

Data File : VW008195.D
Acq On : 11 Jan 2019 15:47
Operator : SY/VA
Sample : VW0111SBSD01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

Quant Time: Jan 12 00:09:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	108986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	183710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	166431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	82070	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	58252	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
35) Dibromofluoromethane	7.88	113	57180	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
50) Toluene-d8	10.32	98	237583	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
62) 4-Bromofluorobenzene	12.62	95	81128	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	15558	17.491	ug/l	92
3) Chloromethane	2.21	50	22094	19.146	ug/l	100
4) Vinyl Chloride	2.37	62	29288	19.447	ug/l	99
5) Bromomethane	2.79	94	23900	21.184	ug/l	93
6) Chloroethane	2.92	64	20513	18.100	ug/l	100
7) Trichlorofluoromethane	3.26	101	24338	19.877	ug/l	93
8) Diethyl Ether	3.68	74	14016	20.249	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	24490	20.146	ug/l	93
10) Methyl Iodide	4.26	142	37440	21.132	ug/l	100
11) Tert butyl alcohol	5.21	59	4564	37.734	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	24425	20.465	ug/l	99
13) Acrolein	3.90	56	6597	79.878	ug/l	95
14) Allyl chloride	4.66	41	43700	20.167	ug/l	98
15) Acrylonitrile	5.38	53	26304	99.815	ug/l	98
16) Acetone	4.14	43	26485	108.302	ug/l	94
17) Carbon Disulfide	4.37	76	75111	20.146	ug/l	99
18) Methyl Acetate	4.67	43	14550	18.794	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	39908	20.568	ug/l	95
20) Methylene Chloride	4.91	84	31200	23.303	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	26271	20.255	ug/l	94
22) Diisopropyl ether	6.31	45	82623	19.992	ug/l	98
23) Vinyl Acetate	6.26	43	219664	101.204	ug/l	100
24) 1,1-Dichloroethane	6.21	63	47976	19.924	ug/l	97
25) 2-Butanone	7.17	43	34689	101.784	ug/l	100
26) 2,2-Dichloropropane	7.17	77	32922	20.178	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	28677	20.265	ug/l	96
28) Bromochloromethane	7.51	49	19046	19.997	ug/l	93
29) Tetrahydrofuran	7.54	42	21118	92.763	ug/l	96
30) Chloroform	7.67	83	46578	20.322	ug/l	99
31) Cyclohexane	7.95	56	48233	18.711	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	41334	20.726	ug/l	99
36) 1,1-Dichloropropene	8.09	75	39154	20.690	ug/l	99
37) Ethyl Acetate	7.26	43	14829	19.559	ug/l	97
38) Carbon Tetrachloride	8.06	117	37181	21.466	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	48535	20.227	ug/l	93
40) Benzene	8.32	78	110427	21.514	ug/l	98
41) Methacrylonitrile	7.48	41	9626	20.099	ug/l	94
42) 1,2-Dichloroethane	8.40	62	30100	20.851	ug/l	99
43) Isopropyl Acetate	8.42	43	30221	19.937	ug/l	98
44) Trichloroethene	9.09	130	28612	21.776	ug/l	98
45) 1,2-Dichloropropane	9.37	63	26275	20.645	ug/l	95
46) Dibromomethane	9.46	93	13357	21.370	ug/l	95
47) Bromodichloromethane	9.64	83	33792	21.292	ug/l #	98
48) Methyl methacrylate	9.44	41	14151	19.784	ug/l	93
49) 1,4-Dioxane	9.48	88	3902	388.198	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	73745	100.504	ug/l	99
52) Toluene	10.39	92	70560	21.526	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	34030	20.614	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	40420	20.648	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	19035	21.691	ug/l	98
56) Ethyl methacrylate	10.65	69	21675	19.945	ug/l	98
57) 1,3-Dichloropropane	10.93	76	33933	21.143	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	58809	104.761	ug/l	98
59) 2-Hexanone	10.97	43	51693	104.179	ug/l	98
60) Dibromochloromethane	11.13	129	21708	22.527	ug/l	100
61) 1,2-Dibromoethane	11.24	107	18565	22.296	ug/l	99
64) Tetrachloroethene	10.86	164	23479	21.677	ug/l	89
65) Chlorobenzene	11.66	112	74069	21.007	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	25214	21.986	ug/l	99
67) Ethyl Benzene	11.73	91	130459	20.221	ug/l	98
68) m/p-Xylenes	11.84	106	103949	42.213	ug/l	97
69) o-Xylene	12.17	106	47469	20.816	ug/l	97
70) Styrene	12.18	104	77033	21.567	ug/l	98
71) Bromoform	12.35	173	11829	23.047	ug/l #	96
73) Isopropylbenzene	12.47	105	131344	20.385	ug/l	100
74) N-amyl acetate	12.27	43	27170	19.041	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	20923	20.287	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	27760	37.105	ug/l #	1
77) Bromobenzene	12.75	156	29233	21.472	ug/l	91
78) n-propylbenzene	12.81	91	160364	20.313	ug/l	99
79) 2-Chlorotoluene	12.90	91	88688	20.135	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	109883	20.753	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	6658	20.724	ug/l	96
82) 4-Chlorotoluene	12.99	91	94808	20.438	ug/l	97
83) tert-Butylbenzene	13.21	119	96630	20.629	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	111086	20.342	ug/l	100
85) sec-Butylbenzene	13.39	105	141310	20.594	ug/l	99
86) p-Isopropyltoluene	13.51	119	121960	20.583	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	58557	21.203	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	58131	20.979	ug/l	99
89) n-Butylbenzene	13.83	91	119076	20.518	ug/l	99
90) Hexachloroethane	14.10	117	21218	21.200	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	51195	21.093	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3450	20.786	ug/l	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011119\
Quantitation Report (Not Reviewed)

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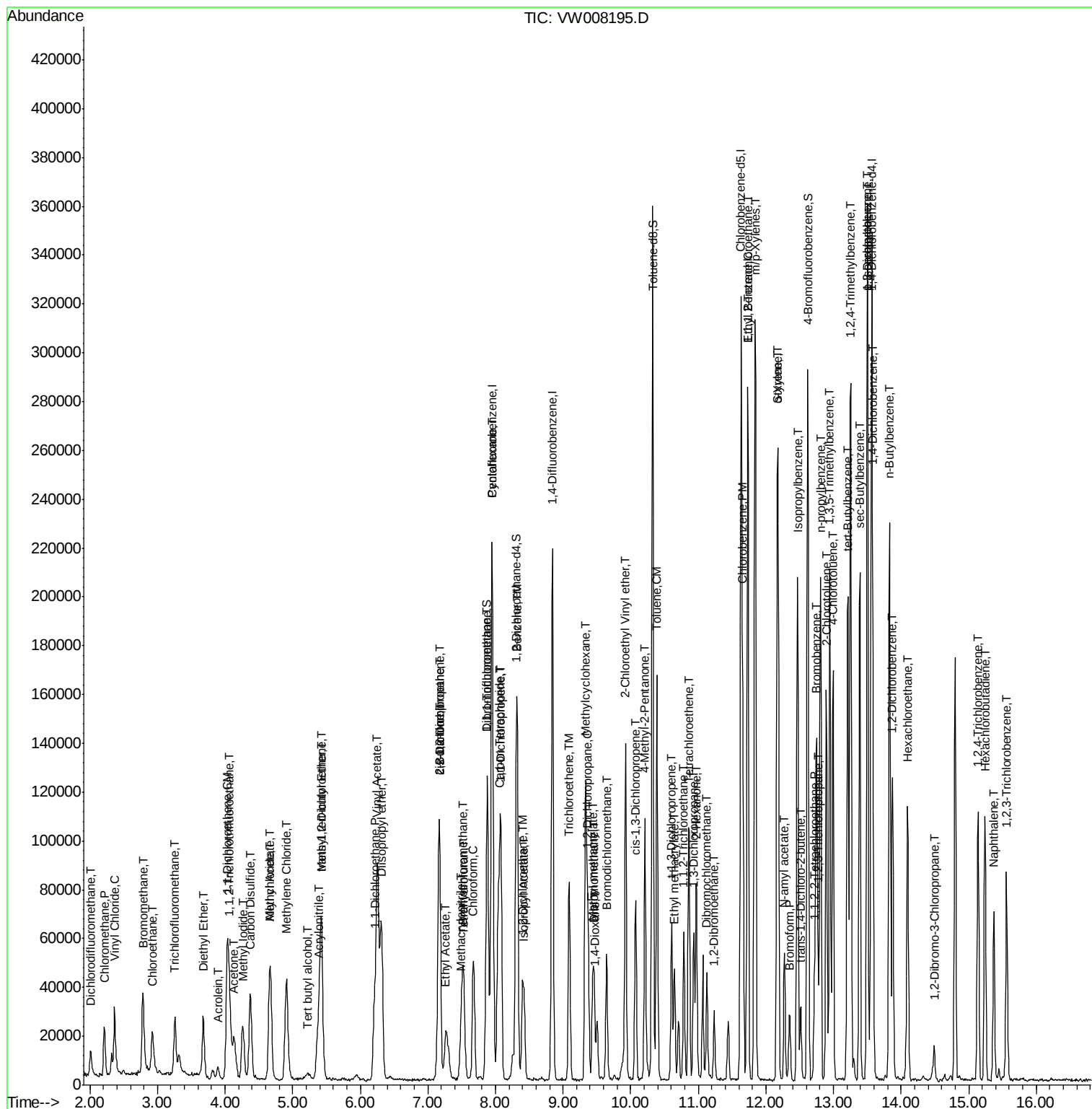
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	33203	20.605	ug/l	99
94) Hexachlorobutadiene	15.24	225	19291	22.366	ug/l	98
95) Naphthalene	15.38	128	59164	19.663	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	28488	20.738	ug/l	98

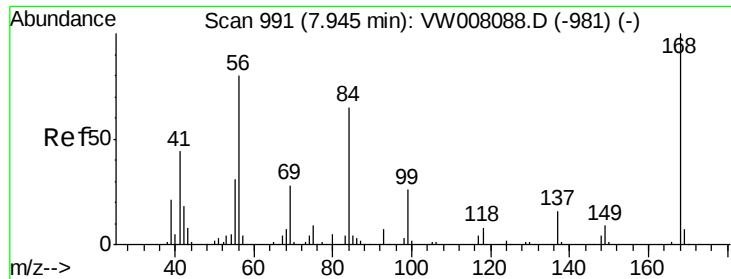
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

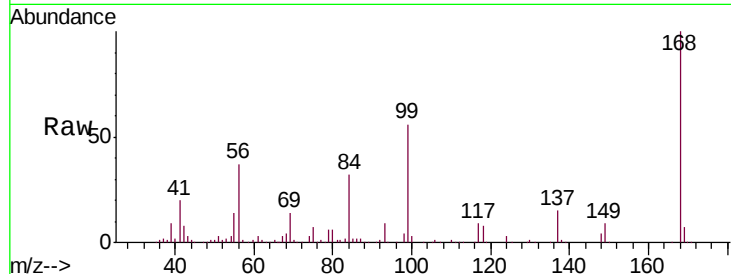
Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

Tgt Ion:168 Resp: 108986

Ion Ratio Lower Upper

168 100

99 55.3 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

30000

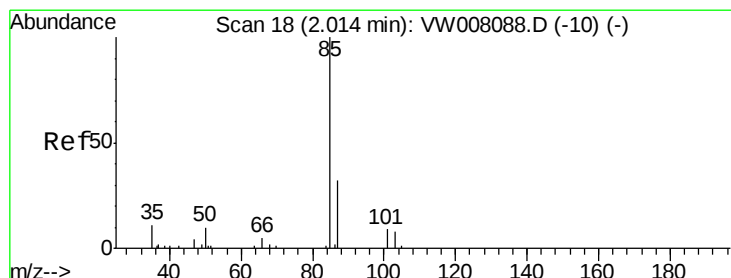
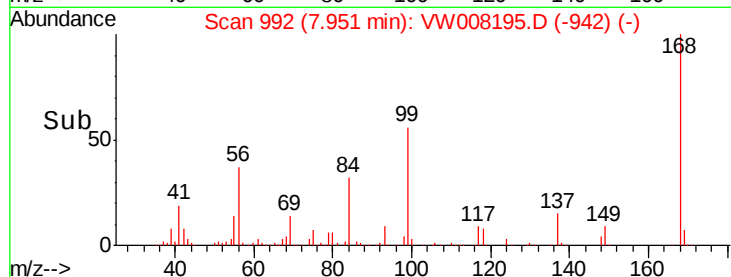
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 17.491 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW008195.D

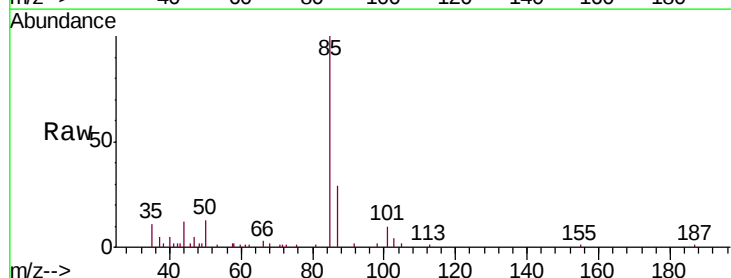
Acq: 11 Jan 2019 15:47

Tgt Ion: 85 Resp: 15558

Ion Ratio Lower Upper

85 100

87 27.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

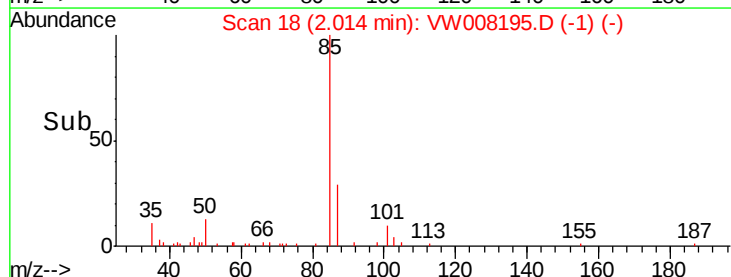
4000

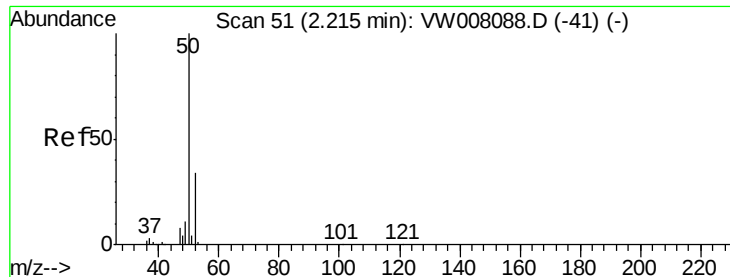
2000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.146 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

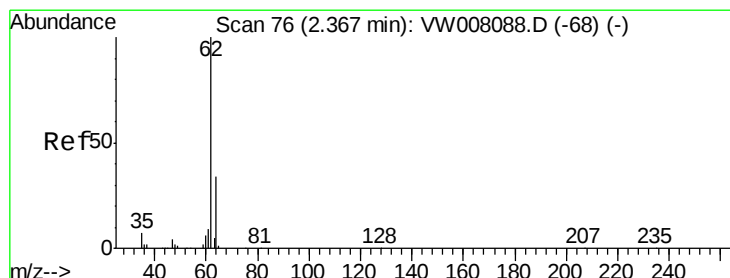
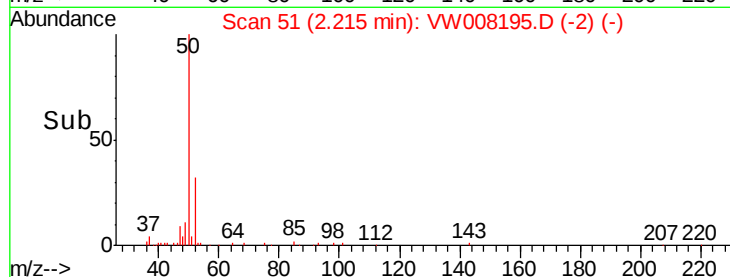
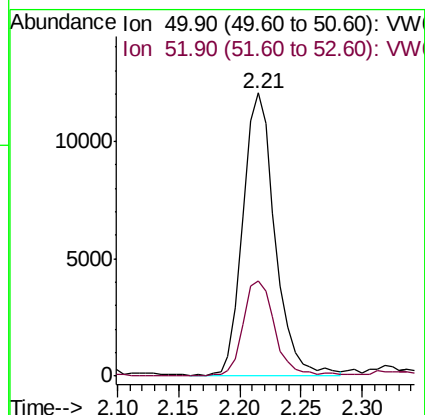
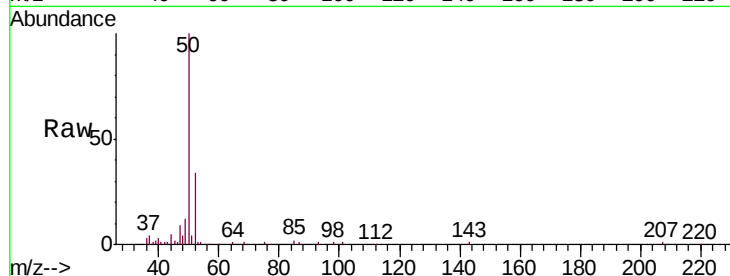
VW0111SBSD01

Tgt Ion: 50 Resp: 22094

Ion Ratio Lower Upper

50 100

52 33.6 26.8 40.2



#4

Vinyl Chloride

Concen: 19.447 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008195.D

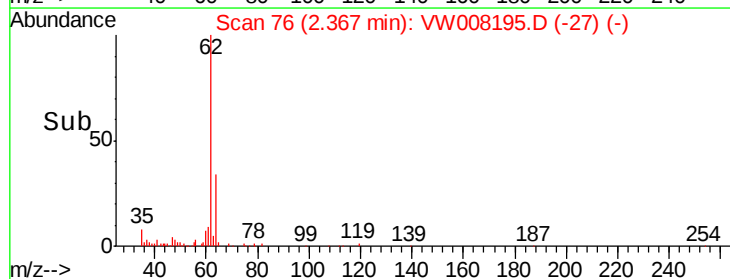
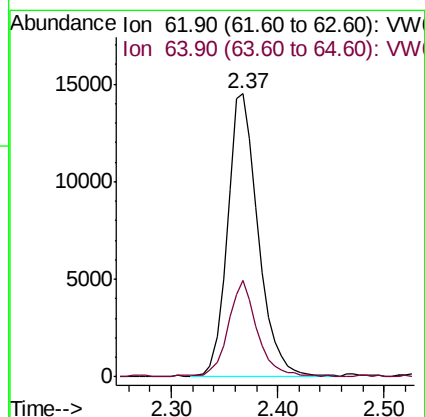
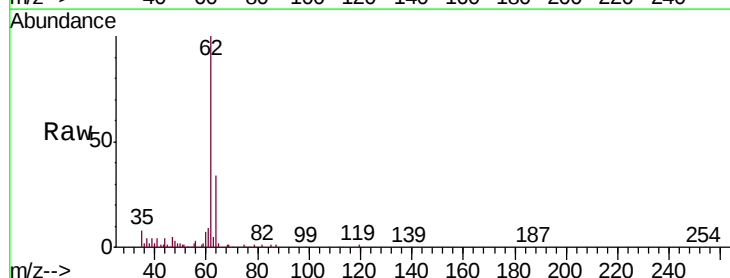
Acq: 11 Jan 2019 15:47

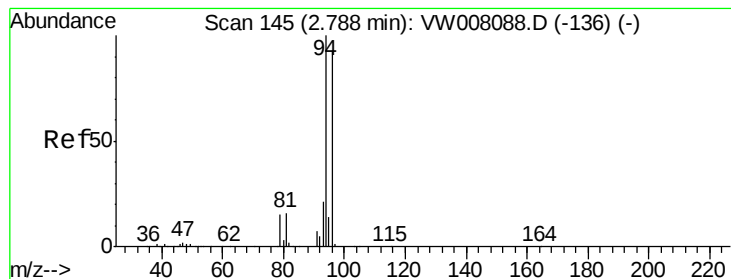
Tgt Ion: 62 Resp: 29288

Ion Ratio Lower Upper

62 100

64 34.3 27.0 40.6





#5

Bromomethane

Concen: 21.184 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

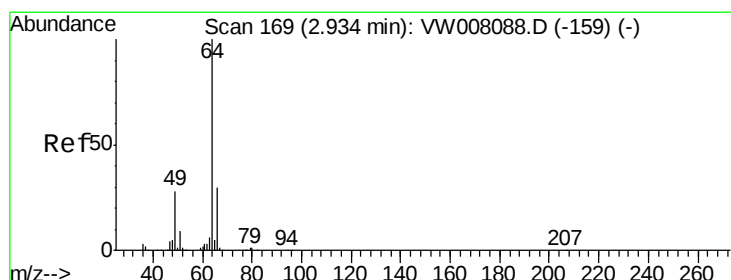
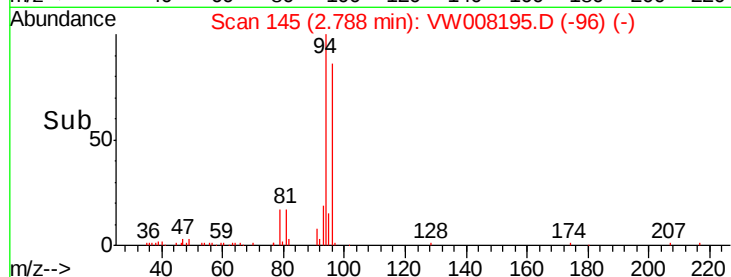
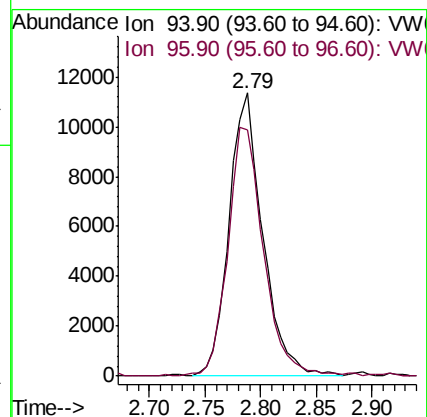
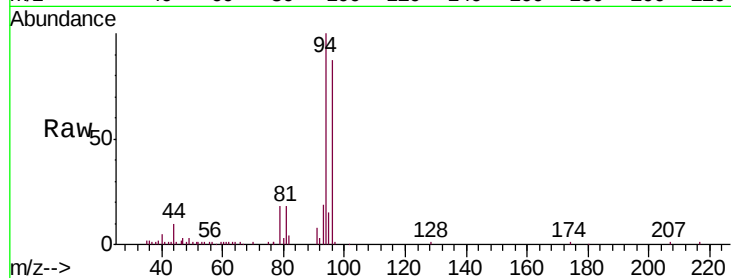
VW0111SBSD01

Tgt Ion: 94 Resp: 23900

Ion Ratio Lower Upper

94 100

96 86.1 74.1 111.1



#6

Chloroethane

Concen: 18.100 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008195.D

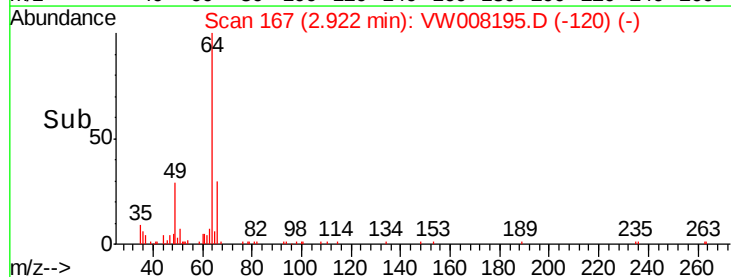
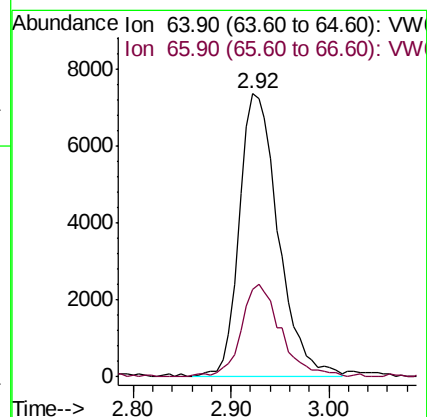
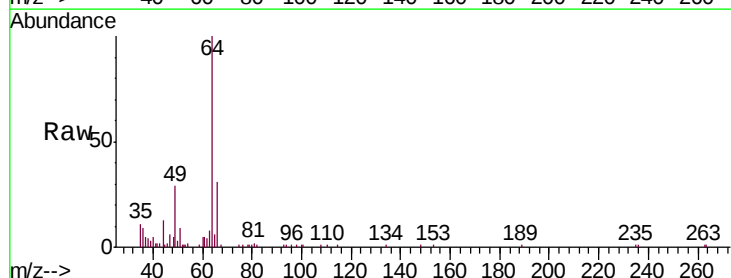
Acq: 11 Jan 2019 15:47

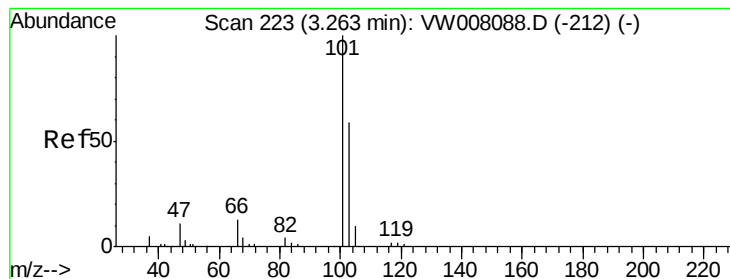
Tgt Ion: 64 Resp: 20513

Ion Ratio Lower Upper

64 100

66 30.1 24.2 36.2



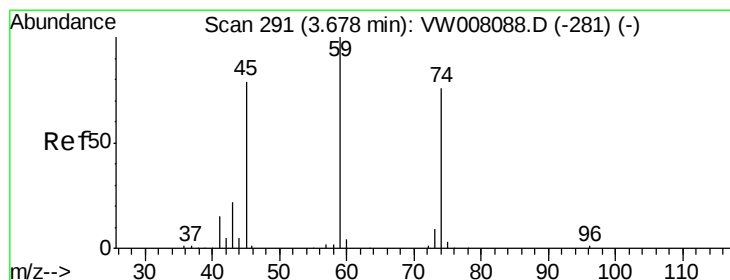
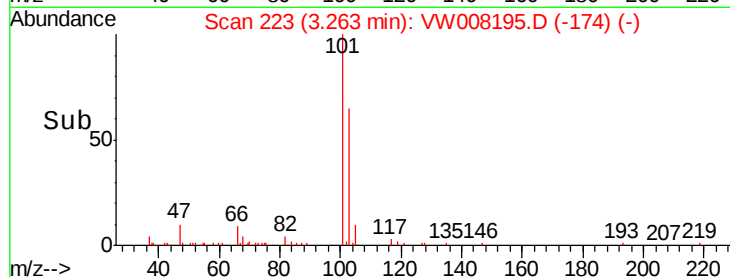
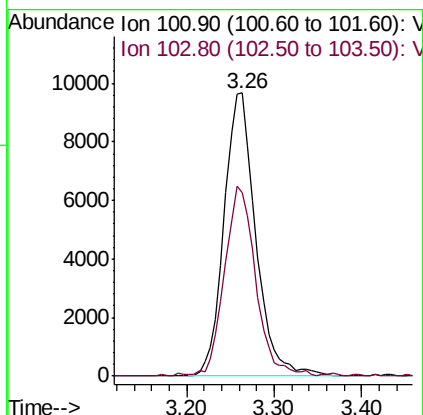
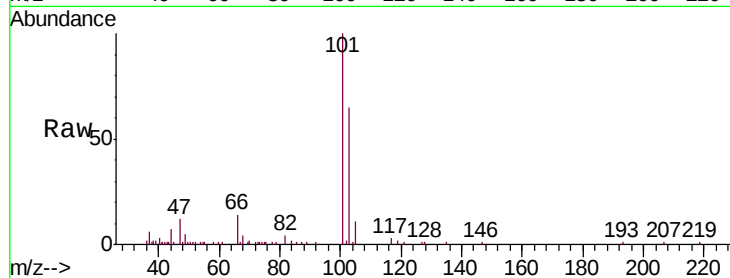


#7

Trichlorofluoromethane
 Concen: 19.877 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW008195.D
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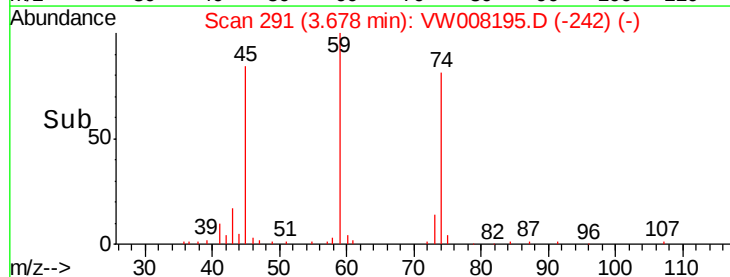
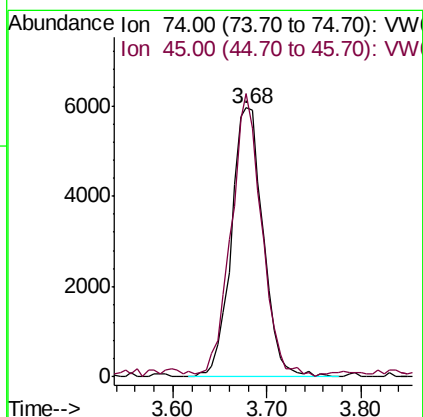
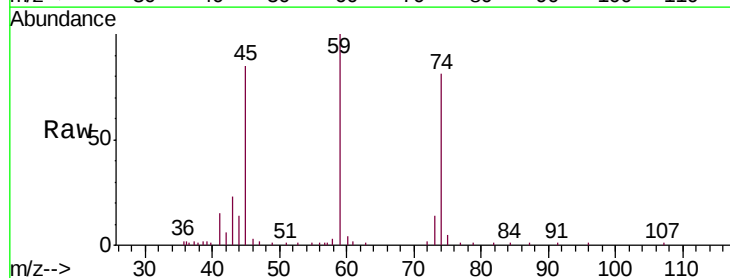
Tgt Ion:101 Resp: 24338
 Ion Ratio Lower Upper
 101 100
 103 64.2 47.0 70.6

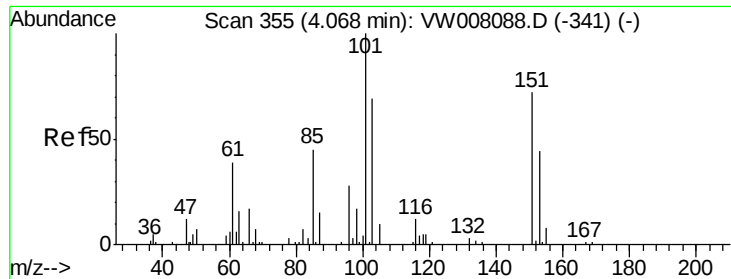


#8

Diethyl Ether
 Concen: 20.249 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Tgt Ion: 74 Resp: 14016
 Ion Ratio Lower Upper
 74 100
 45 101.5 52.4 157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.146 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

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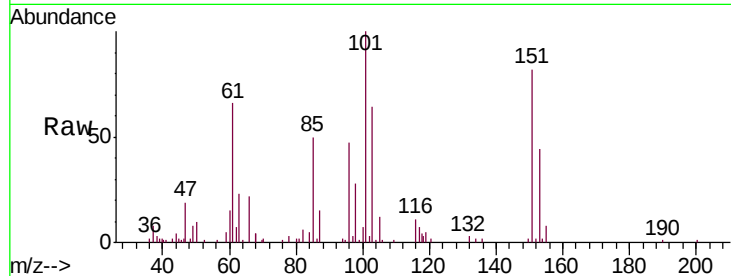
Tgt Ion:101 Resp: 24490

Ion Ratio Lower Upper

101 100

85 46.5 35.9 53.9

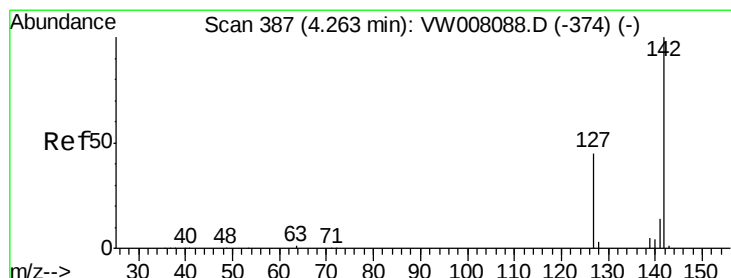
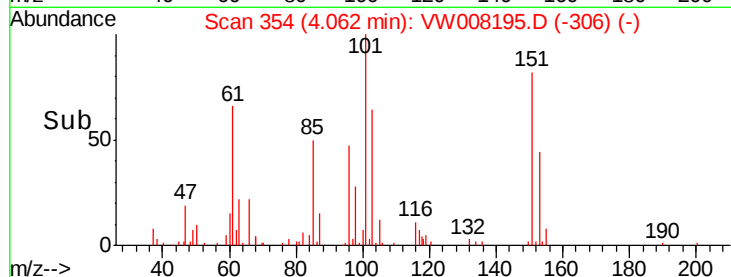
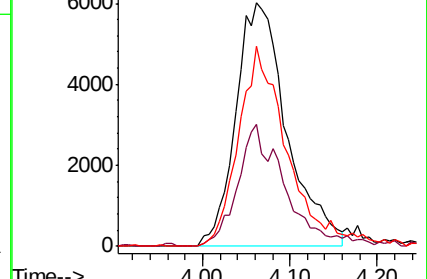
151 78.0 55.8 83.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.132 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

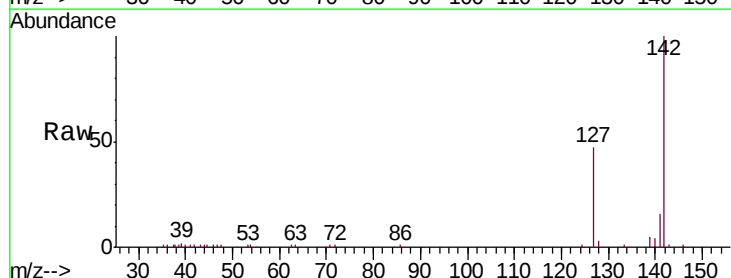
Tgt Ion:142 Resp: 37440

Ion Ratio Lower Upper

142 100

127 43.6 35.0 52.4

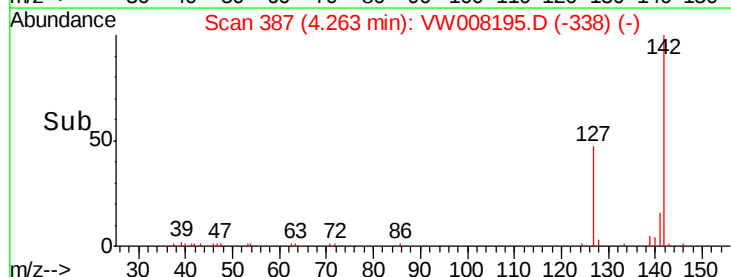
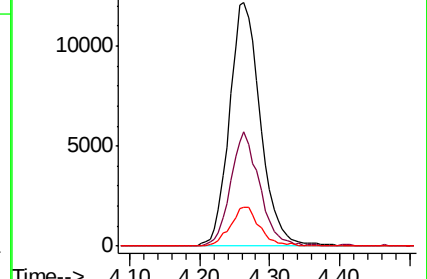
141 15.2 11.8 17.6

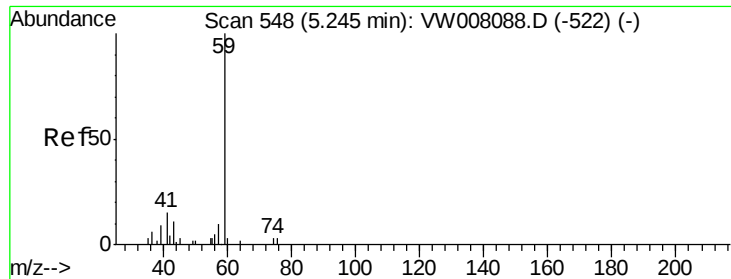


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



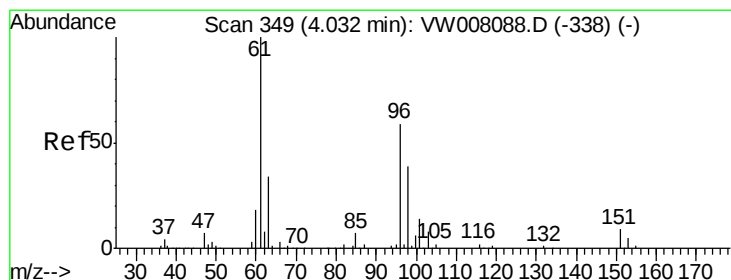
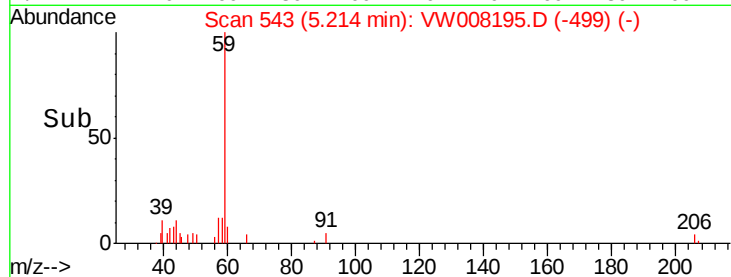
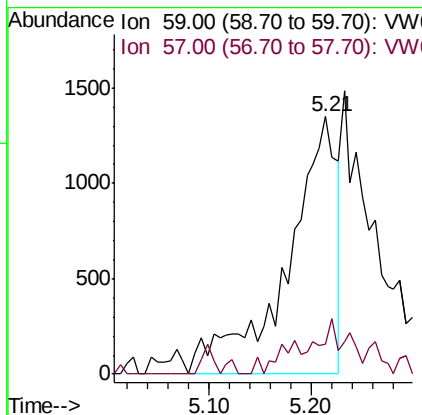
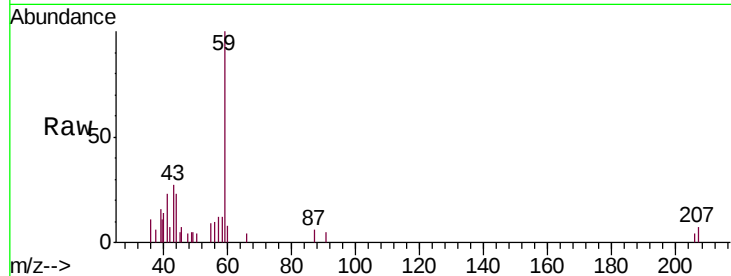


#11

Tert butyl alcohol
 Concen: 37.734 ug/l
 RT: 5.21 min Scan# 543
 Delta R.T. -0.03 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD01

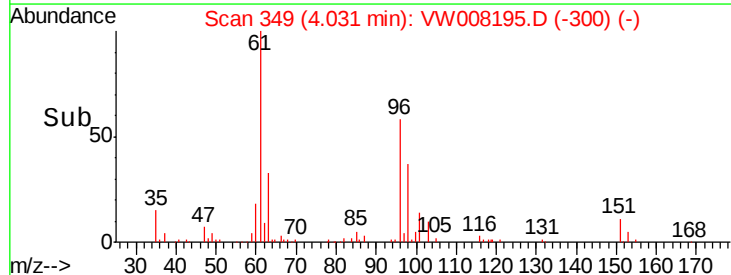
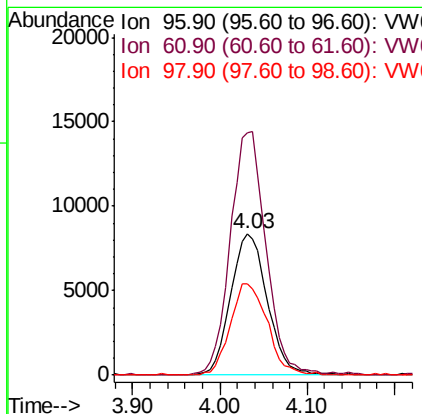
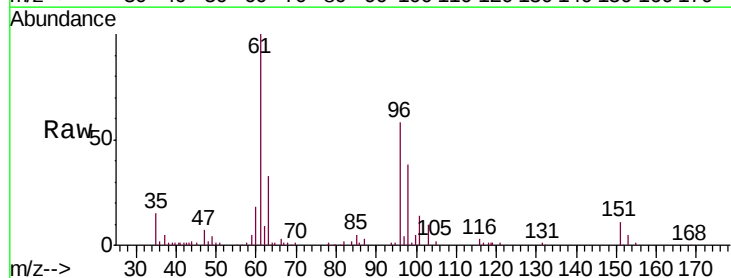
Tgt Ion: 59 Resp: 4564
 Ion Ratio Lower Upper
 59 100
 57 11.9 0.0 0.0#

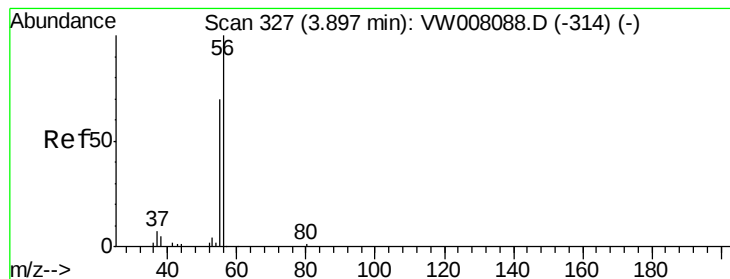


#12

1,1-Dichloroethene
 Concen: 20.465 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Tgt Ion: 96 Resp: 24425
 Ion Ratio Lower Upper
 96 100
 61 171.4 135.4 203.2
 98 64.8 52.5 78.7





#13

Acrolein

Concen: 79.878 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

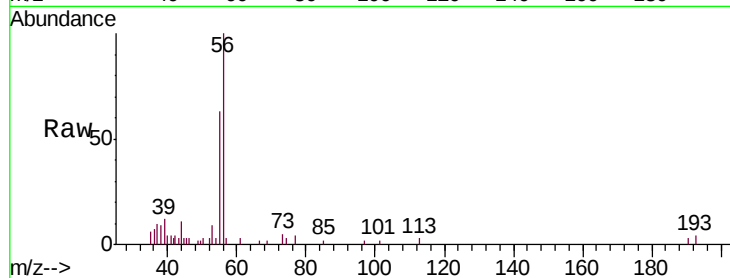
VW0111SBSD01

Tgt Ion: 56 Resp: 6597

Ion Ratio Lower Upper

56 100

55 66.6 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.90

2500

2000

1500

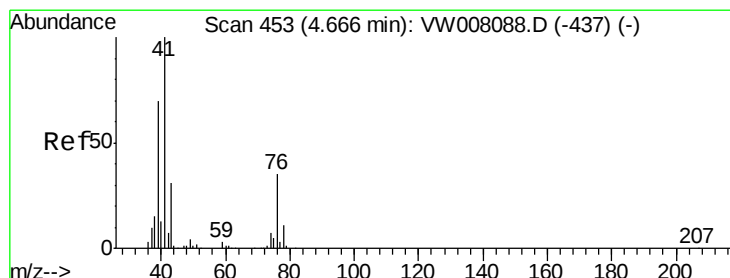
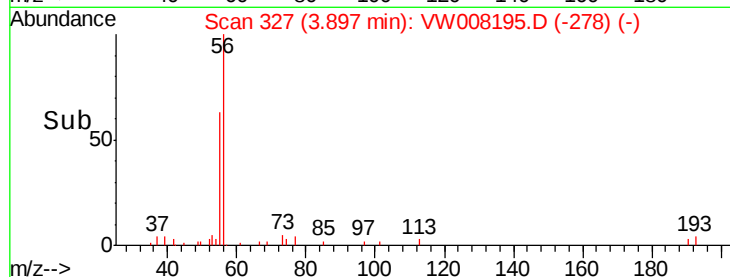
1000

500

0

Time-->

3.80 3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 20.167 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

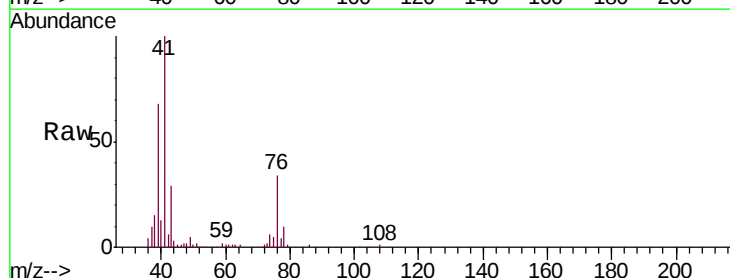
Tgt Ion: 41 Resp: 43700

Ion Ratio Lower Upper

41 100

39 65.8 53.8 80.8

76 35.1 27.6 41.4



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

15000

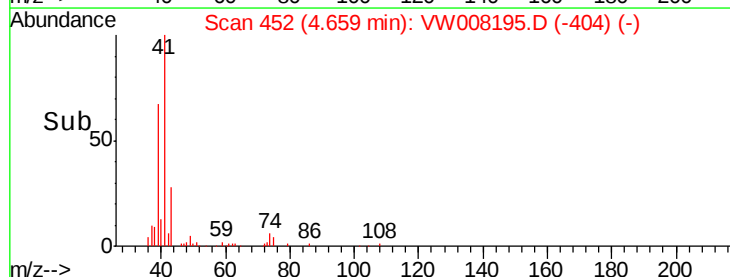
10000

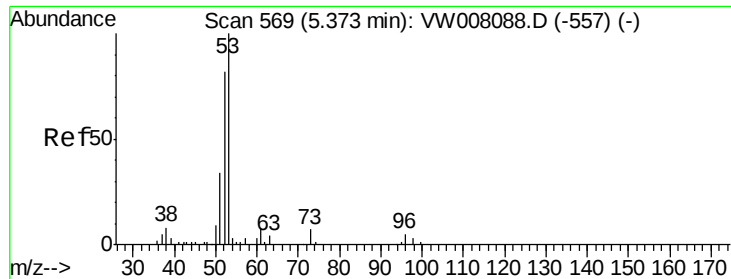
5000

0

Time-->

4.50 4.60 4.70 4.80

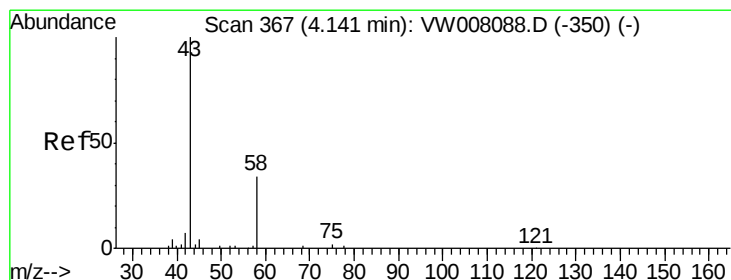
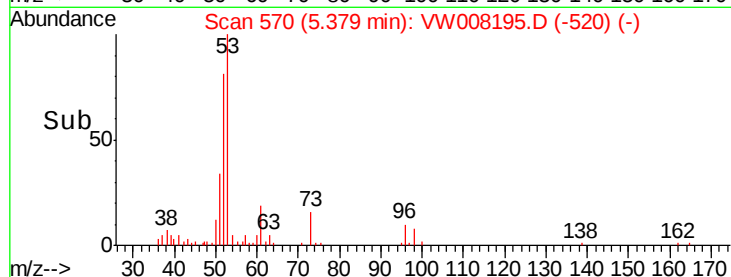
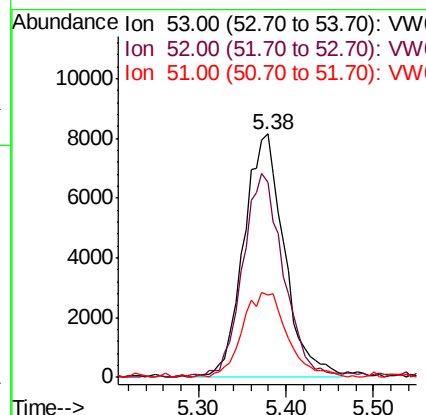
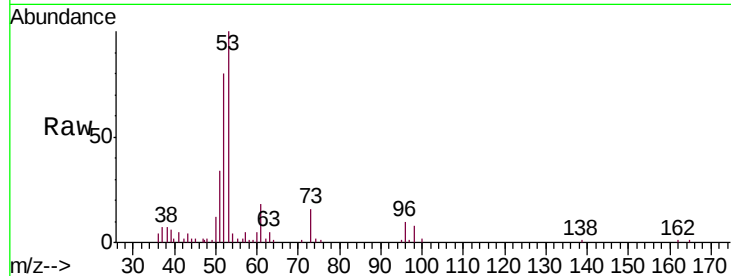




#15
 Acrylonitrile
 Concen: 99.815 ug/l
 RT: 5.38 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

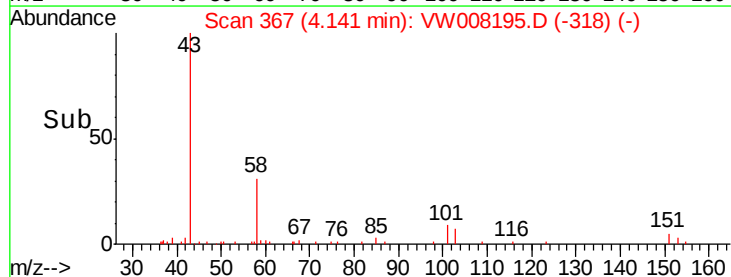
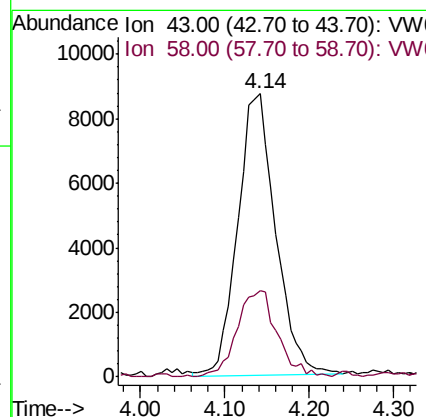
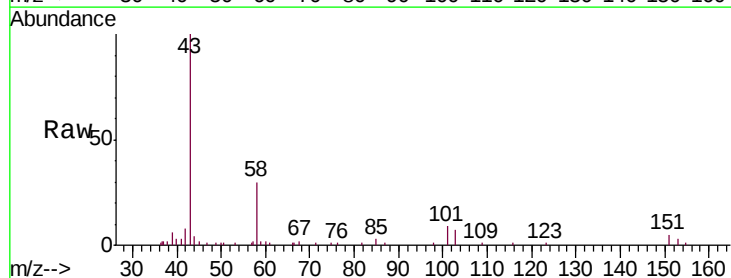
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD01

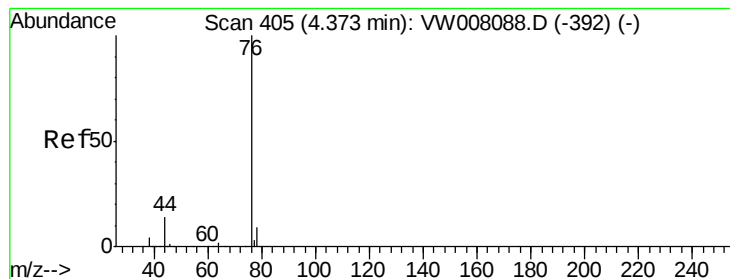
Tgt Ion: 53 Resp: 26304
 Ion Ratio Lower Upper
 53 100
 52 85.5 66.8 100.2
 51 38.9 29.7 44.5



#16
 Acetone
 Concen: 108.302 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Tgt Ion: 43 Resp: 26485
 Ion Ratio Lower Upper
 43 100
 58 30.8 27.5 41.3





#17

Carbon Disulfide

Concen: 20.146 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

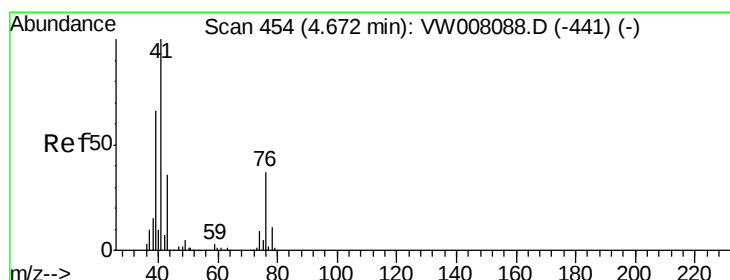
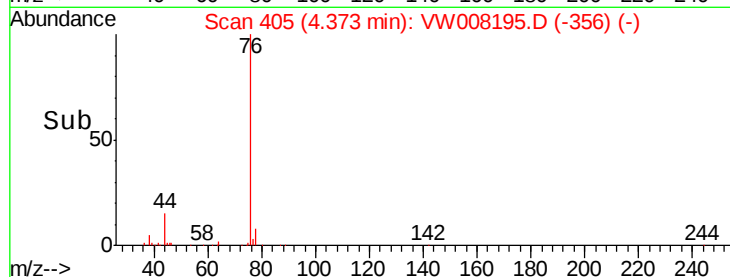
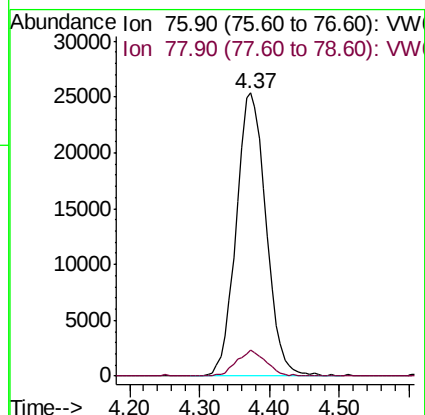
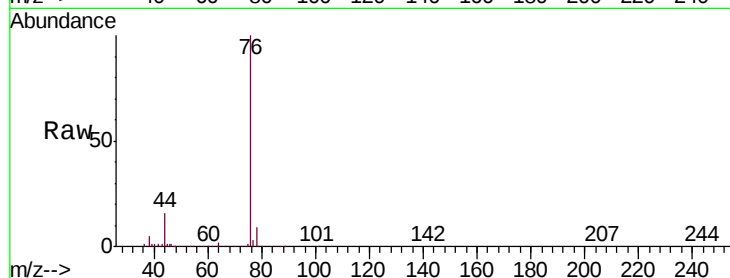
VW0111SBSD01

Tgt Ion: 76 Resp: 75111

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6



#18

Methyl Acetate

Concen: 18.794 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW008195.D

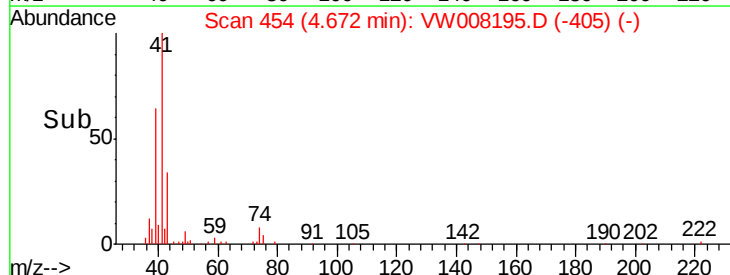
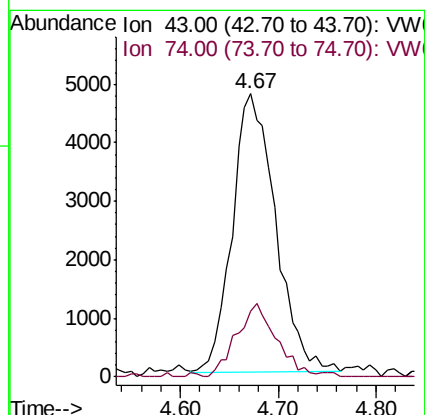
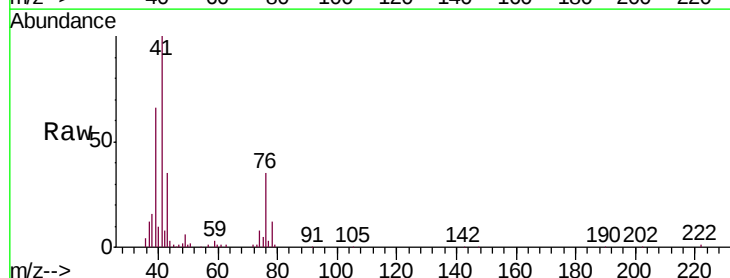
Acq: 11 Jan 2019 15:47

Tgt Ion: 43 Resp: 14550

Ion Ratio Lower Upper

43 100

74 24.3 19.0 28.4



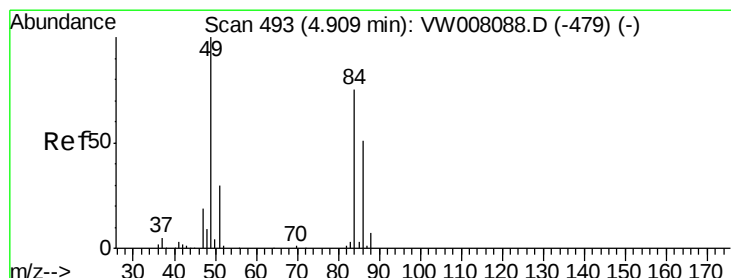
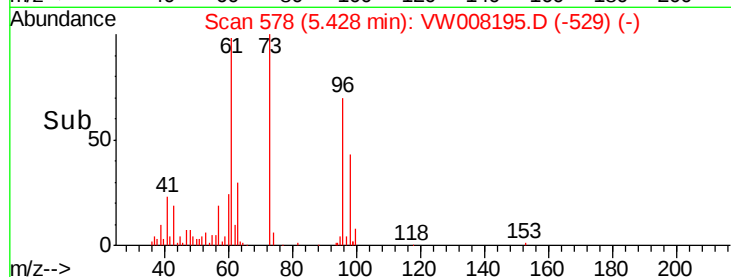
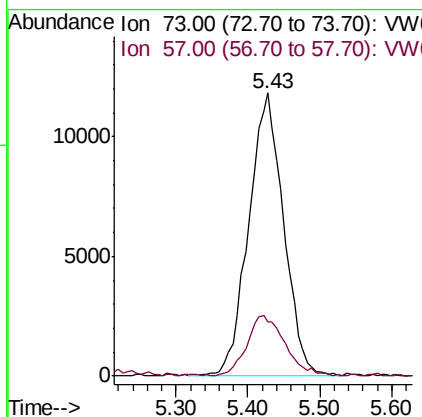
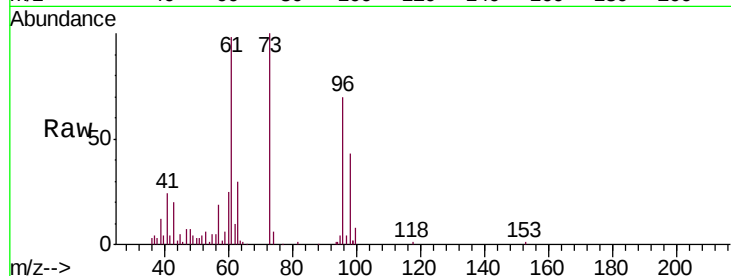


#19

Methyl tert-butyl Ether
 Concen: 20.568 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD01

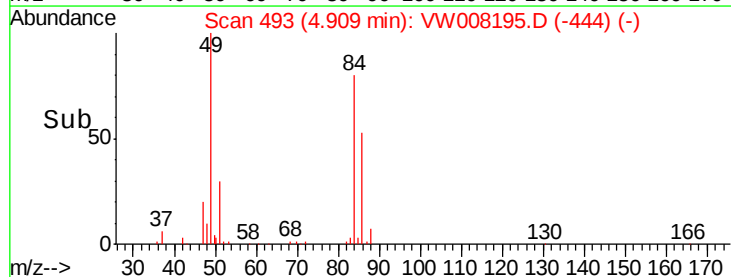
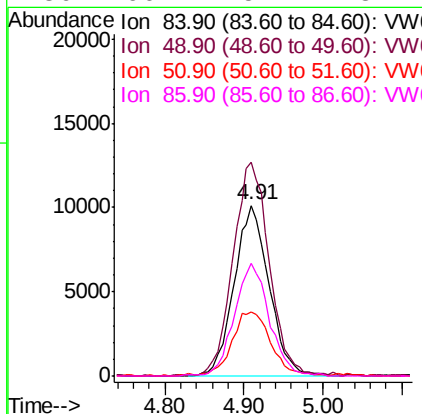
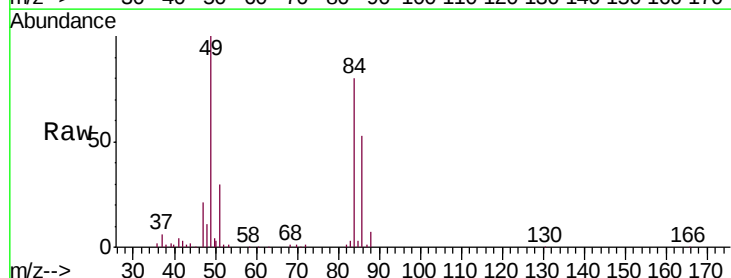
Tgt Ion: 73 Resp: 39908
 Ion Ratio Lower Upper
 73 100
 57 18.6 16.7 25.1

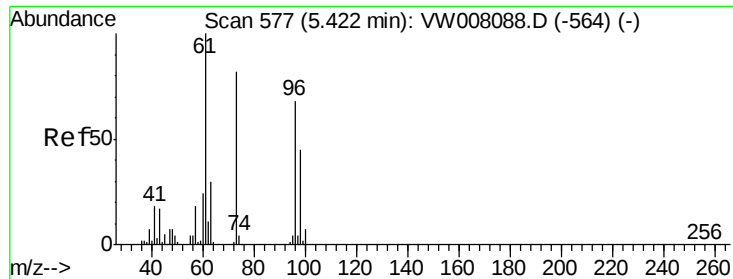


#20

Methylene Chloride
 Concen: 23.303 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Tgt Ion: 84 Resp: 31200
 Ion Ratio Lower Upper
 84 100
 49 124.4 107.1 160.7
 51 36.1 32.4 48.6
 86 66.1 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 20.255 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD01

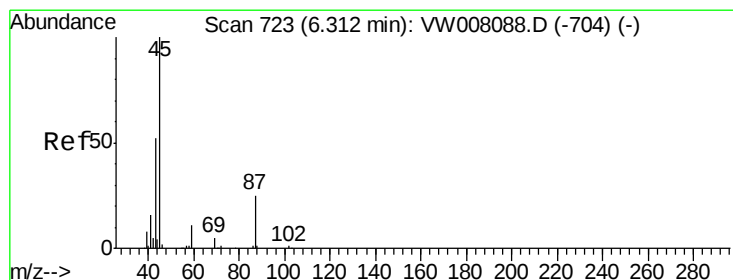
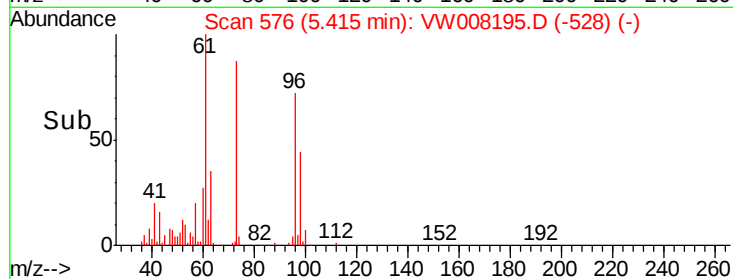
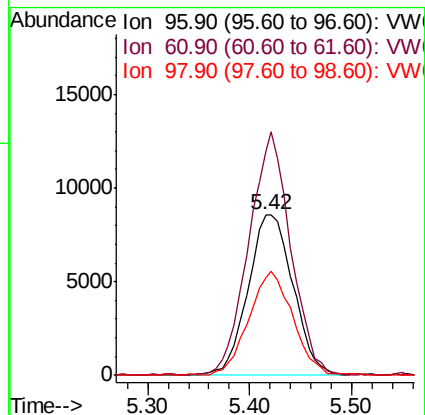
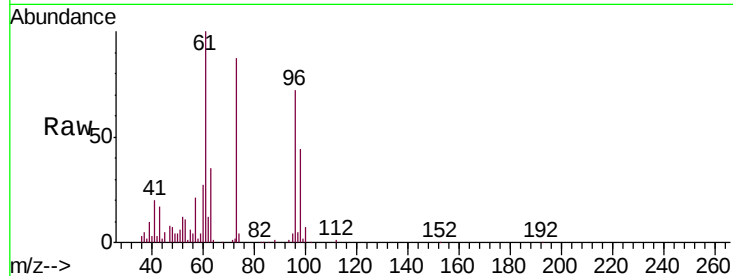
Tgt Ion: 96 Resp: 26271

Ion Ratio Lower Upper

96 100

61 139.2 117.4 176.0

98 60.3 52.2 78.4



#22

Diisopropyl ether

Concen: 19.992 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Tgt Ion: 45 Resp: 82623

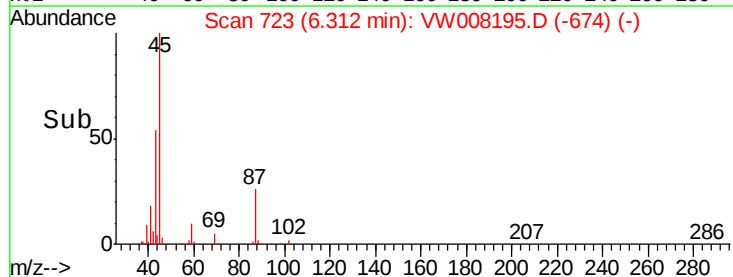
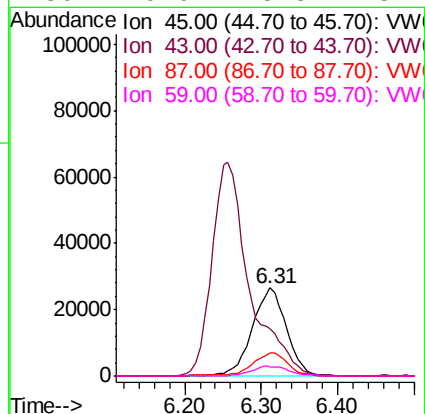
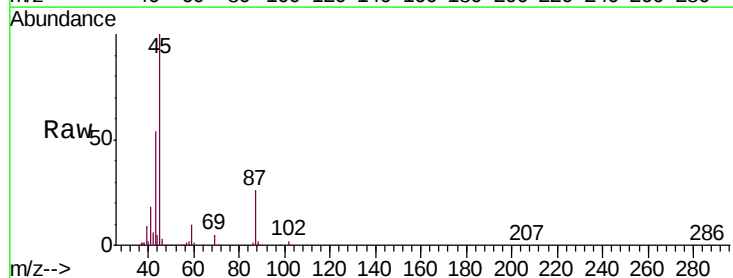
Ion Ratio Lower Upper

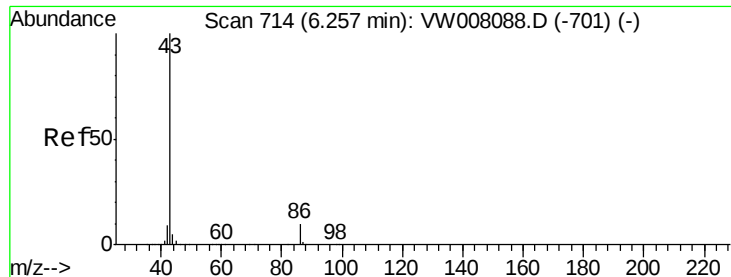
45 100

43 53.3 41.7 62.5

87 26.1 20.1 30.1

59 9.9 8.8 13.2





#23

Vinyl Acetate

Concen: 101.204 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

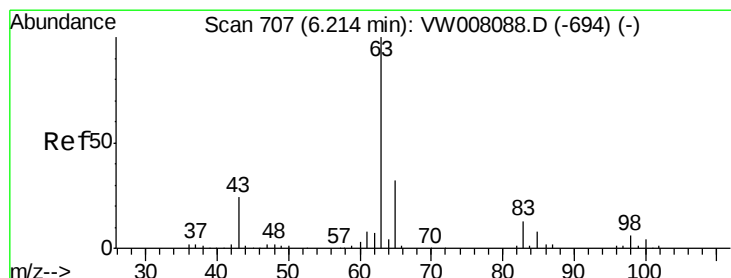
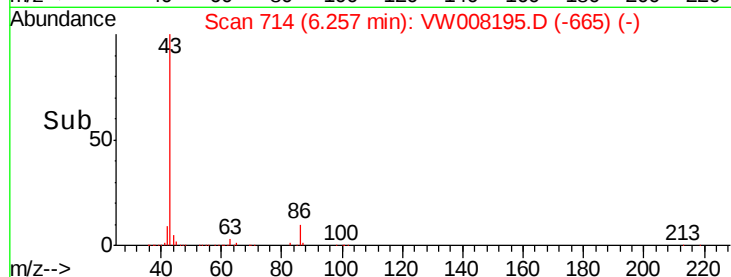
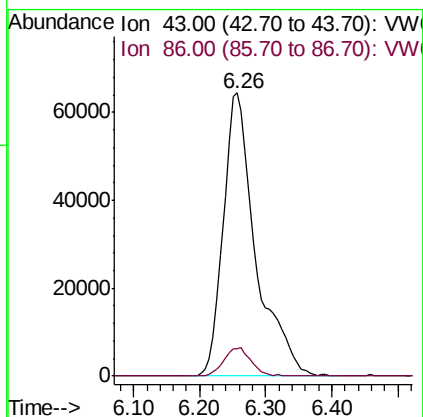
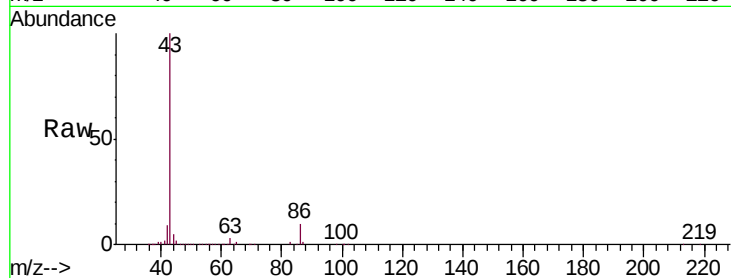
VW0111SBSD01

Tgt Ion: 43 Resp: 219664

Ion Ratio Lower Upper

43 100

86 9.7 7.7 11.5



#24

1,1-Dichloroethane

Concen: 19.924 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

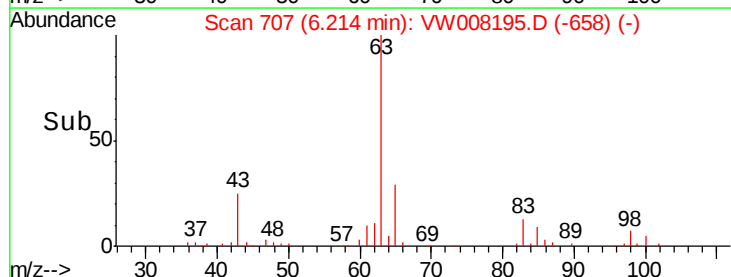
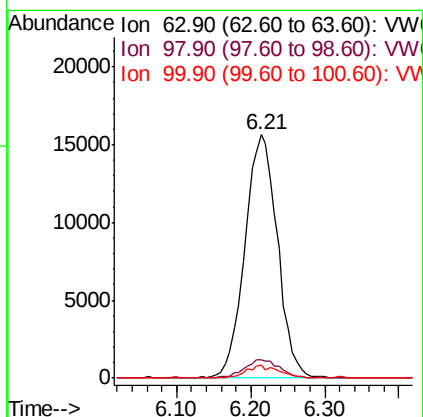
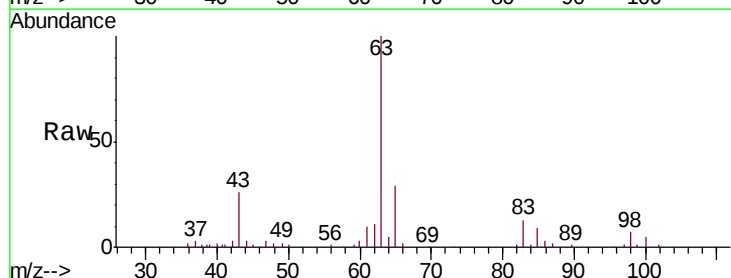
Tgt Ion: 63 Resp: 47976

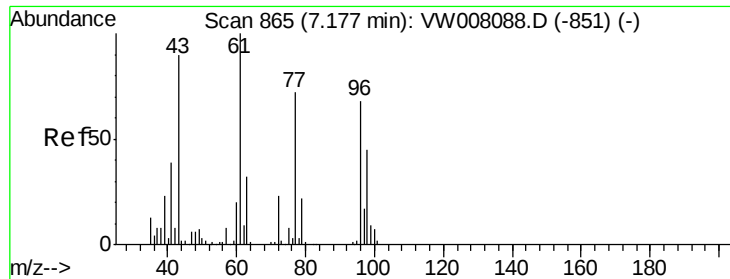
Ion Ratio Lower Upper

63 100

98 7.4 3.2 9.6

100 5.0 2.0 6.0





#25

2-Butanone

Concen: 101.784 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

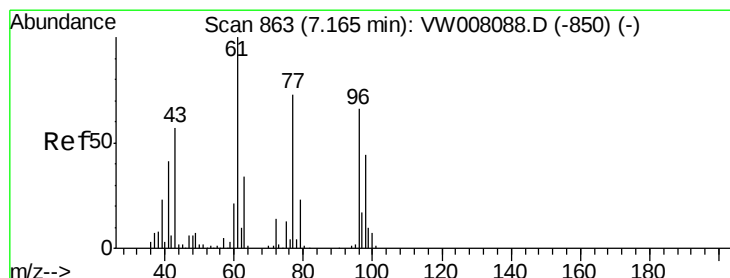
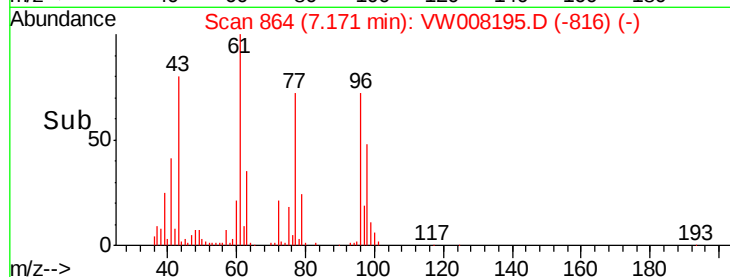
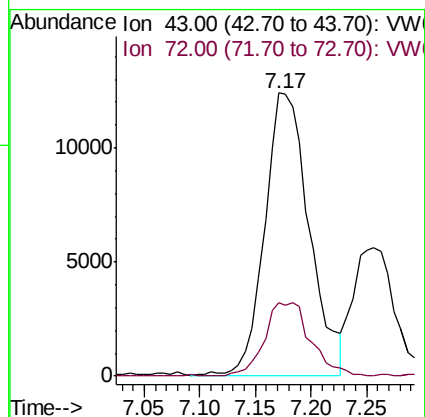
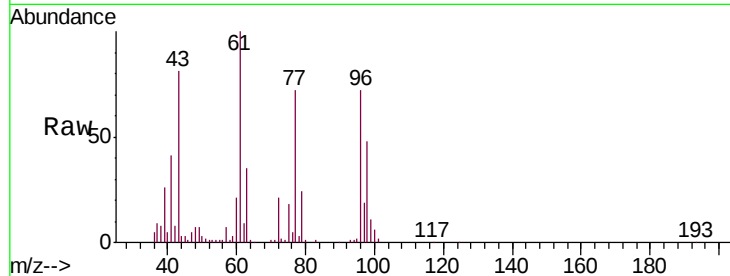
VW0111SBSD01

Tgt Ion: 43 Resp: 34689

Ion Ratio Lower Upper

43 100

72 25.7 20.5 30.7



#26

2,2-Dichloropropane

Concen: 20.178 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008195.D

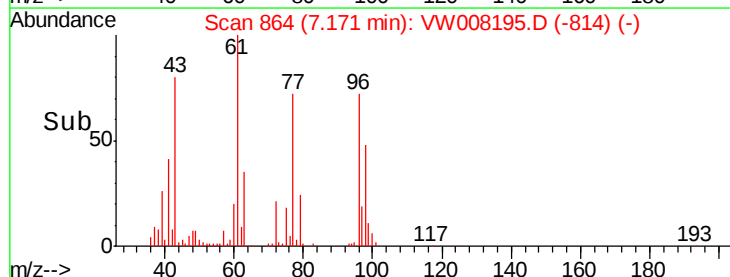
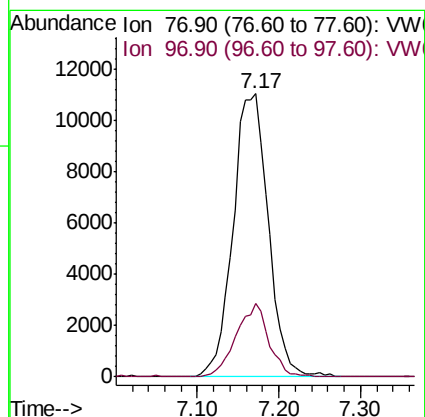
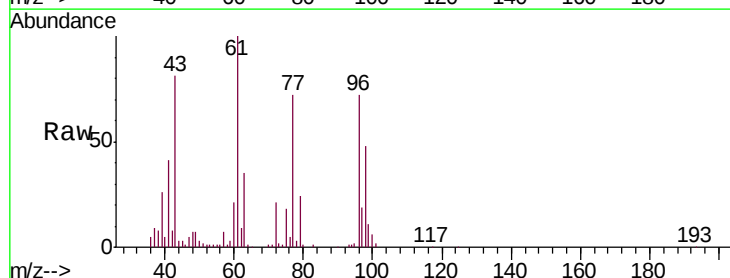
Acq: 11 Jan 2019 15:47

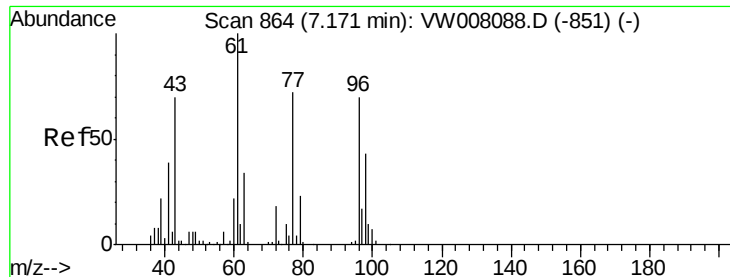
Tgt Ion: 77 Resp: 32922

Ion Ratio Lower Upper

77 100

97 24.1 11.4 34.1



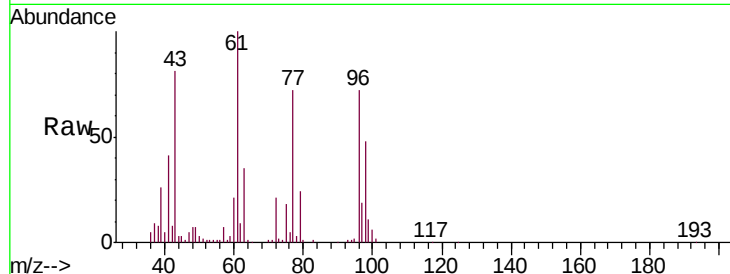


#27

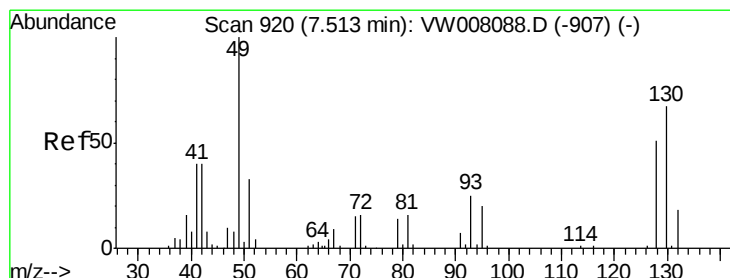
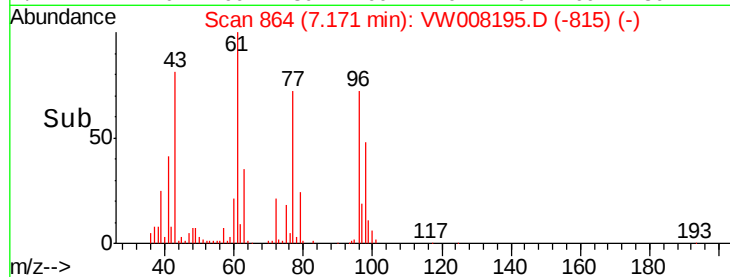
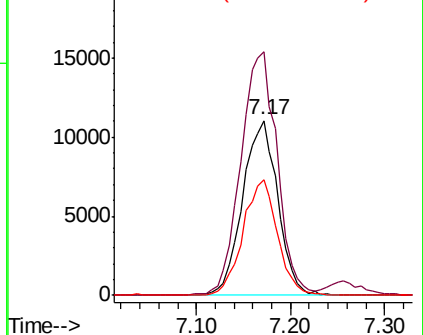
cis-1,2-Dichloroethene
Concen: 20.265 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

Tgt Ion: 96 Resp: 28677
Ion Ratio Lower Upper
96 100
61 144.1 0.0 300.4
98 64.9 0.0 128.4



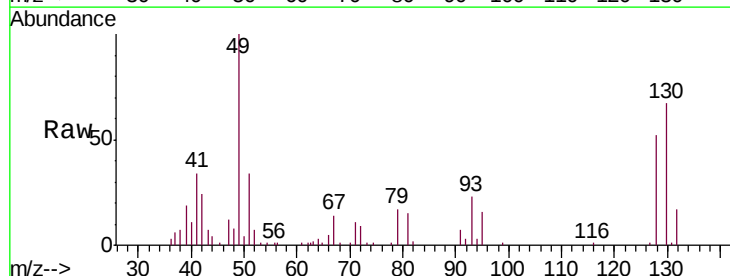
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



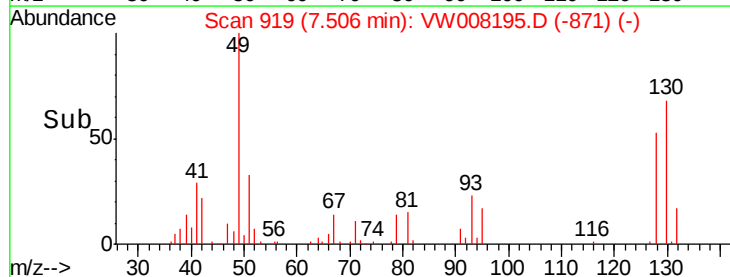
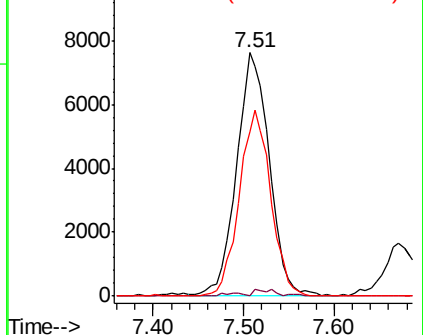
#28

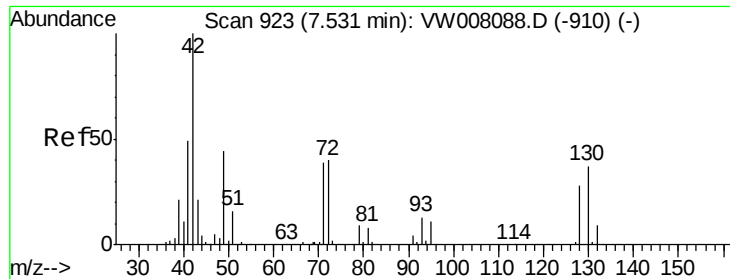
Bromochloromethane
Concen: 19.997 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion: 49 Resp: 19046
Ion Ratio Lower Upper
49 100
129 0.8 0.0 2.8
130 73.3 54.3 81.5



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: 92.763 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD01

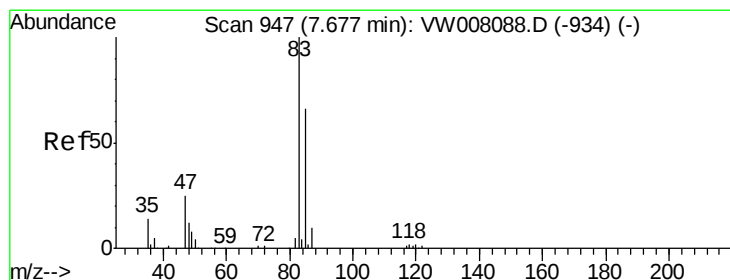
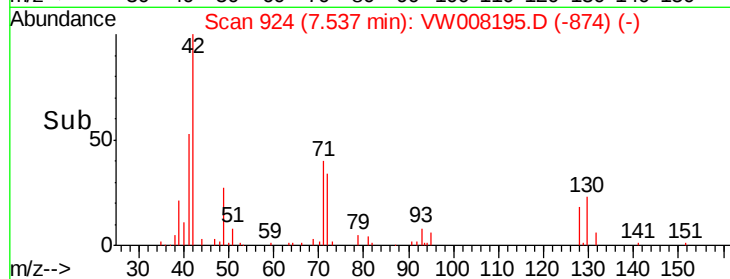
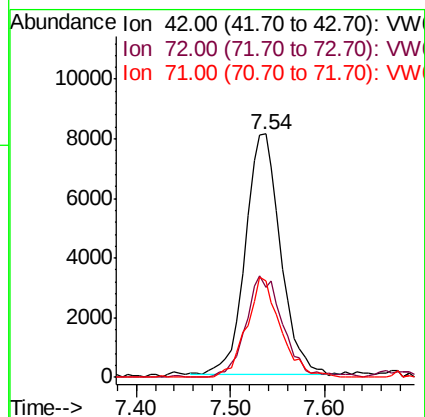
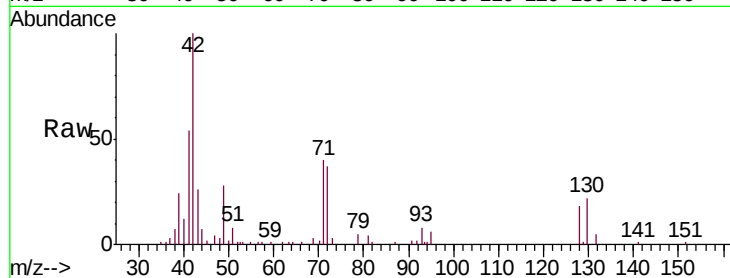
Tgt Ion: 42 Resp: 21118

Ion Ratio Lower Upper

42 100

72 44.7 32.4 48.6

71 40.0 31.3 46.9



#30

Chloroform

Concen: 20.322 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW008195.D

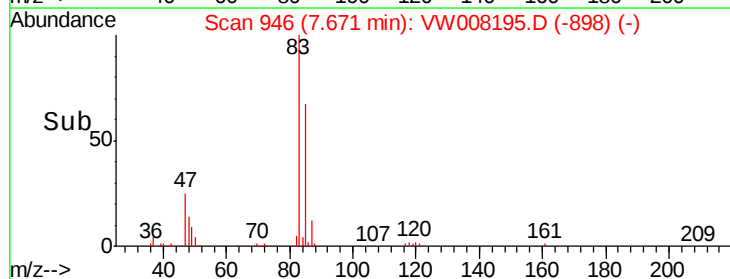
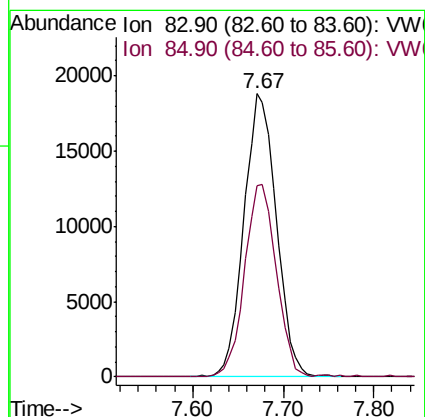
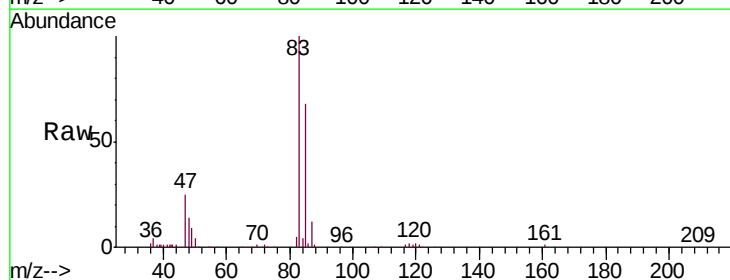
Acq: 11 Jan 2019 15:47

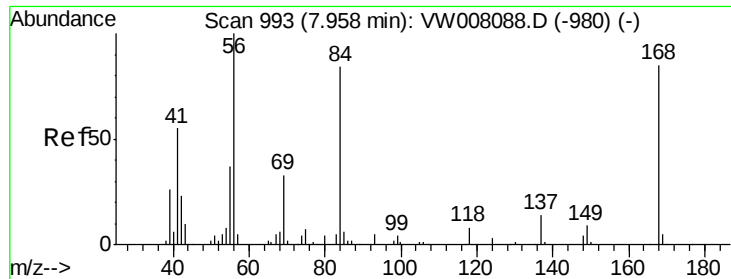
Tgt Ion: 83 Resp: 46578

Ion Ratio Lower Upper

83 100

85 67.6 53.2 79.8

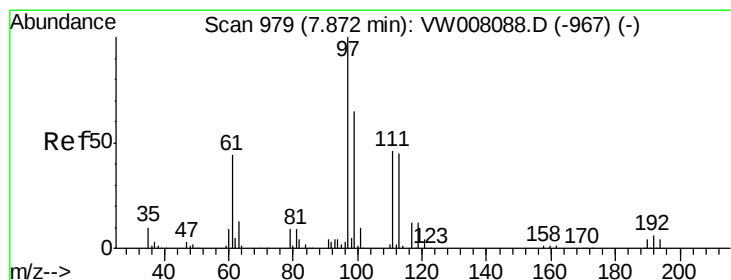
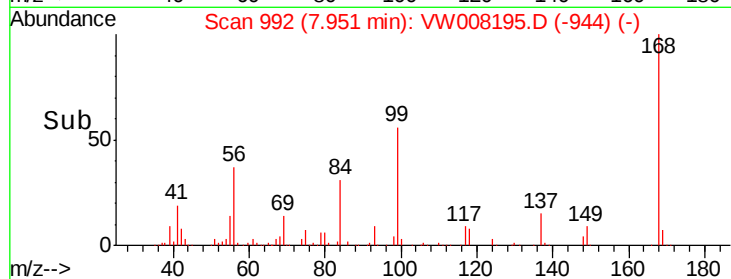
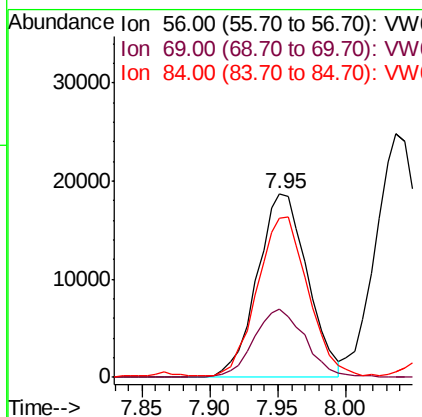
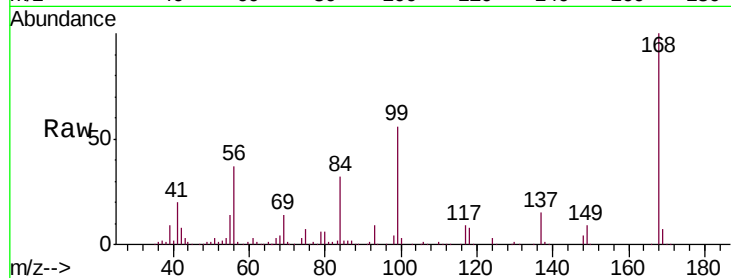




#31
Cyclohexane
Concen: 18.711 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

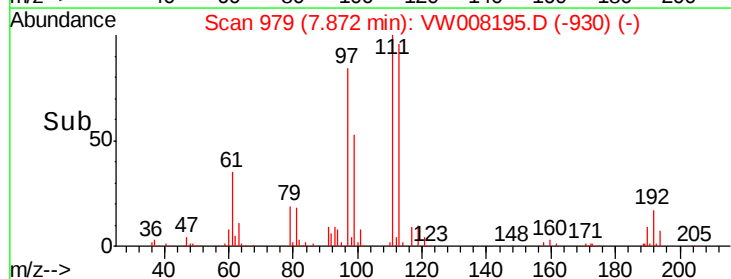
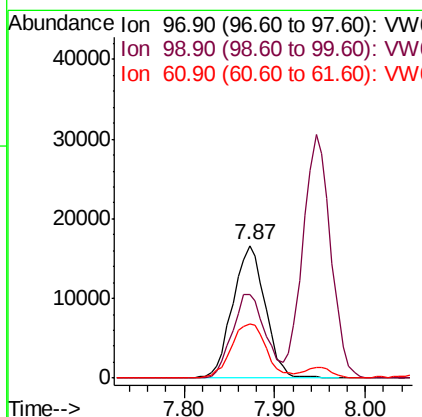
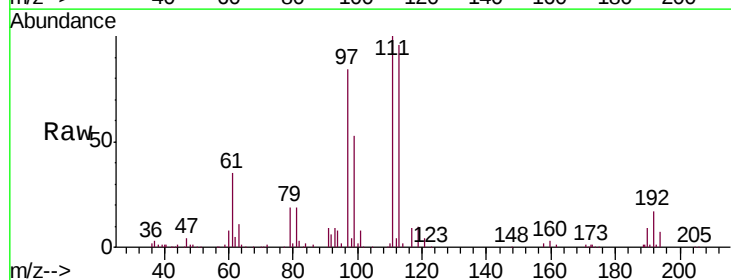
Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

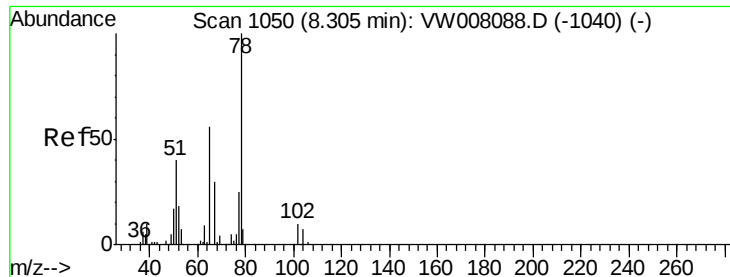
Tgt Ion: 56 Resp: 48233
Ion Ratio Lower Upper
56 100
69 36.8 26.2 39.4
84 85.3 67.4 101.2



#32
1,1,1-Trichloroethane
Concen: 20.726 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion: 97 Resp: 41334
Ion Ratio Lower Upper
97 100
99 64.8 51.4 77.0
61 44.7 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 47.556 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

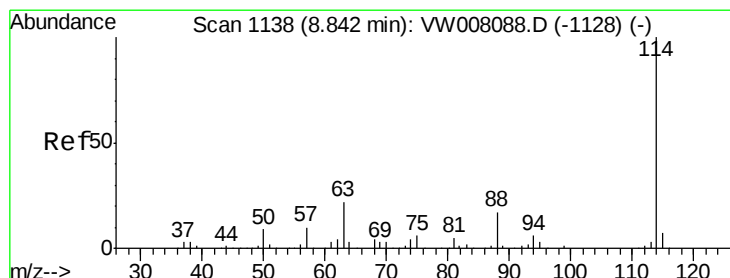
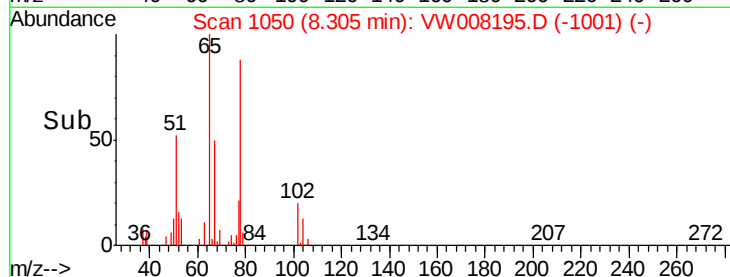
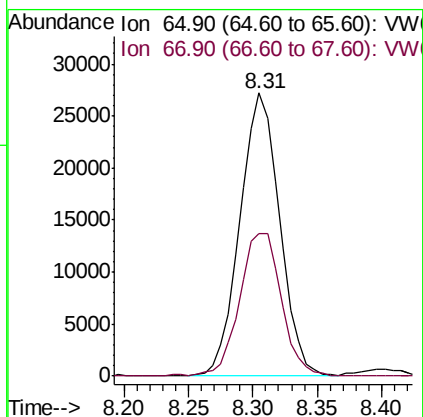
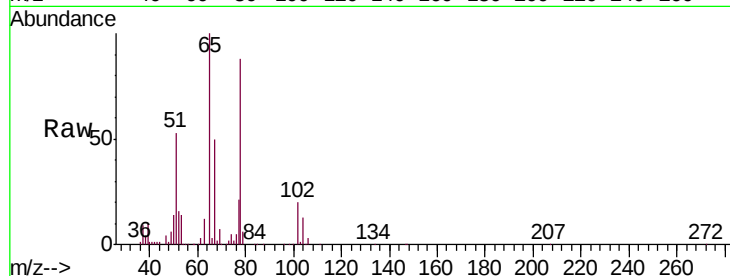
VW0111SBSD01

Tgt Ion: 65 Resp: 58252

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

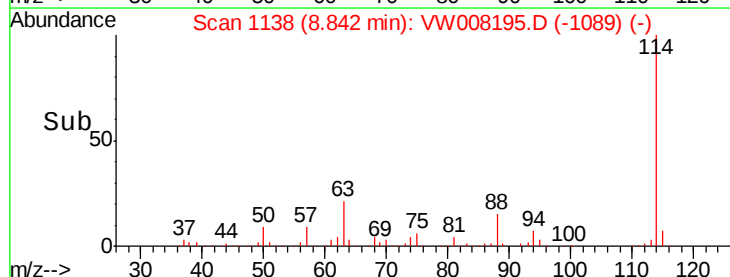
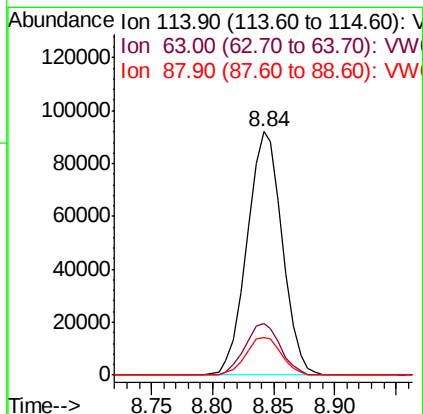
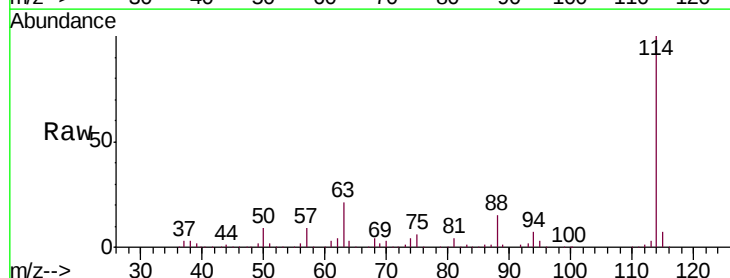
Tgt Ion: 114 Resp: 183710

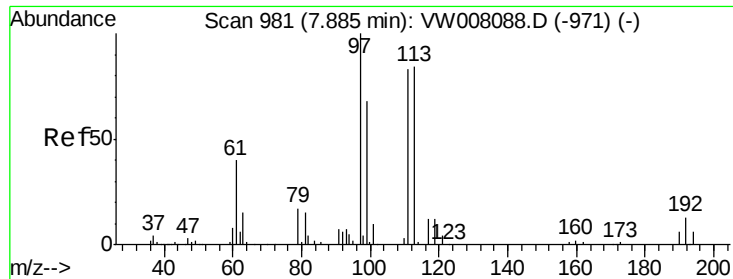
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.4

88 15.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 53.366 ug/l

RT: 7.88 min Scan# 981

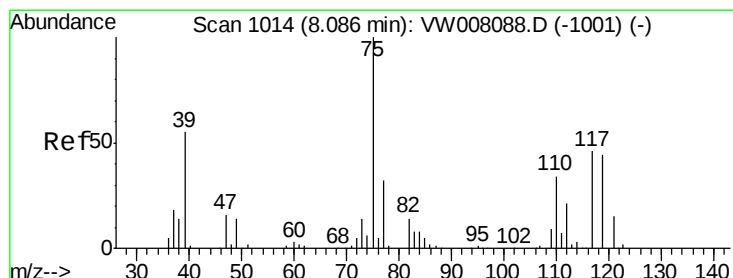
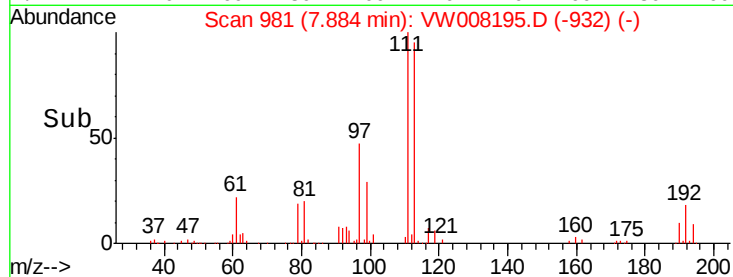
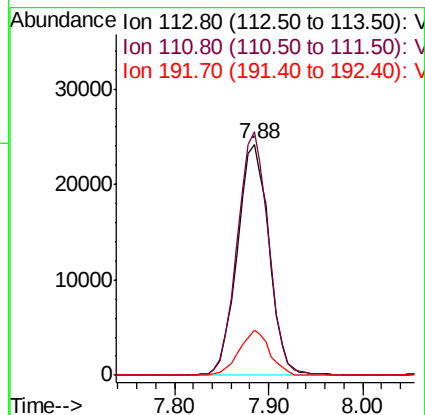
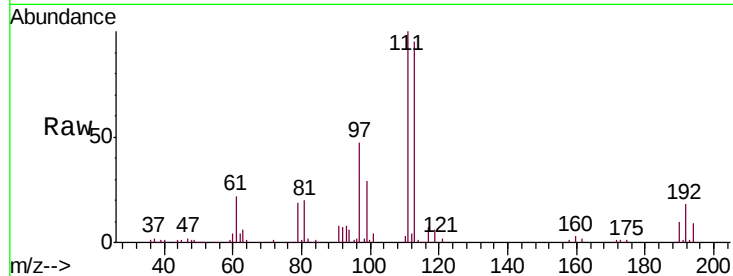
Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

Tgt Ion:	113	Resp:	57180
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.8
192	18.4	12.8	19.2



#36

1,1-Dichloropropene

Concen: 20.690 ug/l

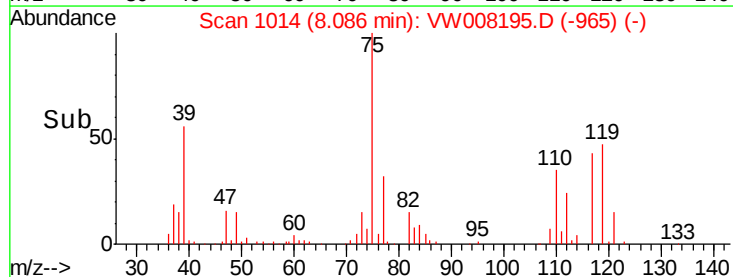
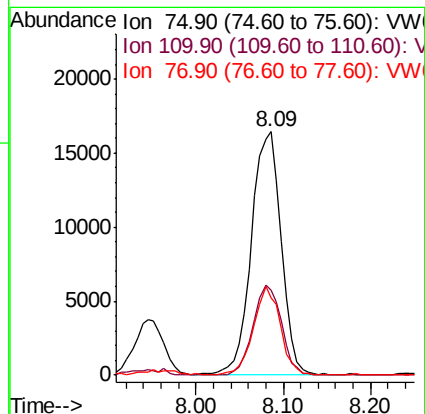
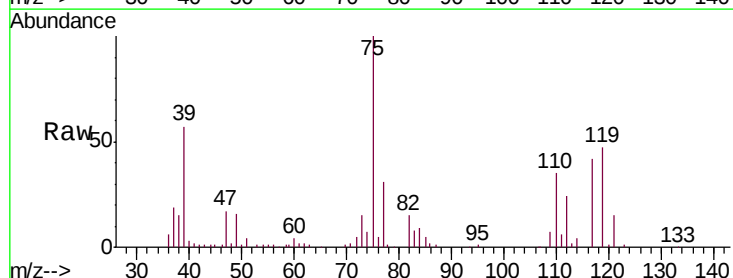
RT: 8.09 min Scan# 1014

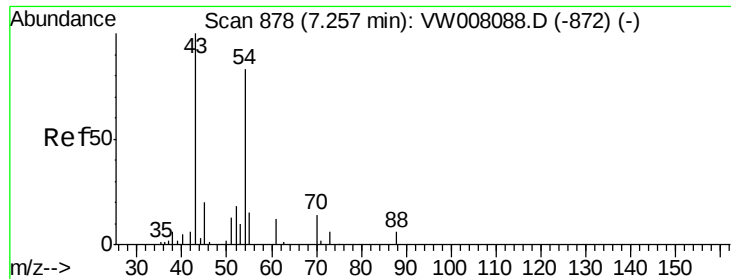
Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Tgt Ion:	75	Resp:	39154
Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.1	51.3
77	32.6	25.5	38.3

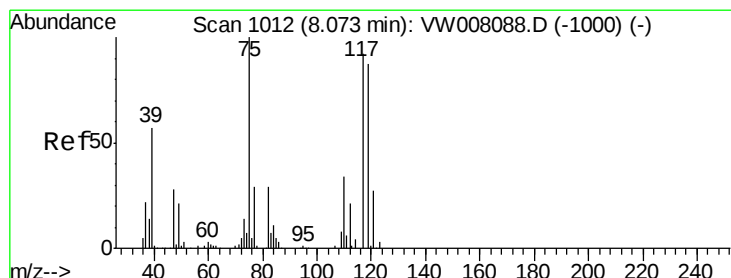
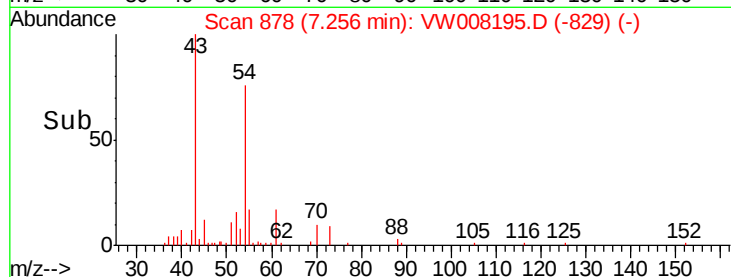
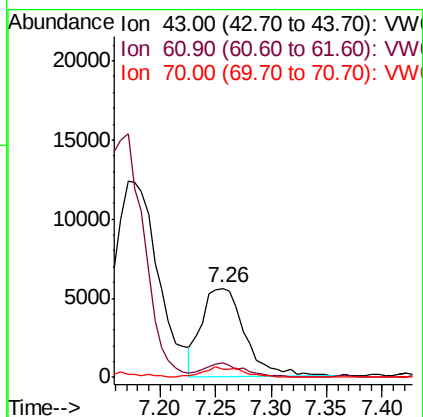
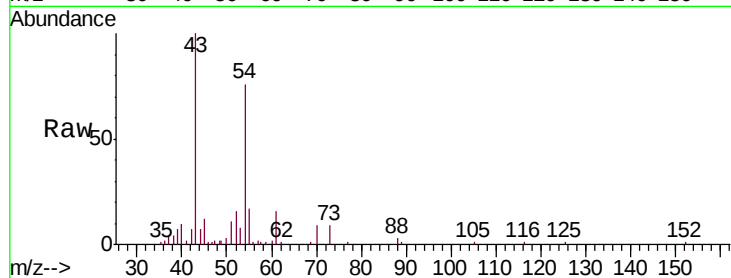




#37
Ethyl Acetate
Concen: 19.559 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

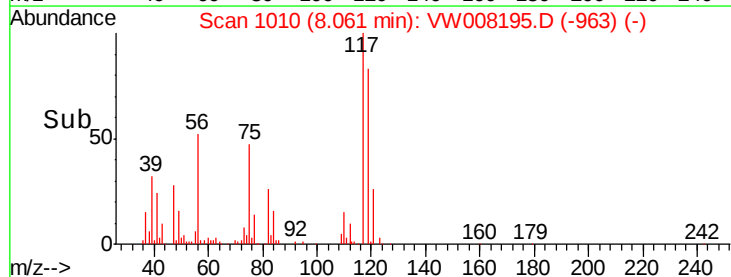
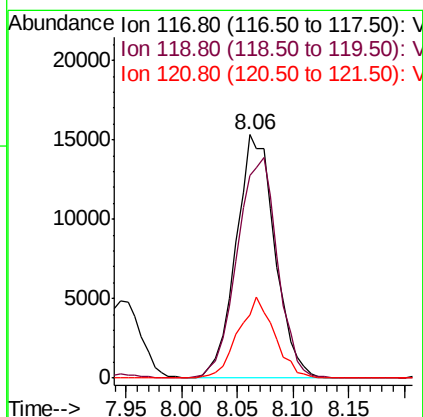
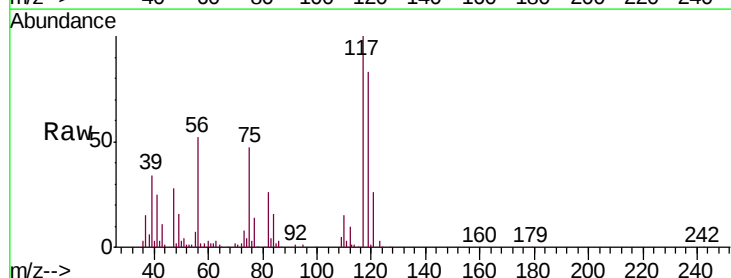
Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

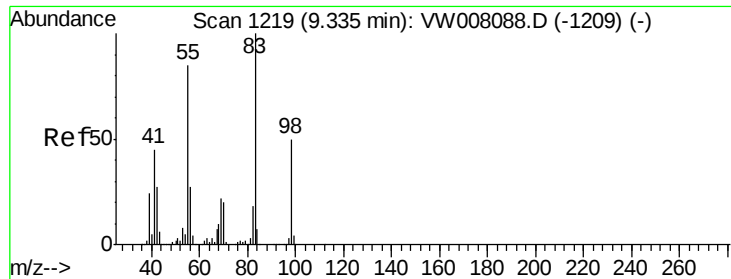
Tgt Ion: 43 Resp: 14829
Ion Ratio Lower Upper
43 100
61 15.3 10.6 16.0
70 10.8 8.9 13.3



#38
Carbon Tetrachloride
Concen: 21.466 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion: 117 Resp: 37181
Ion Ratio Lower Upper
117 100
119 83.0 75.8 113.8
121 25.9 23.7 35.5

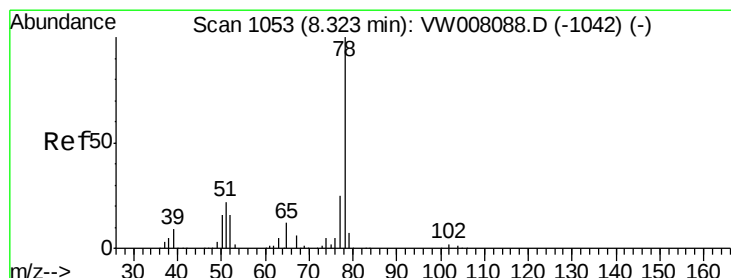
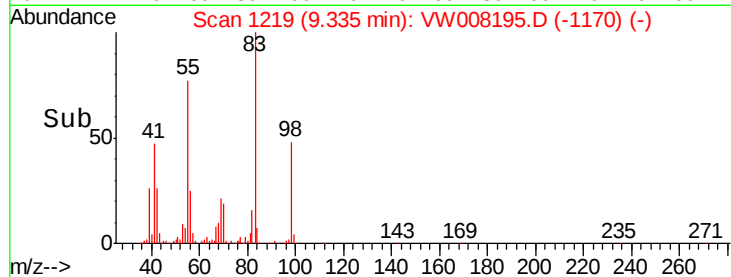
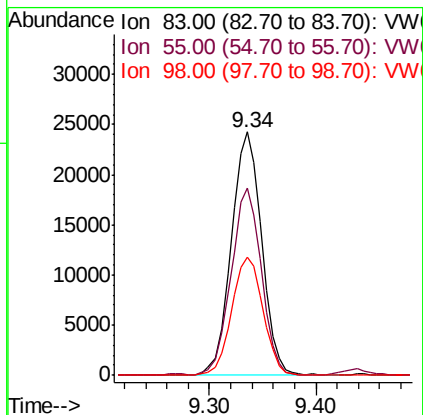
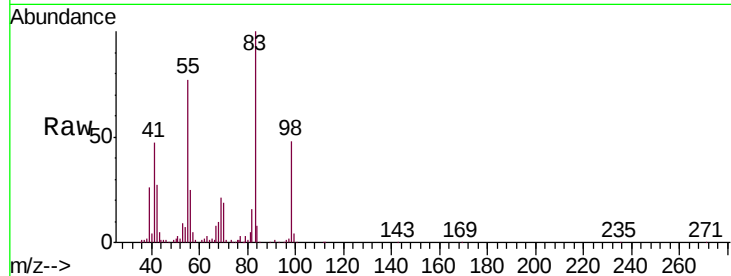




#39
Methylcyclohexane
Concen: 20.227 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

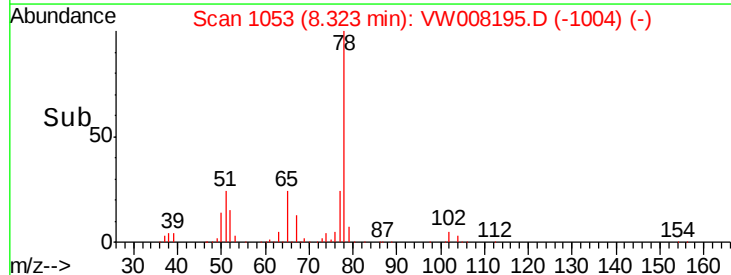
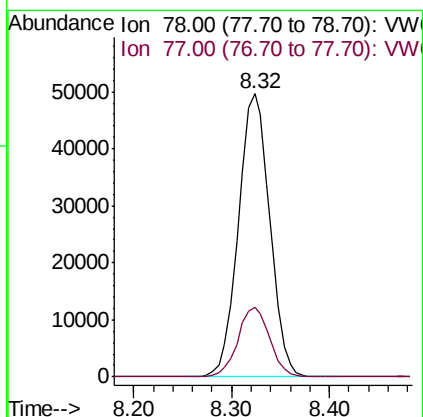
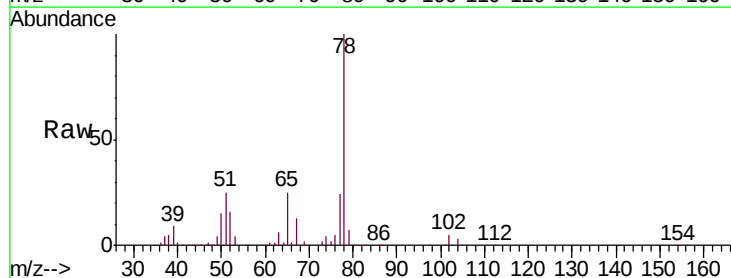
Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

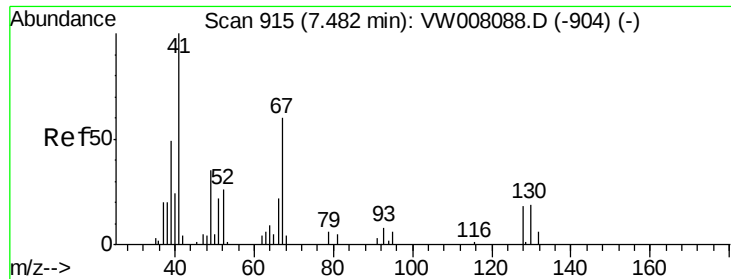
Tgt Ion: 83 Resp: 48535
Ion Ratio Lower Upper
83 100
55 76.6 67.8 101.6
98 48.3 40.2 60.4



#40
Benzene
Concen: 21.514 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion: 78 Resp: 110427
Ion Ratio Lower Upper
78 100
77 24.4 20.2 30.4





#41

Methacrylonitrile

Concen: 20.099 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampled :

VW0111SBSD01

Tgt Ion: 41 Resp: 9626

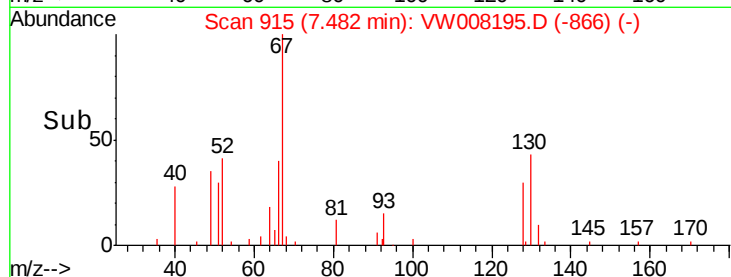
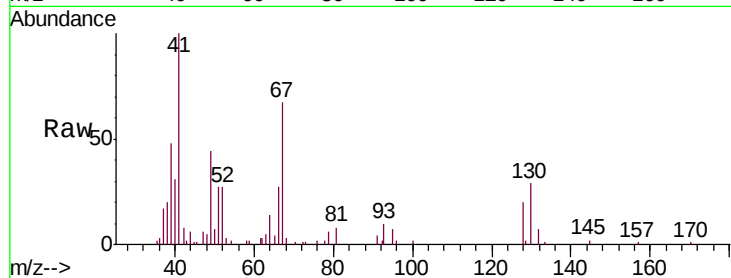
Ion Ratio Lower Upper

41 100

39 50.6 47.9 71.9

67 68.1 56.3 84.5

52 31.9 24.5 36.7

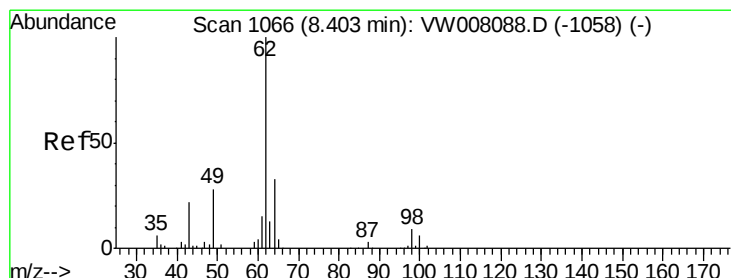
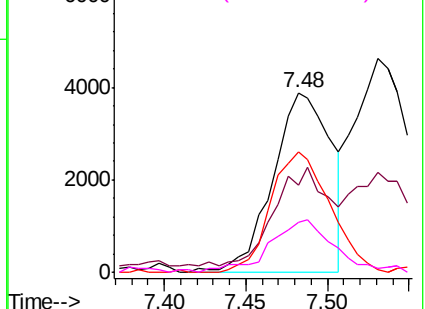


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 20.851 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW008195.D

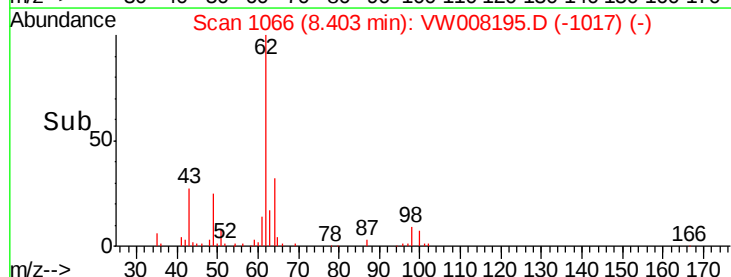
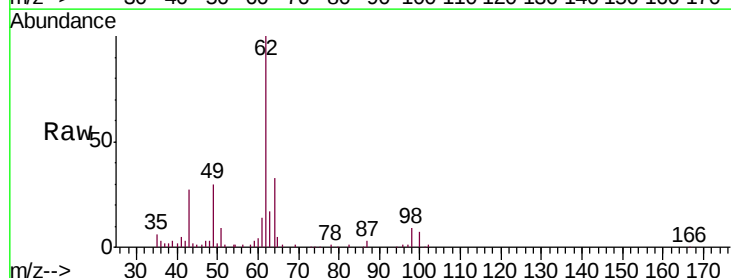
Acq: 11 Jan 2019 15:47

Tgt Ion: 62 Resp: 30100

Ion Ratio Lower Upper

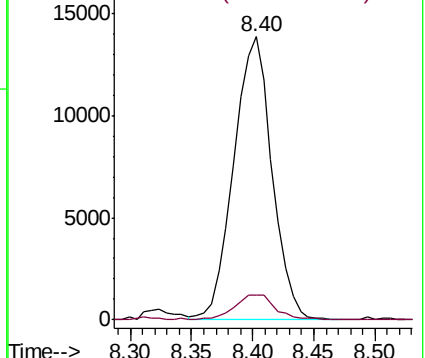
62 100

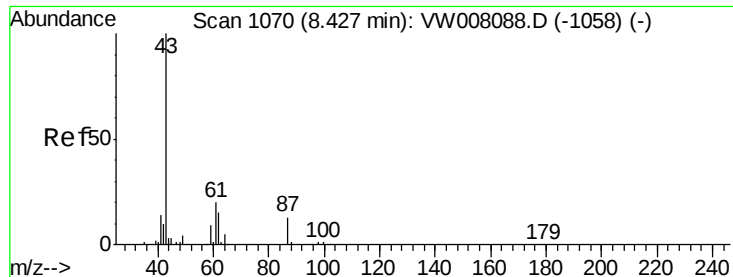
98 9.5 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

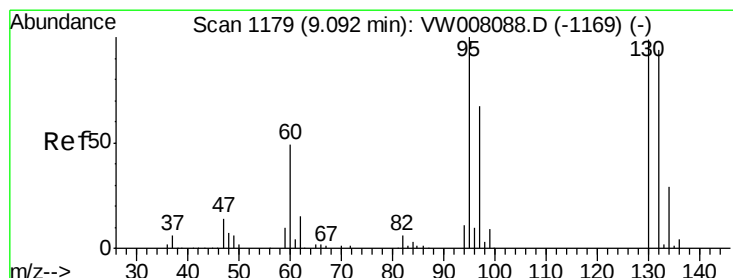
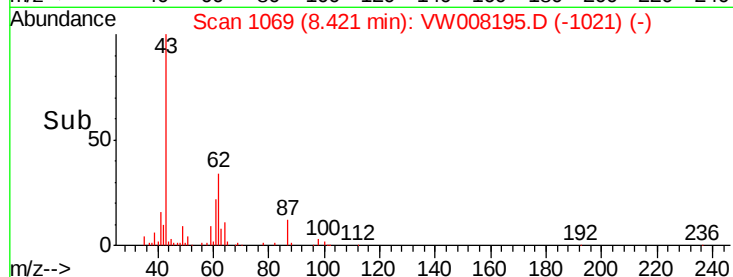
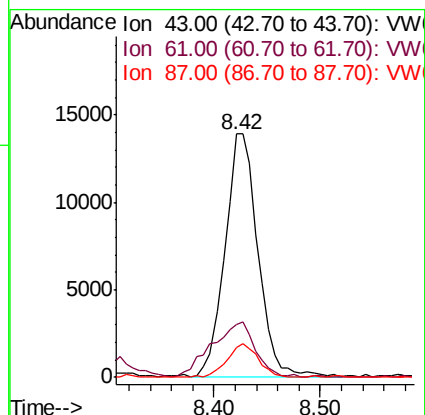
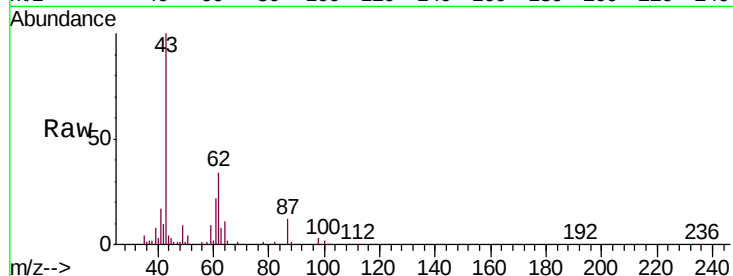




#43
Isopropyl Acetate
Concen: 19.937 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

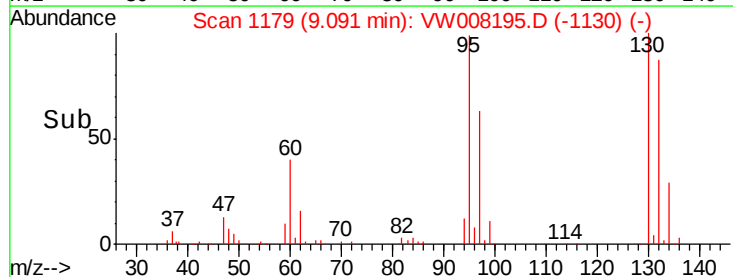
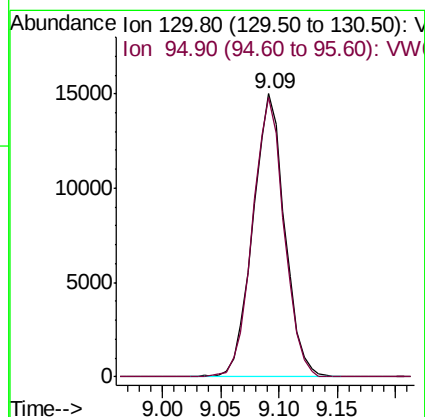
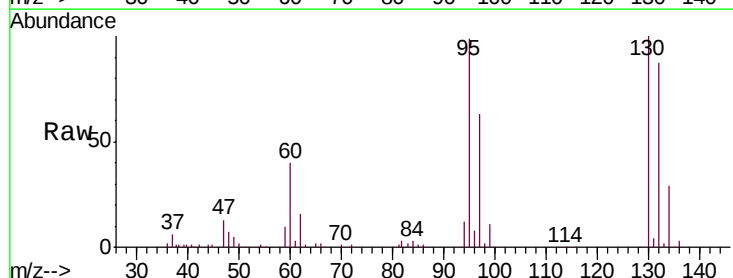
Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

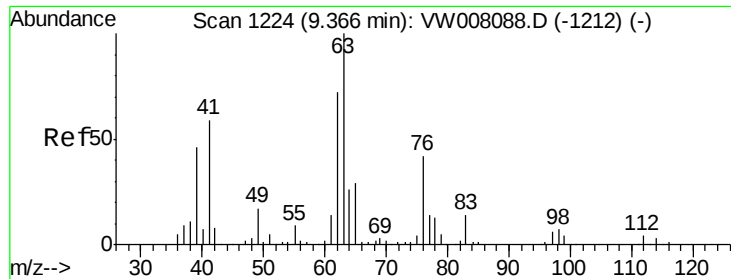
Tgt Ion: 43 Resp: 30221
Ion Ratio Lower Upper
43 100
61 29.9 24.8 37.2
87 13.2 10.4 15.6



#44
Trichloroethene
Concen: 21.776 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion: 130 Resp: 28612
Ion Ratio Lower Upper
130 100
95 98.9 0.0 202.8

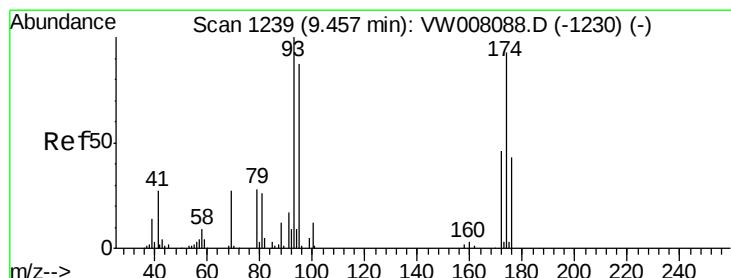
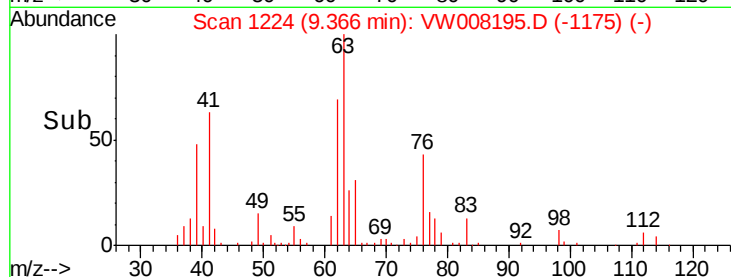
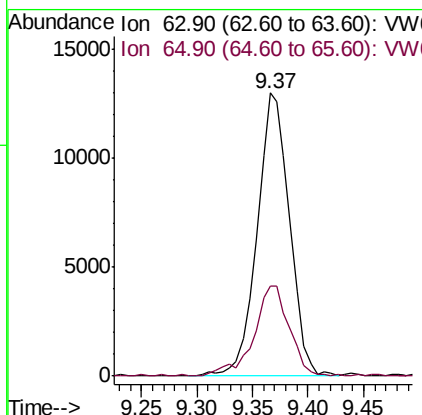
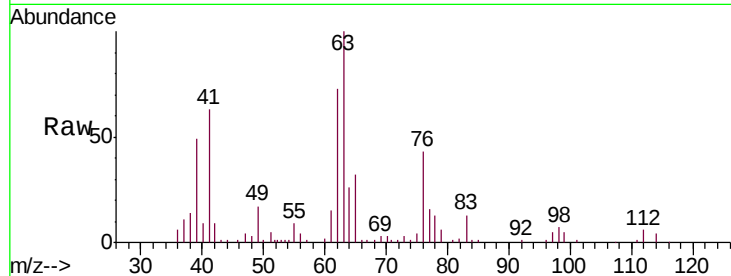




#45
 1,2-Dichloropropane
 Concen: 20.645 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

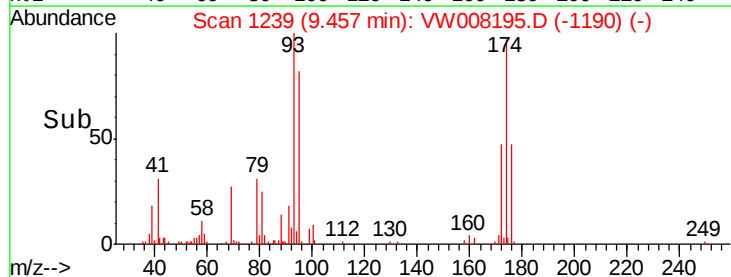
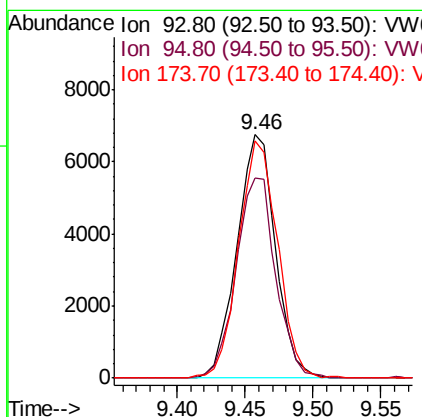
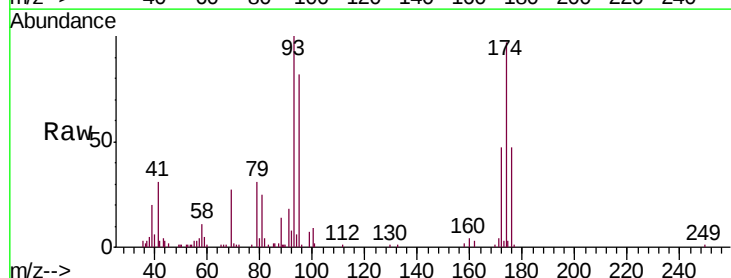
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD01

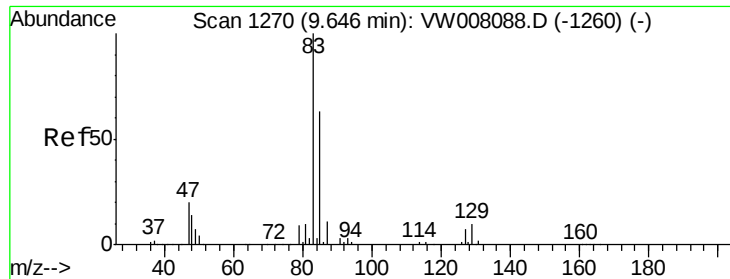
Tgt Ion: 63 Resp: 26275
 Ion Ratio Lower Upper
 63 100
 65 31.9 23.3 34.9



#46
 Dibromomethane
 Concen: 21.370 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Tgt Ion: 93 Resp: 13357
 Ion Ratio Lower Upper
 93 100
 95 84.5 67.5 101.3
 174 98.8 72.5 108.7

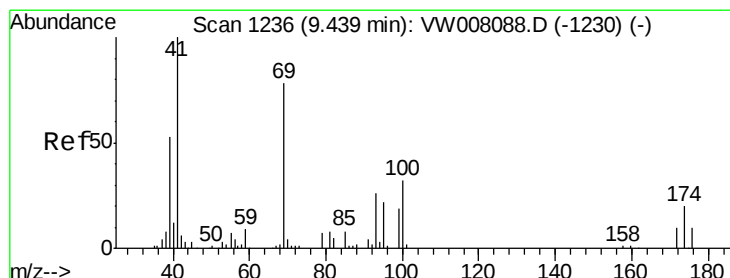
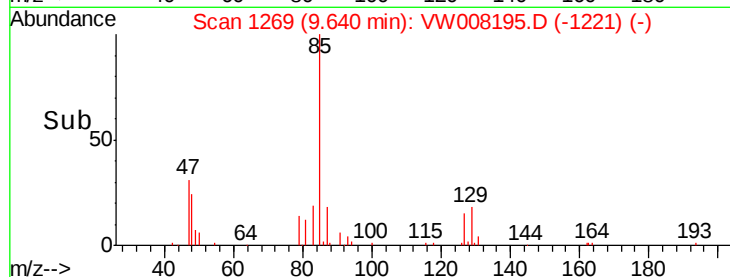
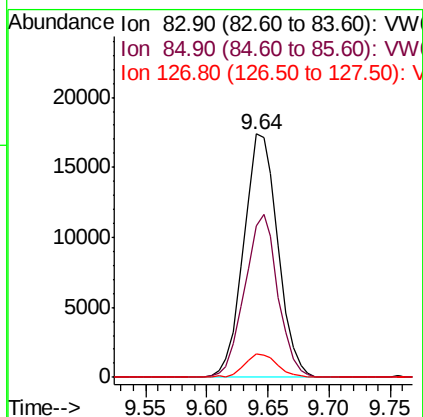
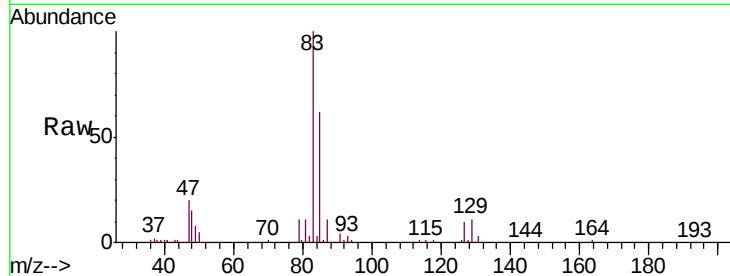




#47
 Bromodichloromethane
 Concen: 21.292 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

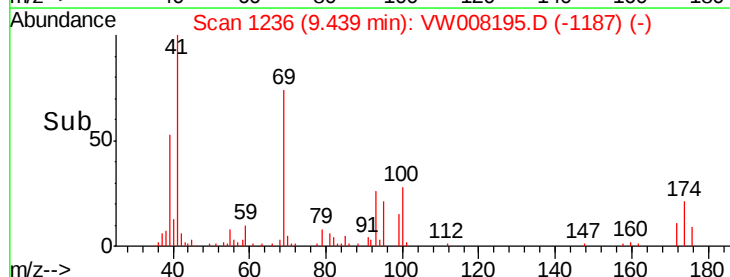
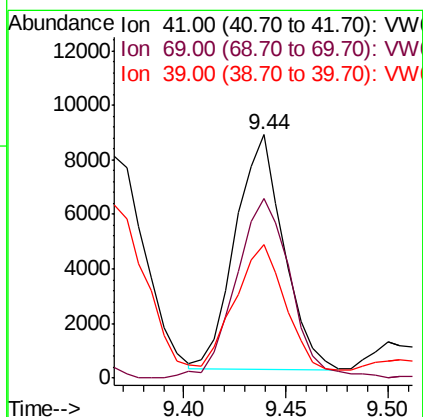
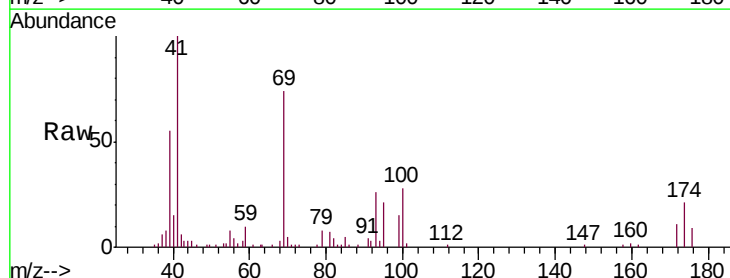
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD01

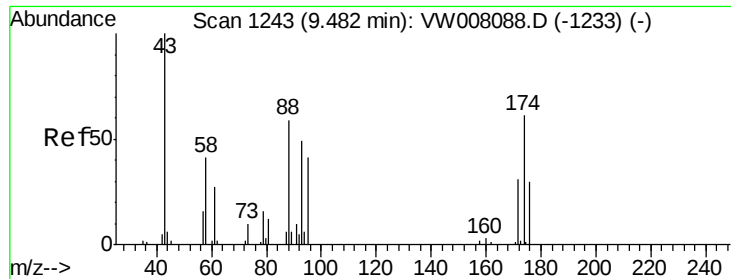
Tgt Ion: 83 Resp: 33792
 Ion Ratio Lower Upper
 83 100
 85 62.1 50.7 76.1
 127 9.5 6.0 9.0#



#48
 Methyl methacrylate
 Concen: 19.784 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Tgt Ion: 41 Resp: 14151
 Ion Ratio Lower Upper
 41 100
 69 86.6 61.9 92.9
 39 55.1 43.0 64.4

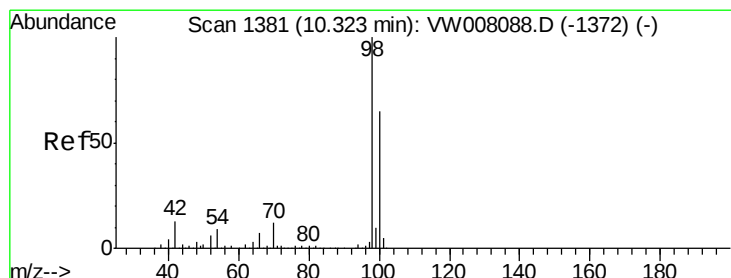
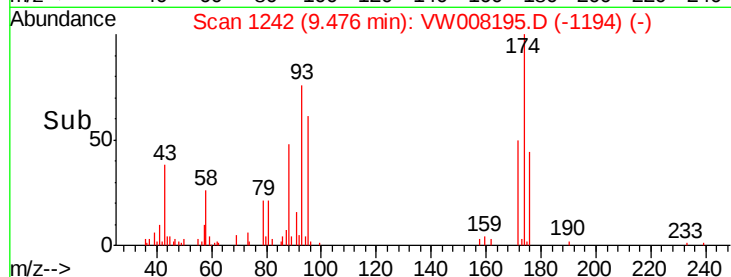
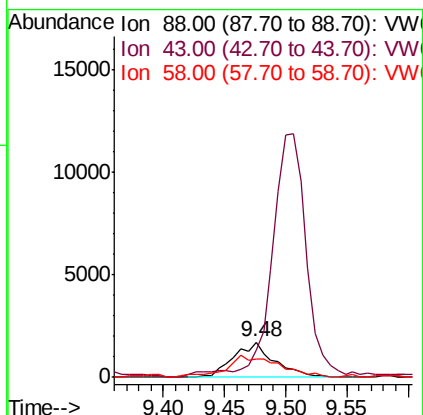
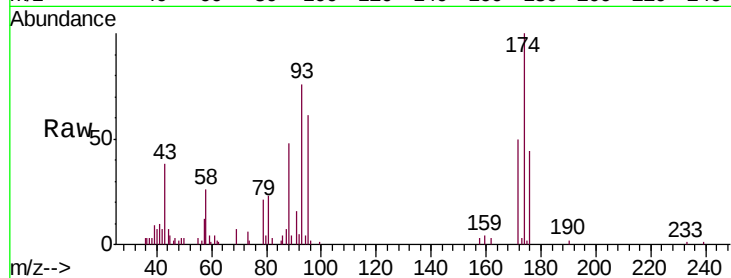




#49
1,4-Dioxane
Concen: 388.198 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

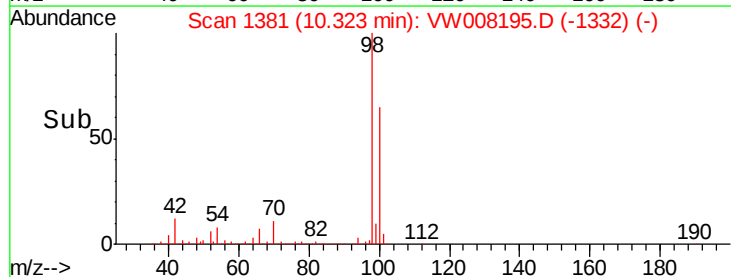
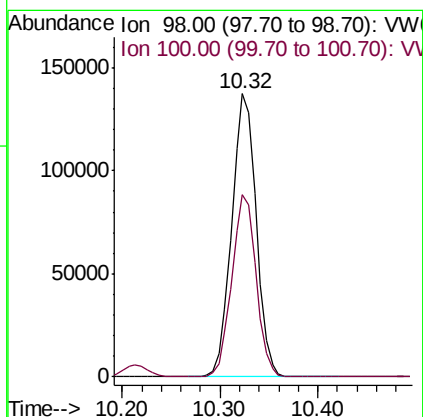
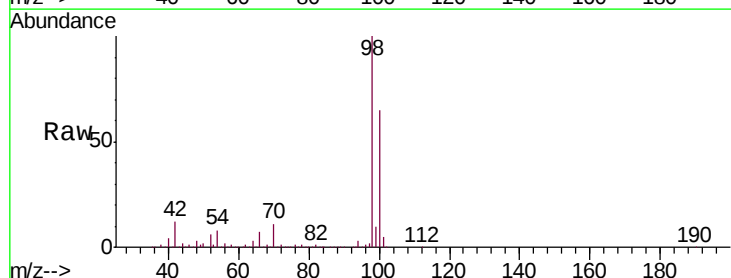
Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

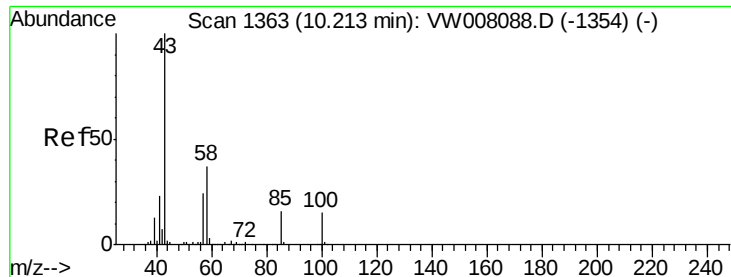
Tgt Ion: 88 Resp: 3902
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 80.7 61.7 92.5



#50
Toluene-d8
Concen: 52.840 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion: 98 Resp: 237583
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5

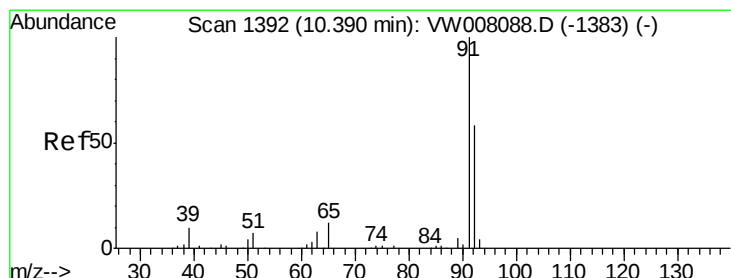
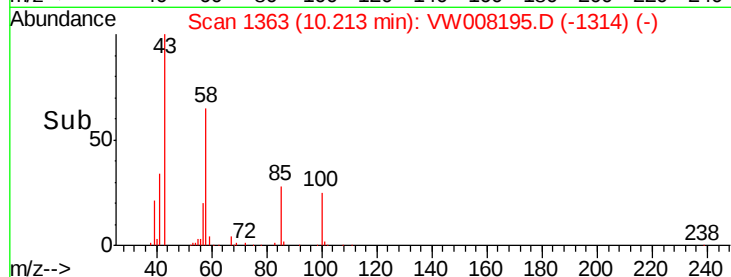
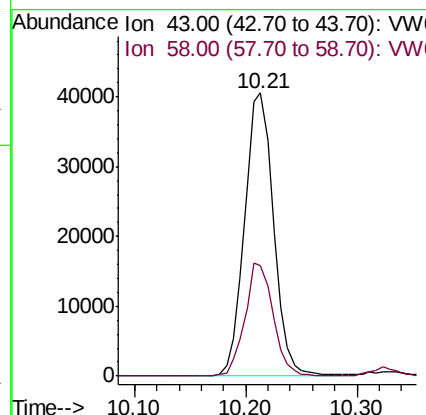
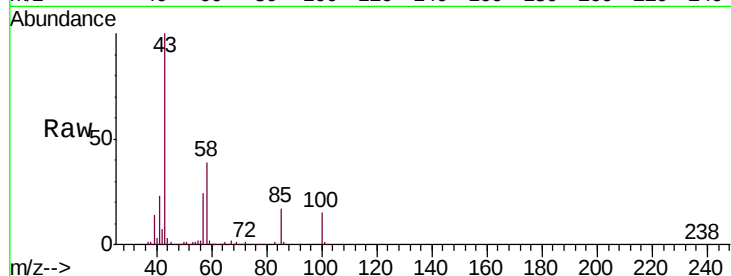




#51
 4-Methyl-2-Pentanone
 Concen: 100.504 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

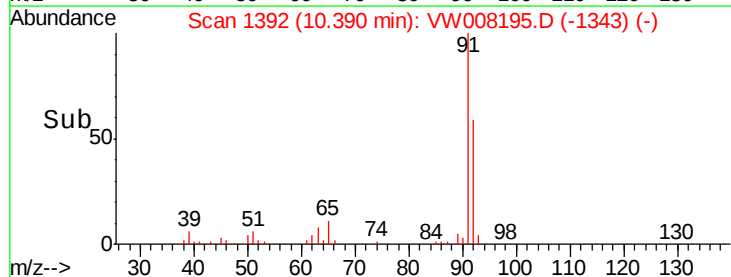
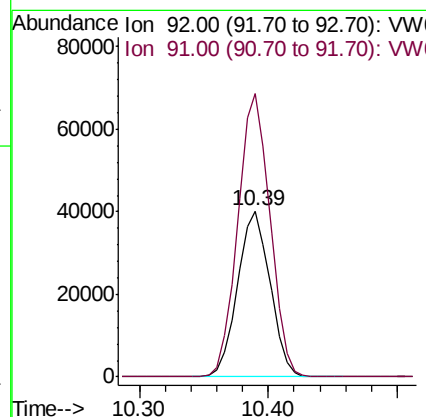
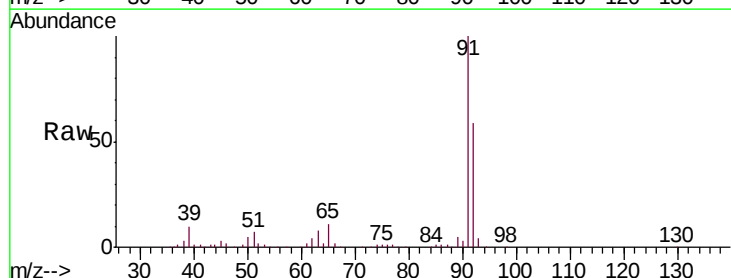
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD01

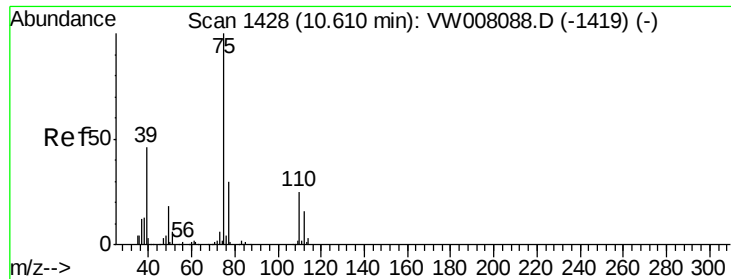
Tgt Ion: 43 Resp: 73745
 Ion Ratio Lower Upper
 43 100
 58 39.0 30.6 46.0



#52
 Toluene
 Concen: 21.526 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Tgt Ion: 92 Resp: 70560
 Ion Ratio Lower Upper
 92 100
 91 168.8 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 20.614 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

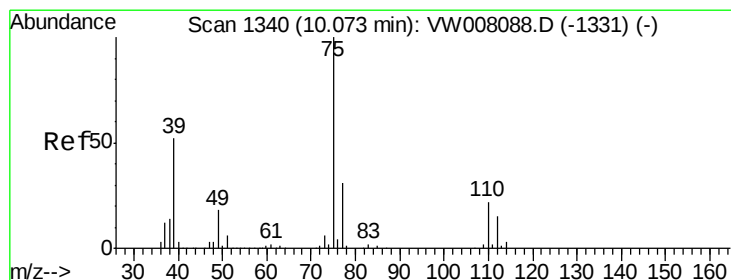
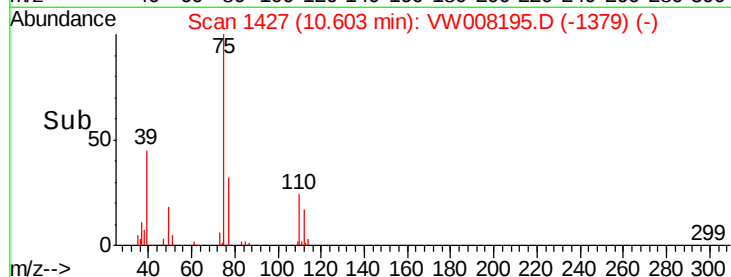
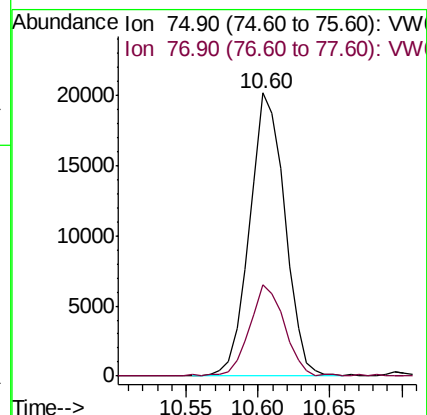
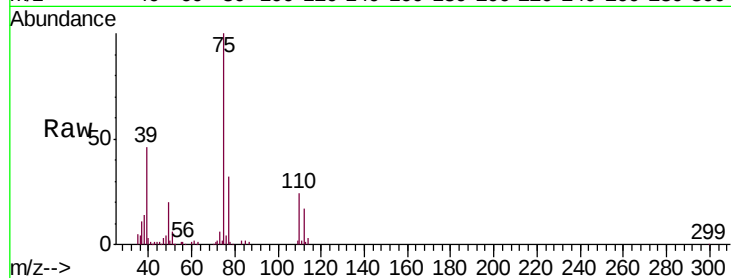
VW0111SBSD01

Tgt Ion: 75 Resp: 34030

Ion Ratio Lower Upper

75 100

77 31.8 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 20.648 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

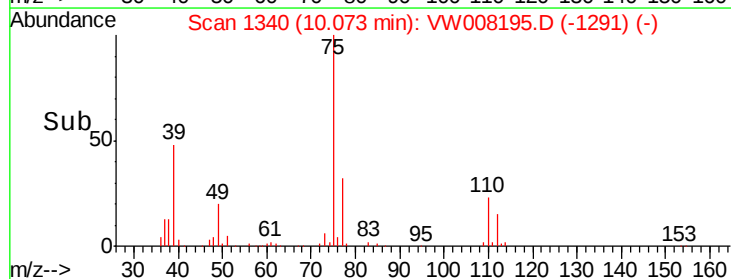
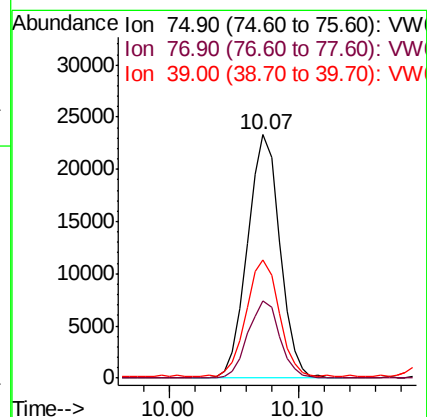
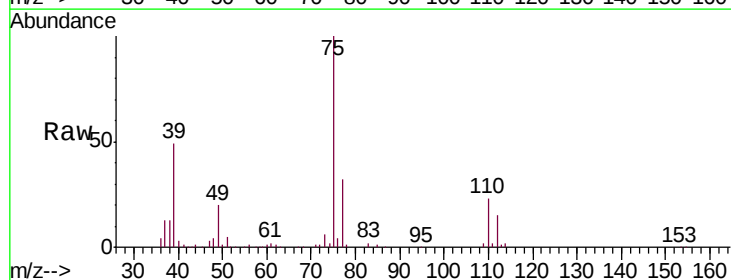
Tgt Ion: 75 Resp: 40420

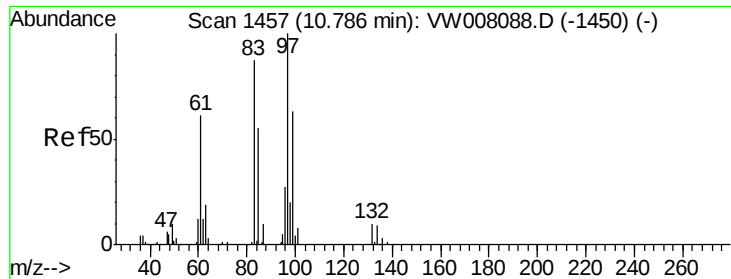
Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

39 48.1 41.4 62.0

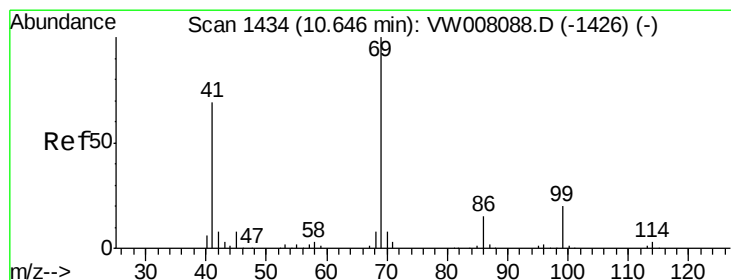
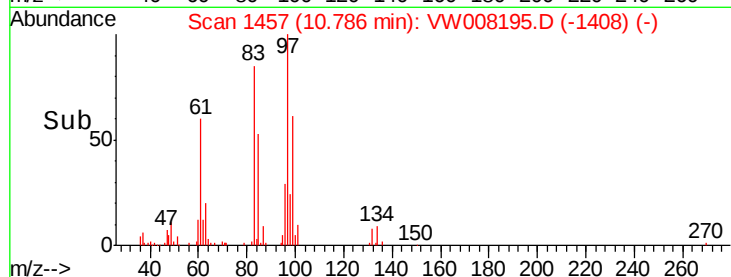
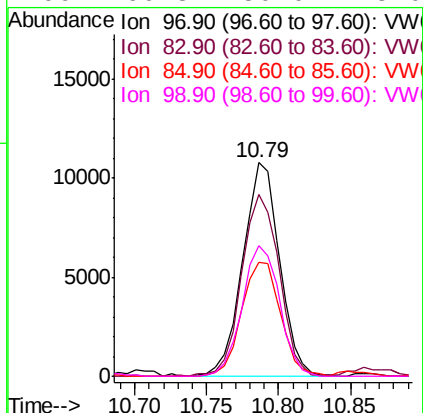
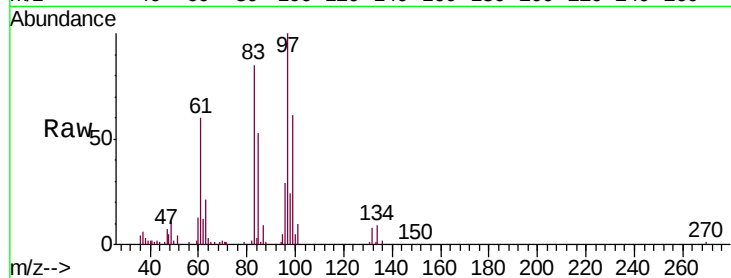




#55
 1,1,2-Trichloroethane
 Concen: 21.691 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

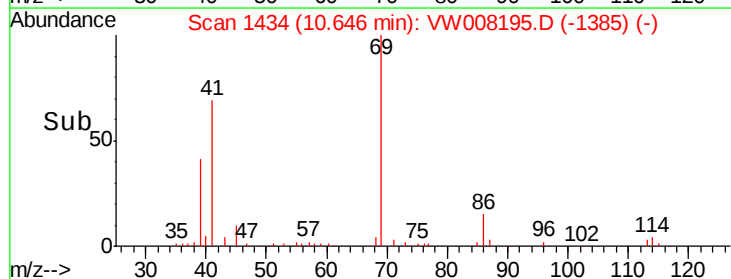
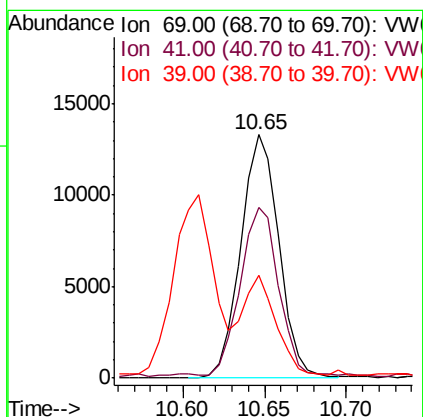
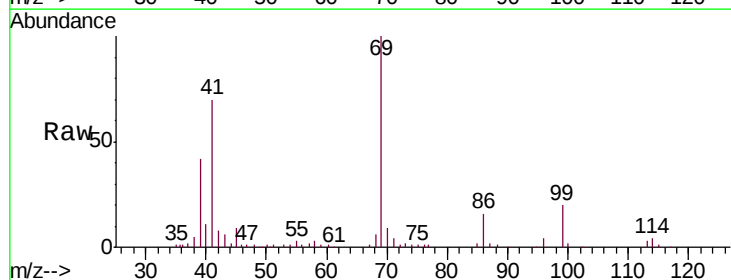
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD01

Tgt Ion:	97	Resp:	19035
Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.3	103.9
85	53.5	43.8	65.6
99	60.8	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 19.945 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Tgt Ion:	69	Resp:	21675
Ion	Ratio	Lower	Upper
69	100		
41	69.1	56.4	84.6
39	36.1	28.1	42.1

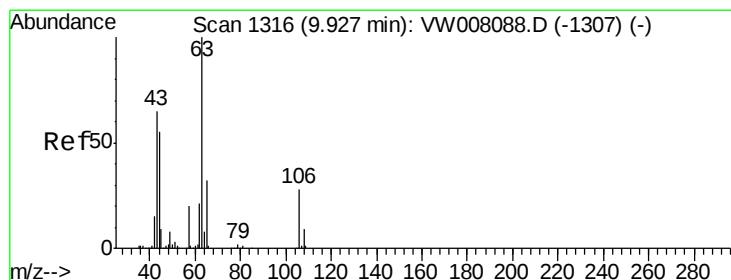
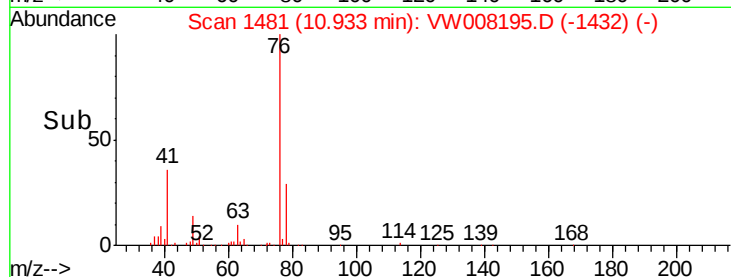
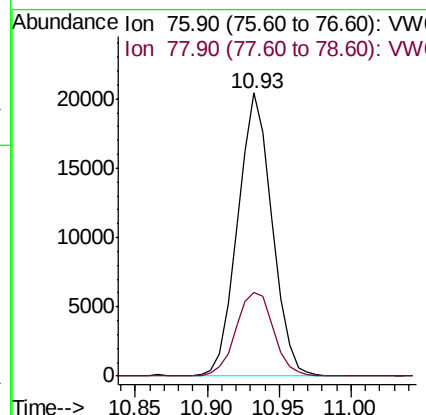
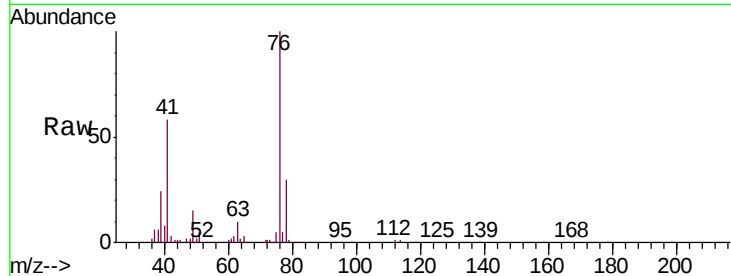




#57
 1,3-Dichloropropane
 Concen: 21.143 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

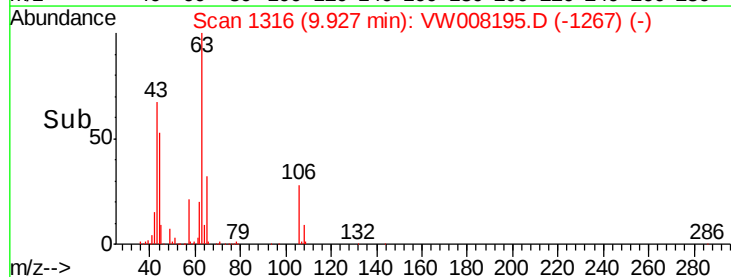
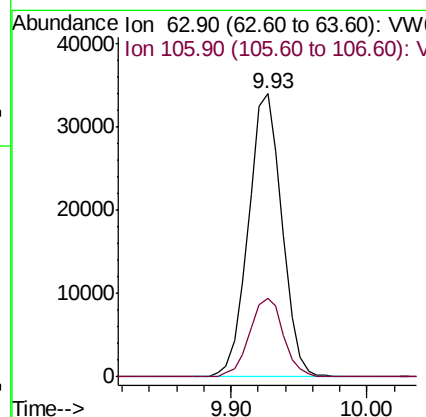
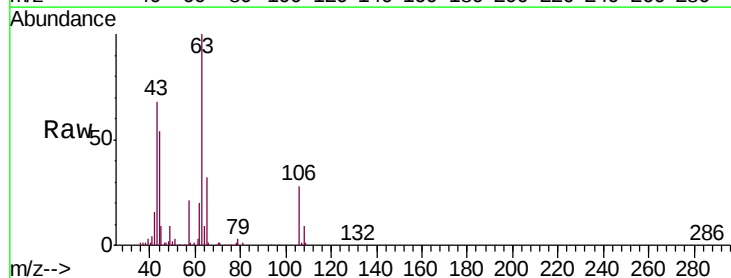
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD01

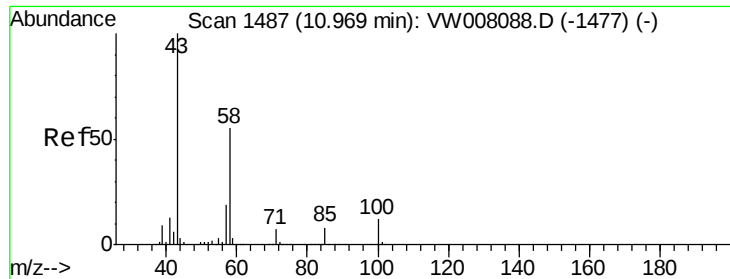
Tgt Ion: 76 Resp: 33933
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.761 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Tgt Ion: 63 Resp: 58809
 Ion Ratio Lower Upper
 63 100
 106 28.2 21.8 32.6

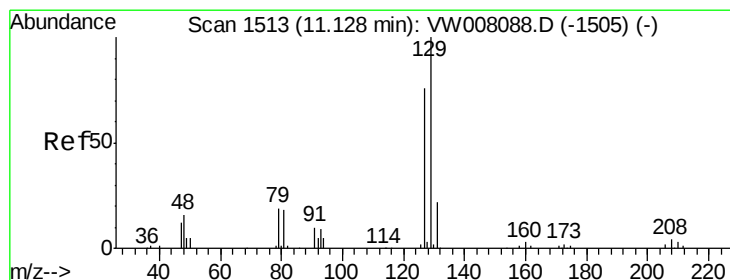
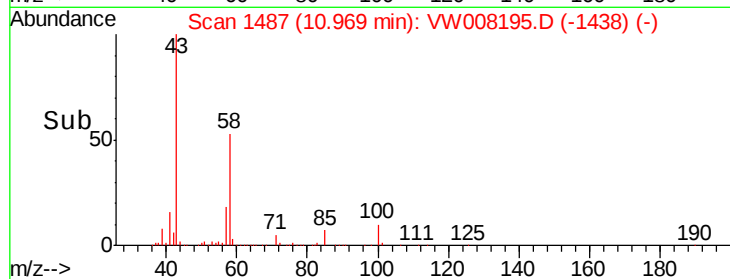
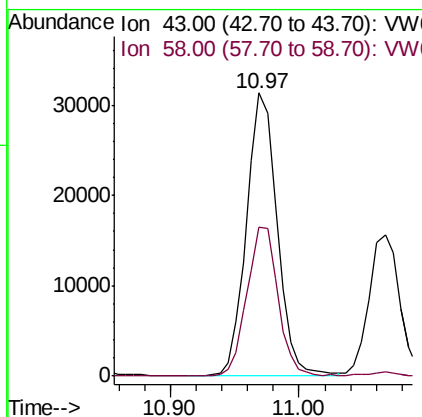
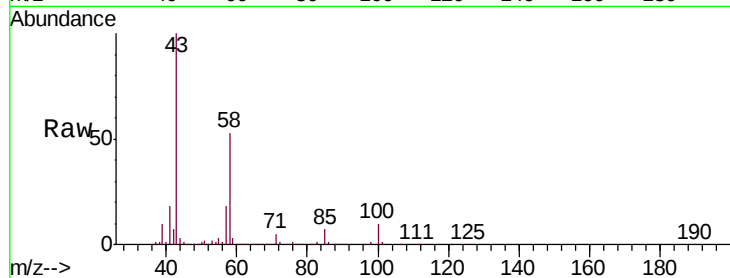




#59
2-Hexanone
Concen: 104.179 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

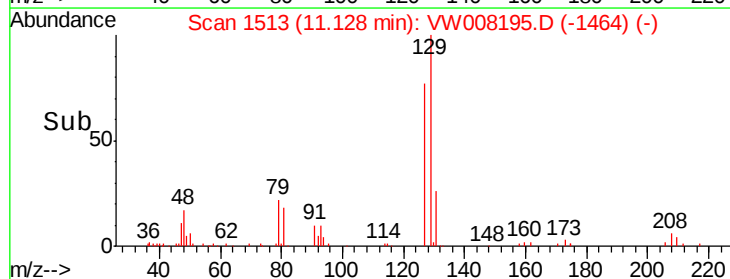
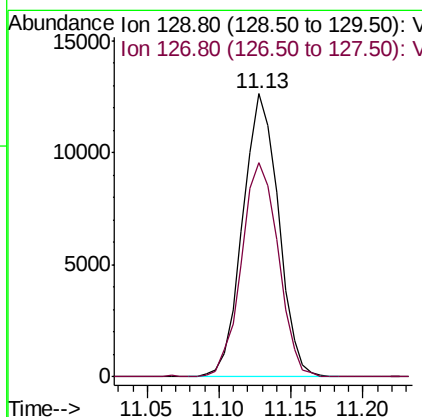
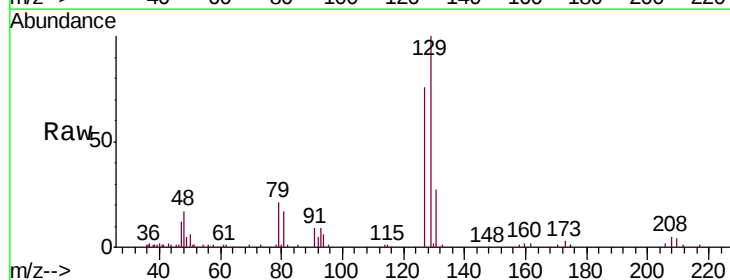
Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

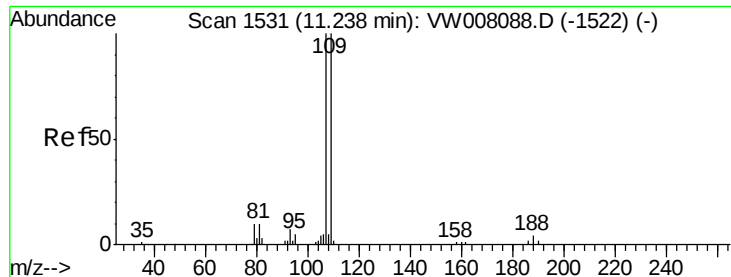
Tgt Ion: 43 Resp: 51693
Ion Ratio Lower Upper
43 100
58 52.9 27.2 81.5



#60
Dibromochloromethane
Concen: 22.527 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion: 129 Resp: 21708
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.6





#61

1,2-Dibromoethane

Concen: 22.296 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

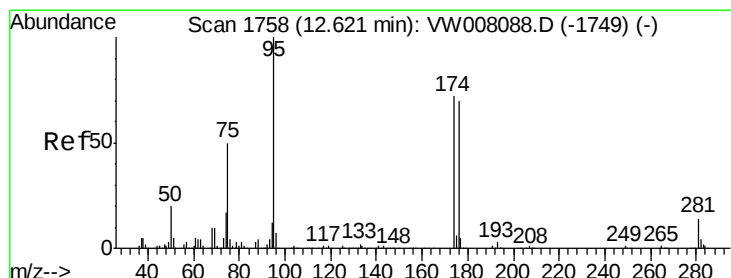
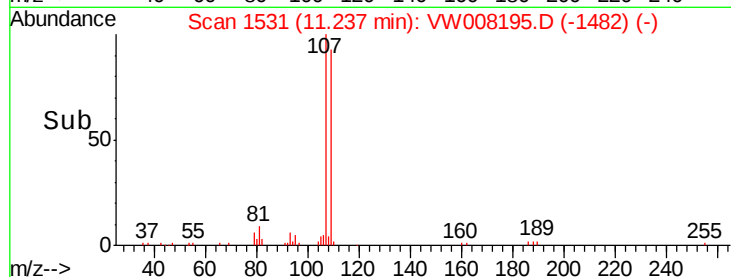
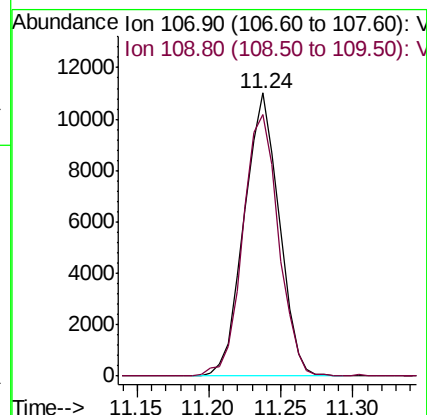
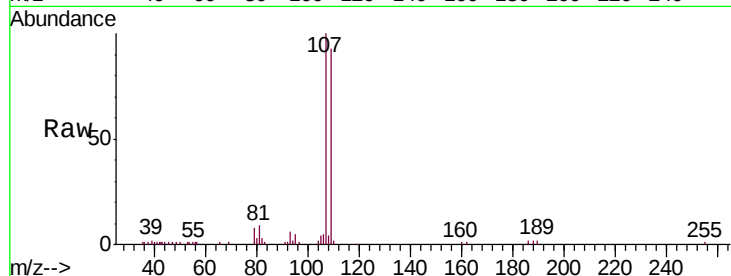
VW0111SBSD01

Tgt Ion: 107 Resp: 18565

Ion Ratio Lower Upper

107 100

109 94.3 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 50.330 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

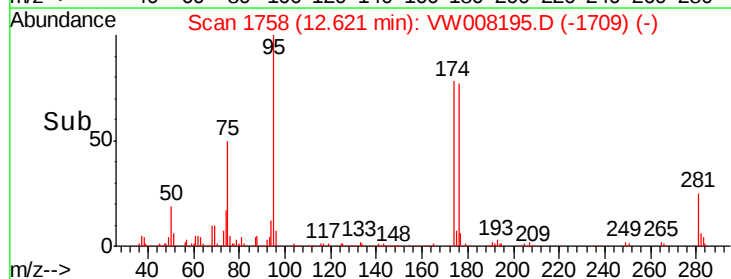
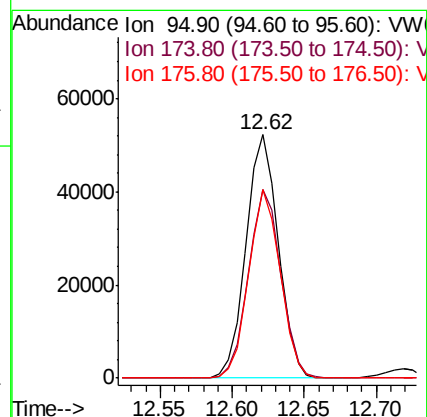
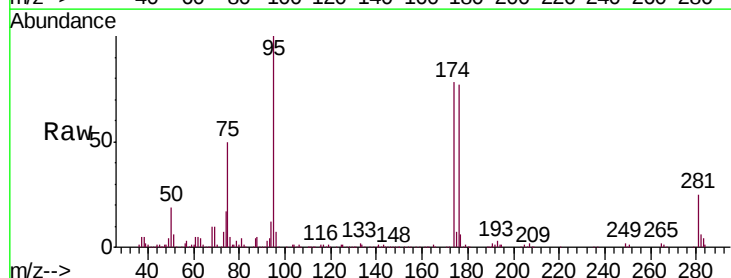
Tgt Ion: 95 Resp: 81128

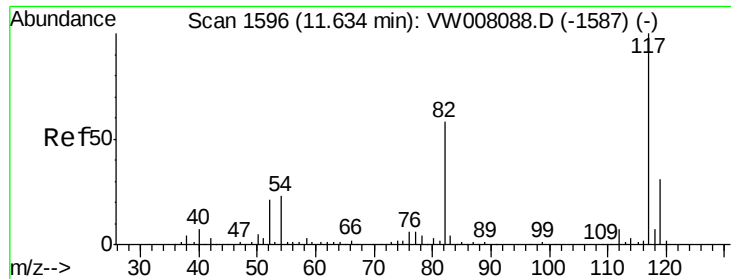
Ion Ratio Lower Upper

95 100

174 77.8 0.0 143.0

176 75.7 0.0 140.2

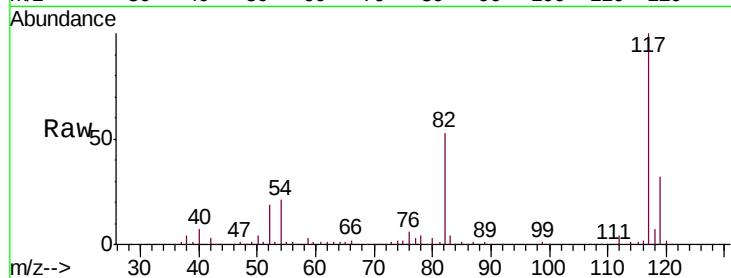




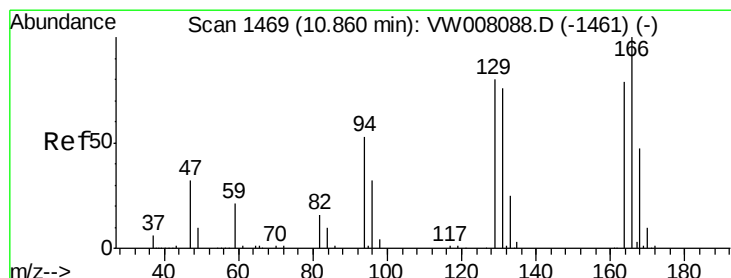
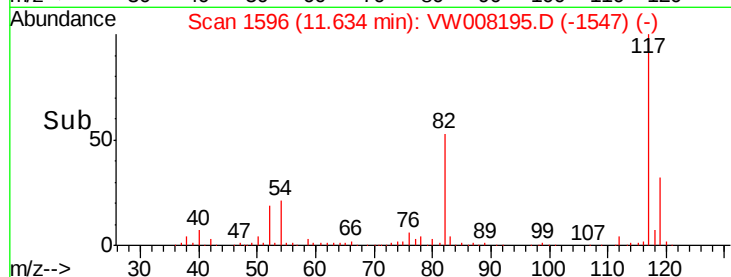
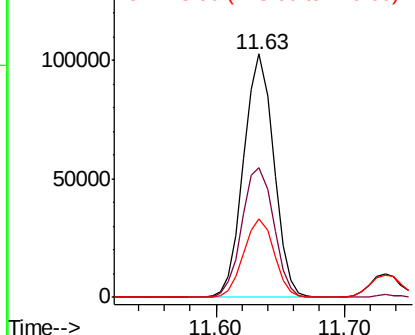
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

Tgt Ion:117 Resp: 166431
Ion Ratio Lower Upper
117 100
82 53.5 46.4 69.6
119 32.2 24.7 37.1

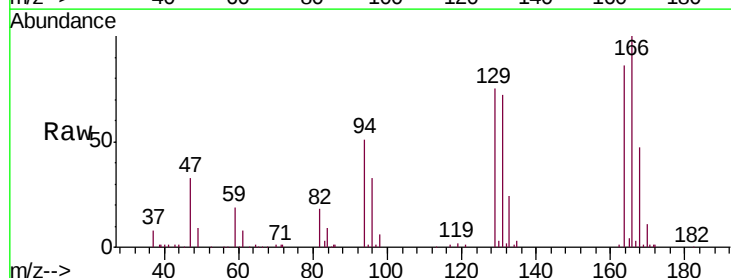


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

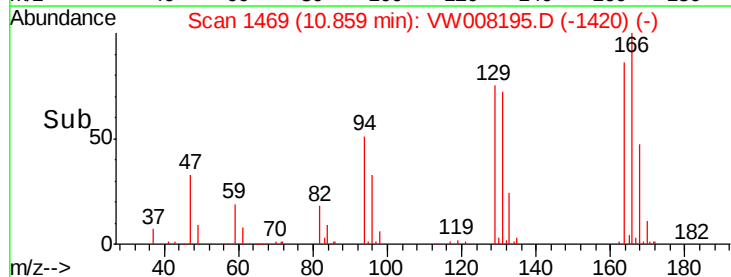
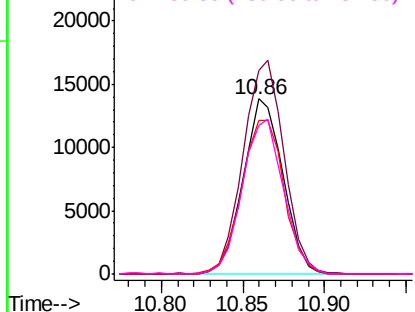


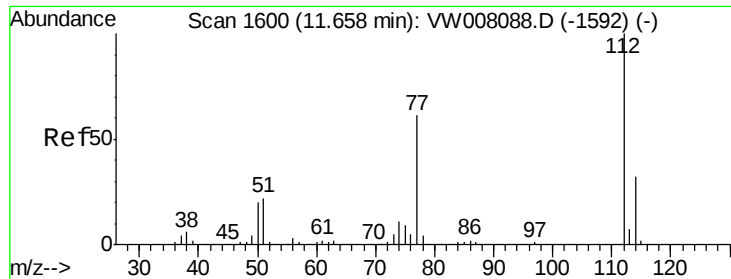
#64
Tetrachloroethene
Concen: 21.677 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion:164 Resp: 23479
Ion Ratio Lower Upper
164 100
166 116.5 100.7 151.1
129 87.6 81.0 121.4
131 84.4 76.1 114.1



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

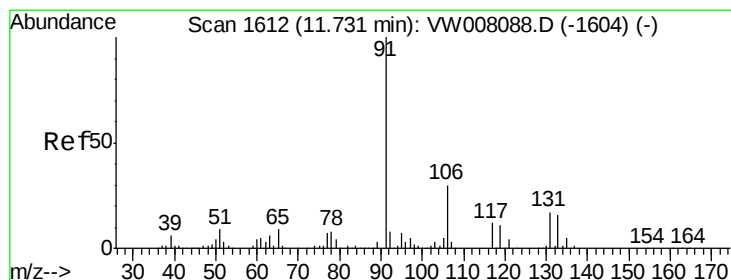
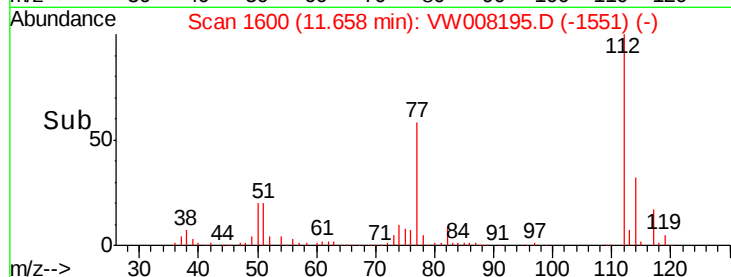
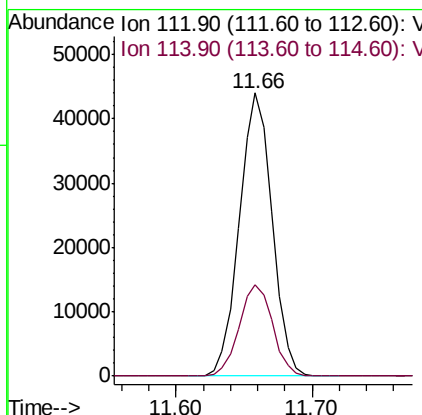
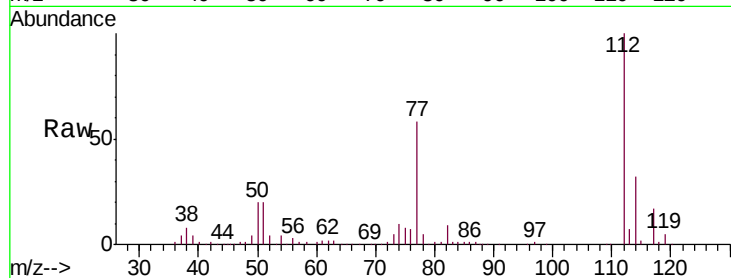




#65
Chlorobenzene
Concen: 21.007 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

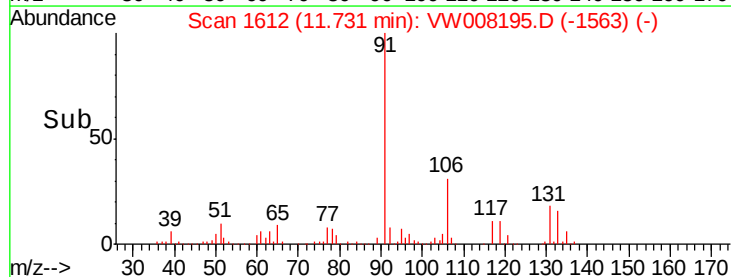
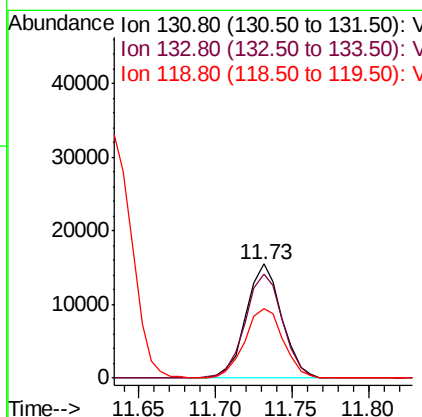
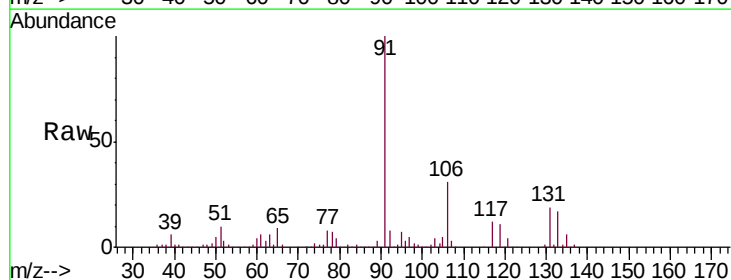
Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

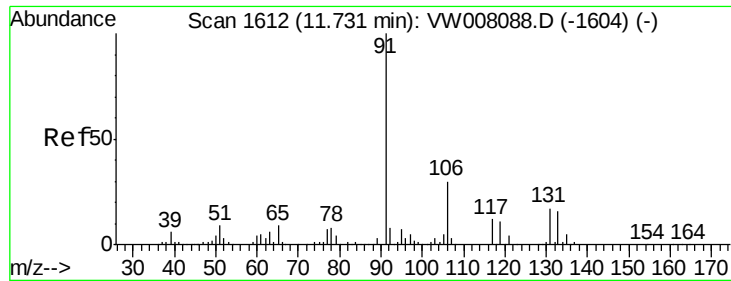
Tgt Ion:112 Resp: 74069
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.986 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion:131 Resp: 25214
Ion Ratio Lower Upper
131 100
133 95.1 47.9 143.7
119 65.2 32.5 97.4





#67

Ethyl Benzene

Concen: 20.221 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

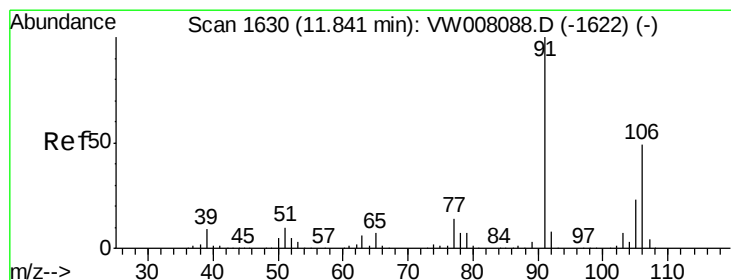
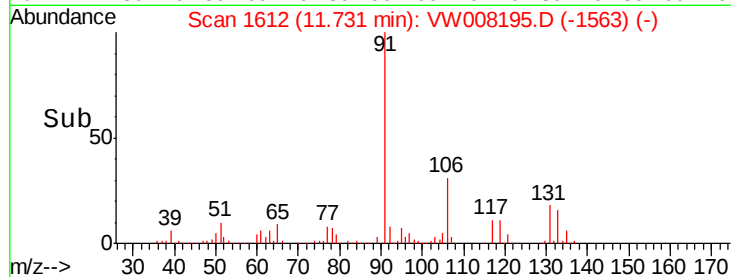
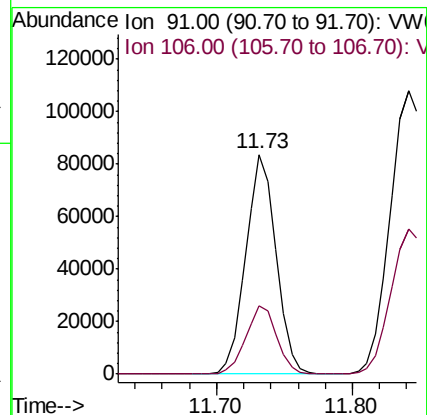
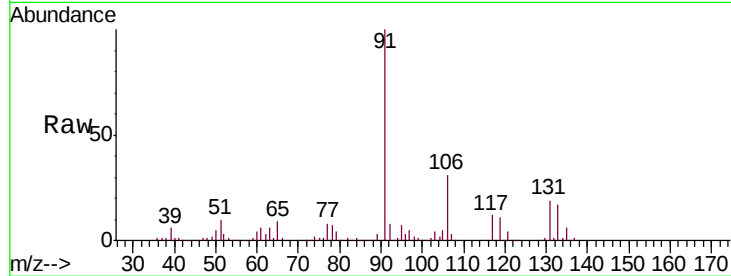
VW0111SBSD01

Tgt Ion: 91 Resp: 130459

Ion Ratio Lower Upper

91 100

106 31.3 24.2 36.4



#68

m/p-Xylenes

Concen: 42.213 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW008195.D

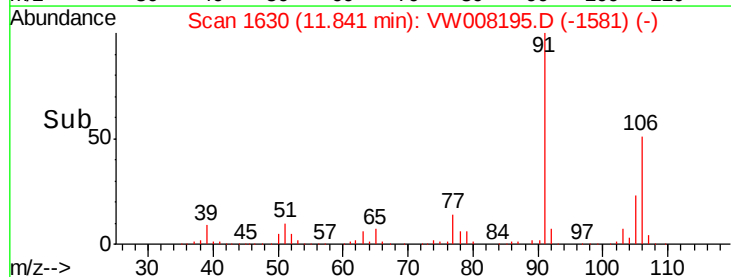
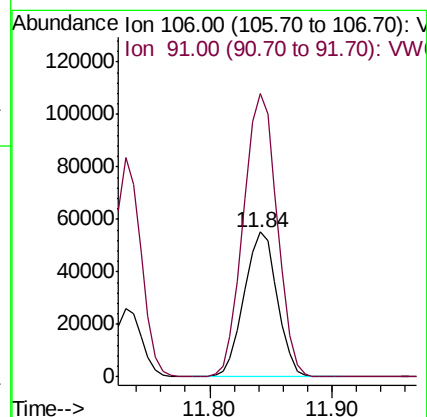
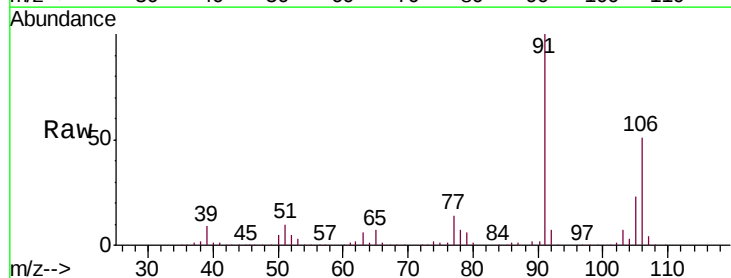
Acq: 11 Jan 2019 15:47

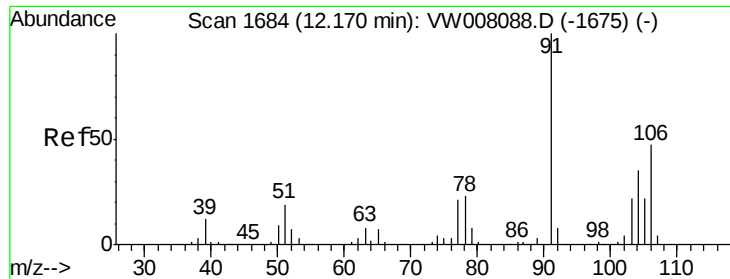
Tgt Ion:106 Resp: 103949

Ion Ratio Lower Upper

106 100

91 198.7 162.4 243.6

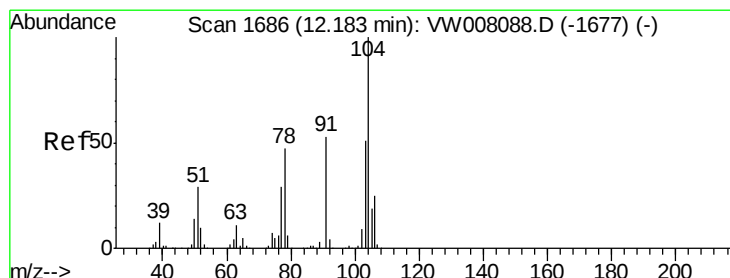
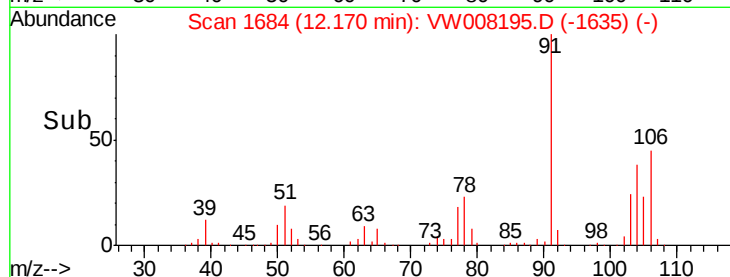
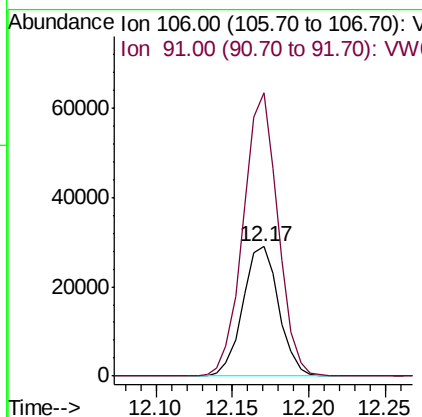
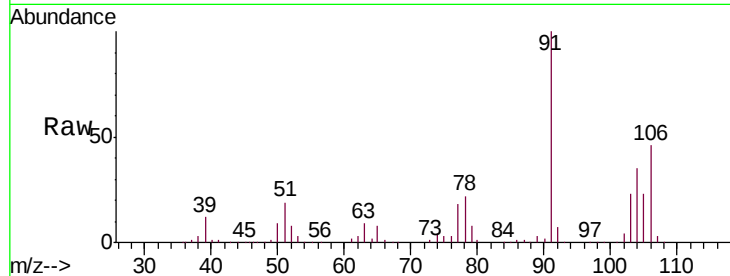




#69
o-Xylene
Concen: 20.816 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

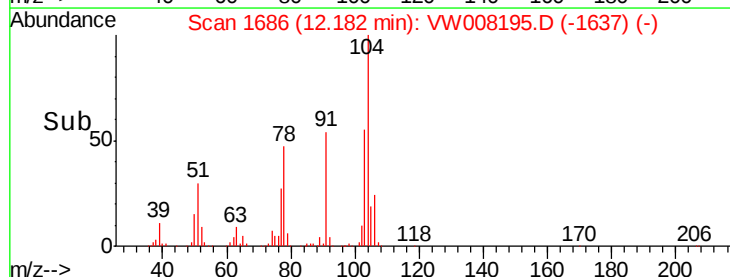
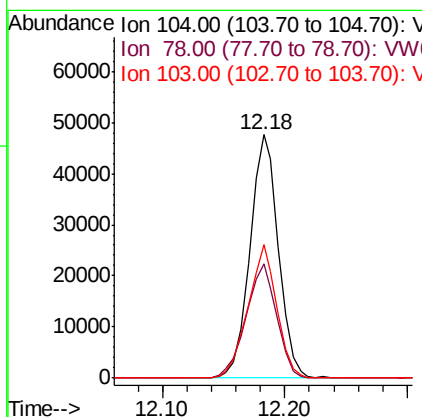
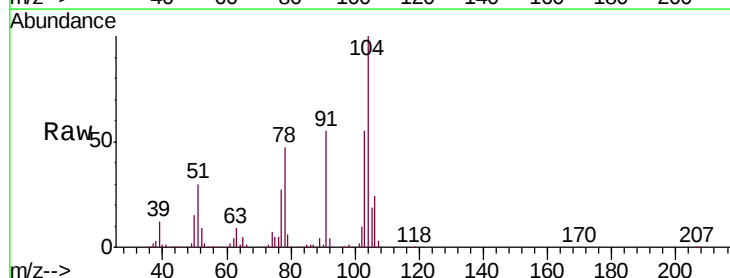
Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

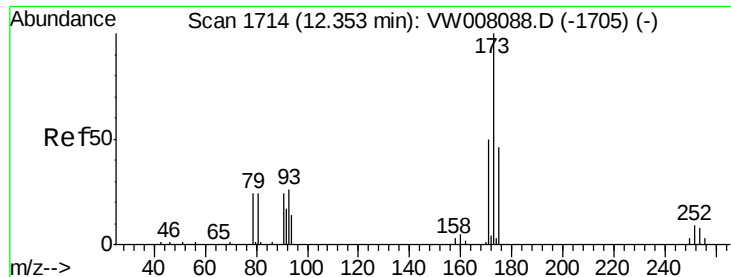
Tgt Ion:106 Resp: 47469
Ion Ratio Lower Upper
106 100
91 210.2 107.8 323.6



#70
Styrene
Concen: 21.567 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion:104 Resp: 77033
Ion Ratio Lower Upper
104 100
78 50.5 41.8 62.8
103 55.4 43.8 65.8





#71

Bromoform

Concen: 23.047 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD01

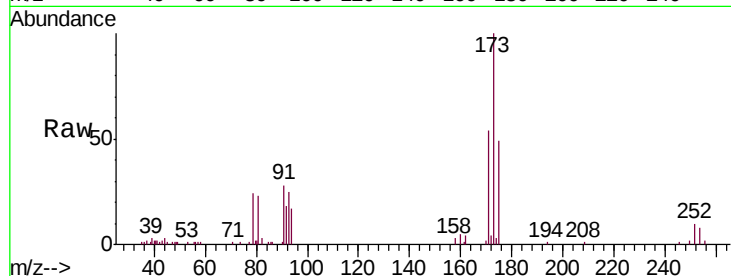
Tgt Ion:173 Resp: 11829

Ion Ratio Lower Upper

173 100

175 49.0 23.3 69.8

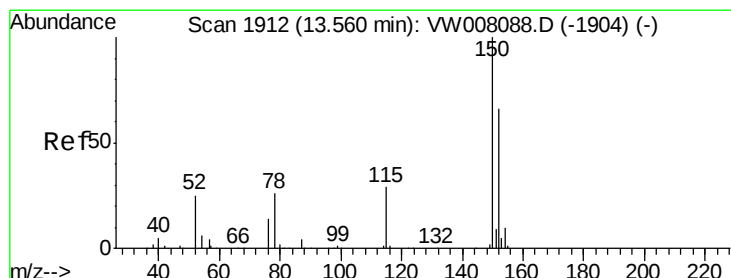
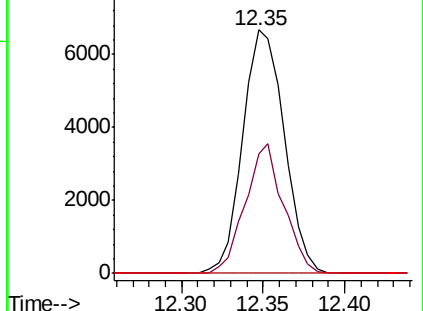
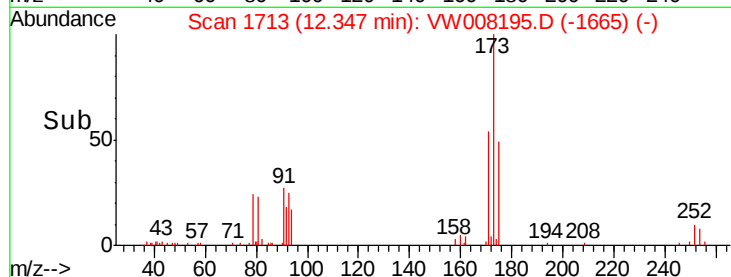
254 0.0 0.0 0.0



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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

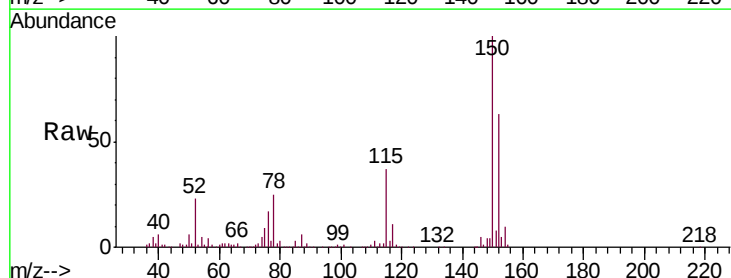
Tgt Ion:152 Resp: 82070

Ion Ratio Lower Upper

152 100

115 59.9 30.8 92.4

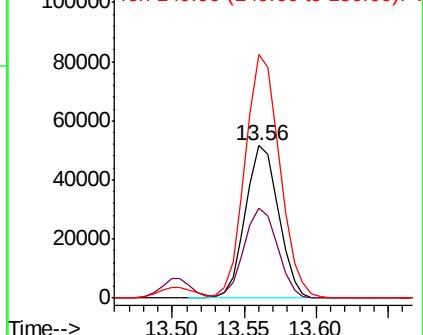
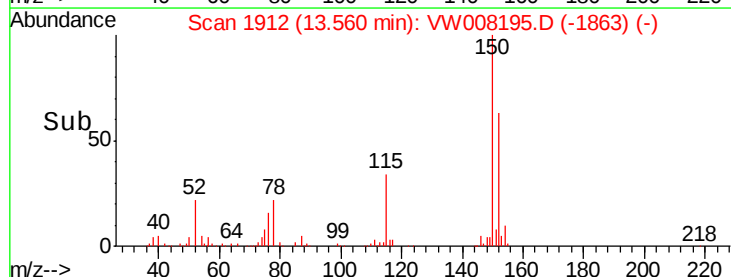
150 167.3 0.0 350.2

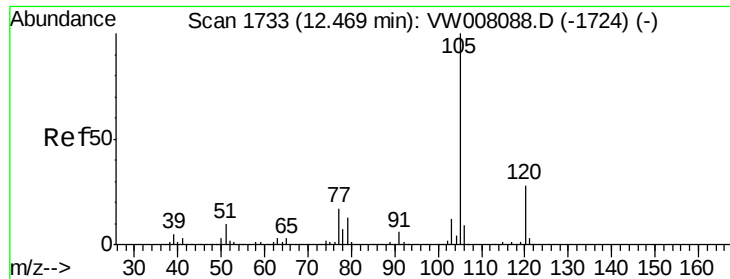


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.385 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

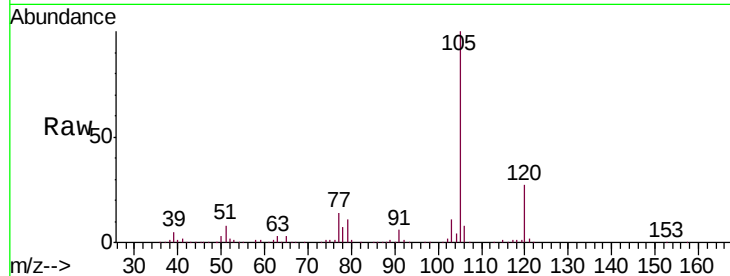
VW0111SBSD01

Tgt Ion:105 Resp: 131344

Ion Ratio Lower Upper

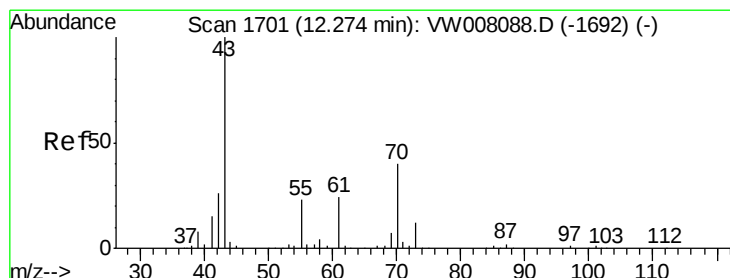
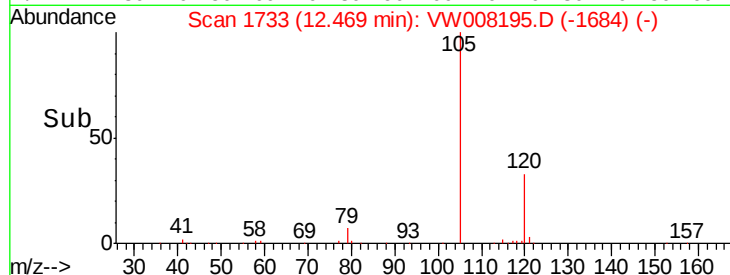
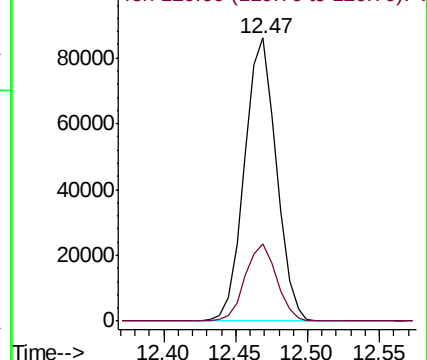
105 100

120 27.0 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.041 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Tgt Ion: 43 Resp: 27170

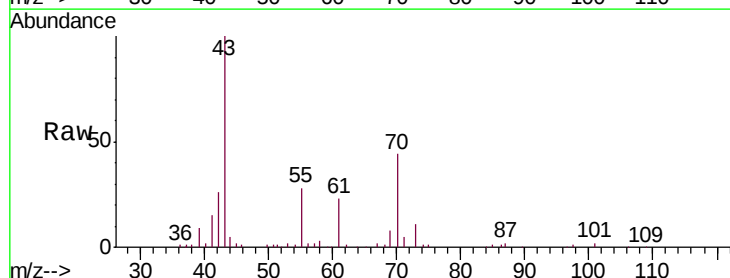
Ion Ratio Lower Upper

43 100

70 43.3 32.4 48.6

55 26.5 18.7 28.1

61 23.5 19.0 28.6

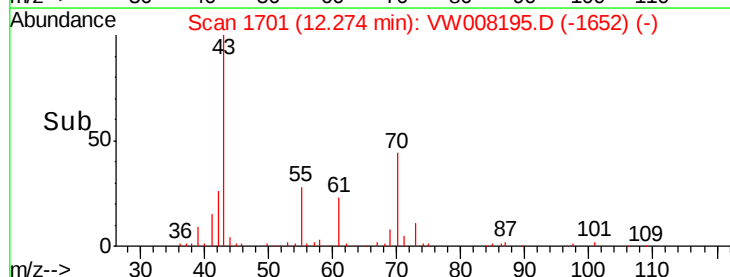
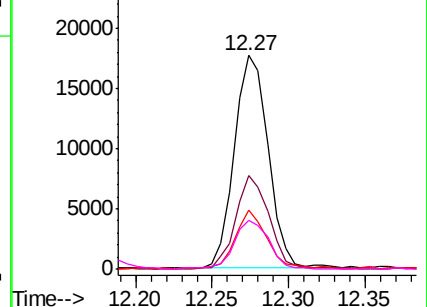


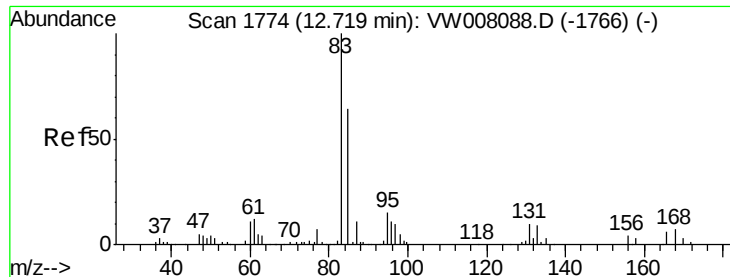
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 20.287 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD01

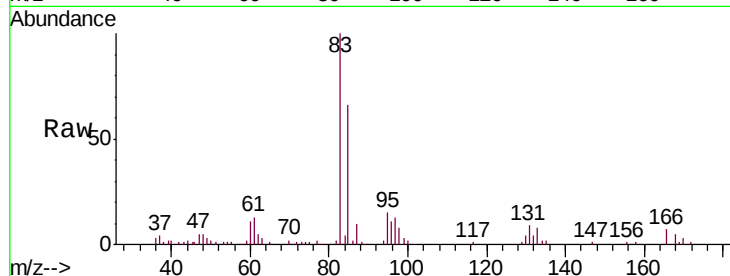
Tgt Ion: 83 Resp: 20923

Ion Ratio Lower Upper

83 100

131 11.8 5.3 16.1

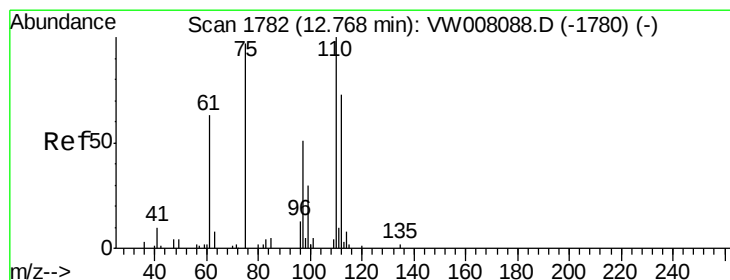
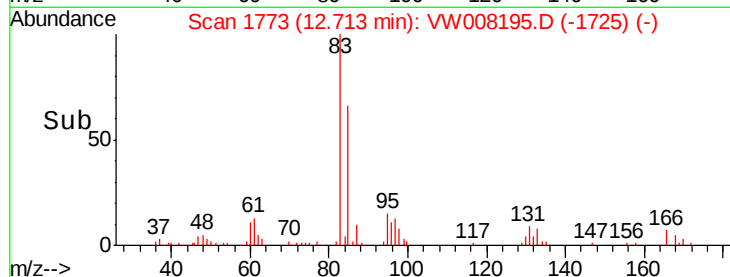
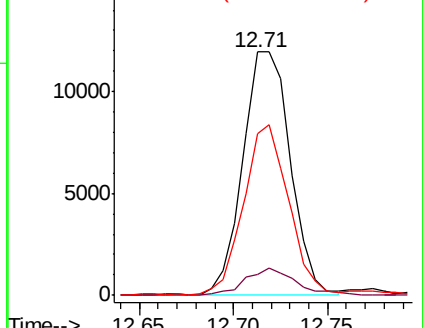
85 66.7 32.4 97.2



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: 37.105 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW008195.D

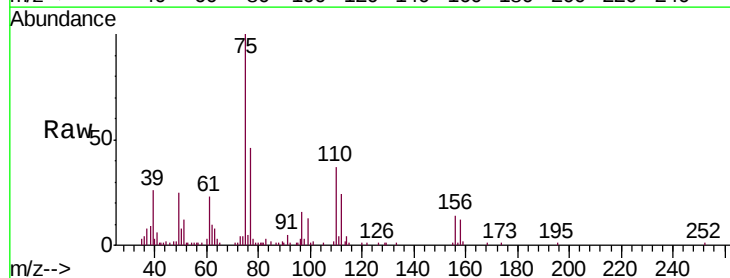
Acq: 11 Jan 2019 15:47

Tgt Ion: 75 Resp: 27760

Ion Ratio Lower Upper

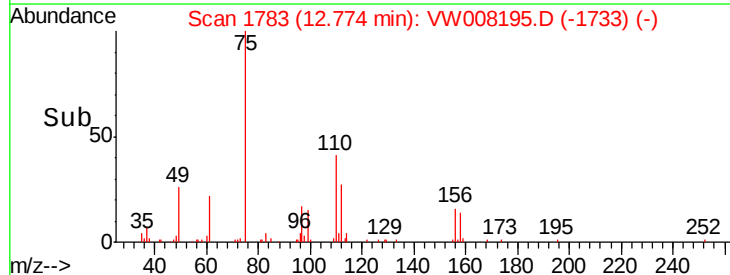
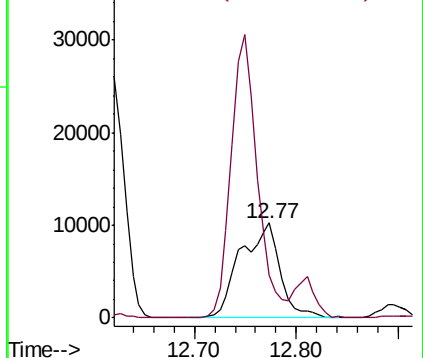
75 100

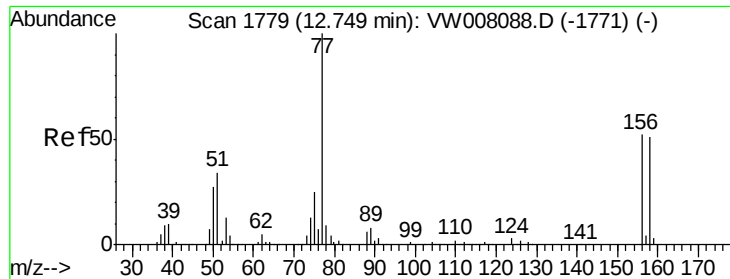
77 0.0 179.4 538.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.472 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD01

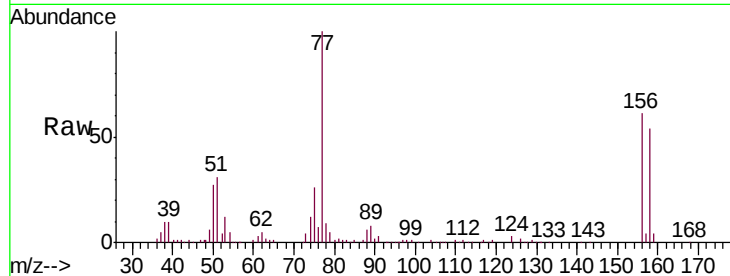
Tgt Ion:156 Resp: 29233

Ion Ratio Lower Upper

156 100

77 187.8 104.2 312.5

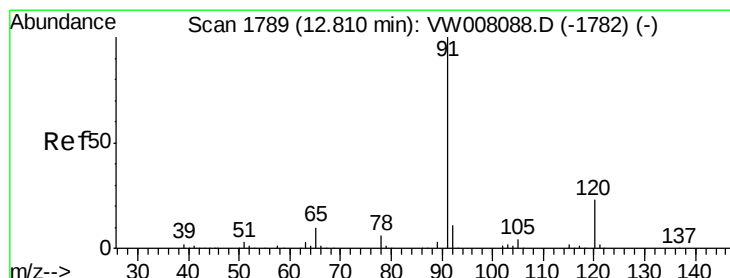
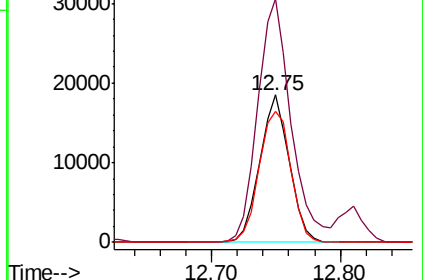
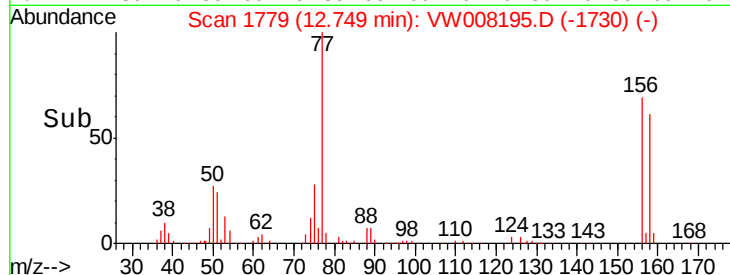
158 95.9 47.9 143.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.313 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW008195.D

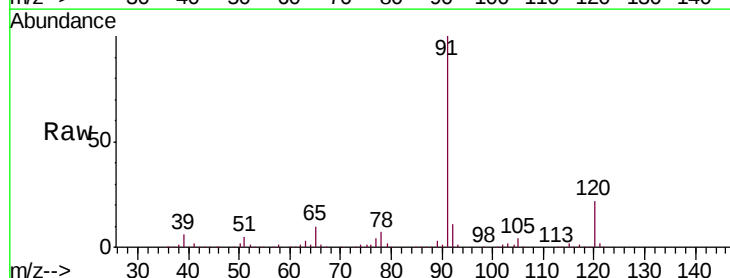
Acq: 11 Jan 2019 15:47

Tgt Ion: 91 Resp: 160364

Ion Ratio Lower Upper

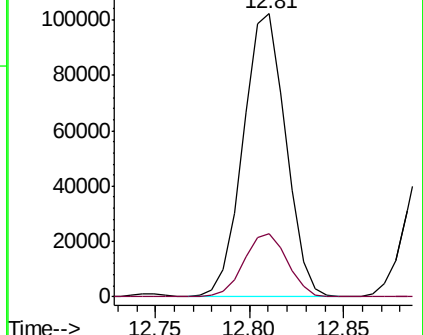
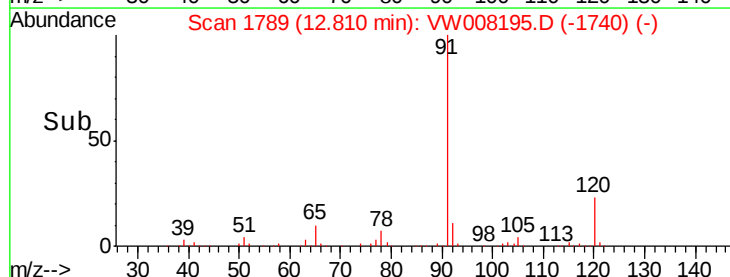
91 100

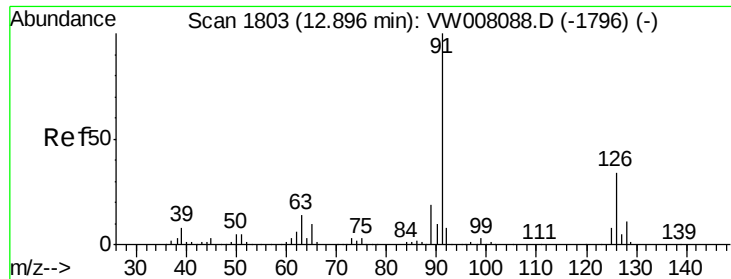
120 22.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.135 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

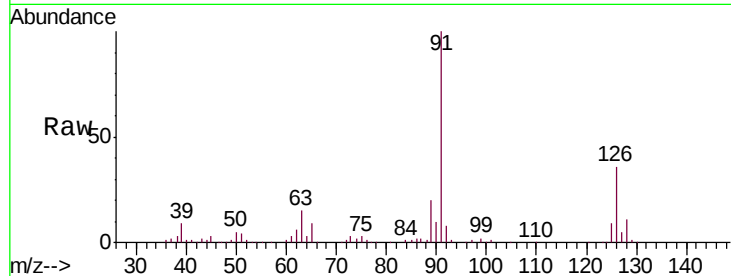
VW0111SBSD01

Tgt Ion: 91 Resp: 88688

Ion Ratio Lower Upper

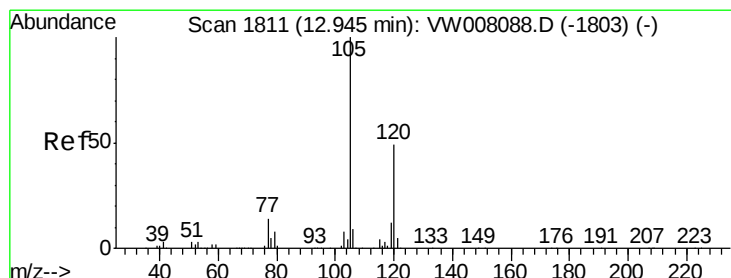
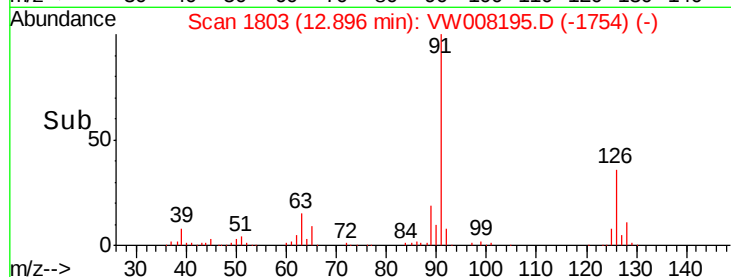
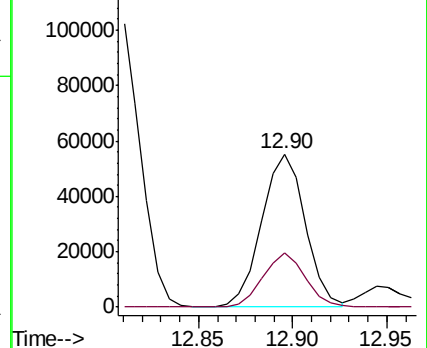
91 100

126 34.5 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.753 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008195.D

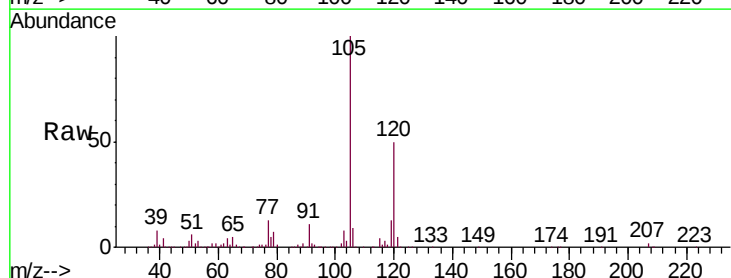
Acq: 11 Jan 2019 15:47

Tgt Ion:105 Resp: 109883

Ion Ratio Lower Upper

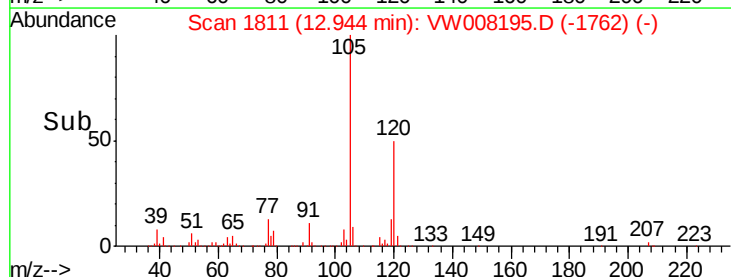
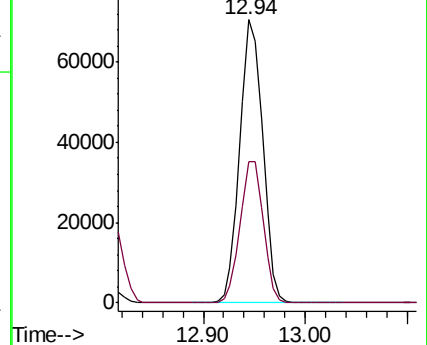
105 100

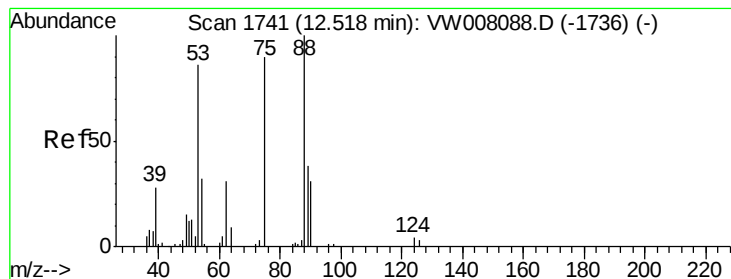
120 50.6 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.724 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD01

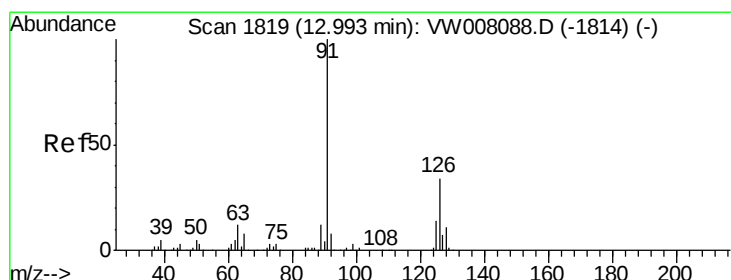
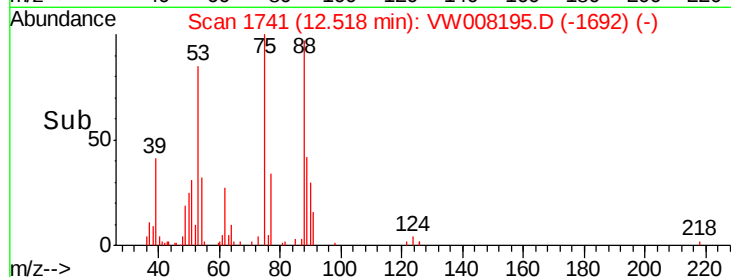
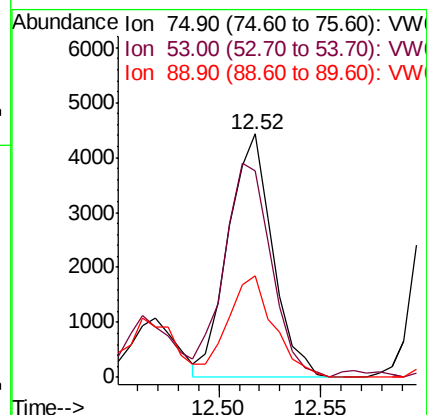
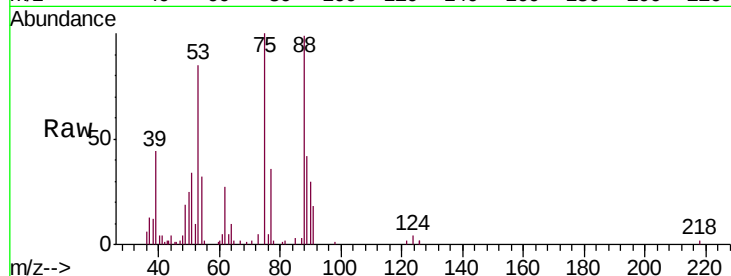
Tgt Ion: 75 Resp: 6658

Ion Ratio Lower Upper

75 100

53 93.9 78.8 118.2

89 42.4 35.4 53.2



#82

4-Chlorotoluene

Concen: 20.438 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW008195.D

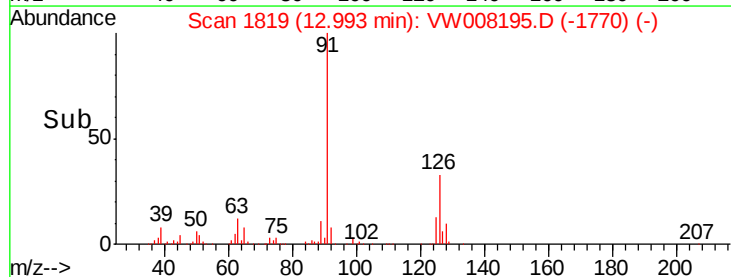
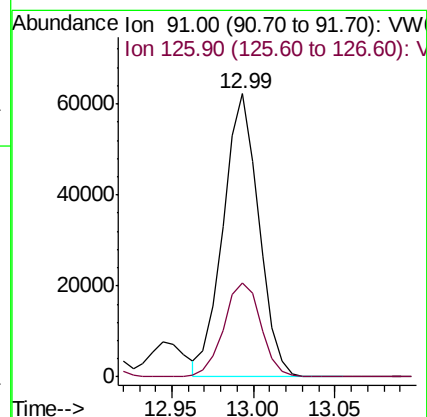
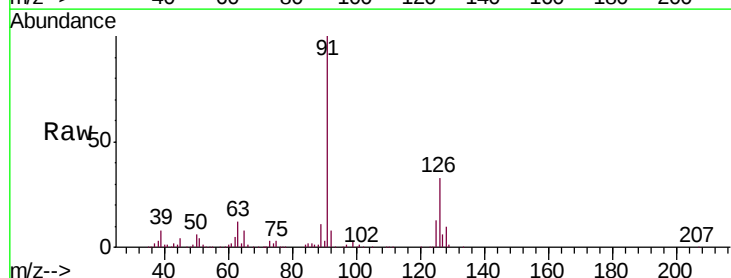
Acq: 11 Jan 2019 15:47

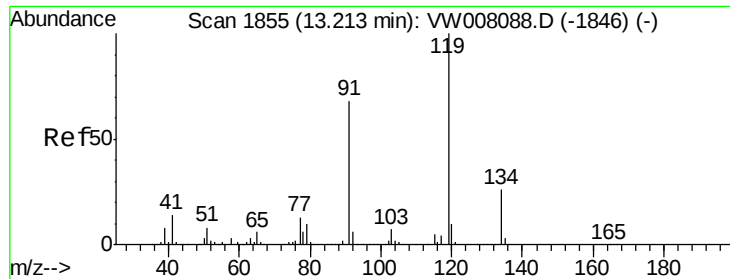
Tgt Ion: 91 Resp: 94808

Ion Ratio Lower Upper

91 100

126 34.6 16.5 49.5

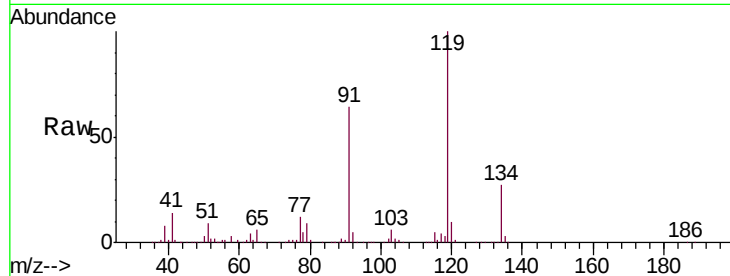




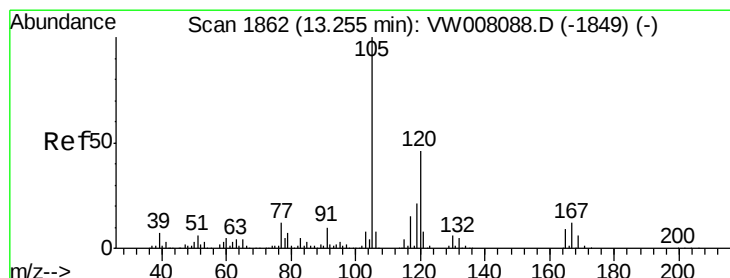
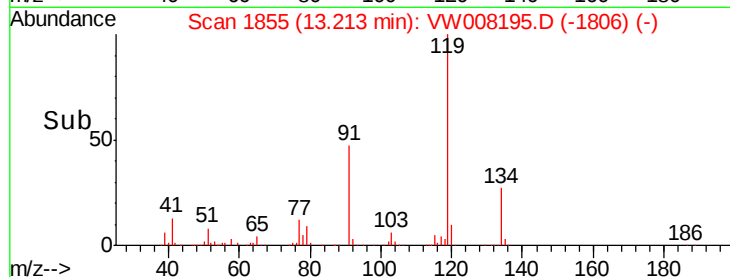
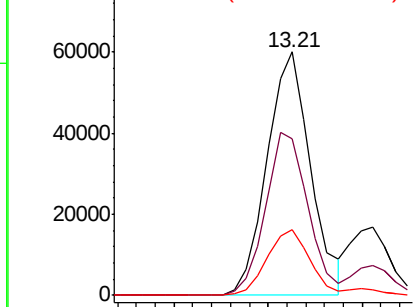
#83
tert-Butylbenzene
Concen: 20.629 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

Tgt Ion:119 Resp: 96630
Ion Ratio Lower Upper
119 100
91 65.0 33.9 101.6
134 26.6 13.6 40.8

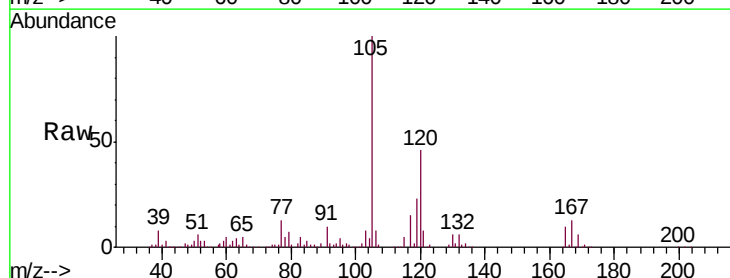


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

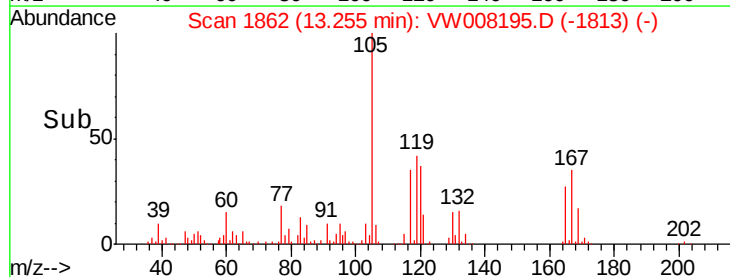
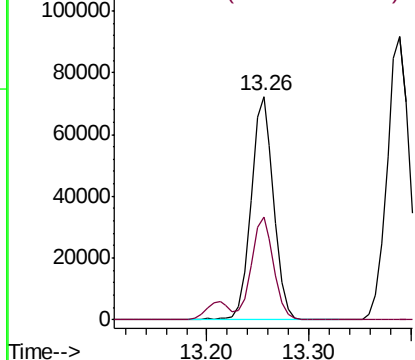


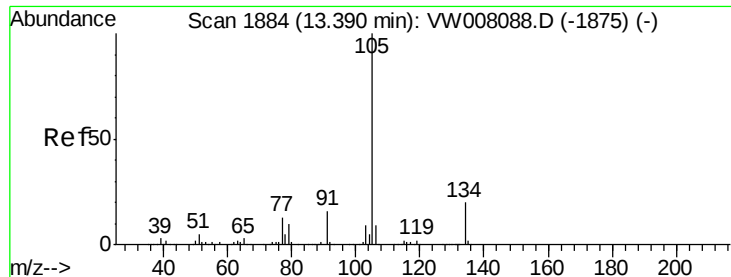
#84
1,2,4-Trimethylbenzene
Concen: 20.342 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion:105 Resp: 111086
Ion Ratio Lower Upper
105 100
120 45.7 22.7 68.1



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

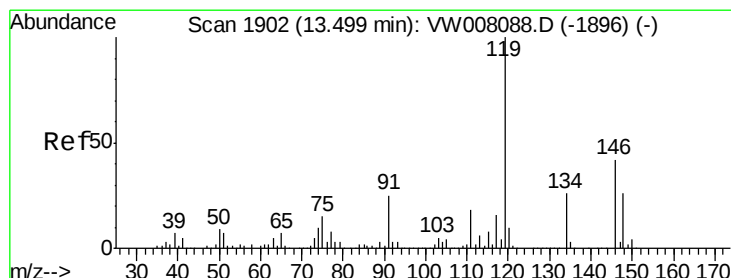
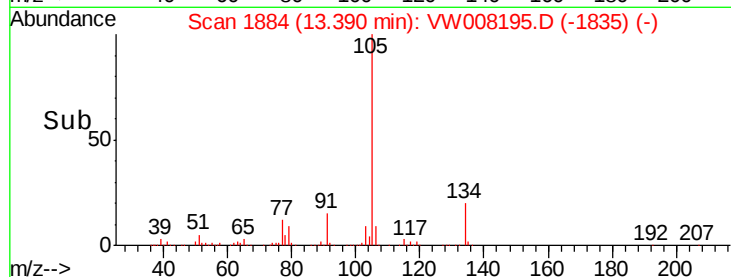
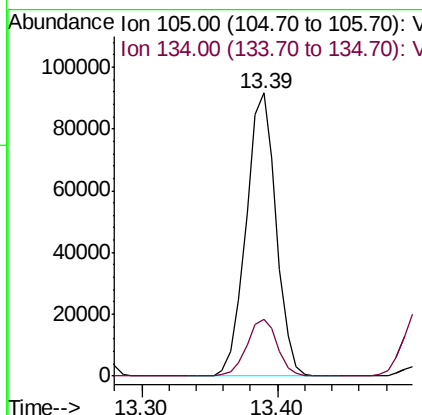
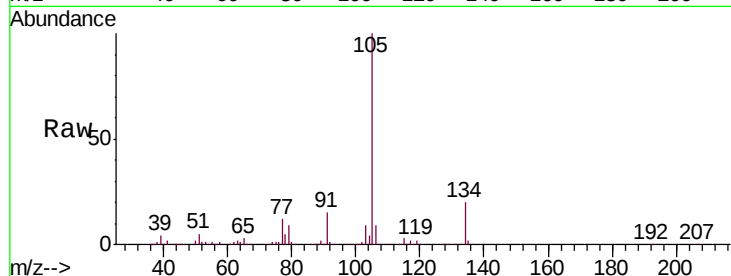




#85
 sec-Butylbenzene
 Concen: 20.594 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

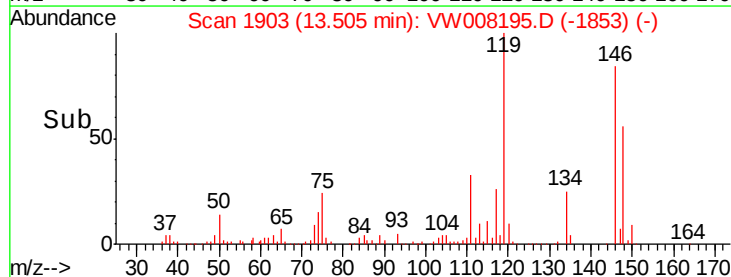
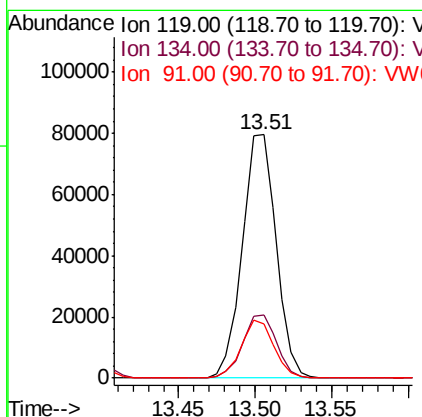
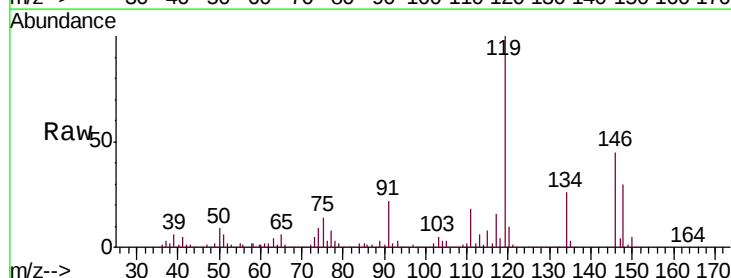
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD01

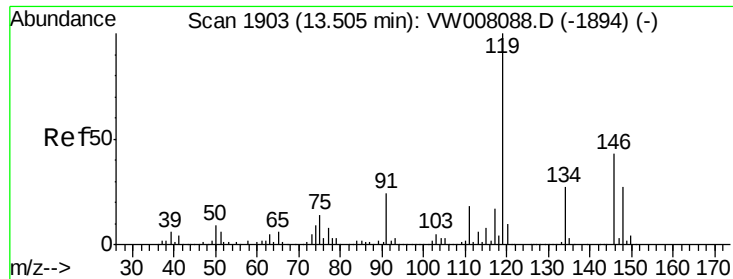
Tgt Ion:105 Resp: 141310
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 20.583 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Tgt Ion:119 Resp: 121960
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.3 39.8
 91 23.3 12.3 36.9

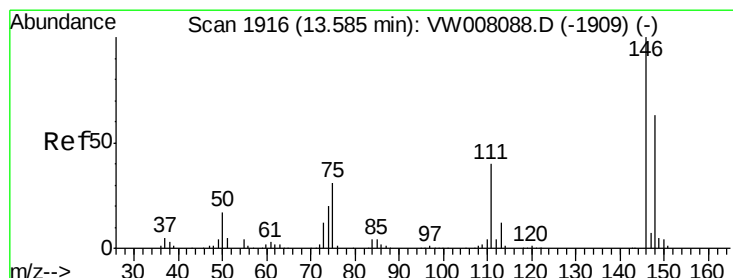
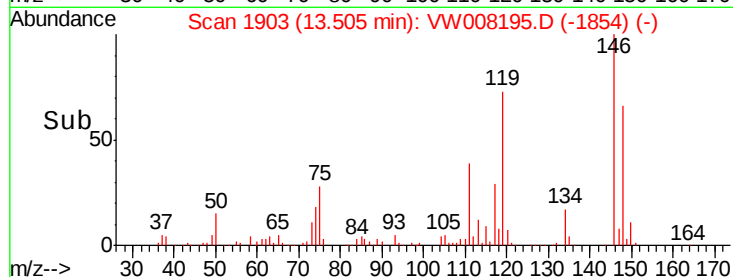
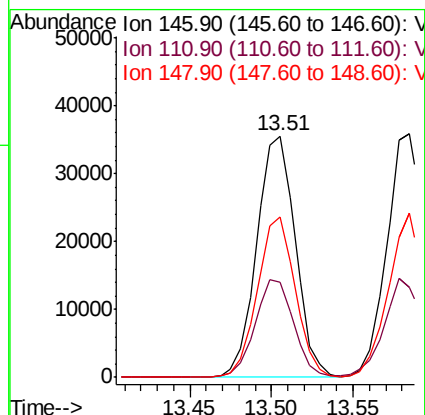
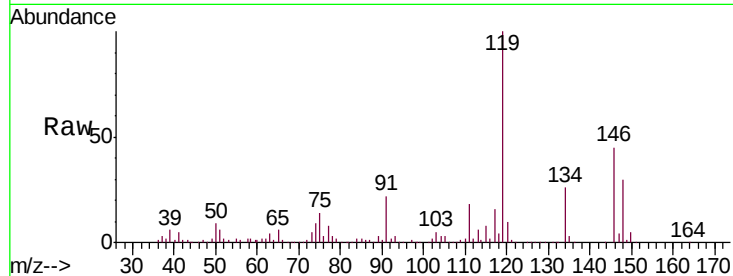




#87
 1,3-Dichlorobenzene
 Concen: 21.203 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

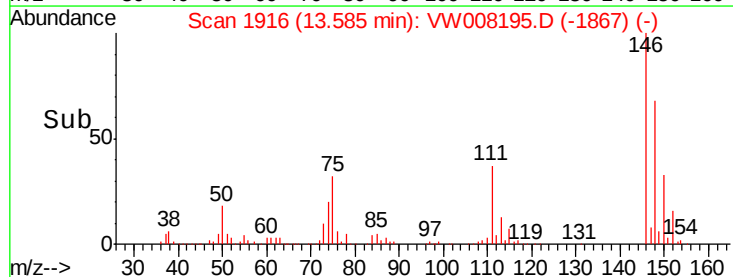
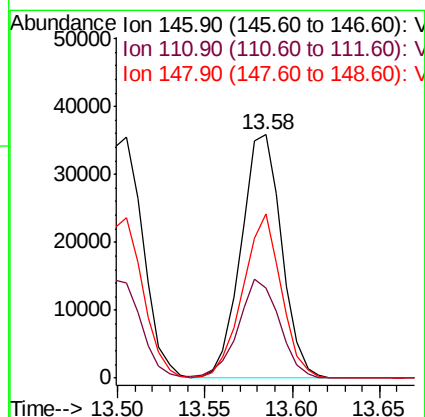
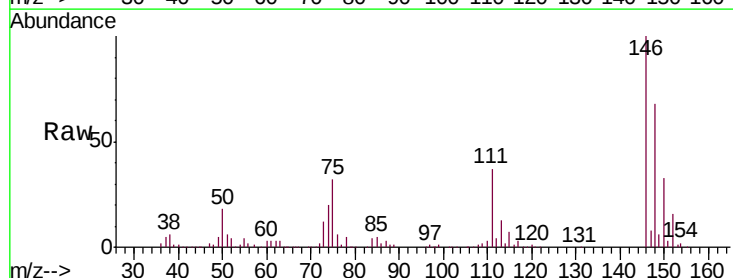
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD01

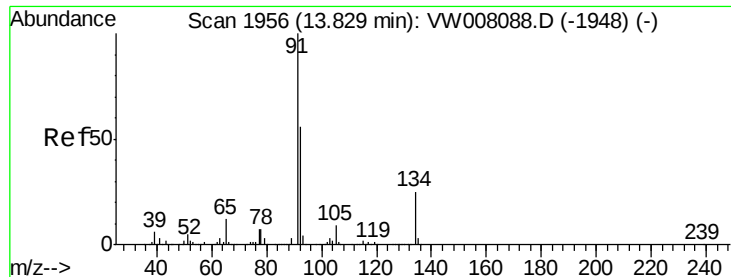
Tgt Ion:146 Resp: 58557
 Ion Ratio Lower Upper
 146 100
 111 40.6 21.1 63.1
 148 65.0 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 20.979 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Tgt Ion:146 Resp: 58131
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.5 61.5
 148 64.1 31.6 94.8





#89

n-Butylbenzene

Concen: 20.518 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008195.D

Acq: 11 Jan 2019 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD01

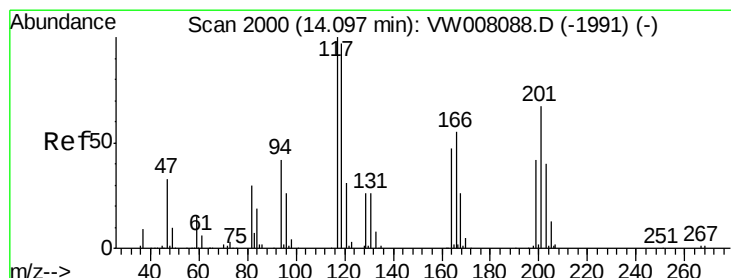
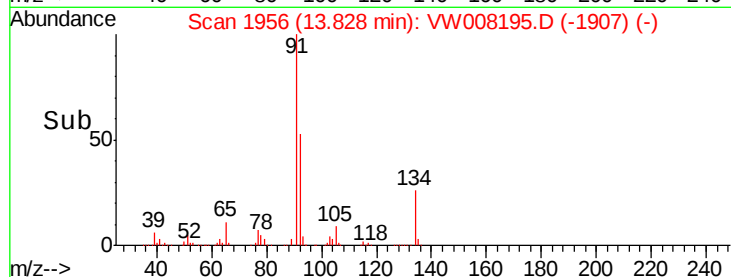
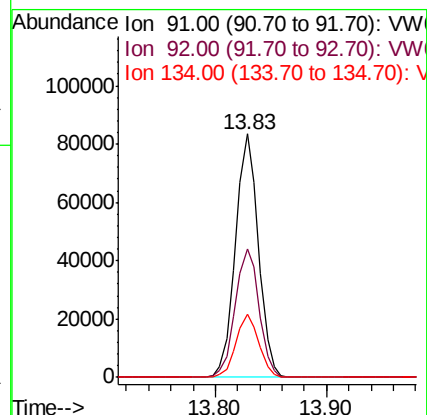
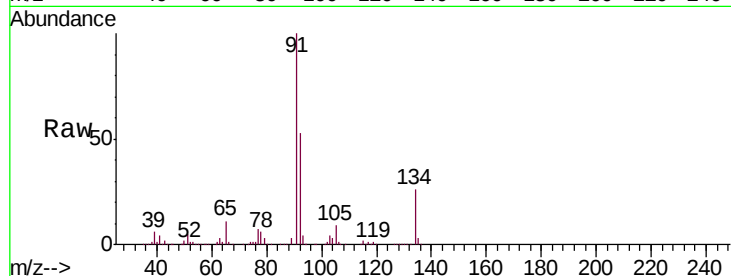
Tgt Ion: 91 Resp: 119076

Ion Ratio Lower Upper

91 100

92 54.6 27.4 82.2

134 25.9 12.6 37.8



#90

Hexachloroethane

Concen: 21.200 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW008195.D

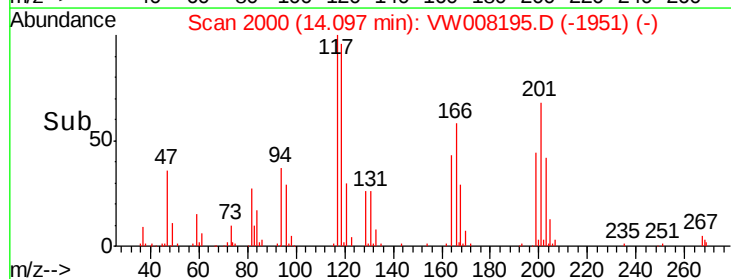
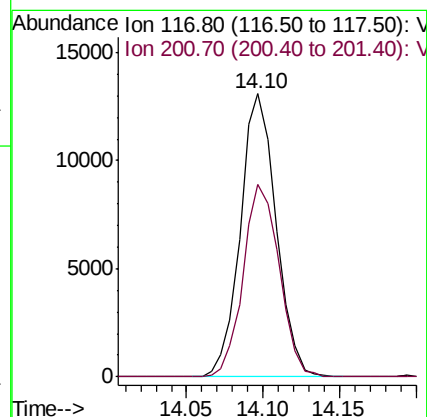
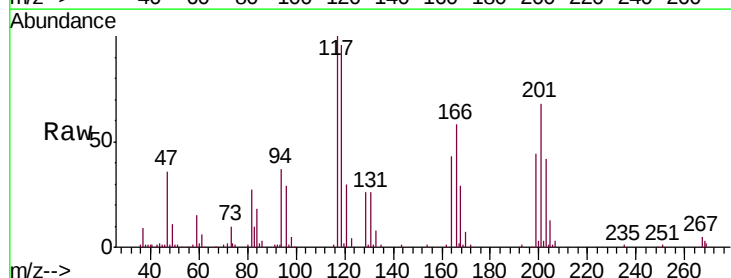
Acq: 11 Jan 2019 15:47

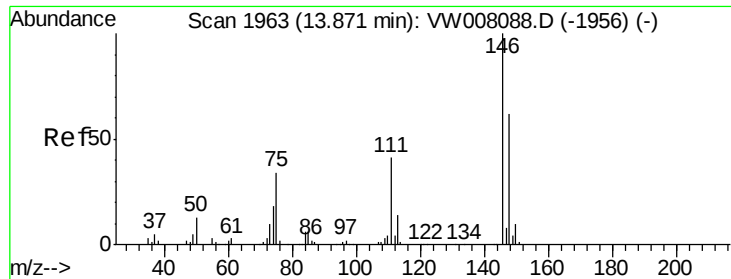
Tgt Ion: 117 Resp: 21218

Ion Ratio Lower Upper

117 100

201 68.5 33.0 98.9

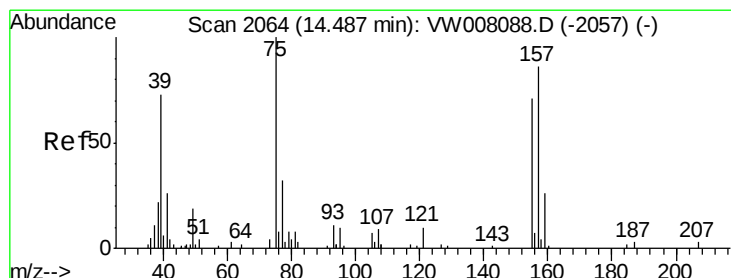
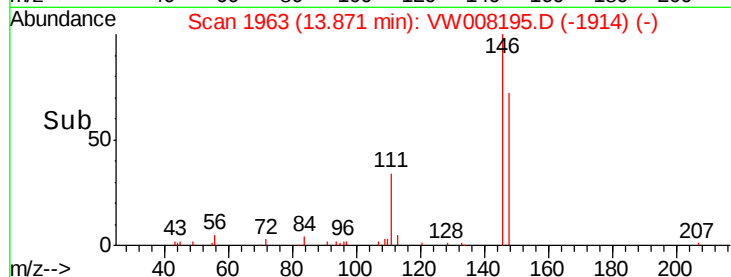
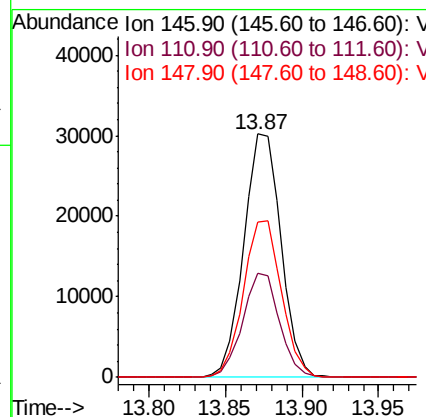
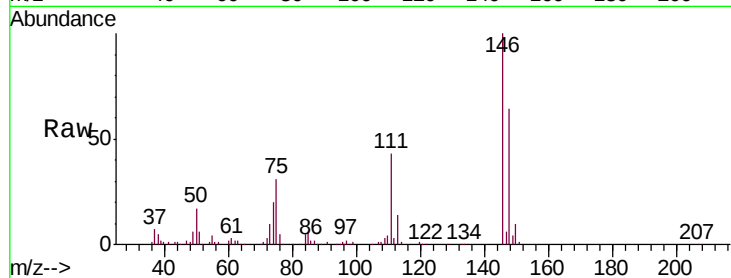




#91
 1,2-Dichlorobenzene
 Concen: 21.093 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

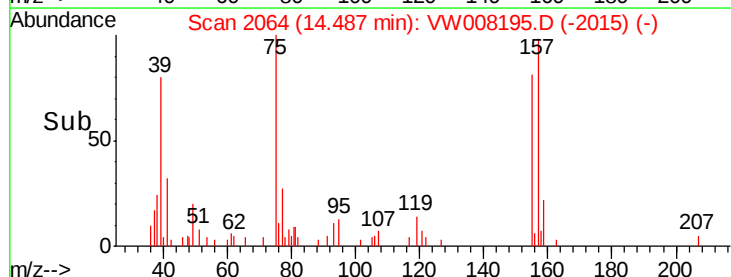
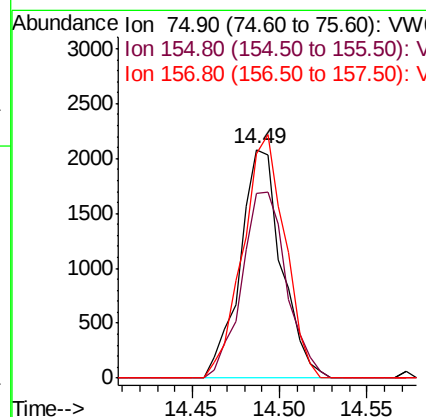
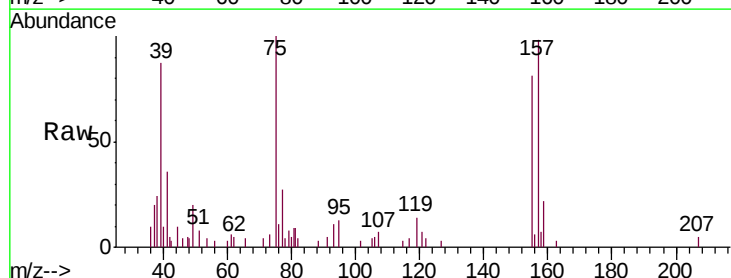
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD01

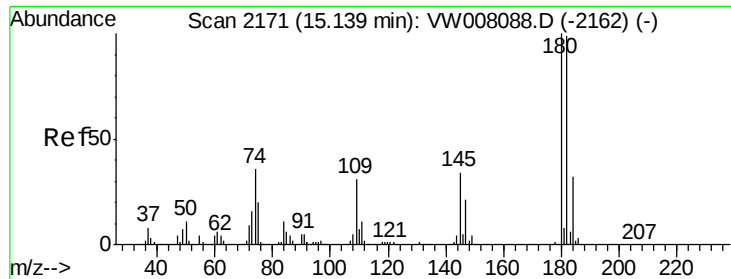
Tgt Ion:146 Resp: 51195
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.3 63.7
 148 65.5 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.786 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Tgt Ion: 75 Resp: 3450
 Ion Ratio Lower Upper
 75 100
 155 87.2 38.6 115.7
 157 107.4 47.5 142.6

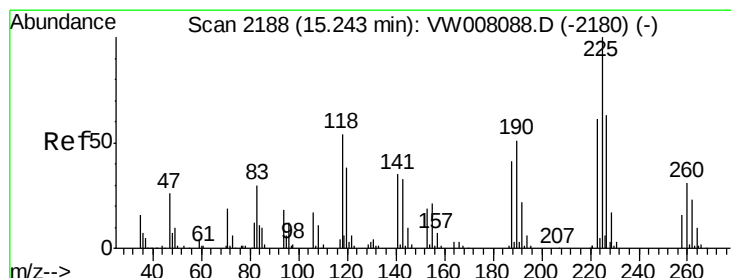
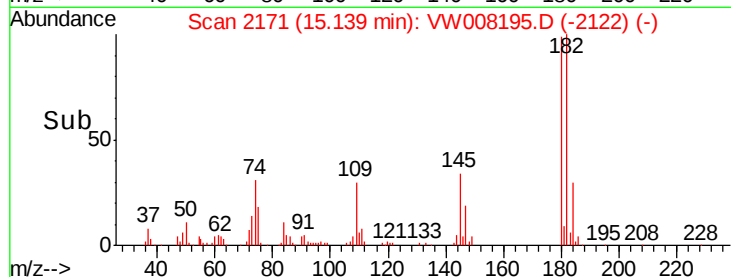
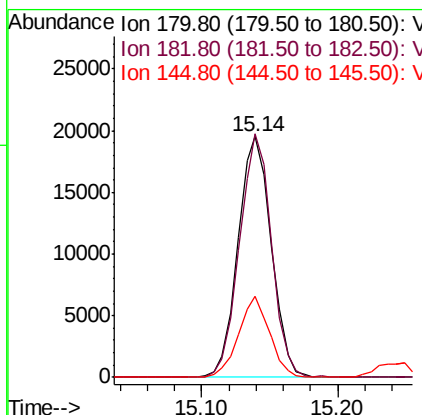
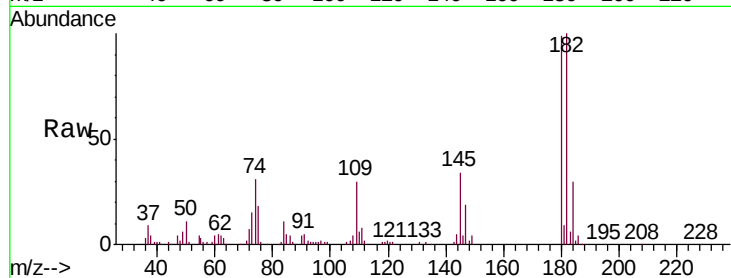




#93
 1,2,4-Trichlorobenzene
 Concen: 20.605 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

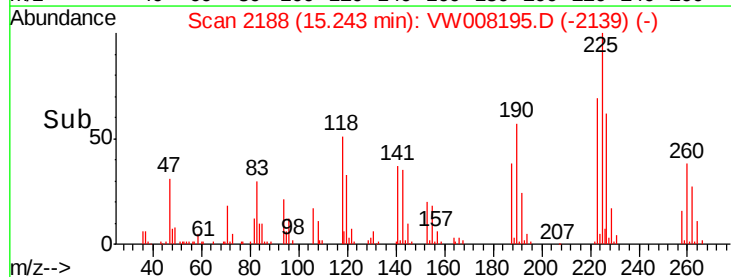
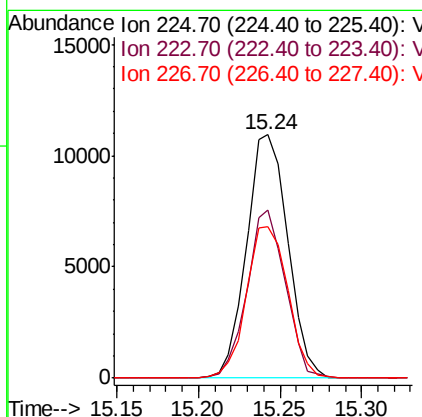
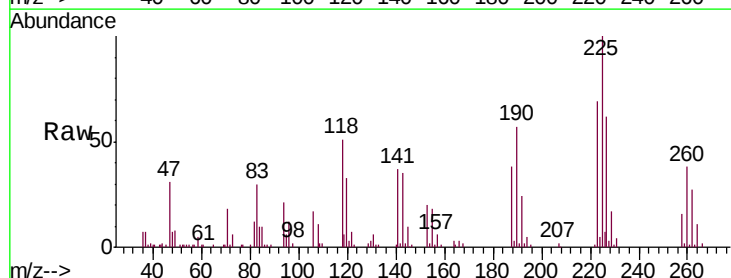
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD01

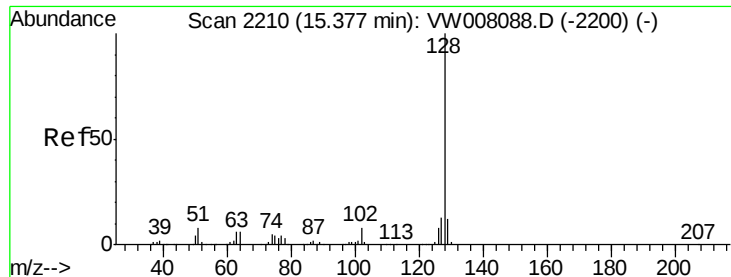
Tgt Ion:180 Resp: 33203
 Ion Ratio Lower Upper
 180 100
 182 97.3 48.6 145.9
 145 31.5 16.6 49.7



#94
 Hexachlorobutadiene
 Concen: 22.366 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008195.D
 Acq: 11 Jan 2019 15:47

Tgt Ion:225 Resp: 19291
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.4 94.3
 227 62.5 32.0 96.2

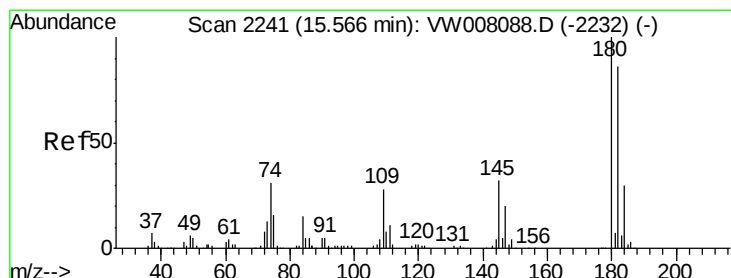
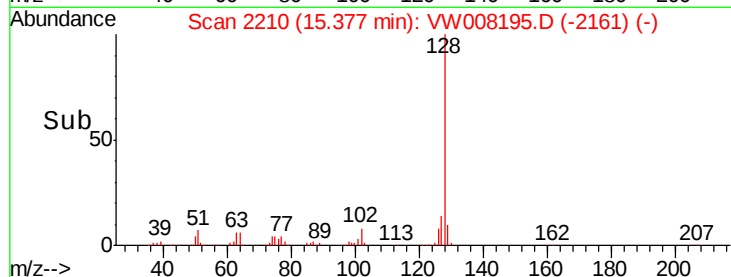
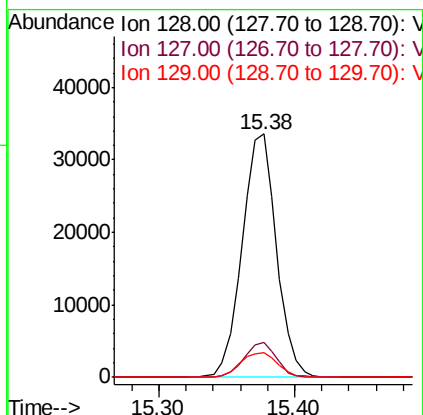
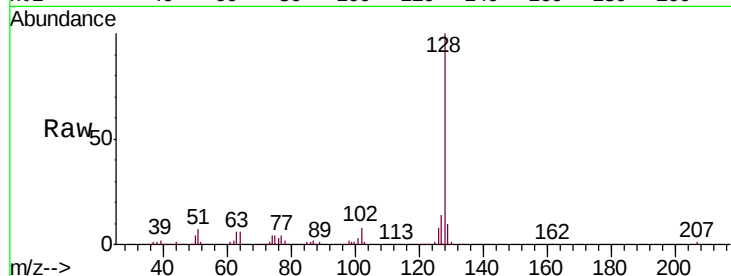




#95
Naphthalene
Concen: 19.663 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD01

Tgt Ion:128 Resp: 59164
Ion Ratio Lower Upper
128 100
127 13.7 11.0 16.4
129 11.0 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 20.738 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008195.D
Acq: 11 Jan 2019 15:47

Tgt Ion:180 Resp: 28488
Ion Ratio Lower Upper
180 100
182 95.8 46.5 139.3
145 34.8 17.4 52.2

