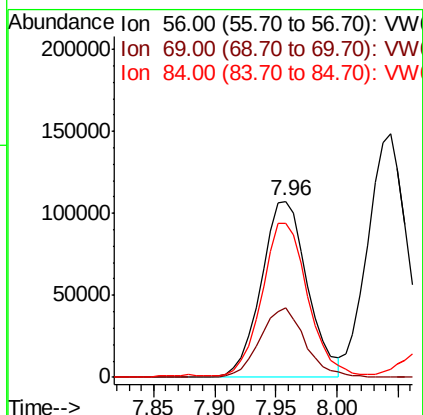
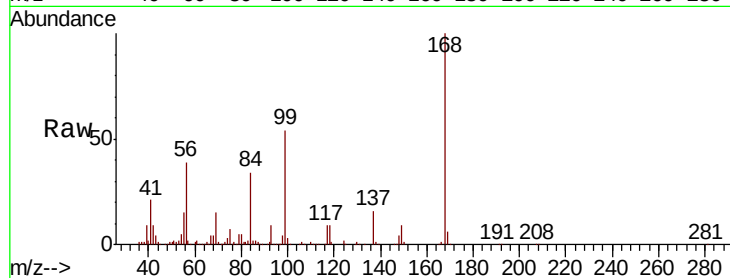




#31
Cyclohexane
Concen: 20.177 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

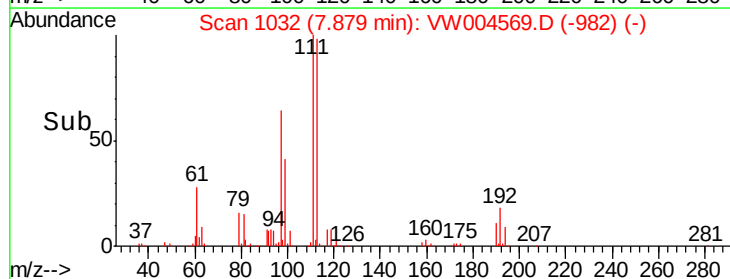
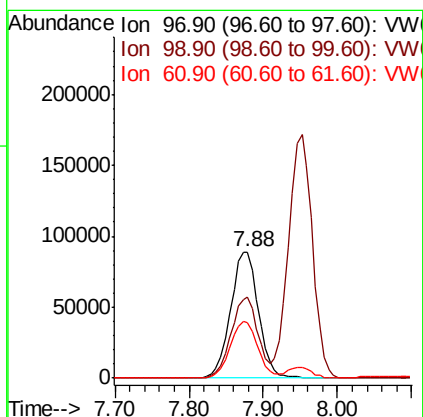
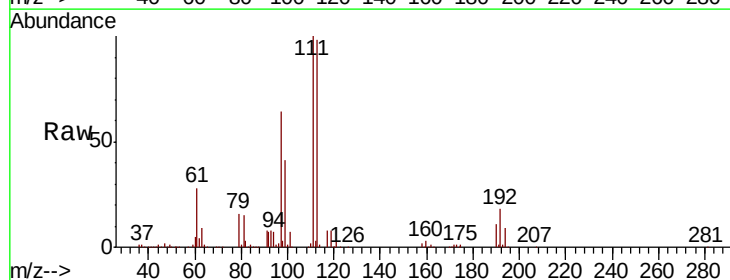
Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

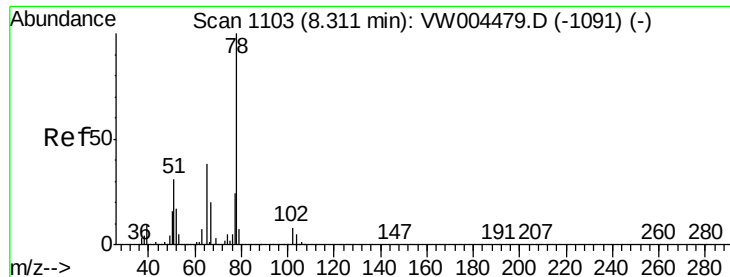
Tgt Ion: 56 Resp: 282644
Ion Ratio Lower Upper
56 100
69 39.2 26.4 39.6
84 86.1 66.9 100.3



#32
1,1,1-Trichloroethane
Concen: 21.561 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

Tgt Ion: 97 Resp: 232893
Ion Ratio Lower Upper
97 100
99 61.8 51.6 77.4
61 44.2 35.7 53.5

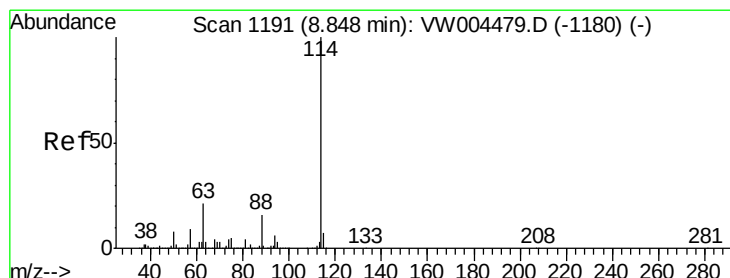
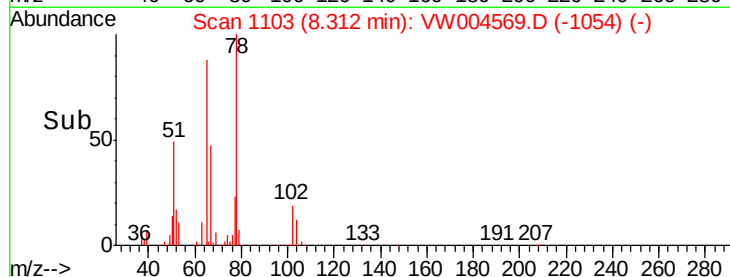
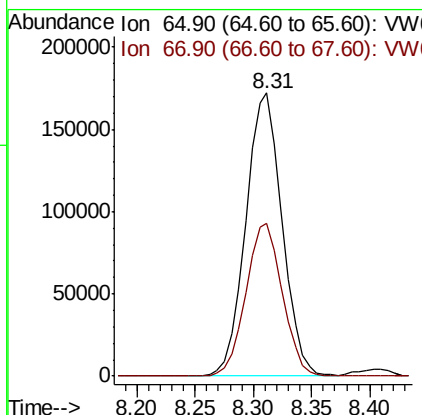
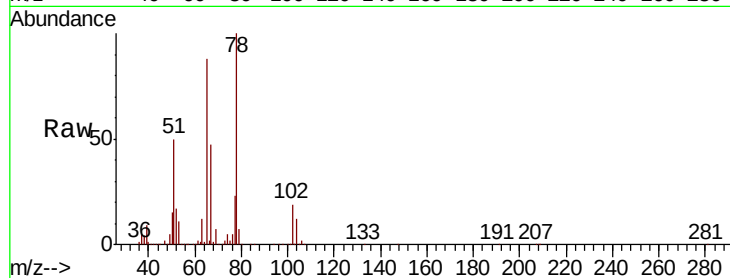




#33
 1,2-Dichloroethane-d4
 Concen: 49.888 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

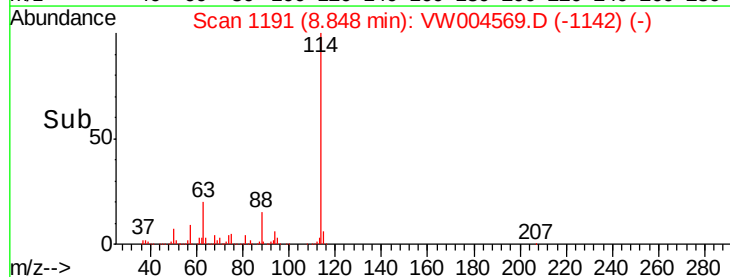
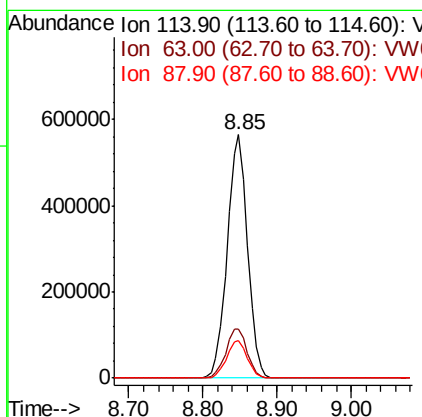
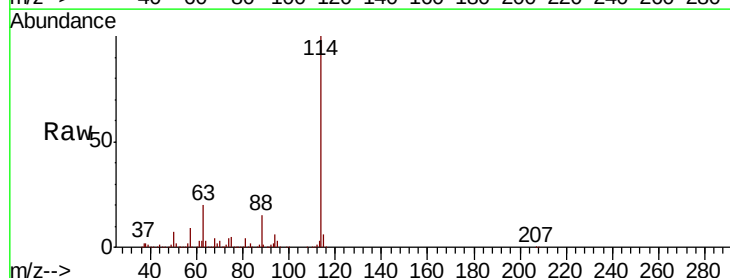
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

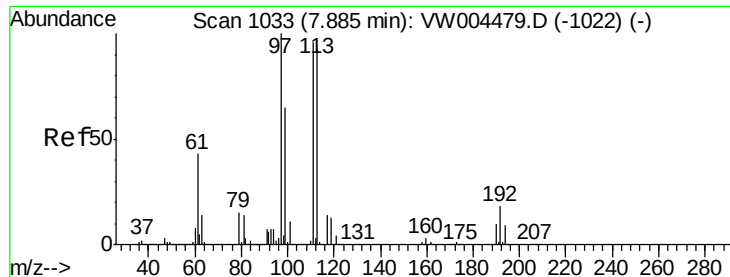
Tgt Ion: 65 Resp: 373061
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

Tgt Ion: 114 Resp: 1073229
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 42.4
 88 15.3 0.0 31.2

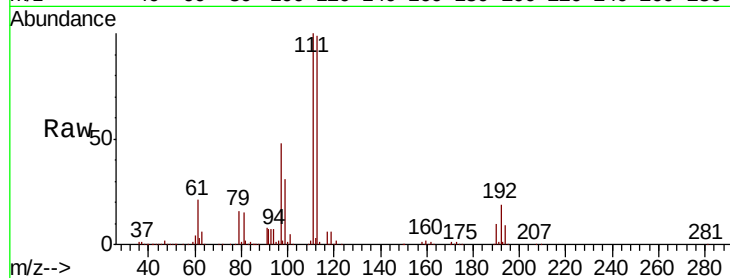




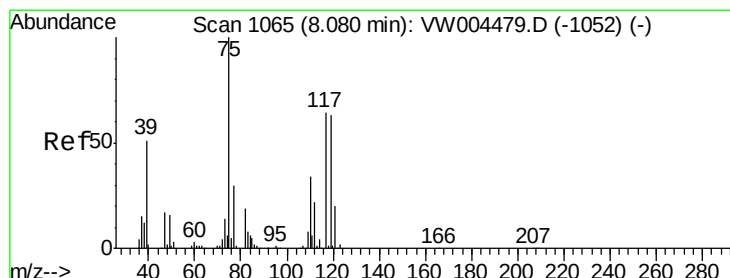
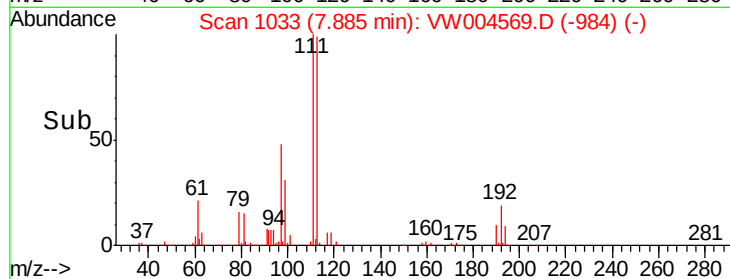
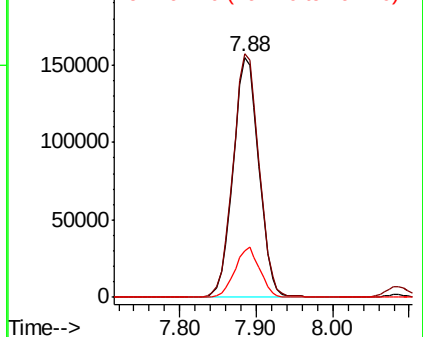
#35
 Dibromofluoromethane
 Concen: 50.336 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	20.2	15.8	23.6

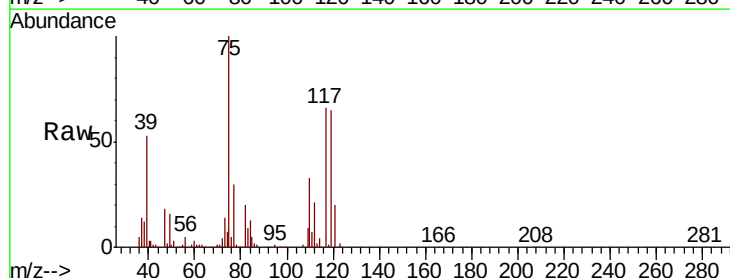


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

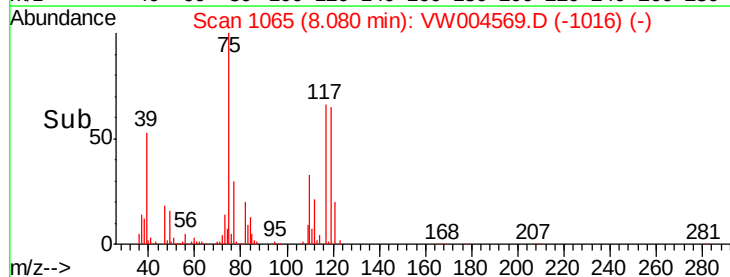
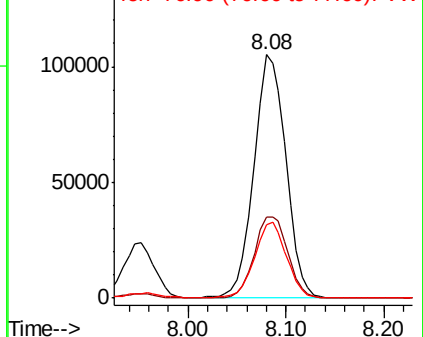


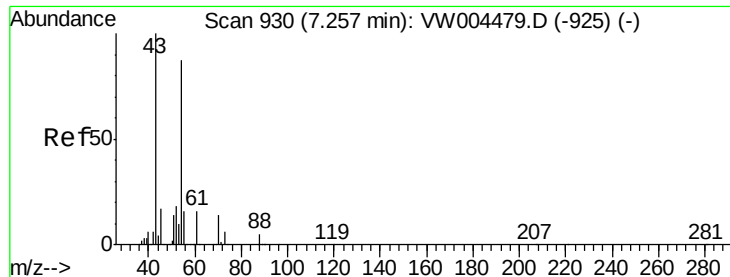
#36
 1,1-Dichloropropene
 Concen: 20.657 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.4	52.2
77	30.9	24.7	37.1



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

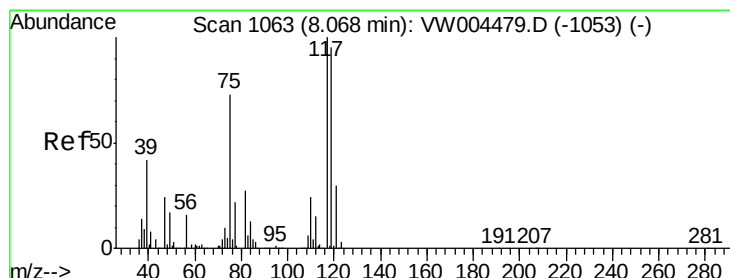
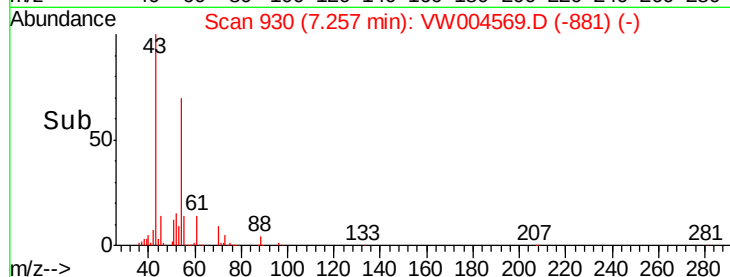
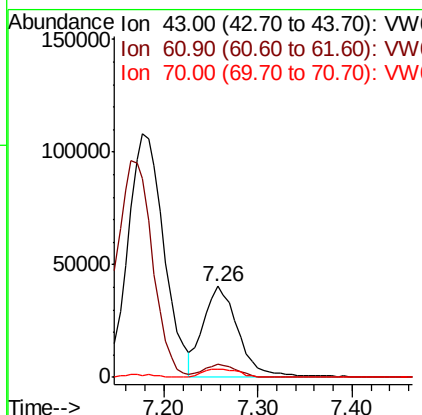
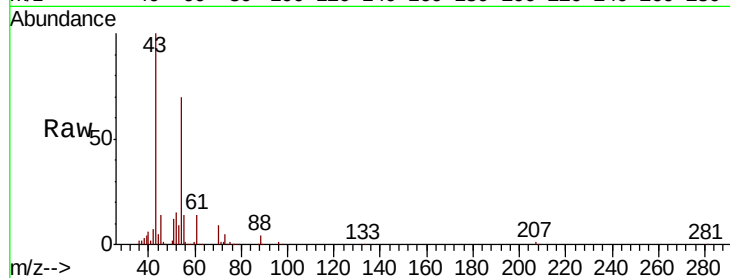




#37
 Ethyl Acetate
 Concen: 18.972 ug/l
 RT: 7.26 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

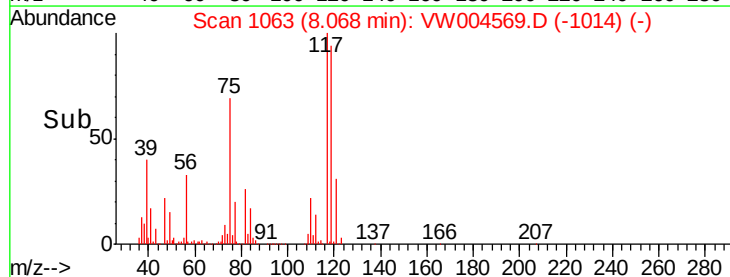
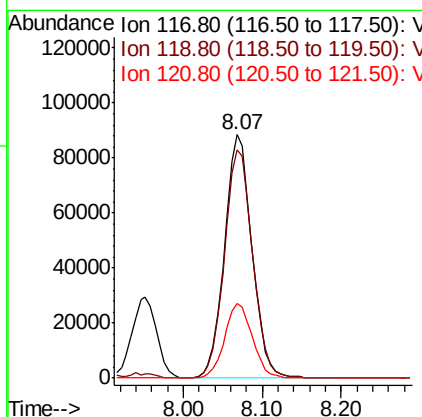
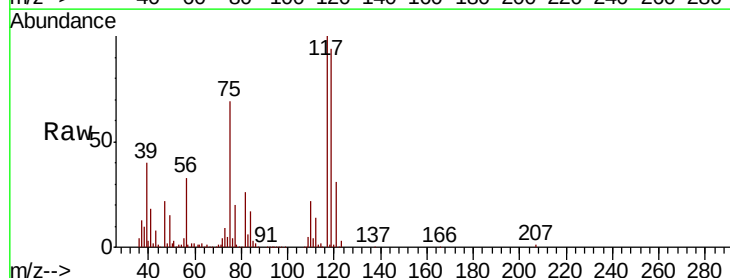
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

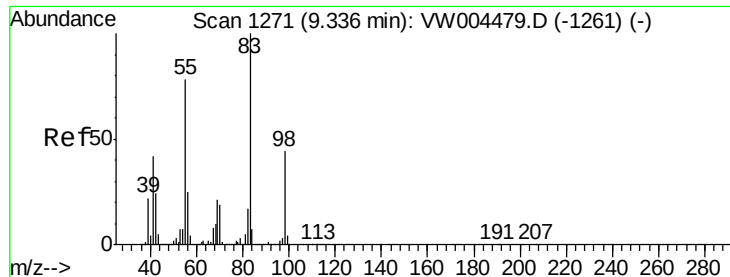
Tgt Ion: 43 Resp: 102675
 Ion Ratio Lower Upper
 43 100
 61 13.8 11.9 17.9
 70 10.4 8.2 12.4



#38
 Carbon Tetrachloride
 Concen: 20.581 ug/l
 RT: 8.07 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

Tgt Ion: 117 Resp: 214008
 Ion Ratio Lower Upper
 117 100
 119 93.6 76.1 114.1
 121 30.7 24.2 36.4

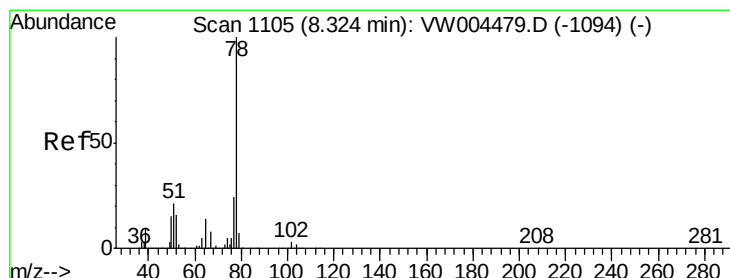
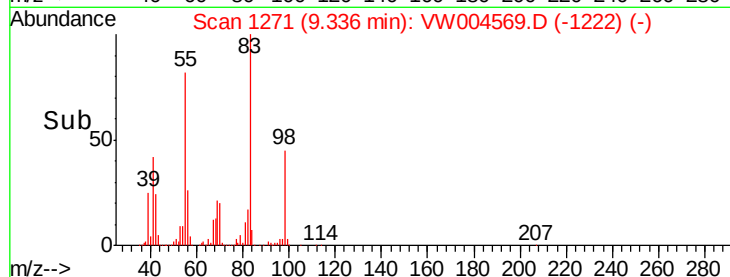
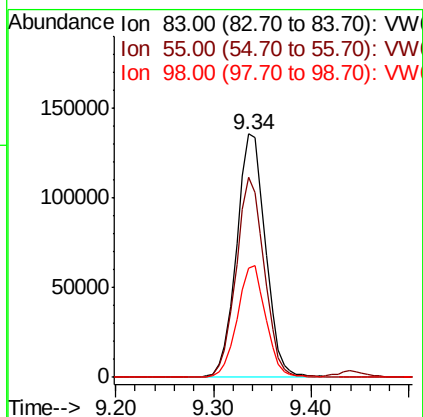
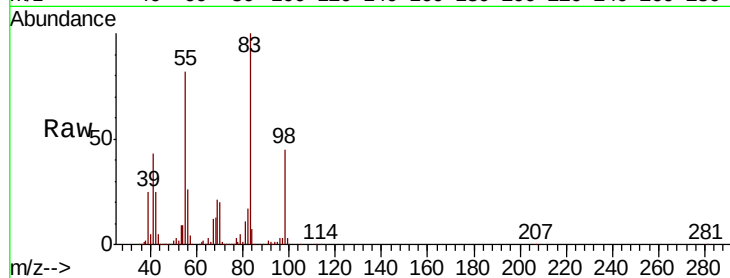




#39
Methylcyclohexane
Concen: 19.747 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

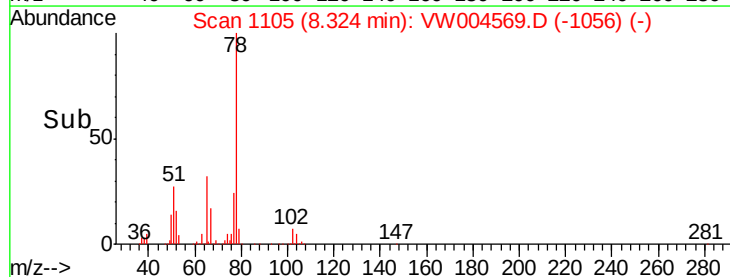
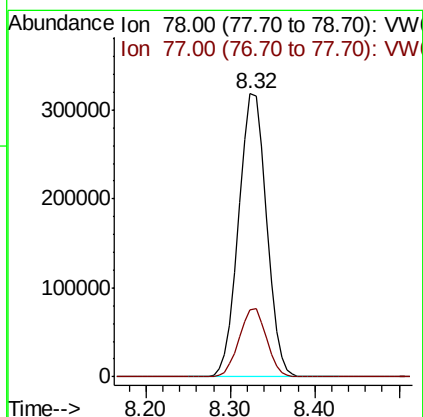
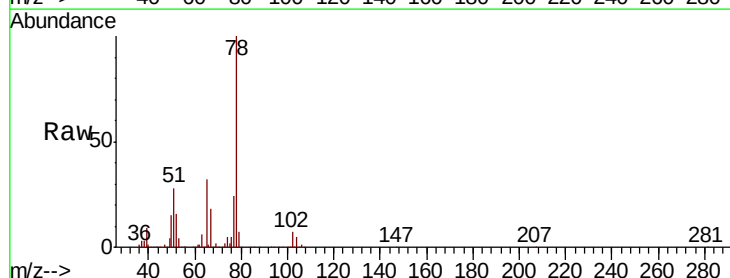
Instrument :
MSVOA_W
ClientSampled :
VW0812SBSD01

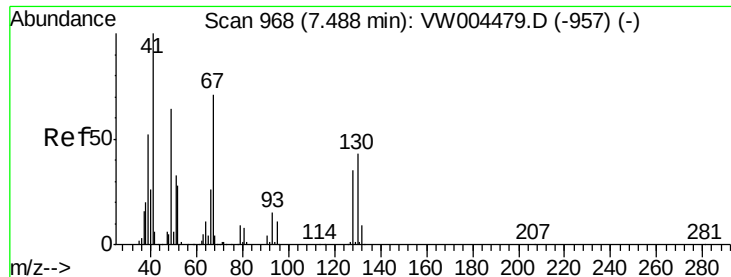
Tgt Ion: 83 Resp: 279692
Ion Ratio Lower Upper
83 100
55 82.0 62.5 93.7
98 44.9 35.4 53.2



#40
Benzene
Concen: 20.892 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

Tgt Ion: 78 Resp: 708934
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6

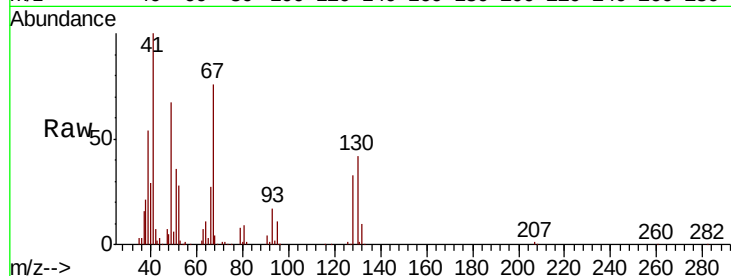




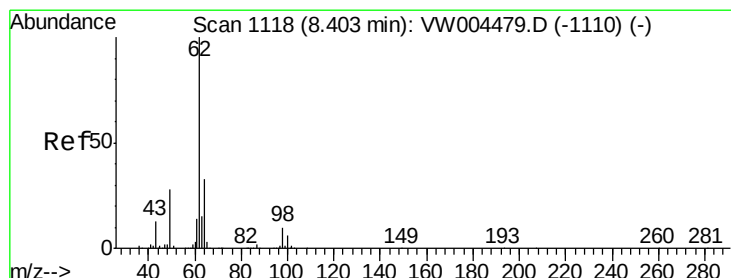
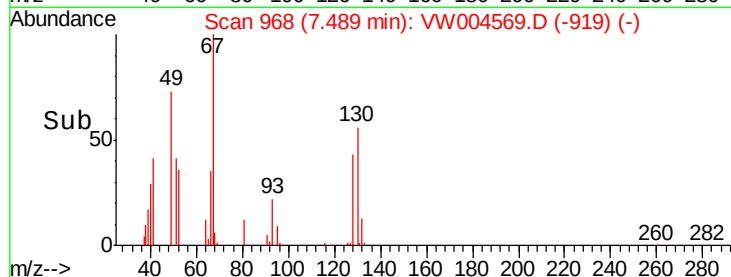
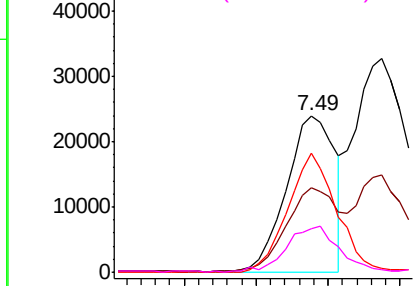
#41
Methacrylonitrile
Concen: 18.615 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tgt Ion:	41	Resp:	56270
Ion	Ratio	Lower	Upper
41	100		
39	59.0	46.2	69.2
67	76.5	60.8	91.2
52	31.9	23.8	35.6

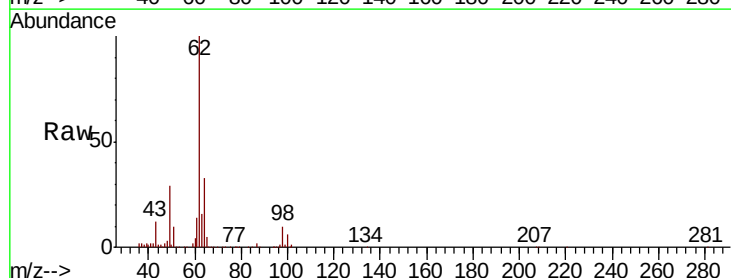


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

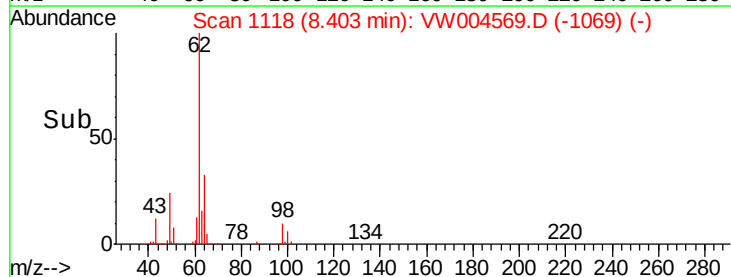
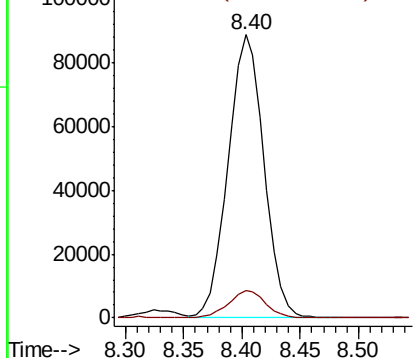


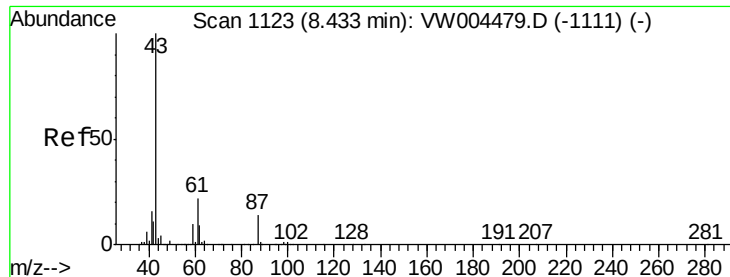
#42
1,2-Dichloroethane
Concen: 20.210 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

Tgt Ion:	62	Resp:	189746
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.6



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





#43

Isopropyl Acetate

Concen: 18.854 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

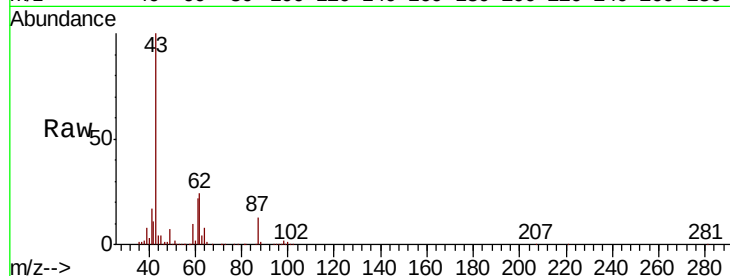
Tgt Ion: 43 Resp: 177866

Ion Ratio Lower Upper

43 100

61 31.8 25.2 37.8

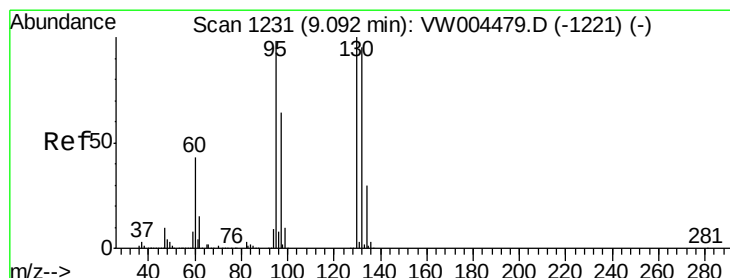
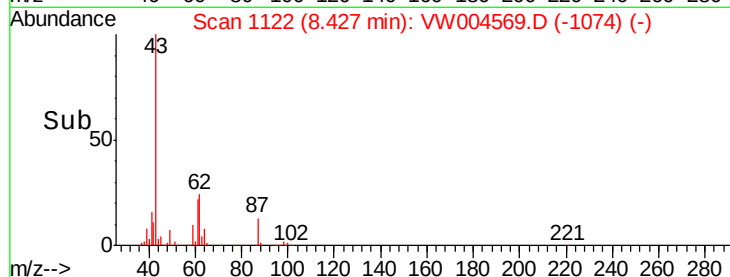
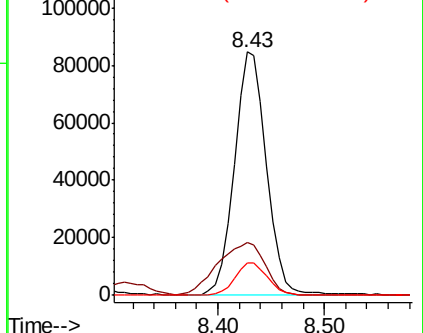
87 13.5 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.456 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004569.D

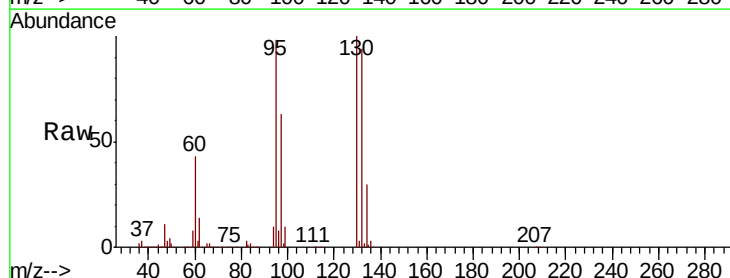
Acq: 09 Aug 2018 23:52

Tgt Ion: 130 Resp: 170575

Ion Ratio Lower Upper

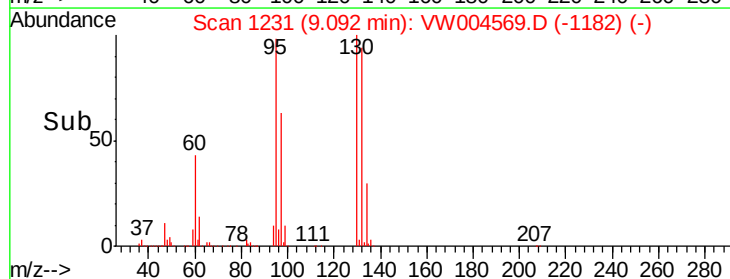
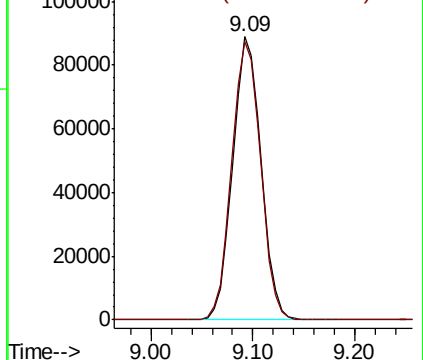
130 100

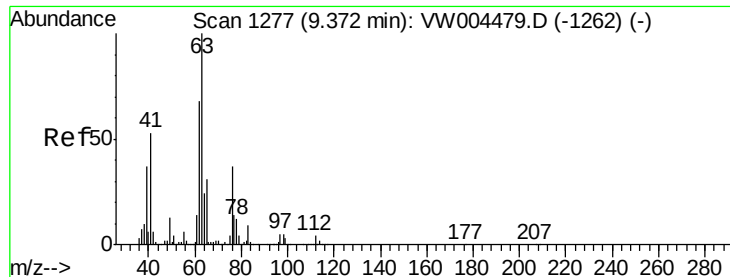
95 98.1 0.0 196.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 20.677 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

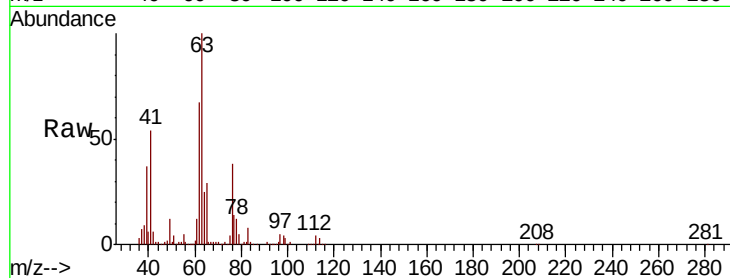
VW0812SBSD01

Tgt Ion: 63 Resp: 175719

Ion Ratio Lower Upper

63 100

65 29.0 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

100000

80000

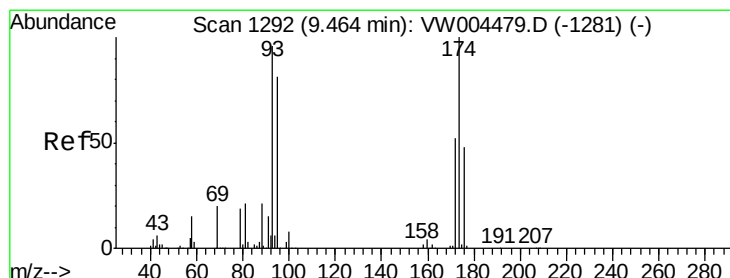
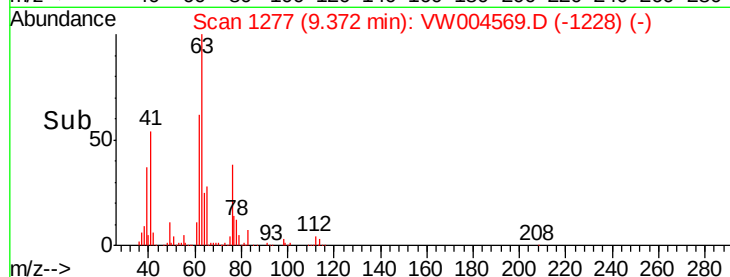
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 20.092 ug/l

RT: 9.46 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

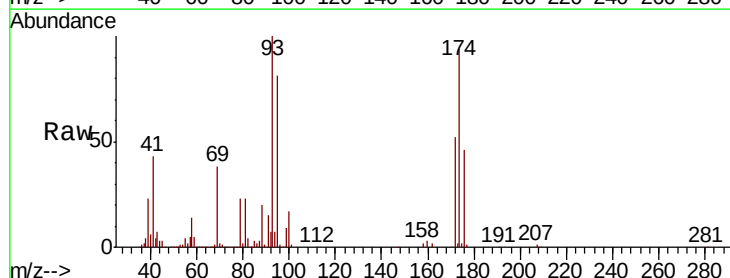
Tgt Ion: 93 Resp: 86923

Ion Ratio Lower Upper

93 100

95 82.9 67.0 100.4

174 100.8 80.2 120.4



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

9.46

60000

50000

40000

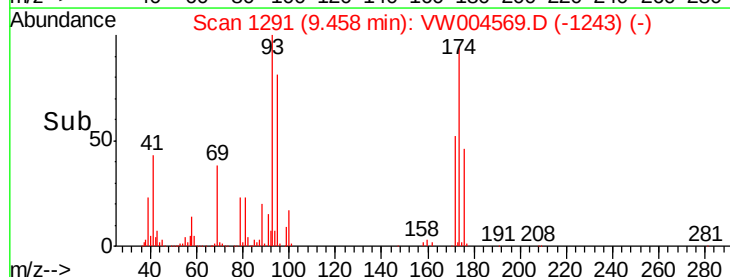
30000

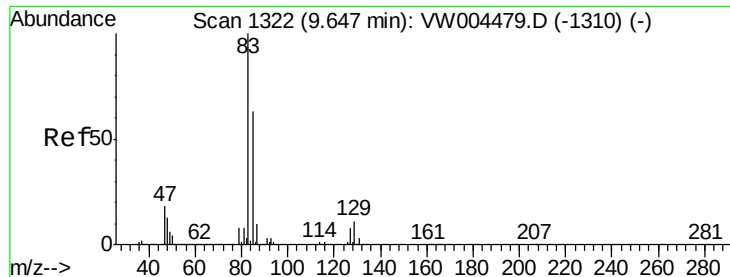
20000

10000

0

Time-->





#47

Bromodichloromethane

Concen: 20.152 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

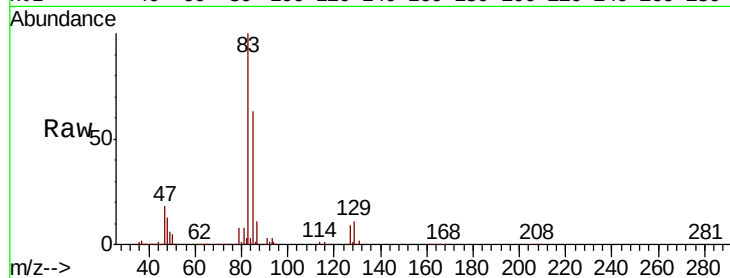
Tgt Ion: 83 Resp: 205783

Ion Ratio Lower Upper

83 100

85 63.3 50.7 76.1

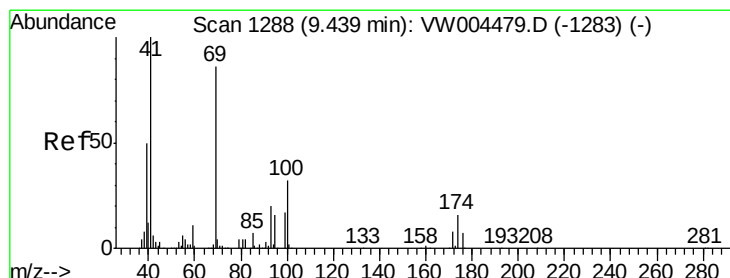
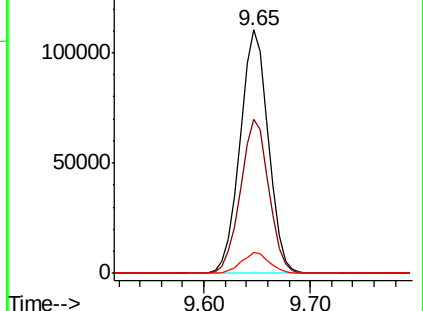
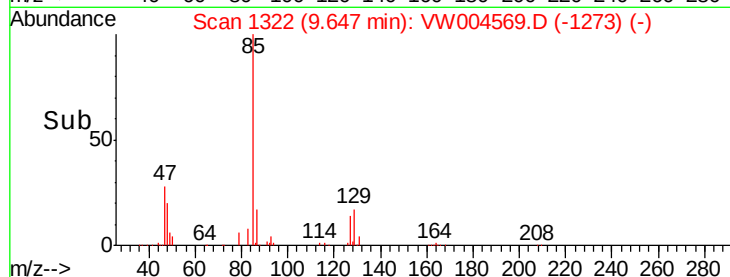
127 8.6 6.5 9.7



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: 19.284 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

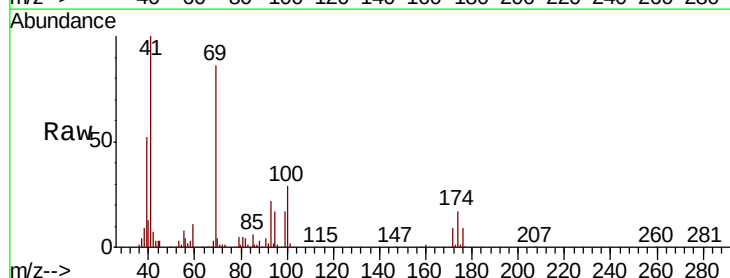
Tgt Ion: 41 Resp: 85027

Ion Ratio Lower Upper

41 100

69 91.5 73.2 109.8

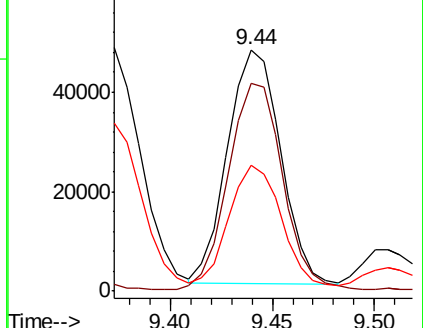
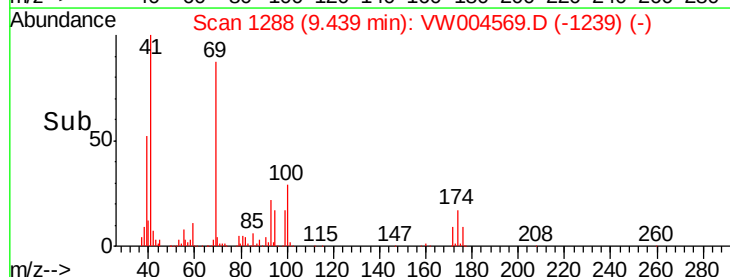
39 50.5 40.6 60.8

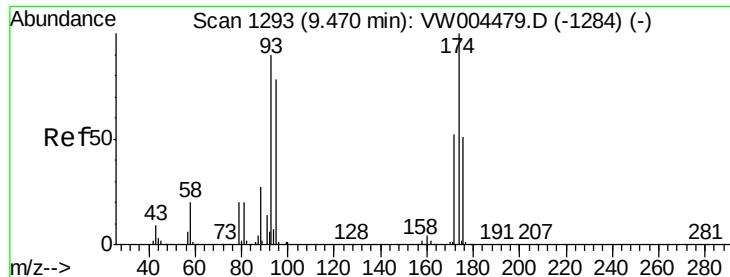


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

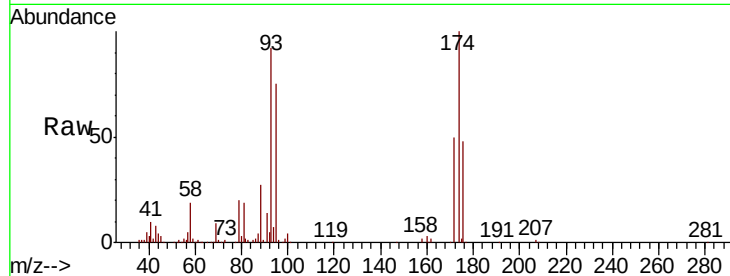




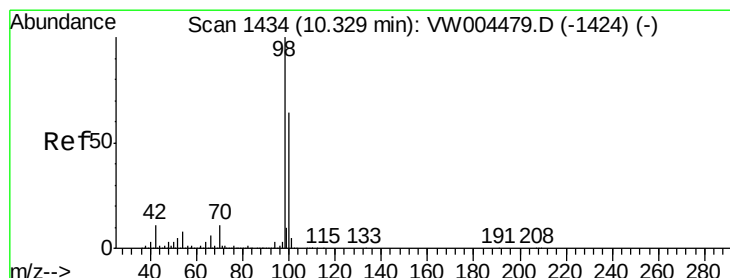
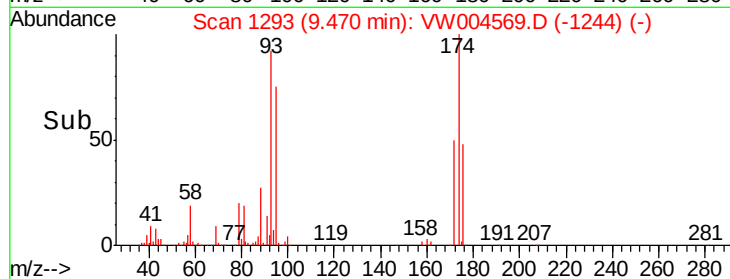
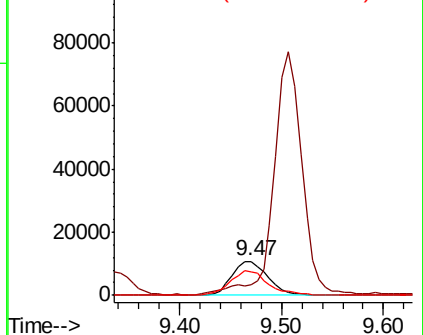
#49
1,4-Dioxane
Concen: 403.127 ug/l
RT: 9.47 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tgt Ion: 88 Resp: 26607
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 77.3 63.5 95.3

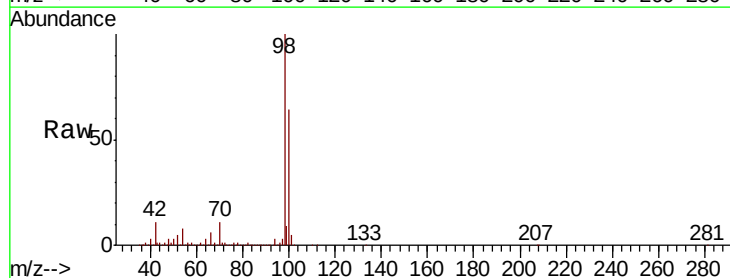


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

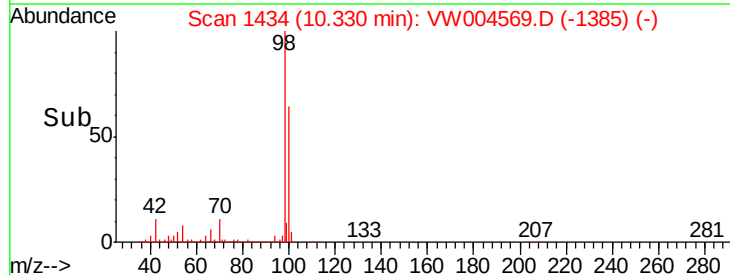
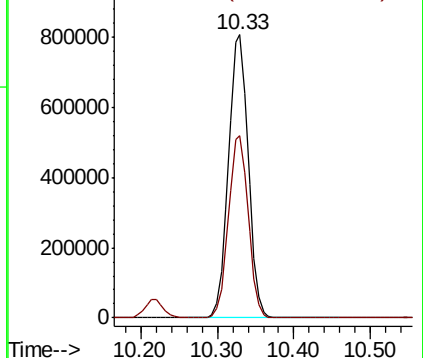


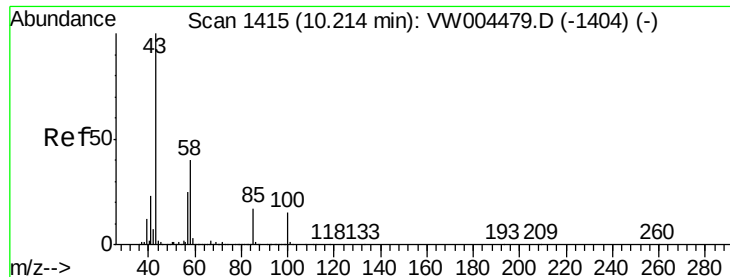
#50
Toluene-d8
Concen: 52.646 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

Tgt Ion: 98 Resp: 1436242
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.2



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: 96.267 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

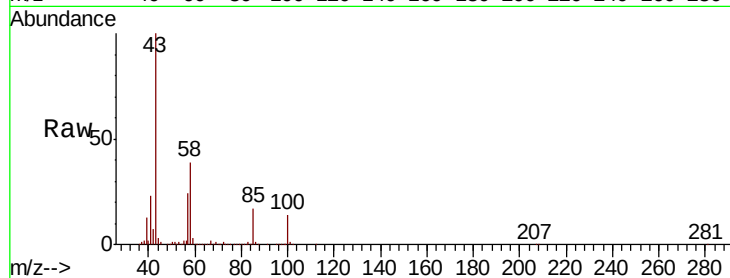
VW0812SBSD01

Tgt Ion: 43 Resp: 632150

Ion Ratio Lower Upper

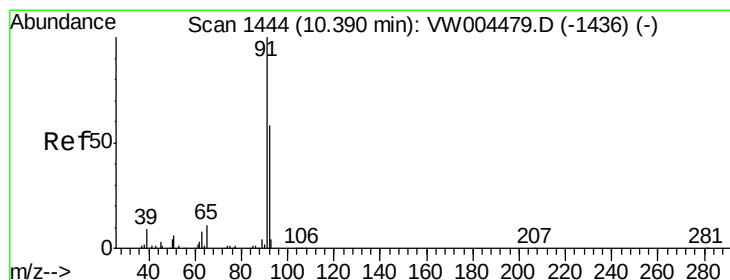
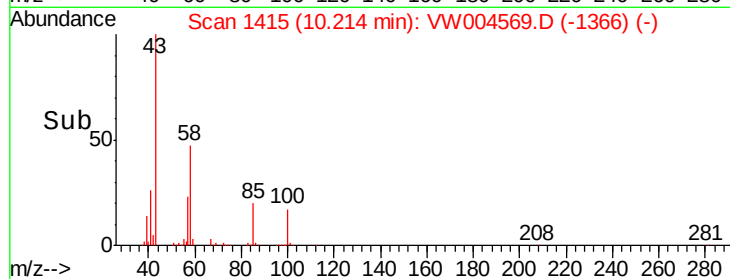
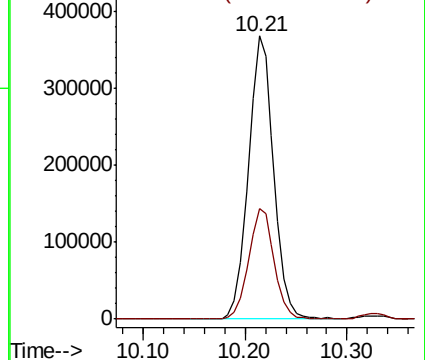
43 100

58 39.5 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 21.373 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004569.D

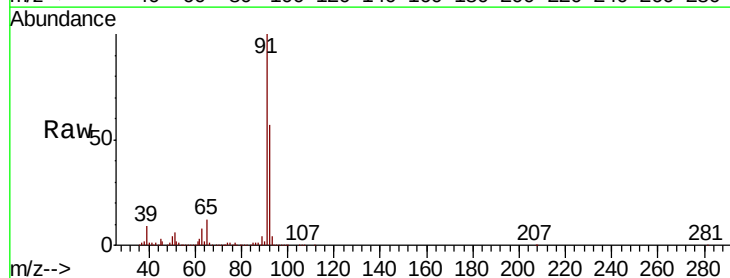
Acq: 09 Aug 2018 23:52

Tgt Ion: 92 Resp: 427689

Ion Ratio Lower Upper

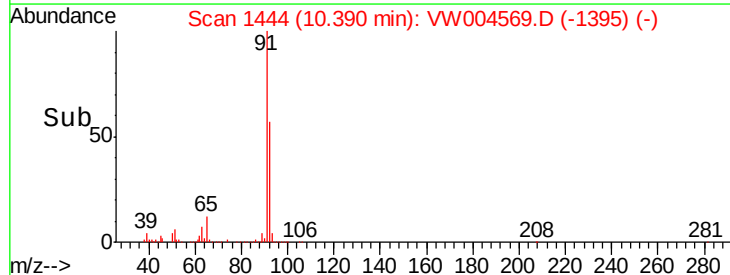
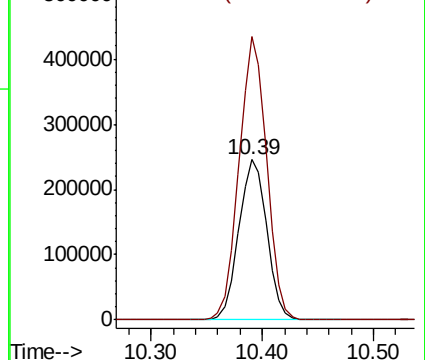
92 100

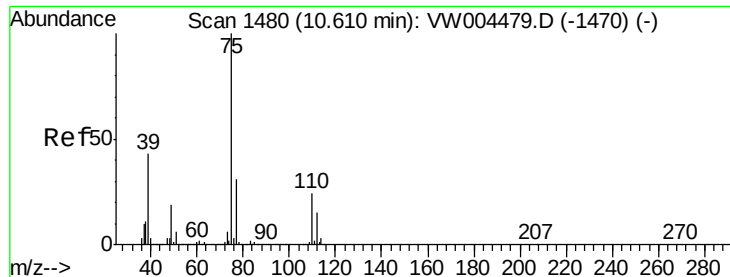
91 173.6 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 19.683 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

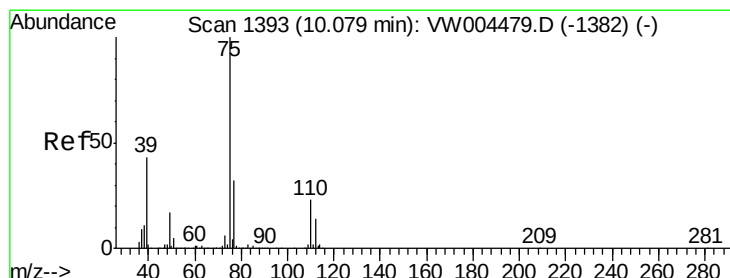
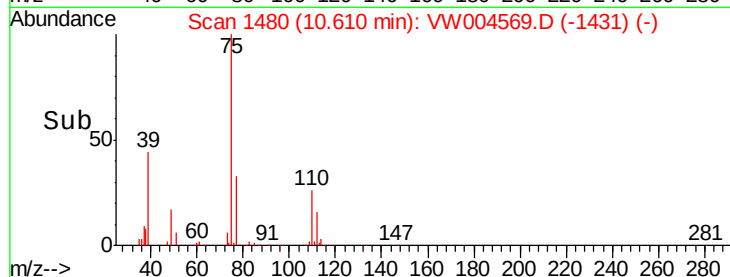
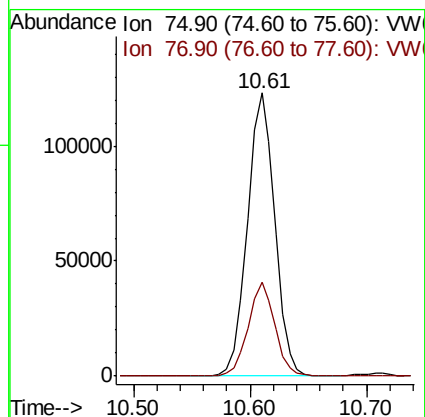
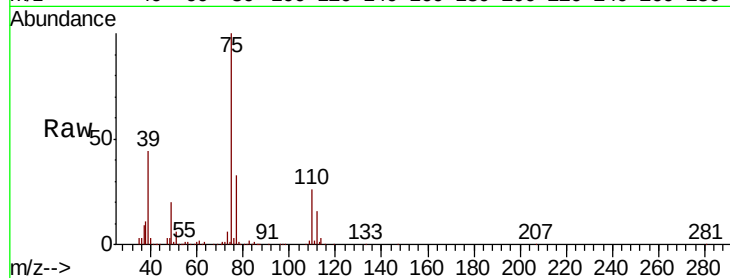
VW0812SBSD01

Tgt Ion: 75 Resp: 201827

Ion Ratio Lower Upper

75 100

77 33.1 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 20.160 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

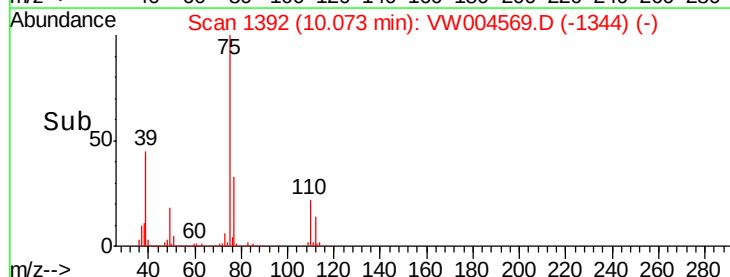
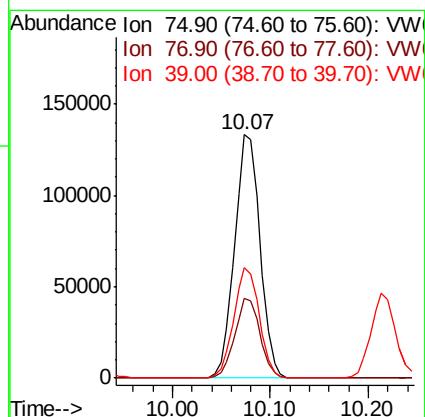
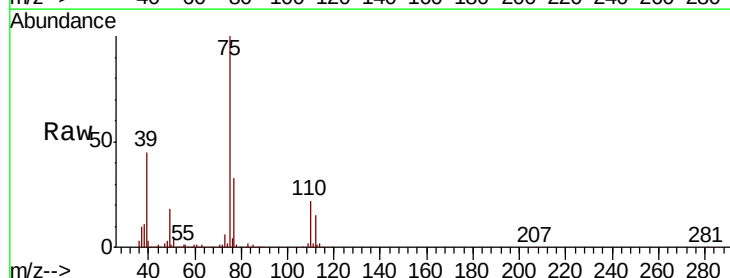
Tgt Ion: 75 Resp: 240900

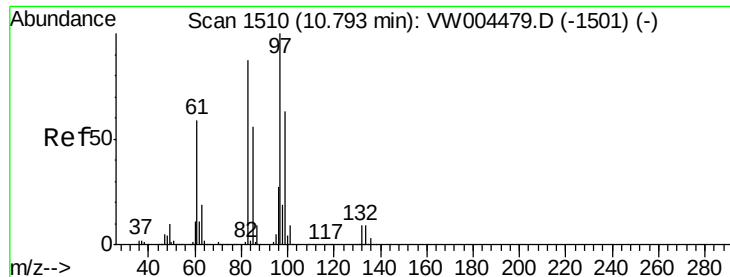
Ion Ratio Lower Upper

75 100

77 32.5 25.3 37.9

39 45.2 34.5 51.7

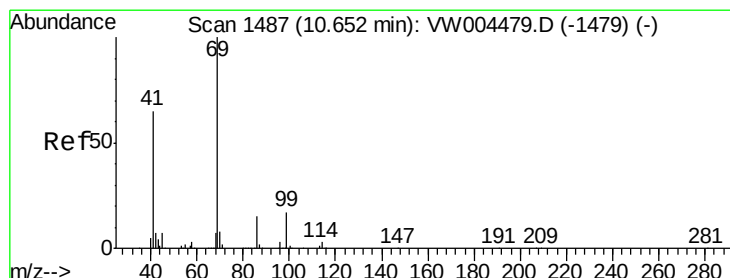
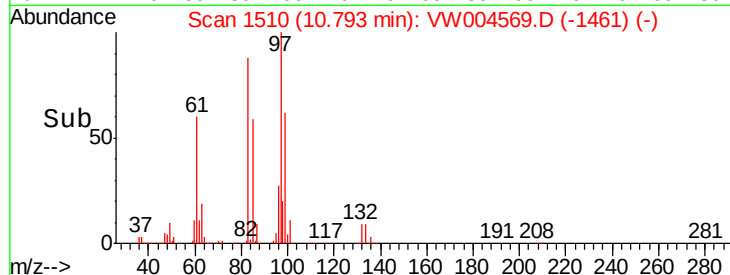
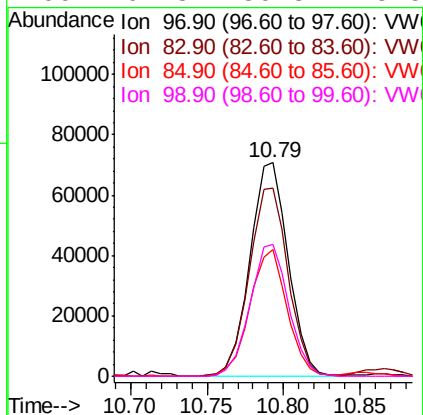
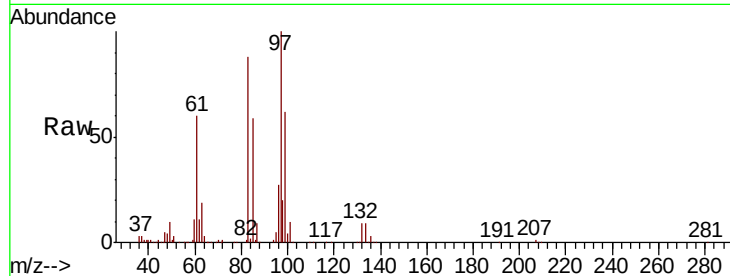




#55
 1,1,2-Trichloroethane
 Concen: 19.901 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

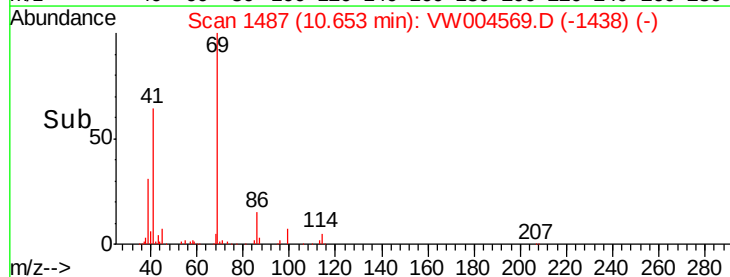
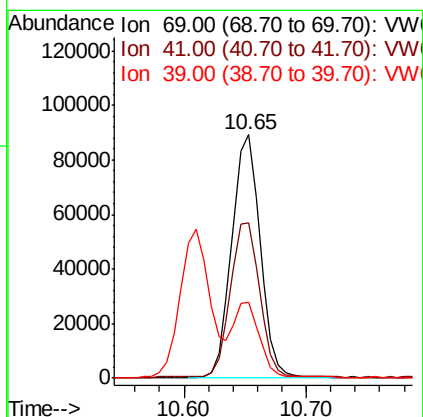
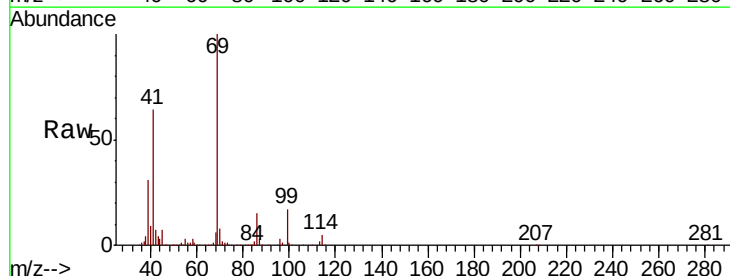
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

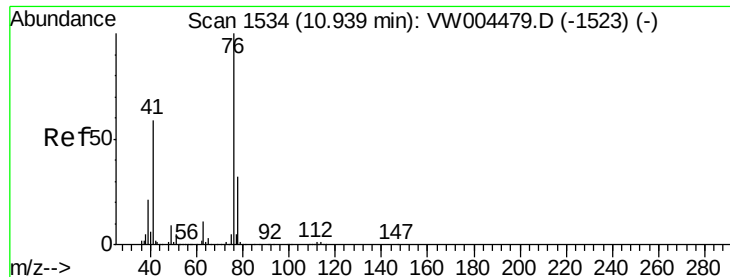
Tgt Ion:	97	Resp:	123400
Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.8	104.8
85	59.2	45.1	67.7
99	61.8	50.3	75.5



#56
 Ethyl methacrylate
 Concen: 19.428 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

Tgt Ion:	69	Resp:	144228
Ion	Ratio	Lower	Upper
69	100		
41	65.3	52.4	78.6
39	27.8	22.7	34.1





#57

1,3-Dichloropropane

Concen: 20.295 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

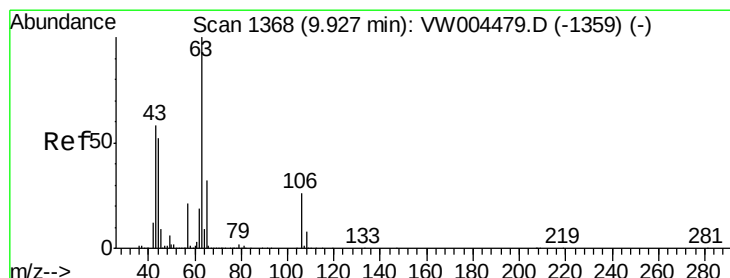
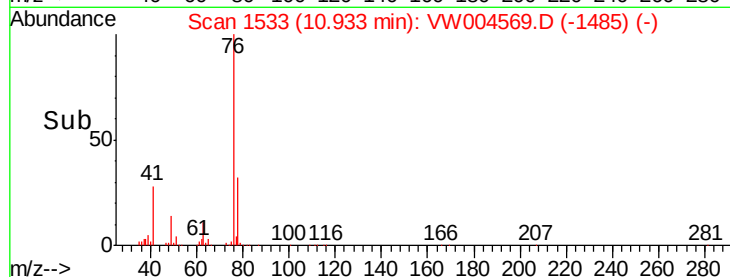
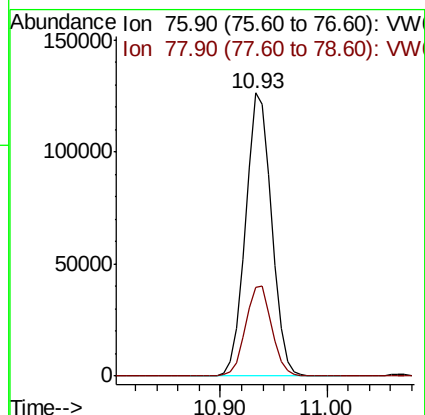
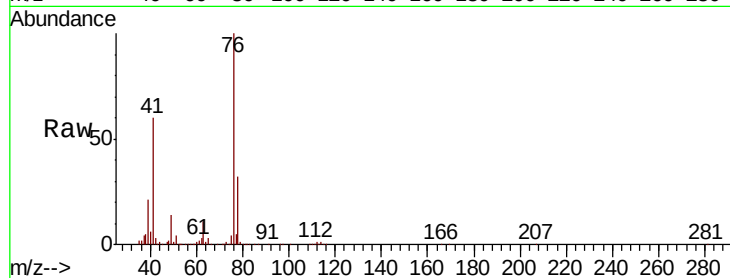
VW0812SBSD01

Tgt Ion: 76 Resp: 216900

Ion Ratio Lower Upper

76 100

78 32.4 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 94.987 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW004569.D

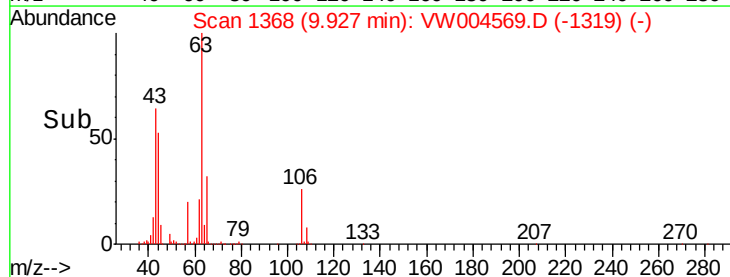
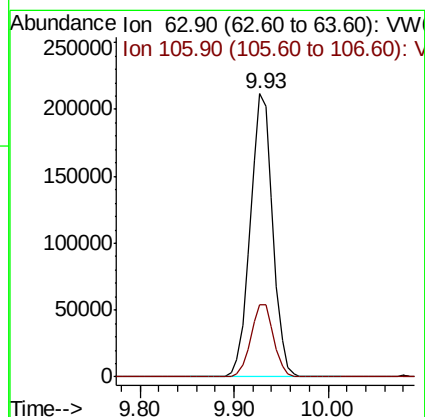
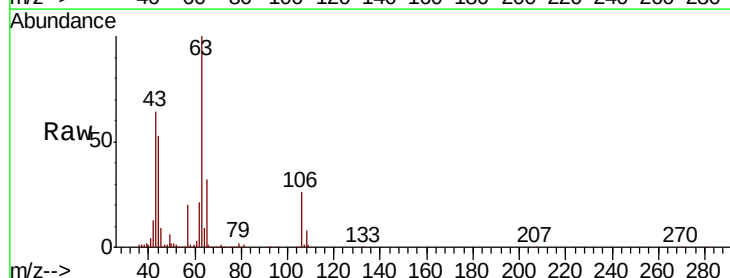
Acq: 09 Aug 2018 23:52

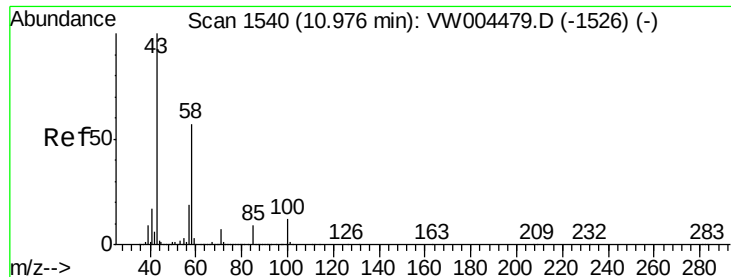
Tgt Ion: 63 Resp: 351810

Ion Ratio Lower Upper

63 100

106 26.3 21.3 31.9

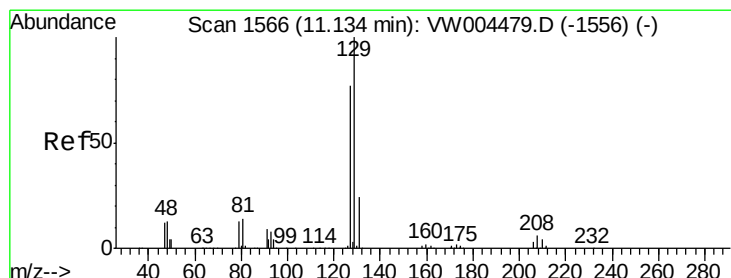
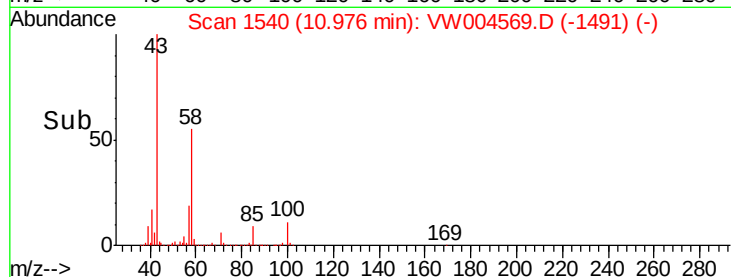
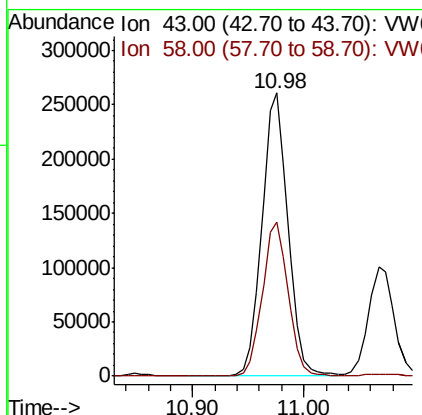
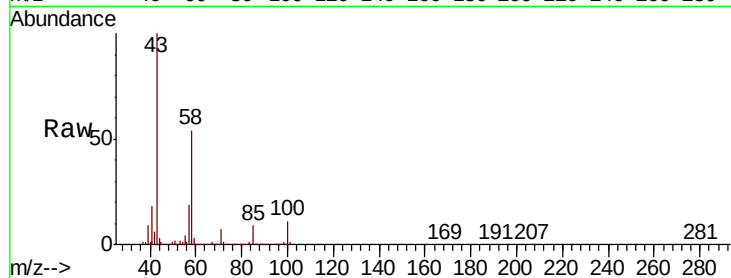




#59
2-Hexanone
Concen: 95.574 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

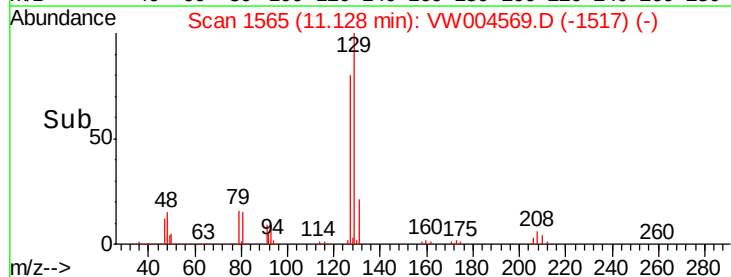
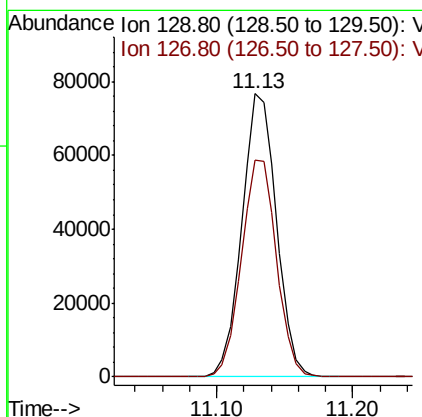
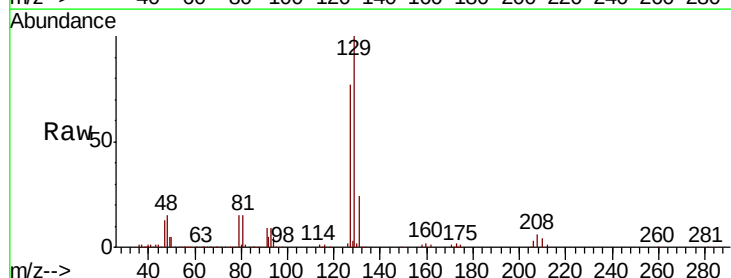
Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

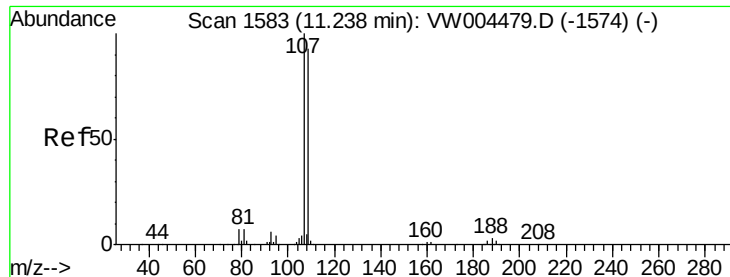
Tgt Ion: 43 Resp: 425513
Ion Ratio Lower Upper
43 100
58 54.2 27.9 83.6



#60
Dibromochloromethane
Concen: 20.177 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

Tgt Ion: 129 Resp: 136076
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8

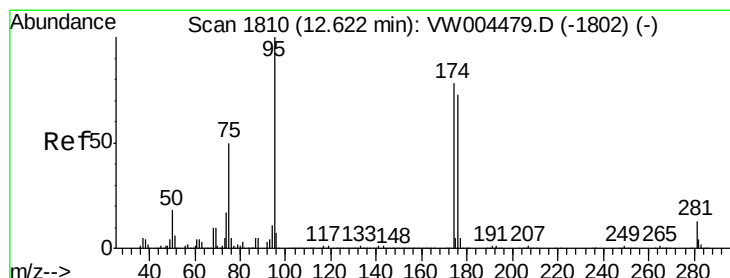
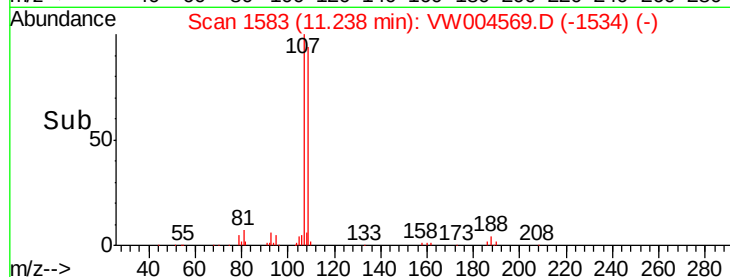
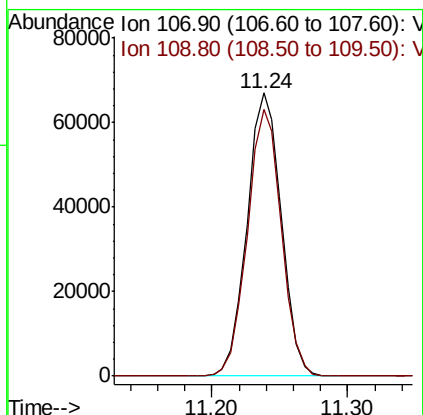
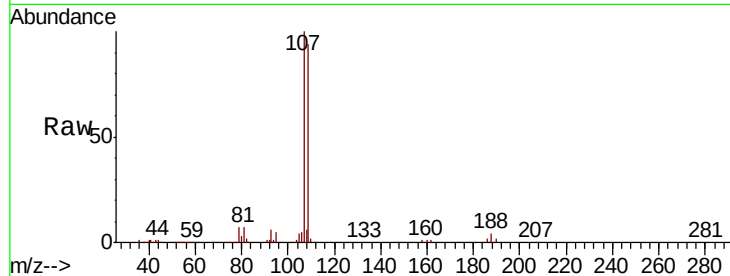




#61
 1,2-Dibromoethane
 Concen: 20.249 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

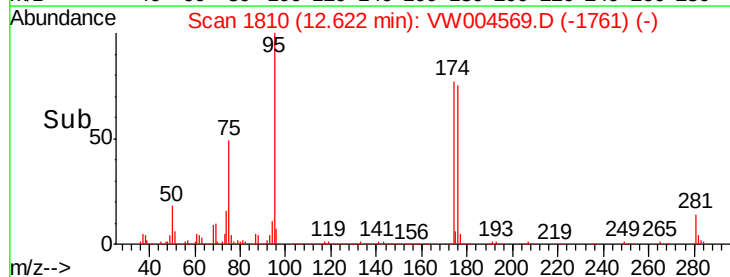
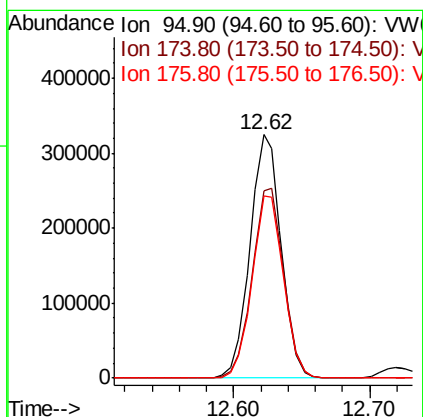
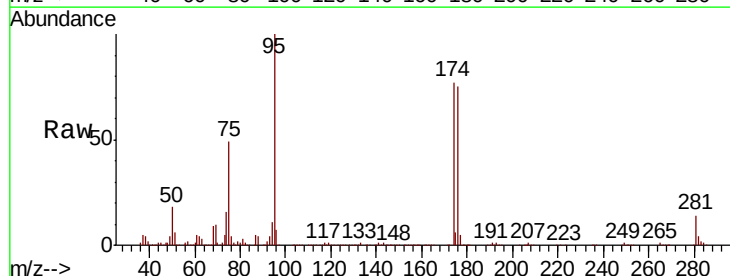
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

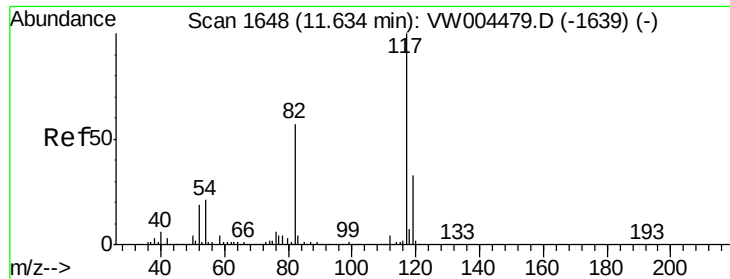
Tgt Ion: 107 Resp: 117962
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 52.839 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

Tgt Ion: 95 Resp: 519252
 Ion Ratio Lower Upper
 95 100
 174 79.2 0.0 160.4
 176 75.9 0.0 153.2

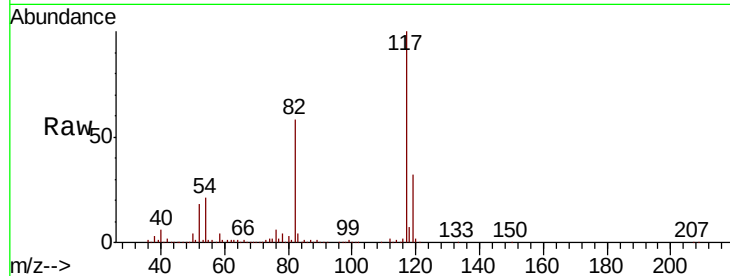




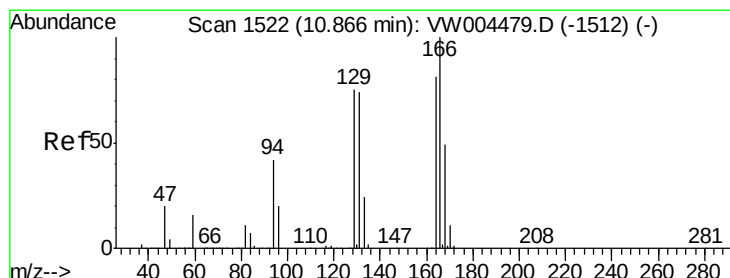
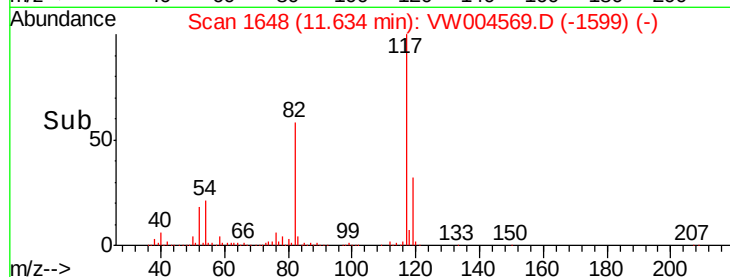
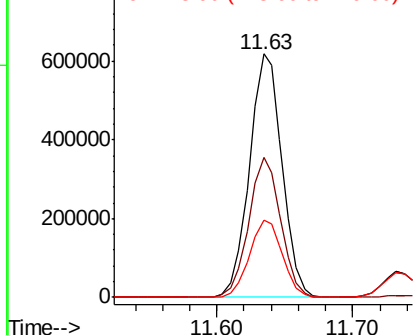
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tgt Ion:117 Resp: 1036562
Ion Ratio Lower Upper
117 100
82 57.7 45.3 67.9
119 31.7 26.2 39.4

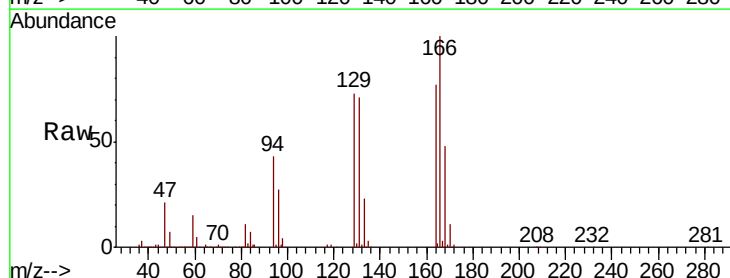


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

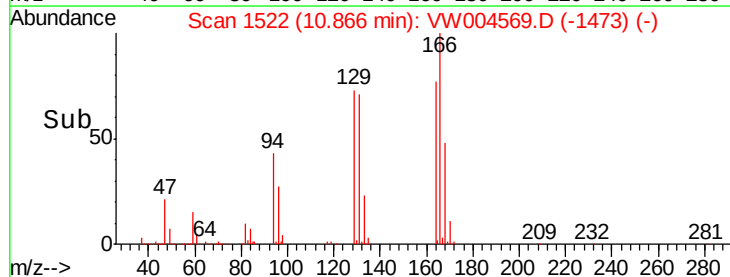
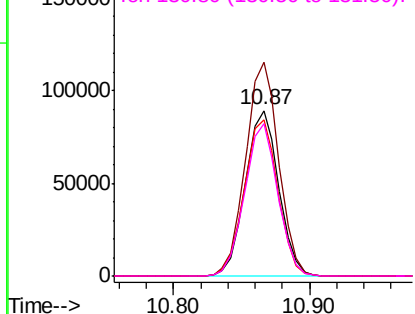


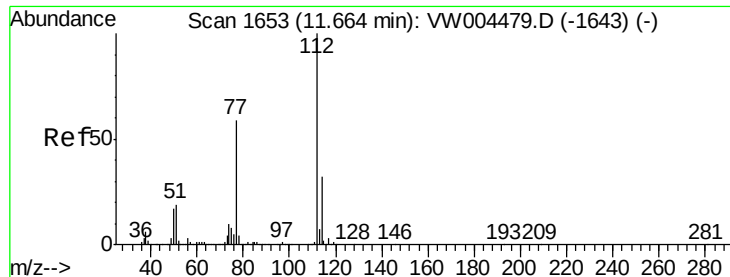
#64
Tetrachloroethene
Concen: 21.205 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

Tgt Ion:164 Resp: 153335
Ion Ratio Lower Upper
164 100
166 129.1 98.4 147.6
129 94.5 73.6 110.4
131 92.2 73.1 109.7



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

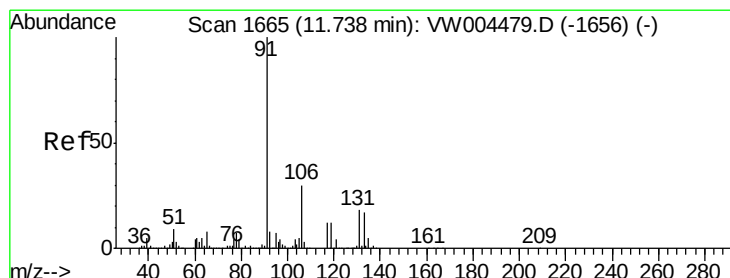
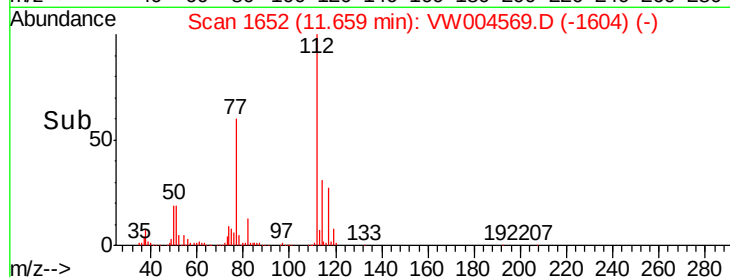
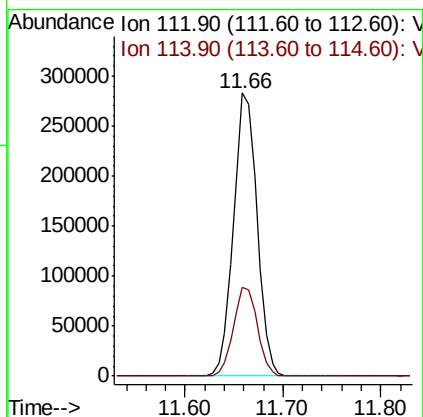
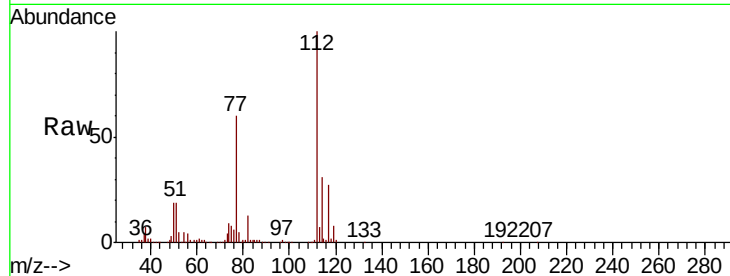




#65
Chlorobenzene
Concen: 20.753 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

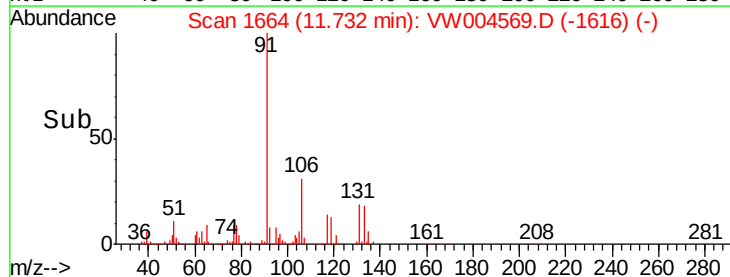
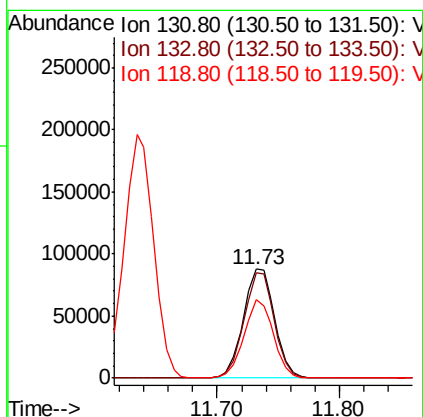
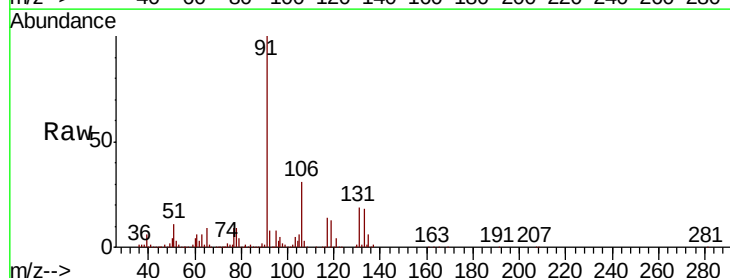
Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

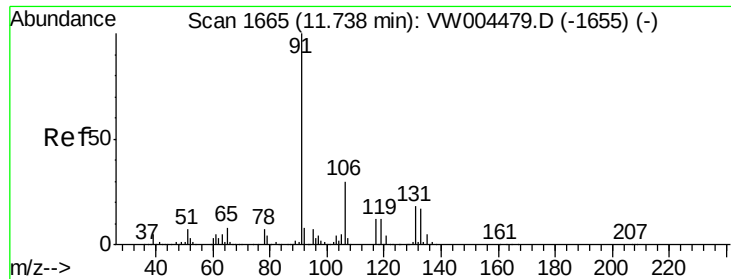
Tgt Ion:112 Resp: 474089
Ion Ratio Lower Upper
112 100
114 31.2 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.983 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

Tgt Ion:131 Resp: 155416
Ion Ratio Lower Upper
131 100
133 94.3 48.1 144.4
119 68.2 33.9 101.7

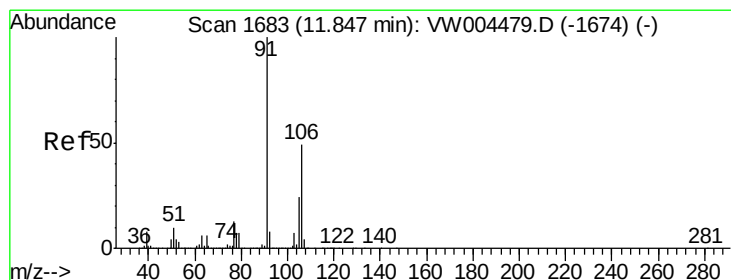
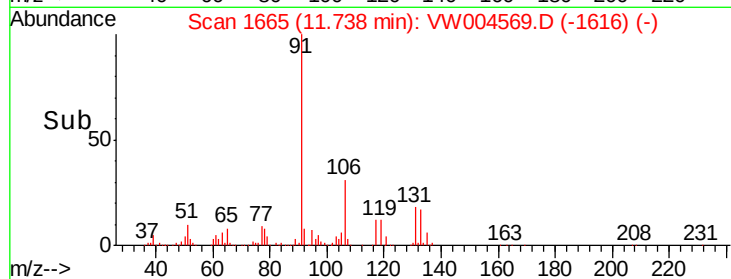
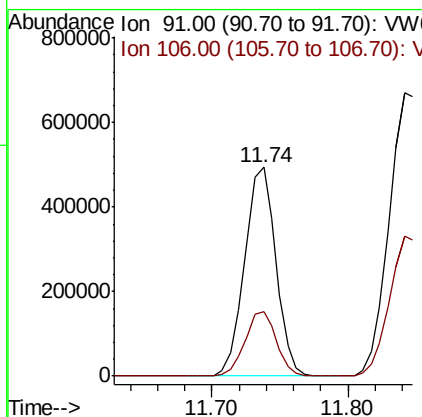
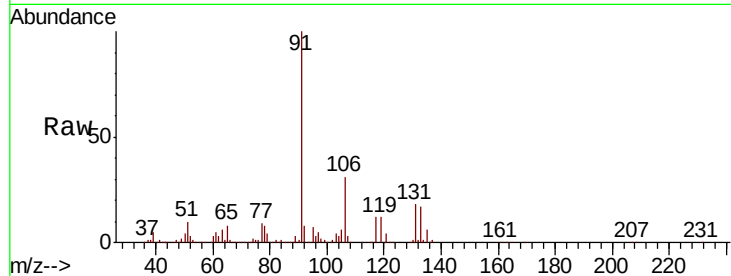




#67
Ethyl Benzene
Concen: 20.556 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

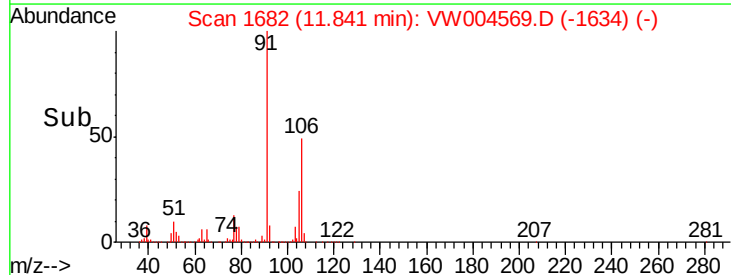
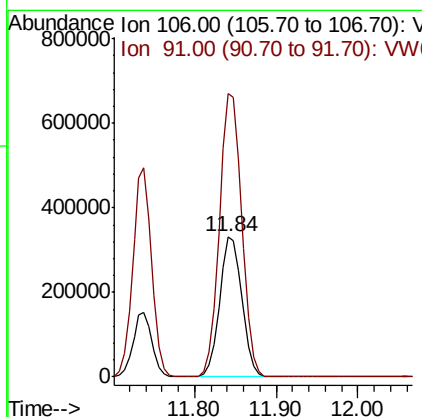
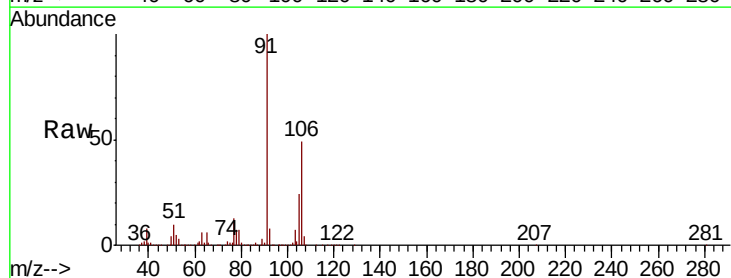
Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

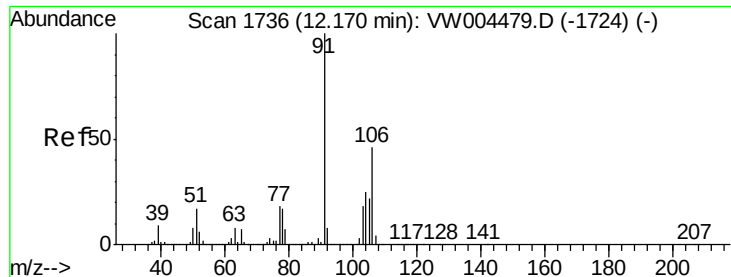
Tgt Ion: 91 Resp: 796028
Ion Ratio Lower Upper
91 100
106 30.9 24.2 36.2



#68
m/p-Xylenes
Concen: 41.871 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

Tgt Ion: 106 Resp: 626637
Ion Ratio Lower Upper
106 100
91 202.9 162.8 244.2

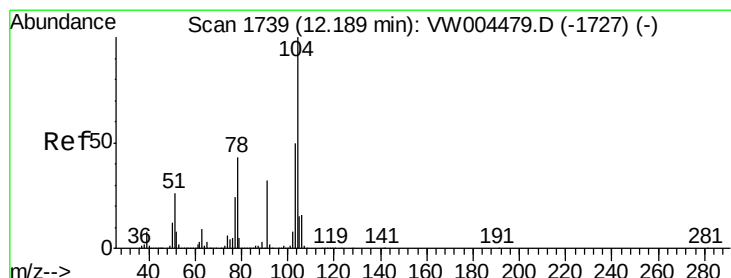
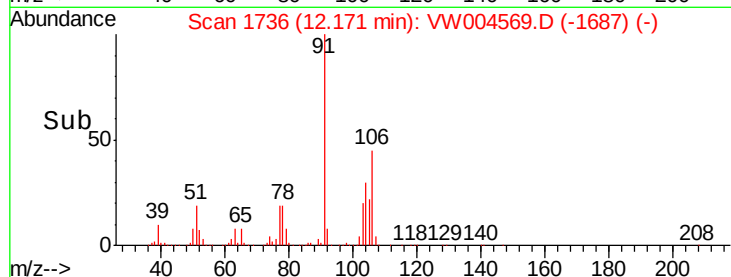
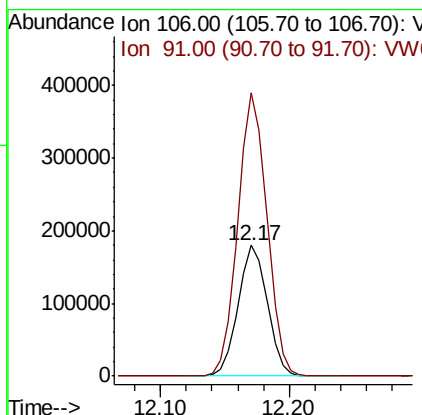
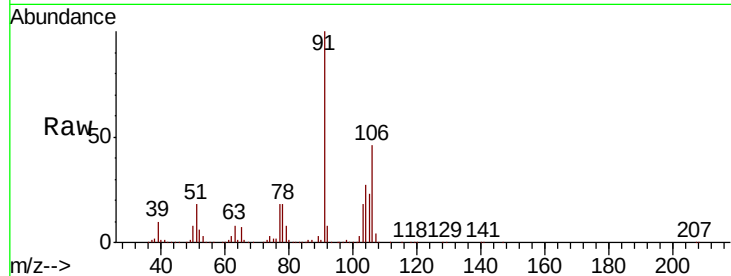




#69
o-Xylene
Concen: 20.359 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

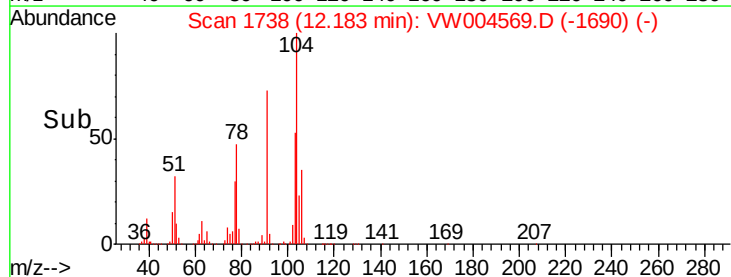
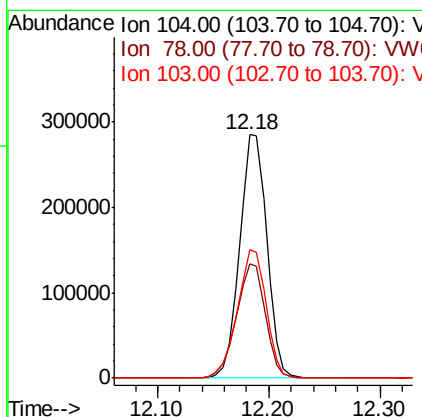
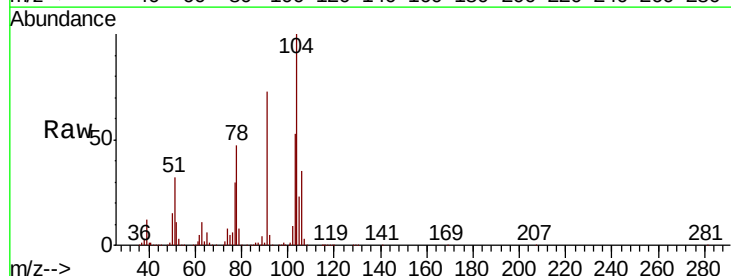
Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

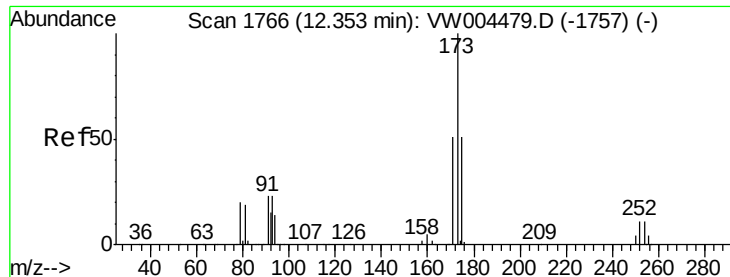
Tgt Ion:106 Resp: 282565
Ion Ratio Lower Upper
106 100
91 216.0 106.7 320.2



#70
Styrene
Concen: 20.631 ug/l
RT: 12.18 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

Tgt Ion:104 Resp: 483810
Ion Ratio Lower Upper
104 100
78 49.8 39.0 58.4
103 55.7 44.2 66.2





#71

Bromoform

Concen: 19.382 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

Instrument :

MSVOA_W

ClientSampled :

VW0812SBSD01

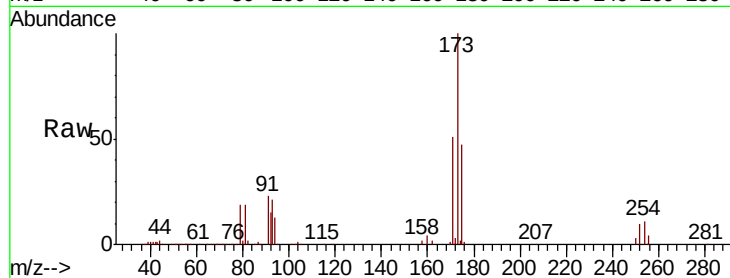
Tgt Ion:173 Resp: 82866

Ion Ratio Lower Upper

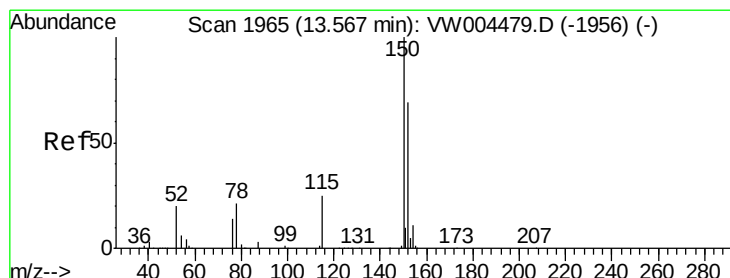
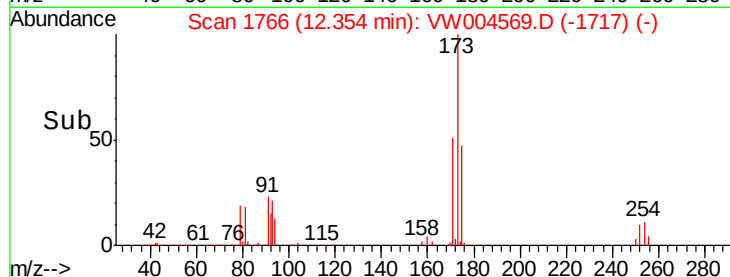
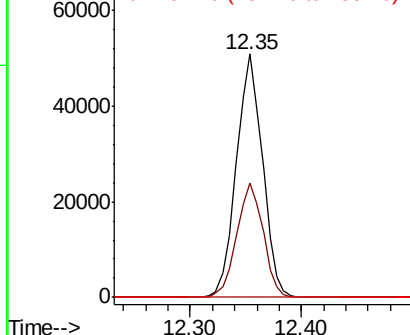
173 100

175 47.2 24.5 73.5

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

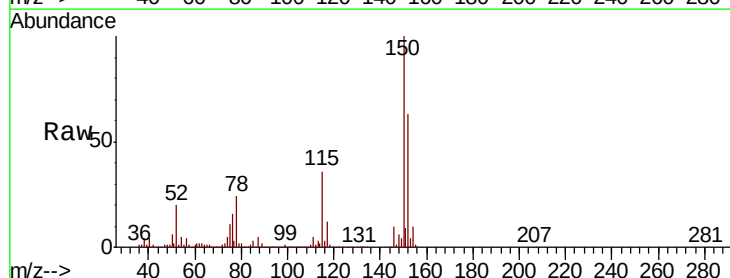
Tgt Ion:152 Resp: 549914

Ion Ratio Lower Upper

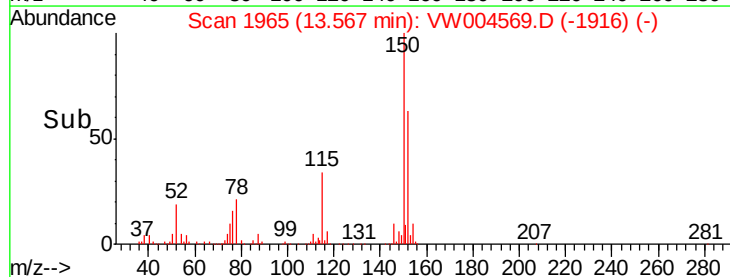
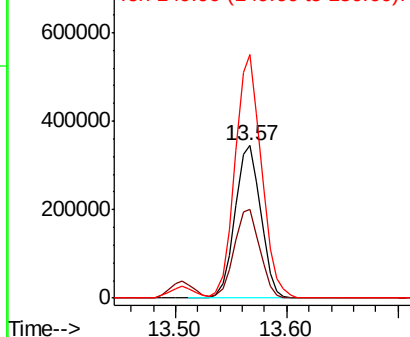
152 100

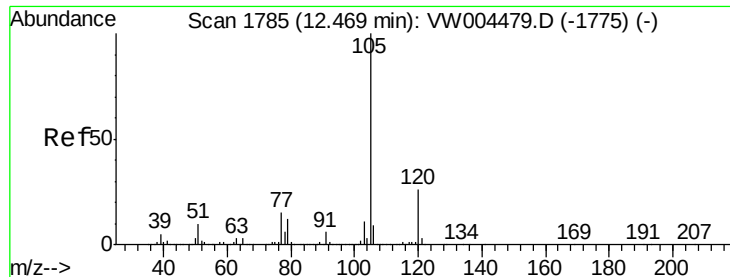
115 58.2 29.1 87.3

150 163.5 0.0 349.6



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: 20.594 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

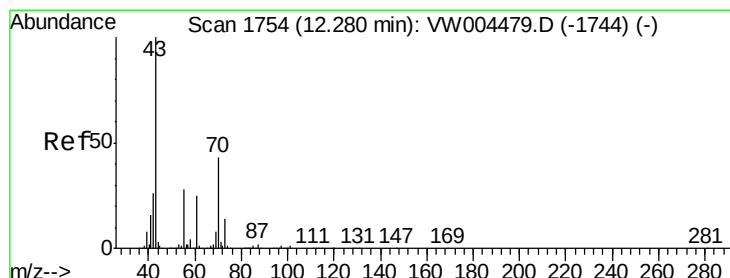
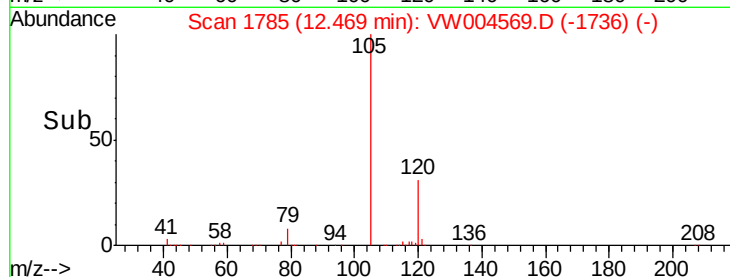
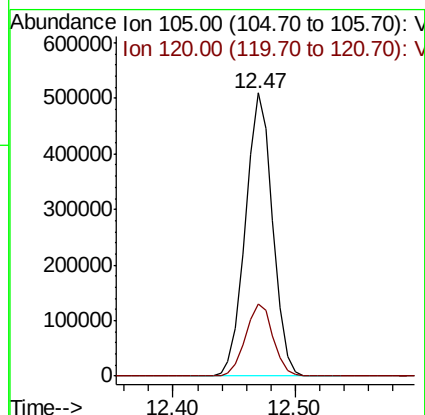
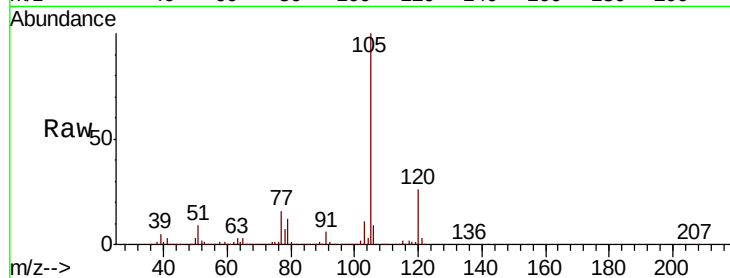
VW0812SBSD01

Tgt Ion: 105 Resp: 783336

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.6



#74

N-ethyl acetate

Concen: 18.422 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

Tgt Ion: 43 Resp: 169916

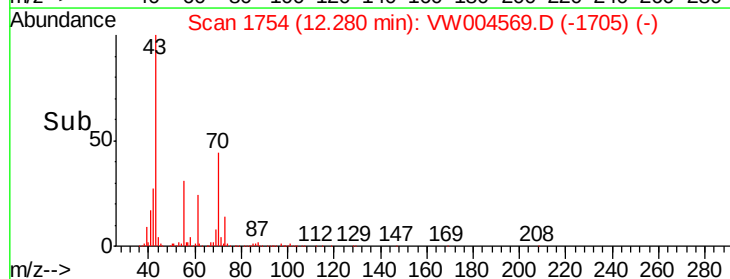
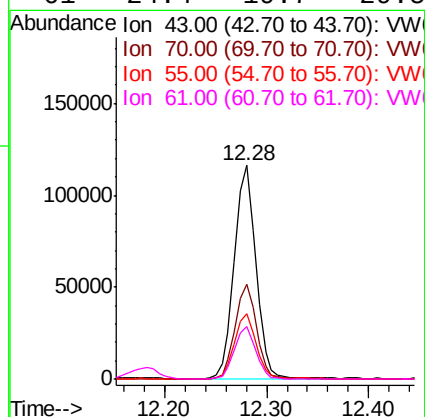
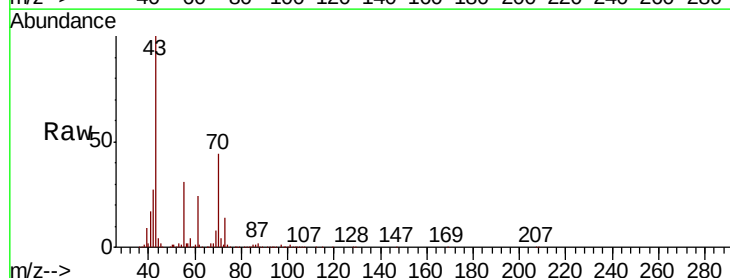
Ion Ratio Lower Upper

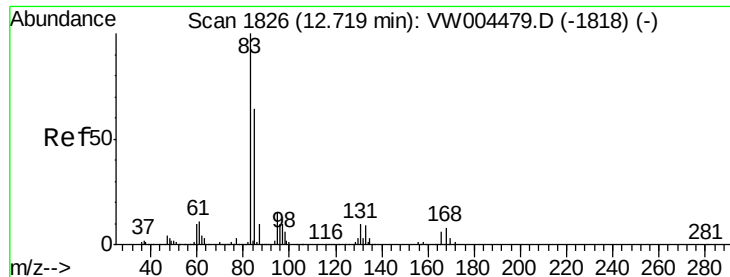
43 100

70 44.0 35.3 52.9

55 31.1 22.9 34.3

61 24.4 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.538 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

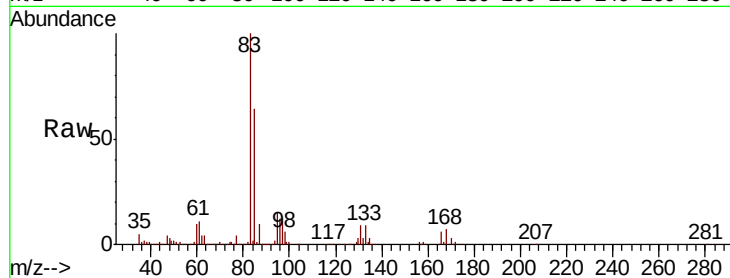
Tgt Ion: 83 Resp: 155140

Ion Ratio Lower Upper

83 100

131 10.2 5.0 15.0

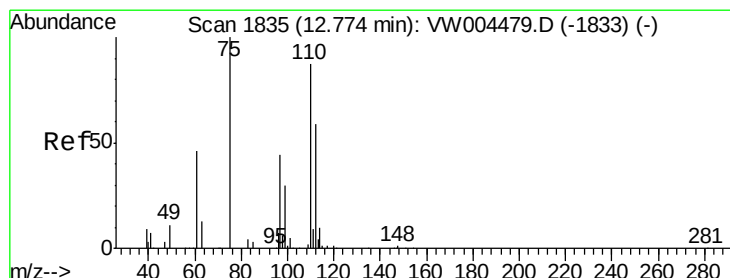
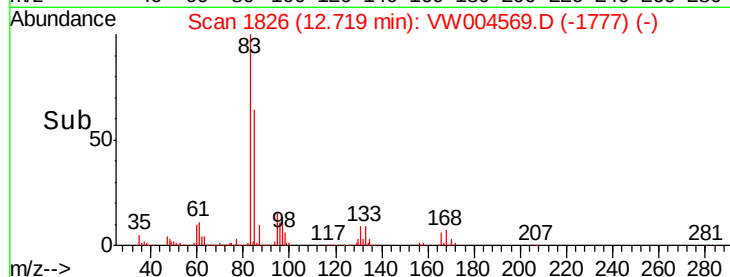
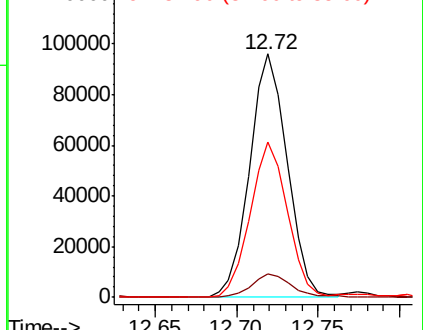
85 62.9 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 34.533 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004569.D

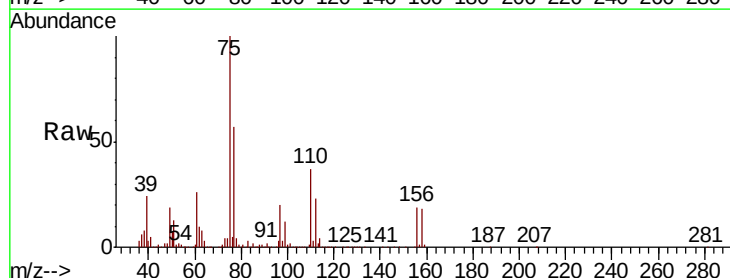
Acq: 09 Aug 2018 23:52

Tgt Ion: 75 Resp: 196508

Ion Ratio Lower Upper

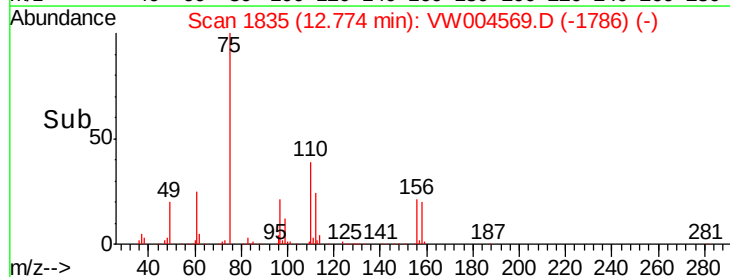
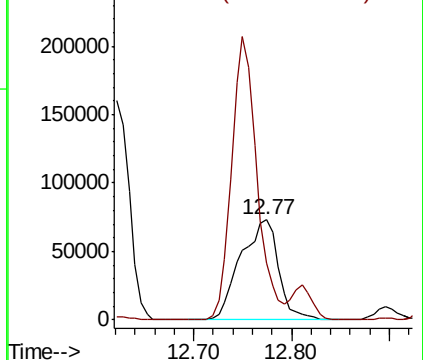
75 100

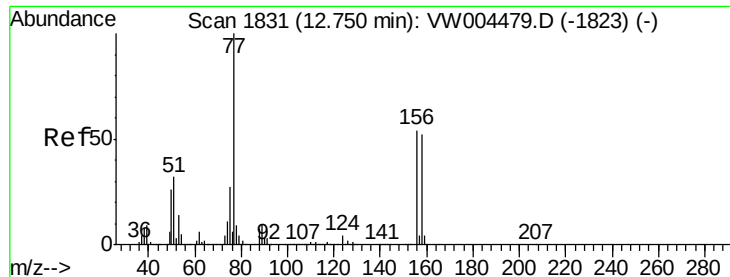
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.678 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

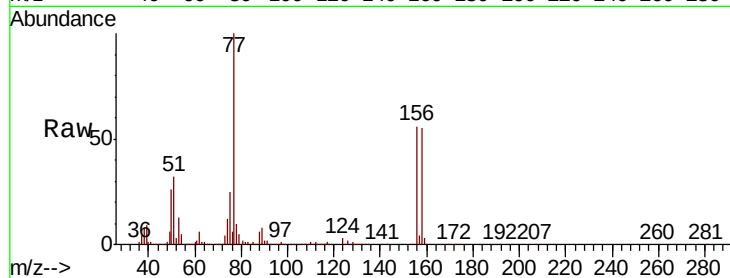
Tgt Ion:156 Resp: 190292

Ion Ratio Lower Upper

156 100

77 196.7 98.7 296.1

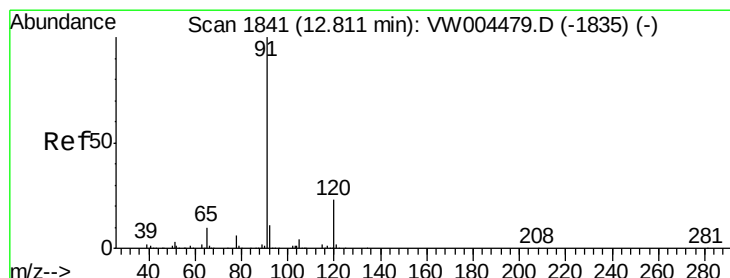
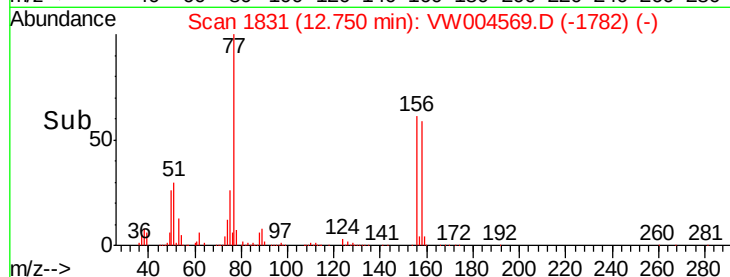
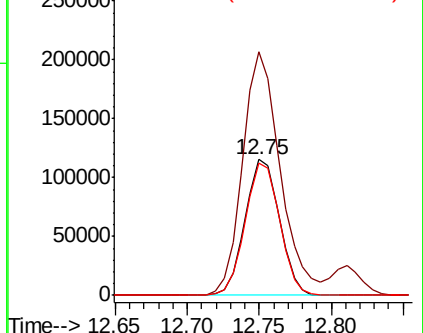
158 97.8 48.7 146.1



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: 20.925 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004569.D

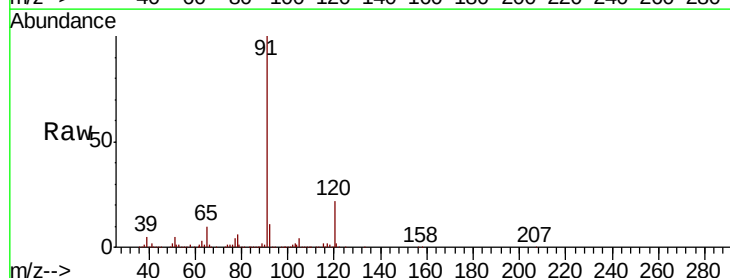
Acq: 09 Aug 2018 23:52

Tgt Ion: 91 Resp: 982114

Ion Ratio Lower Upper

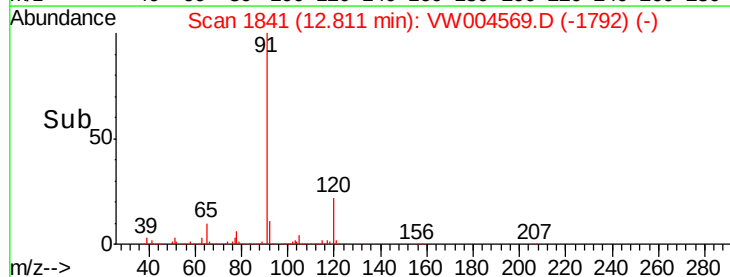
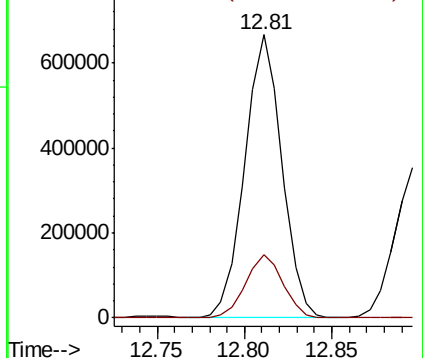
91 100

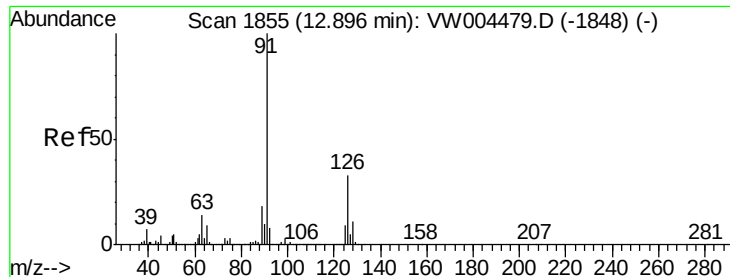
120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.901 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

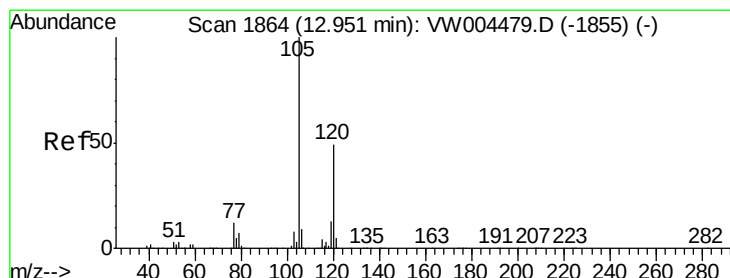
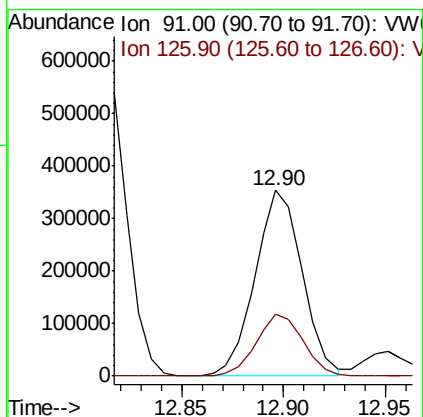
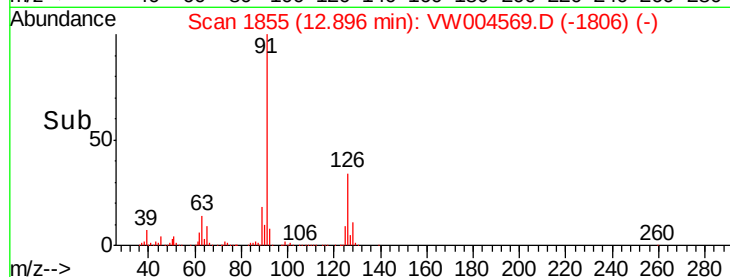
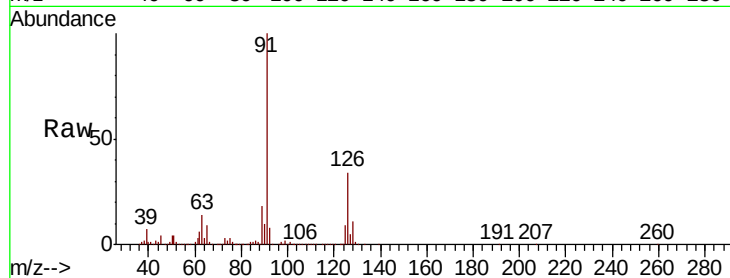
VW0812SBSD01

Tgt Ion: 91 Resp: 567700

Ion Ratio Lower Upper

91 100

126 33.4 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 21.399 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004569.D

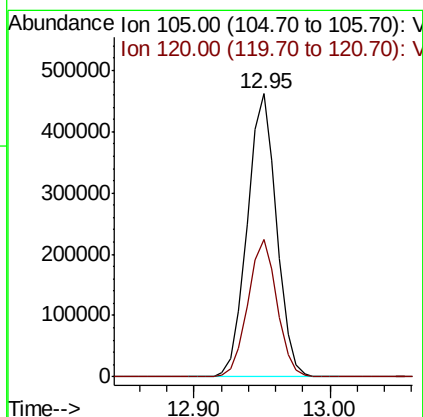
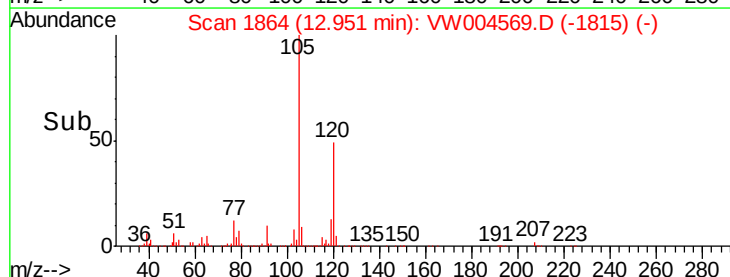
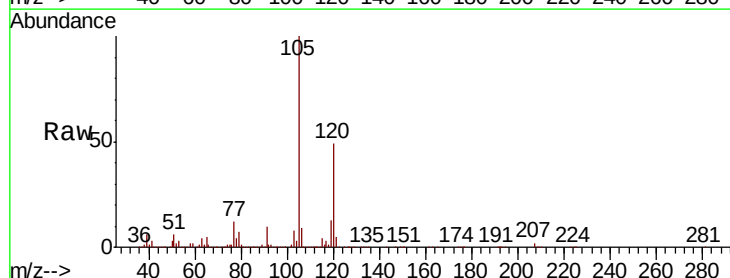
Acq: 09 Aug 2018 23:52

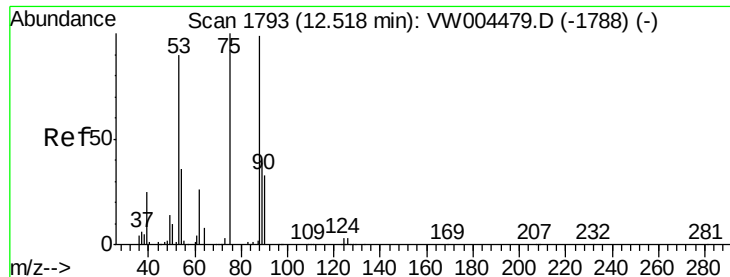
Tgt Ion: 105 Resp: 694333

Ion Ratio Lower Upper

105 100

120 48.5 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.069 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

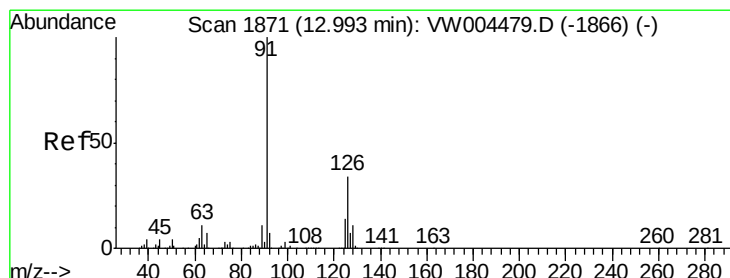
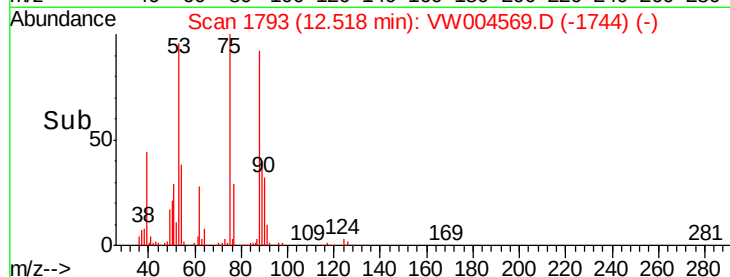
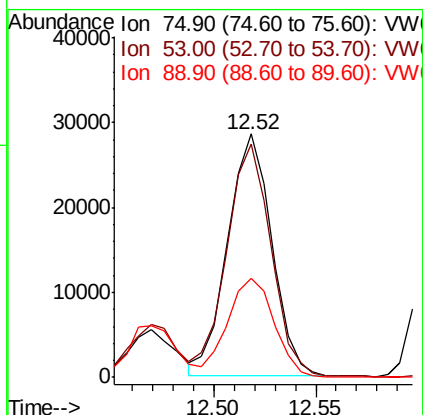
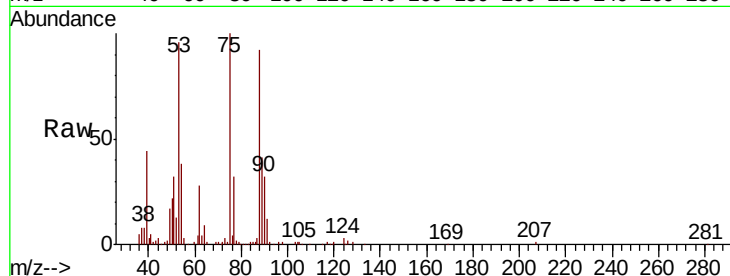
Tgt Ion: 75 Resp: 42951

Ion Ratio Lower Upper

75 100

53 96.8 74.4 111.6

89 42.9 35.9 53.9



#82

4-Chlorotoluene

Concen: 21.286 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW004569.D

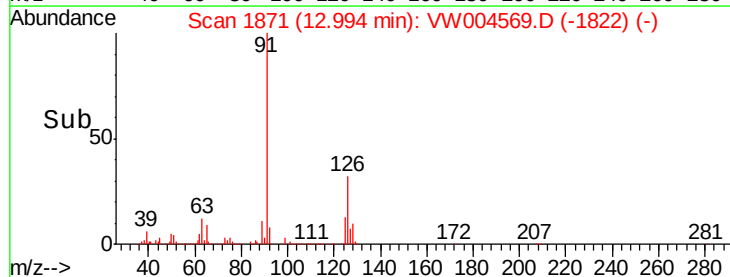
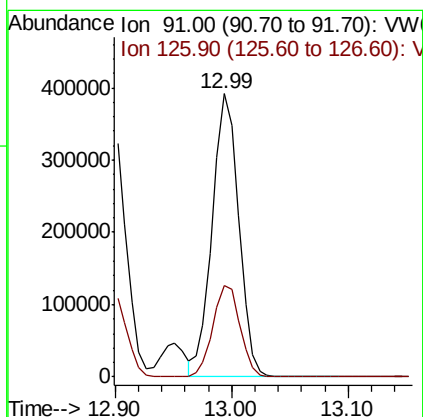
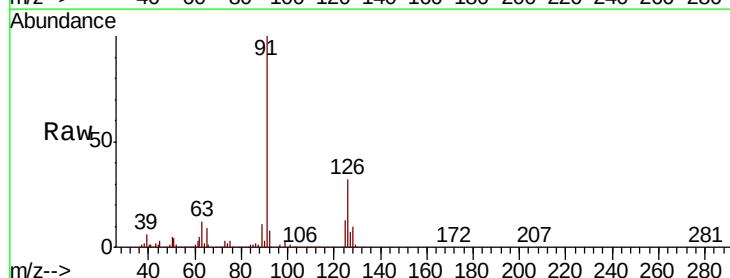
Acq: 09 Aug 2018 23:52

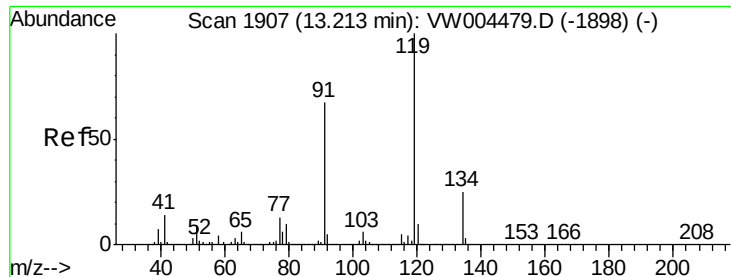
Tgt Ion: 91 Resp: 613604

Ion Ratio Lower Upper

91 100

126 33.1 16.5 49.5

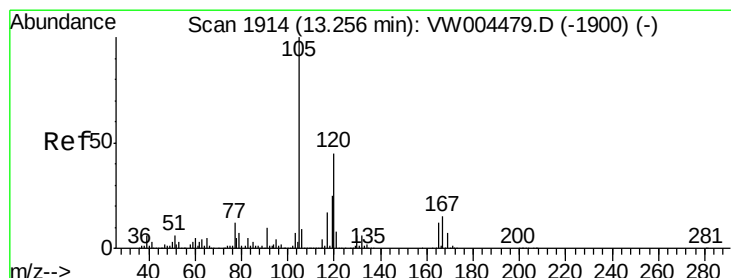
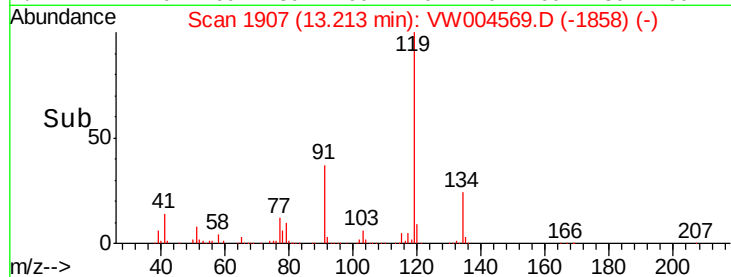
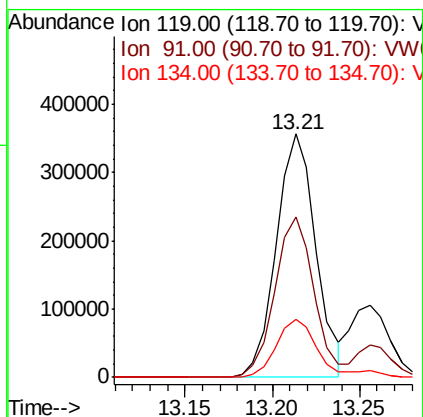
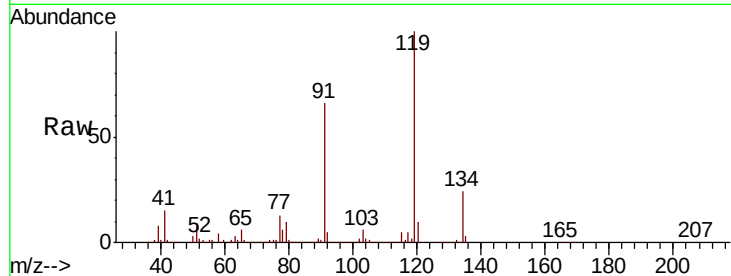




#83
 tert-Butylbenzene
 Concen: 20.703 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

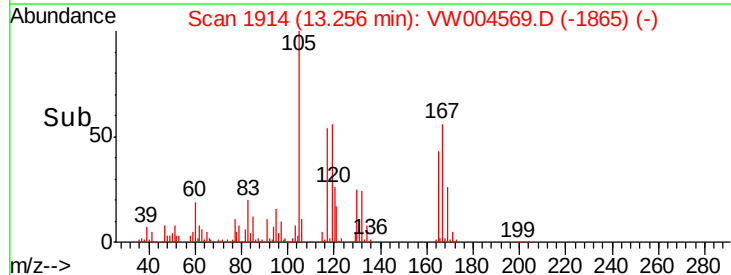
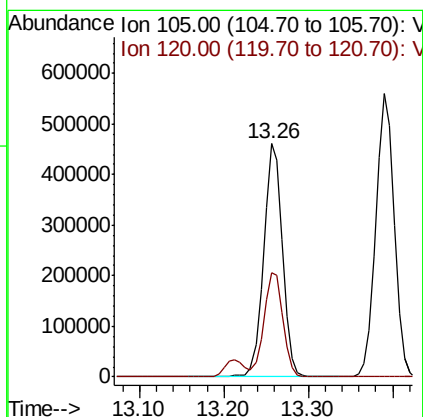
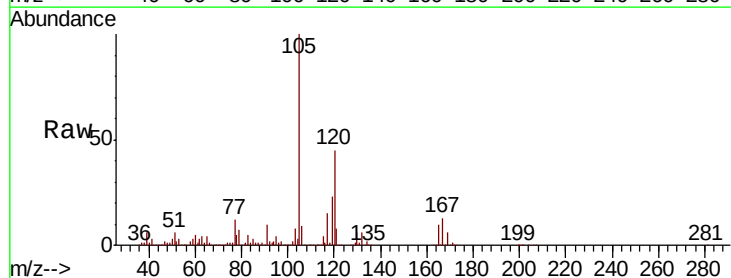
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

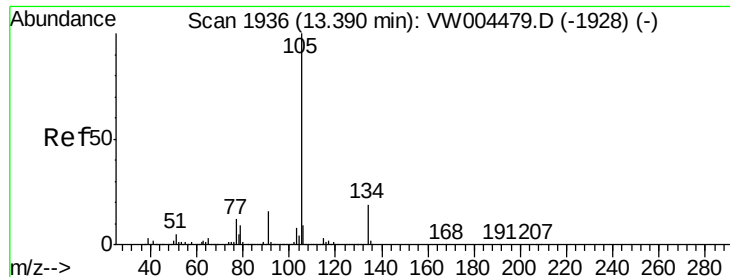
Tgt Ion:119 Resp: 563448
 Ion Ratio Lower Upper
 119 100
 91 64.6 33.3 99.8
 134 26.1 12.2 36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.102 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

Tgt Ion:105 Resp: 708805
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.6 67.8

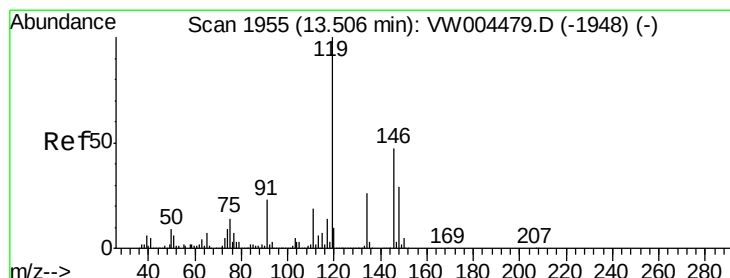
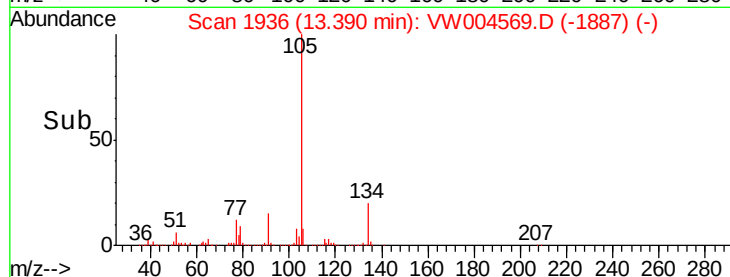
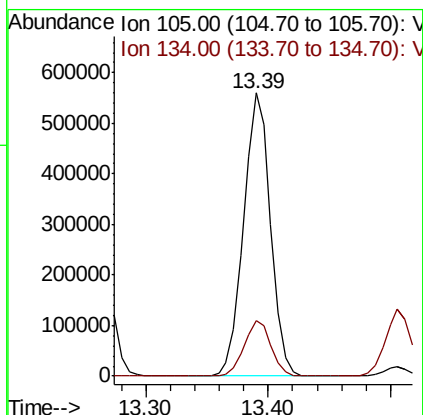
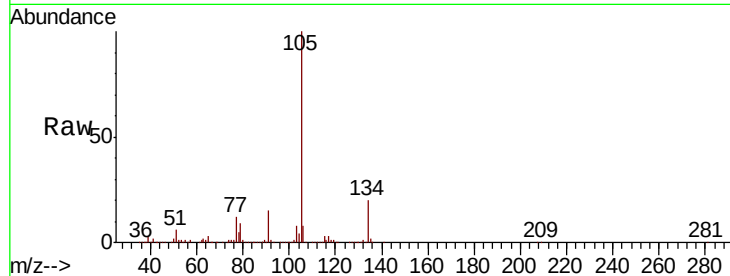




#85
 sec-Butylbenzene
 Concen: 20.693 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

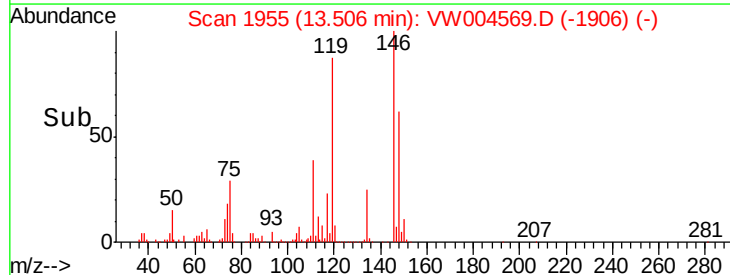
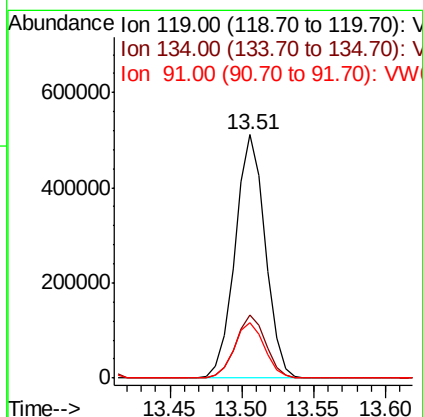
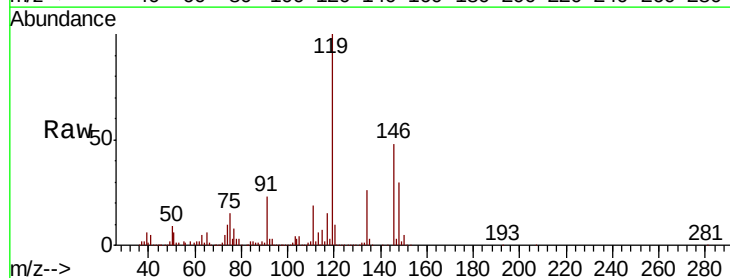
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

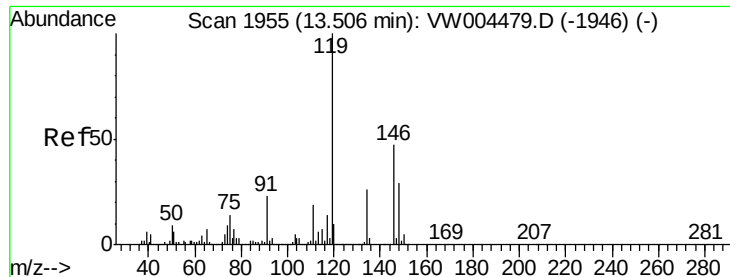
Tgt Ion:105 Resp: 849605
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 20.843 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

Tgt Ion:119 Resp: 741578
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.1
 91 23.1 11.4 34.1

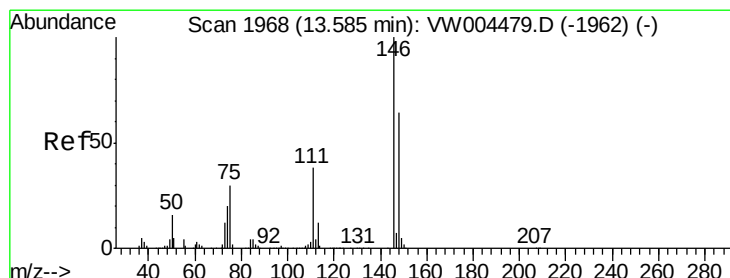
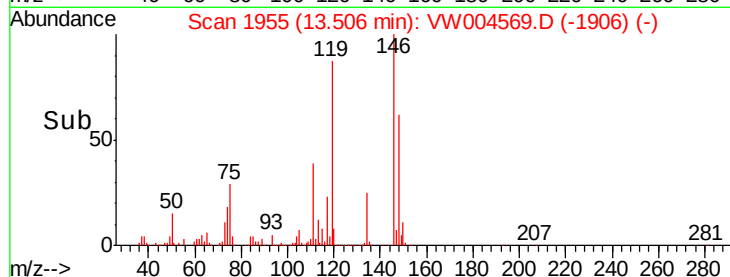
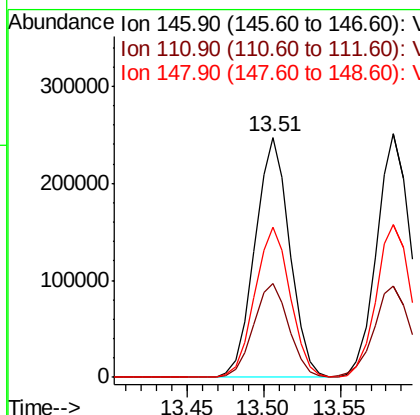
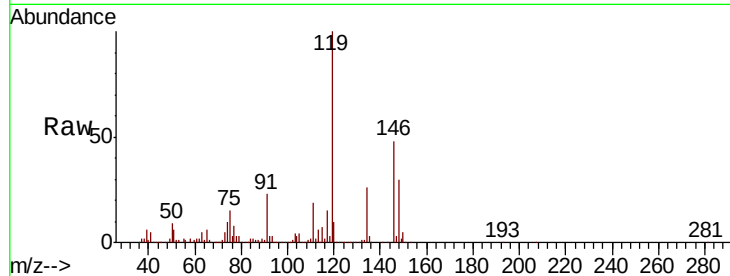




#87
 1,3-Dichlorobenzene
 Concen: 20.609 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

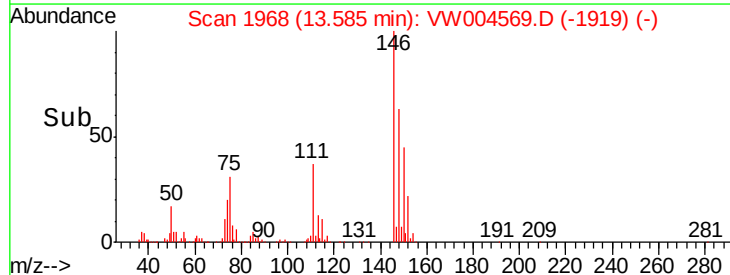
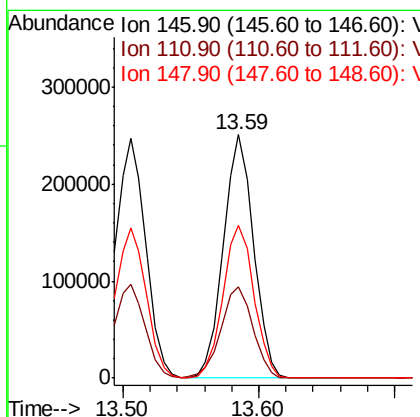
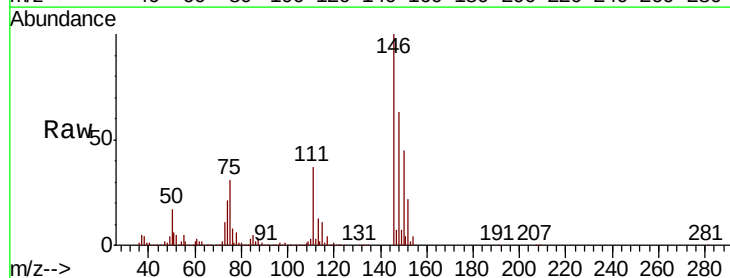
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

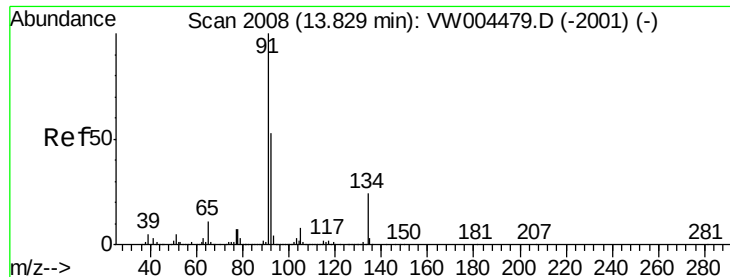
Tgt Ion:146 Resp: 390801
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.0 59.9
 148 63.5 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 20.496 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

Tgt Ion:146 Resp: 386907
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.6 58.8
 148 64.4 31.9 95.5





#89

n-Butylbenzene

Concen: 20.182 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VW004569.D

Acq: 09 Aug 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD01

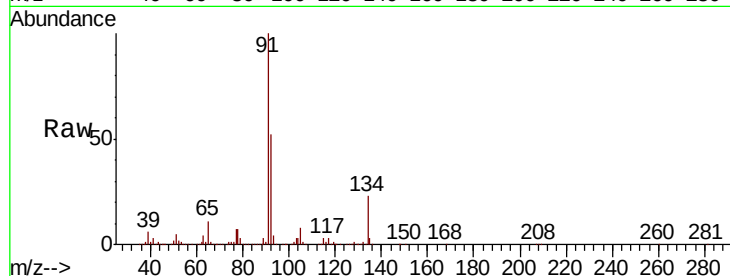
Tgt Ion: 91 Resp: 705506

Ion Ratio Lower Upper

91 100

92 52.1 26.4 79.0

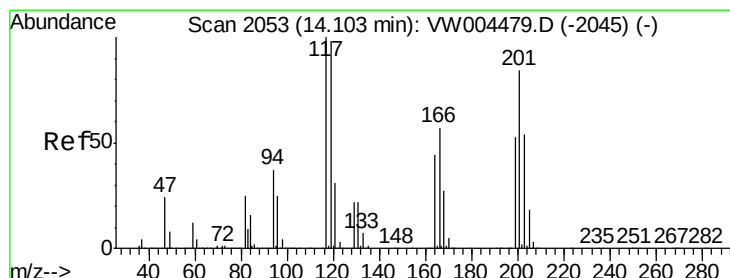
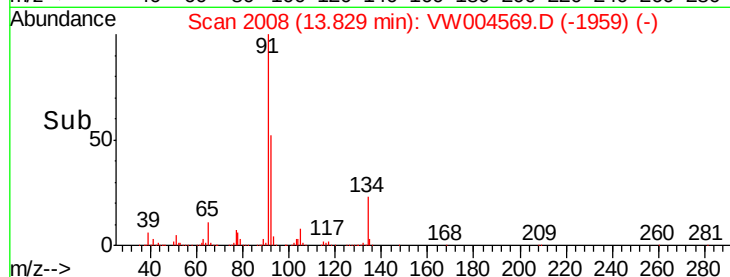
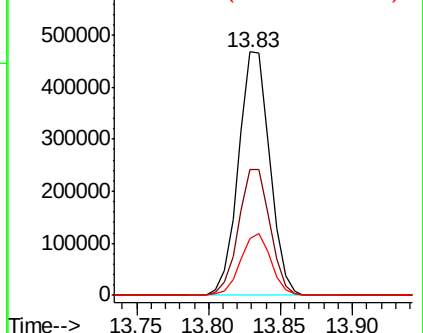
134 24.8 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.697 ug/l

RT: 14.10 min Scan# 2052

Delta R.T. -0.01 min

Lab File: VW004569.D

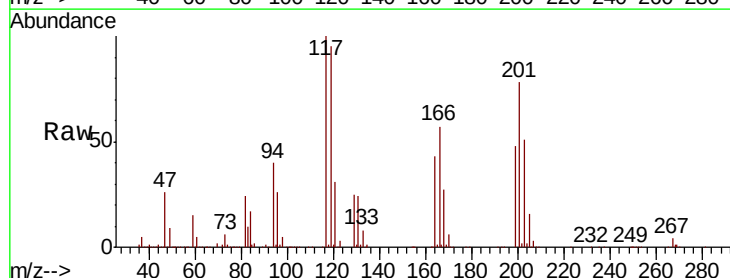
Acq: 09 Aug 2018 23:52

Tgt Ion: 117 Resp: 129661

Ion Ratio Lower Upper

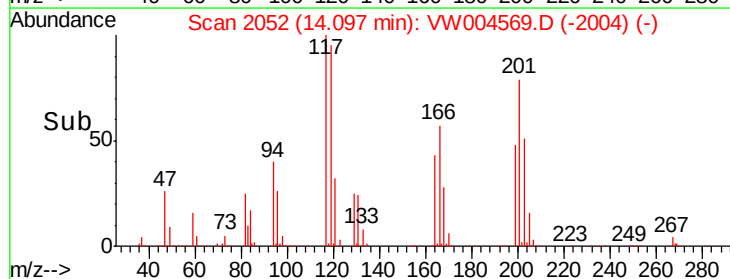
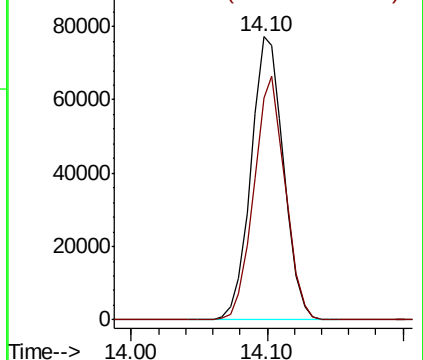
117 100

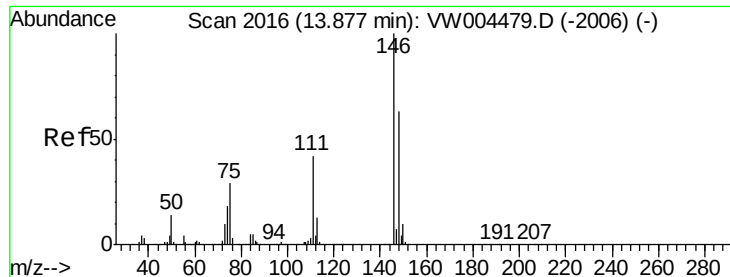
201 82.7 40.1 120.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

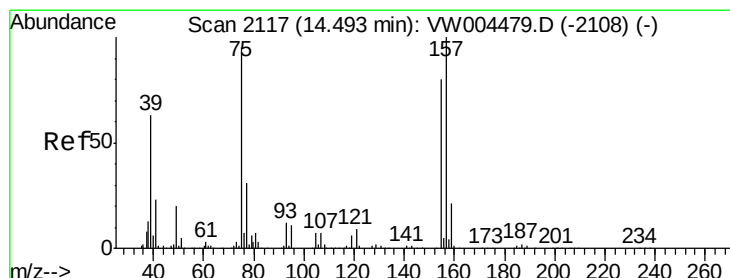
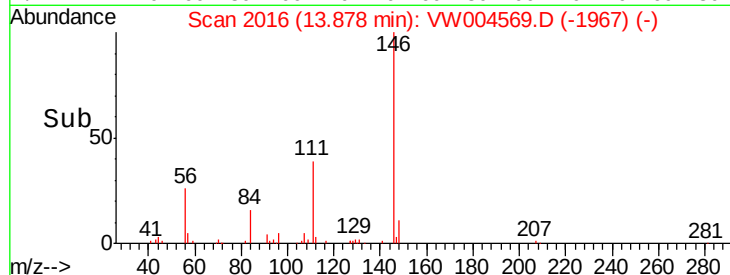
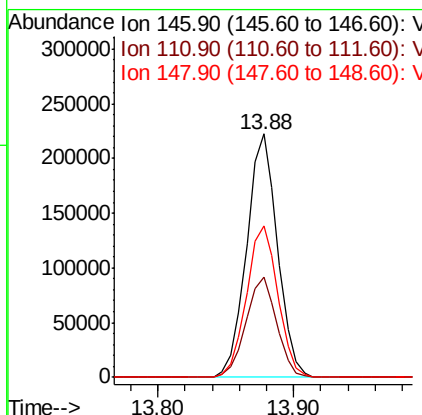
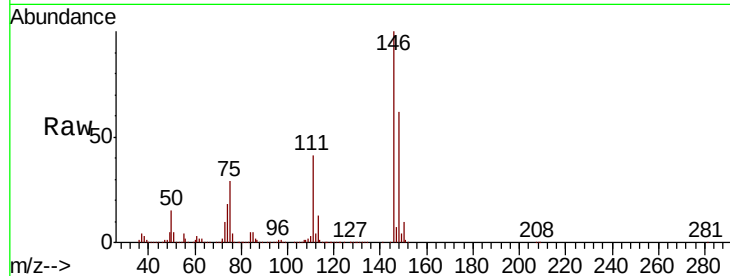




#91
 1,2-Dichlorobenzene
 Concen: 20.519 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

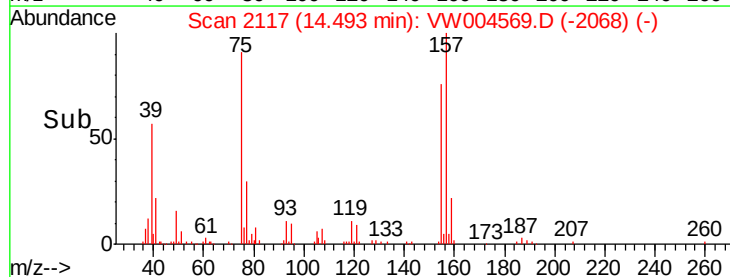
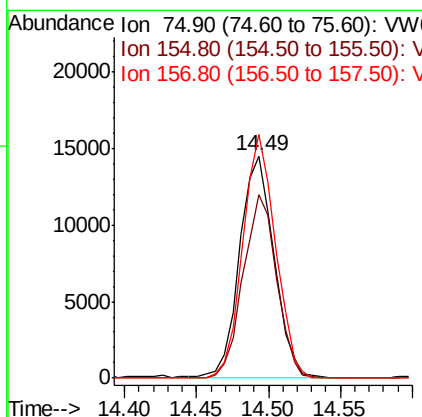
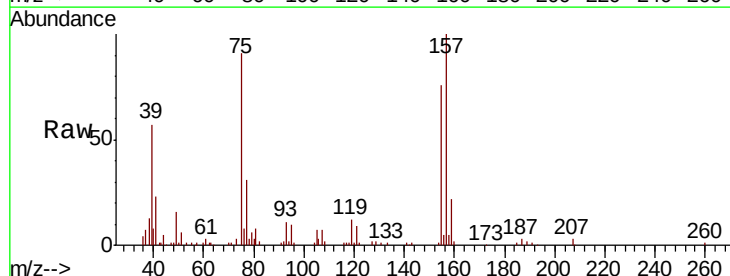
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

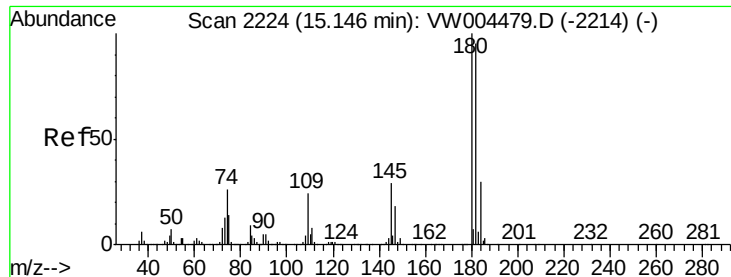
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.2
148	63.3	31.8	95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.571 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.7	41.3	123.7
157	103.6	52.6	157.8

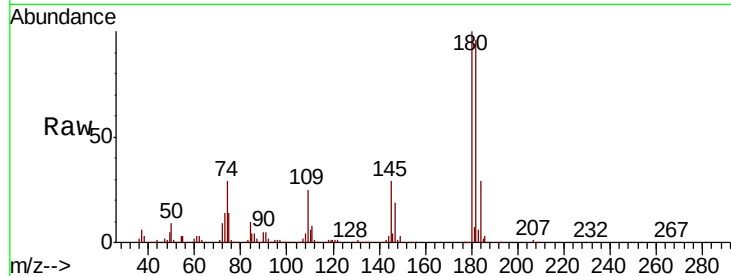




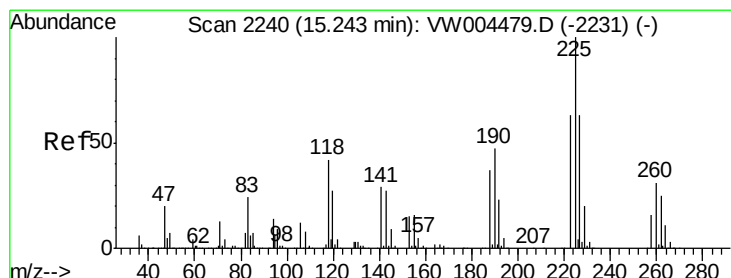
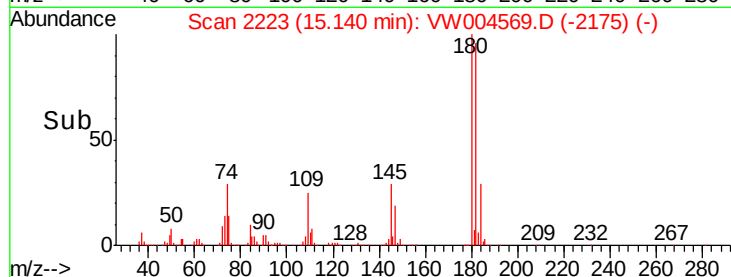
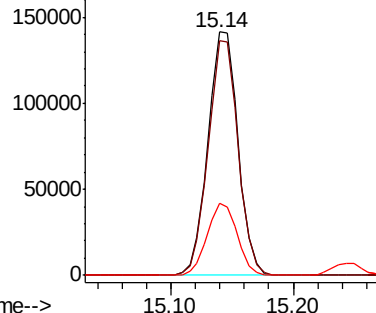
#93
 1,2,4-Trichlorobenzene
 Concen: 20.119 ug/l
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.6
145	29.5	14.9	44.9

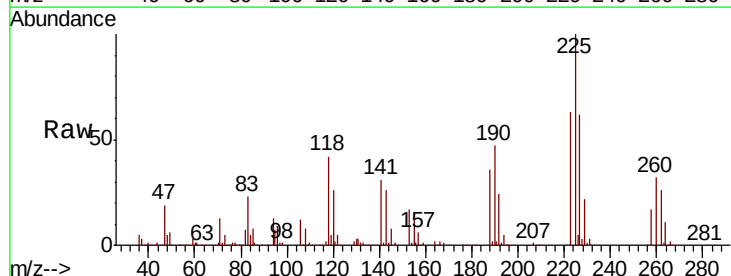


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

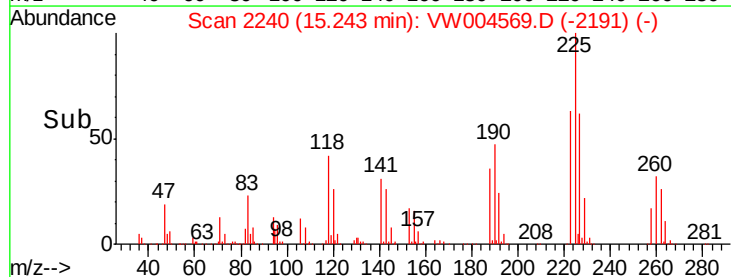
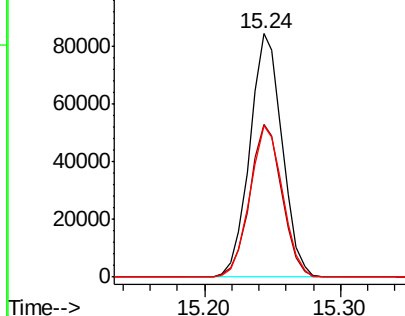


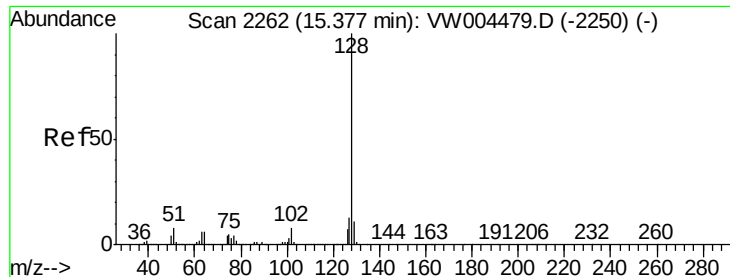
#94
 Hexachlorobutadiene
 Concen: 20.247 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW004569.D
 Acq: 09 Aug 2018 23:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.3	93.8
227	62.8	31.8	95.4



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

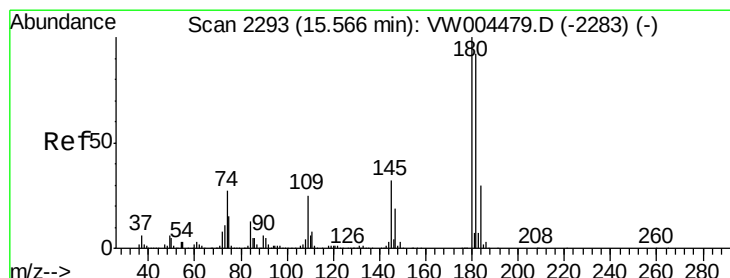
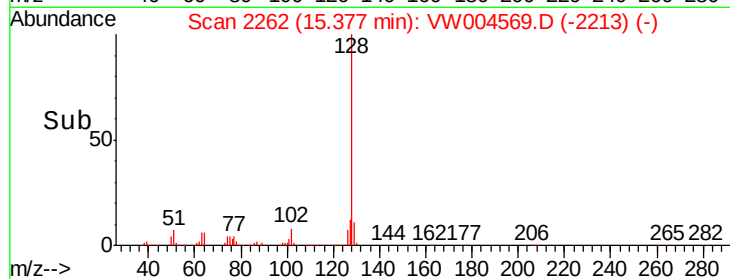
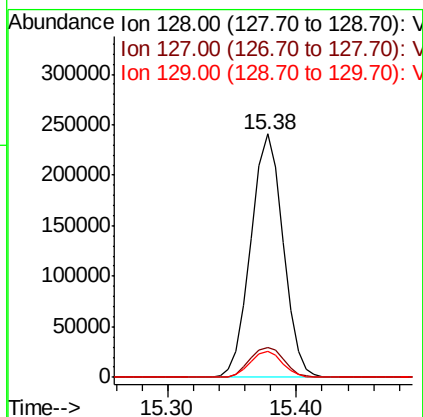
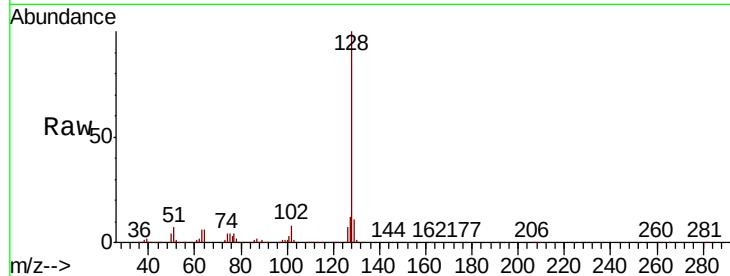




#95
Naphthalene
Concen: 18.918 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD01

Tgt Ion:128 Resp: 417729
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.216 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004569.D
Acq: 09 Aug 2018 23:52

Tgt Ion:180 Resp: 216380
Ion Ratio Lower Upper
180 100
182 95.9 47.0 141.2
145 31.7 15.9 47.6

