

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081218\
 Data File : VW004568.D
 Acq On : 09 Aug 2018 23:26
 Operator : SY/AP
 Sample : VW0812SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS01

Quant Time: Aug 10 03:51:08 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	648648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1029605	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	998911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	529179	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	353037	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
35) Dibromofluoromethane	7.88	113	344929	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
50) Toluene-d8	10.33	98	1369370	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
62) 4-Bromofluorobenzene	12.62	95	491729	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	91258	20.501	ug/l 99
3) Chloromethane	2.22	50	121783	19.638	ug/l 98
4) Vinyl Chloride	2.37	62	181427	20.943	ug/l 98
5) Bromomethane	2.78	94	106477	21.109	ug/l 95
6) Chloroethane	2.92	64	107930	20.850	ug/l 95
7) Trichlorofluoromethane	3.26	101	75308	23.536	ug/l 99
8) Diethyl Ether	3.68	74	79808	19.718	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	145688	20.615	ug/l 98
10) Methyl Iodide	4.27	142	218141	20.573	ug/l 98
11) Tert butyl alcohol	5.20	59	36225	86.164	ug/l 100
12) 1,1-Dichloroethene	4.04	96	142561	20.042	ug/l 98
13) Acrolein	3.89	56	46468	90.208	ug/l 96
14) Allyl chloride	4.67	41	222822	20.849	ug/l 99
15) Acrylonitrile	5.37	53	167563	93.158	ug/l 99
16) Acetone	4.13	43	172259	96.064	ug/l 100
17) Carbon Disulfide	4.38	76	474193	20.743	ug/l 100
18) Methyl Acetate	4.67	43	80801	18.071	ug/l 99
19) Methyl tert-butyl Ether	5.43	73	178881	18.436	ug/l 98
20) Methylene Chloride	4.91	84	194661	16.244	ug/l 96
21) trans-1,2-Dichloroethene	5.42	96	153899	20.076	ug/l 99
22) Diisopropyl ether	6.31	45	463697	21.113	ug/l 96
23) Vinyl Acetate	6.26	43	1214320	91.998	ug/l 99
24) 1,1-Dichloroethane	6.21	63	286351	20.370	ug/l 99
25) 2-Butanone	7.18	43	252394	87.501	ug/l 100
26) 2,2-Dichloropropane	7.17	77	146720	19.886	ug/l 99
27) cis-1,2-Dichloroethene	7.17	96	167005	20.249	ug/l 99
28) Bromochloromethane	7.51	49	127069	20.775	ug/l 100
29) Tetrahydrofuran	7.54	42	127833	85.725	ug/l 100
30) Chloroform	7.68	83	284902	20.634	ug/l 99
31) Cyclohexane	7.96	56	260779	19.388	ug/l 97
32) 1,1,1-Trichloroethane	7.87	97	214110	20.644	ug/l 99
36) 1,1-Dichloropropene	8.09	75	219256	19.778	ug/l 99
37) Ethyl Acetate	7.26	43	90003	17.335	ug/l 99
38) Carbon Tetrachloride	8.07	117	200349	20.083	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	258082	18.993	ug/l	99
40) Benzene	8.32	78	658511	20.228	ug/l	98
41) Methacrylonitrile	7.49	41	49990	17.238	ug/l	97
42) 1,2-Dichloroethane	8.40	62	176959	19.647	ug/l	100
43) Isopropyl Acetate	8.43	43	158285	17.489	ug/l	98
44) Trichloroethene	9.09	130	159754	19.970	ug/l	100
45) 1,2-Dichloropropane	9.37	63	165372	20.284	ug/l	99
46) Dibromomethane	9.46	93	81134	19.549	ug/l	99
47) Bromodichloromethane	9.65	83	190954	19.492	ug/l	98
48) Methyl methacrylate	9.44	41	76978	18.198	ug/l	99
49) 1,4-Dioxane	9.46	88	22431	354.255	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	558599	88.671	ug/l	99
52) Toluene	10.39	92	400498	20.863	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	186882	18.998	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	225377	19.660	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	116138	19.523	ug/l	100
56) Ethyl methacrylate	10.65	69	126940	17.824	ug/l	100
57) 1,3-Dichloropropane	10.93	76	200370	19.543	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	334835	94.305	ug/l	100
59) 2-Hexanone	10.98	43	374775	87.744	ug/l	97
60) Dibromochloromethane	11.13	129	128984	19.936	ug/l	97
61) 1,2-Dibromoethane	11.24	107	108039	19.332	ug/l	100
64) Tetrachloroethene	10.87	164	143618	20.610	ug/l	95
65) Chlorobenzene	11.66	112	442871	20.118	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	146240	19.512	ug/l	99
67) Ethyl Benzene	11.74	91	738216	19.782	ug/l	99
68) m/p-Xylenes	11.85	106	584471	40.526	ug/l	99
69) o-Xylene	12.17	106	267924	20.032	ug/l	100
70) Styrene	12.19	104	458477	20.288	ug/l	99
71) Bromoform	12.35	173	74583	18.102	ug/l #	100
73) Isopropylbenzene	12.47	105	726619	19.851	ug/l	100
74) N-amyl acetate	12.28	43	152452	17.176	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	141319	18.495	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	177254	32.370	ug/l #	100
77) Bromobenzene	12.75	156	177417	20.034	ug/l	99
78) n-propylbenzene	12.81	91	920396	20.378	ug/l	100
79) 2-Chlorotoluene	12.90	91	532536	20.375	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	651901	20.878	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	38082	16.648	ug/l	94
82) 4-Chlorotoluene	12.99	91	569986	20.548	ug/l	100
83) tert-Butylbenzene	13.21	119	523530	19.990	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	667644	20.655	ug/l	100
85) sec-Butylbenzene	13.39	105	796131	20.150	ug/l	99
86) p-Isopropyltoluene	13.51	119	696409	20.341	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	369297	20.238	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	364786	20.082	ug/l	99
89) n-Butylbenzene	13.83	91	661626	19.669	ug/l	99
90) Hexachloroethane	14.10	117	123826	19.548	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	333583	20.150	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21318	17.074	ug/l	97

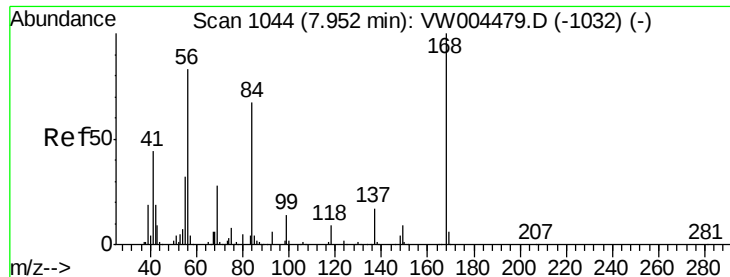
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	221338	19.311	ug/l	99
94) Hexachlorobutadiene	15.24	225	133229	19.963	ug/l	99
95) Naphthalene	15.38	128	373314	17.777	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	201106	19.525	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: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

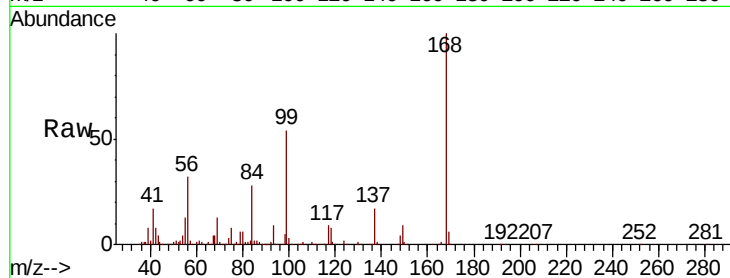
VW0812SBS01

Tgt Ion:168 Resp: 648648

Ion Ratio Lower Upper

168 100

99 54.2 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

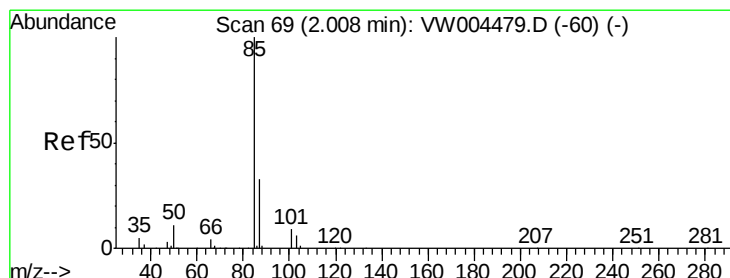
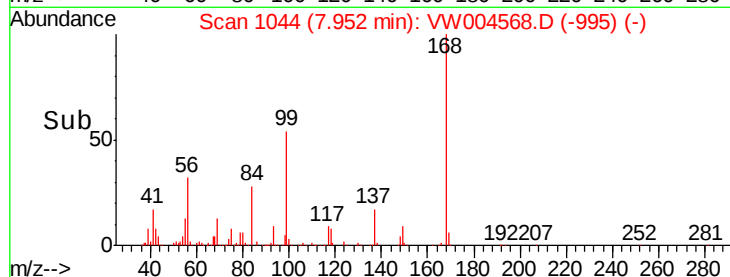
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.501 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004568.D

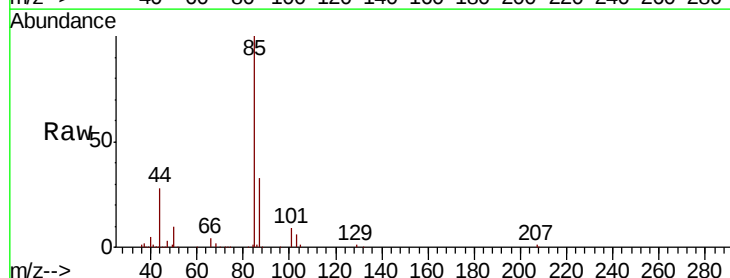
Acq: 09 Aug 2018 23:26

Tgt Ion: 85 Resp: 91258

Ion Ratio Lower Upper

85 100

87 32.7 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

25000

20000

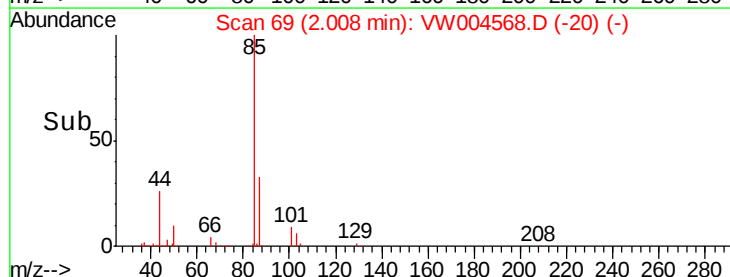
15000

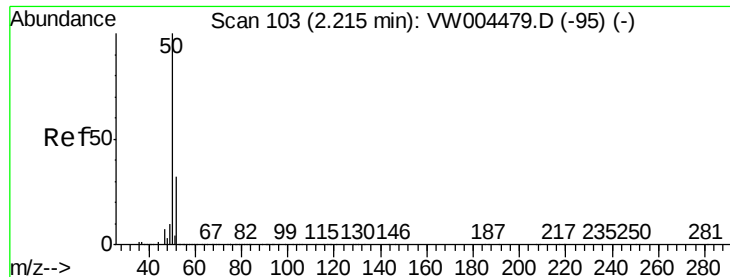
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 19.638 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

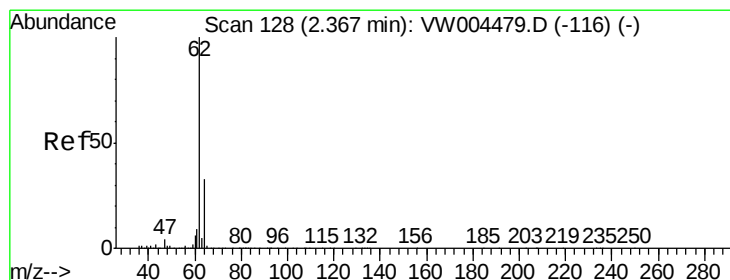
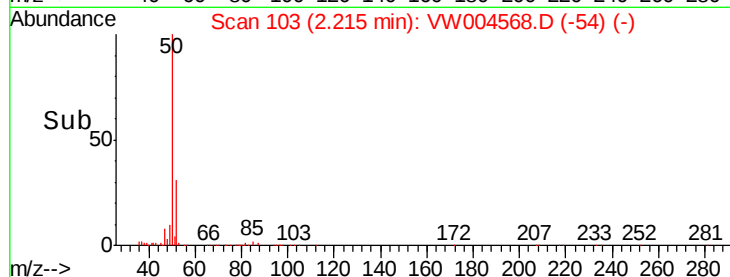
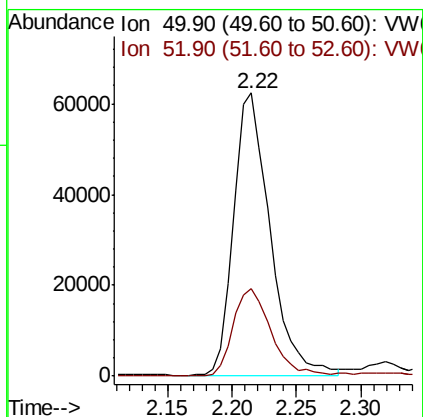
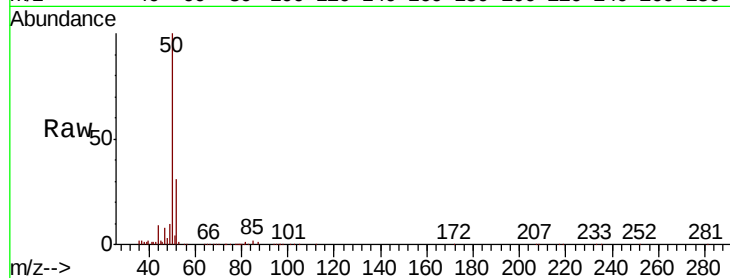
VW0812SBS01

Tgt Ion: 50 Resp: 121783

Ion Ratio Lower Upper

50 100

52 31.0 25.8 38.8



#4

Vinyl Chloride

Concen: 20.943 ug/l

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004568.D

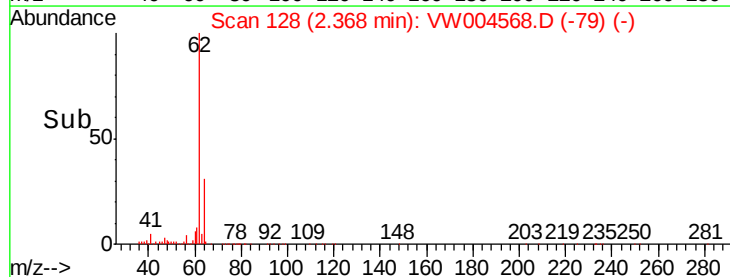
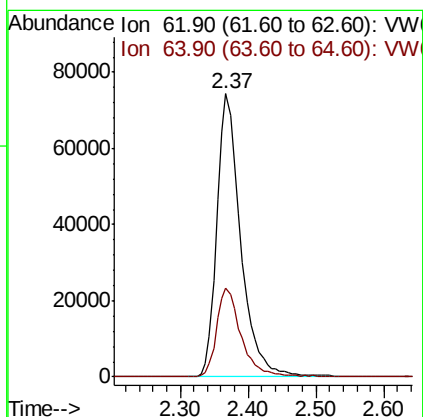
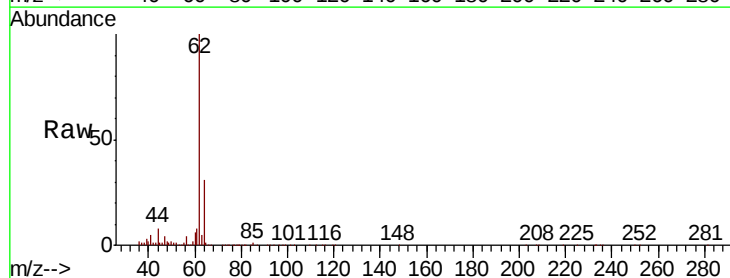
Acq: 09 Aug 2018 23:26

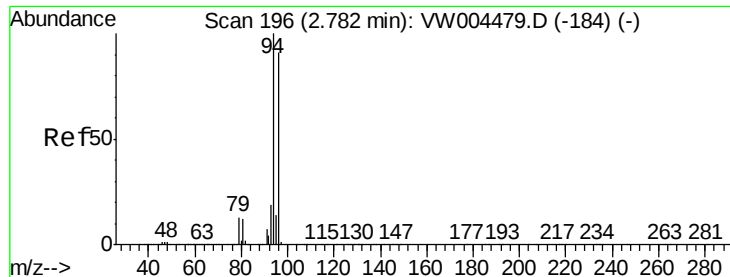
Tgt Ion: 62 Resp: 181427

Ion Ratio Lower Upper

62 100

64 31.3 26.2 39.2





#5

Bromomethane

Concen: 21.109 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

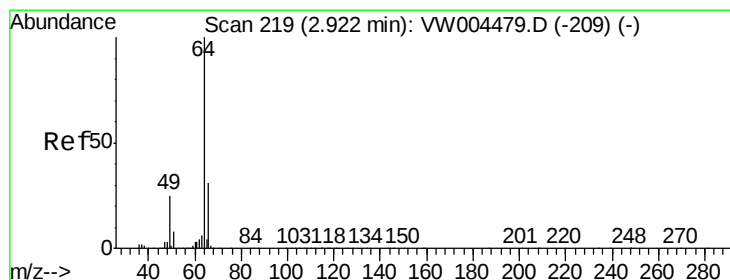
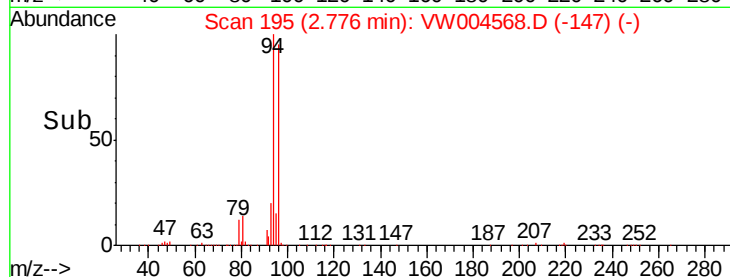
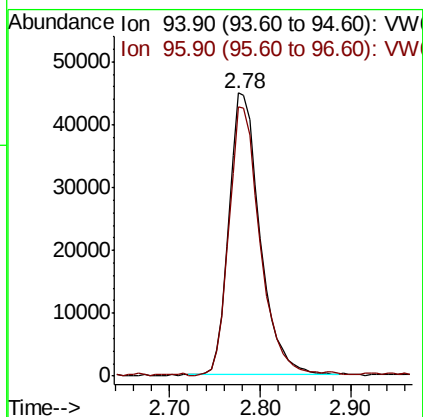
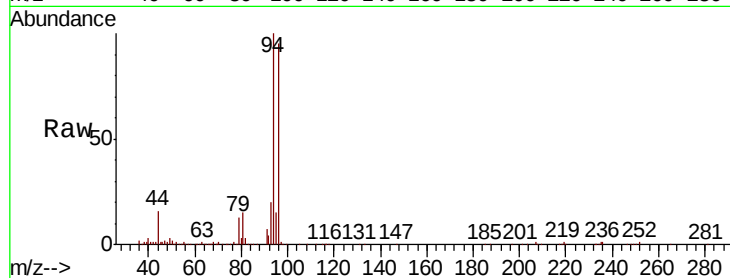
VW0812SBS01

Tgt Ion: 94 Resp: 106477

Ion Ratio Lower Upper

94 100

96 95.4 72.9 109.3



#6

Chloroethane

Concen: 20.850 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004568.D

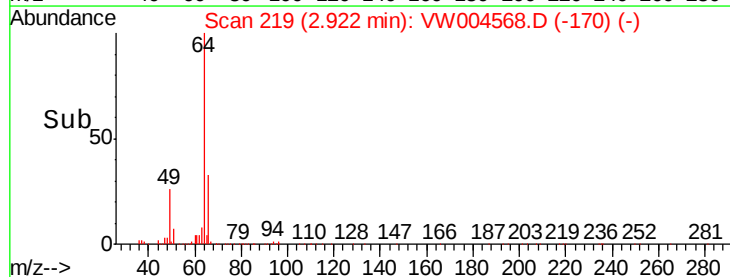
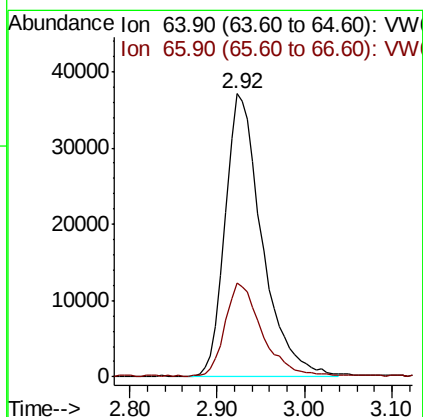
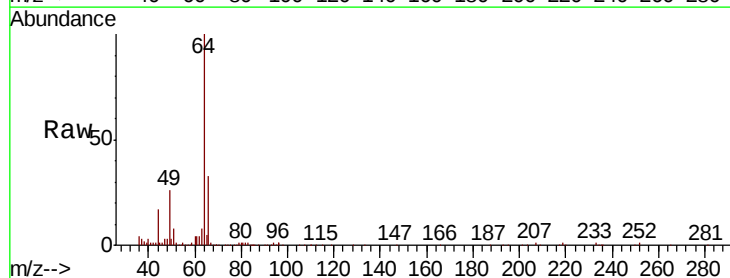
Acq: 09 Aug 2018 23:26

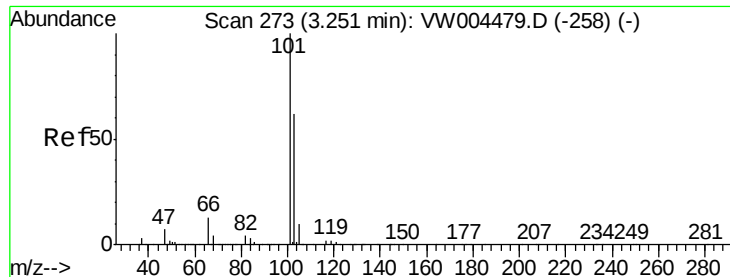
Tgt Ion: 64 Resp: 107930

Ion Ratio Lower Upper

64 100

66 33.2 24.6 36.8



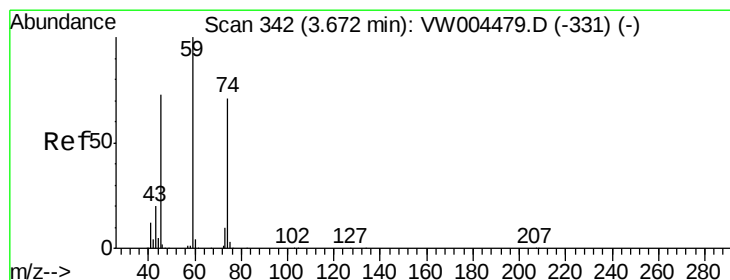
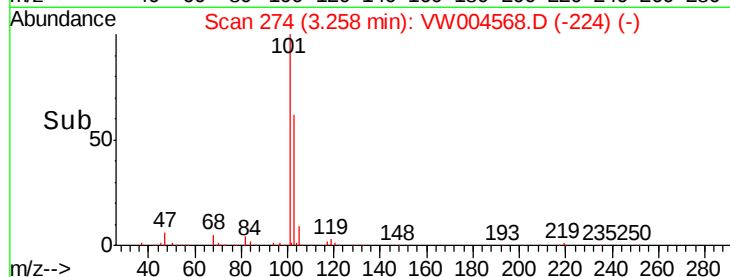
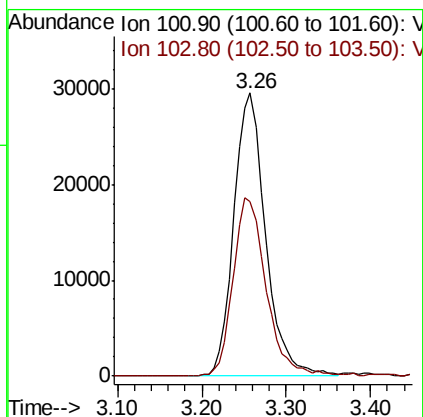
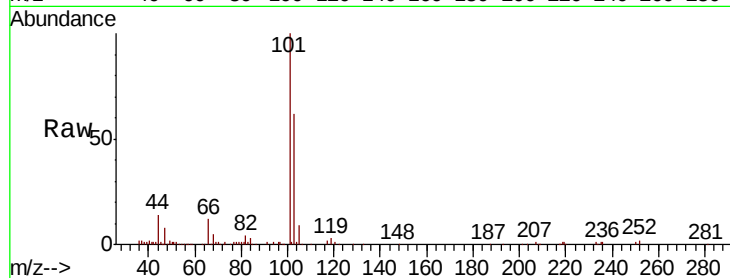


#7

Trichlorofluoromethane
Concen: 23.536 ug/l
RT: 3.26 min Scan# 274
Delta R.T. 0.01 min
Lab File: VW004568.D
Acq: 09 Aug 2018 23:26

Instrument :
MSVOA_W
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VW0812SBS01

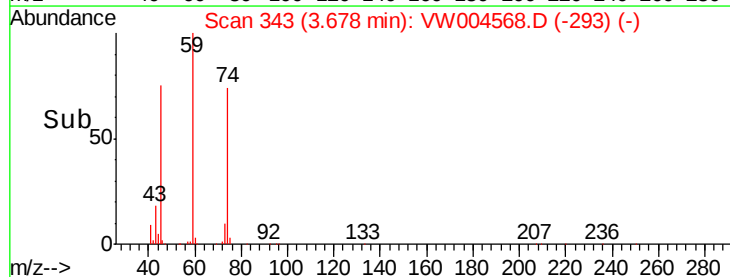
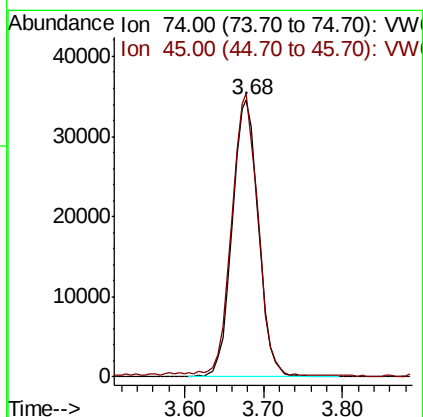
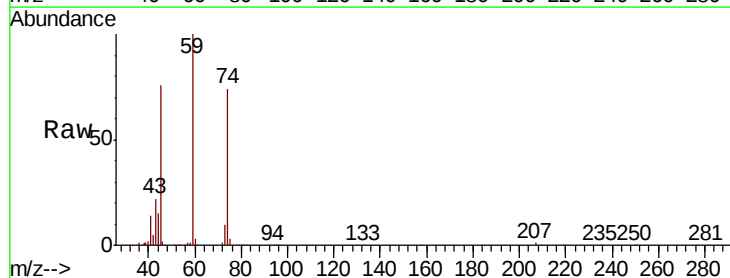
Tgt Ion:101 Resp: 75308
Ion Ratio Lower Upper
101 100
103 61.6 49.8 74.8

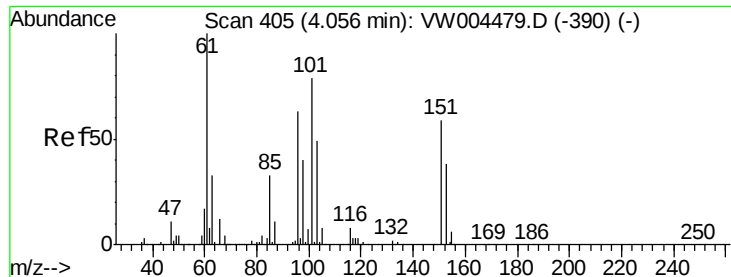


#8

Diethyl Ether
Concen: 19.718 ug/l
RT: 3.68 min Scan# 343
Delta R.T. 0.01 min
Lab File: VW004568.D
Acq: 09 Aug 2018 23:26

Tgt Ion: 74 Resp: 79808
Ion Ratio Lower Upper
74 100
45 101.4 51.2 153.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.615 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

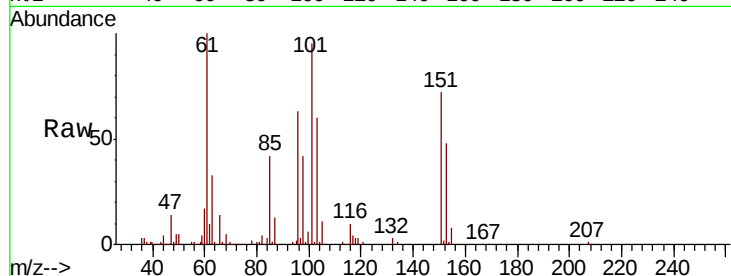
Tgt Ion:101 Resp: 145688

Ion Ratio Lower Upper

101 100

85 41.7 34.6 51.8

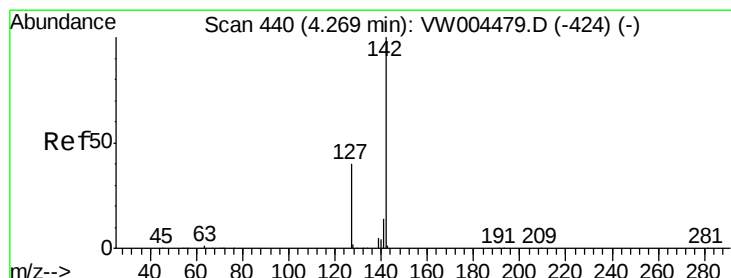
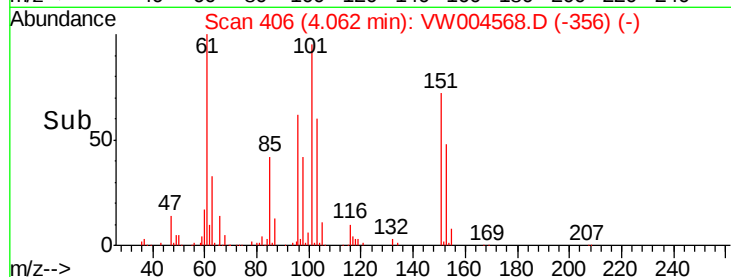
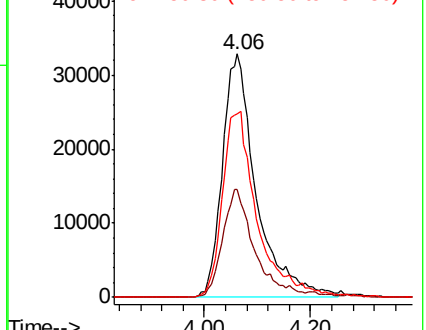
151 78.2 61.3 91.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.573 ug/l

RT: 4.27 min Scan# 440

Delta R.T. 0.00 min

Lab File: VW004568.D

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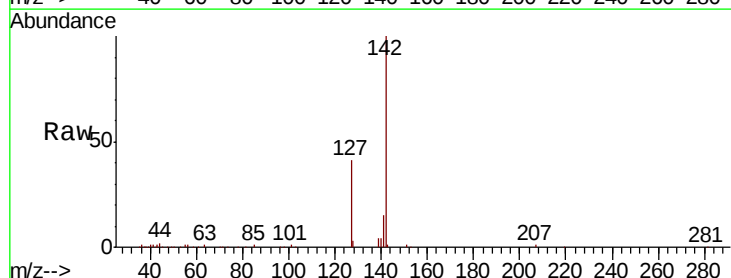
Tgt Ion:142 Resp: 218141

Ion Ratio Lower Upper

142 100

127 42.5 32.7 49.1

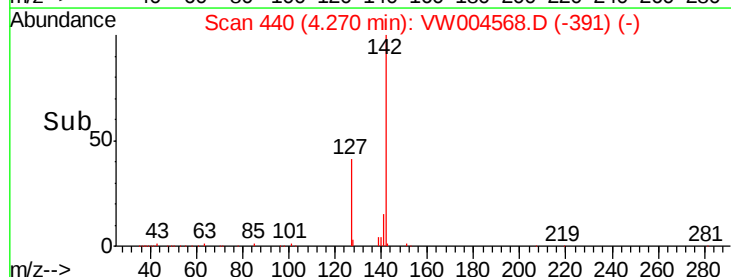
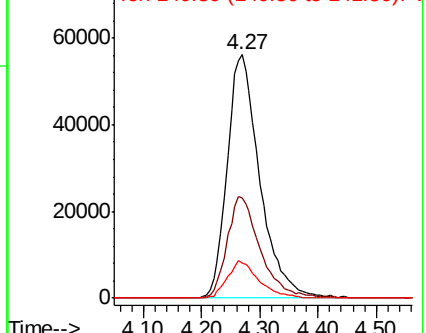
141 14.7 11.5 17.3

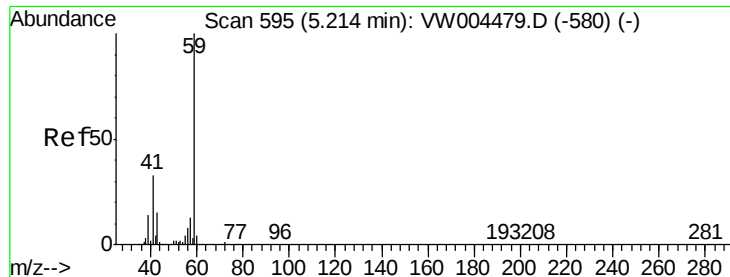


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 86.164 ug/l

RT: 5.20 min Scan# 593

Delta R.T. -0.01 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

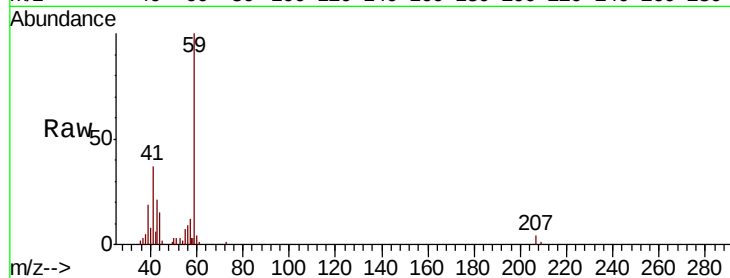
VW0812SBS01

Tgt Ion: 59 Resp: 36225

Ion Ratio Lower Upper

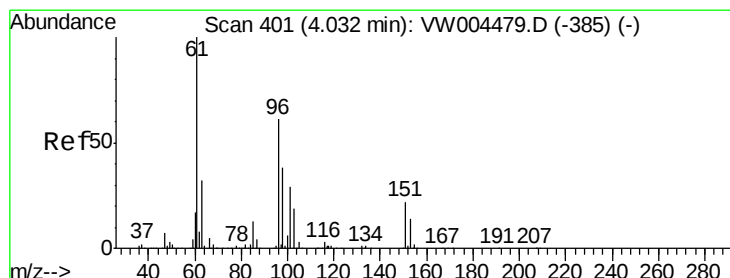
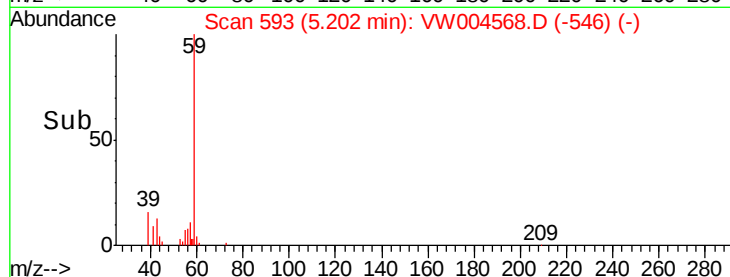
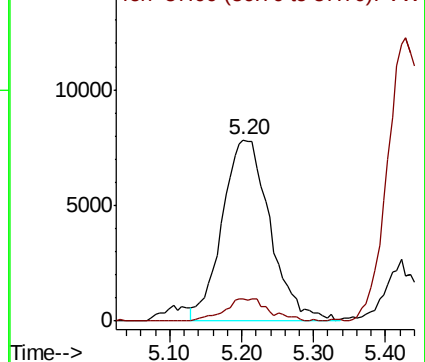
59 100

57 11.5 9.1 13.7



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 20.042 ug/l

RT: 4.04 min Scan# 402

Delta R.T. 0.01 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

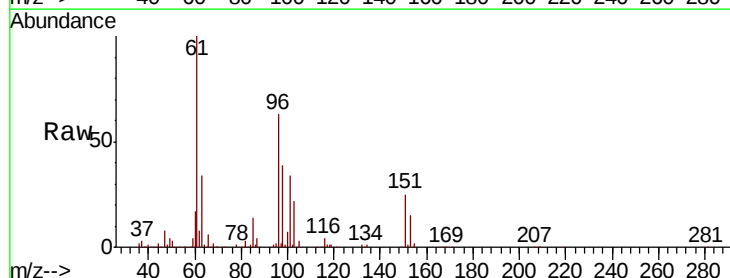
Tgt Ion: 96 Resp: 142561

Ion Ratio Lower Upper

96 100

61 159.6 130.6 195.8

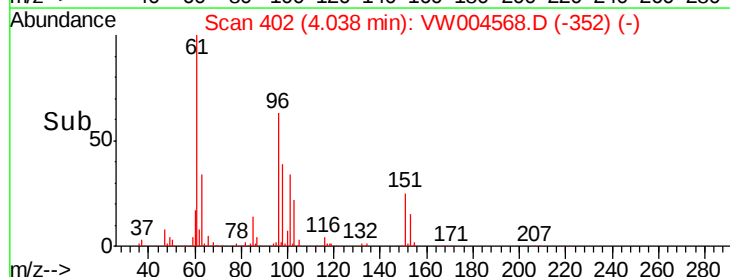
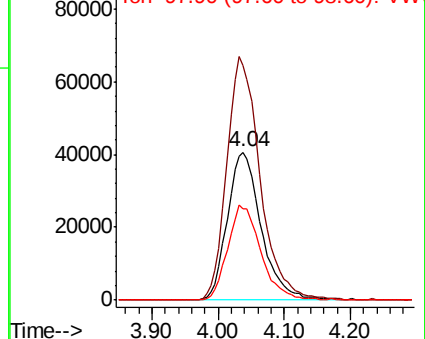
98 62.3 49.6 74.4

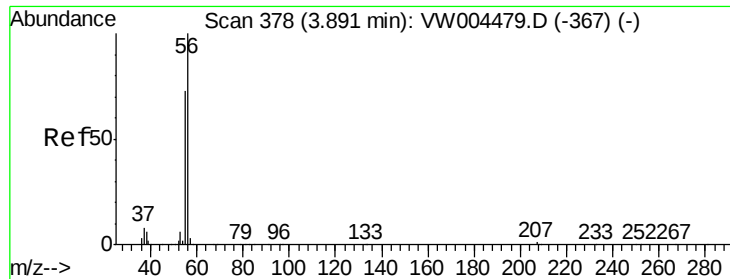


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 90.208 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

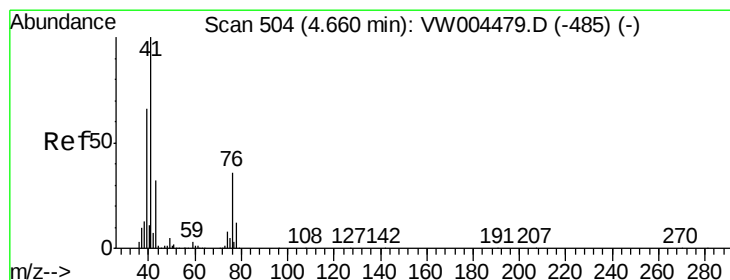
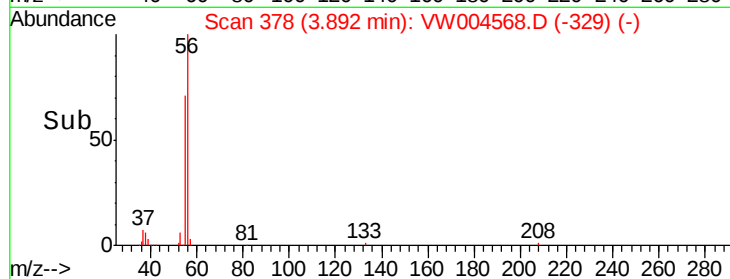
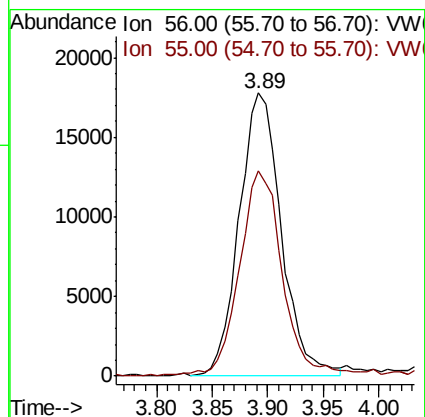
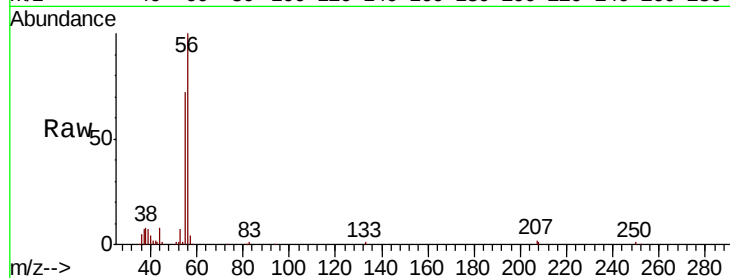
VW0812SBS01

Tgt Ion: 56 Resp: 46468

Ion Ratio Lower Upper

56 100

55 74.6 56.7 85.1



#14

Allyl chloride

Concen: 20.849 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.01 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

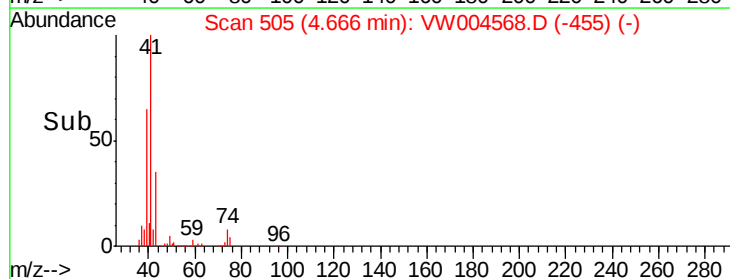
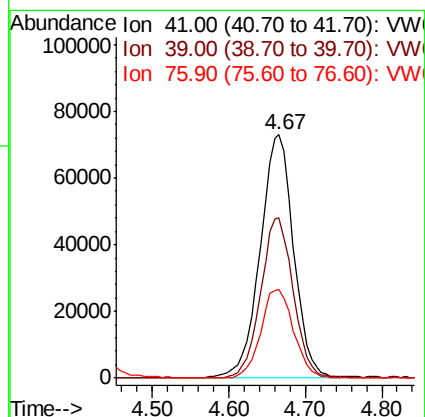
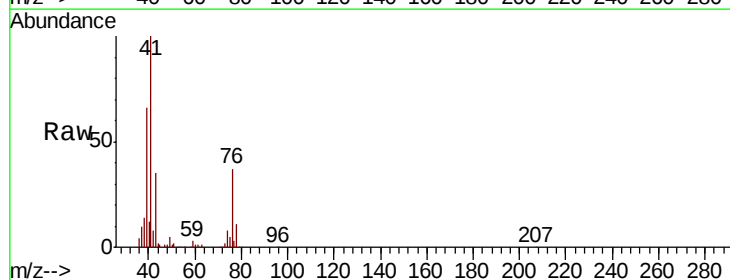
Tgt Ion: 41 Resp: 222822

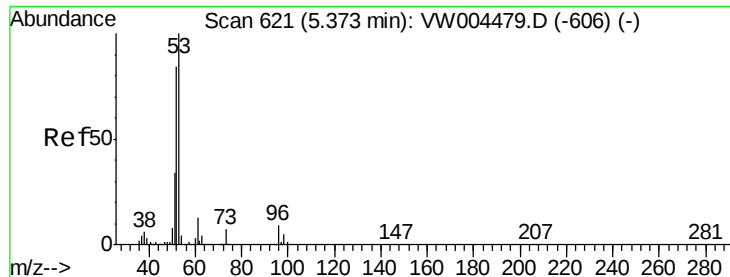
Ion Ratio Lower Upper

41 100

39 63.7 51.9 77.9

76 35.7 29.0 43.6





#15

Acrylonitrile

Concen: 93.158 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

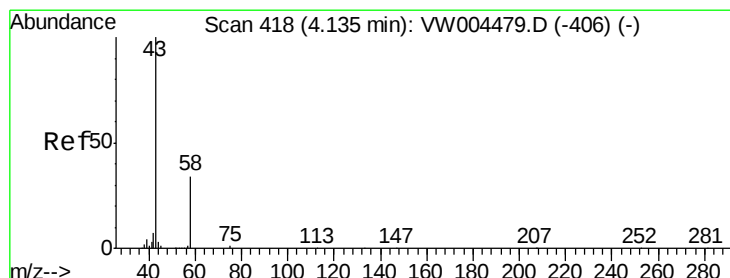
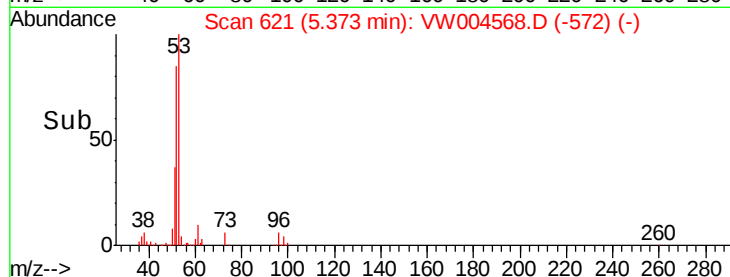
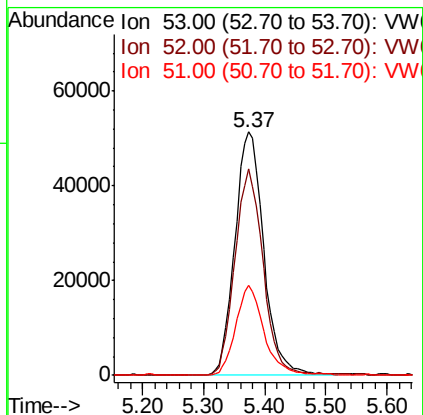
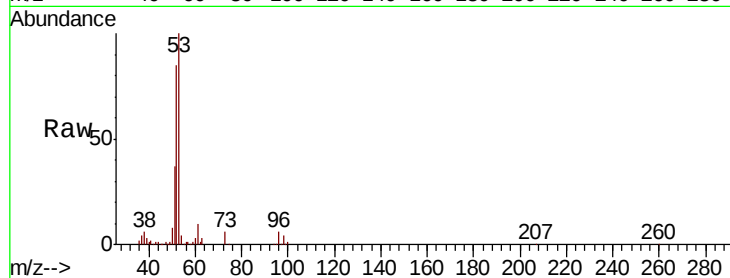
Tgt Ion: 53 Resp: 167563

Ion Ratio Lower Upper

53 100

52 82.5 66.5 99.7

51 36.4 28.4 42.6



#16

Acetone

Concen: 96.064 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

Lab File: VW004568.D

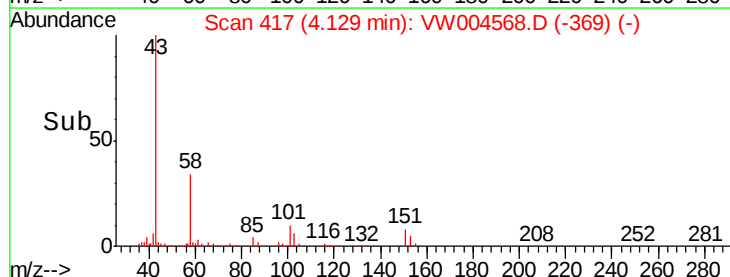
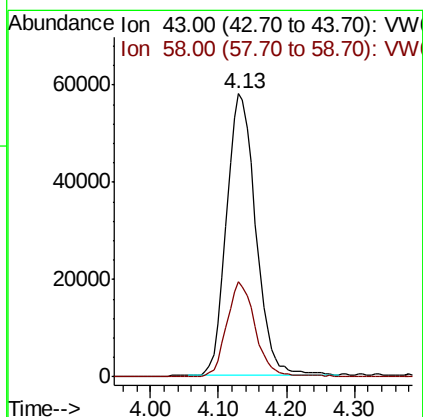
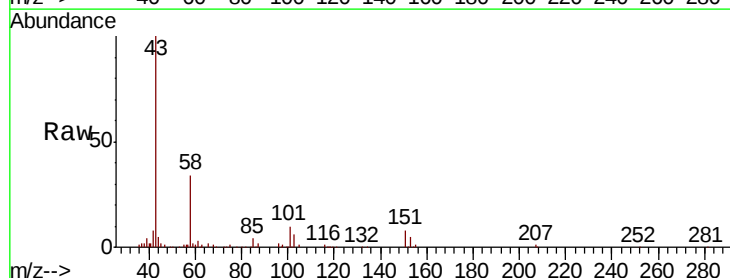
Acq: 09 Aug 2018 23:26

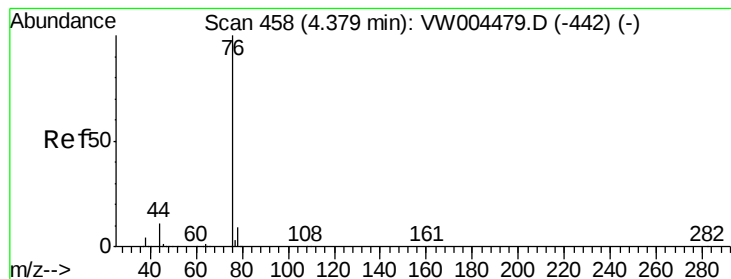
Tgt Ion: 43 Resp: 172259

Ion Ratio Lower Upper

43 100

58 33.5 26.8 40.2





#17

Carbon Disulfide

Concen: 20.743 ug/l

RT: 4.38 min Scan# 458

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

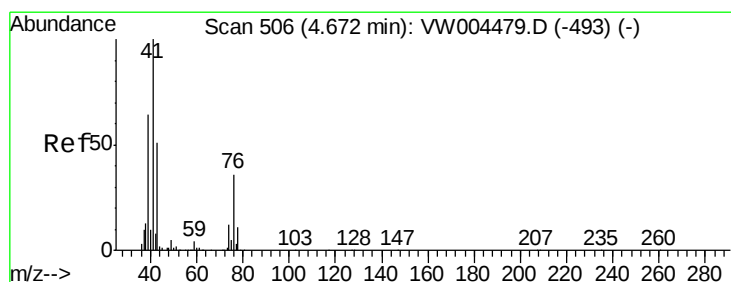
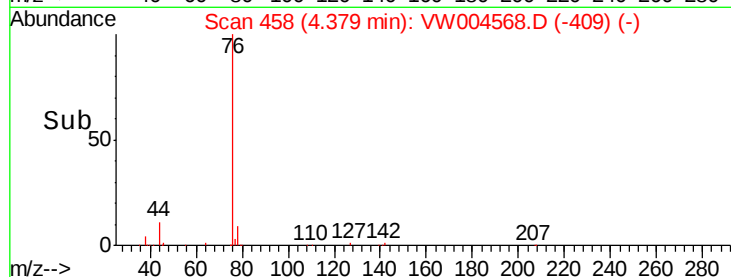
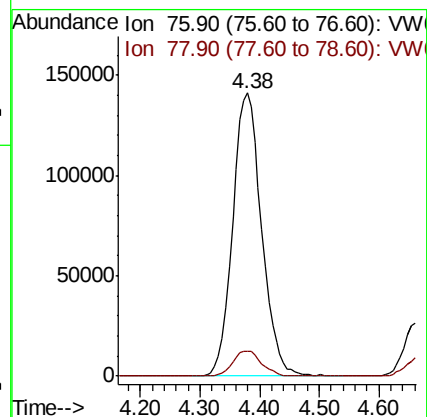
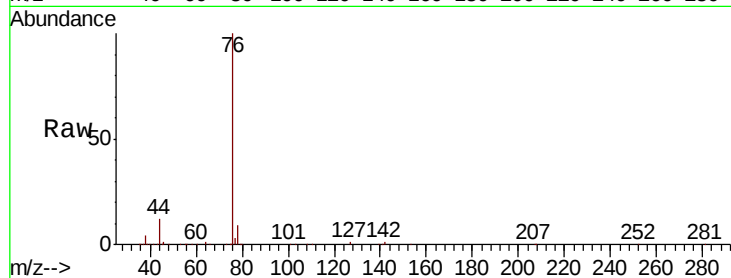
VW0812SBS01

Tgt Ion: 76 Resp: 474193

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4



#18

Methyl Acetate

Concen: 18.071 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.00 min

Lab File: VW004568.D

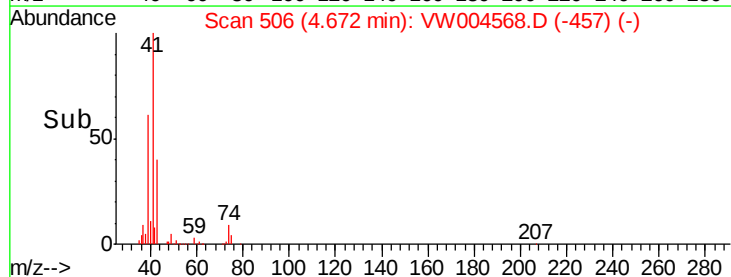
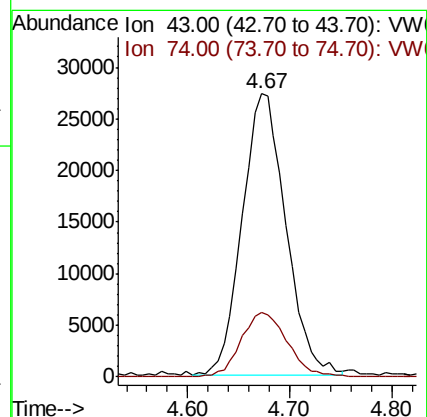
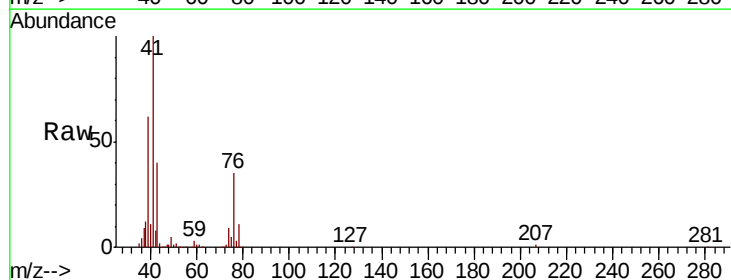
Acq: 09 Aug 2018 23:26

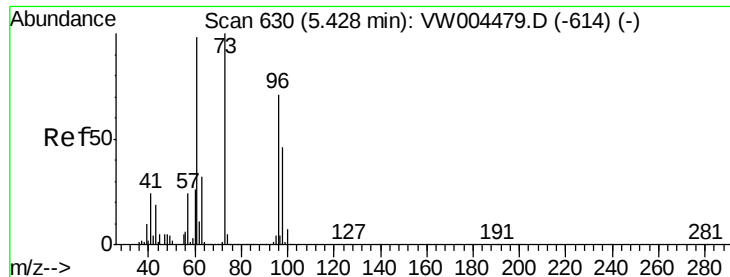
Tgt Ion: 43 Resp: 80801

Ion Ratio Lower Upper

43 100

74 24.5 19.1 28.7



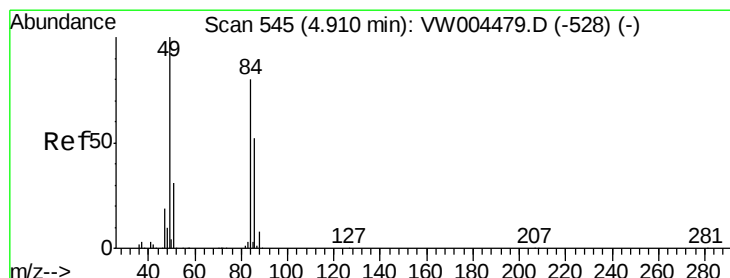
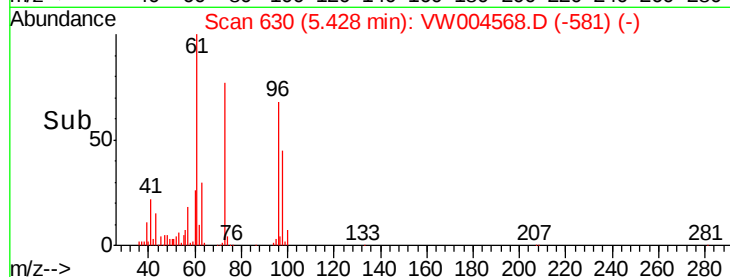
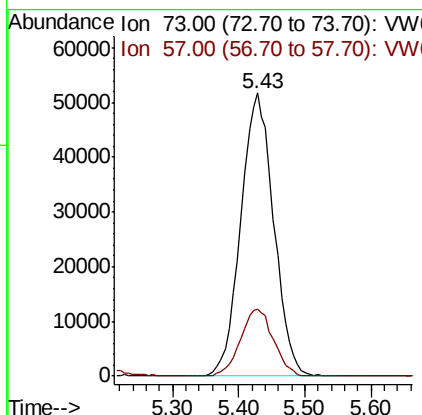
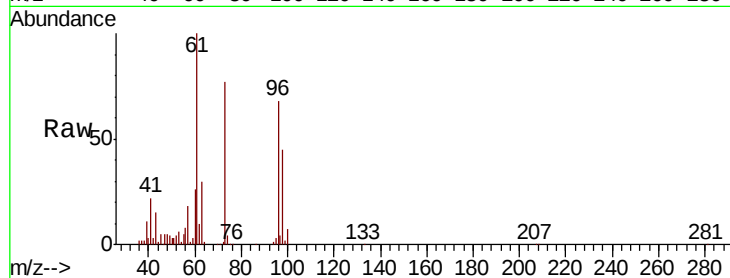


#19

Methyl tert-butyl Ether
 Concen: 18.436 ug/l
 RT: 5.43 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VW004568.D
 Acq: 09 Aug 2018 23:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS01

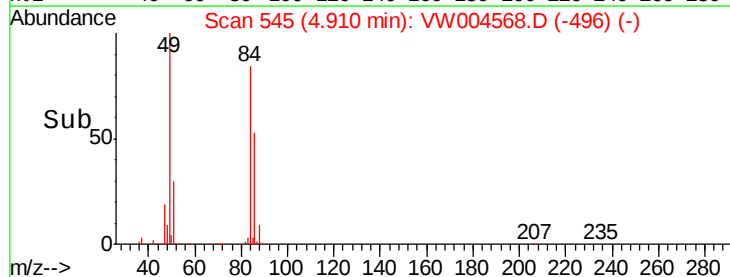
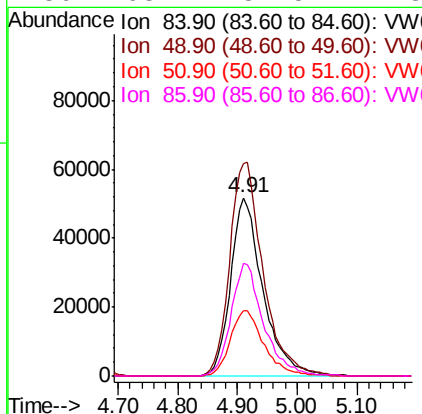
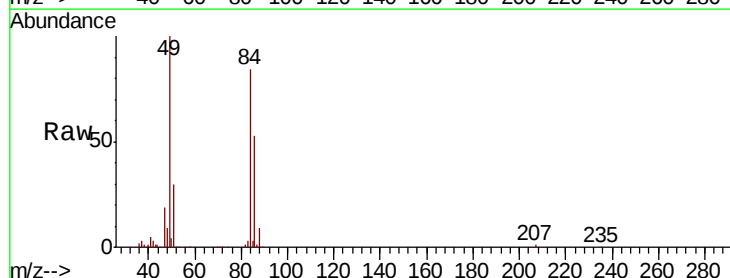
Tgt Ion: 73 Resp: 178881
 Ion Ratio Lower Upper
 73 100
 57 23.7 19.6 29.4

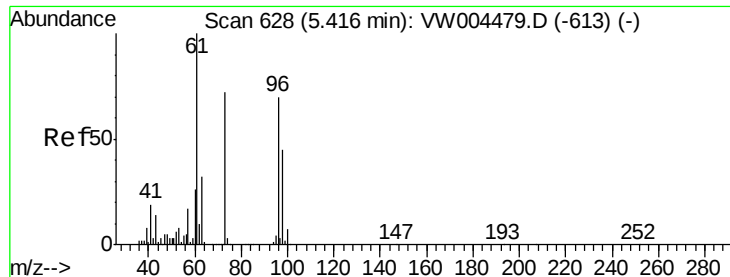


#20

Methylene Chloride
 Concen: 16.244 ug/l
 RT: 4.91 min Scan# 545
 Delta R.T. 0.00 min
 Lab File: VW004568.D
 Acq: 09 Aug 2018 23:26

Tgt Ion: 84 Resp: 194661
 Ion Ratio Lower Upper
 84 100
 49 119.5 99.6 149.4
 51 36.2 31.0 46.4
 86 63.2 51.5 77.3

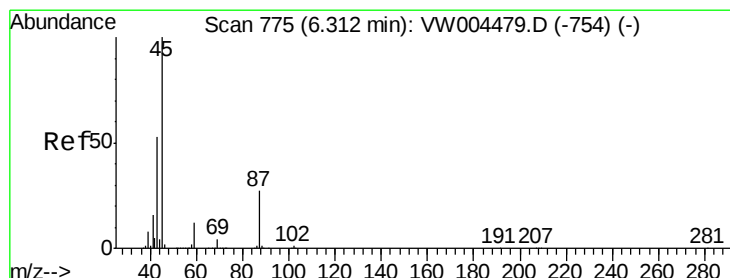
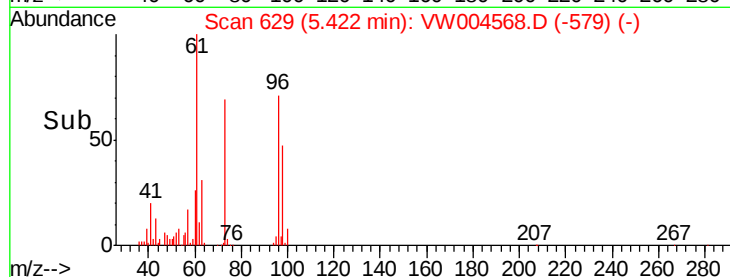
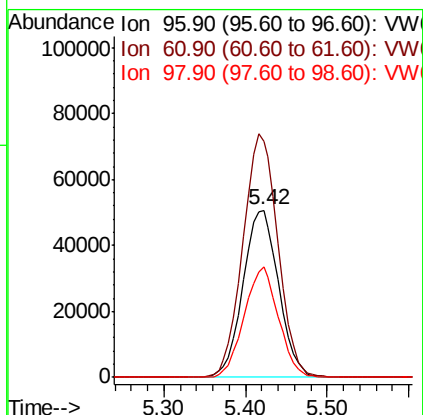
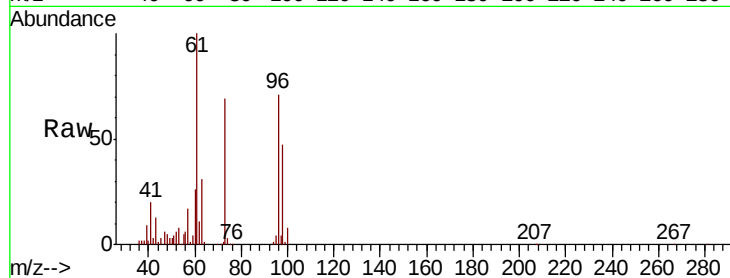




#21
trans-1,2-Dichloroethene
Concen: 20.076 ug/l
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW004568.D
Acq: 09 Aug 2018 23:26

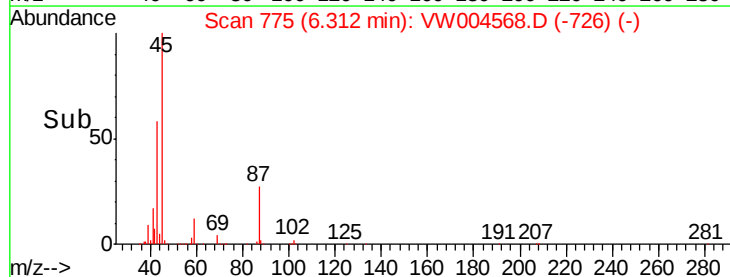
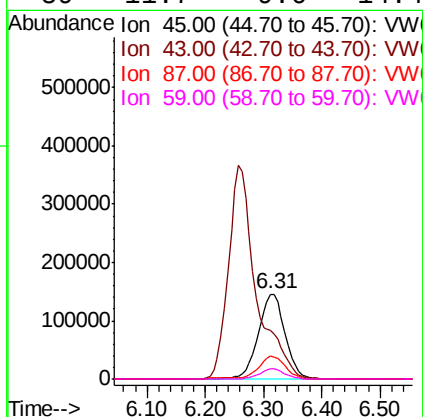
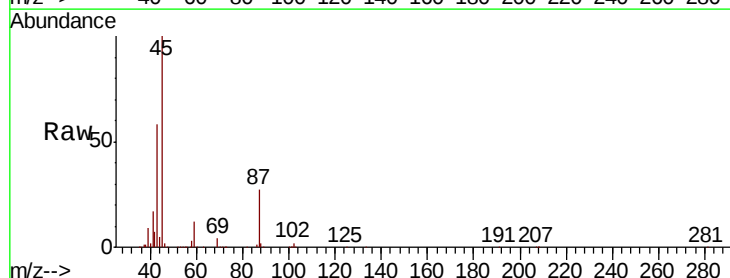
Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

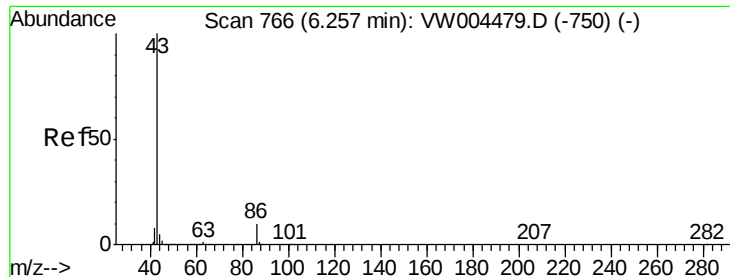
Tgt Ion: 96 Resp: 153899
Ion Ratio Lower Upper
96 100
61 141.4 114.1 171.1
98 65.9 51.4 77.2



#22
Diisopropyl ether
Concen: 21.113 ug/l
RT: 6.31 min Scan# 775
Delta R.T. 0.00 min
Lab File: VW004568.D
Acq: 09 Aug 2018 23:26

Tgt Ion: 45 Resp: 463697
Ion Ratio Lower Upper
45 100
43 57.5 42.4 63.6
87 26.8 21.6 32.4
59 11.7 9.6 14.4





#23

Vinyl Acetate

Concen: 91.998 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

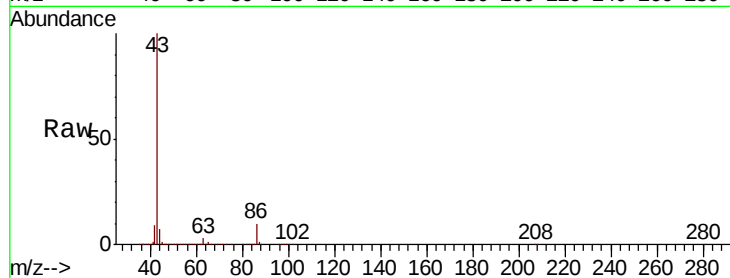
VW0812SBS01

Tgt Ion: 43 Resp: 1214320

Ion Ratio Lower Upper

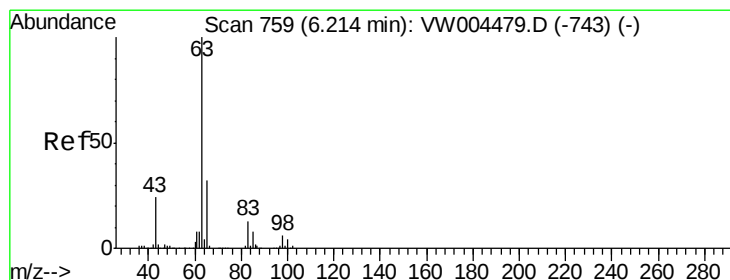
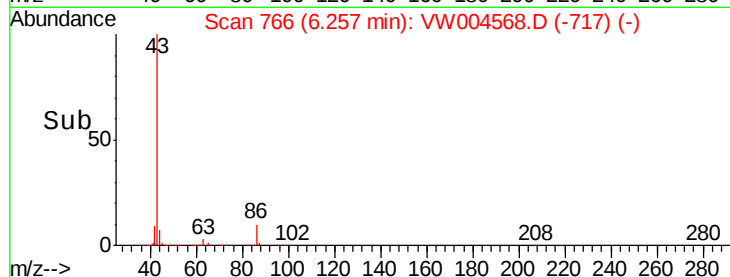
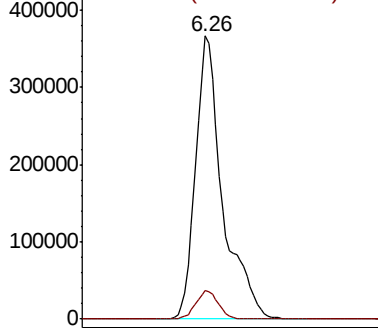
43 100

86 10.2 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.370 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

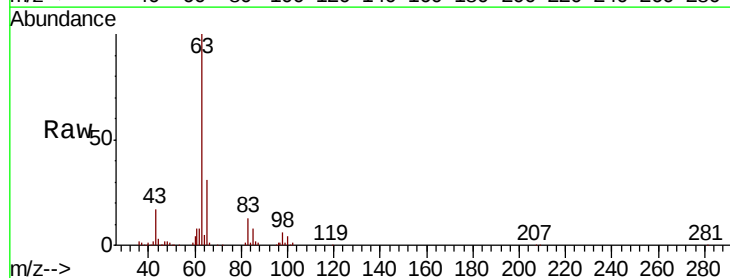
Tgt Ion: 63 Resp: 286351

Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.3

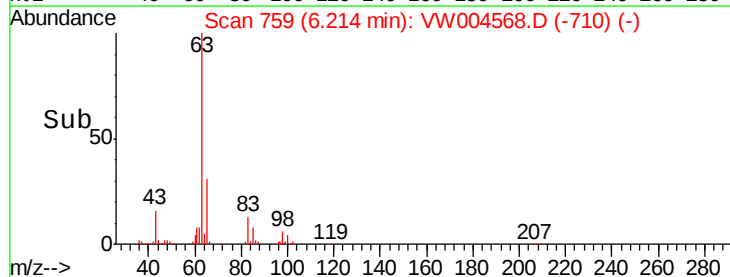
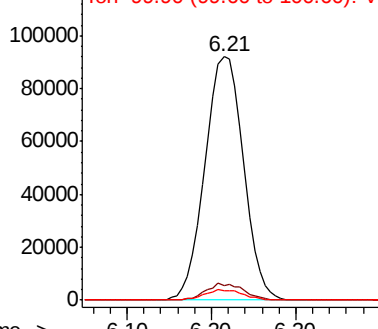
100 3.8 2.1 6.5

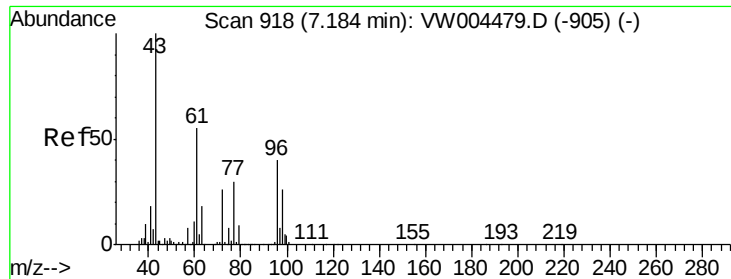


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 87.501 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampled :

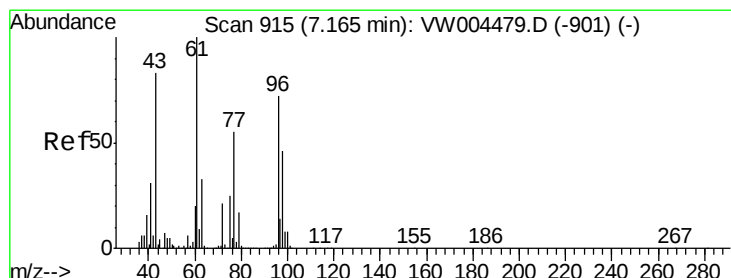
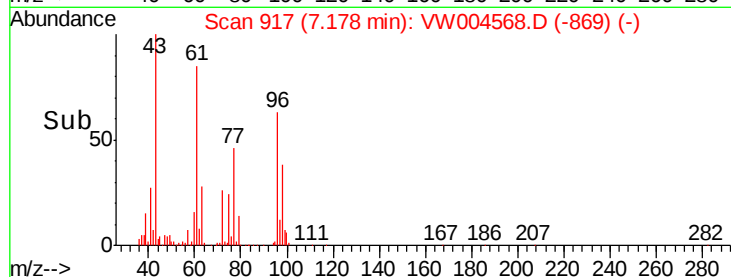
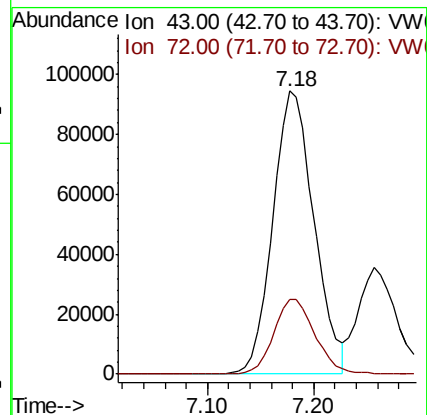
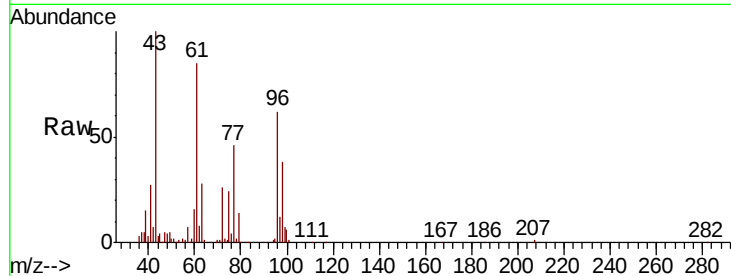
VW0812SBS01

Tgt Ion: 43 Resp: 252394

Ion Ratio Lower Upper

43 100

72 26.4 21.0 31.6



#26

2,2-Dichloropropane

Concen: 19.886 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW004568.D

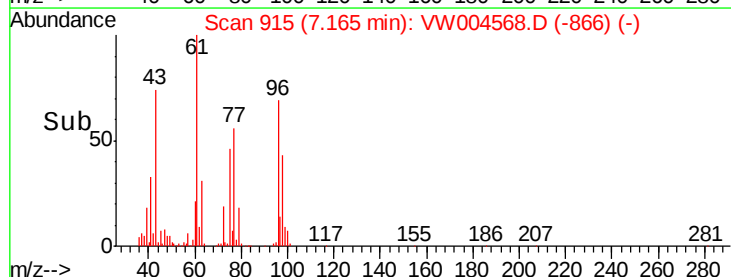
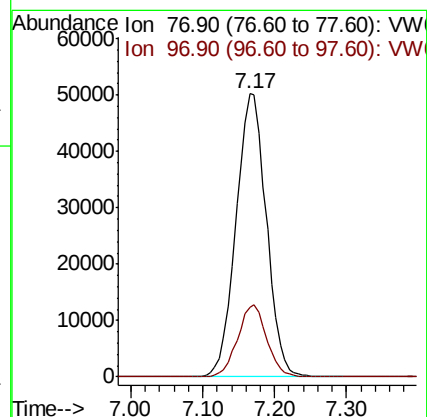
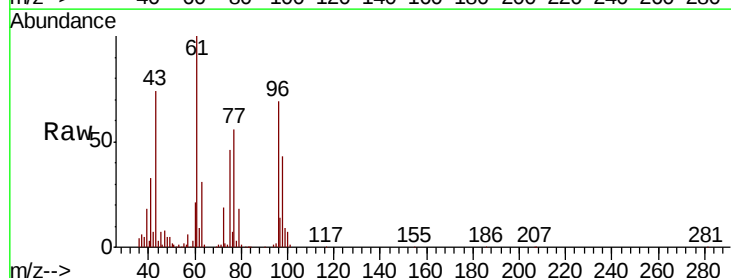
Acq: 09 Aug 2018 23:26

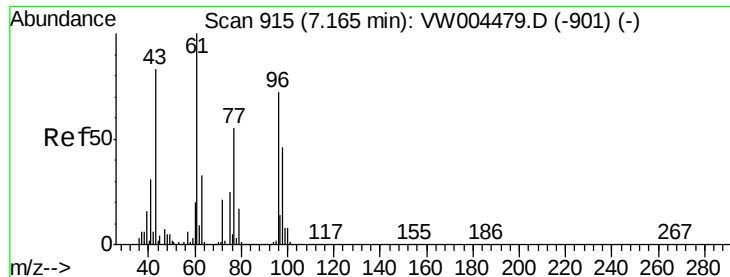
Tgt Ion: 77 Resp: 146720

Ion Ratio Lower Upper

77 100

97 24.5 12.5 37.5



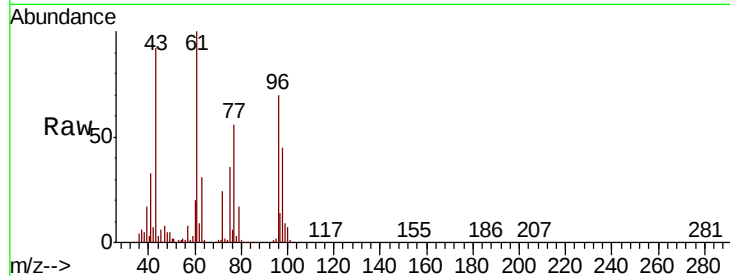


#27

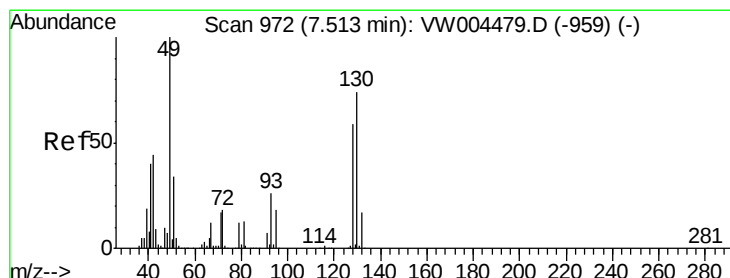
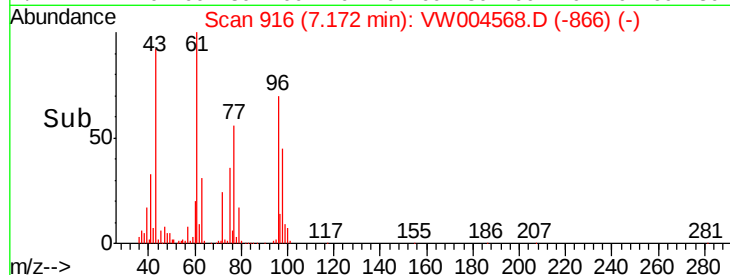
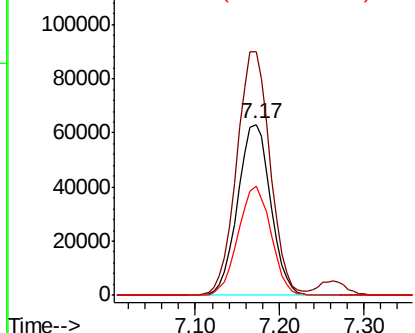
cis-1,2-Dichloroethene
 Concen: 20.249 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VW004568.D
 Acq: 09 Aug 2018 23:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS01

Tgt Ion: 96 Resp: 167005
 Ion Ratio Lower Upper
 96 100
 61 143.8 0.0 285.0
 98 63.7 0.0 128.6



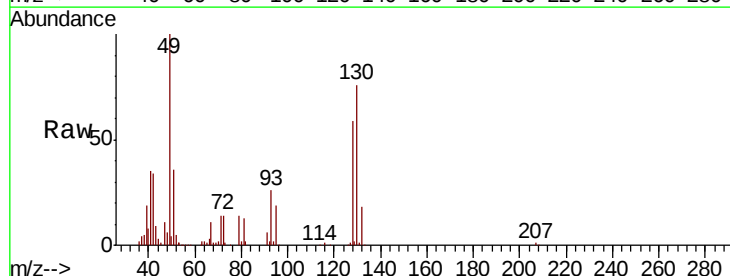
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



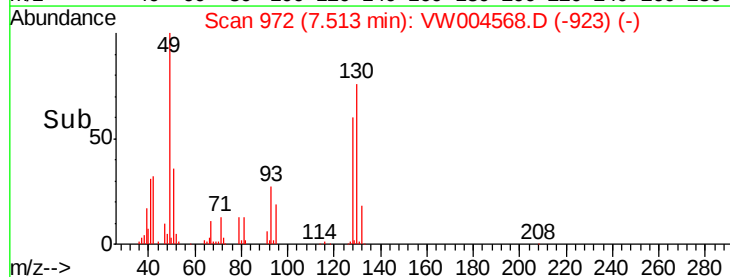
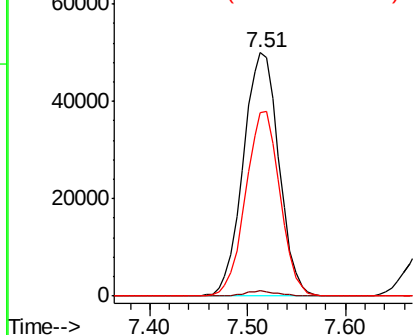
#28

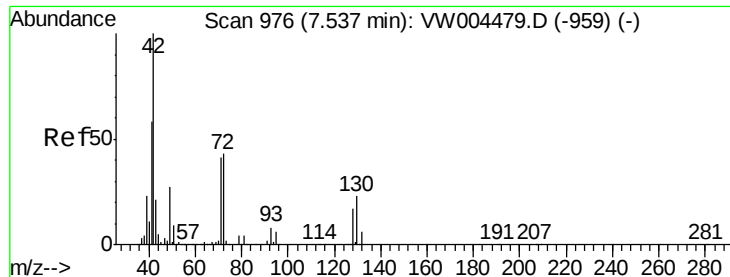
Bromochloromethane
 Concen: 20.775 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004568.D
 Acq: 09 Aug 2018 23:26

Tgt Ion: 49 Resp: 127069
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.0
 130 73.3 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: 85.725 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

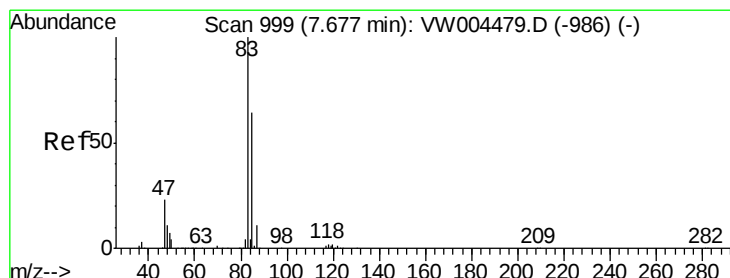
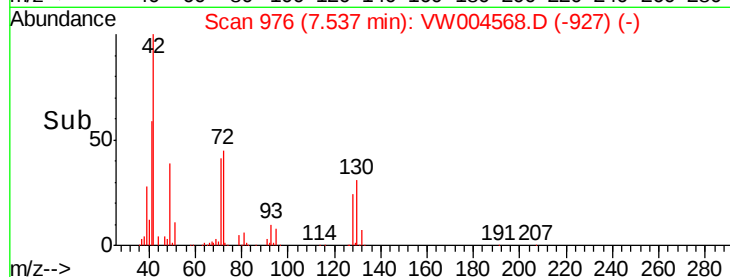
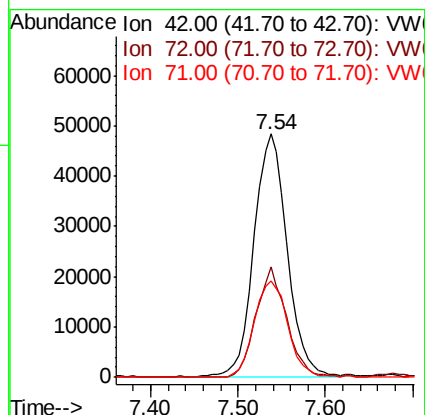
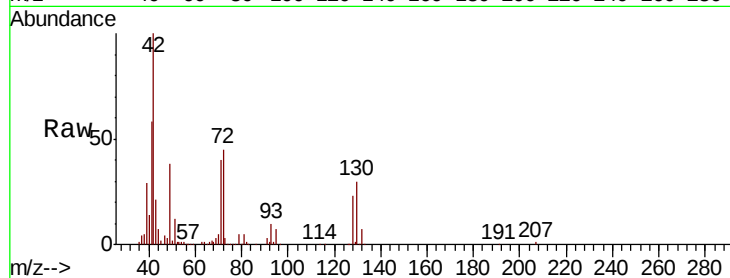
Tgt Ion: 42 Resp: 127833

Ion Ratio Lower Upper

42 100

72 42.4 34.1 51.1

71 40.2 32.5 48.7



#30

Chloroform

Concen: 20.634 ug/l

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004568.D

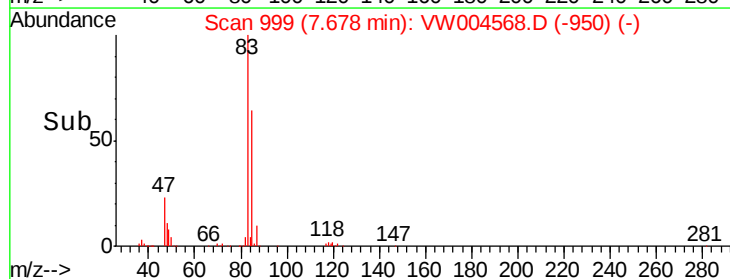
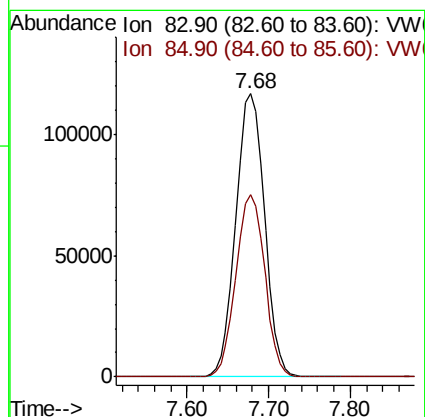
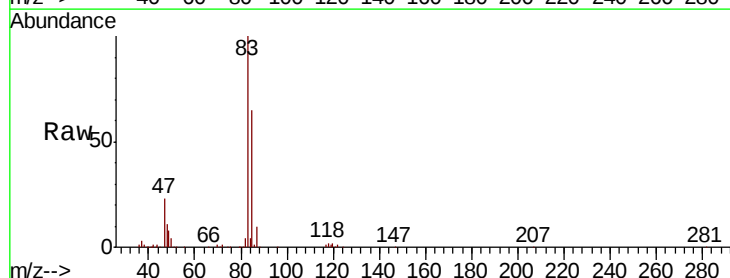
Acq: 09 Aug 2018 23:26

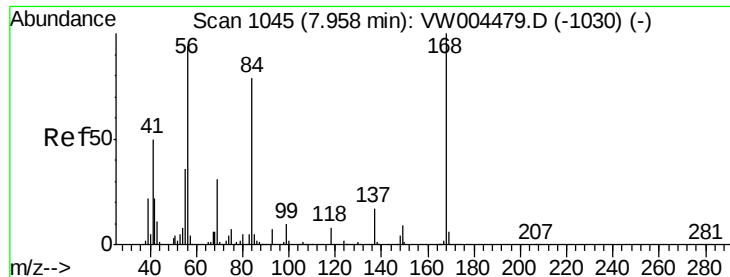
Tgt Ion: 83 Resp: 284902

Ion Ratio Lower Upper

83 100

85 64.6 51.3 76.9

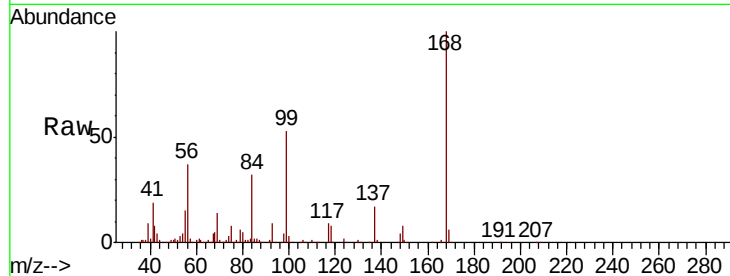




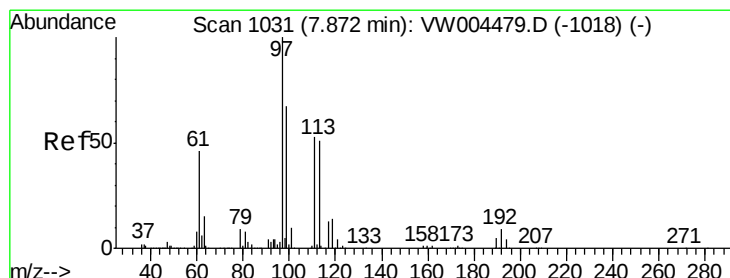
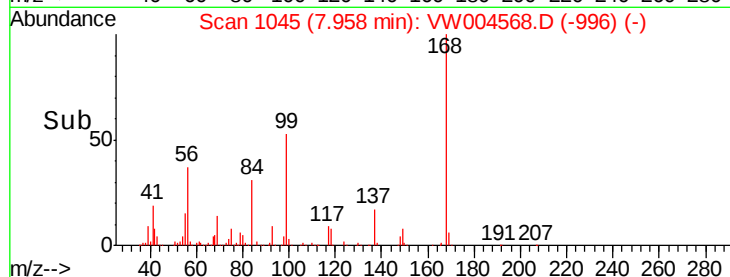
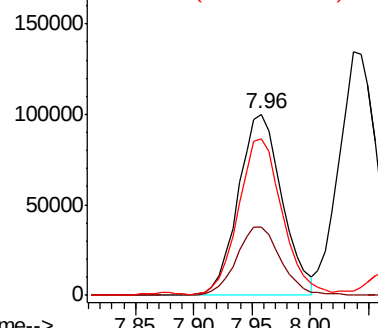
#31
Cyclohexane
Concen: 19.388 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004568.D
Acq: 09 Aug 2018 23:26

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

Tgt Ion: 56 Resp: 260779
Ion Ratio Lower Upper
56 100
69 37.3 26.4 39.6
84 84.6 66.9 100.3

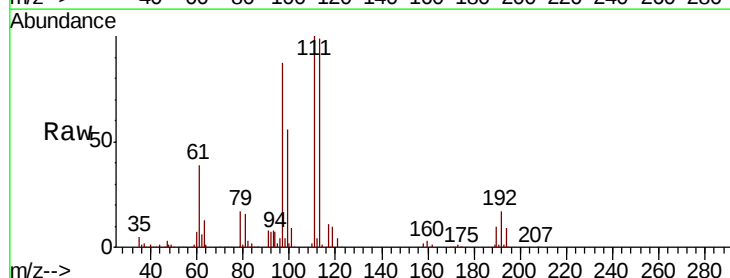


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

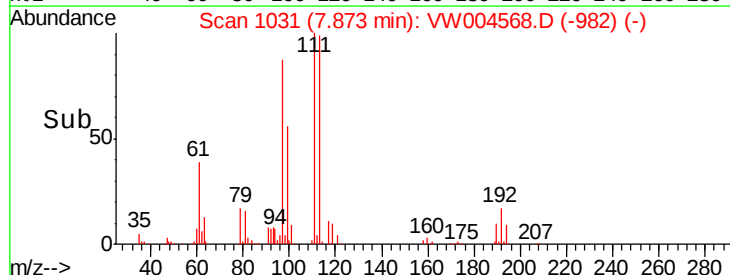
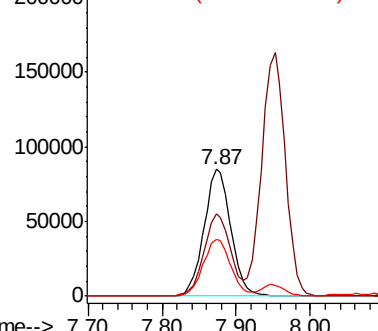


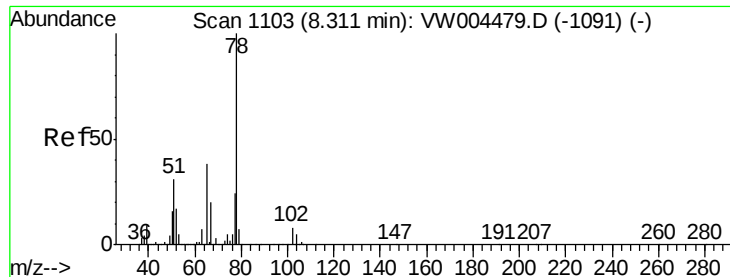
#32
1,1,1-Trichloroethane
Concen: 20.644 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004568.D
Acq: 09 Aug 2018 23:26

Tgt Ion: 97 Resp: 214110
Ion Ratio Lower Upper
97 100
99 64.2 51.6 77.4
61 46.1 35.7 53.5



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

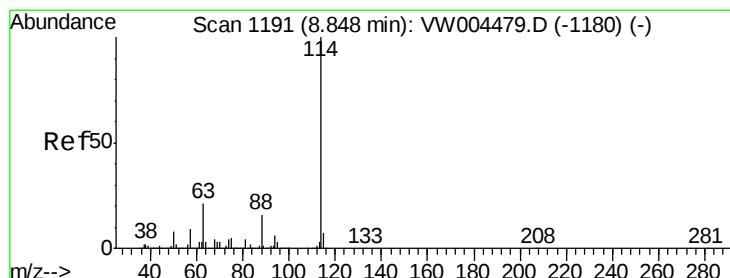
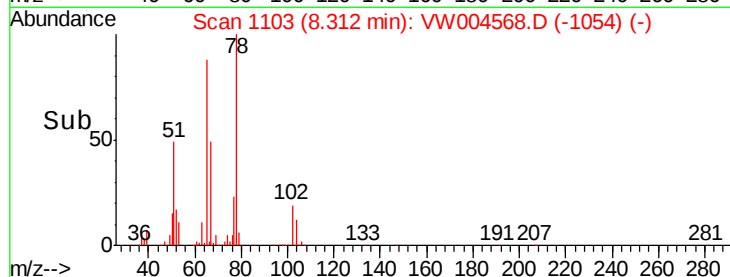
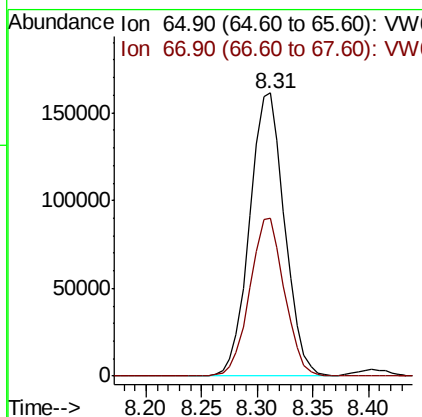
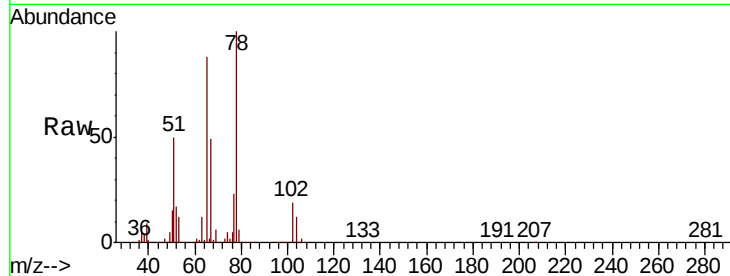




#33
 1,2-Dichloroethane-d4
 Concen: 49.167 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW004568.D
 Acq: 09 Aug 2018 23:26

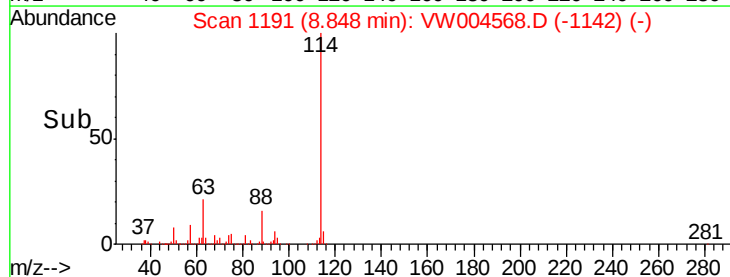
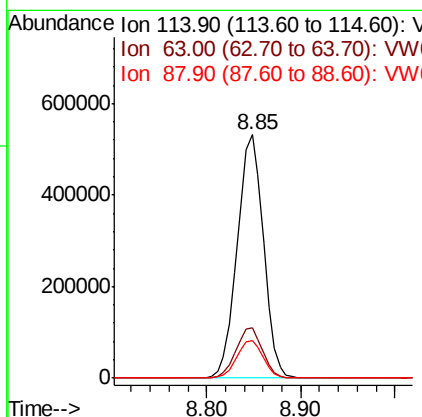
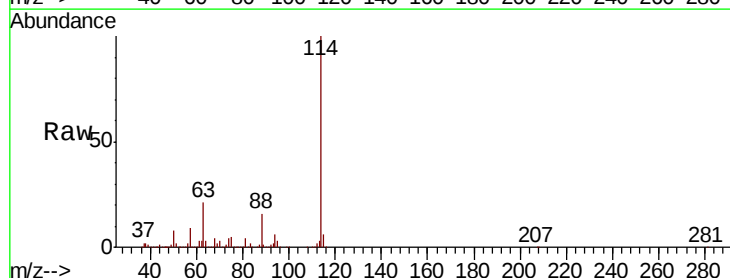
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS01

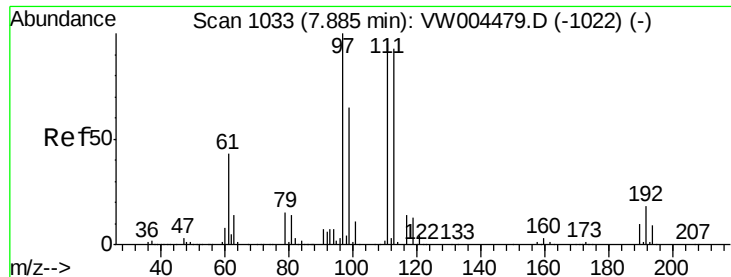
Tgt Ion: 65 Resp: 353037
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004568.D
 Acq: 09 Aug 2018 23:26

Tgt Ion: 114 Resp: 1029605
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.4
 88 15.7 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.244 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

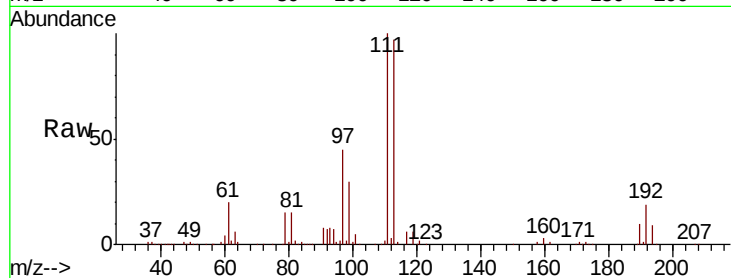
Tgt Ion:113 Resp: 344929

Ion Ratio Lower Upper

113 100

111 102.3 82.9 124.3

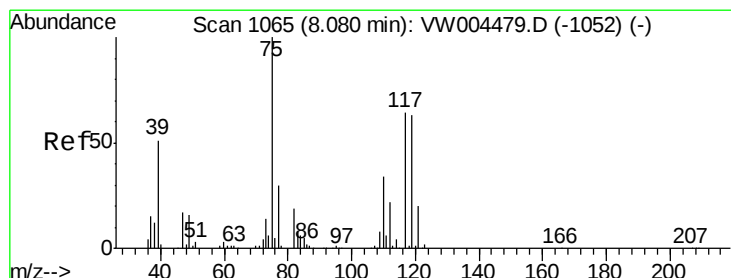
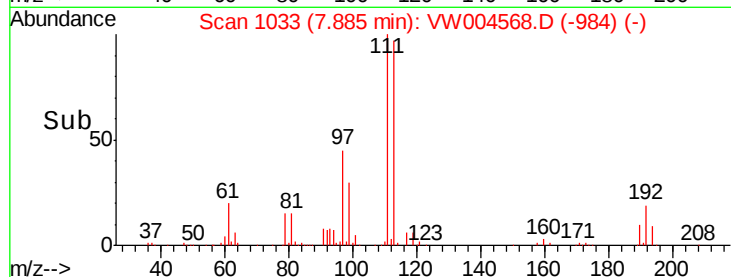
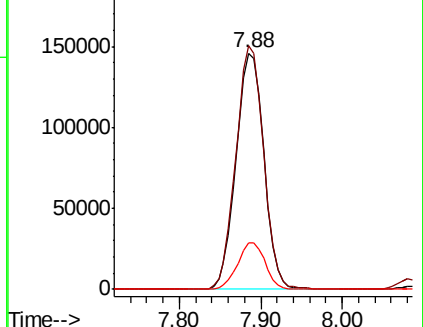
192 19.8 15.8 23.6



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: 19.778 ug/l

RT: 8.09 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

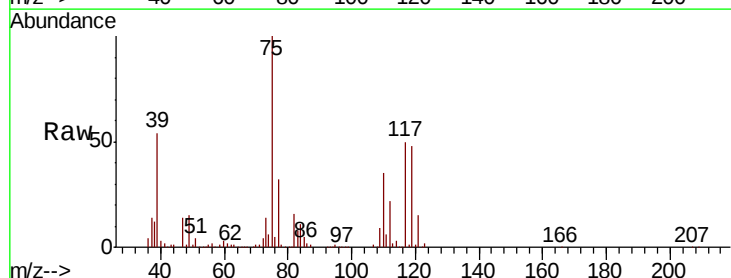
Tgt Ion: 75 Resp: 219256

Ion Ratio Lower Upper

75 100

110 34.1 17.4 52.2

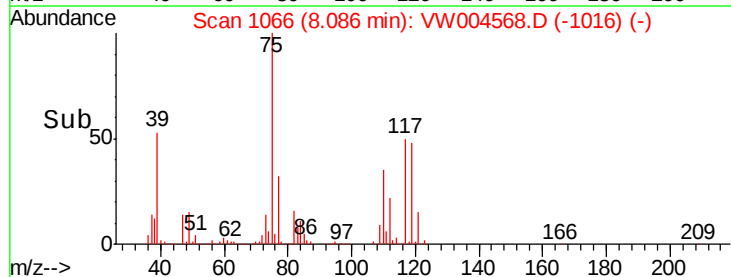
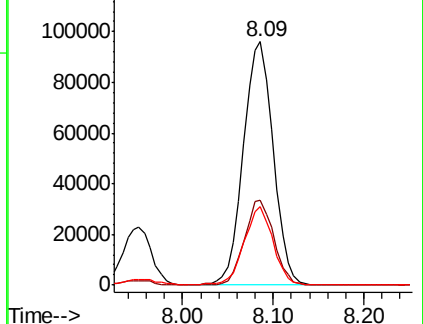
77 31.4 24.7 37.1

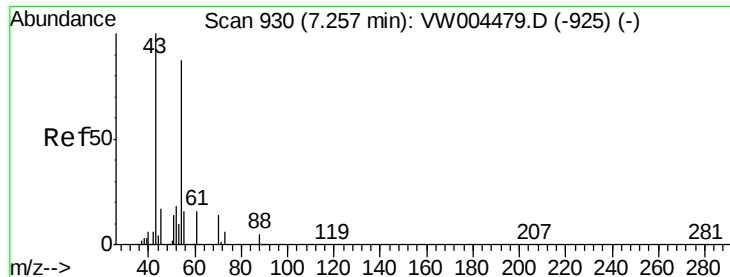


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

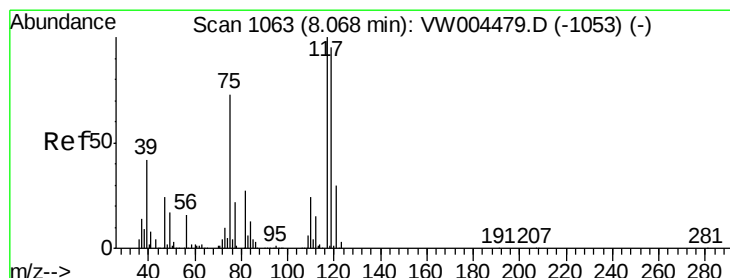
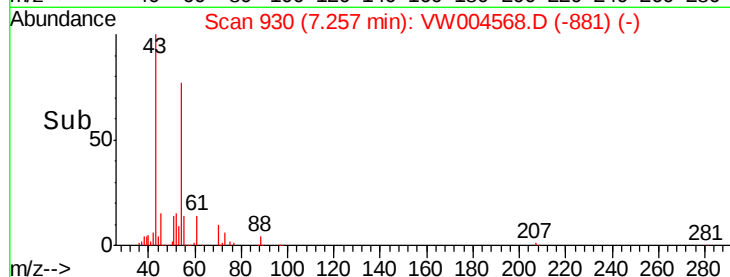
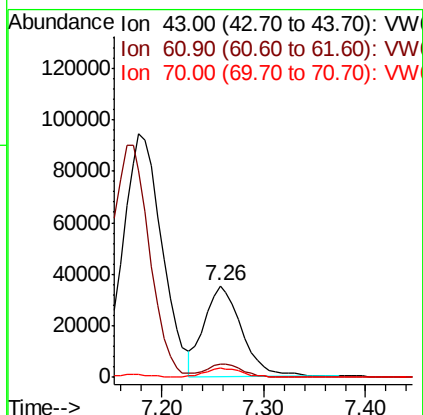
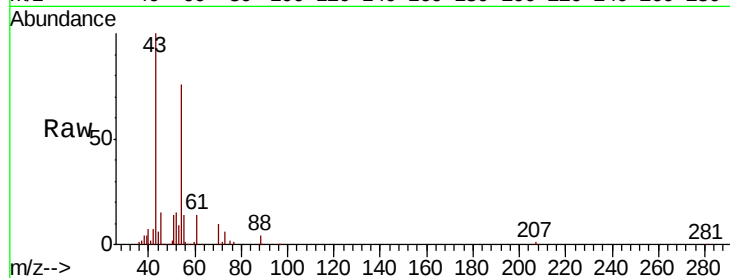




#37
 Ethyl Acetate
 Concen: 17.335 ug/l
 RT: 7.26 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VW004568.D
 Acq: 09 Aug 2018 23:26

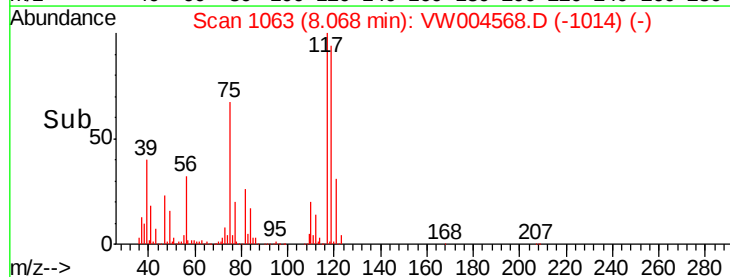
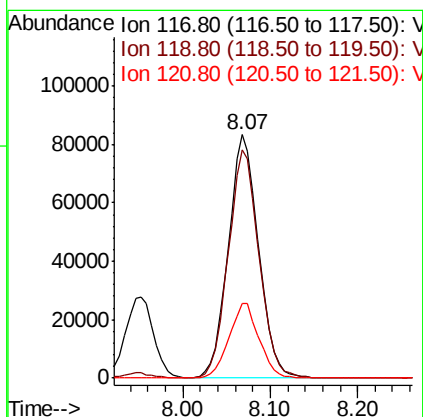
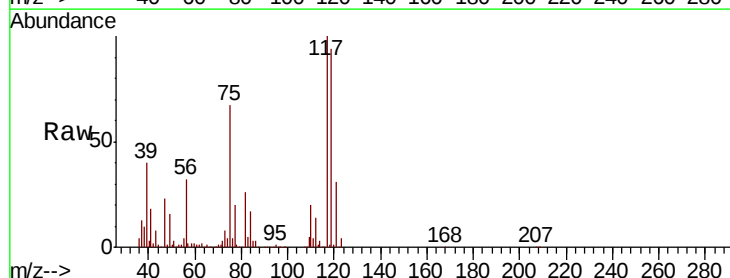
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS01

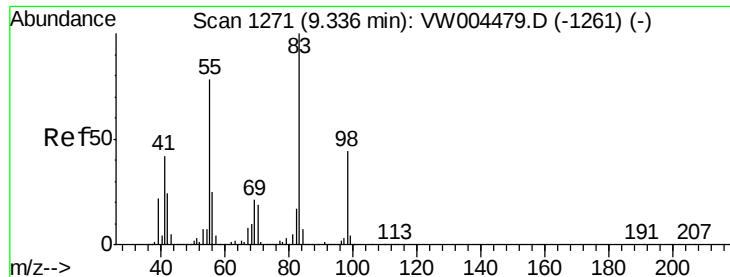
Tgt Ion: 43 Resp: 90003
 Ion Ratio Lower Upper
 43 100
 61 14.3 11.9 17.9
 70 9.9 8.2 12.4



#38
 Carbon Tetrachloride
 Concen: 20.083 ug/l
 RT: 8.07 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VW004568.D
 Acq: 09 Aug 2018 23:26

Tgt Ion: 117 Resp: 200349
 Ion Ratio Lower Upper
 117 100
 119 93.8 76.1 114.1
 121 30.6 24.2 36.4

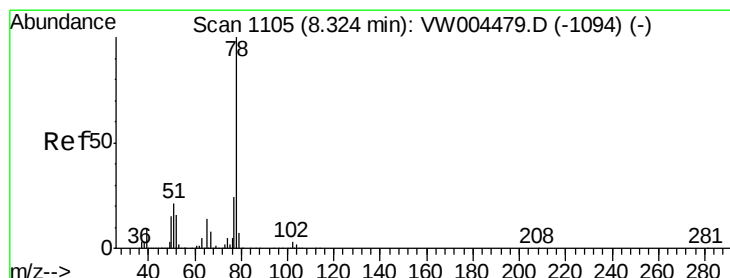
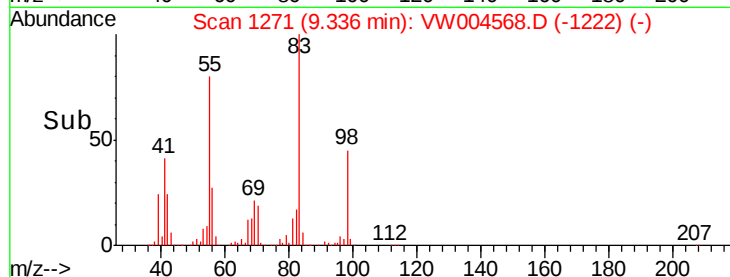
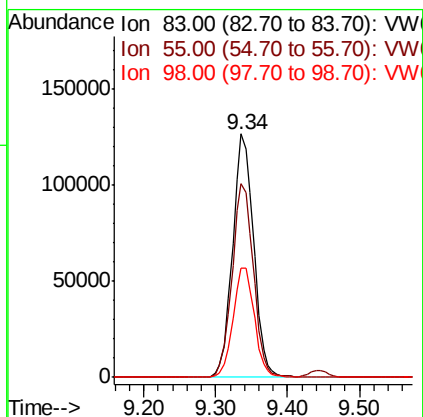
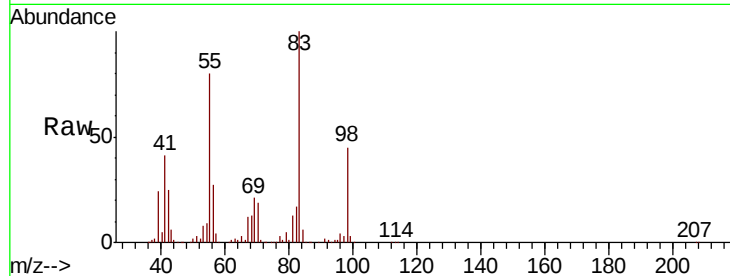




#39
Methylcyclohexane
Concen: 18.993 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004568.D
Acq: 09 Aug 2018 23:26

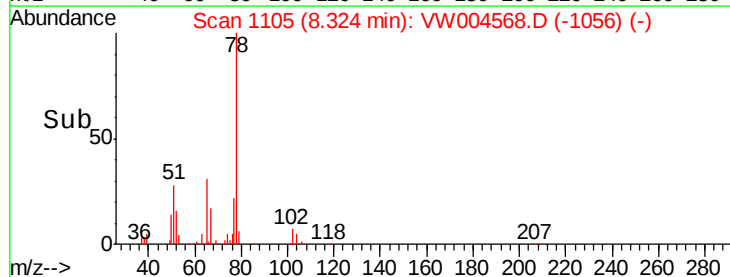
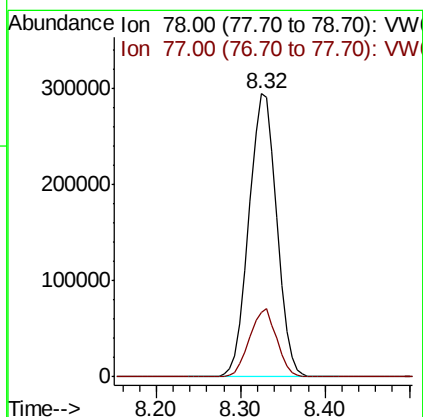
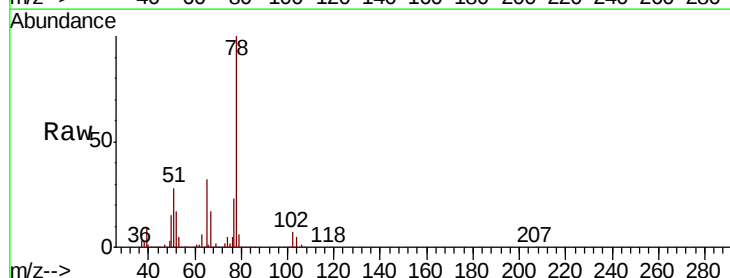
Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

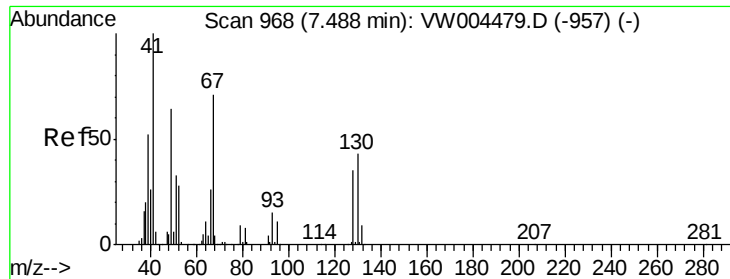
Tgt Ion: 83 Resp: 258082
Ion Ratio Lower Upper
83 100
55 79.8 62.5 93.7
98 44.7 35.4 53.2



#40
Benzene
Concen: 20.228 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004568.D
Acq: 09 Aug 2018 23:26

Tgt Ion: 78 Resp: 658511
Ion Ratio Lower Upper
78 100
77 22.6 19.0 28.6

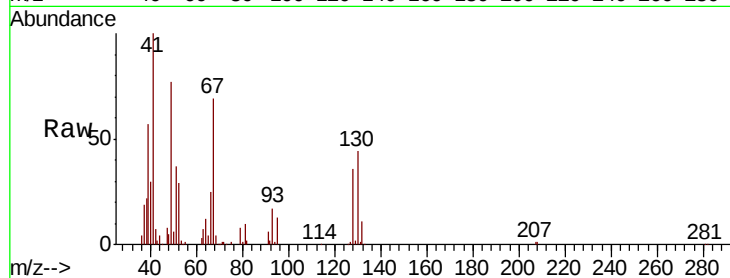




#41
Methacrylonitrile
Concen: 17.238 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW004568.D
Acq: 09 Aug 2018 23:26

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

Tgt Ion:	41	Resp:	49990
Ion	Ratio	Lower	Upper
41	100		
39	53.0	46.2	69.2
67	75.2	60.8	91.2
52	32.0	23.8	35.6



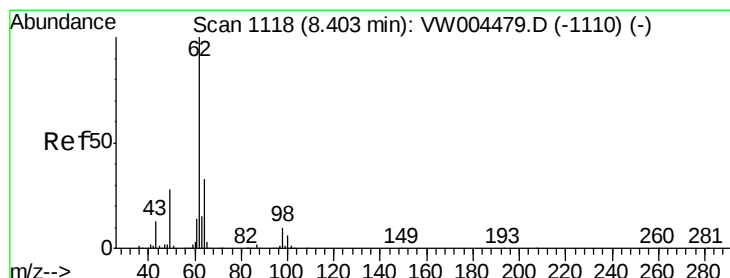
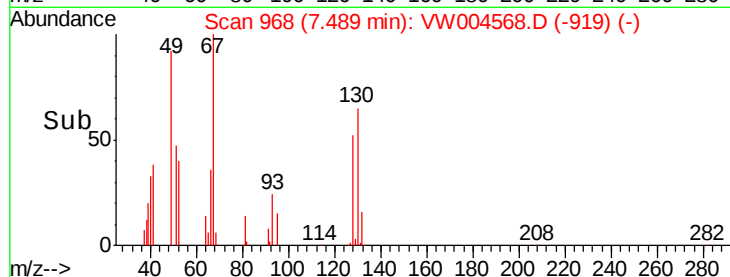
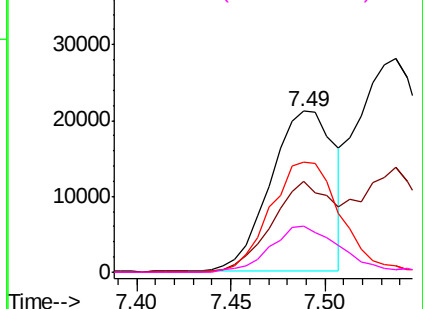
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

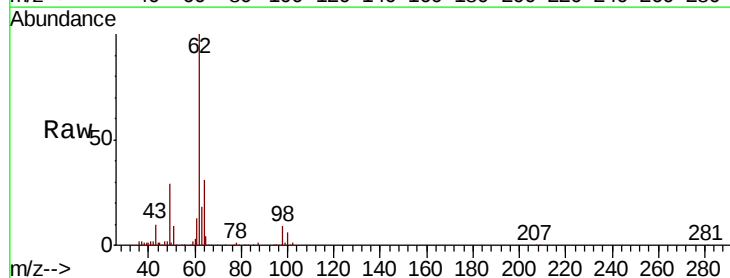
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 19.647 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004568.D
Acq: 09 Aug 2018 23:26

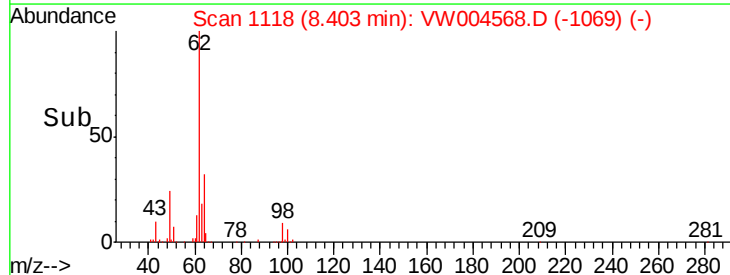
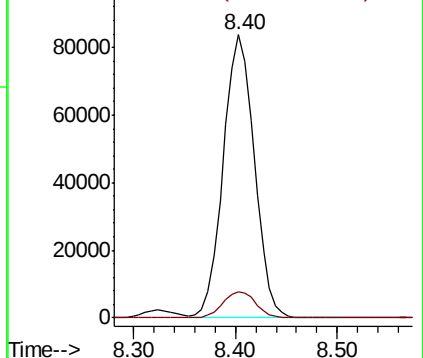
Tgt Ion:	62	Resp:	176959
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.6

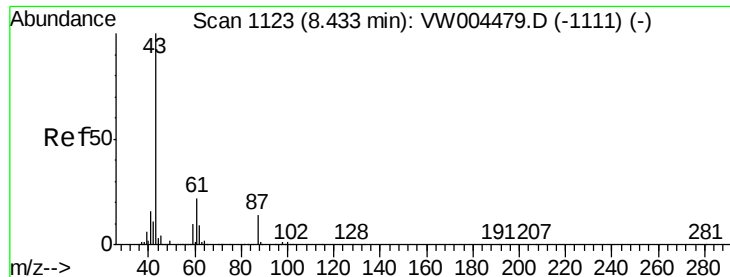


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 17.489 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

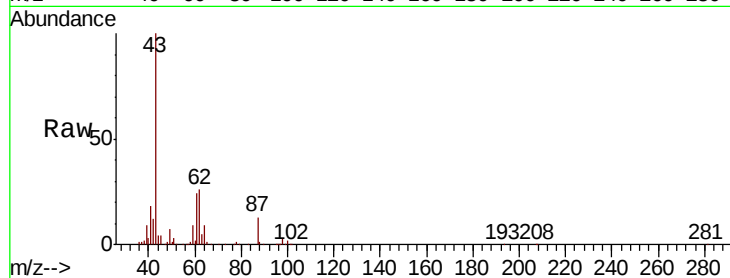
Tgt Ion: 43 Resp: 158285

Ion Ratio Lower Upper

43 100

61 32.9 25.2 37.8

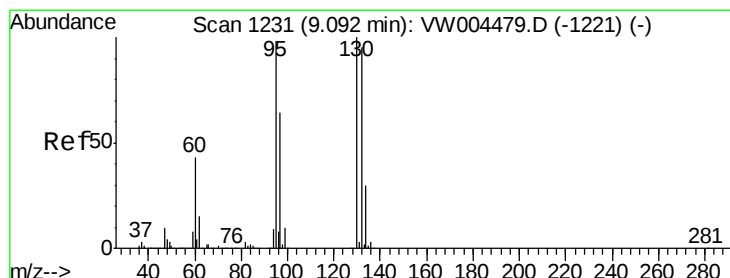
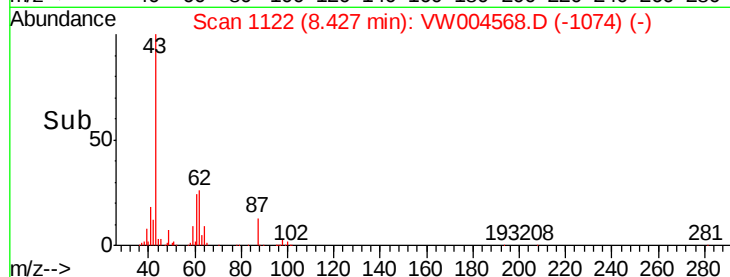
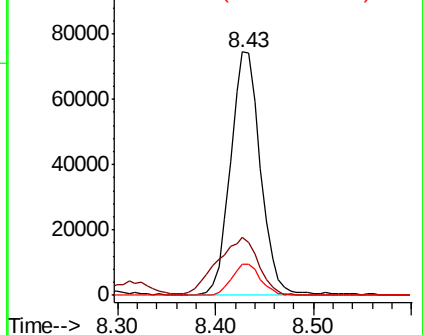
87 12.6 10.6 16.0



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: 19.970 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004568.D

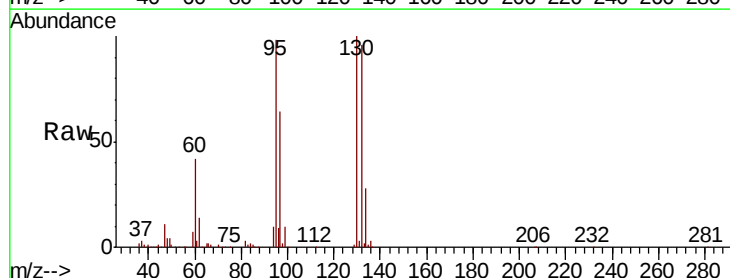
Acq: 09 Aug 2018 23:26

Tgt Ion: 130 Resp: 159754

Ion Ratio Lower Upper

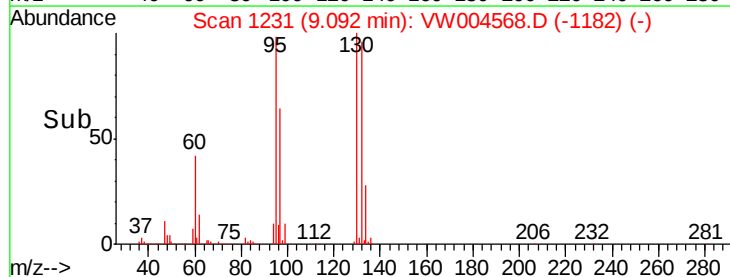
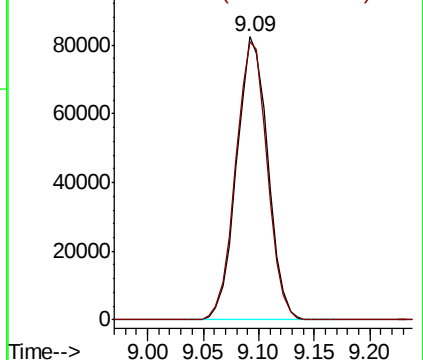
130 100

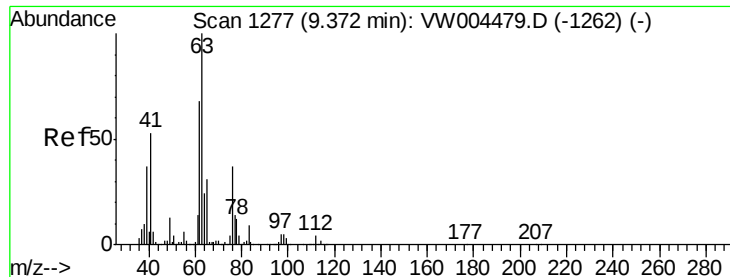
95 98.2 0.0 196.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

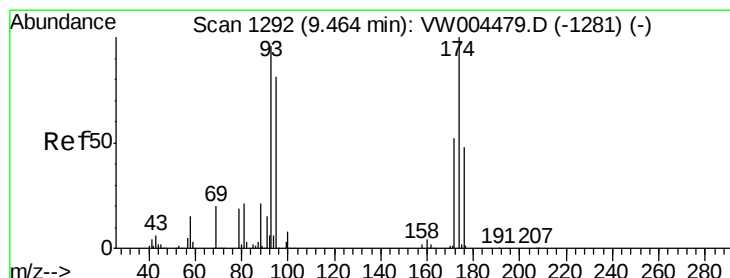
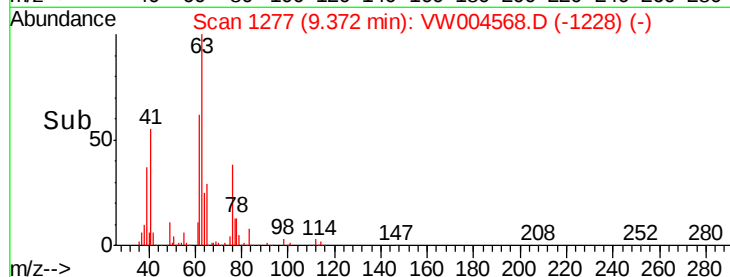
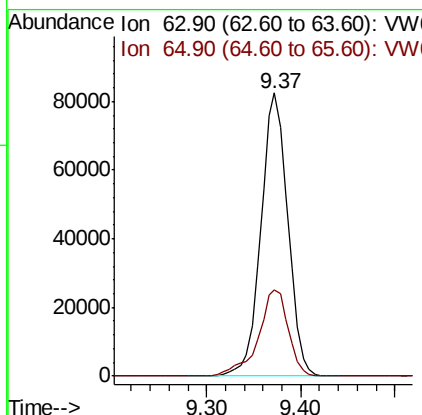
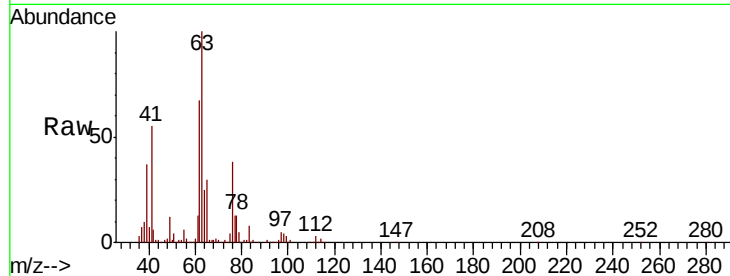




#45
 1,2-Dichloropropane
 Concen: 20.284 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004568.D
 Acq: 09 Aug 2018 23:26

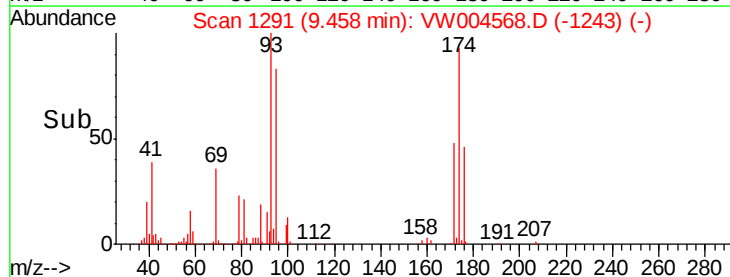
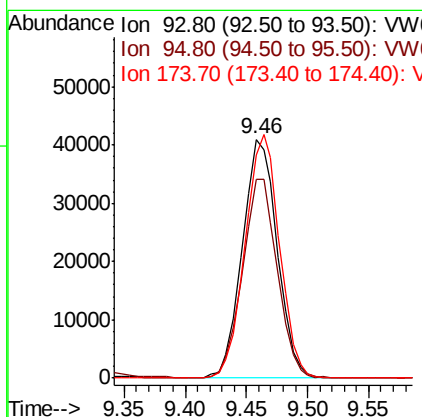
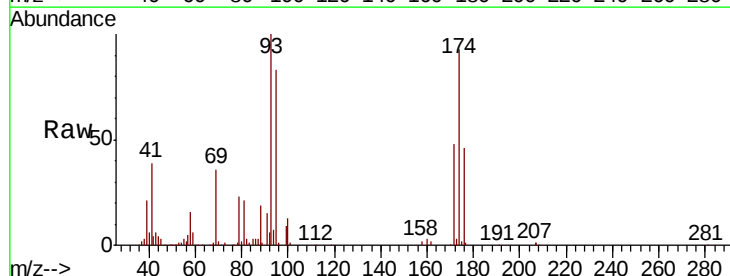
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS01

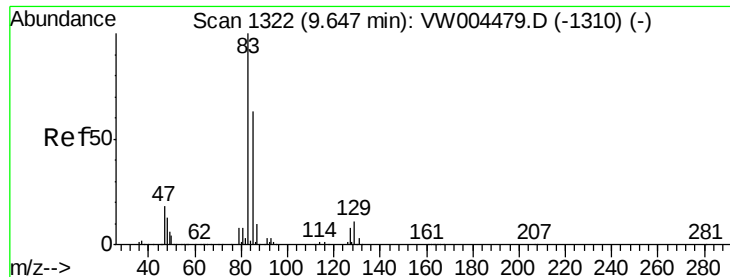
Tgt Ion: 63 Resp: 165372
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.5 36.7



#46
 Dibromomethane
 Concen: 19.549 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VW004568.D
 Acq: 09 Aug 2018 23:26

Tgt Ion: 93 Resp: 81134
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.0 100.4
 174 101.1 80.2 120.4





#47

Bromodichloromethane

Concen: 19.492 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

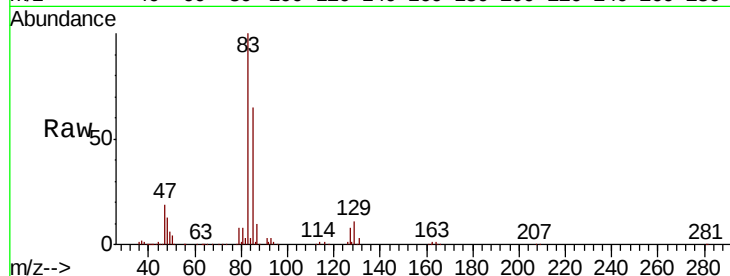
Tgt Ion: 83 Resp: 190954

Ion Ratio Lower Upper

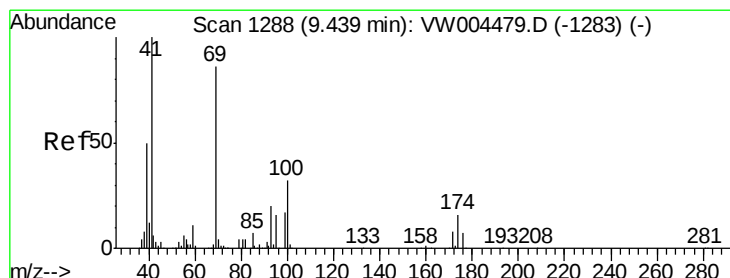
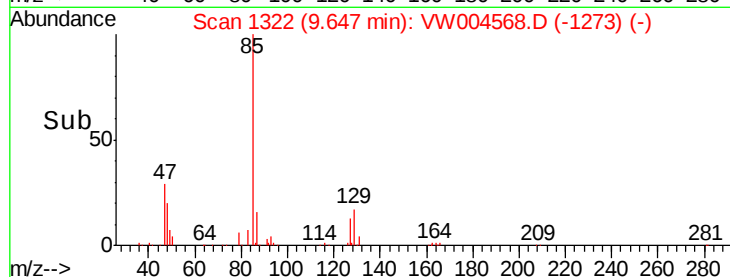
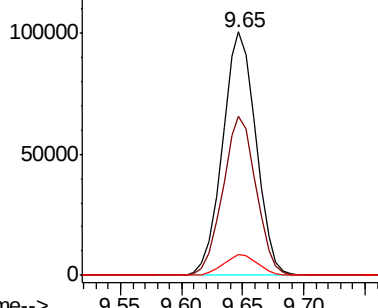
83 100

85 65.4 50.7 76.1

127 8.3 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): V



#48

Methyl methacrylate

Concen: 18.198 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

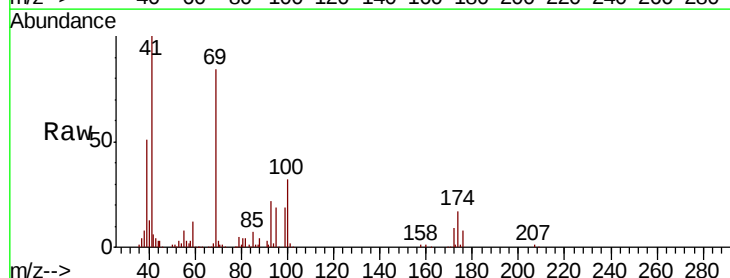
Tgt Ion: 41 Resp: 76978

Ion Ratio Lower Upper

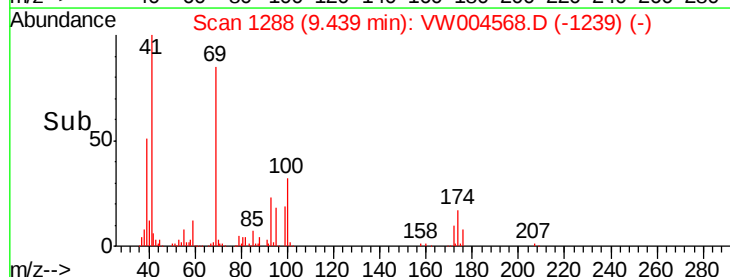
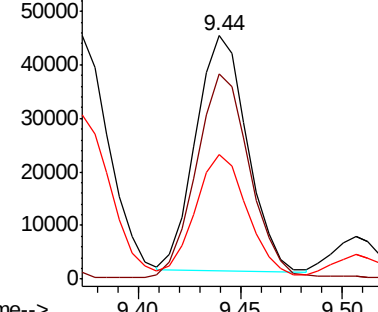
41 100

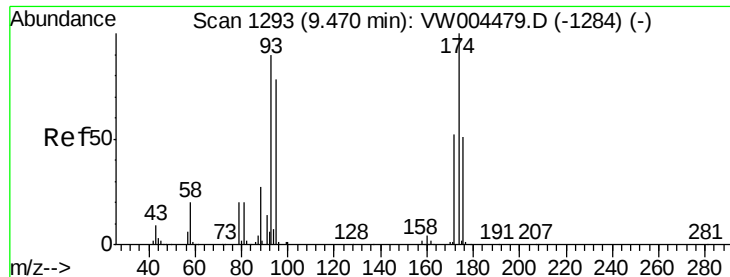
69 90.5 73.2 109.8

39 50.4 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: 354.255 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

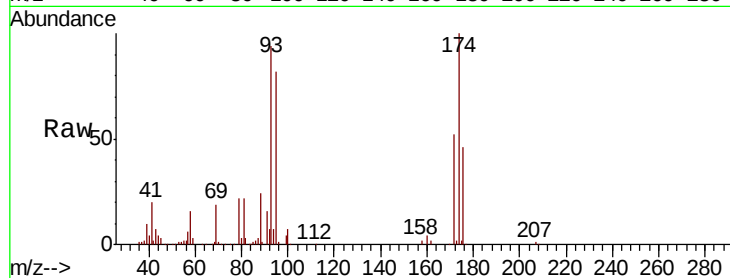
Tgt Ion: 88 Resp: 22431

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

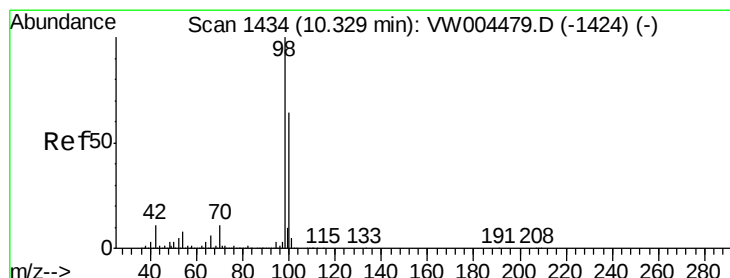
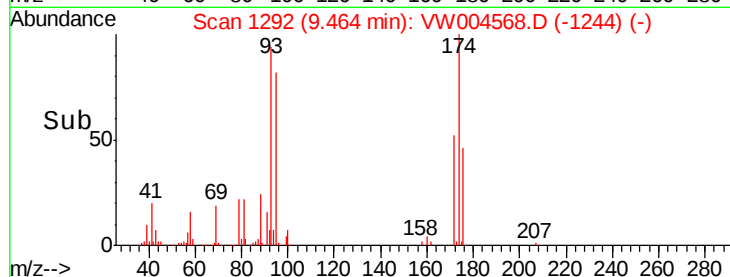
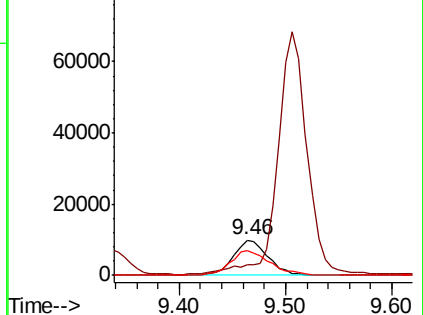
58 81.2 63.5 95.3



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: 52.322 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004568.D

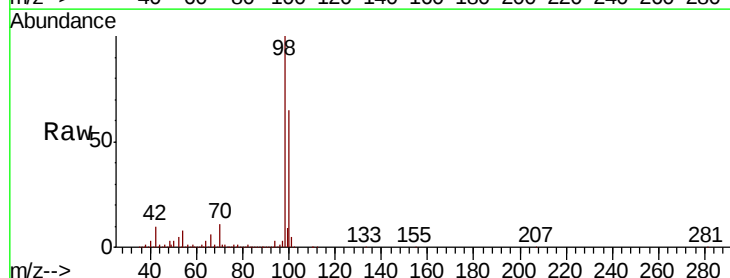
Acq: 09 Aug 2018 23:26

Tgt Ion: 98 Resp: 1369370

Ion Ratio Lower Upper

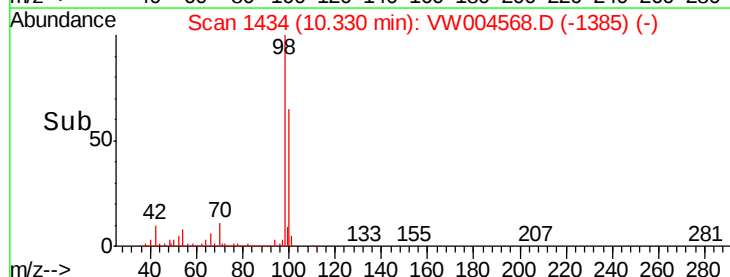
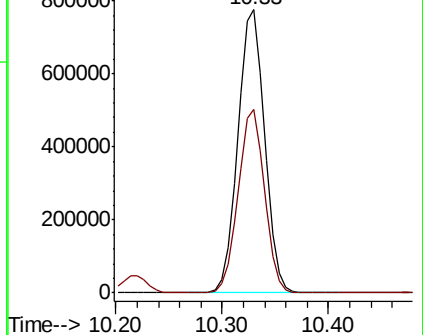
98 100

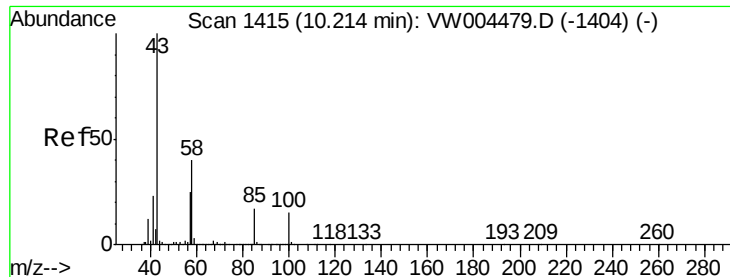
100 63.7 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

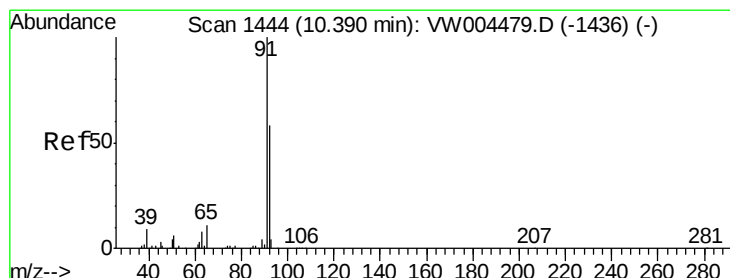
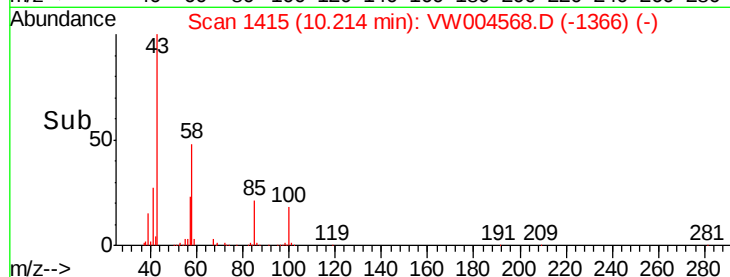
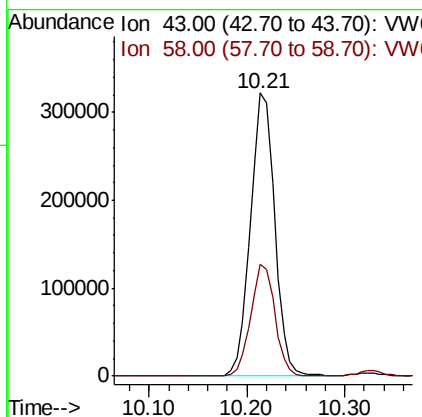
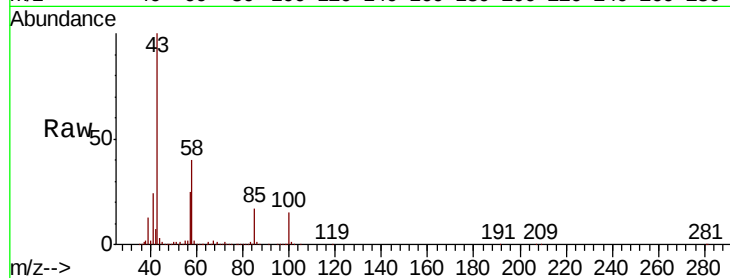




#51
 4-Methyl-2-Pentanone
 Concen: 88.671 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW004568.D
 Acq: 09 Aug 2018 23:26

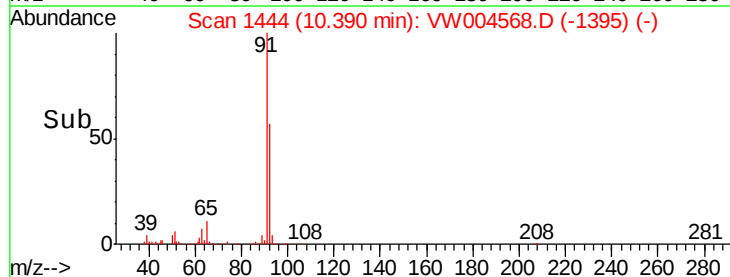
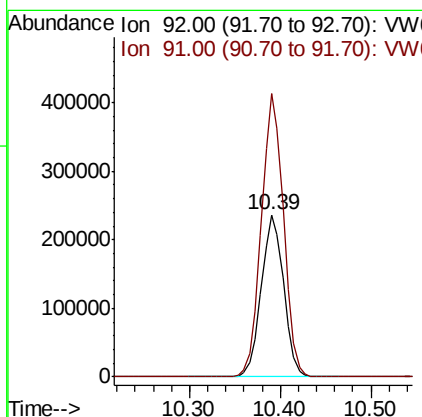
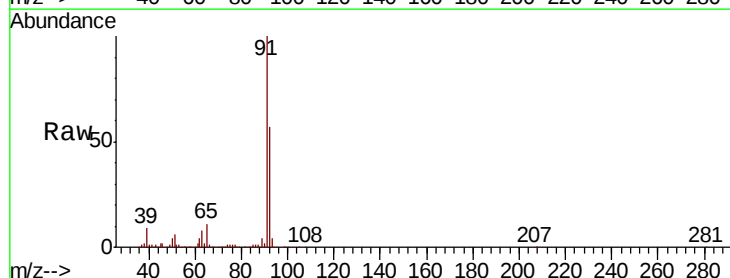
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS01

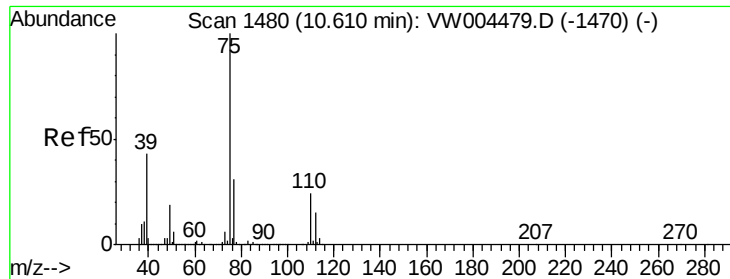
Tgt Ion: 43 Resp: 558599
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.9 47.9



#52
 Toluene
 Concen: 20.863 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW004568.D
 Acq: 09 Aug 2018 23:26

Tgt Ion: 92 Resp: 400498
 Ion Ratio Lower Upper
 92 100
 91 174.4 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 18.998 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

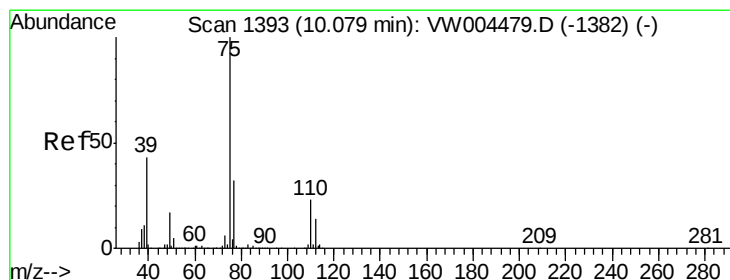
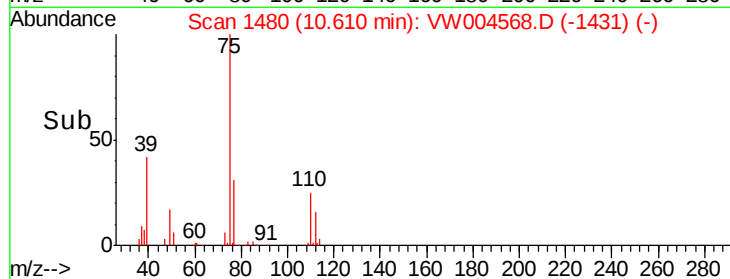
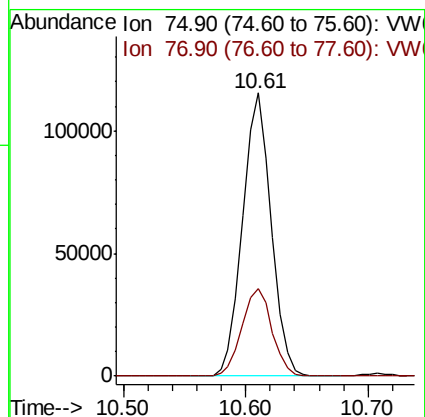
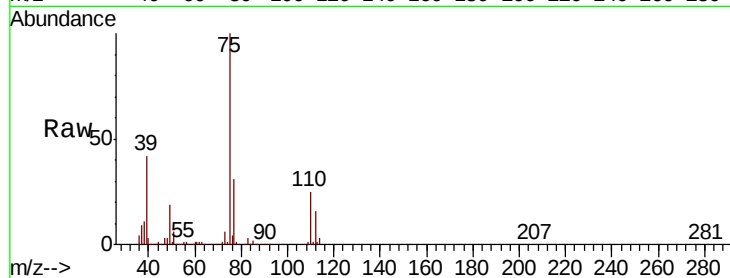
VW0812SBS01

Tgt Ion: 75 Resp: 186882

Ion Ratio Lower Upper

75 100

77 30.7 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 19.660 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

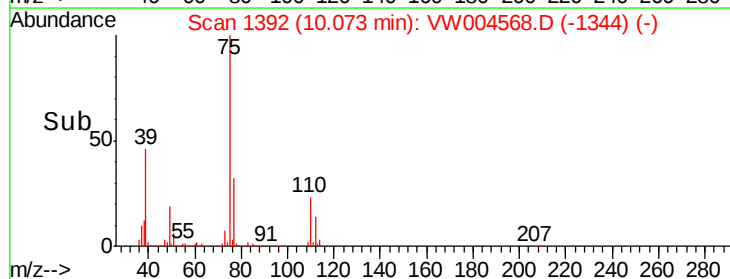
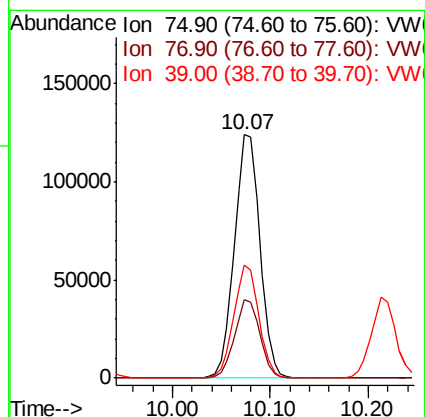
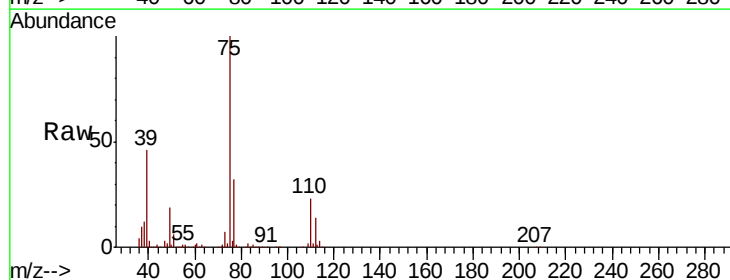
Tgt Ion: 75 Resp: 225377

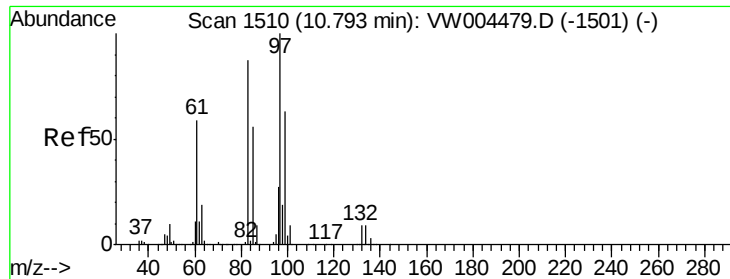
Ion Ratio Lower Upper

75 100

77 32.4 25.3 37.9

39 46.2 34.5 51.7

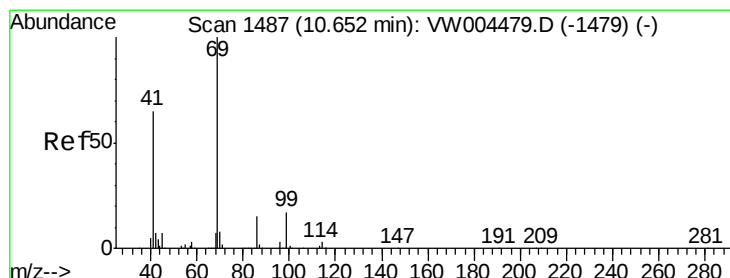
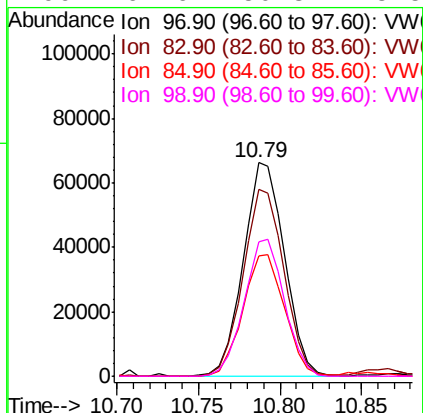
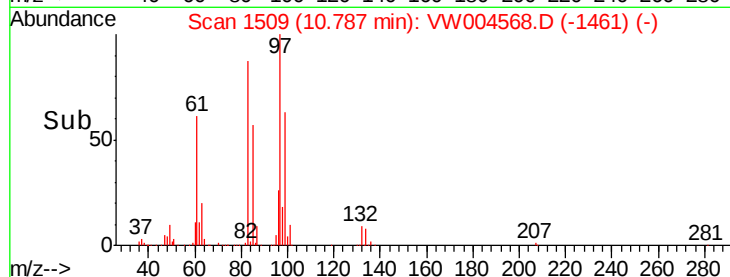
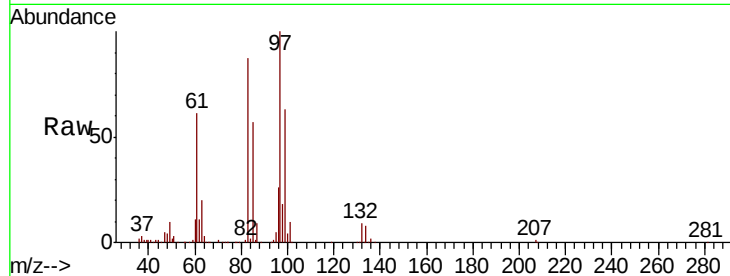




#55
 1,1,2-Trichloroethane
 Concen: 19.523 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VW004568.D
 Acq: 09 Aug 2018 23:26

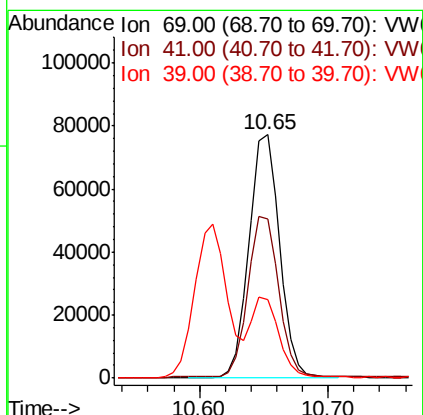
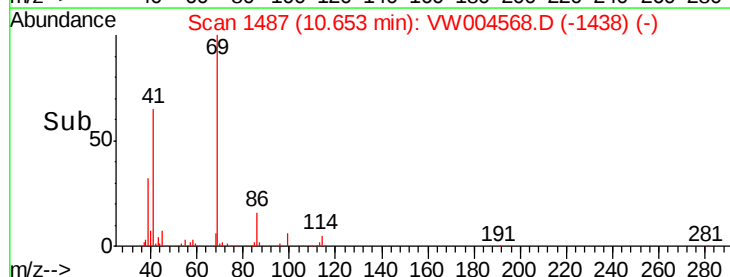
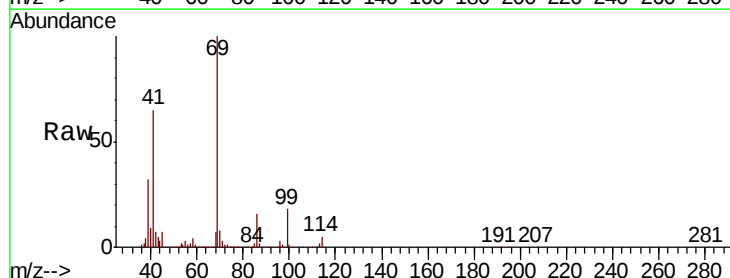
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS01

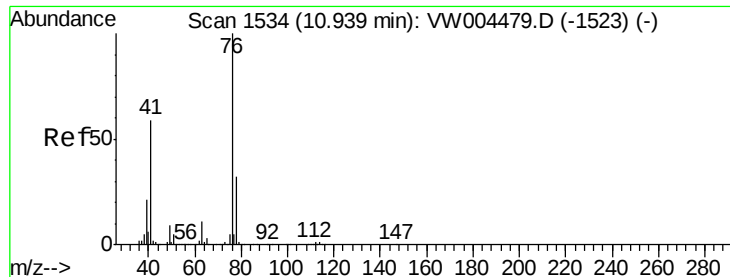
Tgt Ion: 97 Resp: 116138
 Ion Ratio Lower Upper
 97 100
 83 87.4 69.8 104.8
 85 56.7 45.1 67.7
 99 62.6 50.3 75.5



#56
 Ethyl methacrylate
 Concen: 17.824 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004568.D
 Acq: 09 Aug 2018 23:26

Tgt Ion: 69 Resp: 126940
 Ion Ratio Lower Upper
 69 100
 41 65.7 52.4 78.6
 39 28.4 22.7 34.1





#57

1,3-Dichloropropane

Concen: 19.543 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

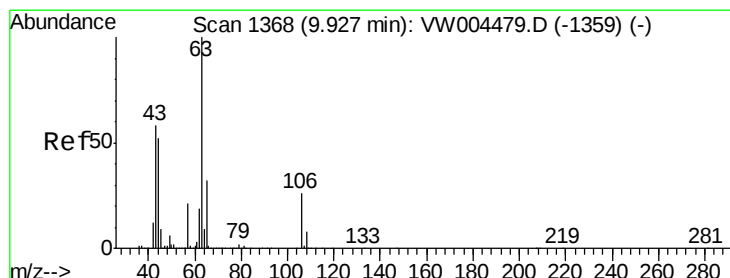
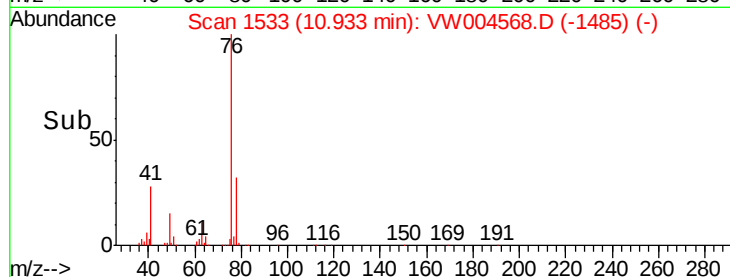
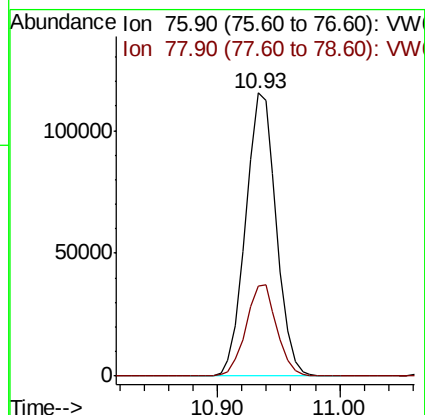
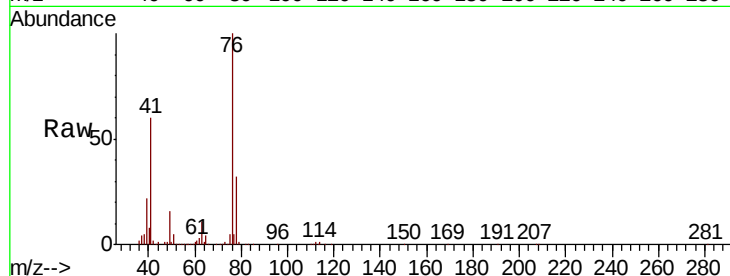
VW0812SBS01

Tgt Ion: 76 Resp: 200370

Ion Ratio Lower Upper

76 100

78 32.4 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 94.305 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW004568.D

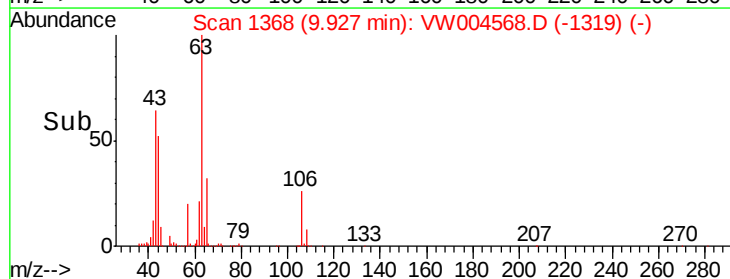
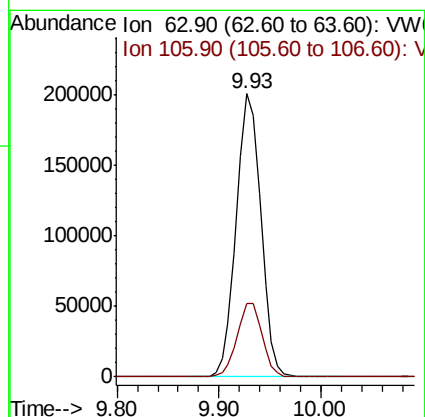
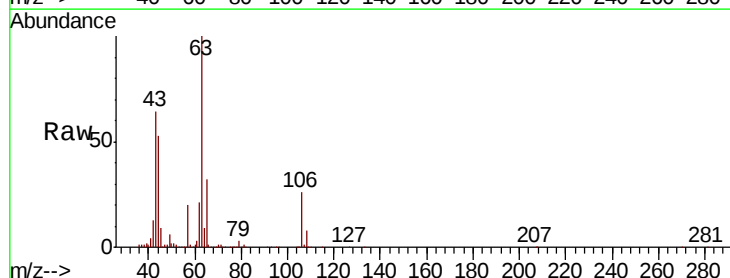
Acq: 09 Aug 2018 23:26

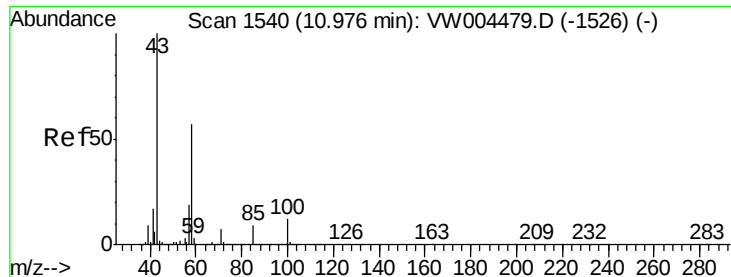
Tgt Ion: 63 Resp: 334835

Ion Ratio Lower Upper

63 100

106 26.5 21.3 31.9





#59

2-Hexanone

Concen: 87.744 ug/l

RT: 10.98 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

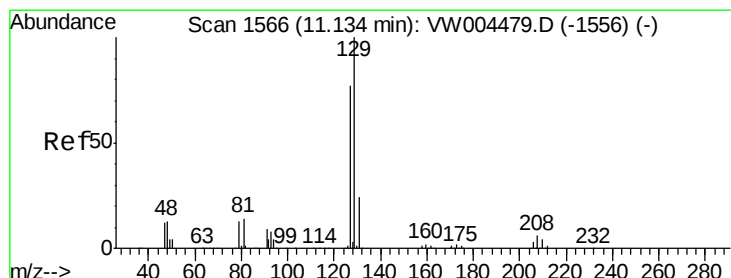
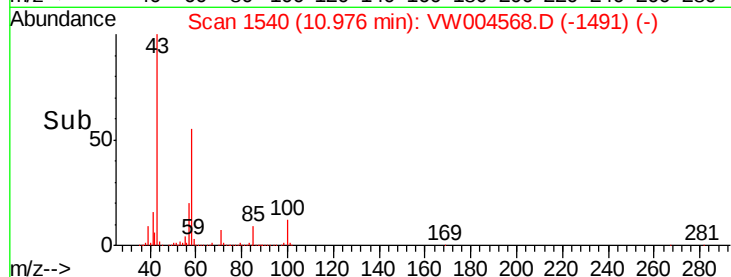
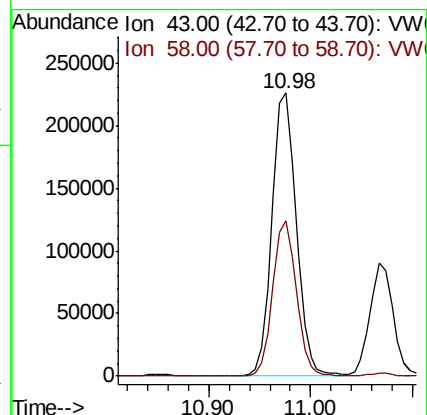
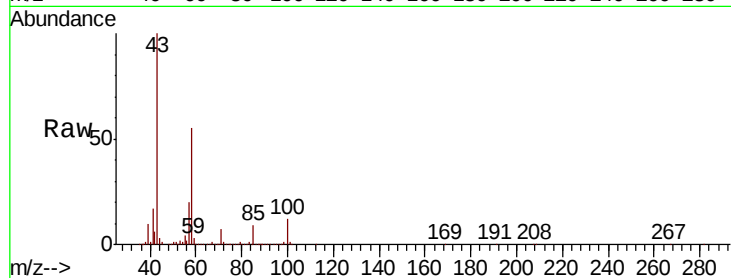
VW0812SBS01

Tgt Ion: 43 Resp: 374775

Ion Ratio Lower Upper

43 100

58 53.5 27.9 83.6



#60

Dibromochloromethane

Concen: 19.936 ug/l

RT: 11.13 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VW004568.D

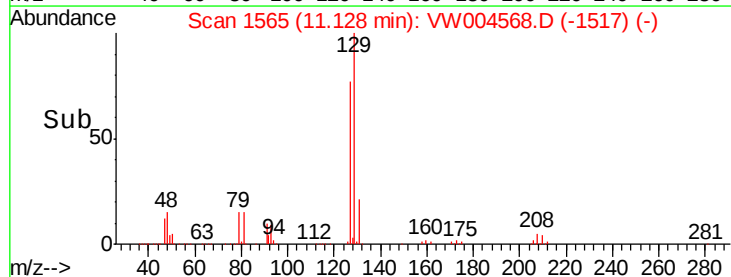
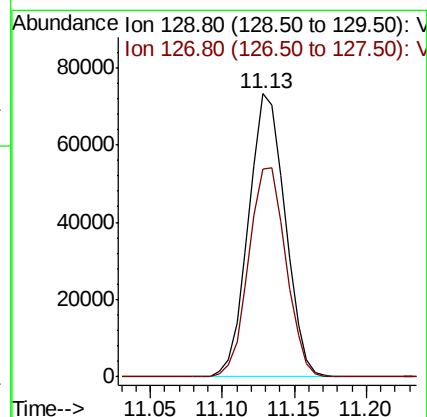
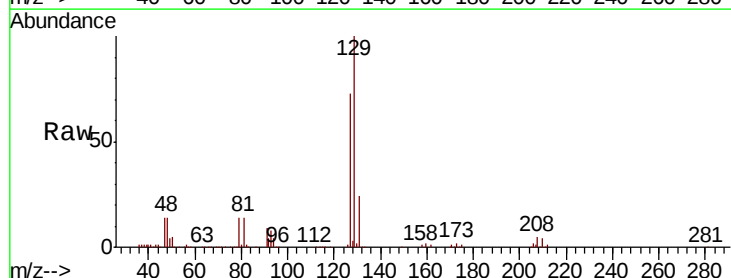
Acq: 09 Aug 2018 23:26

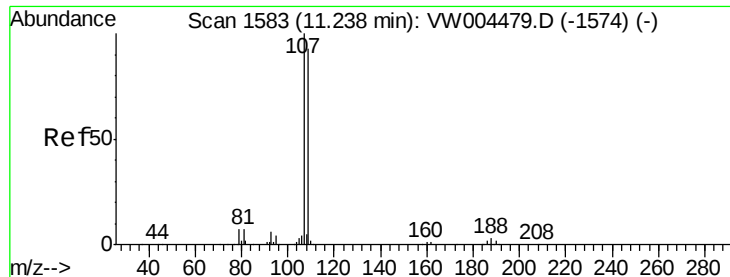
Tgt Ion: 129 Resp: 128984

Ion Ratio Lower Upper

129 100

127 74.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.332 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

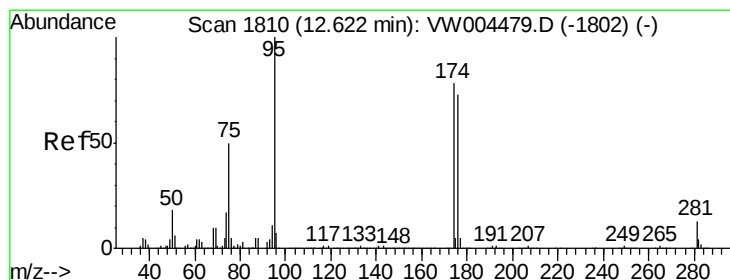
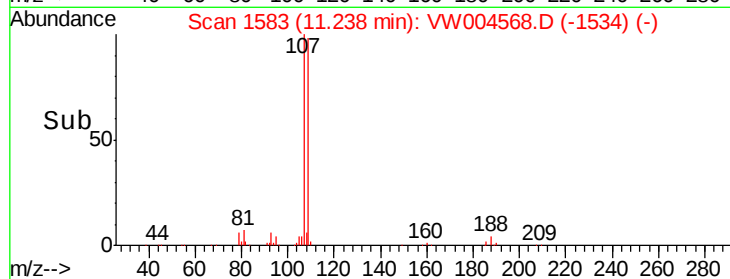
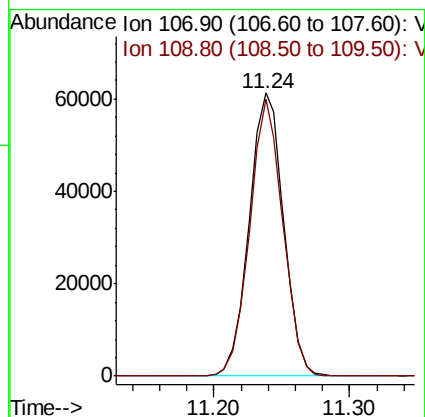
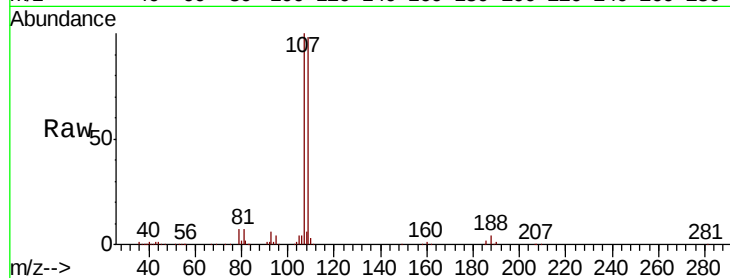
VW0812SBS01

Tgt Ion: 107 Resp: 108039

Ion Ratio Lower Upper

107 100

109 94.9 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 52.158 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

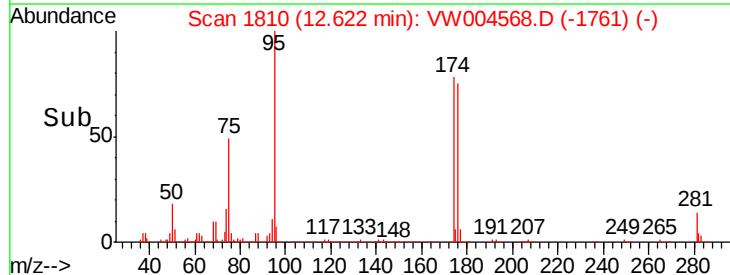
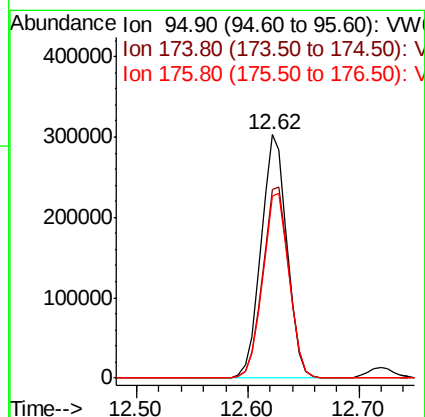
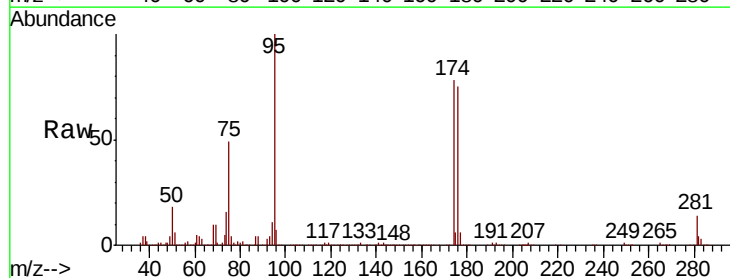
Tgt Ion: 95 Resp: 491729

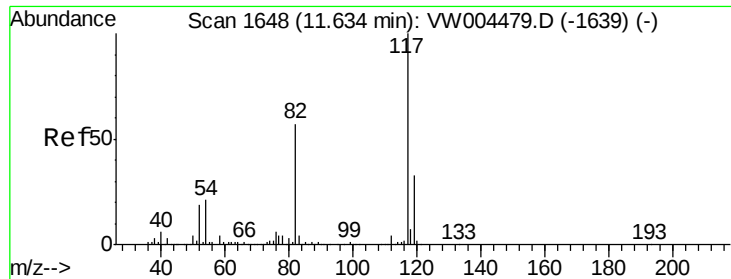
Ion Ratio Lower Upper

95 100

174 79.9 0.0 160.4

176 77.2 0.0 153.2

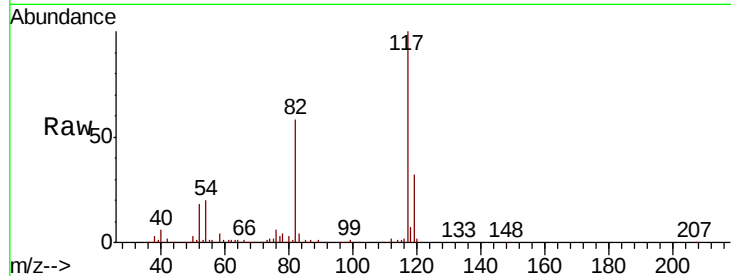




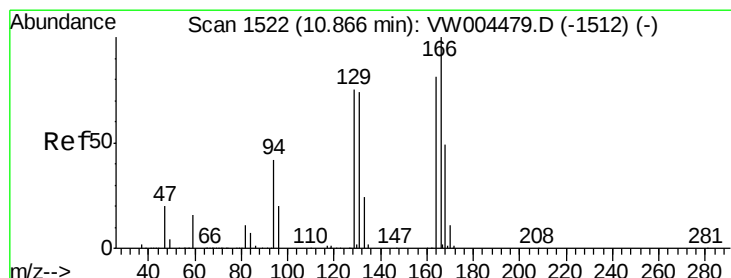
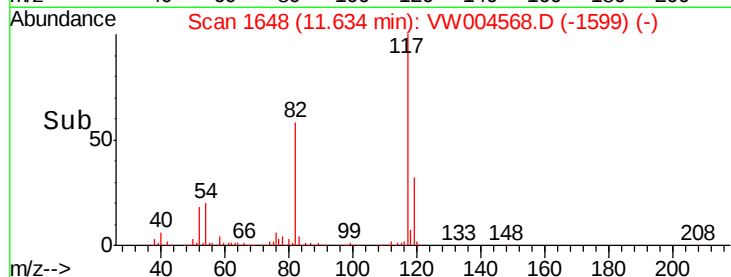
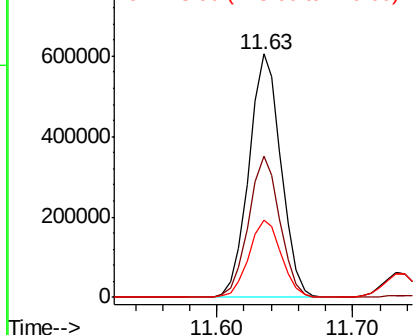
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004568.D
Acq: 09 Aug 2018 23:26

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

Tgt Ion:117 Resp: 998911
Ion Ratio Lower Upper
117 100
82 57.8 45.3 67.9
119 31.5 26.2 39.4

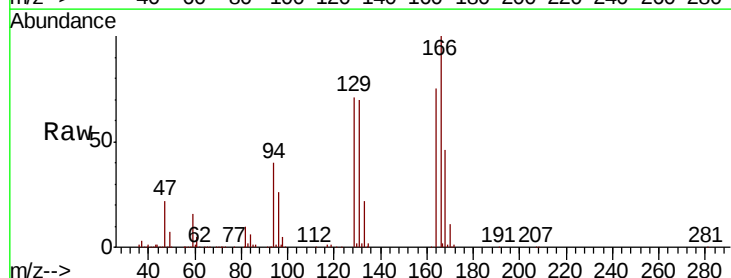


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

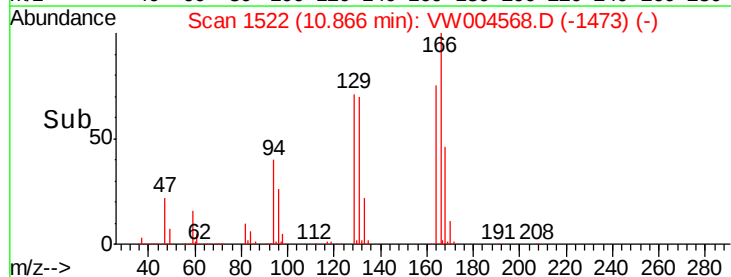
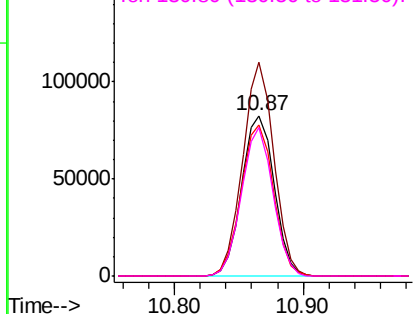


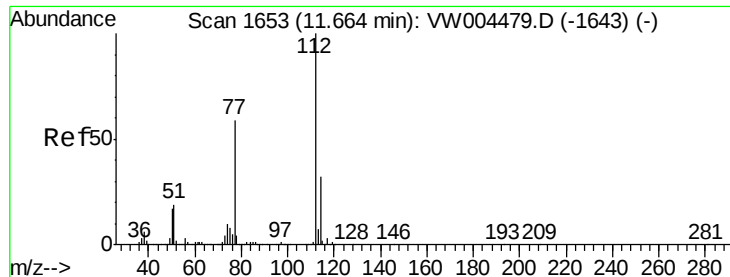
#64
Tetrachloroethene
Concen: 20.610 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004568.D
Acq: 09 Aug 2018 23:26

Tgt Ion:164 Resp: 143618
Ion Ratio Lower Upper
164 100
166 133.1 98.4 147.6
129 94.3 73.6 110.4
131 92.8 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: 20.118 ug/l

RT: 11.66 min Scan# 1652

Delta R.T. -0.01 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

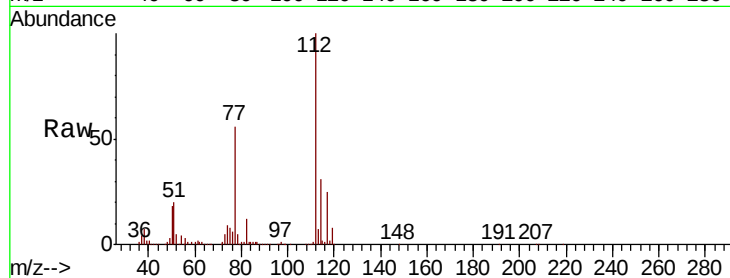
VW0812SBS01

Tgt Ion:112 Resp: 442871

Ion Ratio Lower Upper

112 100

114 31.2 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

250000

200000

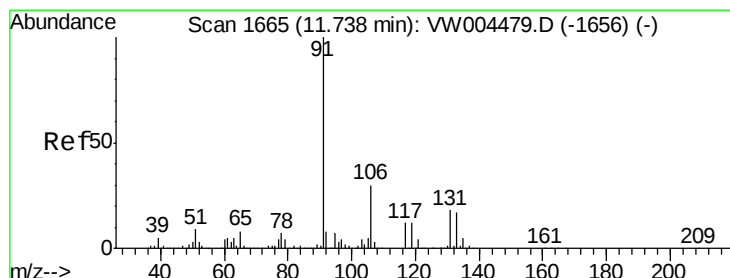
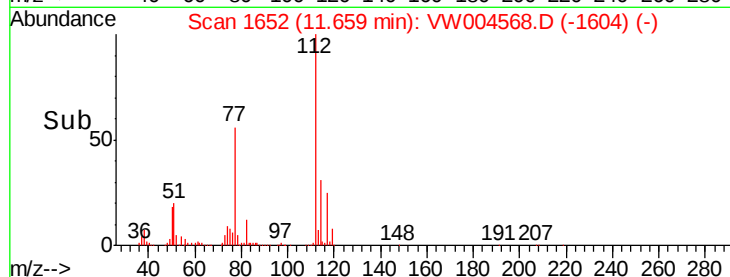
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.512 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

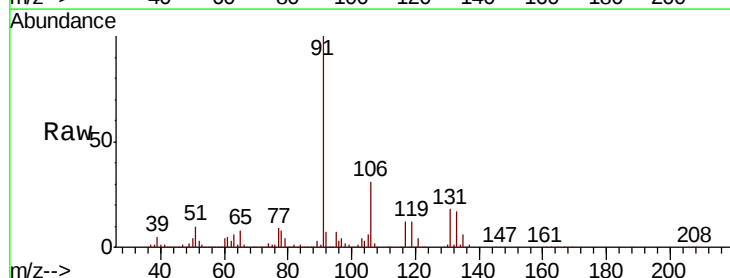
Tgt Ion:131 Resp: 146240

Ion Ratio Lower Upper

131 100

133 95.3 48.1 144.4

119 67.3 33.9 101.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

250000

200000

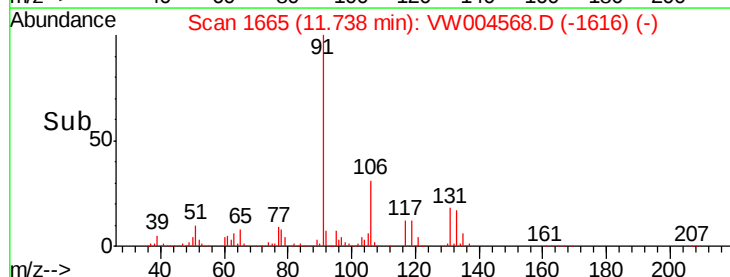
150000

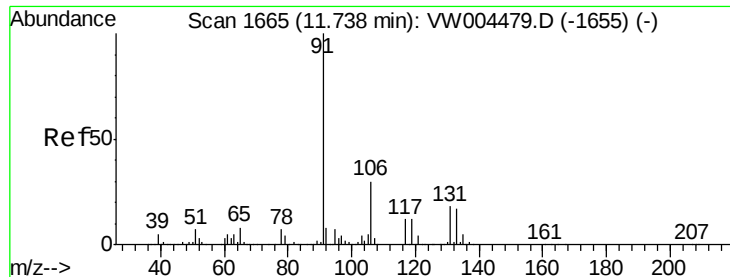
100000

50000

0

Time-->

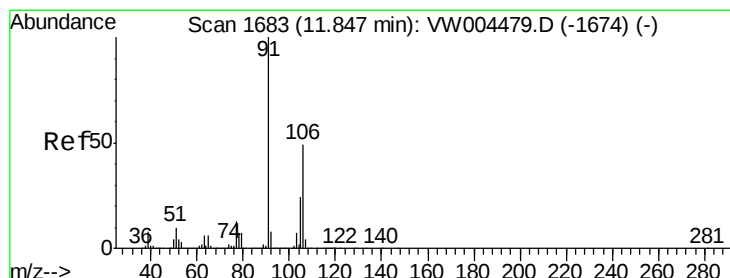
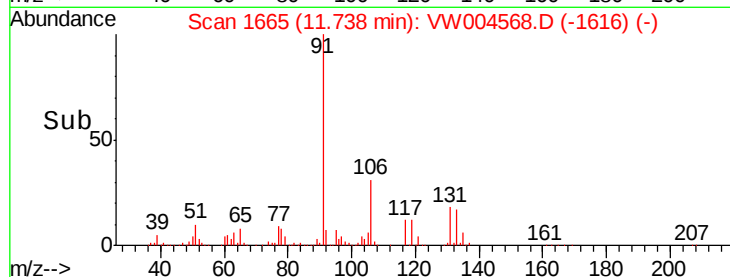
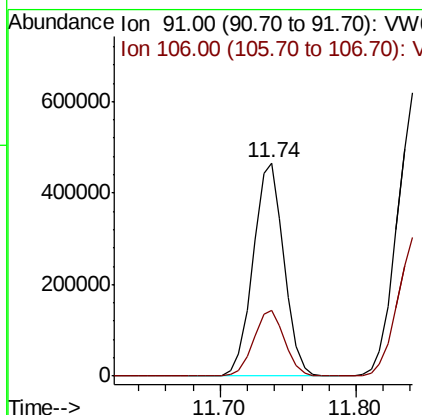
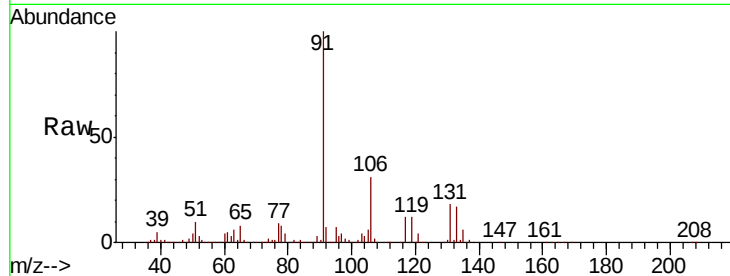




#67
Ethyl Benzene
Concen: 19.782 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004568.D
Acq: 09 Aug 2018 23:26

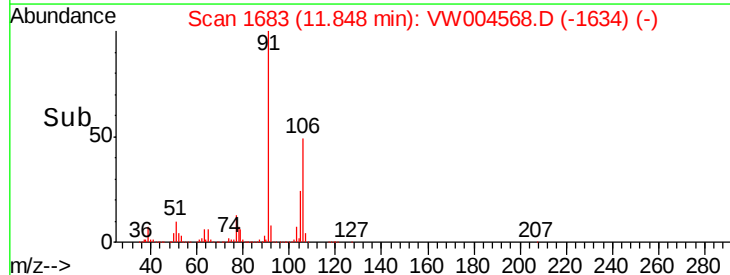
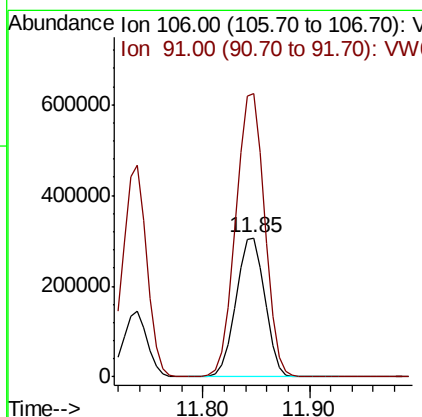
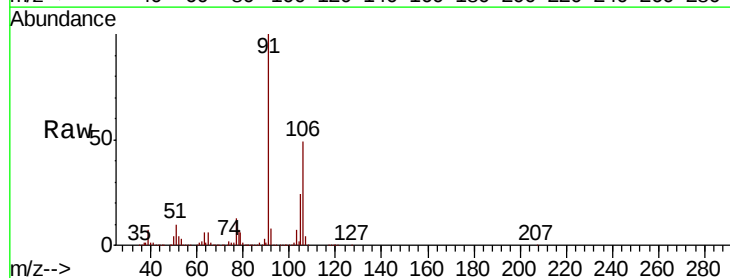
Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

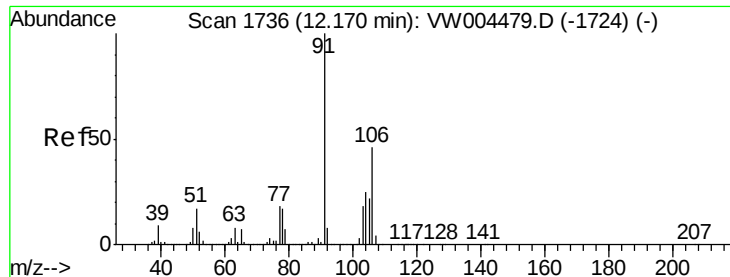
Tgt Ion: 91 Resp: 738216
Ion Ratio Lower Upper
91 100
106 30.9 24.2 36.2



#68
m/p-Xylenes
Concen: 40.526 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004568.D
Acq: 09 Aug 2018 23:26

Tgt Ion: 106 Resp: 584471
Ion Ratio Lower Upper
106 100
91 204.3 162.8 244.2

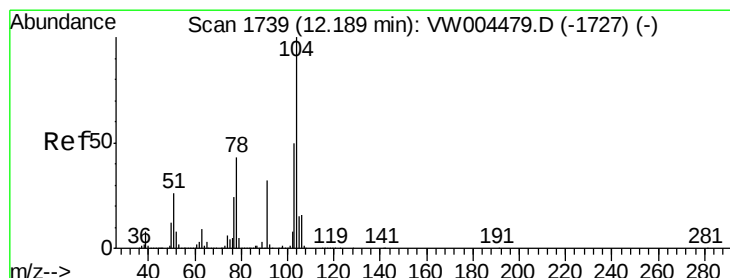
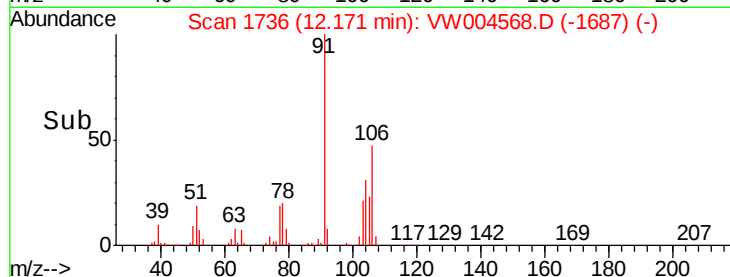
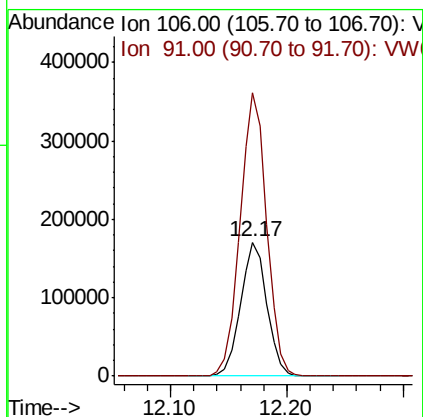
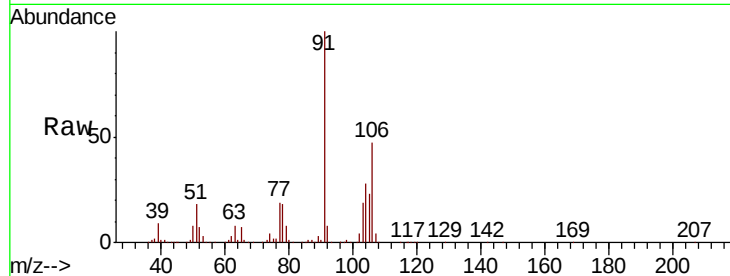




#69
o-Xylene
Concen: 20.032 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004568.D
Acq: 09 Aug 2018 23:26

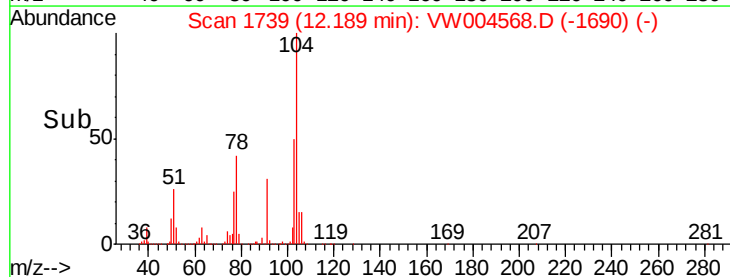
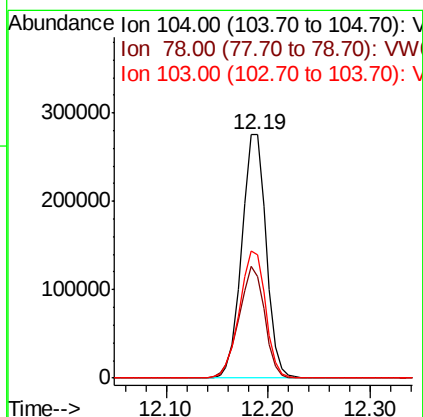
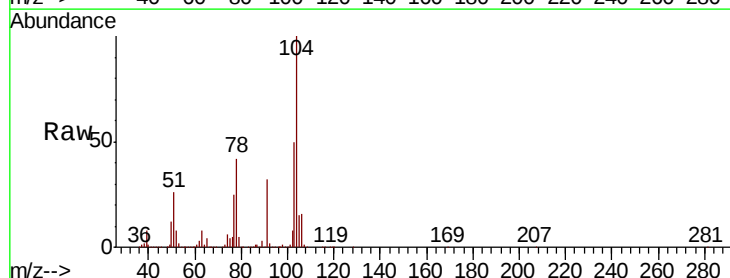
Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

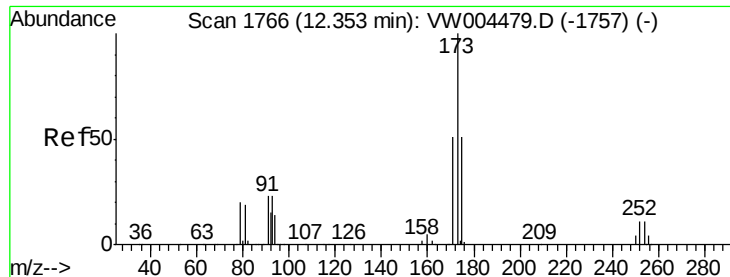
Tgt Ion:106 Resp: 267924
Ion Ratio Lower Upper
106 100
91 213.5 106.7 320.2



#70
Styrene
Concen: 20.288 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004568.D
Acq: 09 Aug 2018 23:26

Tgt Ion:104 Resp: 458477
Ion Ratio Lower Upper
104 100
78 48.2 39.0 58.4
103 55.7 44.2 66.2





#71

Bromoform

Concen: 18.102 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

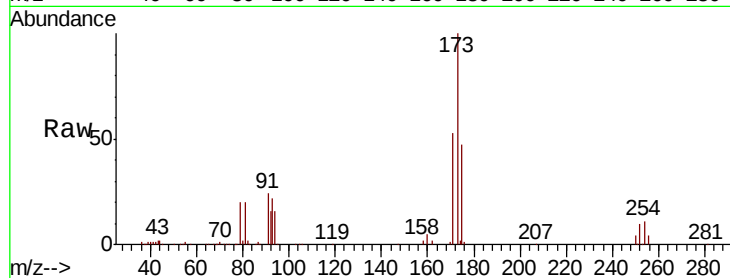
Tgt Ion:173 Resp: 74583

Ion Ratio Lower Upper

173 100

175 48.7 24.5 73.5

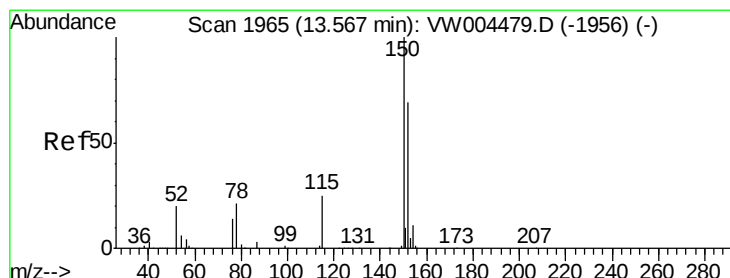
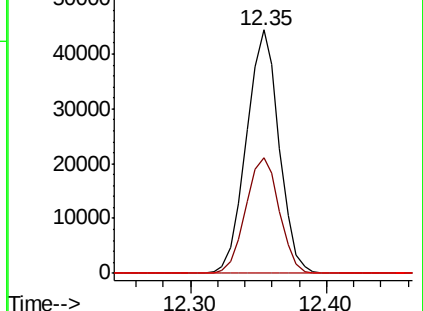
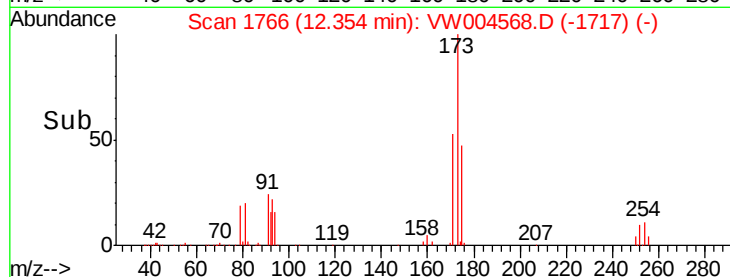
254 0.1 0.2 0.2#



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: VW004568.D

Acq: 09 Aug 2018 23:26

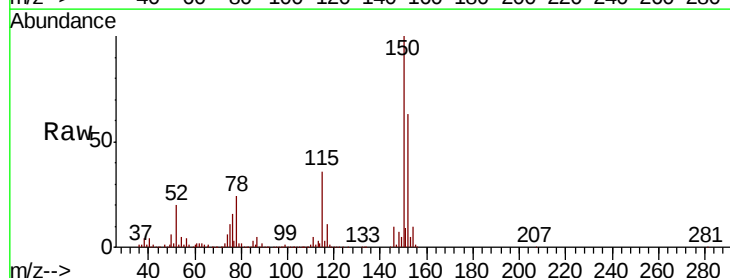
Tgt Ion:152 Resp: 529179

Ion Ratio Lower Upper

152 100

115 58.4 29.1 87.3

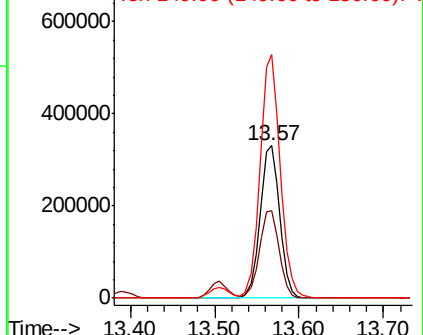
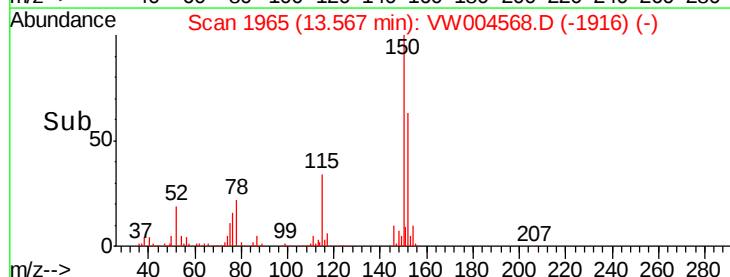
150 164.5 0.0 349.6

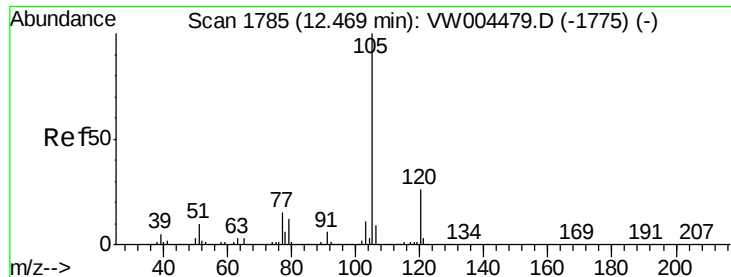


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.851 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampled :

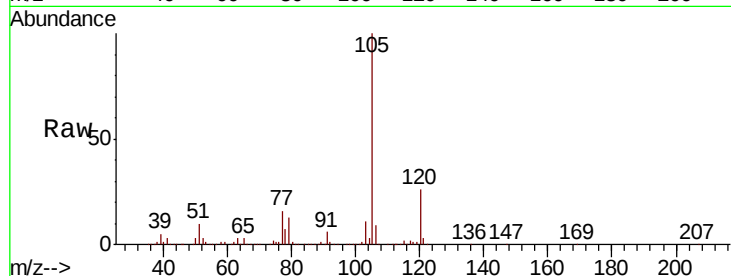
VW0812SBS01

Tgt Ion: 105 Resp: 726619

Ion Ratio Lower Upper

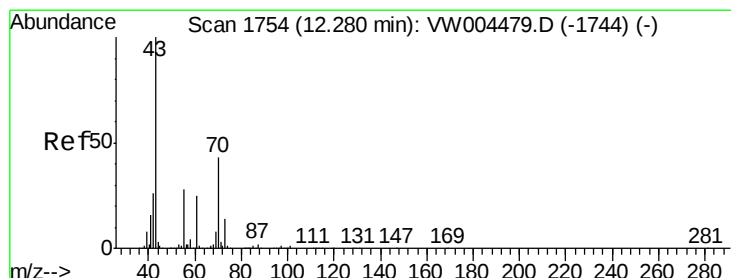
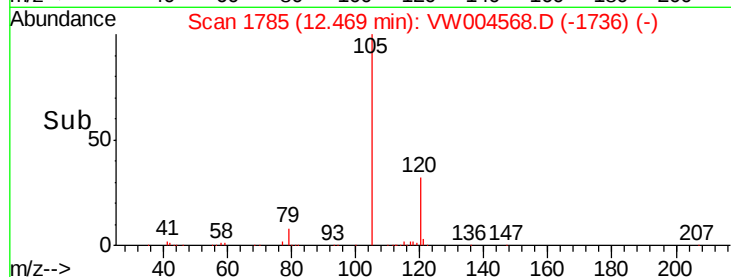
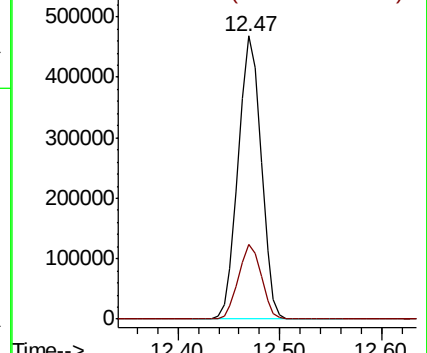
105 100

120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.176 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Tgt Ion: 43 Resp: 152452

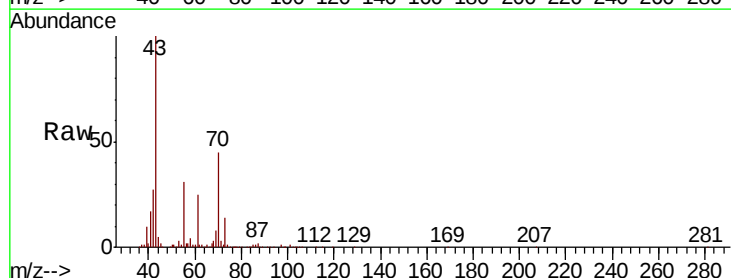
Ion Ratio Lower Upper

43 100

70 44.5 35.3 52.9

55 30.9 22.9 34.3

61 24.0 19.7 29.5

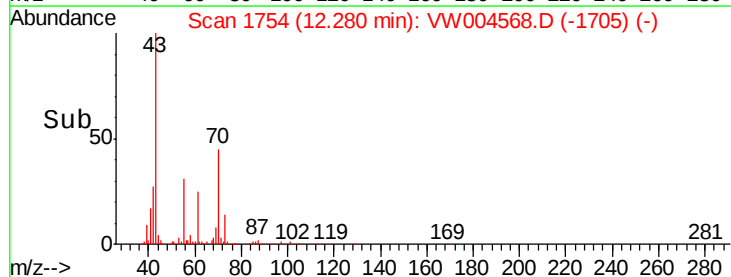
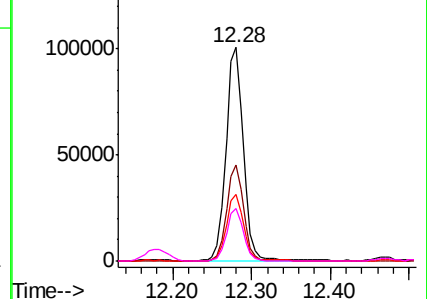


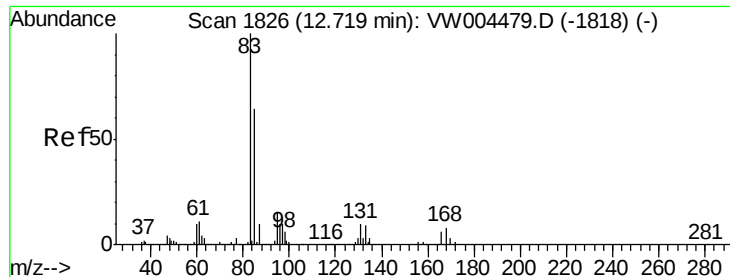
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 18.495 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

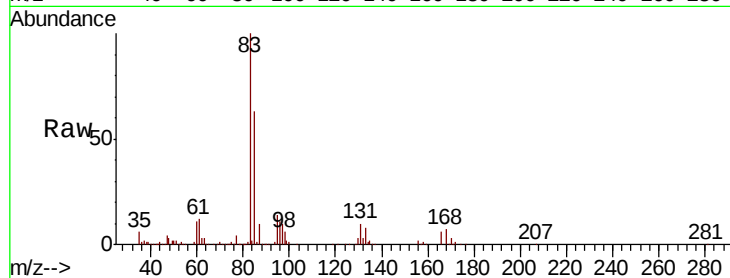
Tgt Ion: 83 Resp: 141319

Ion Ratio Lower Upper

83 100

131 9.8 5.0 15.0

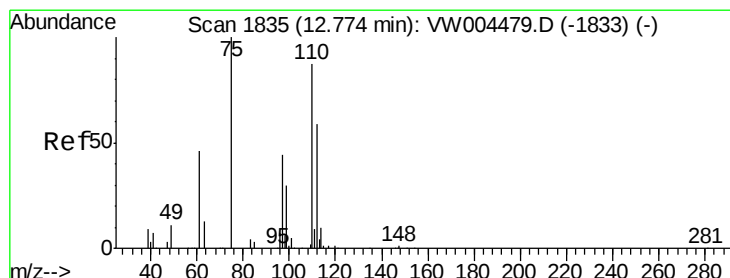
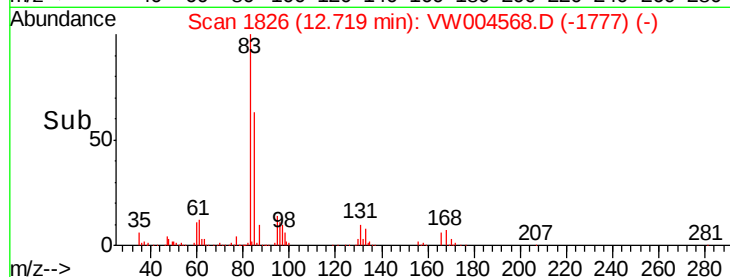
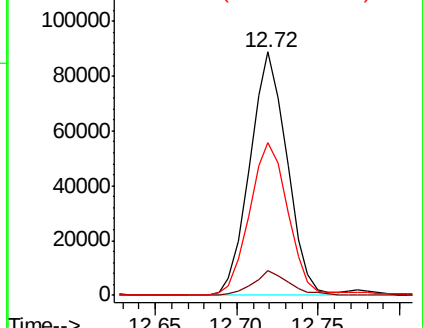
85 64.8 31.8 95.4



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: 32.370 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004568.D

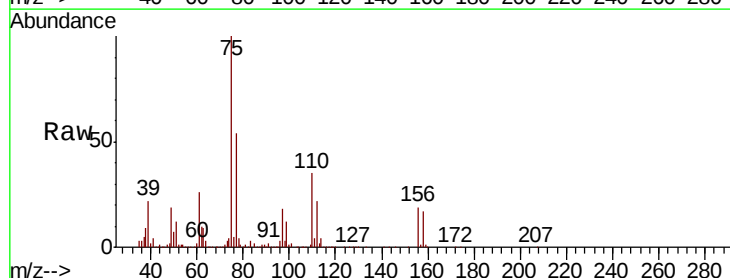
Acq: 09 Aug 2018 23:26

Tgt Ion: 75 Resp: 177254

Ion Ratio Lower Upper

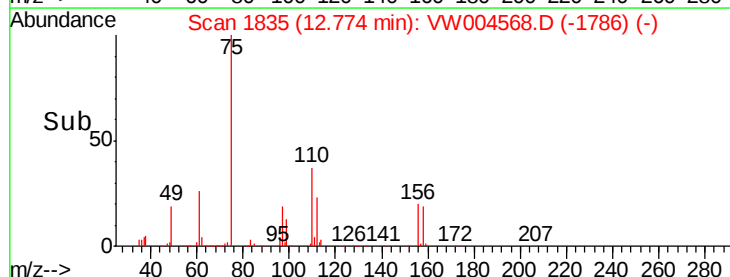
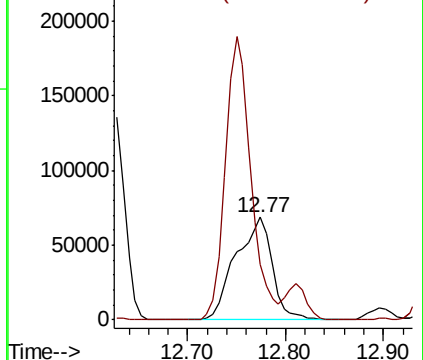
75 100

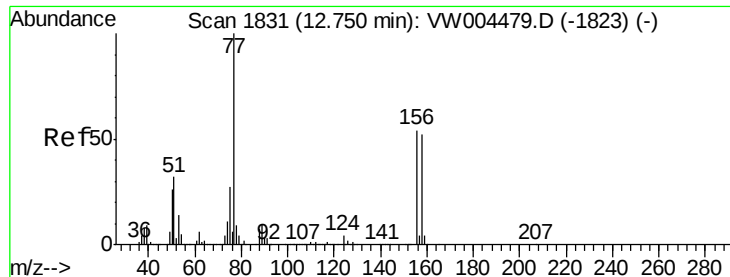
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.034 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampled :

VW0812SBS01

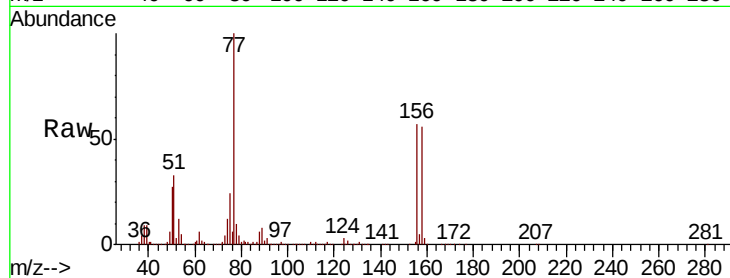
Tgt Ion:156 Resp: 177417

Ion Ratio Lower Upper

156 100

77 194.2 98.7 296.1

158 97.6 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

250000

200000

150000

100000

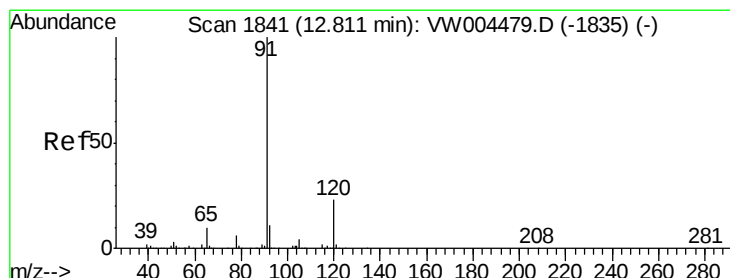
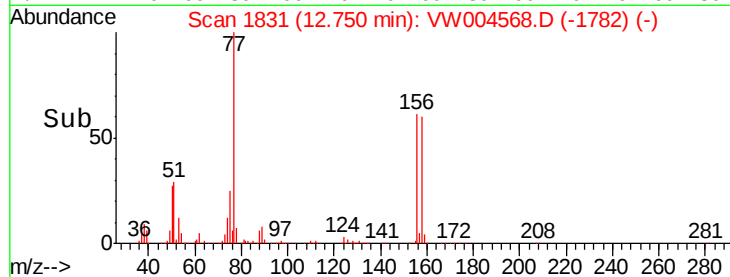
50000

0

12.70

12.80

Time-->



#78

n-propylbenzene

Concen: 20.378 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004568.D

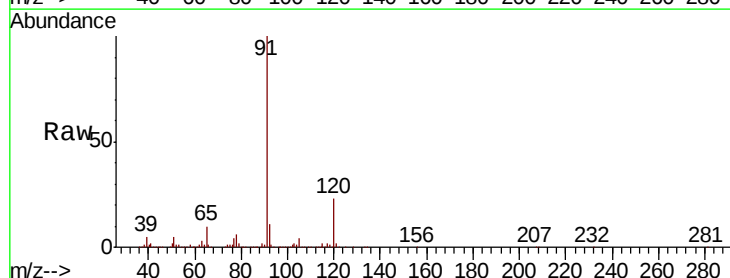
Acq: 09 Aug 2018 23:26

Tgt Ion: 91 Resp: 920396

Ion Ratio Lower Upper

91 100

120 22.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

600000

400000

200000

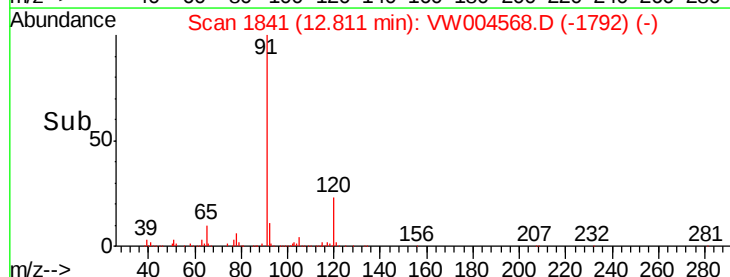
0

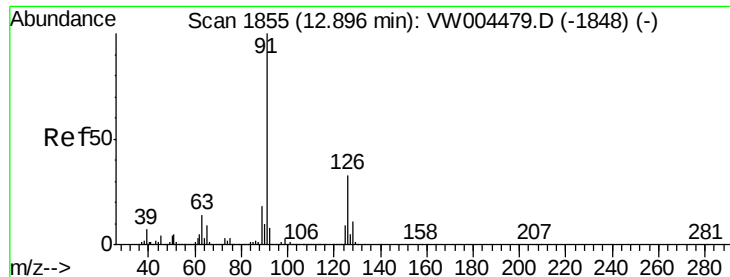
12.75

12.80

12.85

Time-->





#79

2-Chlorotoluene

Concen: 20.375 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

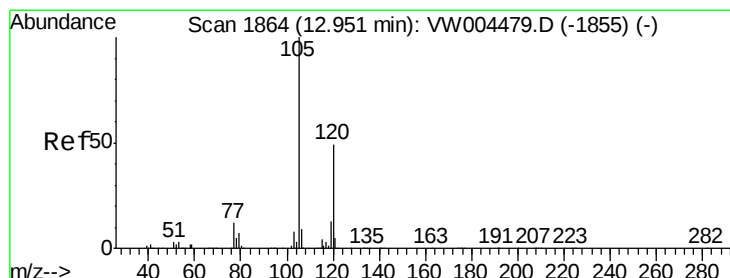
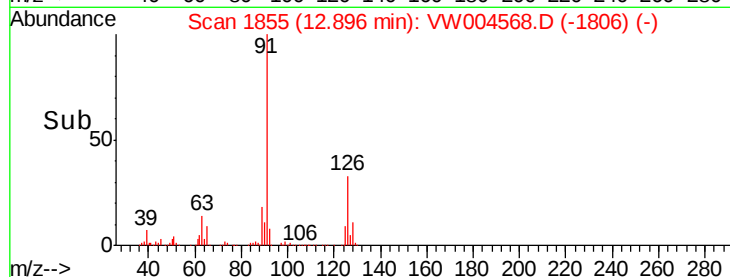
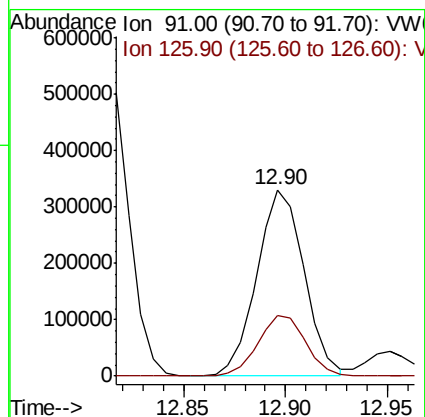
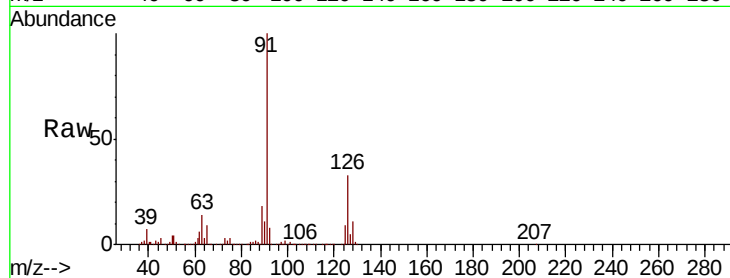
VW0812SBS01

Tgt Ion: 91 Resp: 532536

Ion Ratio Lower Upper

91 100

126 33.2 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 20.878 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004568.D

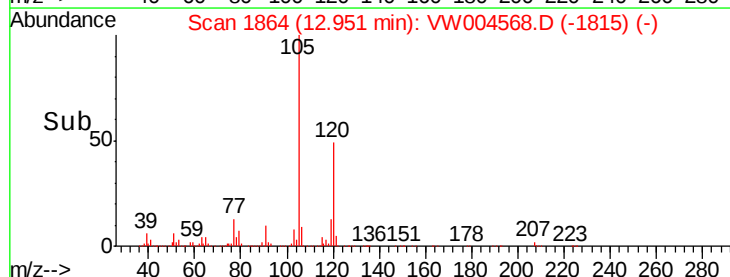
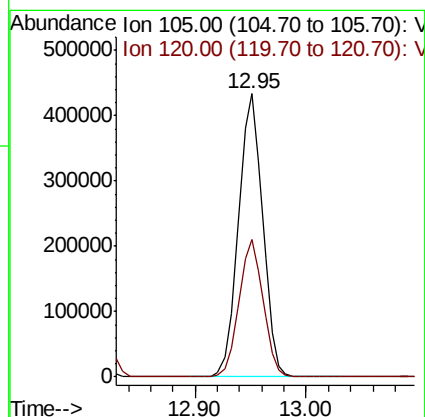
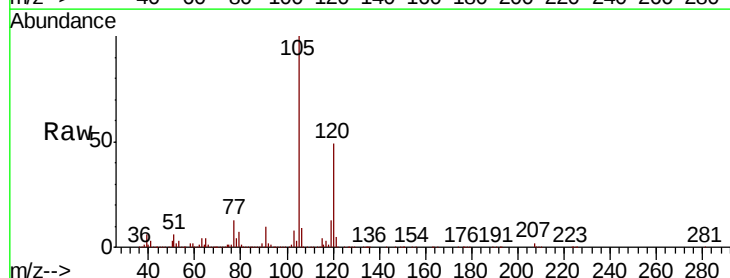
Acq: 09 Aug 2018 23:26

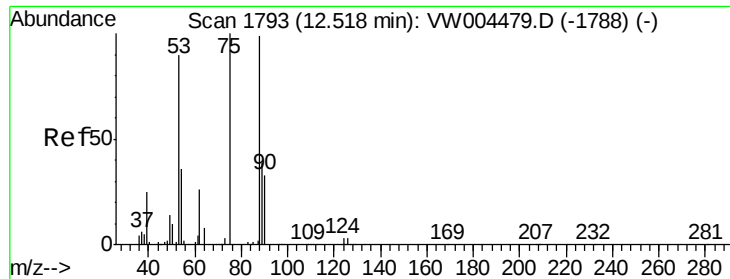
Tgt Ion: 105 Resp: 651901

Ion Ratio Lower Upper

105 100

120 48.5 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.648 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

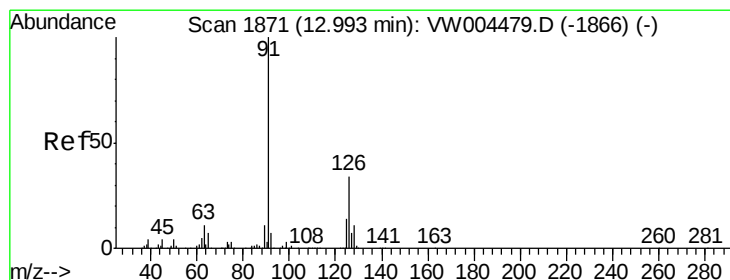
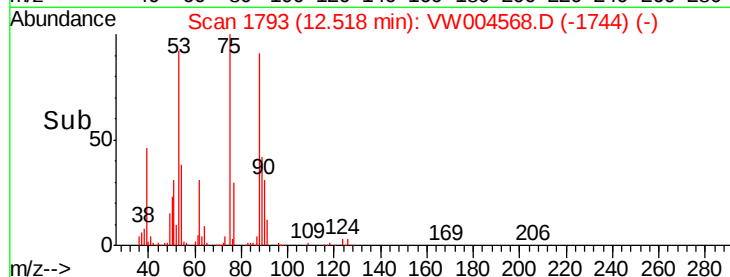
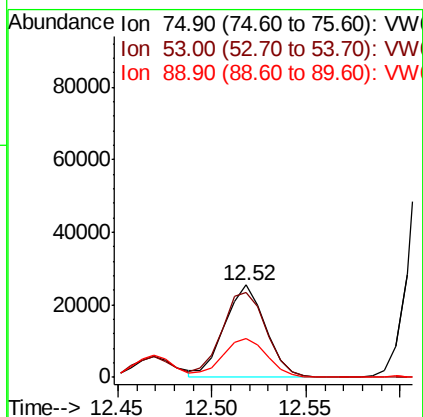
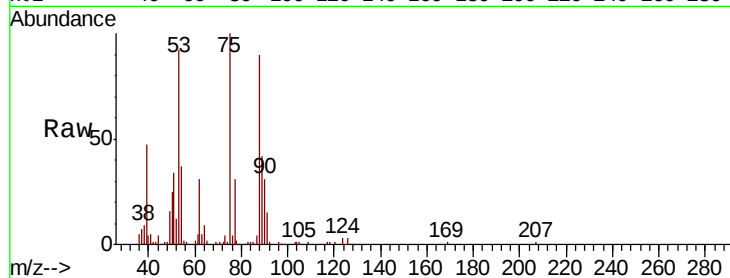
Tgt Ion: 75 Resp: 38082

Ion Ratio Lower Upper

75 100

53 100.8 74.4 111.6

89 46.5 35.9 53.9



#82

4-Chlorotoluene

Concen: 20.548 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW004568.D

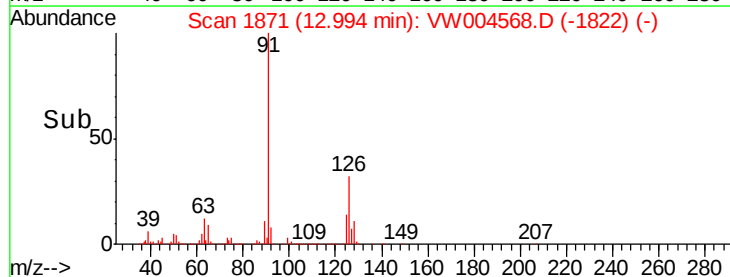
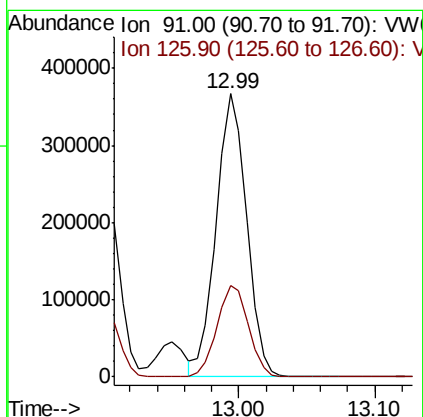
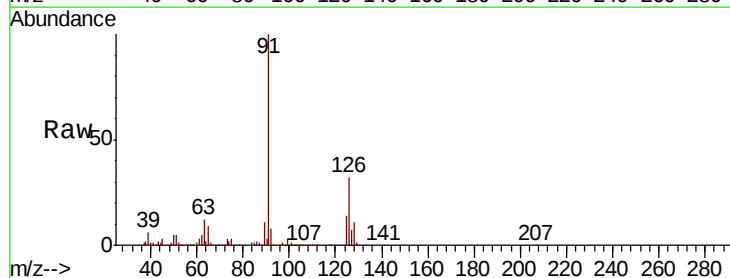
Acq: 09 Aug 2018 23:26

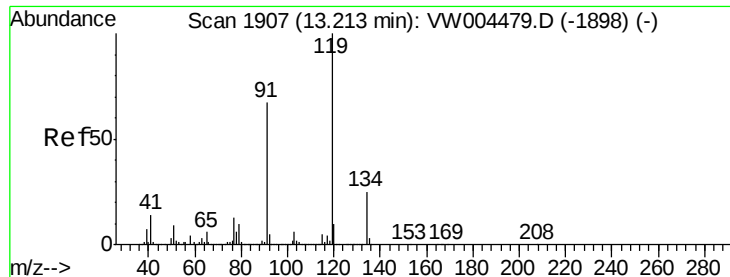
Tgt Ion: 91 Resp: 569986

Ion Ratio Lower Upper

91 100

126 33.3 16.5 49.5

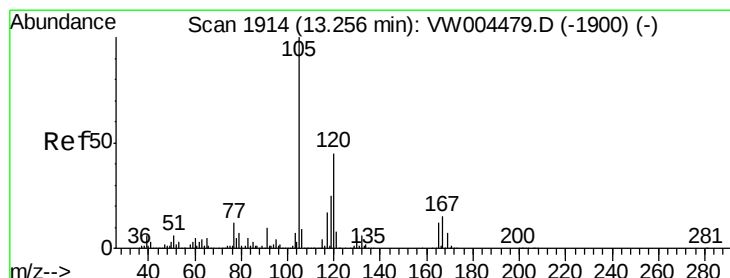
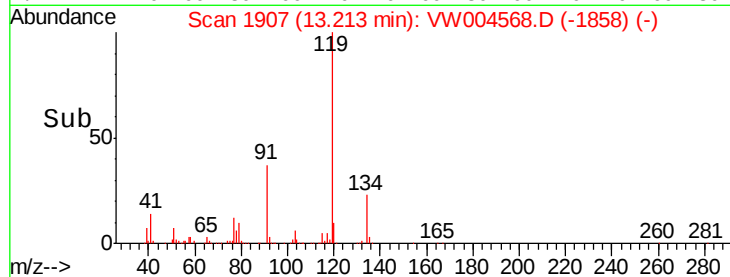
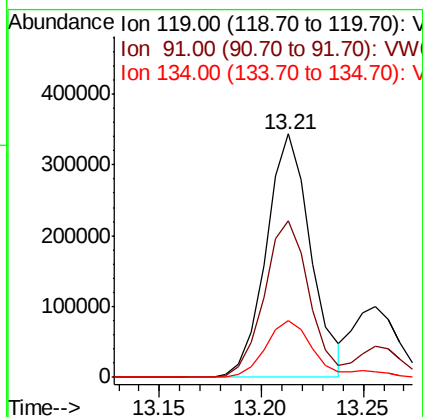
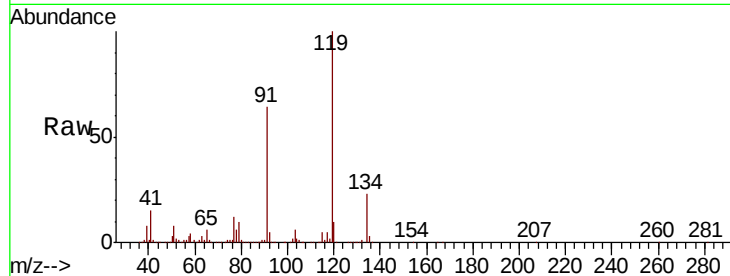




#83
 tert-Butylbenzene
 Concen: 19.990 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW004568.D
 Acq: 09 Aug 2018 23:26

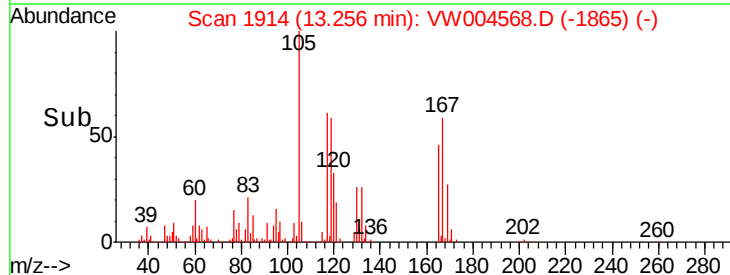
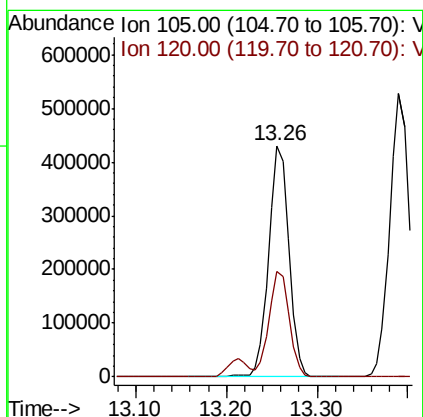
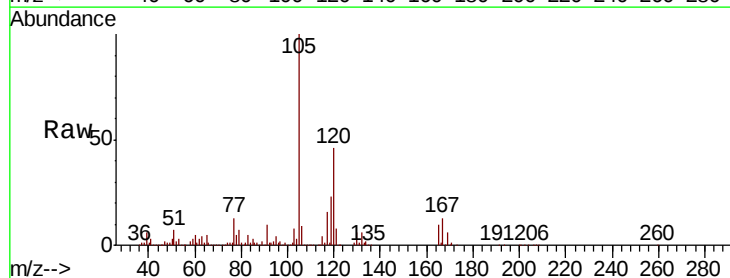
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS01

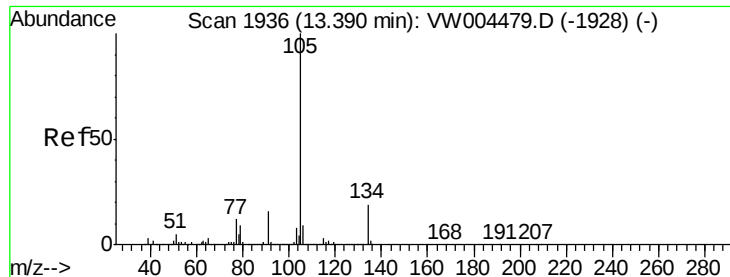
Tgt Ion	Ratio	Lower	Upper
119	100		
91	64.4	33.3	99.8
134	24.4	12.2	36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.655 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004568.D
 Acq: 09 Aug 2018 23:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.6	67.8

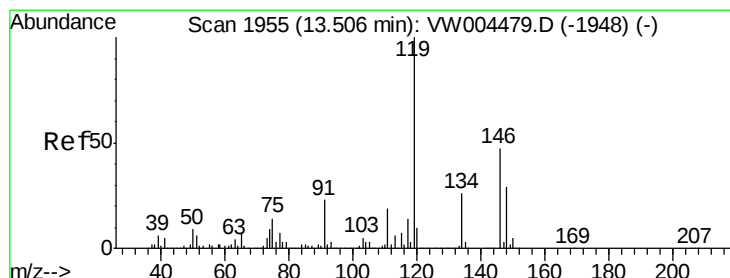
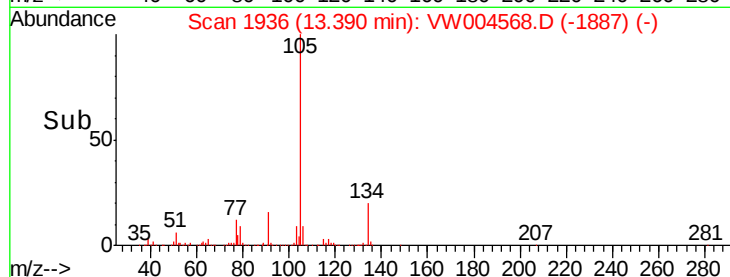
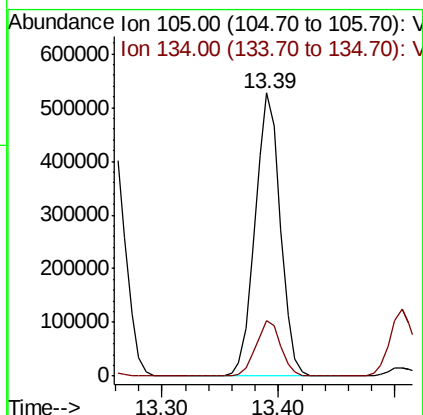
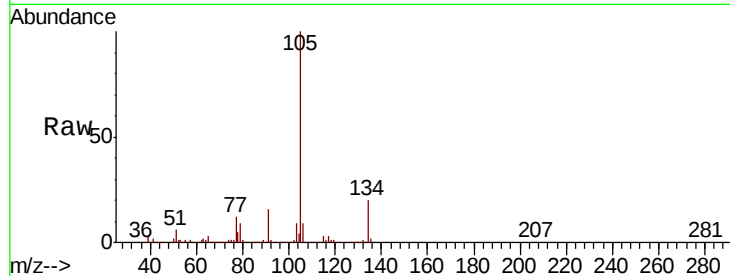




#85
 sec-Butylbenzene
 Concen: 20.150 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004568.D
 Acq: 09 Aug 2018 23:26

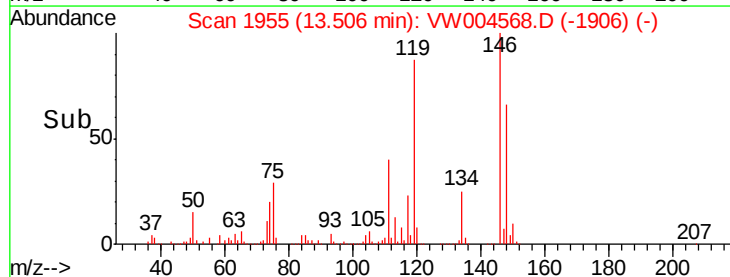
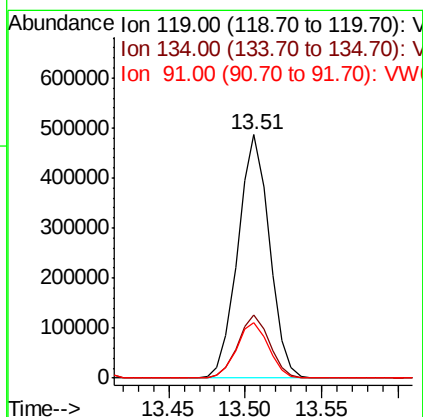
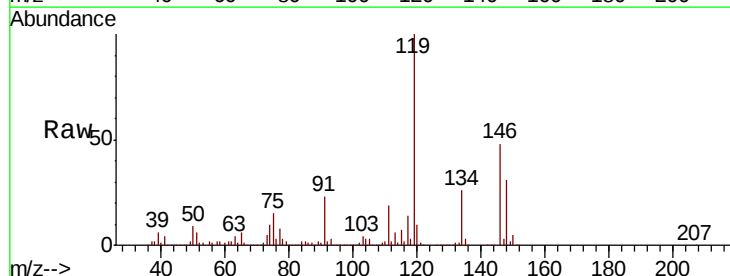
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS01

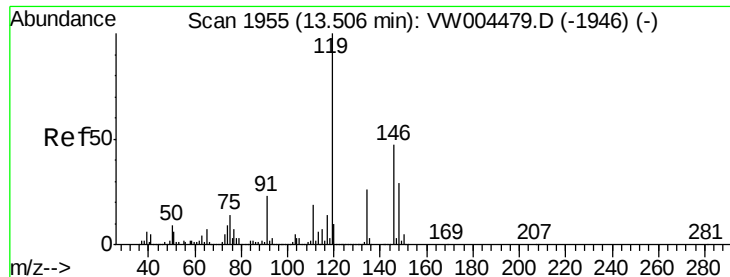
Tgt Ion:105 Resp: 796131
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 20.341 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004568.D
 Acq: 09 Aug 2018 23:26

Tgt Ion:119 Resp: 696409
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.1 39.1
 91 23.0 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 20.238 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

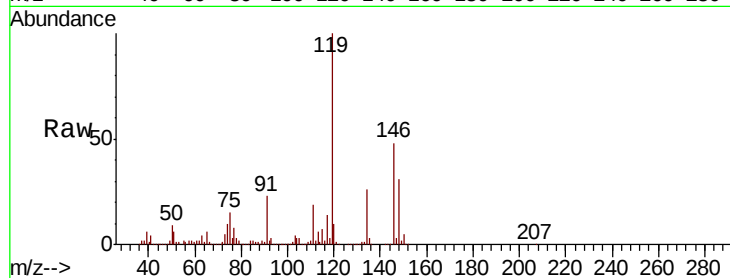
Tgt Ion:146 Resp: 369297

Ion Ratio Lower Upper

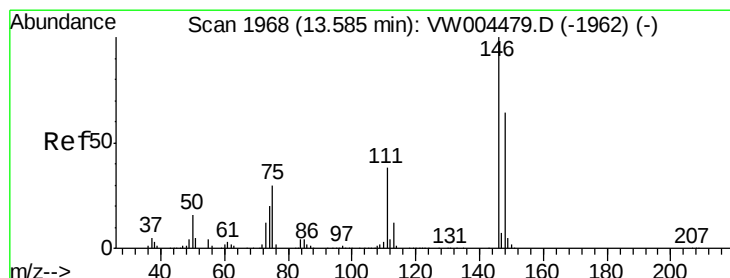
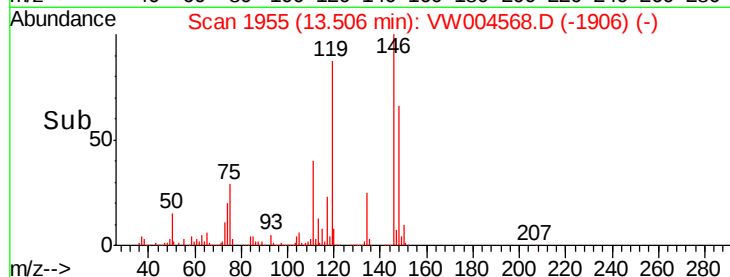
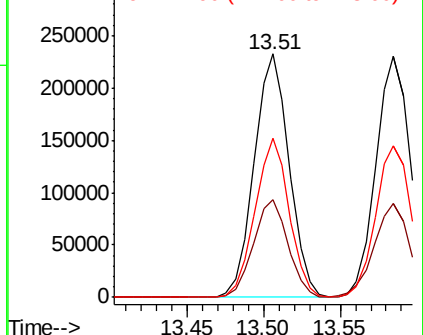
146 100

111 39.9 20.0 59.9

148 64.0 31.7 95.1



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



#88

1,4-Dichlorobenzene

Concen: 20.082 ug/l

RT: 13.59 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

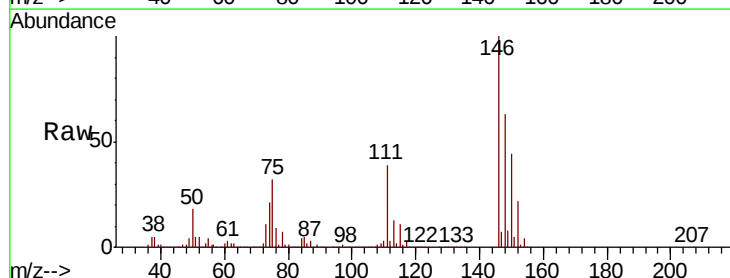
Tgt Ion:146 Resp: 364786

Ion Ratio Lower Upper

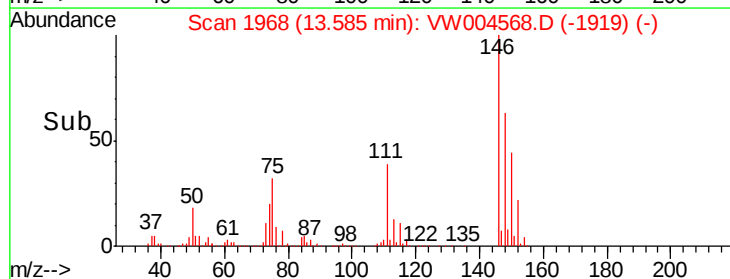
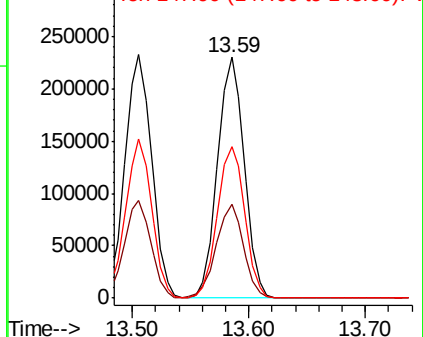
146 100

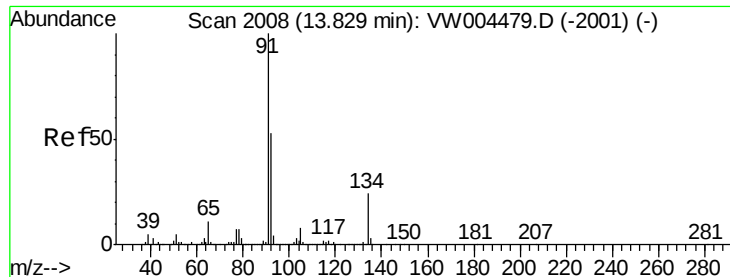
111 39.9 19.6 58.8

148 64.1 31.9 95.5



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





#89

n-Butylbenzene

Concen: 19.669 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

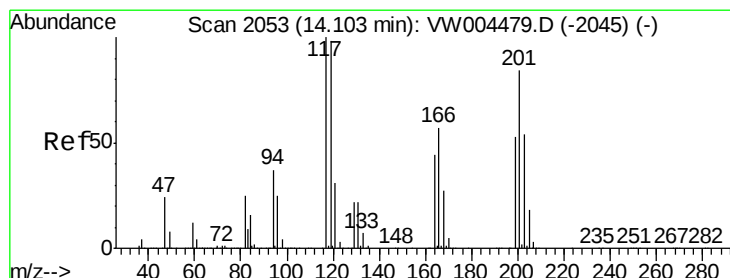
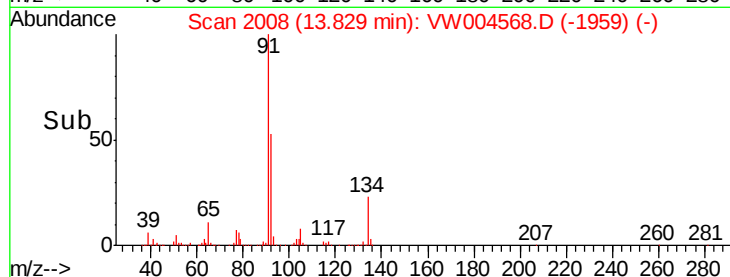
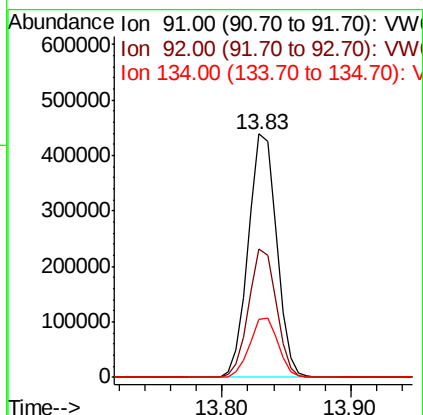
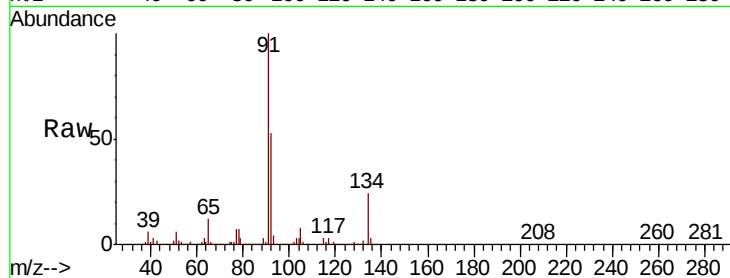
Tgt Ion: 91 Resp: 661626

Ion Ratio Lower Upper

91 100

92 51.9 26.4 79.0

134 24.6 12.4 37.2



#90

Hexachloroethane

Concen: 19.548 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW004568.D

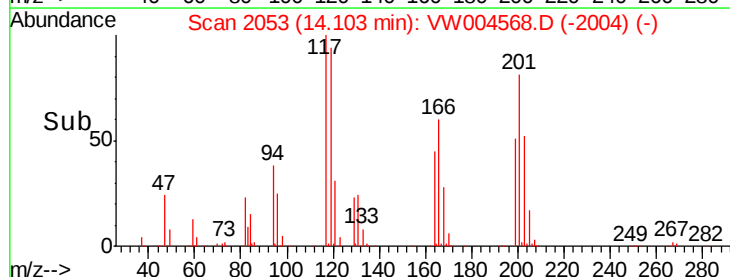
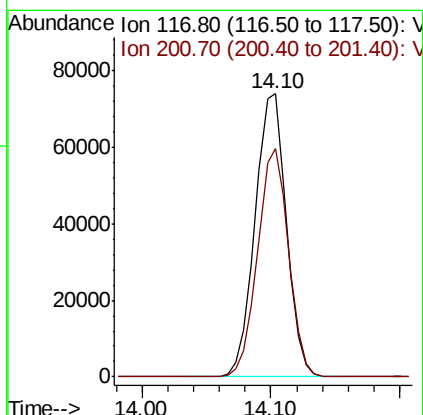
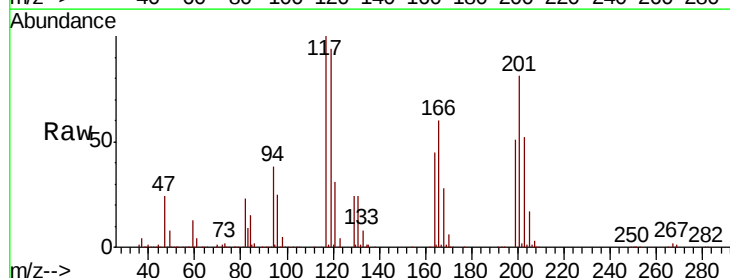
Acq: 09 Aug 2018 23:26

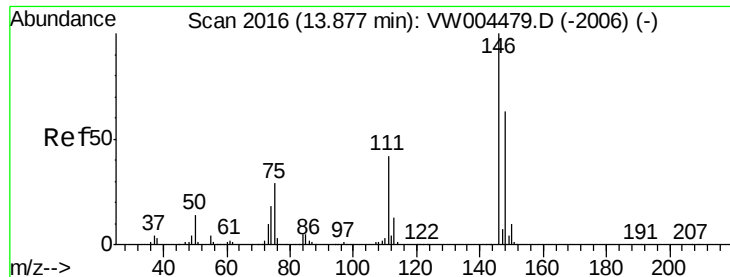
Tgt Ion: 117 Resp: 123826

Ion Ratio Lower Upper

117 100

201 79.7 40.1 120.3





#91

1,2-Dichlorobenzene

Concen: 20.150 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

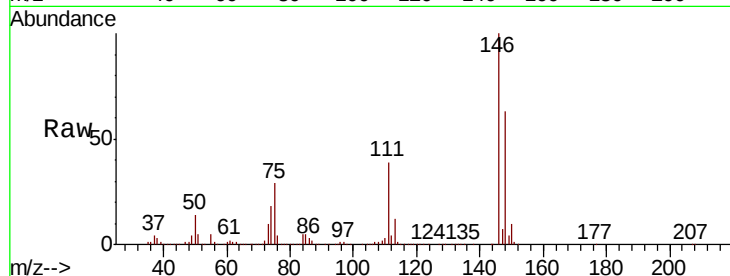
Tgt Ion:146 Resp: 333583

Ion Ratio Lower Upper

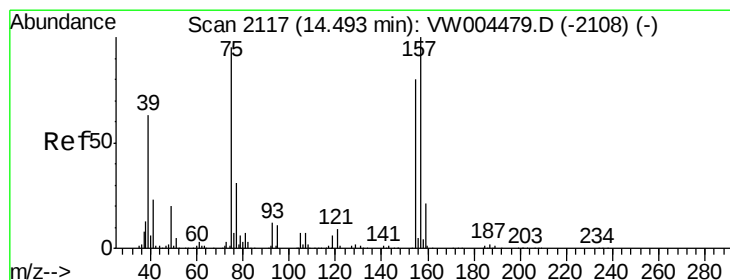
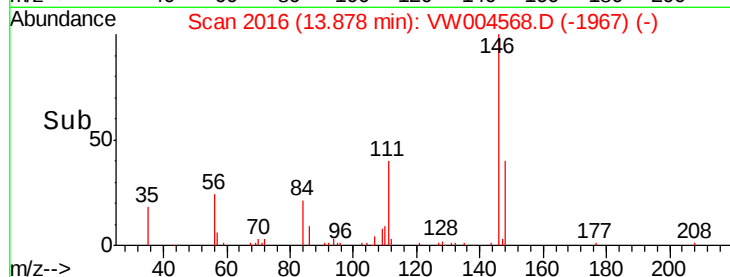
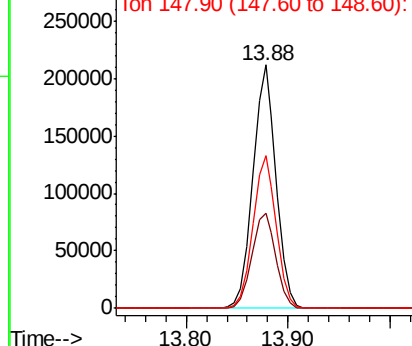
146 100

111 40.7 20.8 62.2

148 63.0 31.8 95.4



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.074 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW004568.D

Acq: 09 Aug 2018 23:26

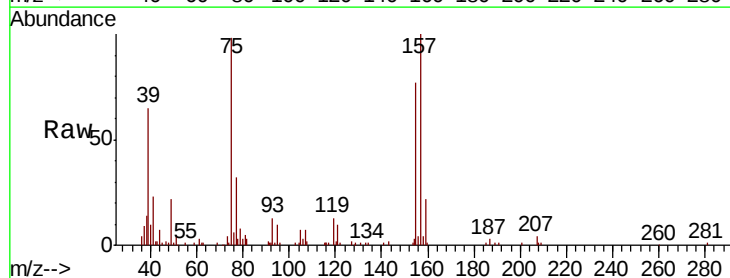
Tgt Ion: 75 Resp: 21318

Ion Ratio Lower Upper

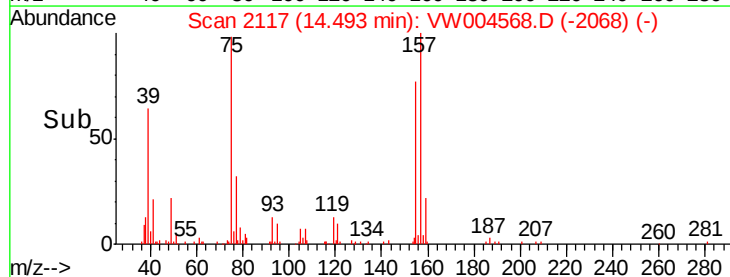
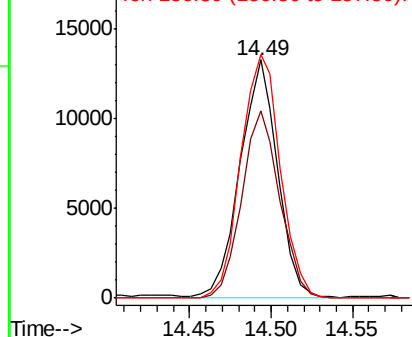
75 100

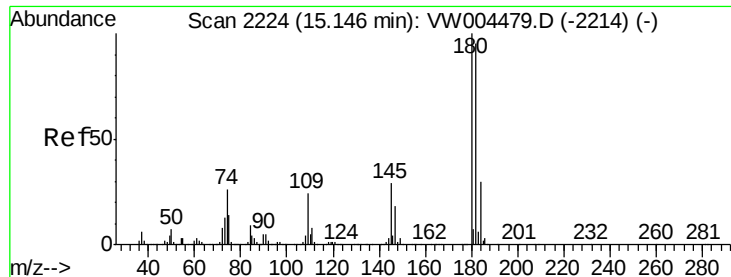
155 78.9 41.3 123.7

157 107.0 52.6 157.8



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

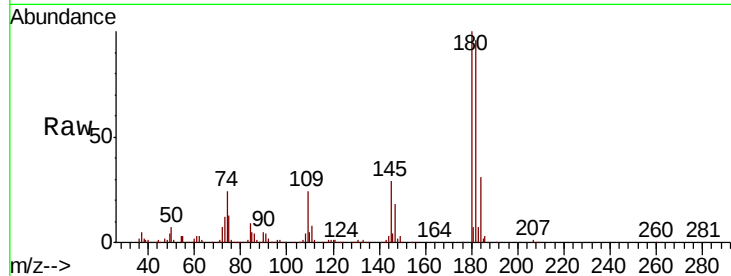




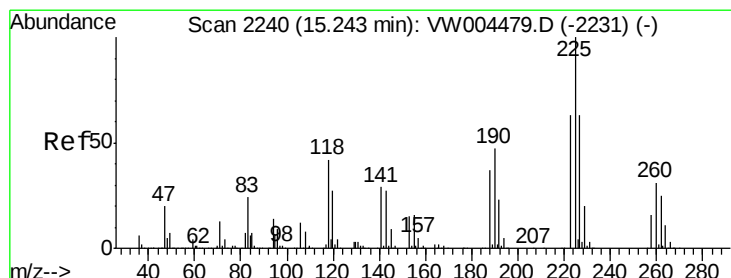
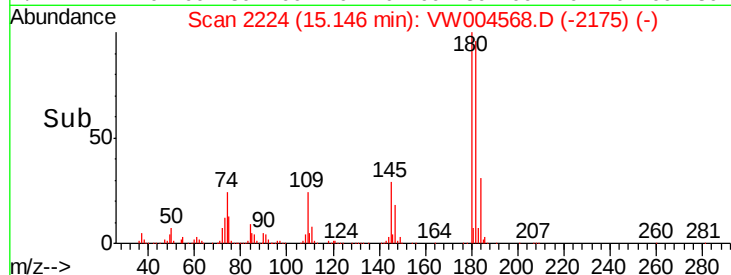
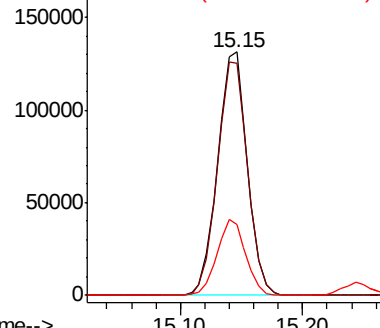
#93
 1,2,4-Trichlorobenzene
 Concen: 19.311 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004568.D
 Acq: 09 Aug 2018 23:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.9	143.6
145	30.0	14.9	44.9

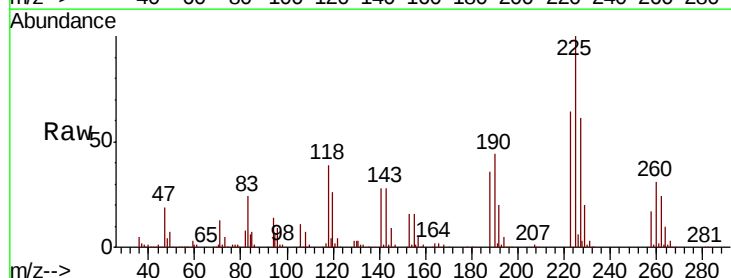


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

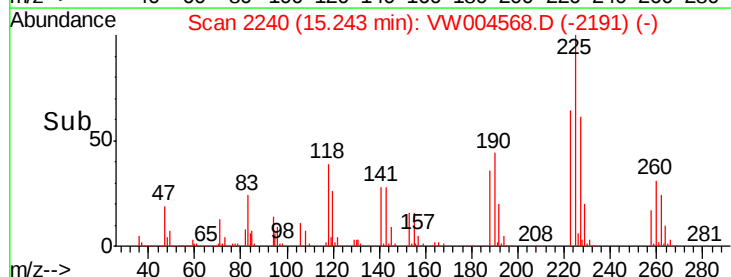
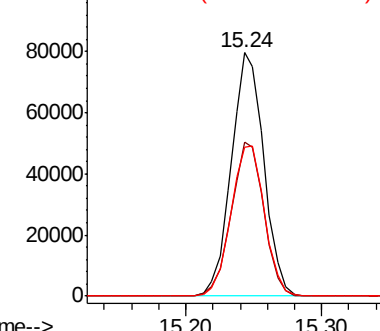


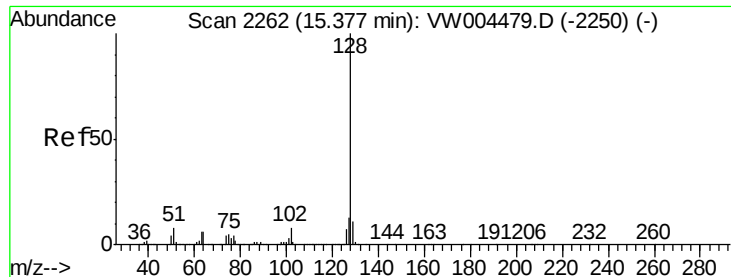
#94
 Hexachlorobutadiene
 Concen: 19.963 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW004568.D
 Acq: 09 Aug 2018 23:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.3	93.8
227	63.7	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

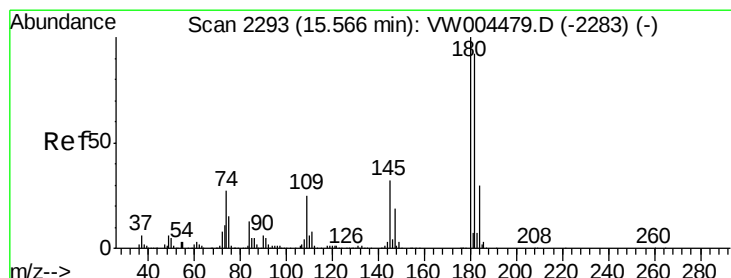
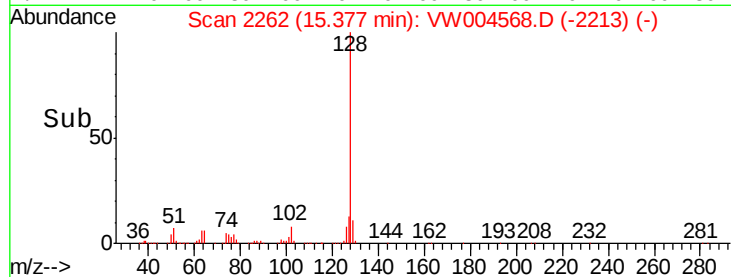
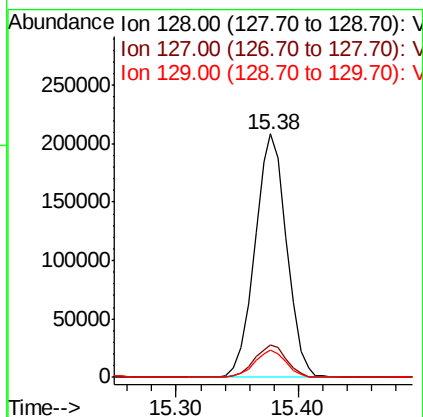
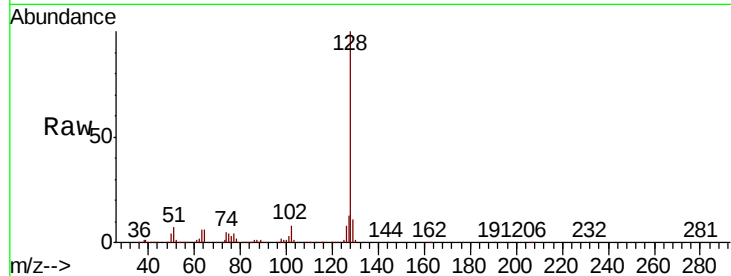




#95
Naphthalene
Concen: 17.777 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004568.D
Acq: 09 Aug 2018 23:26

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

Tgt Ion:128 Resp: 373314
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.525 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004568.D
Acq: 09 Aug 2018 23:26

Tgt Ion:180 Resp: 201106
Ion Ratio Lower Upper
180 100
182 95.5 47.0 141.2
145 31.1 15.9 47.6

