

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011884.D
 Acq On : 13 Aug 2019 06:45
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 10:09:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	181135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	320013	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	146092	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	140396	67.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.00%	
35) Dibromofluoromethane	7.88	113	105331	58.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.34%	
50) Toluene-d8	10.32	98	407884	55.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.98%	
62) 4-Bromofluorobenzene	12.62	95	152745	58.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	41757	41.364	ug/l	96
3) Chloromethane	2.21	50	80043	45.726	ug/l	99
4) Vinyl Chloride	2.36	62	89576	42.505	ug/l	100
5) Bromomethane	2.75	94	49370	42.323	ug/l	99
6) Chloroethane	2.90	64	55307	45.943	ug/l	94
7) Trichlorofluoromethane	3.25	101	44017	46.735	ug/l	99
8) Diethyl Ether	3.67	74	67271	62.995	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	83714	46.855	ug/l	100
10) Methyl Iodide	4.27	142	135541	53.682	ug/l	99
11) Tert butyl alcohol	5.17	59	49249	326.283	ug/l	99
12) 1,1-Dichloroethene	4.04	96	87472	46.369	ug/l	99
13) Acrolein	3.89	56	31877	213.593	ug/l	95
14) Allyl chloride	4.66	41	215905	53.811	ug/l	99
15) Acrylonitrile	5.36	53	187800	352.296	ug/l	98
16) Acetone	4.12	43	157944	238.722	ug/l	97
17) Carbon Disulfide	4.37	76	258614	43.801	ug/l	98
18) Methyl Acetate	4.66	43	124217	83.573	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	199429	66.619	ug/l	96
20) Methylene Chloride	4.92	84	122464	53.670	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	107212	52.715	ug/l	96
22) Diisopropyl ether	6.31	45	472585	62.473	ug/l	99
23) Vinyl Acetate	6.25	43	1467333	308.700	ug/l	100
24) 1,1-Dichloroethane	6.21	63	231937	57.249	ug/l	100
25) 2-Butanone	7.17	43	270086	311.967	ug/l	99
26) 2,2-Dichloropropane	7.17	77	102692	41.216	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	127076	56.772	ug/l	98
28) Bromochloromethane	7.51	49	121427	67.525	ug/l	99
29) Tetrahydrofuran	7.52	42	178607	360.916	ug/l	99
30) Chloroform	7.67	83	218897	58.565	ug/l	100
31) Cyclohexane	7.95	56	169983	43.709	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	153286	53.851	ug/l	99
36) 1,1-Dichloropropene	8.08	75	155347	46.685	ug/l	99
37) Ethyl Acetate	7.25	43	120681	63.038	ug/l	99
38) Carbon Tetrachloride	8.07	117	134229	47.121	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	159852	43.627	ug/l	97
40) Benzene	8.32	78	481100	51.616	ug/l	99
41) Methacrylonitrile	7.48	41	75305	65.804	ug/l	94
42) 1,2-Dichloroethane	8.40	62	173607	59.492	ug/l	99
43) Isopropyl Acetate	8.42	43	224236	63.689	ug/l	98
44) Trichloroethene	9.09	130	112527	50.231	ug/l	99
45) 1,2-Dichloropropane	9.37	63	138477	55.526	ug/l	97
46) Dibromomethane	9.46	93	67827	59.588	ug/l	98
47) Bromodichloromethane	9.65	83	171065	57.293	ug/l	100
48) Methyl methacrylate	9.43	41	111094	65.687	ug/l	98
49) 1,4-Dioxane	9.45	88	21595	1310.273	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	610628	333.434	ug/l	99
52) Toluene	10.38	92	294956	52.402	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	177104	56.782	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	202995	54.738	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	96902	60.000	ug/l	99
56) Ethyl methacrylate	10.65	69	150808	63.813	ug/l	99
57) 1,3-Dichloropropane	10.93	76	182226	59.639	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	386585	360.274	ug/l	99
59) 2-Hexanone	10.97	43	416445	322.067	ug/l	100
60) Dibromochloromethane	11.13	129	106738	59.540	ug/l	99
61) 1,2-Dibromoethane	11.23	107	91981	60.183	ug/l	100
64) Tetrachloroethene	10.86	164	99908	52.122	ug/l	97
65) Chlorobenzene	11.66	112	302331	51.081	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	111413	54.041	ug/l	99
67) Ethyl Benzene	11.73	91	562321	49.885	ug/l	100
68) m/p-Xylenes	11.83	106	408621	99.677	ug/l	99
69) o-Xylene	12.16	106	198190	52.026	ug/l	99
70) Styrene	12.18	104	350446	53.206	ug/l	100
71) Bromoform	12.35	173	62748	59.695	ug/l #	99
73) Isopropylbenzene	12.46	105	518442	47.569	ug/l	100
74) N-amyl acetate	12.27	43	198255	58.103	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	120574	58.815	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	156384	101.166	ug/l #	100
77) Bromobenzene	12.75	156	124806	51.809	ug/l	97
78) n-propylbenzene	12.80	91	633343	47.749	ug/l	100
79) 2-Chlorotoluene	12.89	91	378048	49.474	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	454303	49.727	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	36862	54.957	ug/l	98
82) 4-Chlorotoluene	12.99	91	397795	49.617	ug/l	100
83) tert-Butylbenzene	13.21	119	375774	49.186	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	462190	50.221	ug/l	99
85) sec-Butylbenzene	13.38	105	516253	47.358	ug/l	100
86) p-Isopropyltoluene	13.50	119	470195	47.539	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	236345	50.036	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	233285	49.649	ug/l	99
89) n-Butylbenzene	13.82	91	452946	45.889	ug/l	99
90) Hexachloroethane	14.09	117	87885	50.250	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	217128	51.973	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21444	61.341	ug/l	99

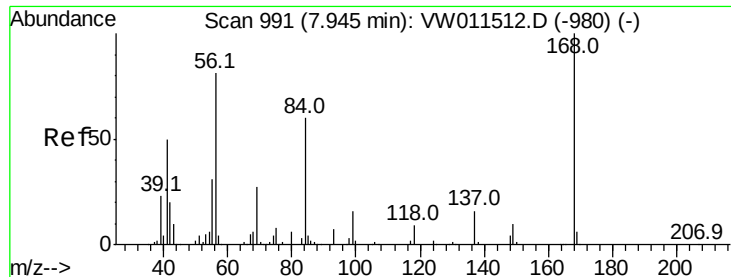
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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	148618	50.477	ug/l	100
94) Hexachlorobutadiene	15.24	225	83563	45.511	ug/l	97
95) Naphthalene	15.36	128	319696	55.207	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	140060	54.269	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

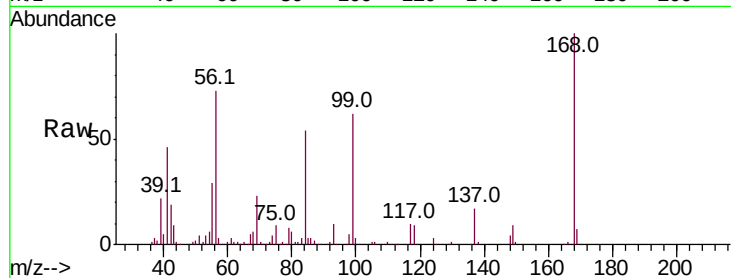
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 181135

Ion Ratio Lower Upper

168 100

99 61.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

100000

80000

60000

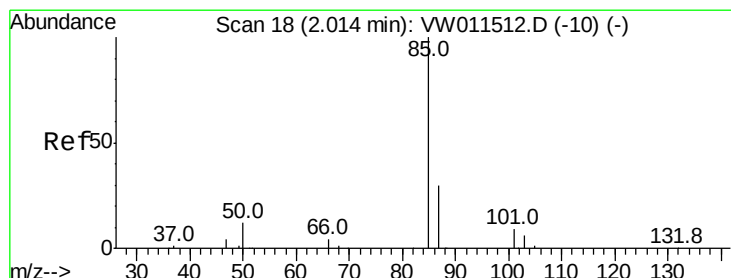
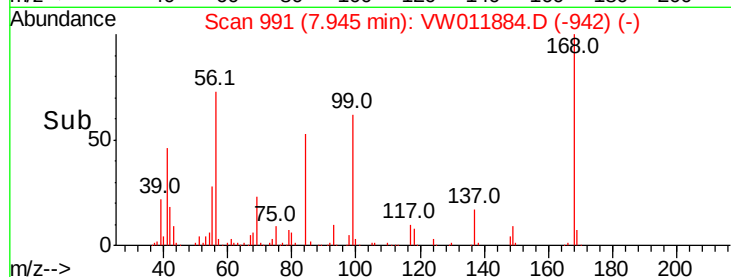
40000

20000

0

7.90 7.95 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 41.364 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011884.D

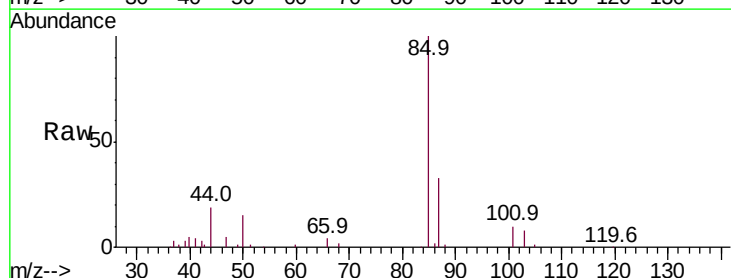
Acq: 13 Aug 2019 06:45

Tgt Ion: 85 Resp: 41757

Ion Ratio Lower Upper

85 100

87 32.7 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

15000

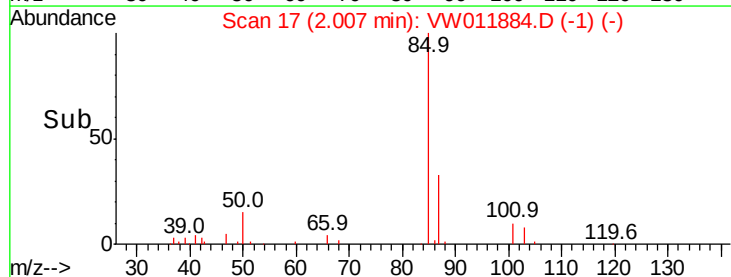
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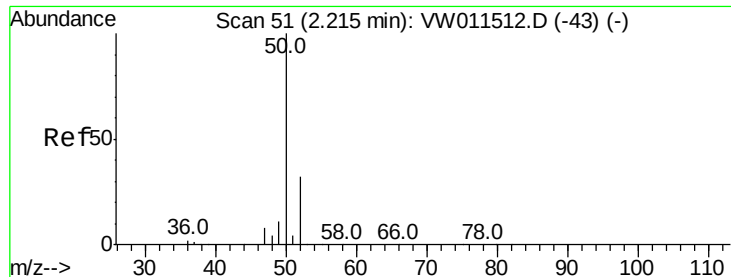
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 45.726 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

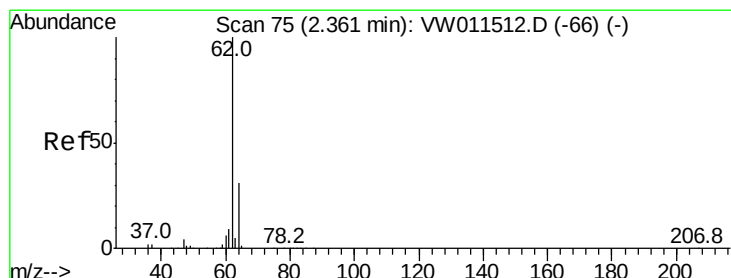
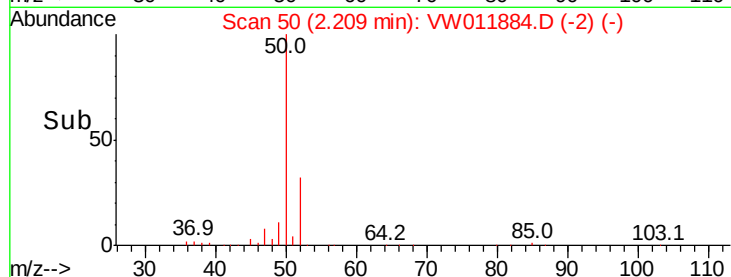
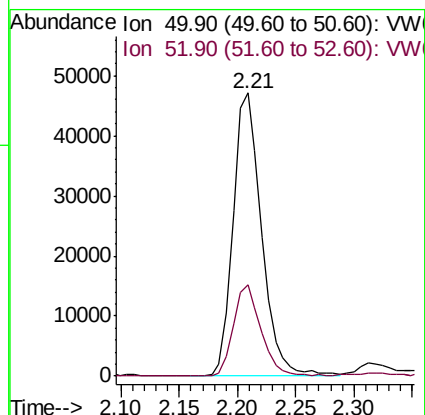
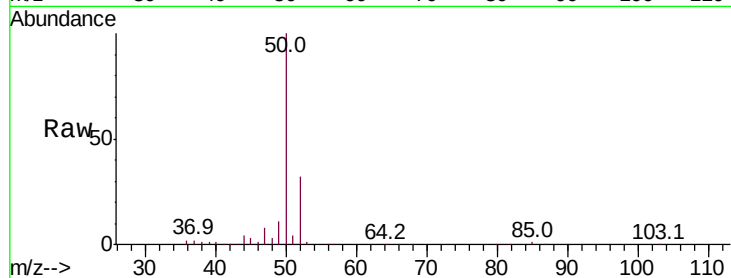
ClientSampleId :

Tot Ion: 50 Resp: 80043

Ion Ratio Lower Upper

50 100

52 32.2 25.4 38.2



#4

Vinyl Chloride

Concen: 42.505 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011884.D

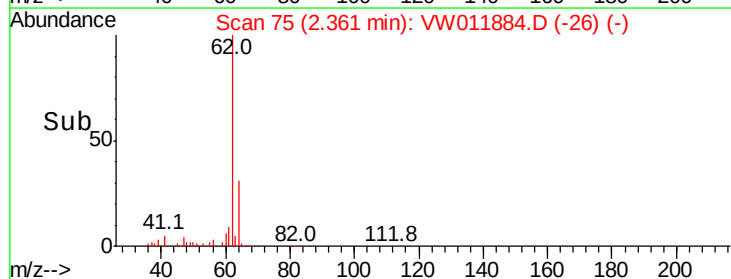
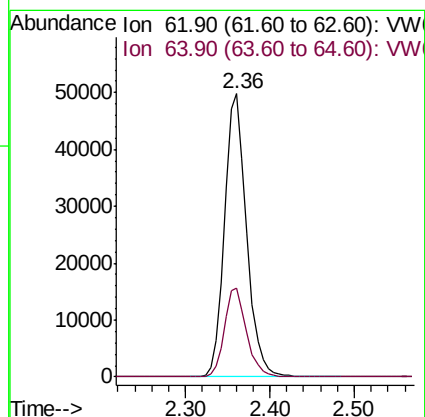
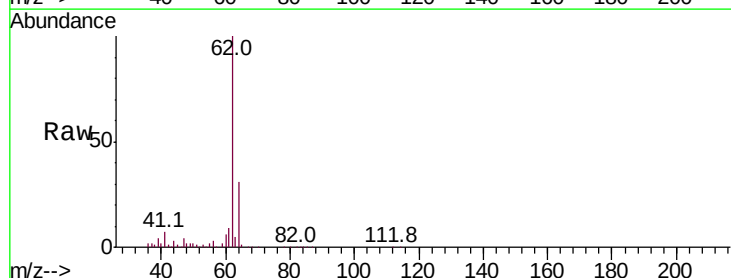
Acq: 13 Aug 2019 06:45

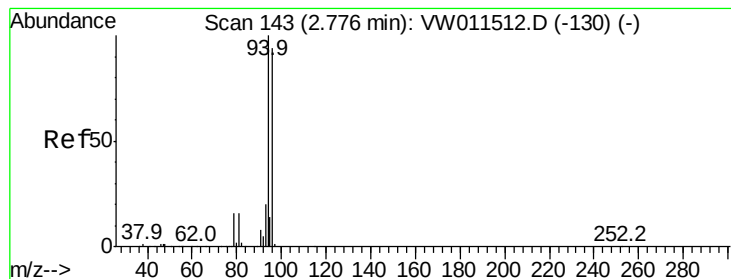
Tgt Ion: 62 Resp: 89576

Ion Ratio Lower Upper

62 100

64 31.1 25.0 37.4





#5

Bromomethane

Concen: 42.323 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.03 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

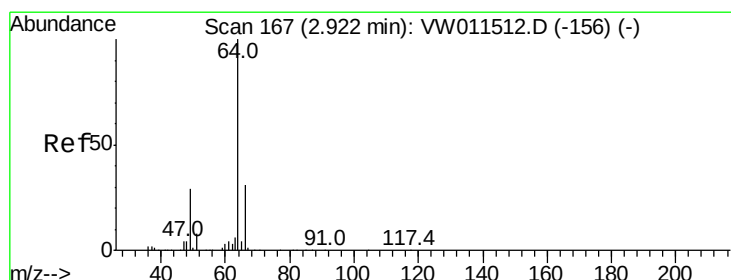
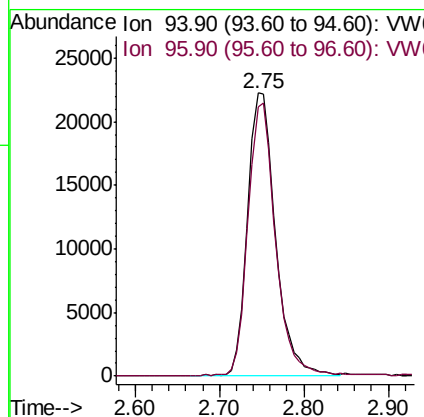
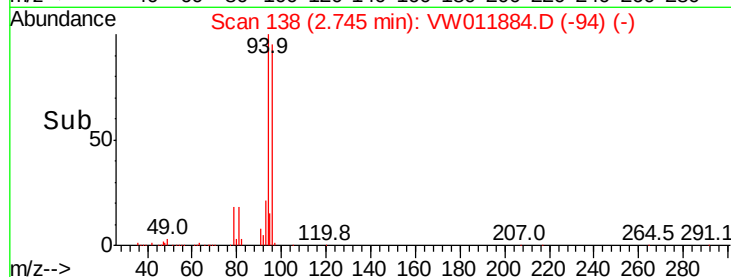
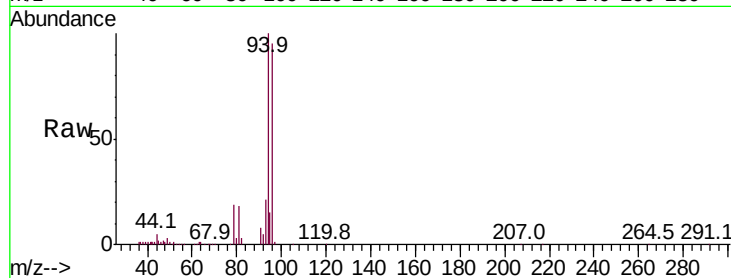
ClientSampleId :

Tot Ion: 94 Resp: 49370

Ion Ratio Lower Upper

94 100

96 94.9 75.0 112.6



#6

Chloroethane

Concen: 45.943 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.02 min

Lab File: VW011884.D

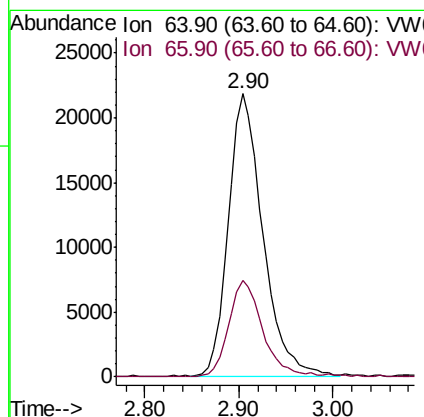
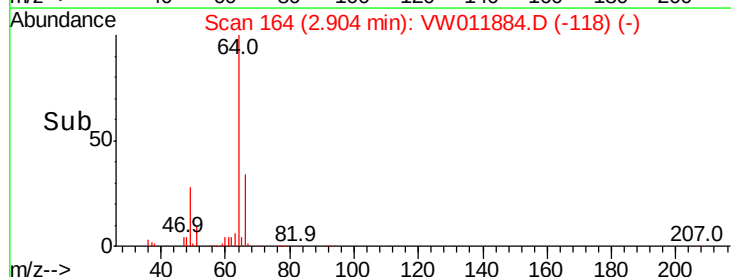
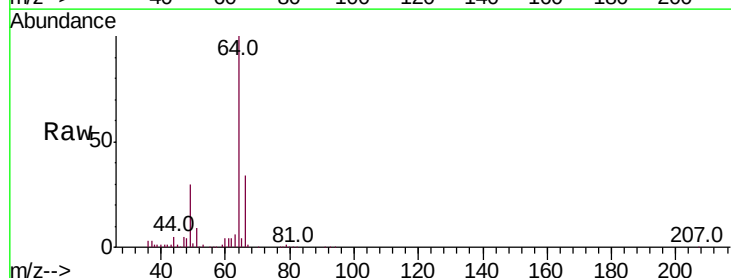
Acq: 13 Aug 2019 06:45

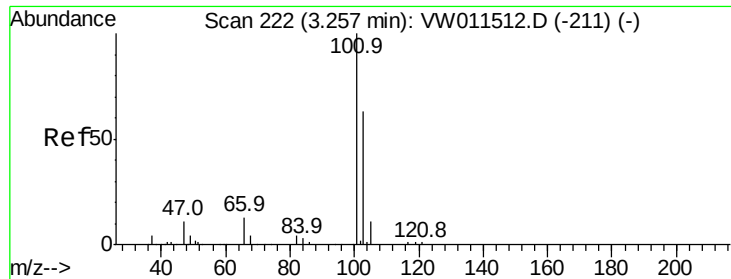
Tgt Ion: 64 Resp: 55307

Ion Ratio Lower Upper

64 100

66 34.2 24.6 36.8



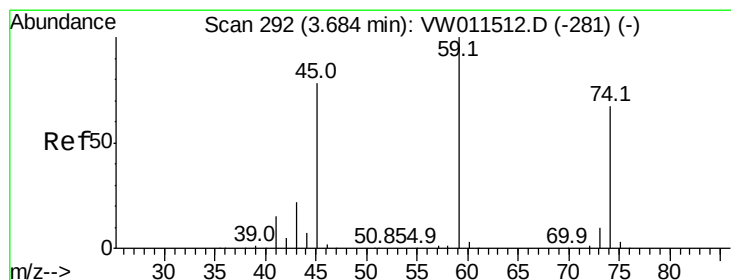
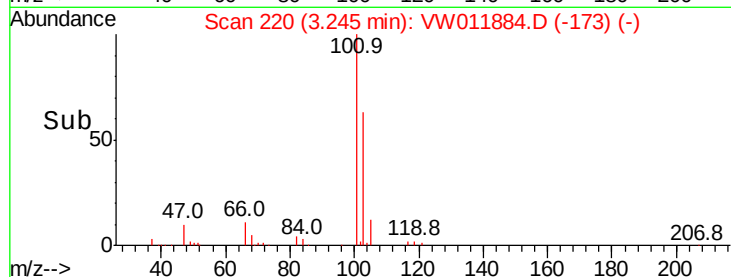
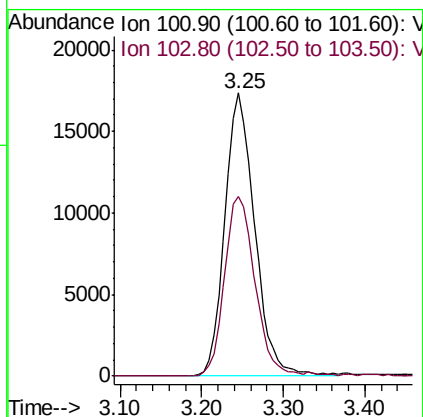
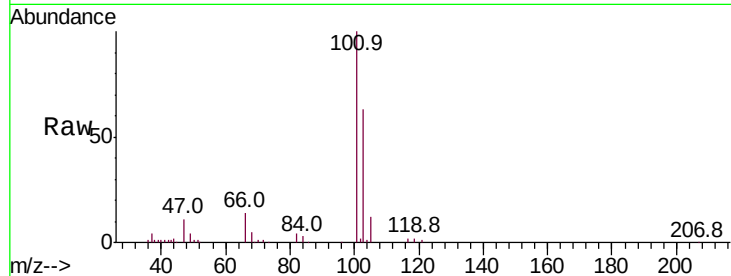


#7

Trichlorofluoromethane
 Concen: 46.735 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Instrument :
 MSVOA_W
 ClientSampleId :

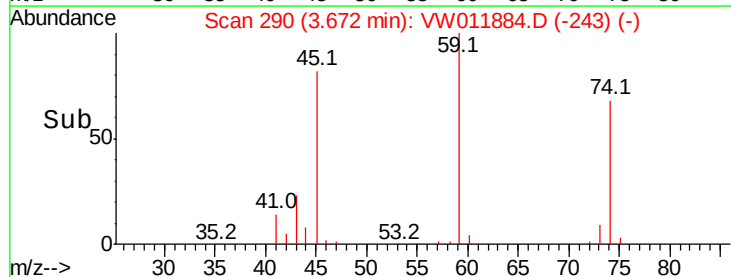
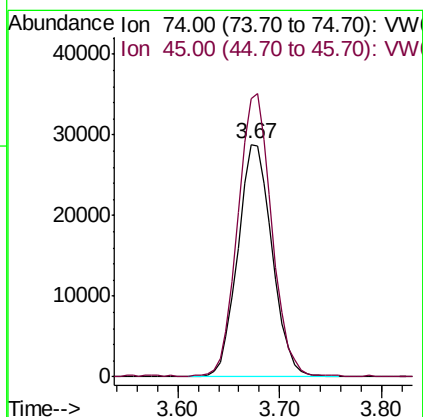
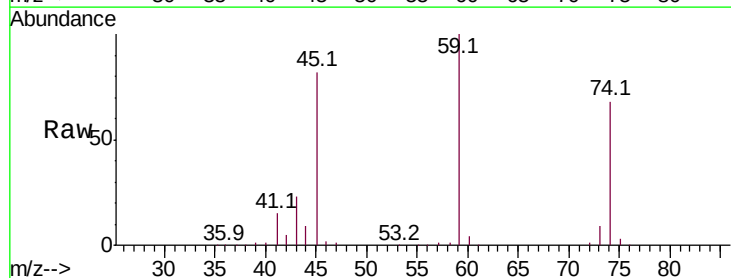
Tot Ion:101 Resp: 44017
 Ion Ratio Lower Upper
 101 100
 103 63.3 50.2 75.4

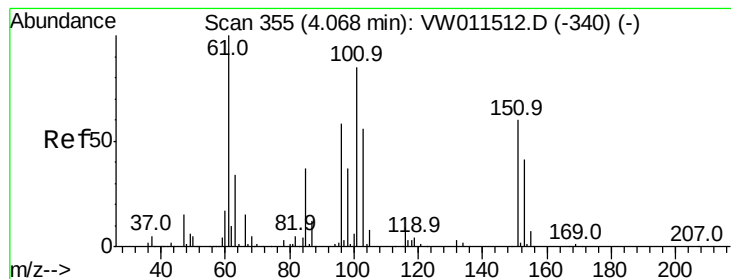


#8

Diethyl Ether
 Concen: 62.995 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion: 74 Resp: 67271
 Ion Ratio Lower Upper
 74 100
 45 120.2 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.855 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

ClientSampleId :

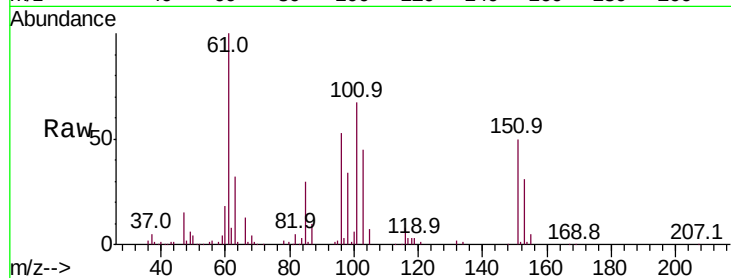
Tot Ion:101 Resp: 83714

Ion Ratio Lower Upper

101 100

85 45.6 36.6 54.8

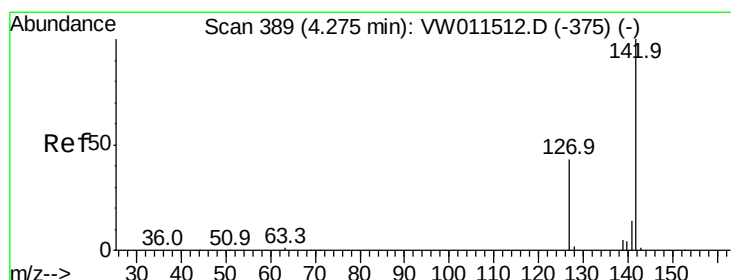
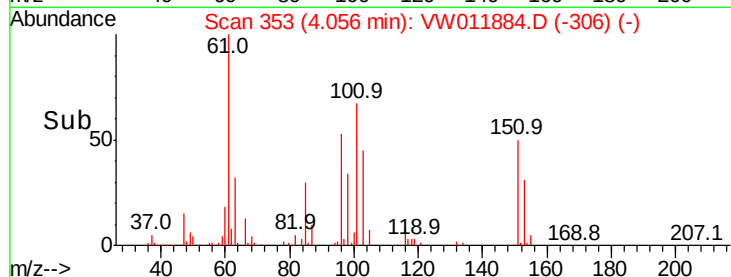
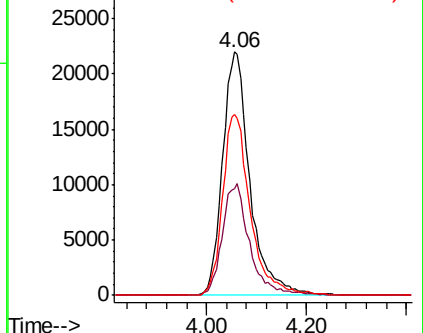
151 75.1 60.2 90.2



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: 53.682 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

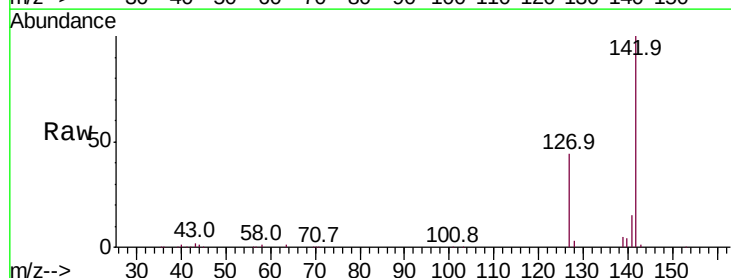
Tgt Ion:142 Resp: 135541

Ion Ratio Lower Upper

142 100

127 44.8 35.0 52.6

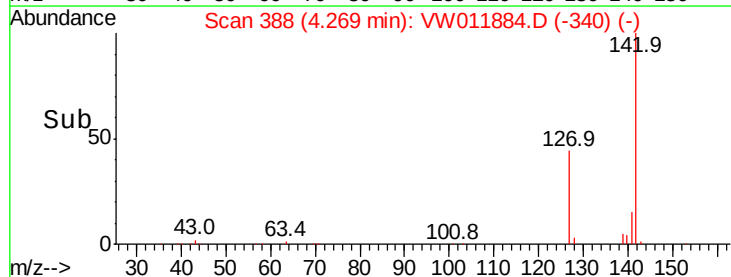
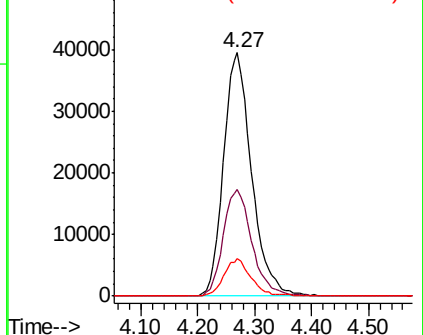
141 14.7 11.9 17.9

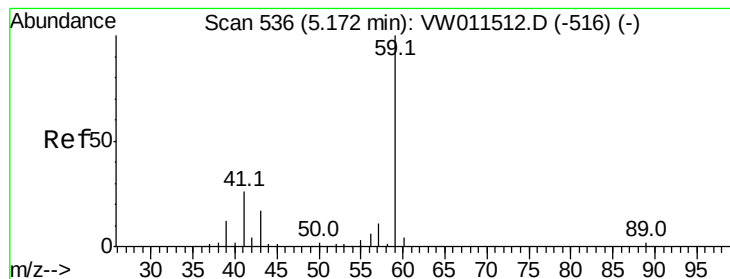


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



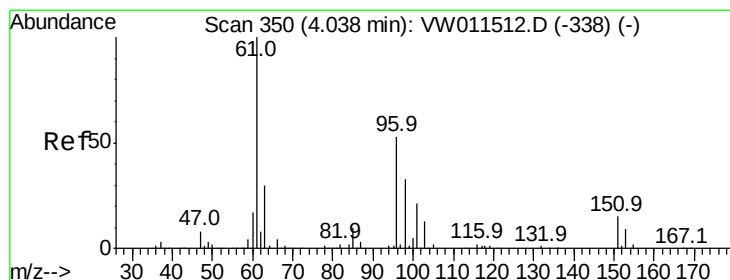
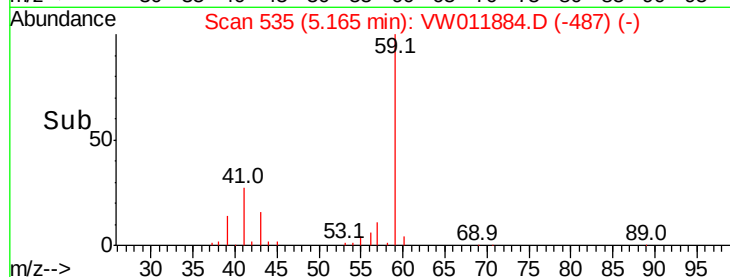
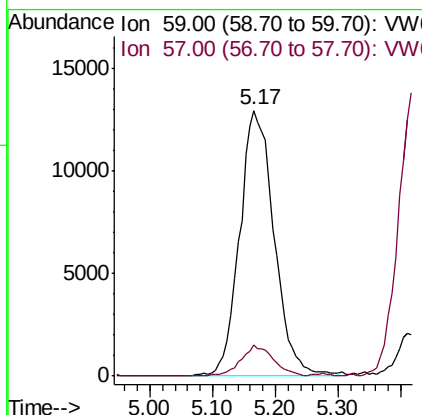
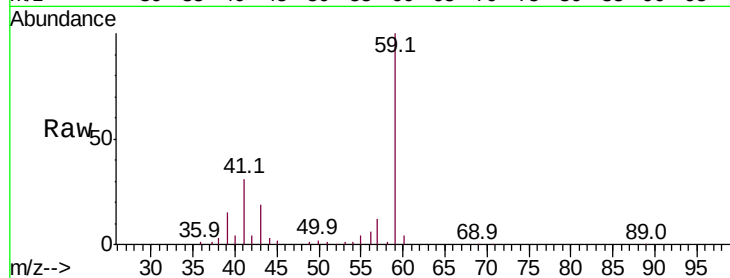


#11

Tert butyl alcohol
 Concen: 326.283 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Instrument :
 MSVOA_W
 ClientSampleId :

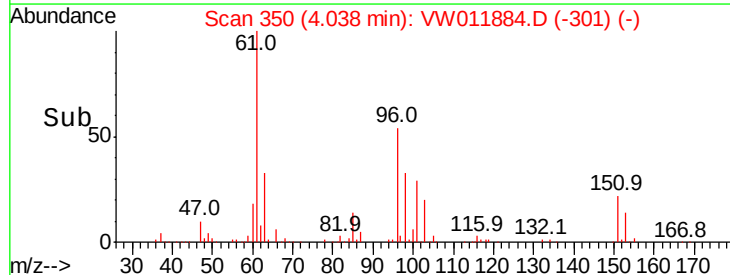
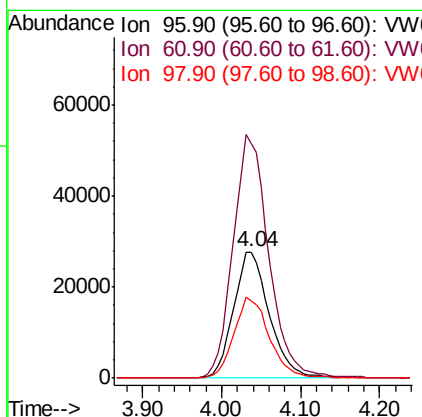
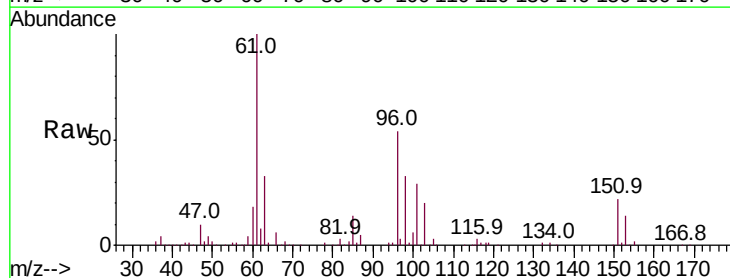
Tot Ion: 59 Resp: 49249
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.5 12.7

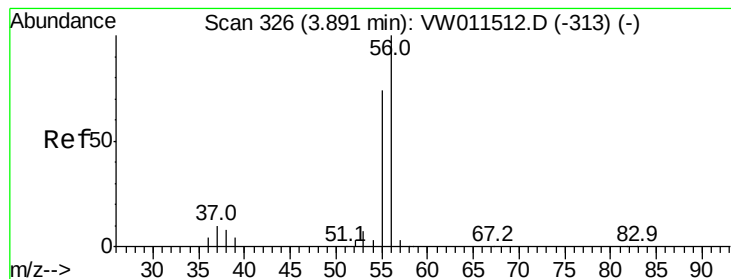


#12

1,1-Dichloroethene
 Concen: 46.369 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion: 96 Resp: 87472
 Ion Ratio Lower Upper
 96 100
 61 185.6 149.9 224.9
 98 61.6 49.1 73.7





#13

Acrolein

Concen: 213.593 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

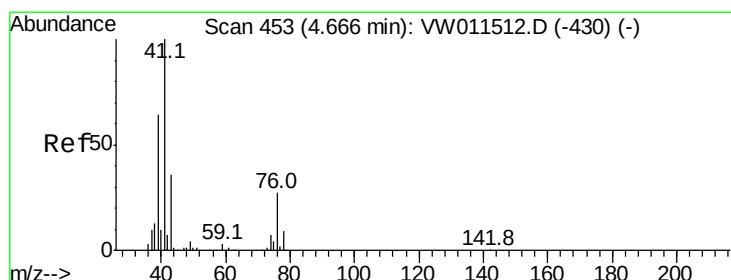
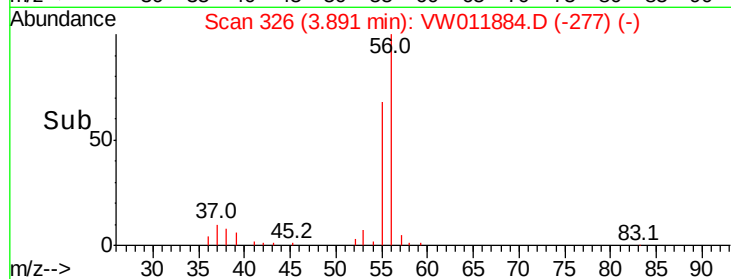
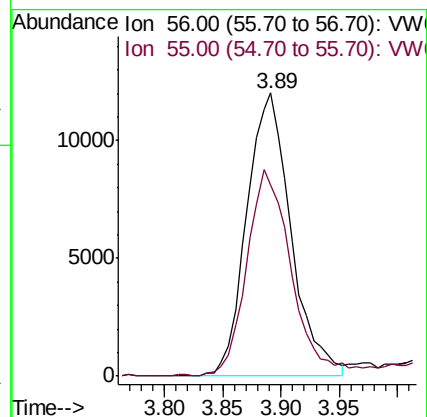
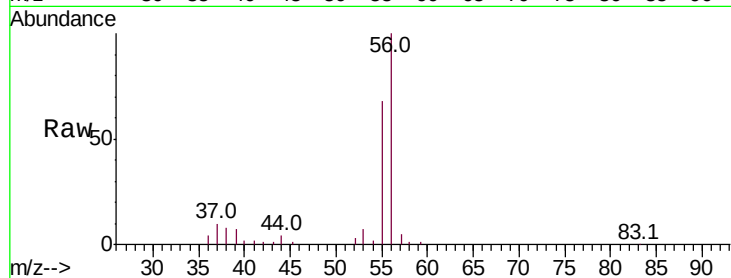
ClientSampleId :

Tot Ion: 56 Resp: 31877

Ion Ratio Lower Upper

56 100

55 74.1 56.0 84.0



#14

Allyl chloride

Concen: 53.811 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

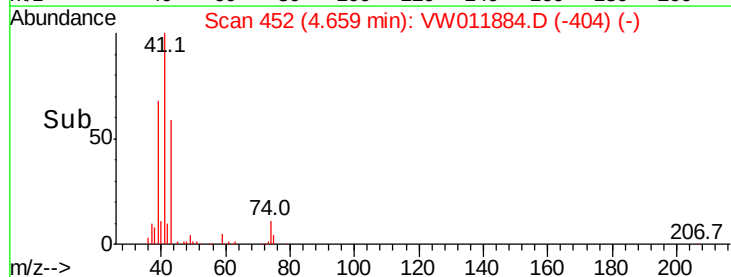
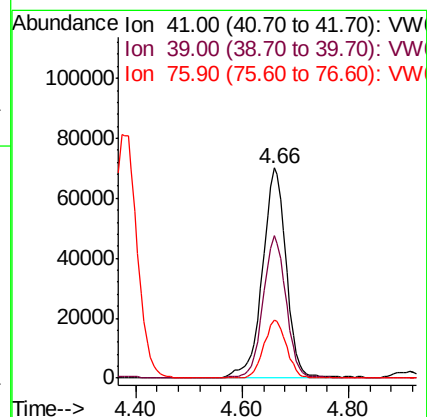
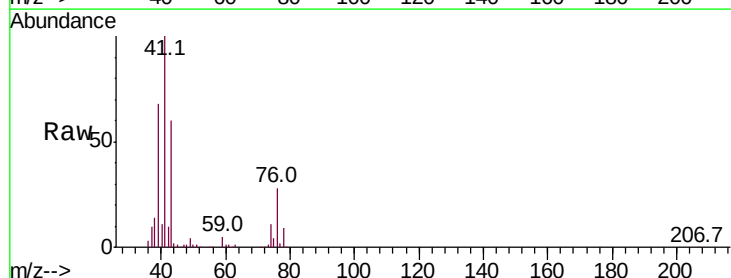
Tgt Ion: 41 Resp: 215905

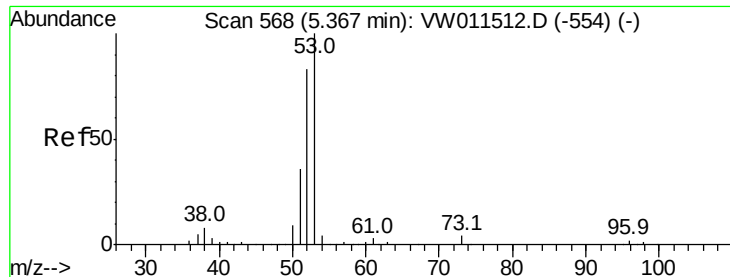
Ion Ratio Lower Upper

41 100

39 65.7 52.6 78.8

76 26.5 22.0 33.0





#15

Acrylonitrile

Concen: 352.296 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

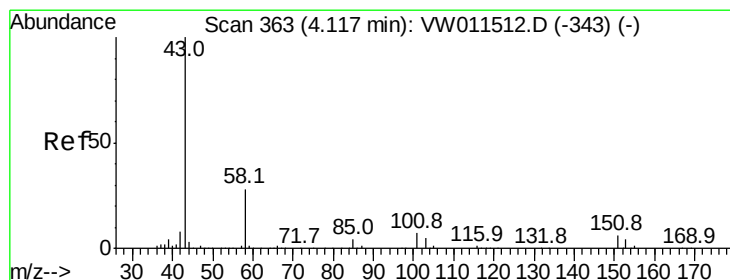
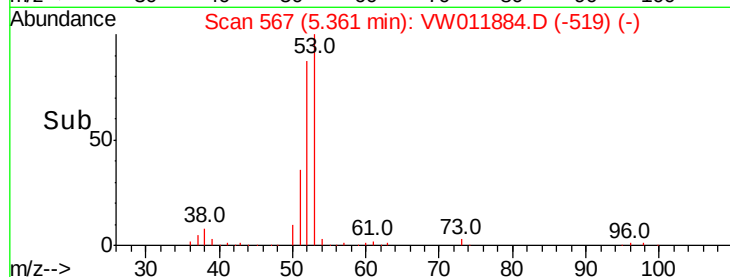
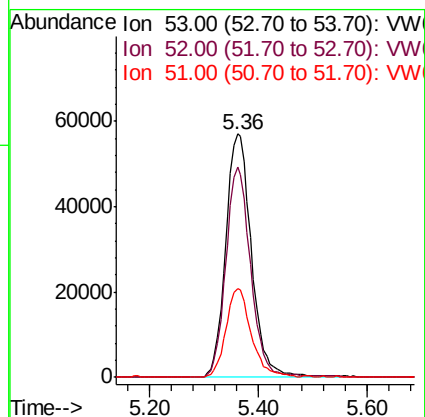
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 53 Resp: 187800

Ion	Ratio	Lower	Upper
53	100		
52	83.0	67.2	100.8
51	36.0	30.0	45.0



#16

Acetone

Concen: 238.722 ug/l

RT: 4.12 min Scan# 363

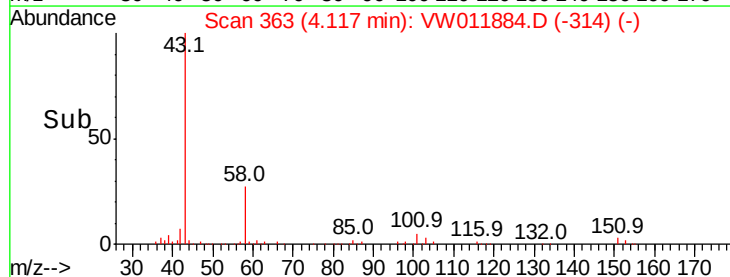
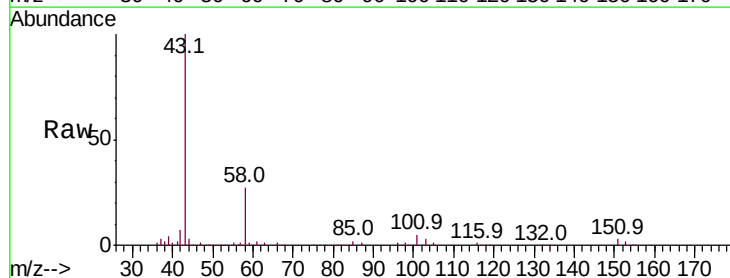
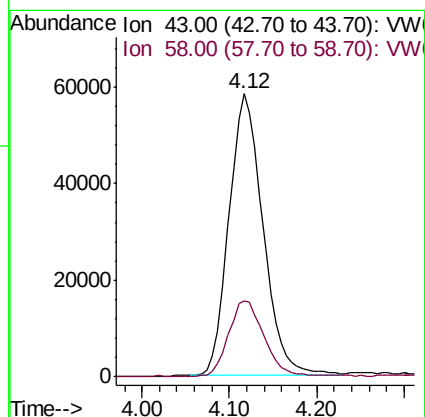
Delta R.T. -0.00 min

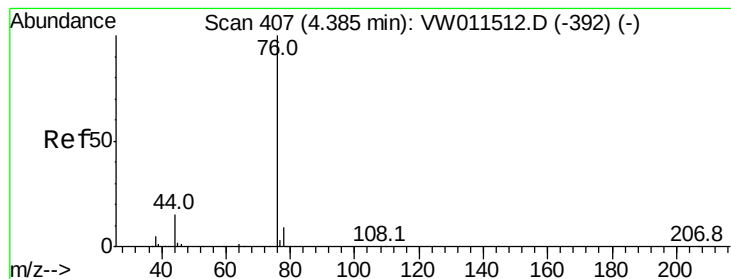
Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Tgt Ion: 43 Resp: 157944

Ion	Ratio	Lower	Upper
43	100		
58	26.6	22.3	33.5





#17

Carbon Disulfide

Concen: 43.801 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

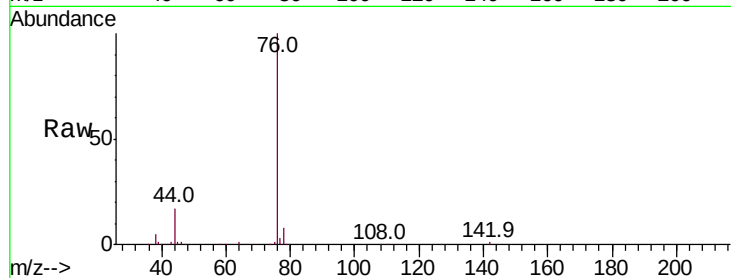
ClientSampled :

Tot Ion: 76 Resp: 258614

Ion Ratio Lower Upper

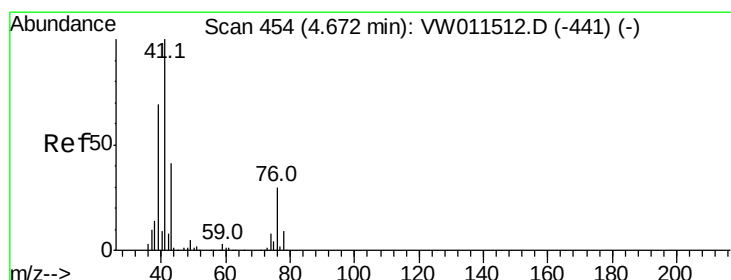
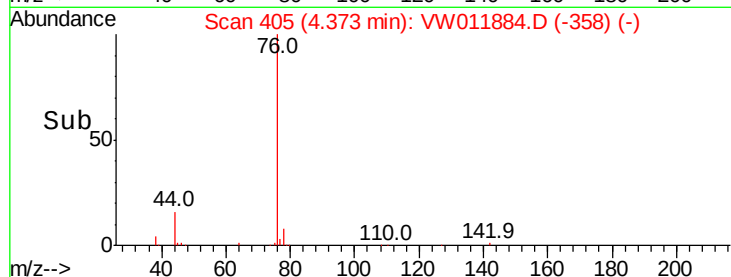
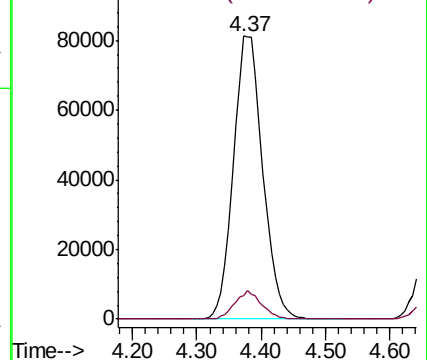
76 100

78 8.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 83.573 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011884.D

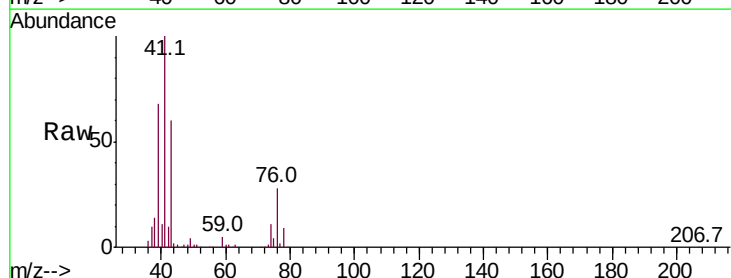
Acq: 13 Aug 2019 06:45

Tgt Ion: 43 Resp: 124217

Ion Ratio Lower Upper

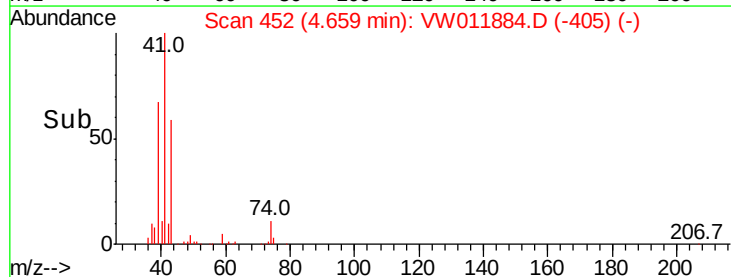
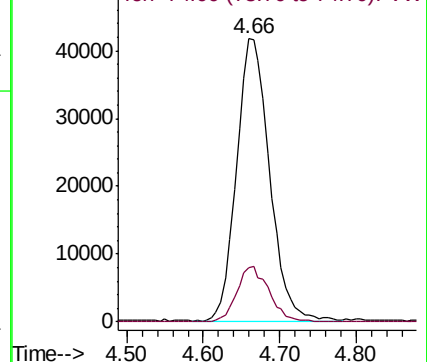
43 100

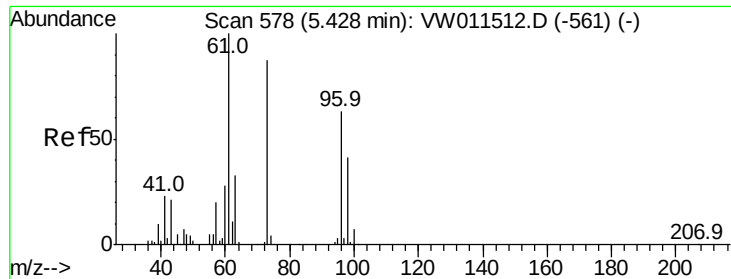
74 19.2 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



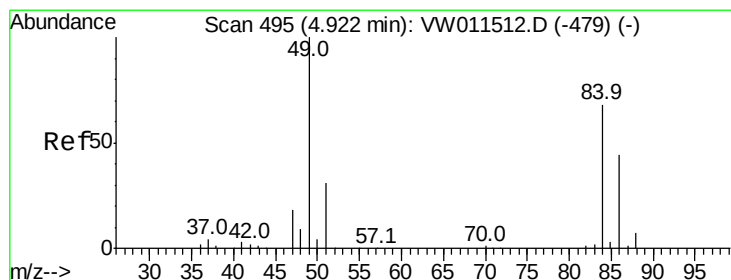
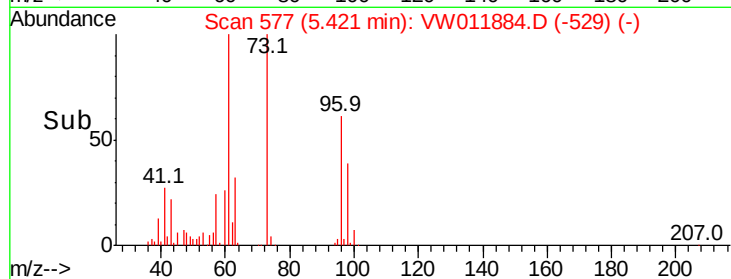
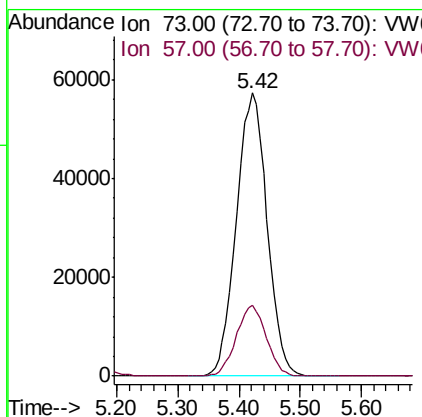
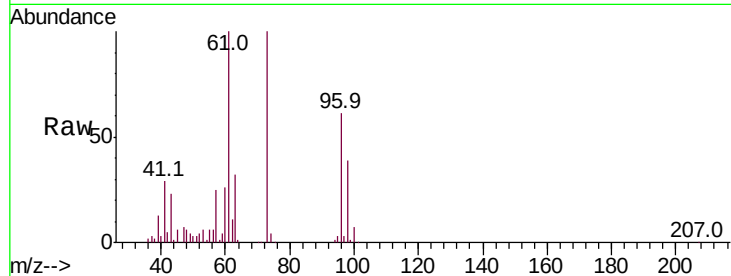


#19

Methyl tert-butyl Ether
 Concen: 66.619 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Instrument :
 MSVOA_W
 ClientSampled :

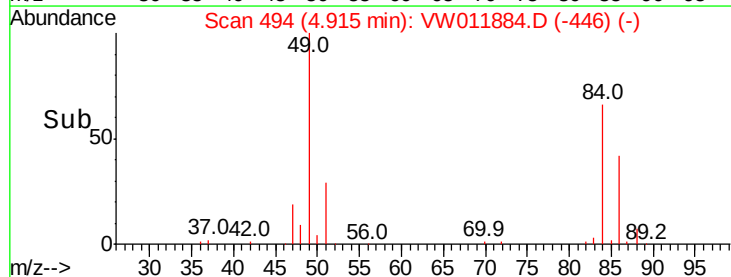
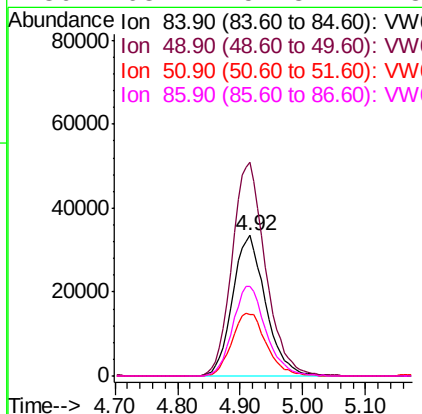
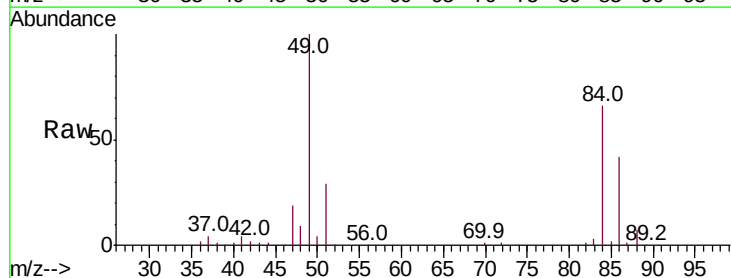
Tot Ion: 73 Resp: 199429
 Ion Ratio Lower Upper
 73 100
 57 25.1 18.4 27.6

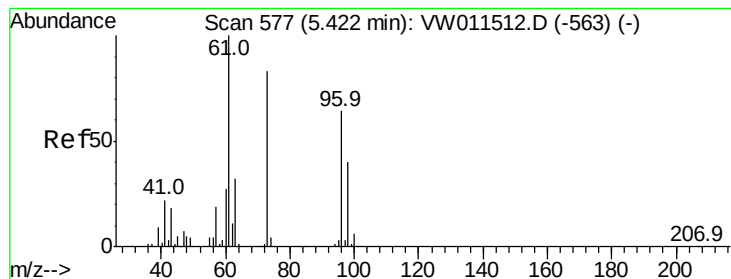


#20

Methylene Chloride
 Concen: 53.670 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion: 84 Resp: 122464
 Ion Ratio Lower Upper
 84 100
 49 152.2 117.8 176.6
 51 44.1 37.0 55.4
 86 63.7 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 52.715 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

ClientSampleId :

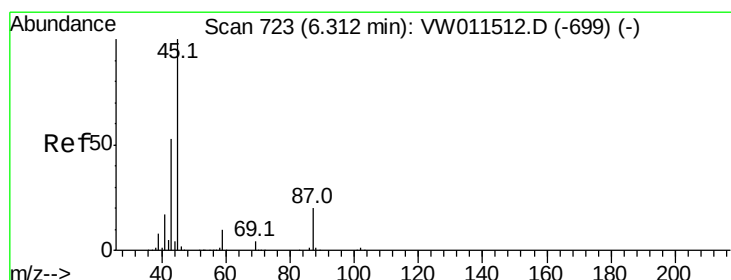
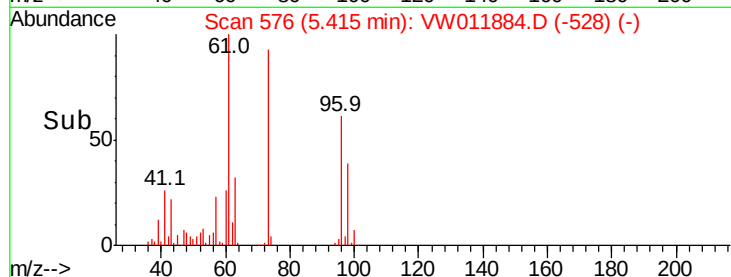
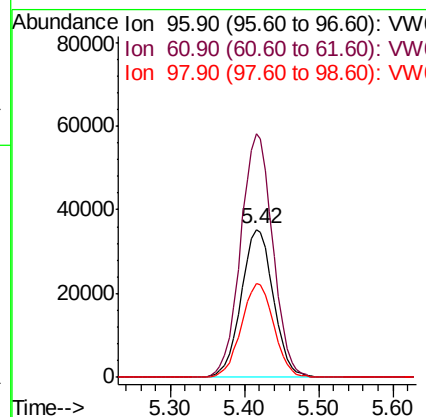
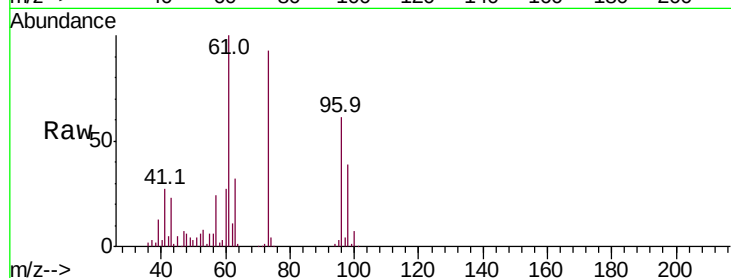
Tot Ion: 96 Resp: 107212

Ion Ratio Lower Upper

96 100

61 164.4 125.7 188.5

98 63.7 50.3 75.5



#22

Diisopropyl ether

Concen: 62.473 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Tgt Ion: 45 Resp: 472585

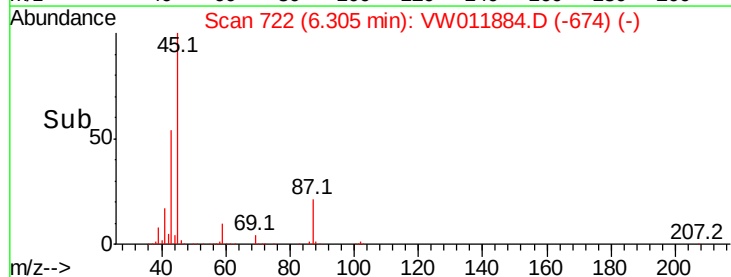
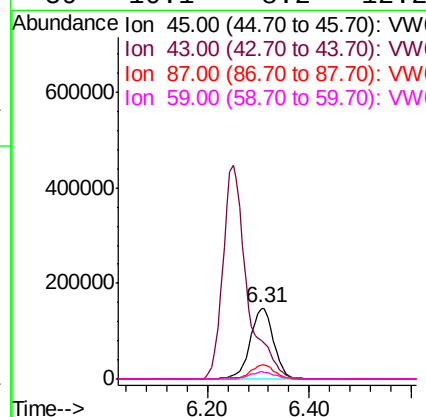
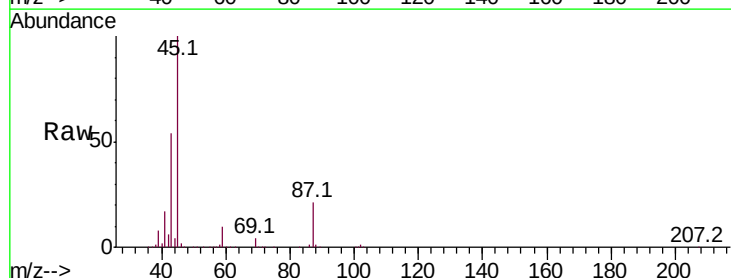
Ion Ratio Lower Upper

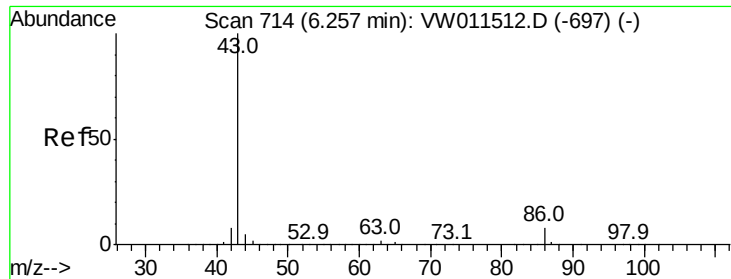
45 100

43 54.4 42.6 63.8

87 20.8 16.4 24.6

59 10.1 8.2 12.2





#23

Vinyl Acetate

Concen: 308.700 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

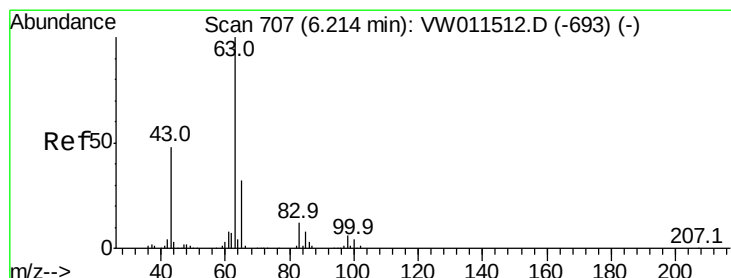
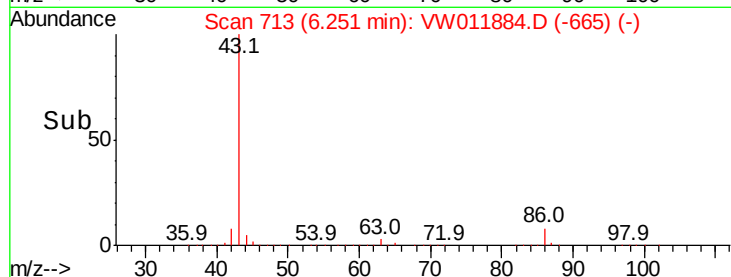
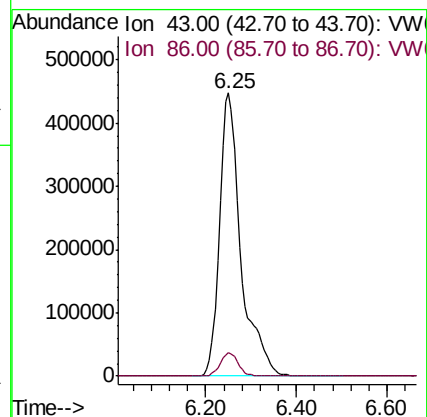
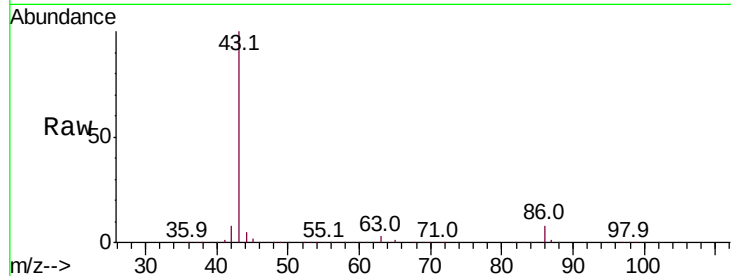
ClientSampleId :

Tot Ion: 43 Resp: 1467333

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



#24

1,1-Dichloroethane

Concen: 57.249 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

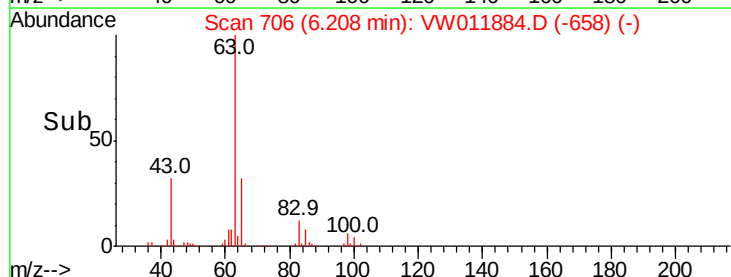
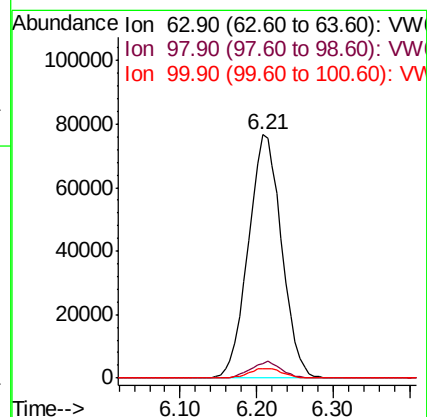
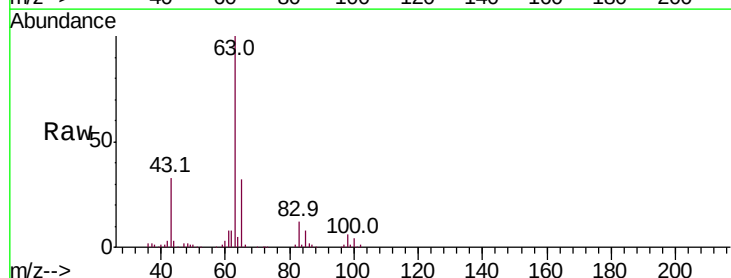
Tgt Ion: 63 Resp: 231937

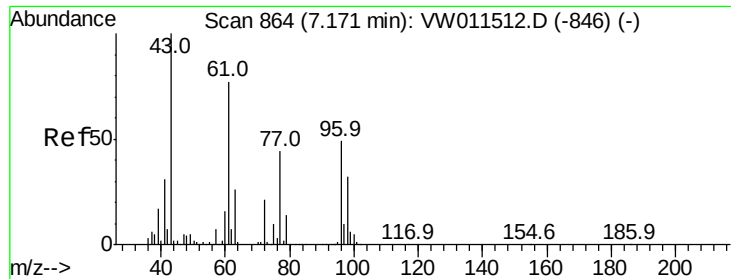
Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.8

100 4.0 2.1 6.3





#25

2-Butanone

Concen: 311.967 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

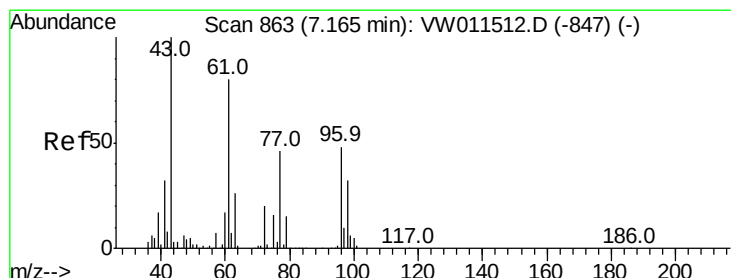
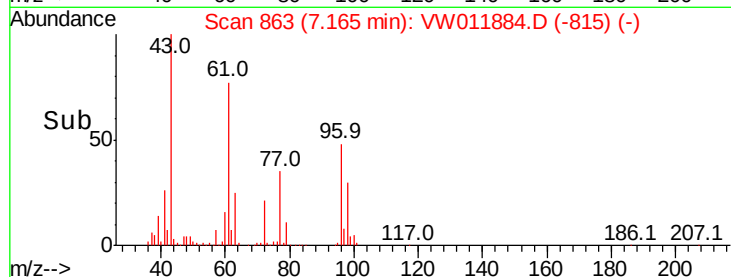
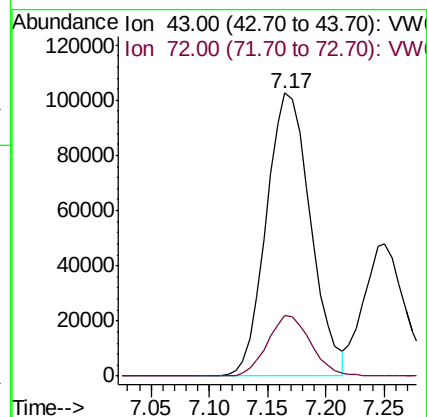
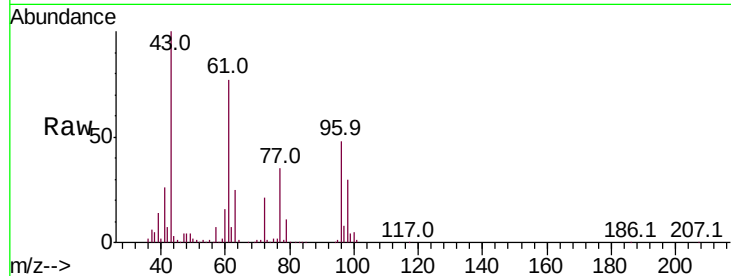
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 270086

Ion Ratio Lower Upper

43 100

72 21.3 16.6 24.8



#26

2,2-Dichloropropane

Concen: 41.216 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011884.D

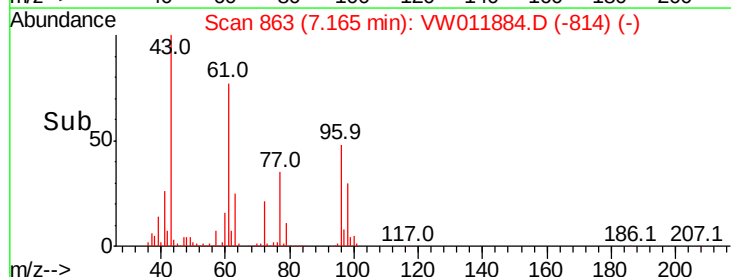
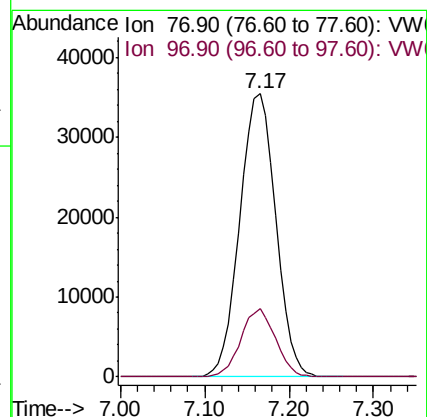
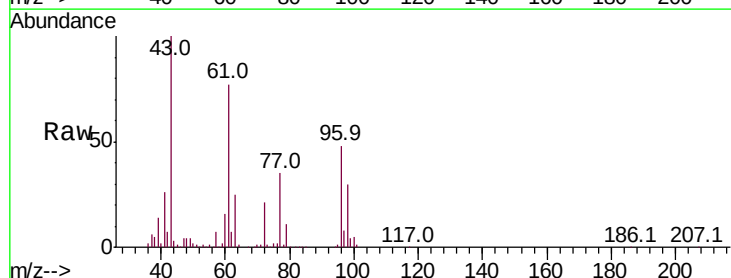
Acq: 13 Aug 2019 06:45

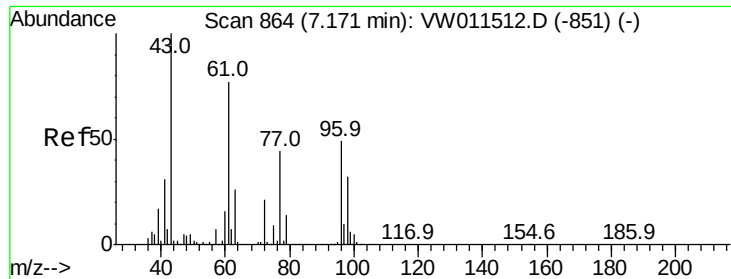
Tgt Ion: 77 Resp: 102692

Ion Ratio Lower Upper

77 100

97 23.2 10.8 32.4



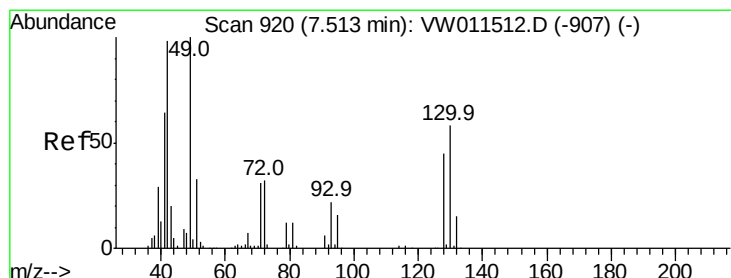
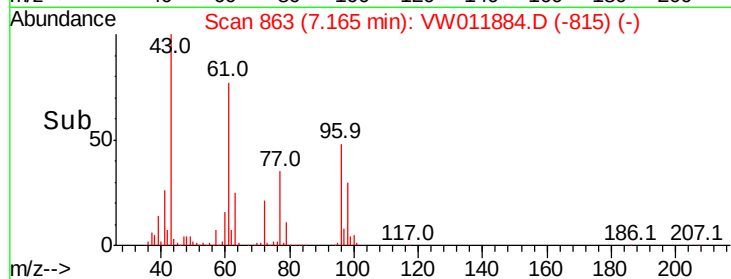
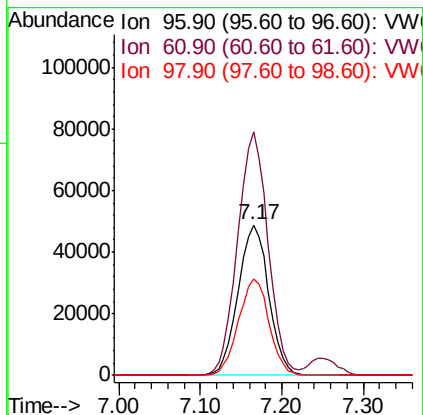
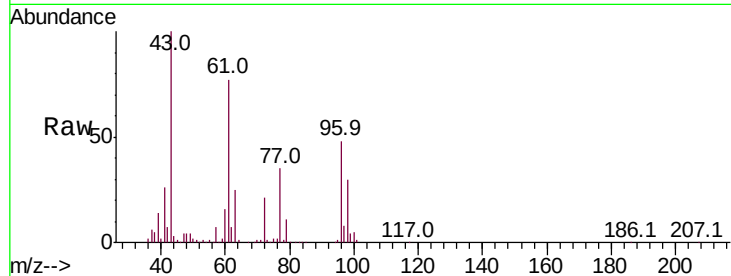


#27

cis-1,2-Dichloroethene
Concen: 56.772 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Instrument :
MSVOA_W
ClientSampled :

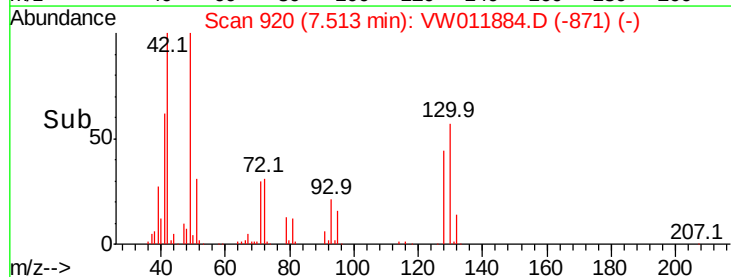
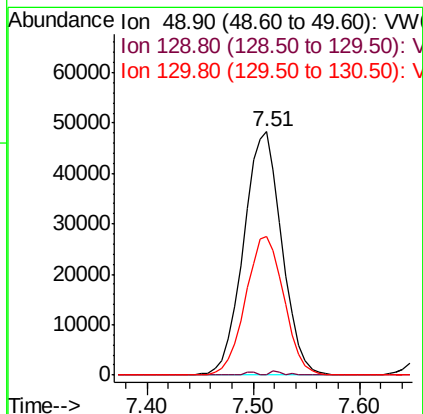
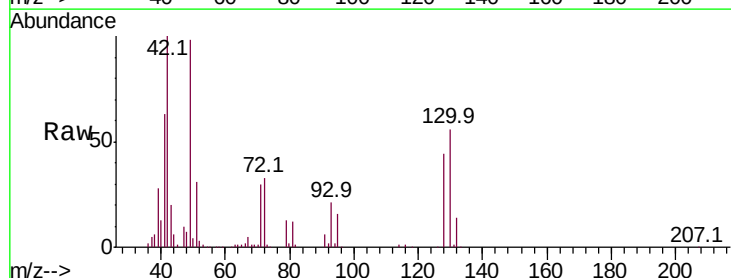
Tot Ion	96	Resp	127076
Ion Ratio	Lower	Upper	
96	100		
61	161.2	0.0	328.4
98	64.2	0.0	128.8

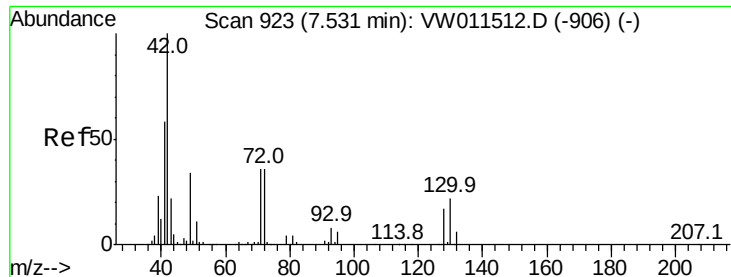


#28

Bromochloromethane
Concen: 67.525 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion	49	Resp	121427
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
49	100		
129	0.5	0.0	1.0
130	57.4	46.3	69.5

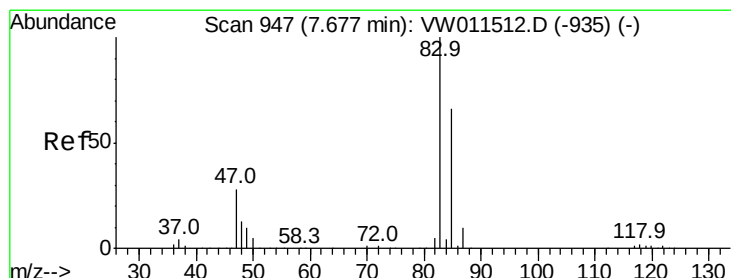
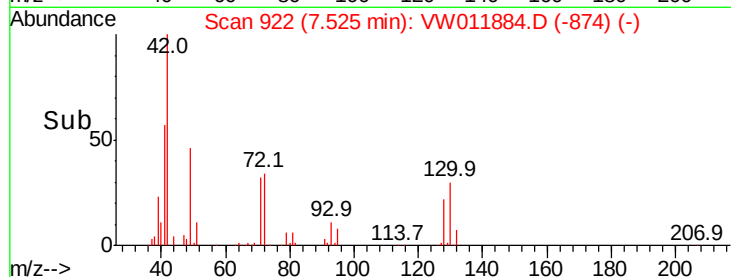
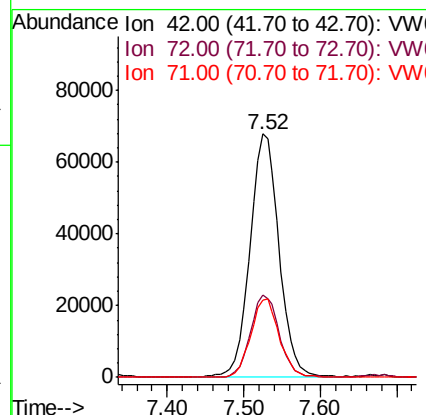
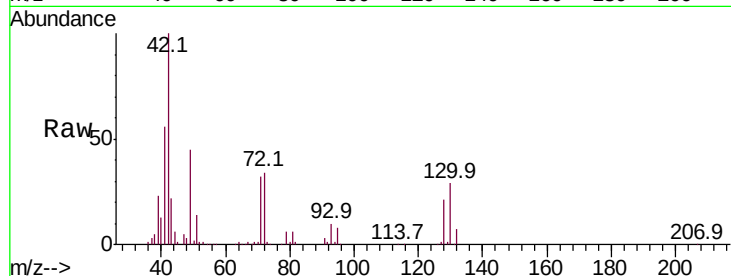




#29
Tetrahydrofuran
Concen: 360.916 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

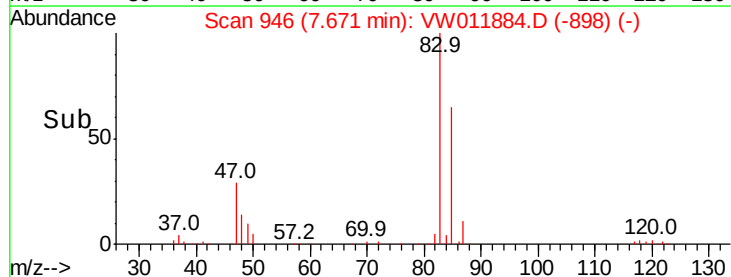
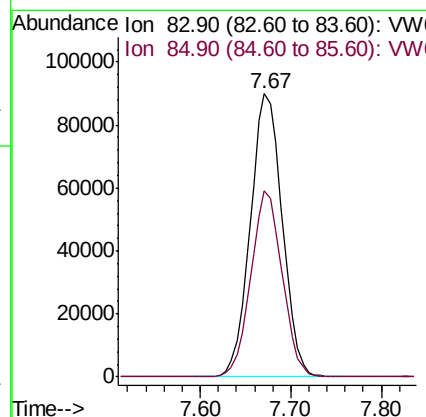
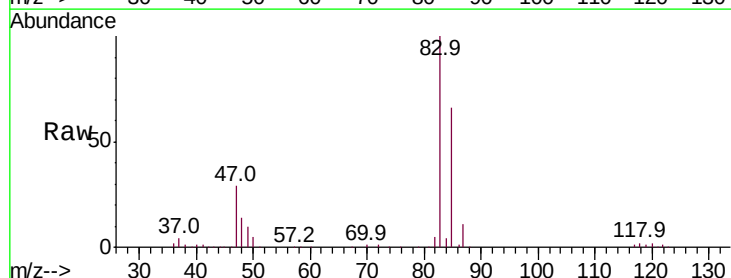
Instrument :
MSVOA_W
ClientSampleId :

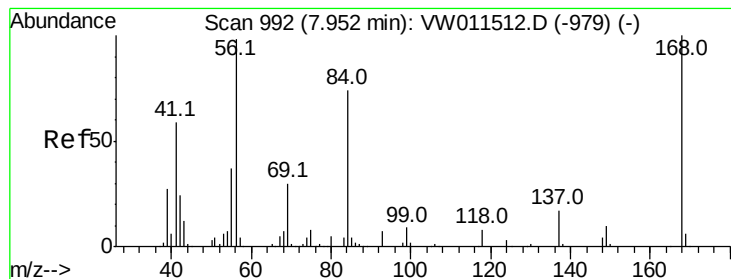
Tot Ion: 42 Resp: 178607
Ion Ratio Lower Upper
42 100
72 33.7 27.1 40.7
71 31.9 26.2 39.4



#30
Chloroform
Concen: 58.565 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion: 83 Resp: 218897
Ion Ratio Lower Upper
83 100
85 65.6 52.5 78.7





#31

Cyclohexane

Concen: 43.709 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :
MSVOA_W
ClientSampled :

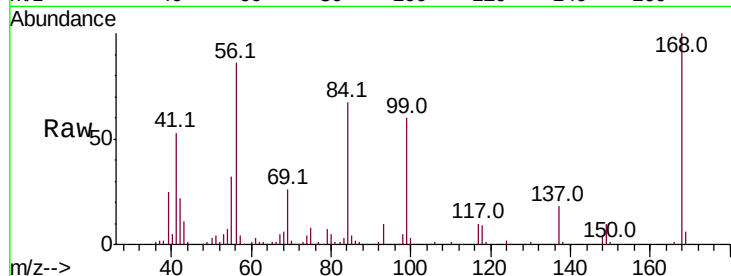
Tot Ion: 56 Resp: 169983

Ion Ratio Lower Upper

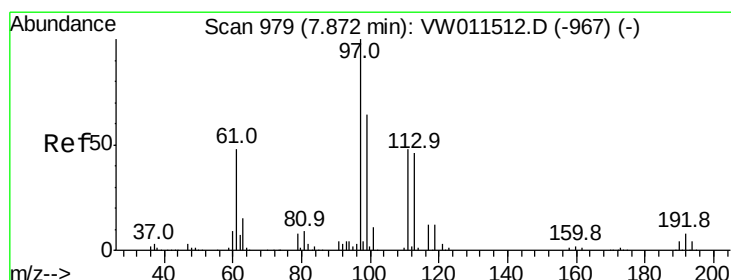
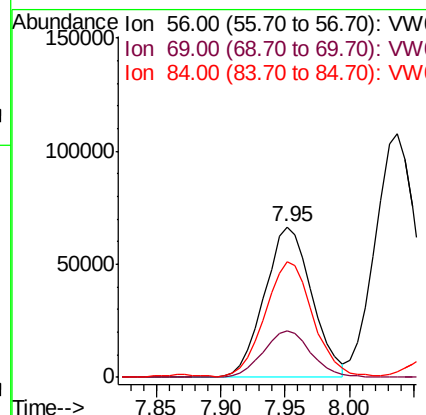
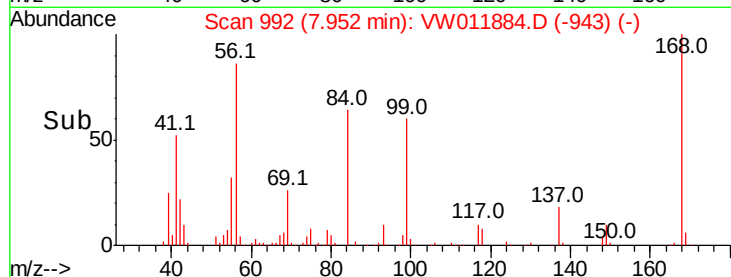
56 100

69 30.6 24.3 36.5

84 75.9 60.4 90.6



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



#32

1,1,1-Trichloroethane

Concen: 53.851 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

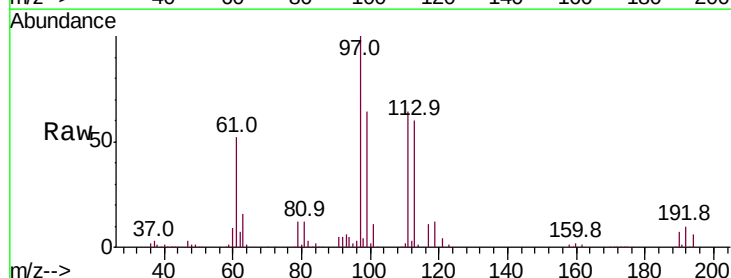
Tgt Ion: 97 Resp: 153286

Ion Ratio Lower Upper

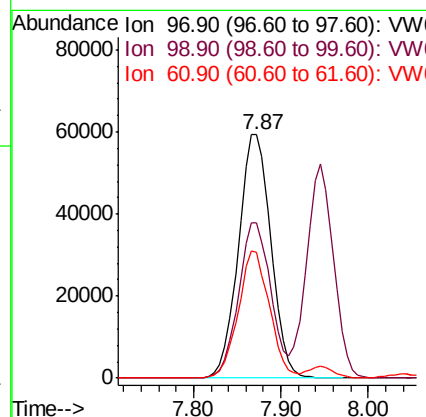
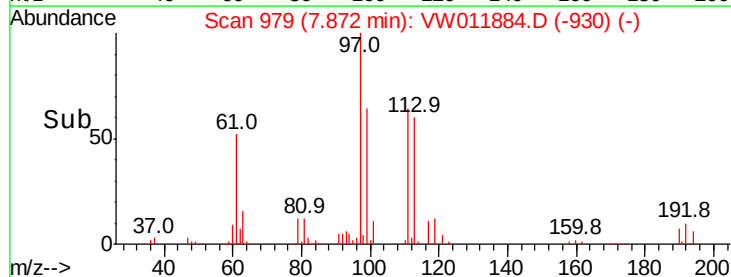
97 100

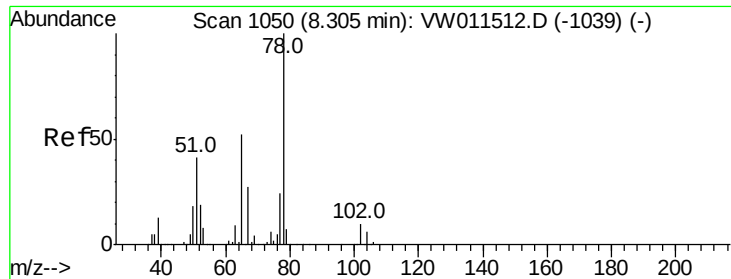
99 63.7 51.0 76.6

61 50.4 39.8 59.6



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

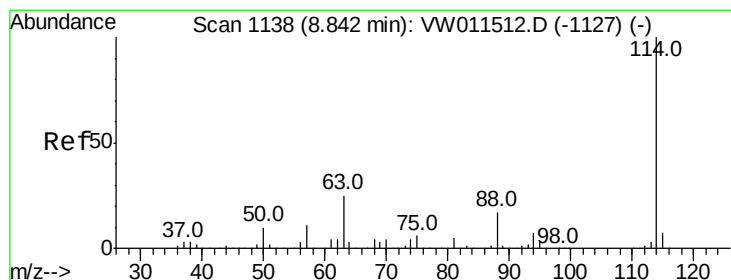
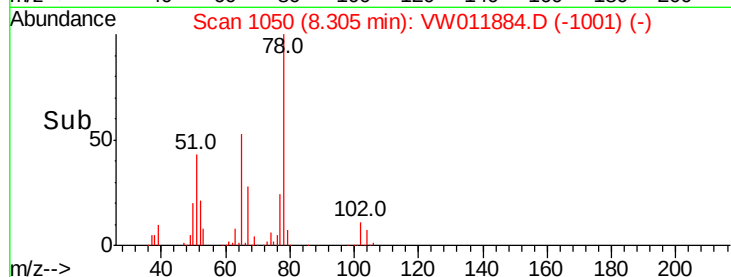
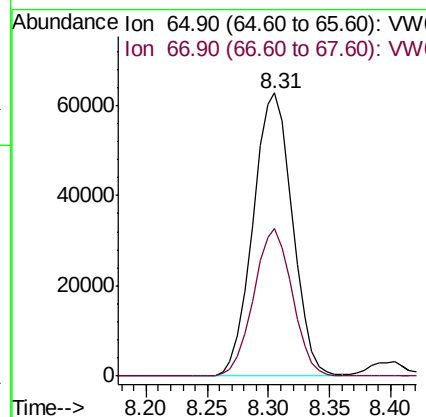
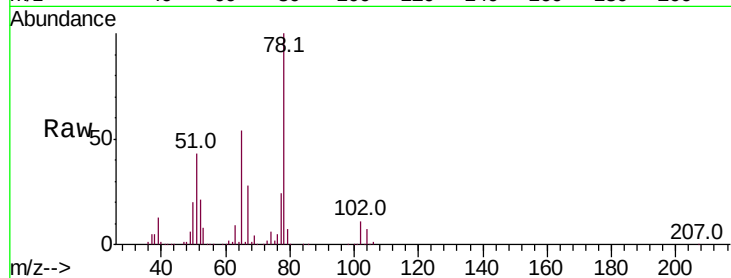




#33
 1,2-Dichloroethane-d4
 Concen: 67.500 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

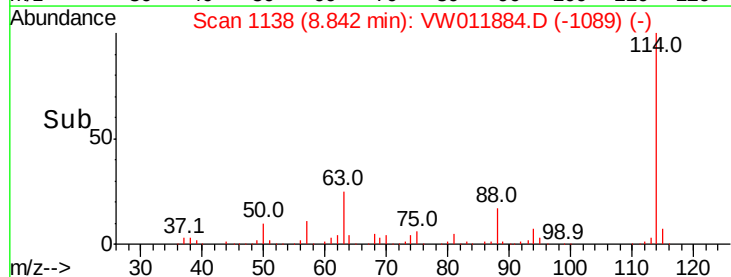
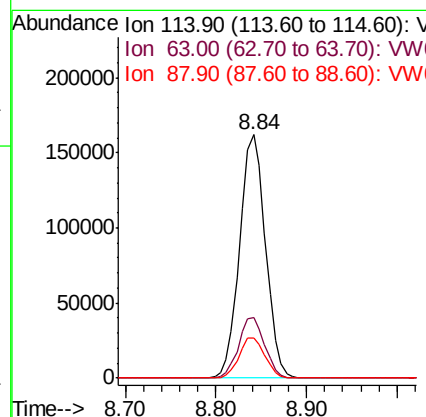
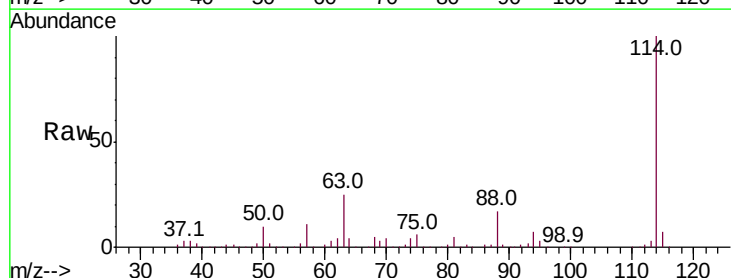
Instrument :
 MSVOA_W
 ClientSampleId :

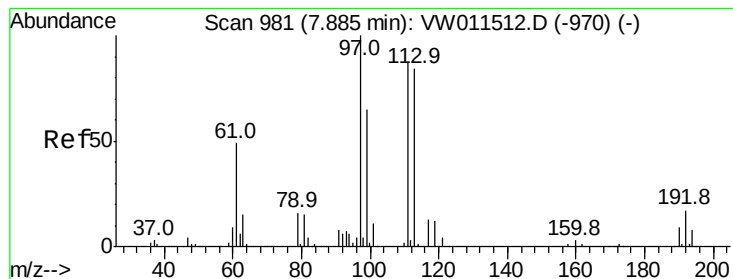
Tot Ion: 65 Resp: 140396
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion: 114 Resp: 320013
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 49.2
 88 16.5 0.0 33.8





#35

Dibromofluoromethane

Concen: 58.669 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :
MSVOA_W
ClientSampleId :

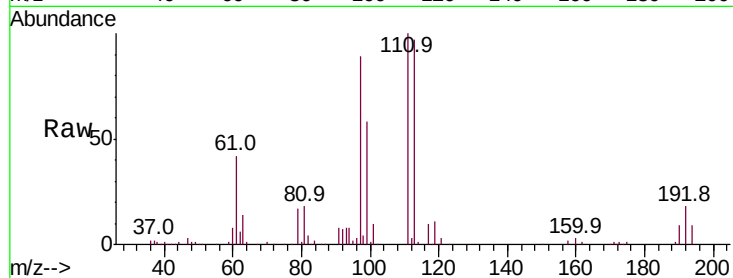
Tot Ion:113 Resp: 105331

Ion Ratio Lower Upper

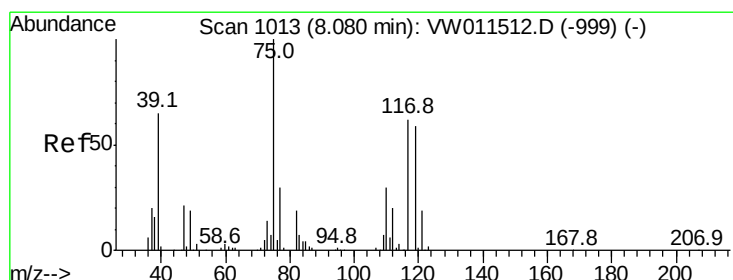
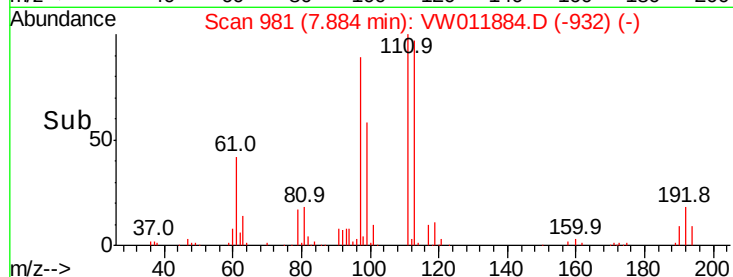
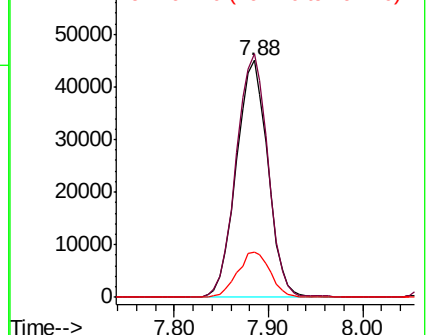
113 100

111 103.7 82.7 124.1

192 19.8 16.1 24.1



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



#36

1,1-Dichloropropene

Concen: 46.685 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

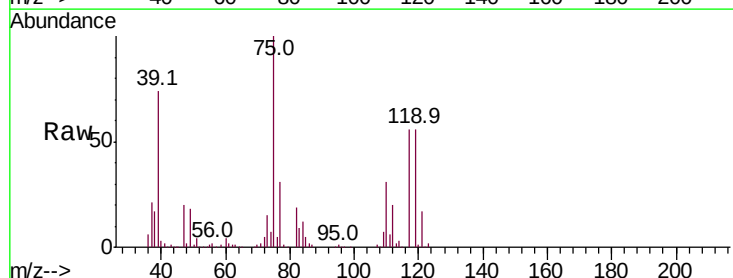
Tgt Ion: 75 Resp: 155347

Ion Ratio Lower Upper

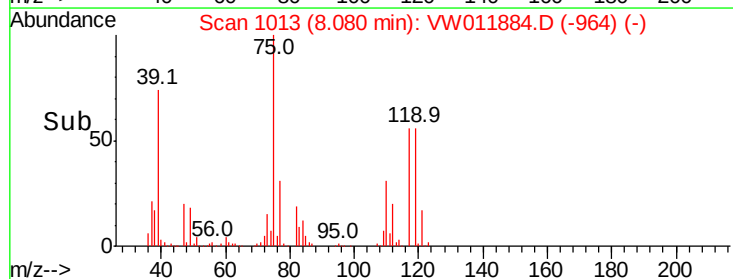
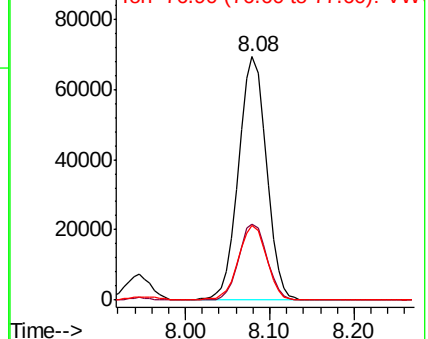
75 100

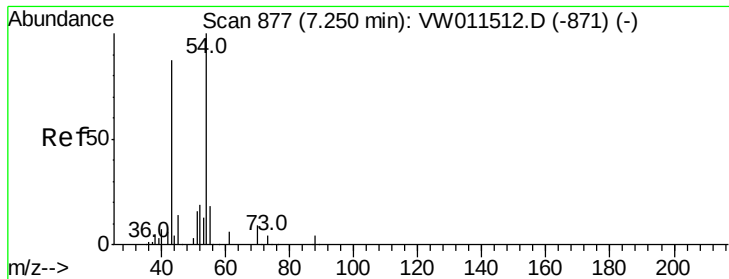
110 31.3 15.6 46.8

77 30.9 24.3 36.5



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

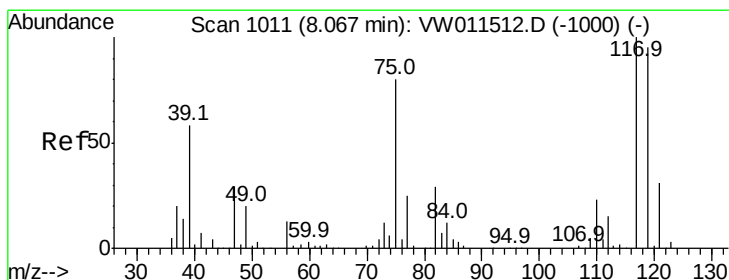
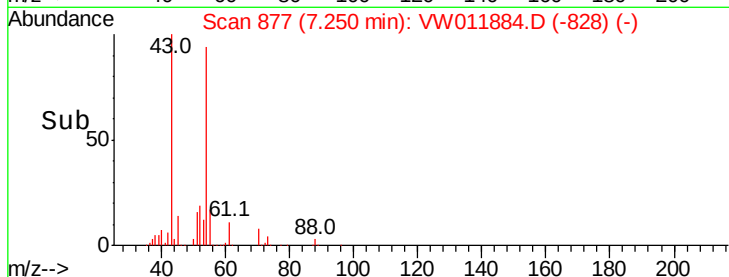
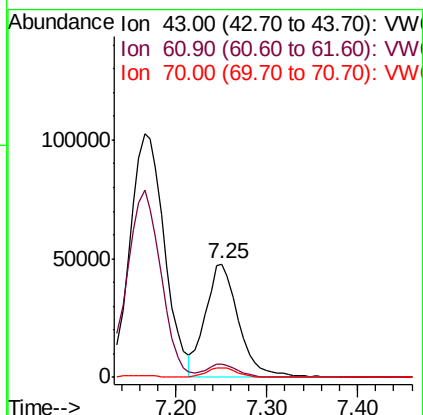
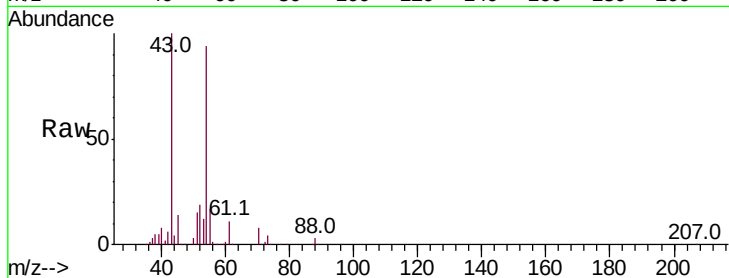




#37
Ethyl Acetate
Concen: 63.038 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

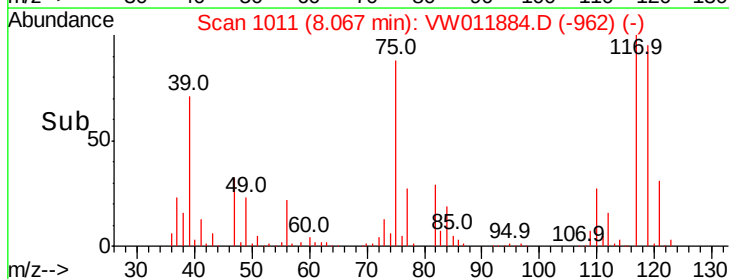
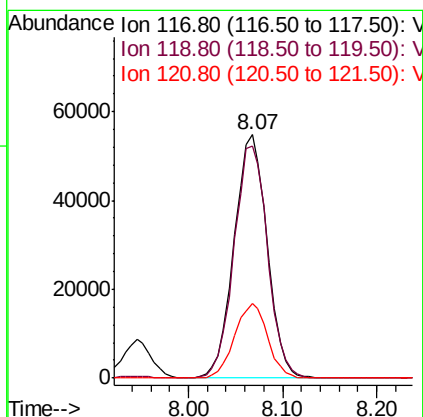
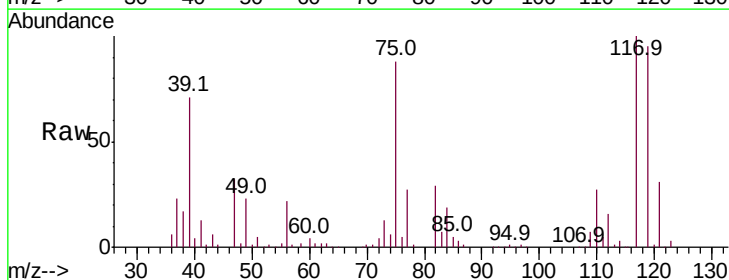
Instrument :
MSVOA_W
ClientSampleId :

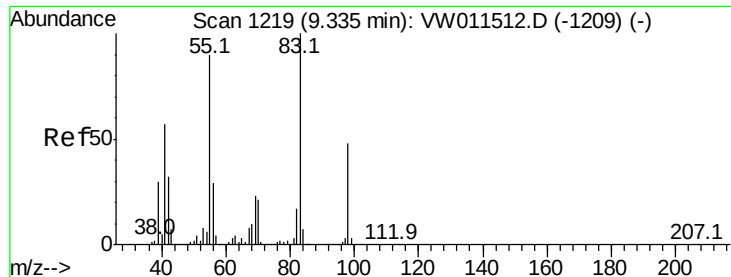
Tot Ion: 43 Resp: 120681
Ion Ratio Lower Upper
43 100
61 11.1 8.8 13.2
70 8.3 7.1 10.7



#38
Carbon Tetrachloride
Concen: 47.121 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion: 117 Resp: 134229
Ion Ratio Lower Upper
117 100
119 95.3 75.8 113.6
121 30.7 24.7 37.1

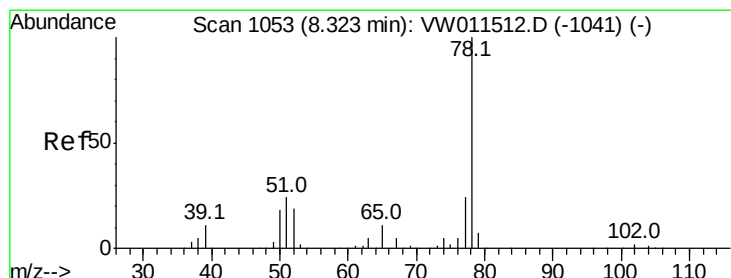
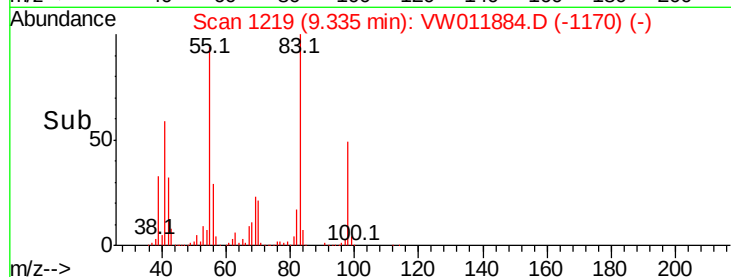
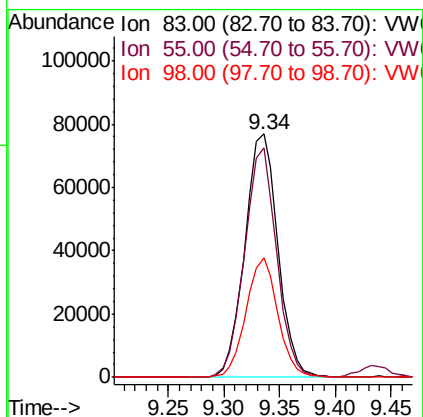
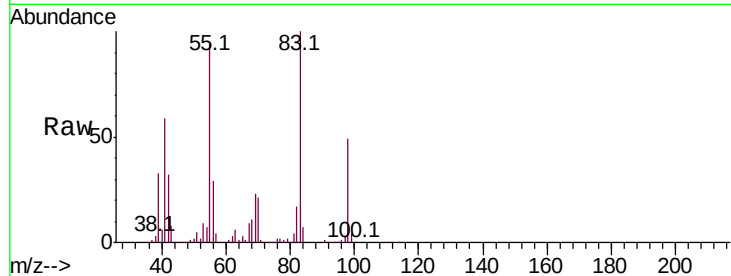




#39
Methylvlcyclohexane
Concen: 43.627 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

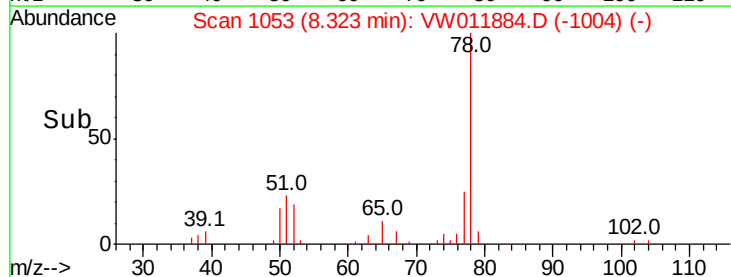
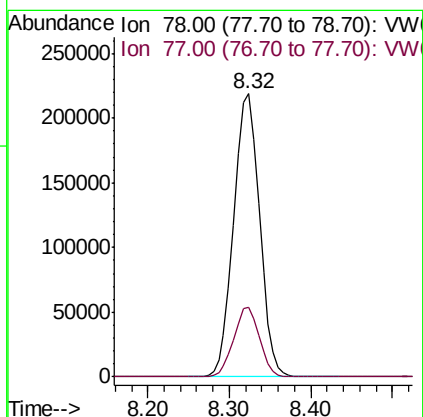
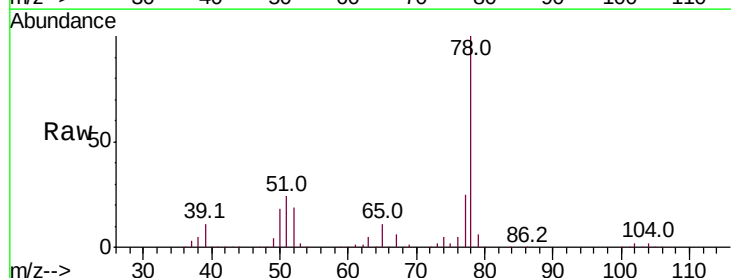
Instrument :
MSVOA_W
ClientSampleId :

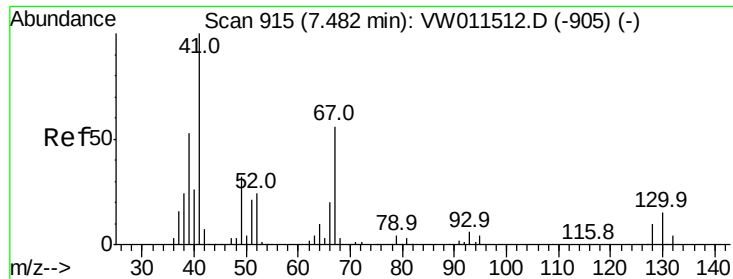
Tot Ion: 83 Resp: 159852
Ion Ratio Lower Upper
83 100
55 94.2 72.1 108.1
98 48.9 38.6 57.8



#40
Benzene
Concen: 51.616 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion: 78 Resp: 481100
Ion Ratio Lower Upper
78 100
77 24.8 19.4 29.0

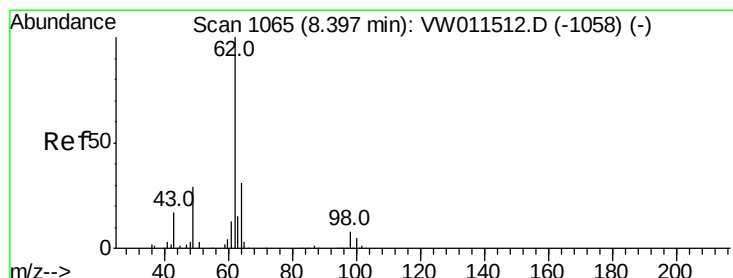
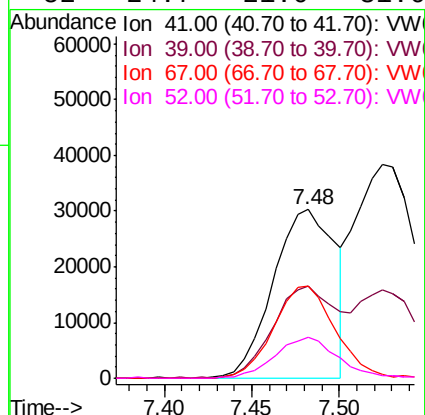
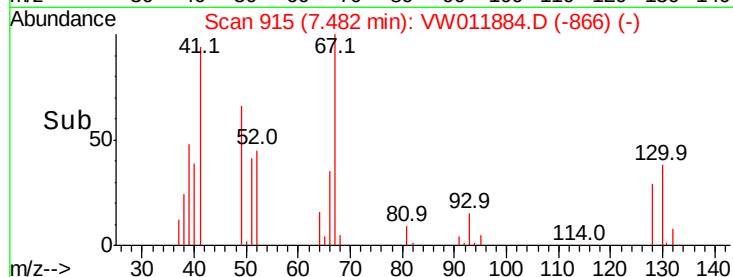
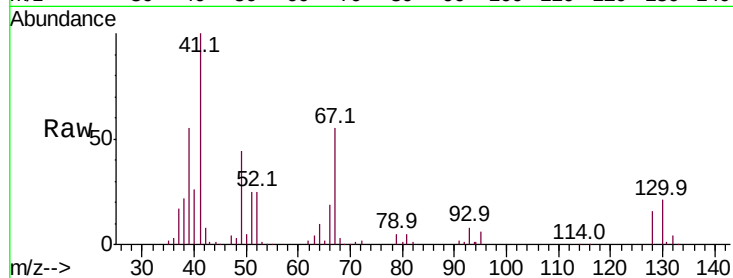




#41
Methacrylonitrile
Concen: 65.804 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

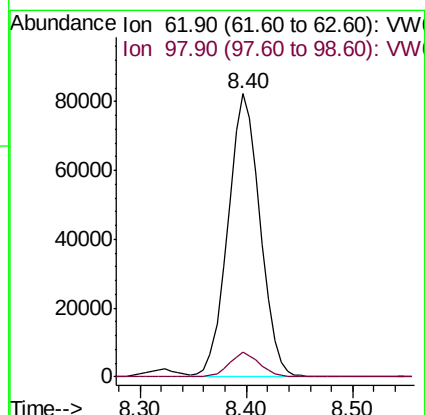
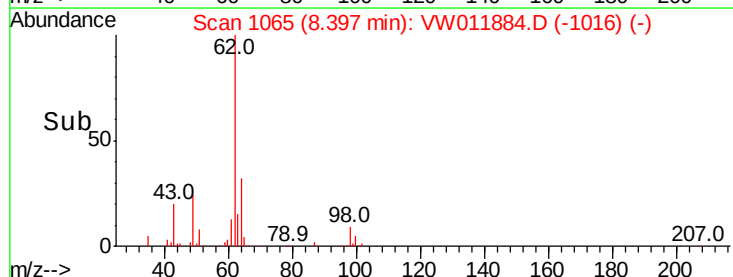
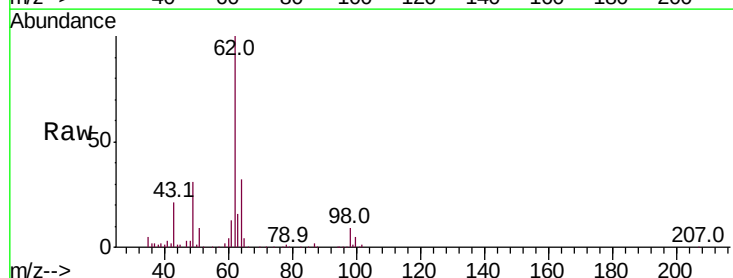
Instrument :
MSVOA_W
ClientSampleId :

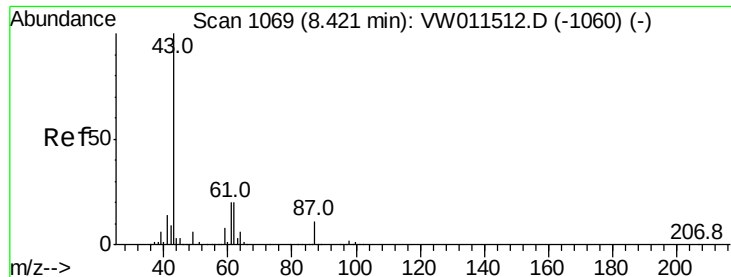
Tot Ion:	41	Resp:	75305
Ion	Ratio	Lower	Upper
41	100		
39	59.3	43.0	64.4
67	54.7	47.5	71.3
52	24.7	21.0	31.6



#42
1,2-Dichloroethane
Concen: 59.492 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion:	62	Resp:	173607
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.8





#43

Isopropyl Acetate

Concen: 63.689 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

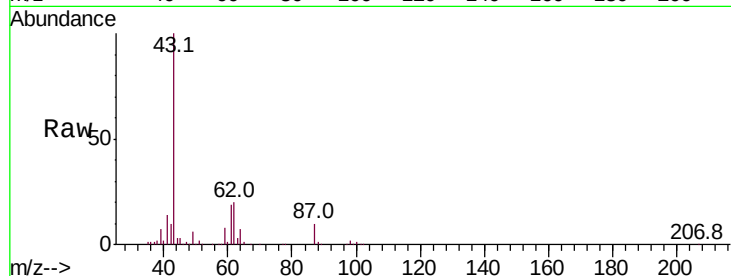
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 224236

Ion	Ratio	Lower	Upper
43	100		
61	25.7	21.5	32.3
87	10.3	8.4	12.6

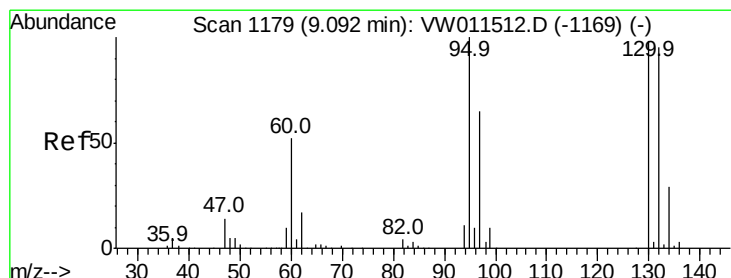
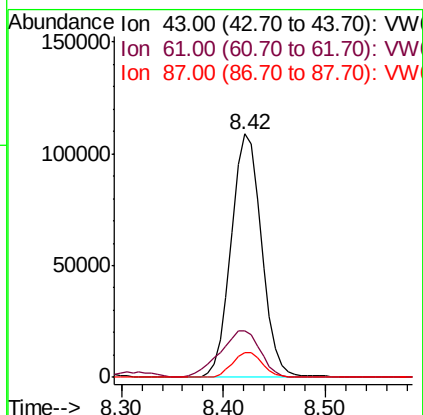
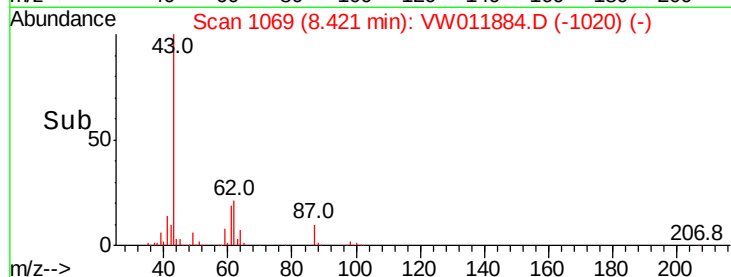


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 50.231 ug/l

RT: 9.09 min Scan# 1179

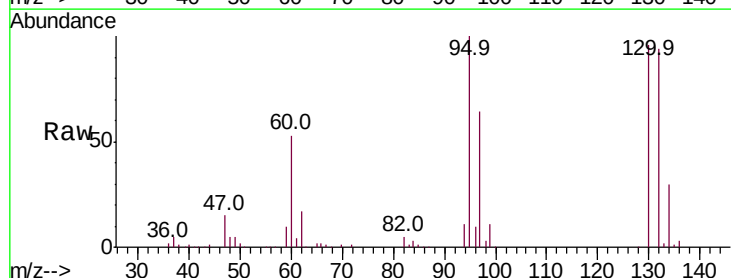
Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Tgt Ion:130 Resp: 112527

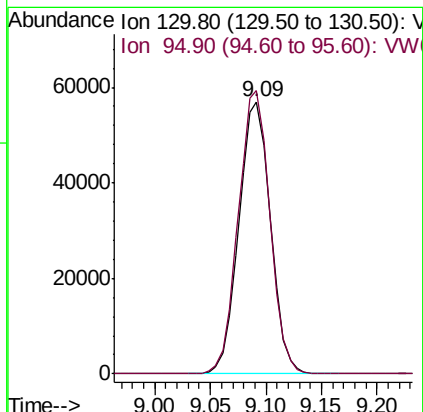
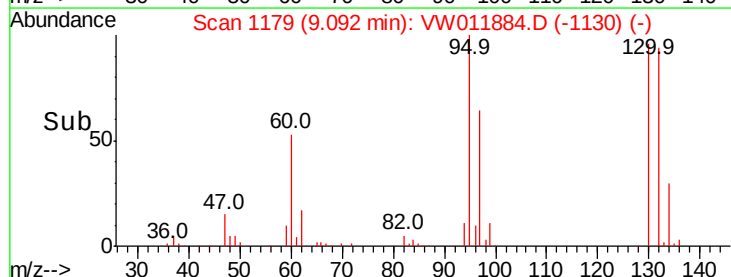
Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	204.8

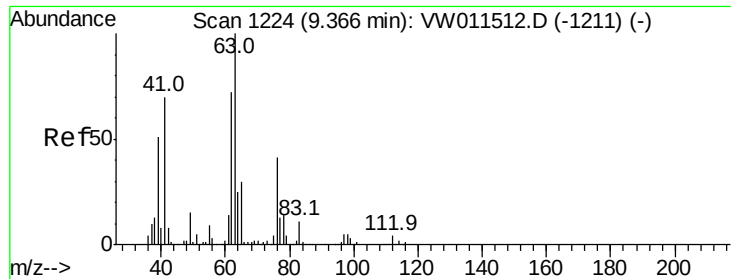


Abundance

Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

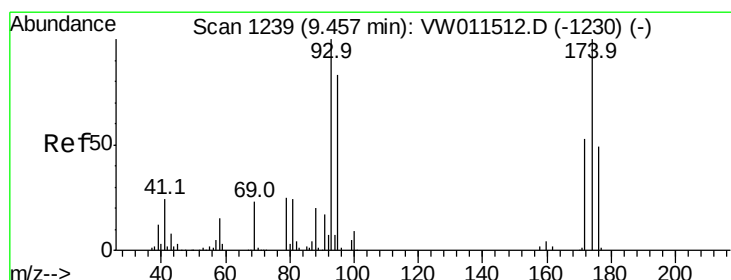
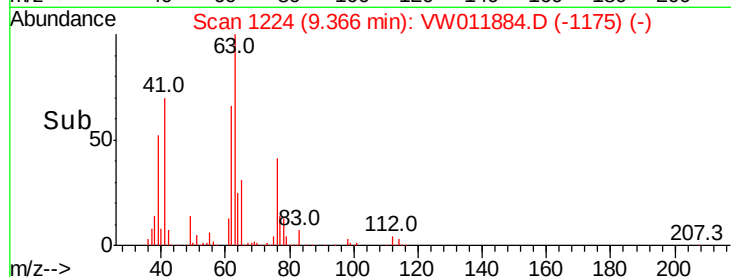
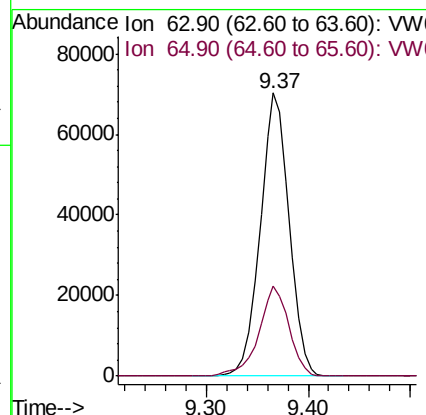
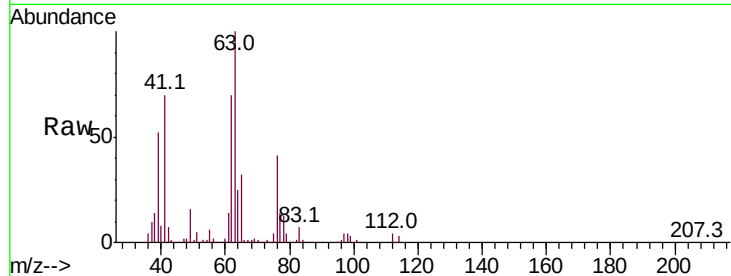




#45
 1,2-Dichloropropane
 Concen: 55.526 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

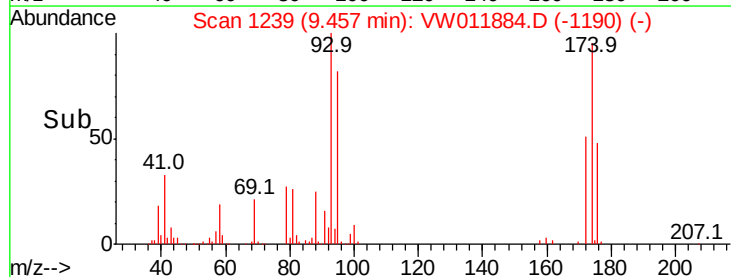
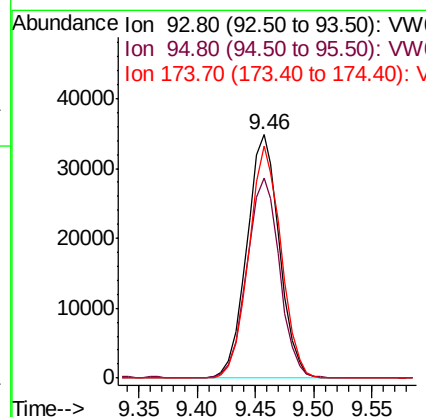
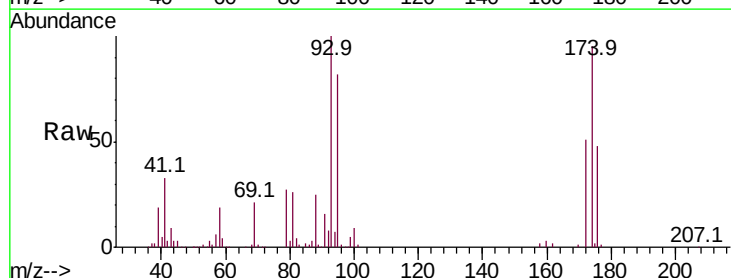
Instrument :
 MSVOA_W
 ClientSampleId :

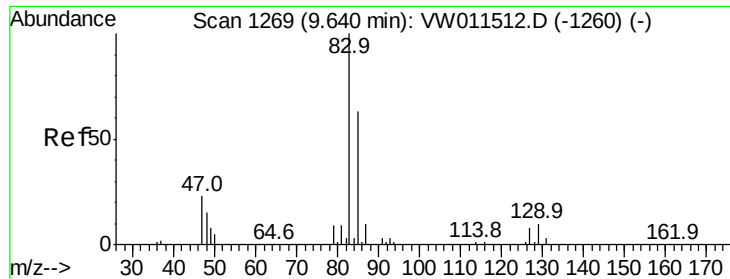
Tot Ion: 63 Resp: 138477
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.2 36.4



#46
 Dibromomethane
 Concen: 59.588 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion: 93 Resp: 67827
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.2 99.2
 174 94.2 78.2 117.4

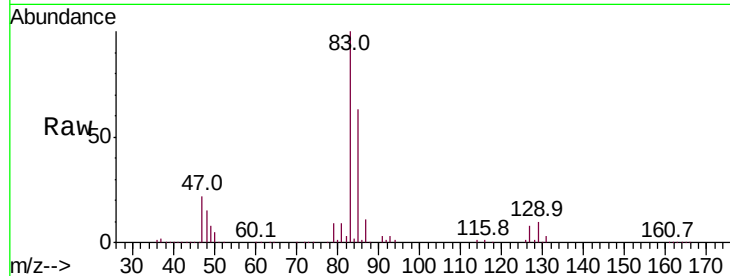




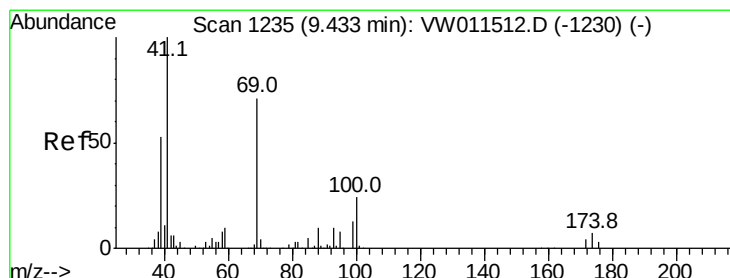
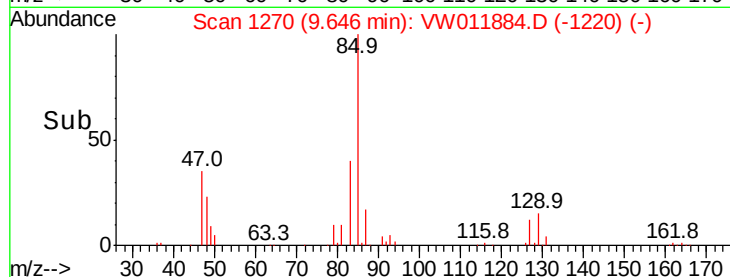
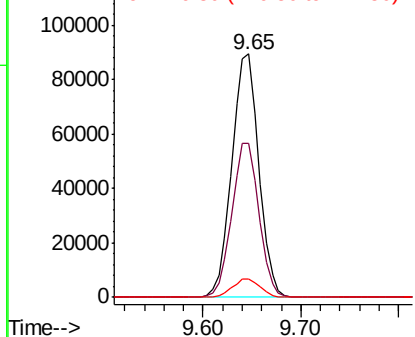
#47
Bromodichloromethane
Concen: 57.293 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 171065
Ion Ratio Lower Upper
83 100
85 63.4 50.5 75.7
127 7.8 6.4 9.6

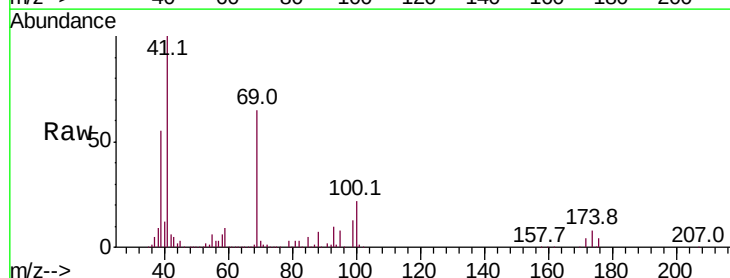


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW

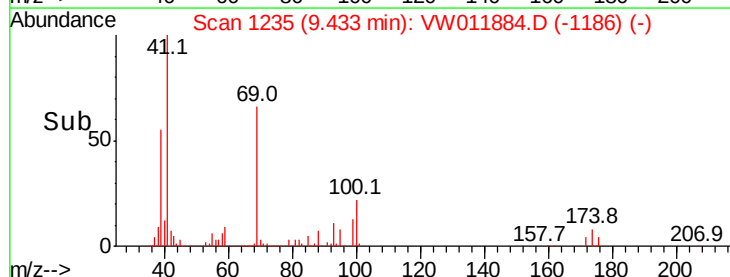
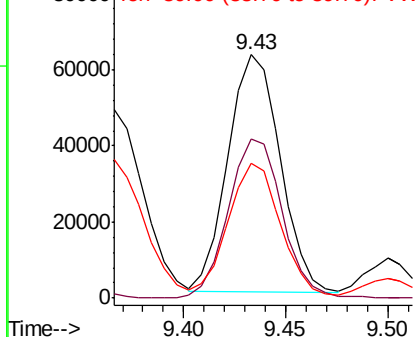


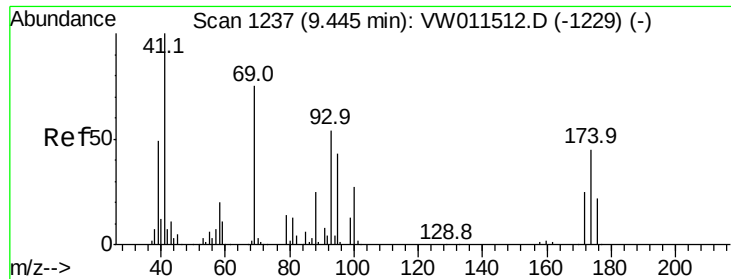
#48
Methyl methacrylate
Concen: 65.687 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion: 41 Resp: 111094
Ion Ratio Lower Upper
41 100
69 69.7 57.1 85.7
39 57.5 45.4 68.2



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1310.273 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :
MSVOA_W
ClientSampleId :

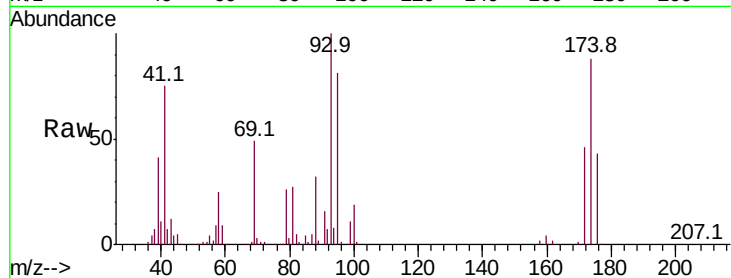
Tot Ion: 88 Resp: 21595

Ion Ratio Lower Upper

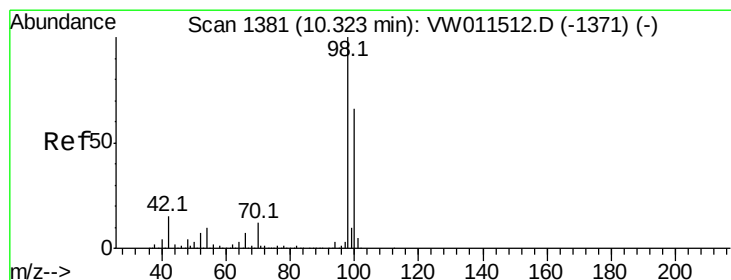
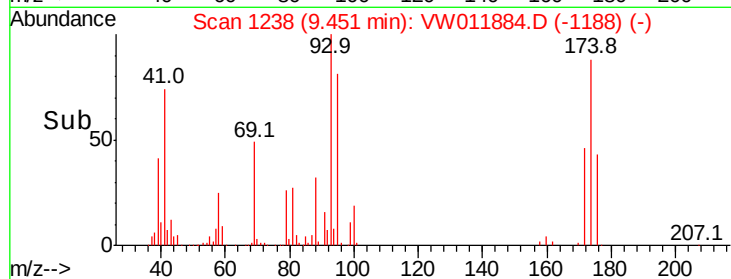
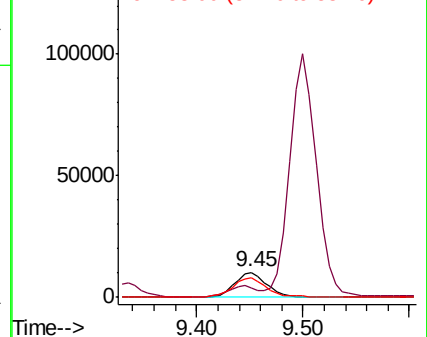
88 100

43 41.6 34.0 51.0

58 85.4 69.7 104.5



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



#50

Toluene-d8

Concen: 55.490 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011884.D

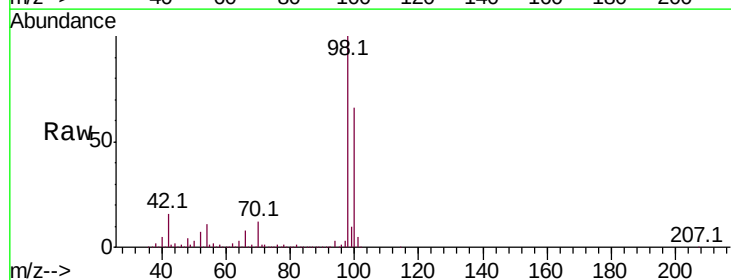
Acq: 13 Aug 2019 06:45

Tgt Ion: 98 Resp: 407884

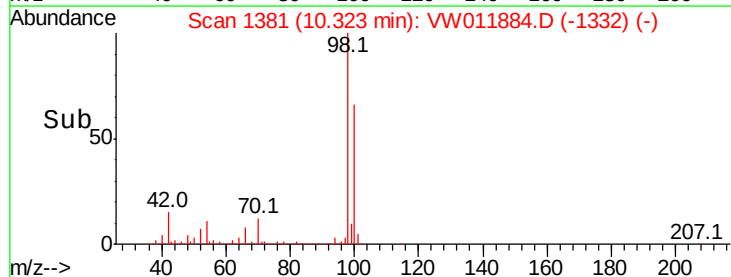
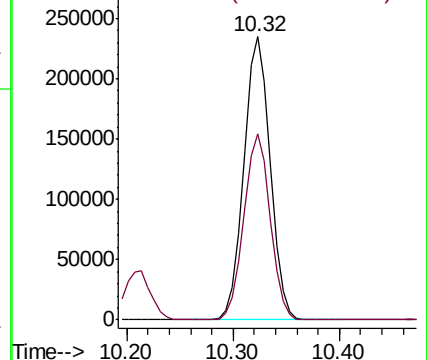
Ion Ratio Lower Upper

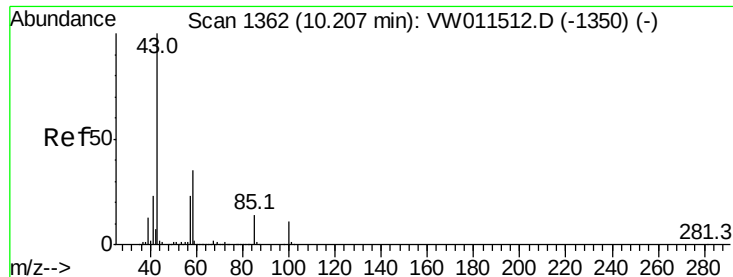
98 100

100 65.8 52.7 79.1



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





#51

4-Methyl-2-Pentanone

Concen: 333.434 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

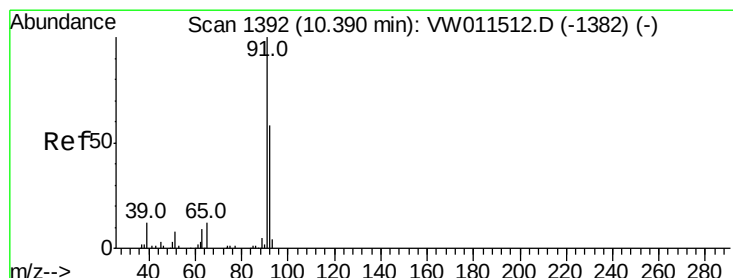
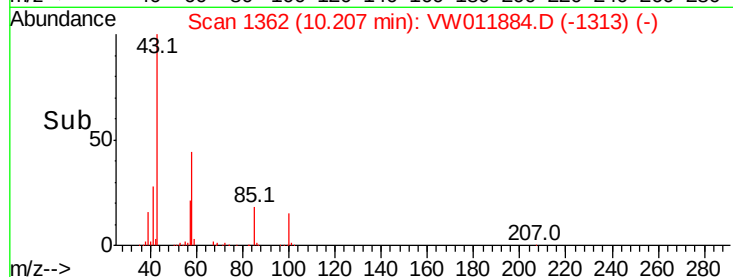
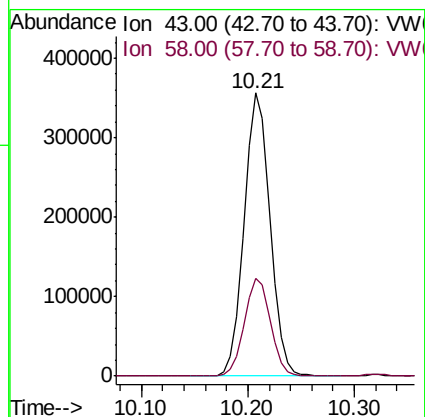
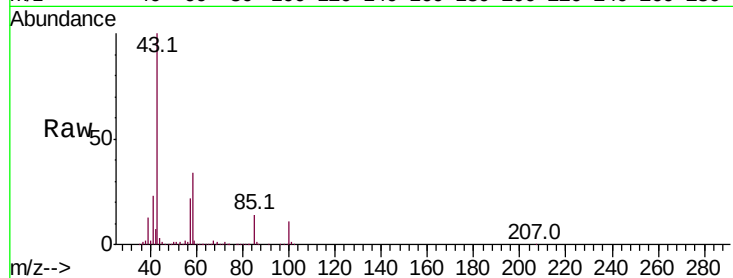
ClientSampleId :

Tot Ion: 43 Resp: 610628

Ion Ratio Lower Upper

43 100

58 34.7 28.2 42.2



#52

Toluene

Concen: 52.402 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011884.D

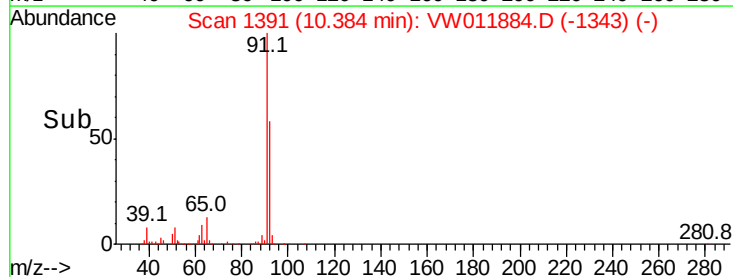
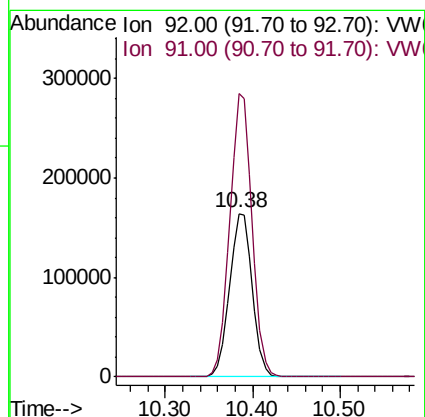
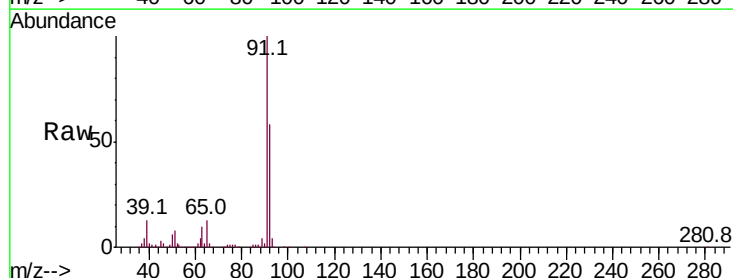
Acq: 13 Aug 2019 06:45

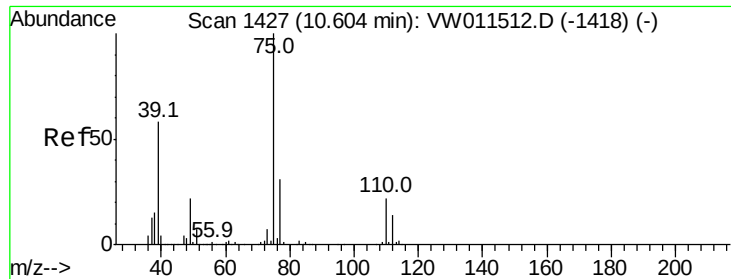
Tgt Ion: 92 Resp: 294956

Ion Ratio Lower Upper

92 100

91 170.4 136.7 205.1

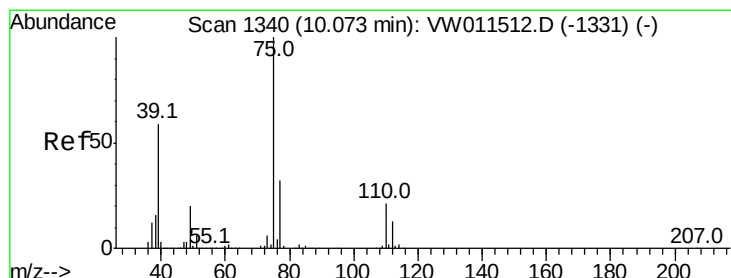
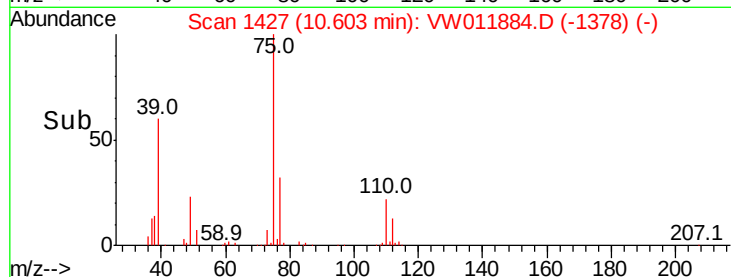
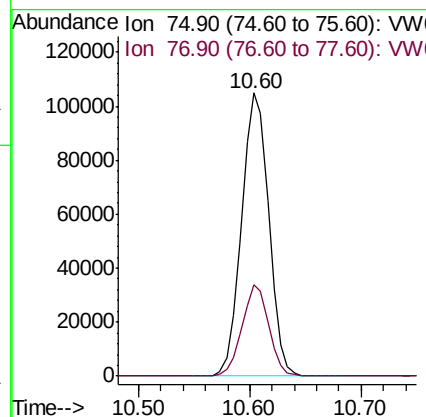
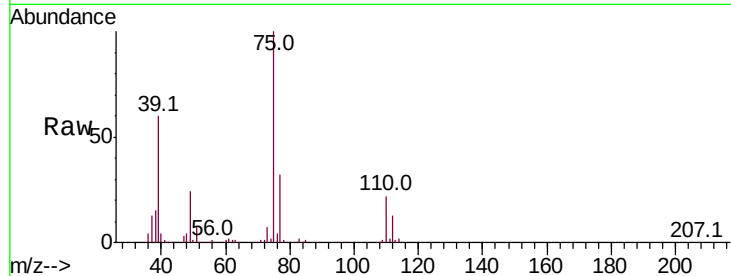




#53
 t-1,3-Dichloropropene
 Concen: 56.782 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

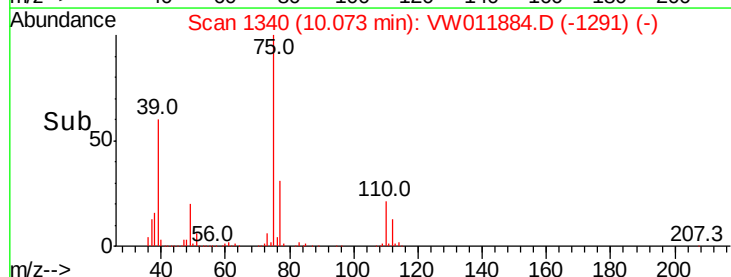
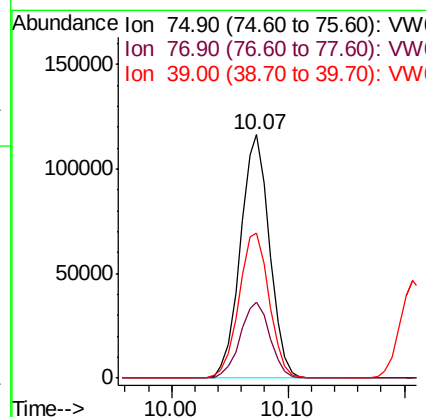
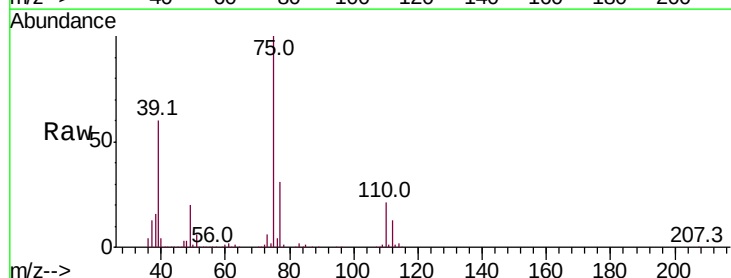
Instrument :
 MSVOA_W
 ClientSampled :

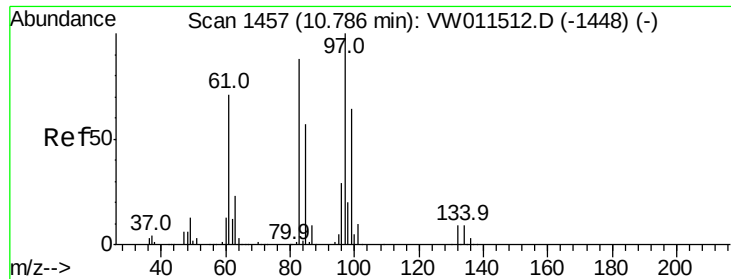
Tot Ion: 75 Resp: 177104
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 54.738 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion: 75 Resp: 202995
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.6 38.4
 39 59.6 47.0 70.4

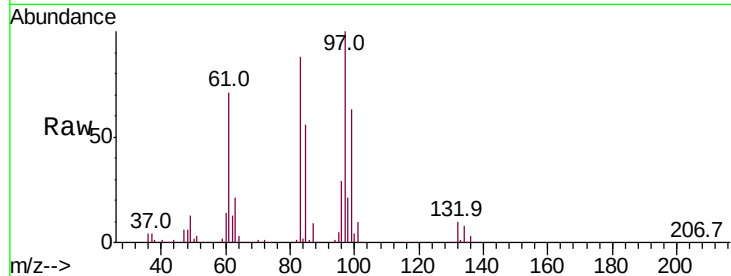




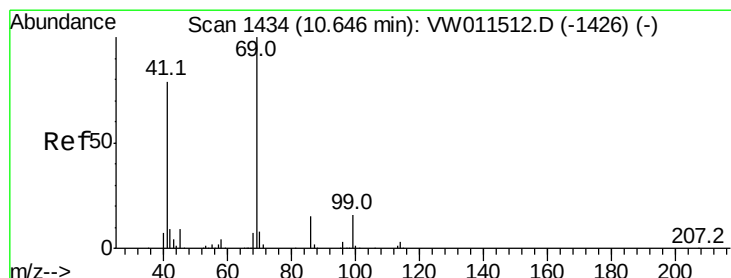
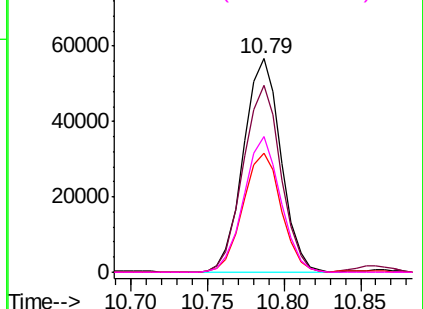
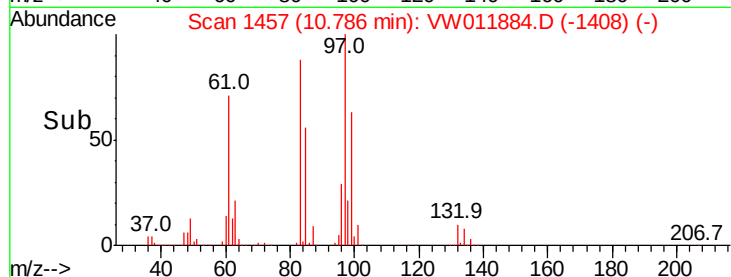
#55
 1,1,2-Trichloroethane
 Concen: 60.000 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 97 Resp: 96902
 Ion Ratio Lower Upper
 97 100
 83 87.6 70.5 105.7
 85 55.7 45.8 68.6
 99 63.3 51.0 76.4

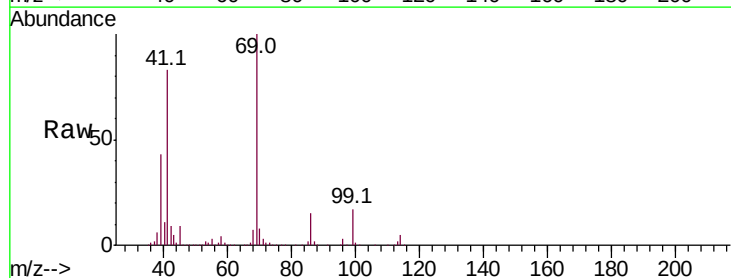


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

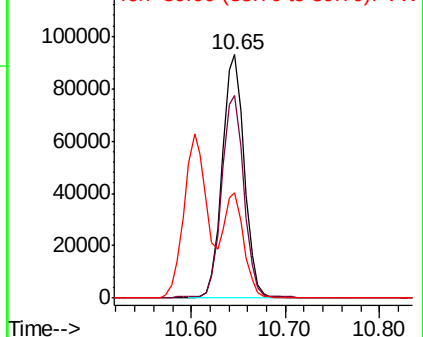
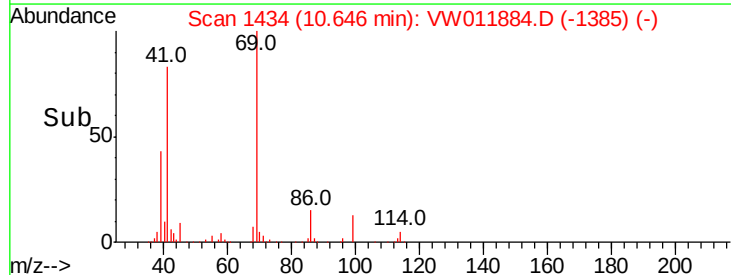


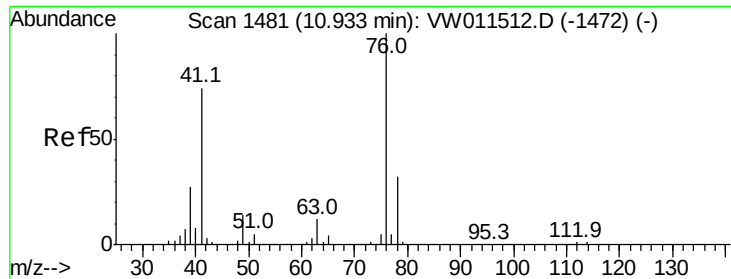
#56
 Ethyl methacrylate
 Concen: 63.813 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion: 69 Resp: 150808
 Ion Ratio Lower Upper
 69 100
 41 83.9 66.6 99.8
 39 38.8 30.3 45.5



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW

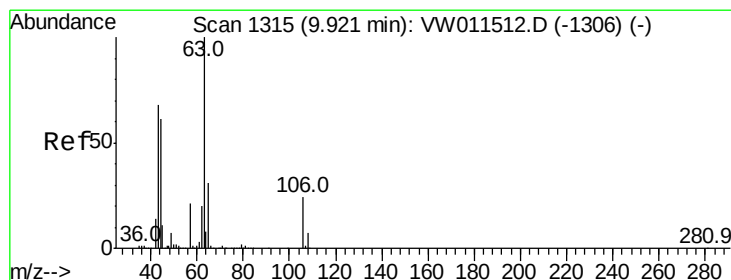
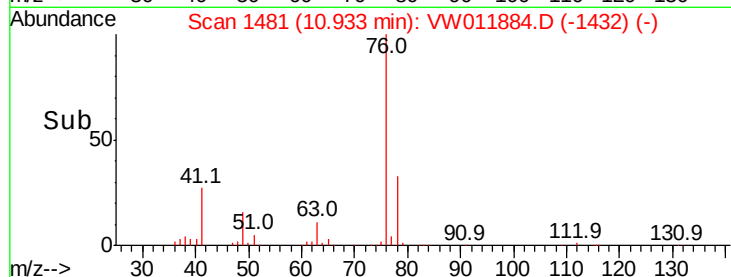
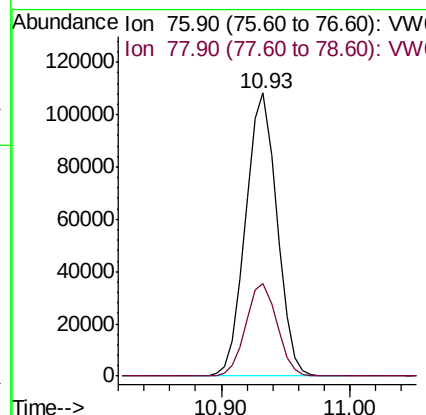
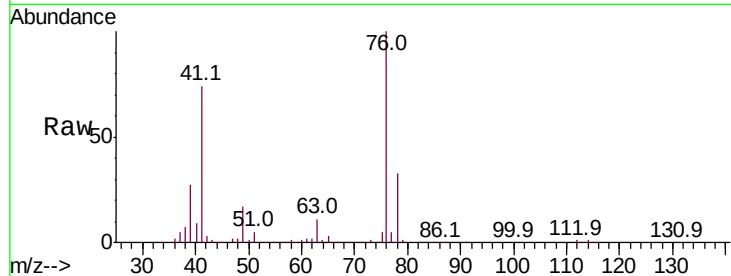




#57
 1,3-Dichloropropane
 Concen: 59.639 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

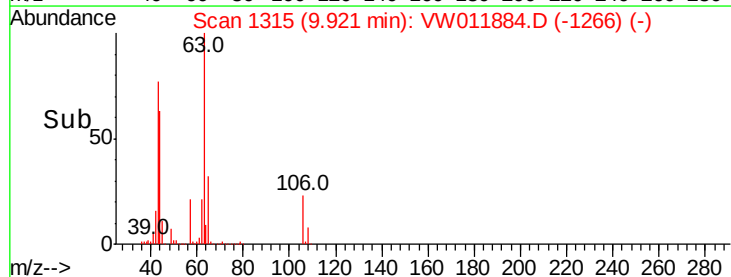
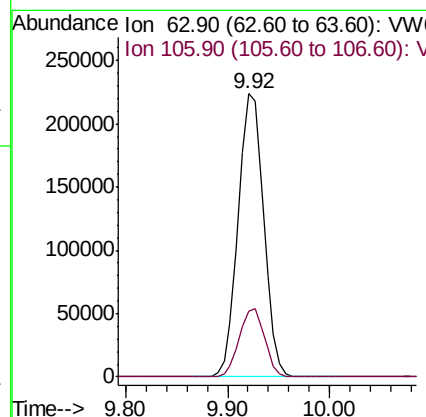
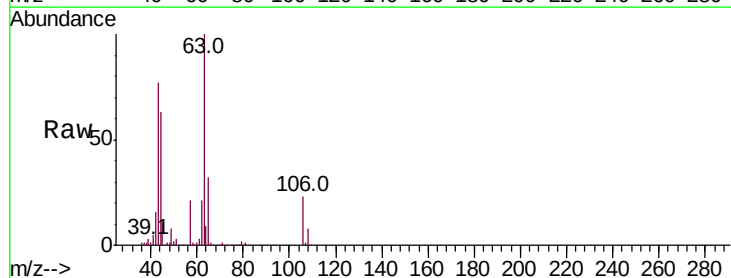
Instrument :
 MSVOA_W
 ClientSampled :

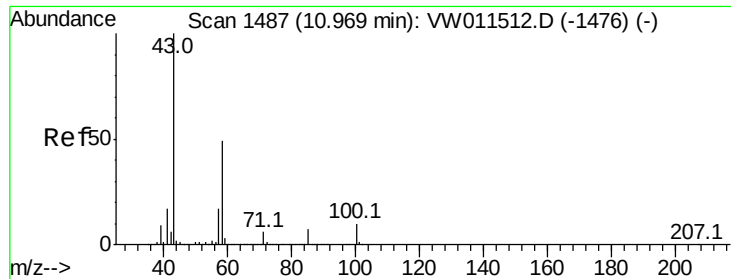
Tot Ion: 76 Resp: 182226
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 360.274 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion: 63 Resp: 386585
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.7 29.5

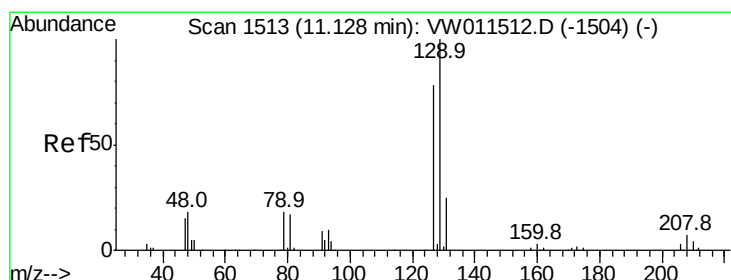
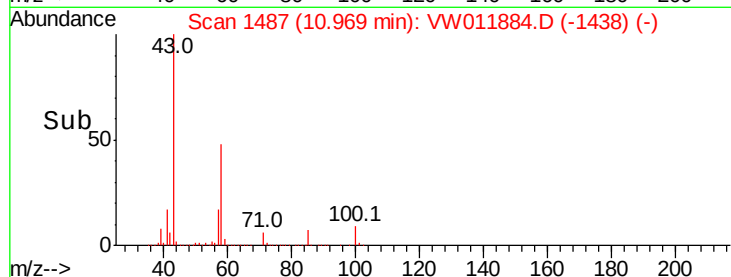
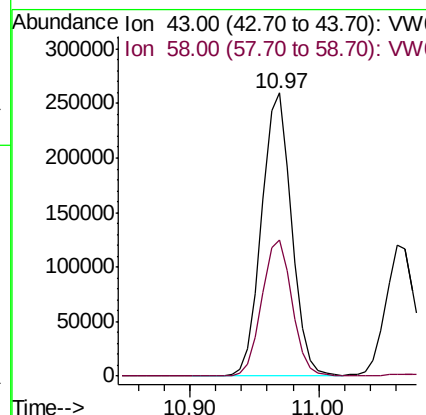
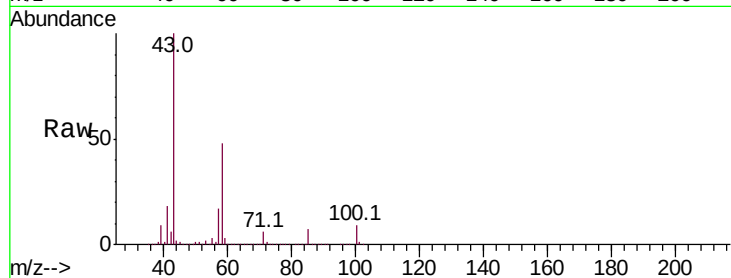




#59
2-Hexanone
Concen: 322.067 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

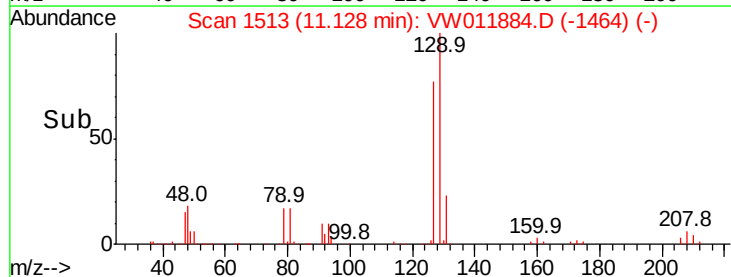
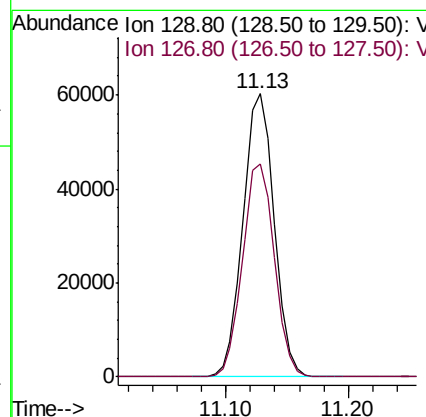
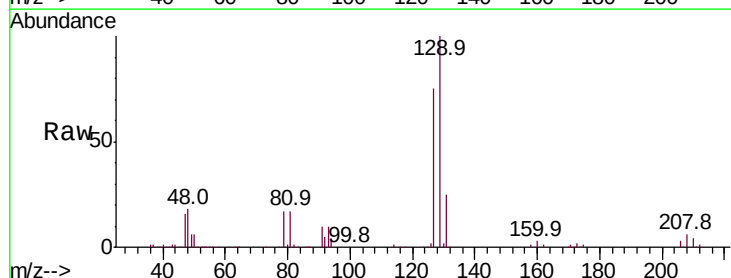
Instrument :
MSVOA_W
ClientSampled :

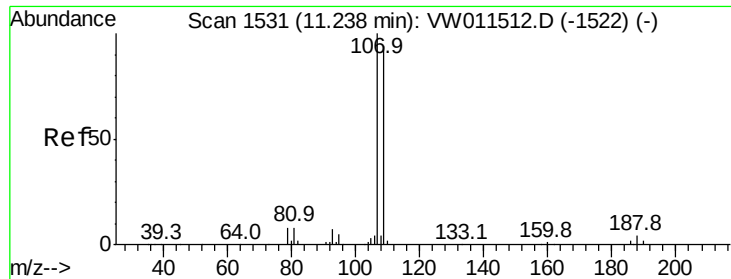
Tot Ion: 43 Resp: 416445
Ion Ratio Lower Upper
43 100
58 48.6 24.3 72.9



#60
Dibromochloromethane
Concen: 59.540 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion: 129 Resp: 106738
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.7

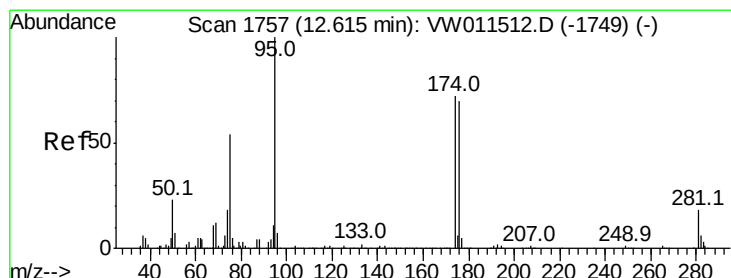
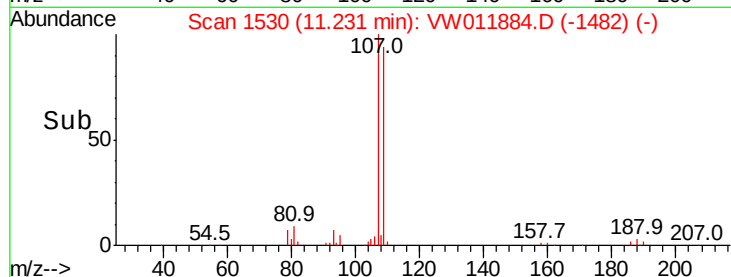
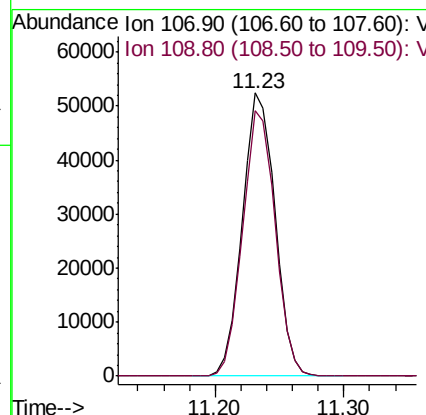
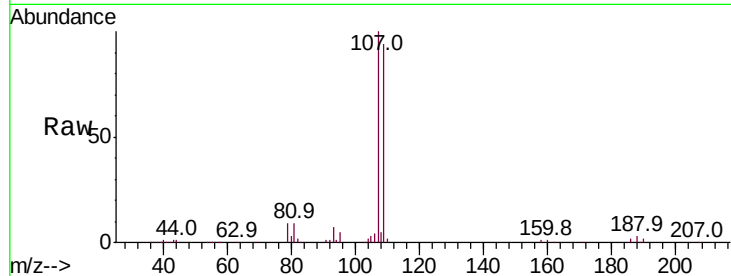




#61
 1,2-Dibromoethane
 Concen: 60.183 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

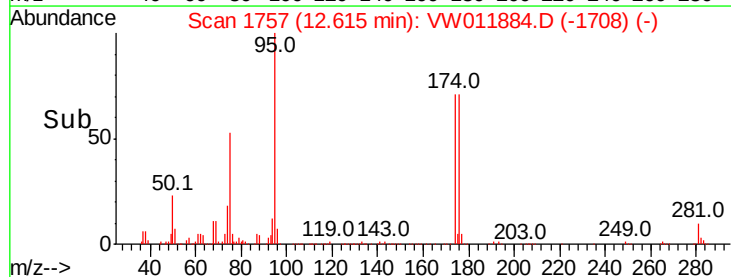
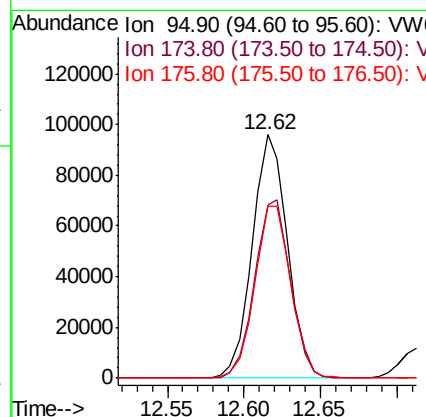
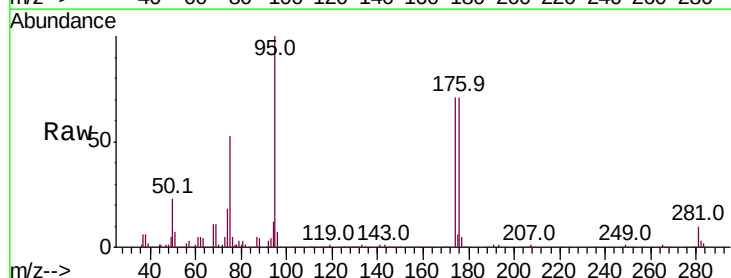
Instrument :
 MSVOA_W
 ClientSampled :

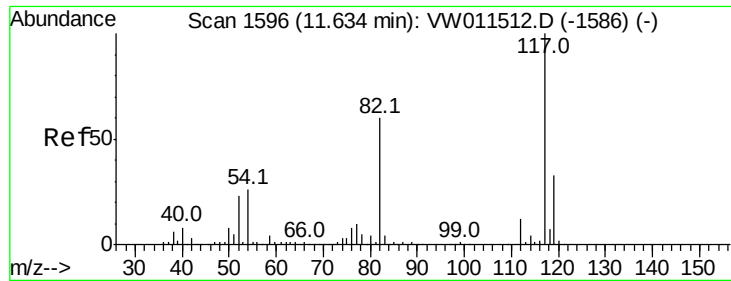
Tot Ion:107 Resp: 91981
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 58.285 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion: 95 Resp: 152745
 Ion Ratio Lower Upper
 95 100
 174 75.2 0.0 150.2
 176 72.7 0.0 144.4

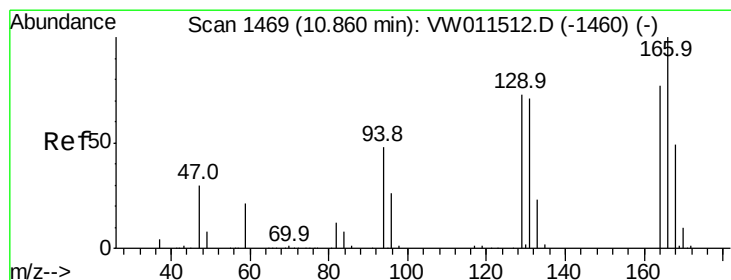
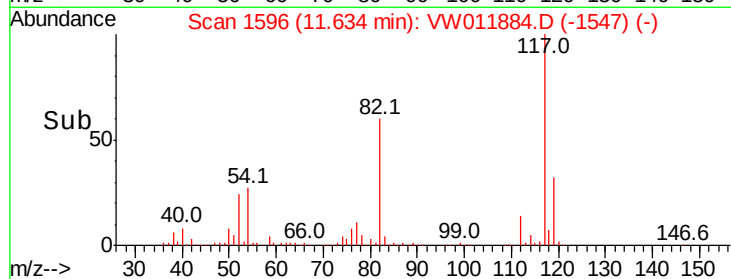
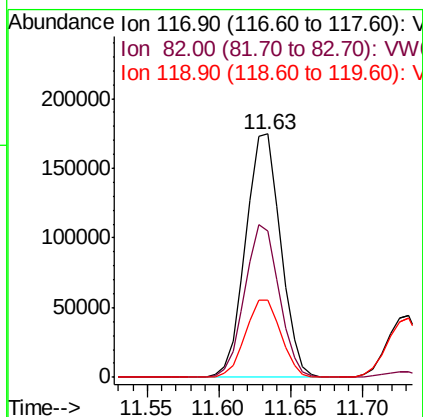
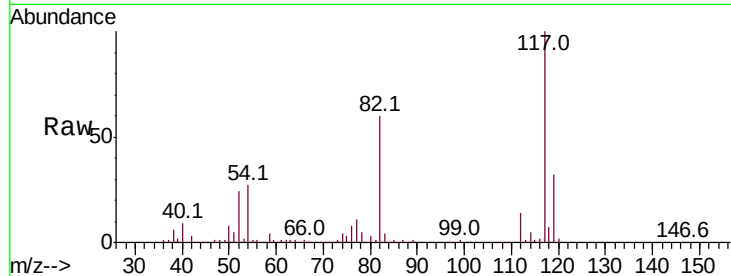




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

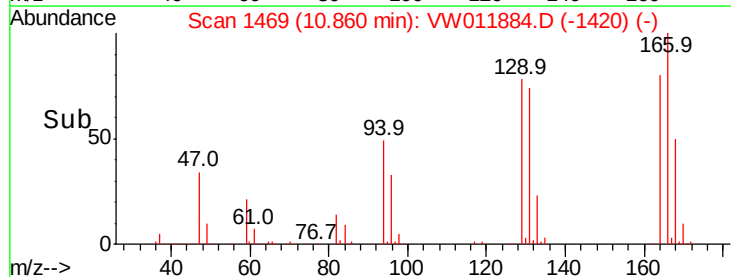
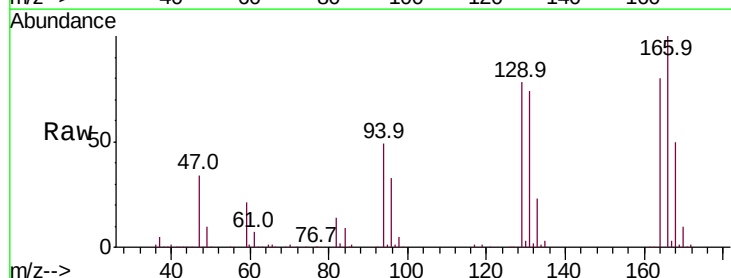
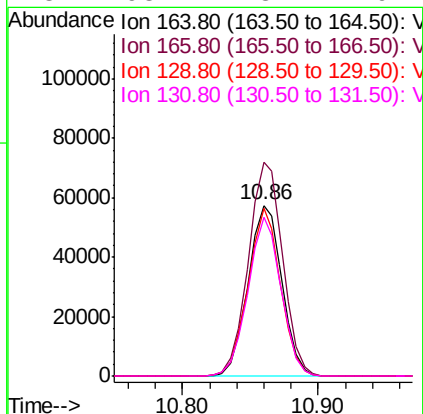
Instrument :
MSVOA_W
ClientSampled :

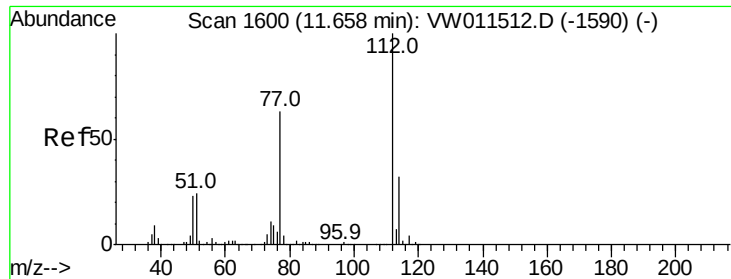
Tot Ion:117 Resp: 294394
Ion Ratio Lower Upper
117 100
82 60.2 47.9 71.9
119 31.8 26.2 39.2



#64
Tetrachloroethene
Concen: 52.122 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion:164 Resp: 99908
Ion Ratio Lower Upper
164 100
166 125.3 103.5 155.3
129 98.1 75.2 112.8
131 93.2 73.4 110.2





#65

Chlorobenzene

Concen: 51.081 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

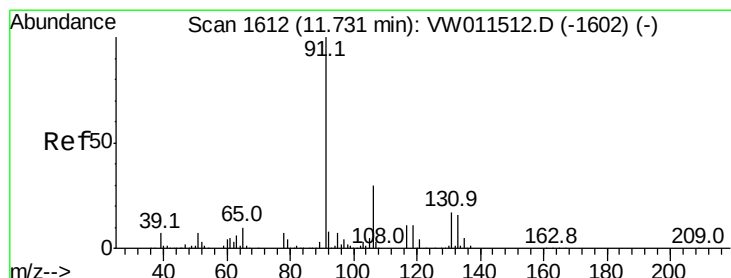
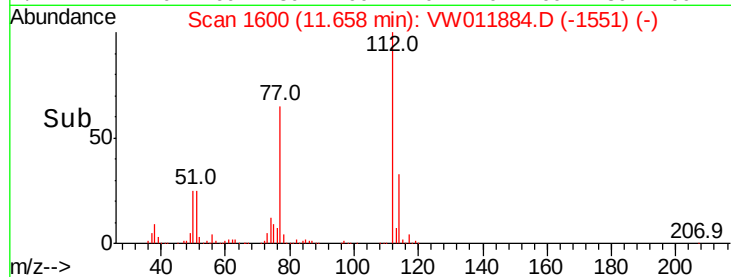
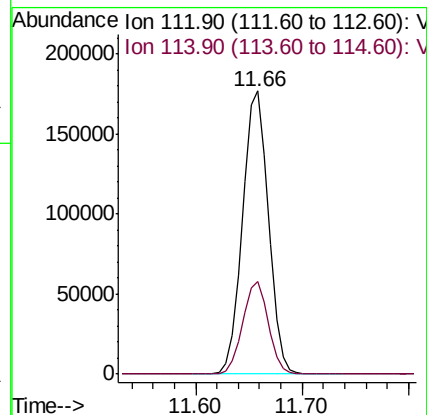
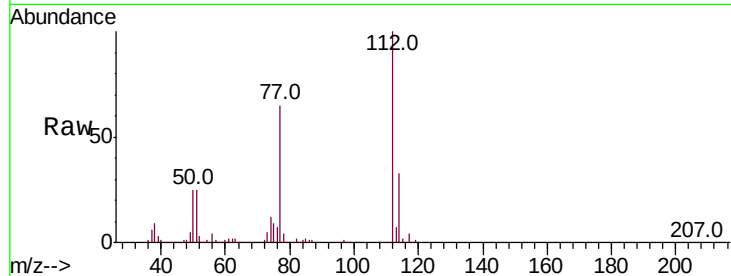
ClientSampleId :

Tot Ion:112 Resp: 302331

Ion Ratio Lower Upper

112 100

114 32.6 25.6 38.4



#66

1,1,1,2-Tetrachloroethane

Concen: 54.041 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

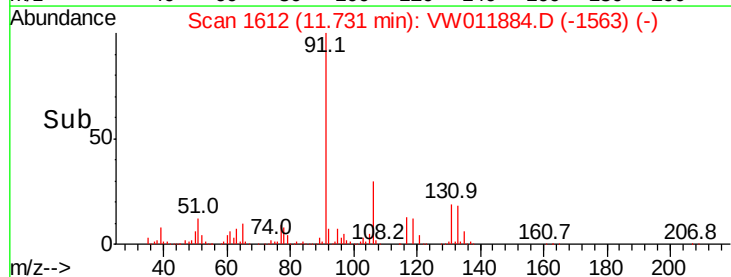
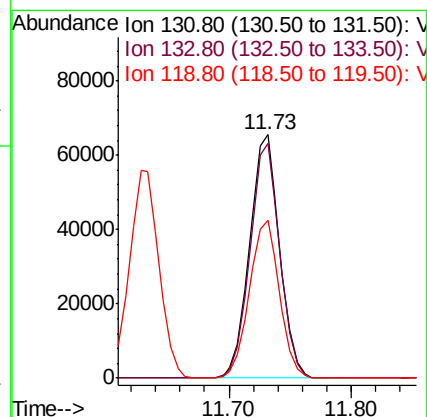
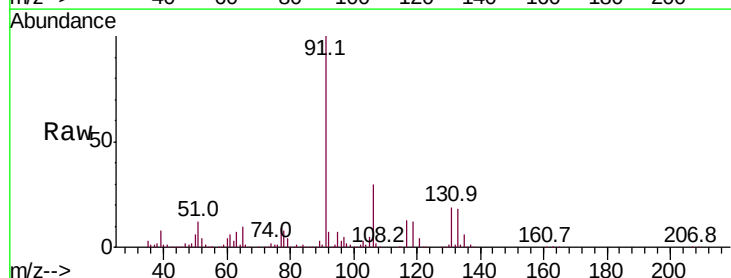
Tgt Ion:131 Resp: 111413

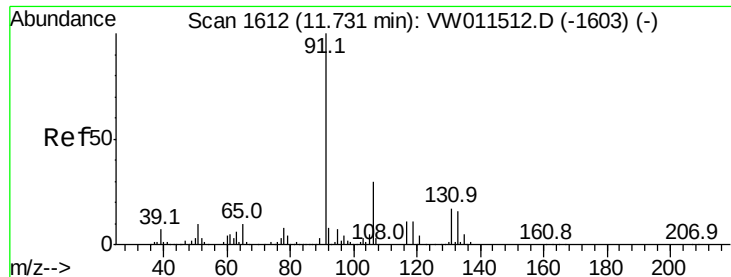
Ion Ratio Lower Upper

131 100

133 95.4 47.4 142.2

119 65.1 32.3 96.9

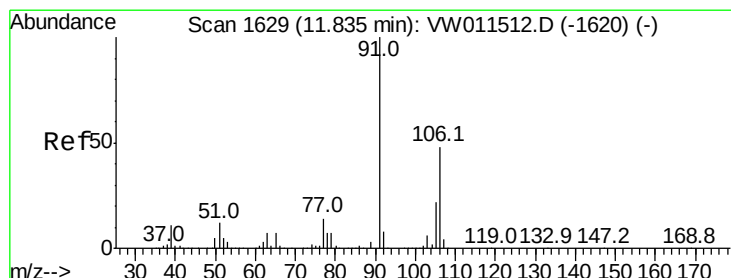
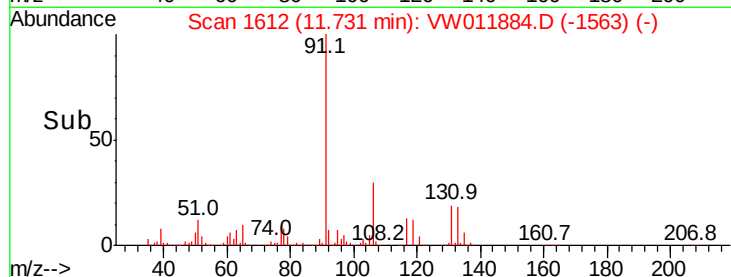
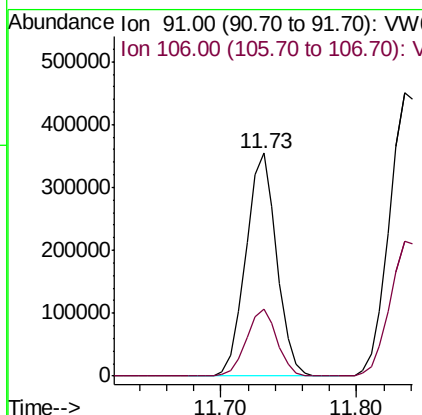
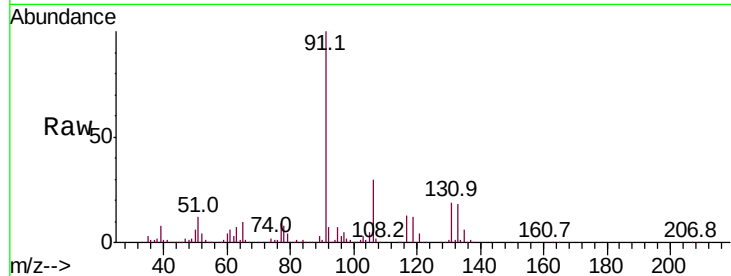




#67
Ethyl Benzene
Concen: 49.885 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

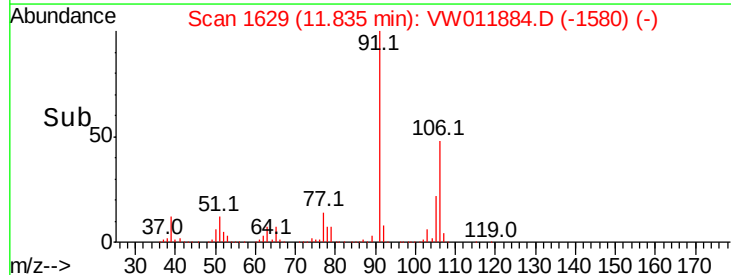
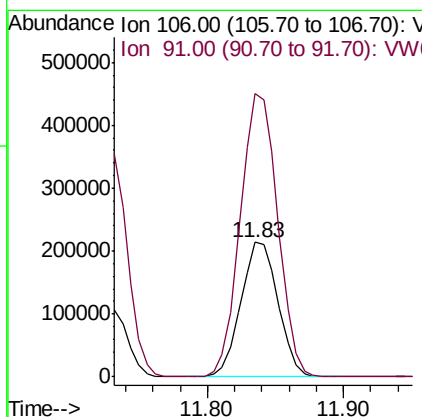
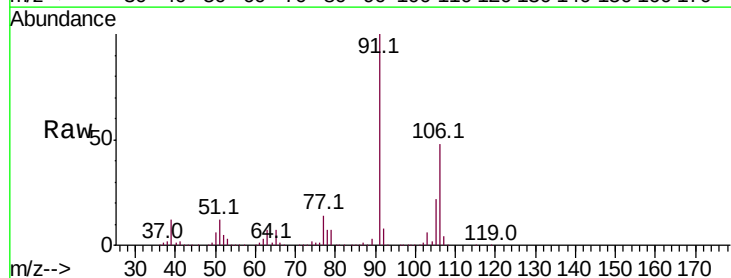
Instrument :
MSVOA_W
ClientSampled :

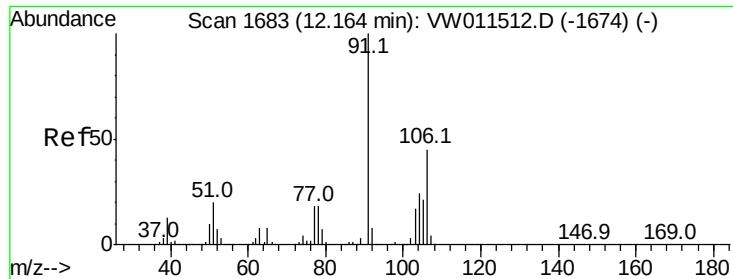
Tot Ion: 91 Resp: 562321
Ion Ratio Lower Upper
91 100
106 29.9 23.8 35.6



#68
m/p-Xylenes
Concen: 99.677 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion: 106 Resp: 408621
Ion Ratio Lower Upper
106 100
91 212.0 168.2 252.2

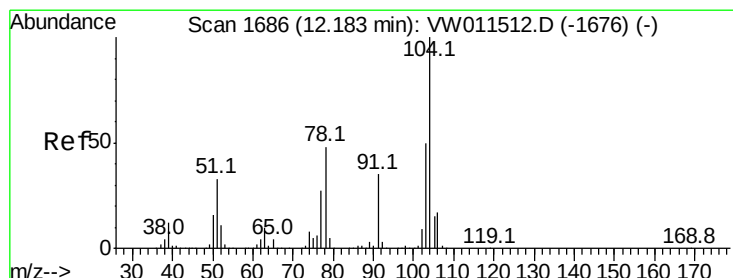
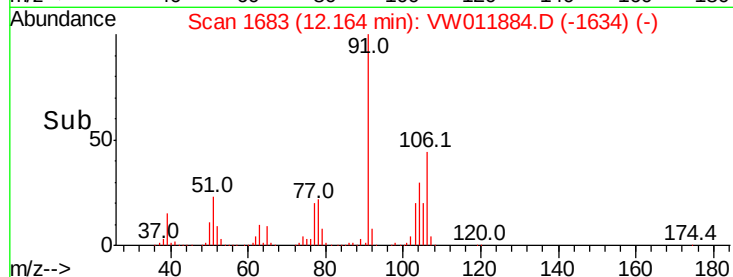
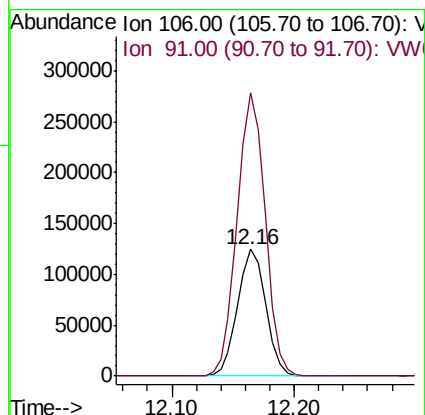
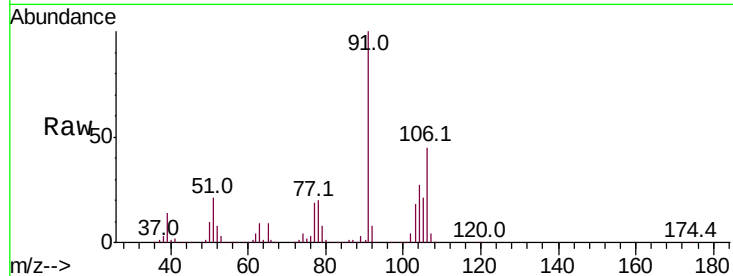




#69
o-Xylene
Concen: 52.026 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

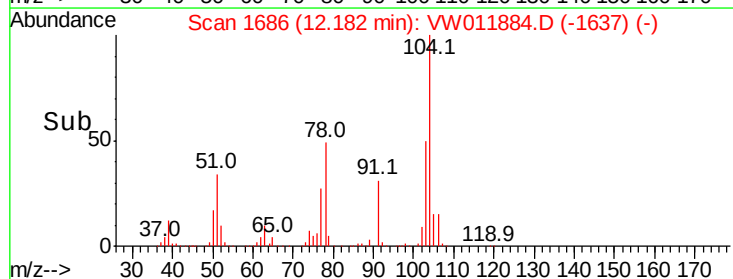
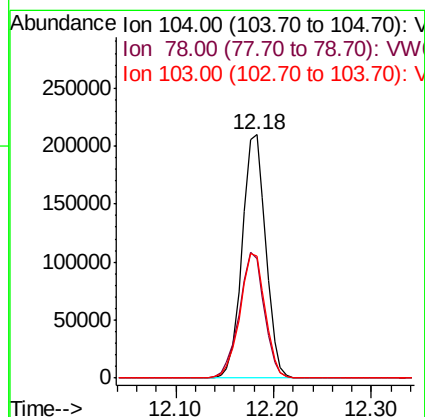
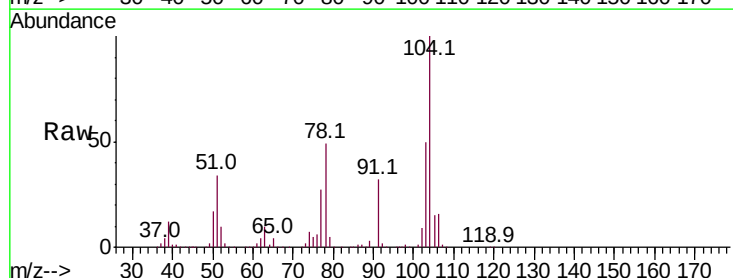
Instrument :
MSVOA_W
ClientSampled :

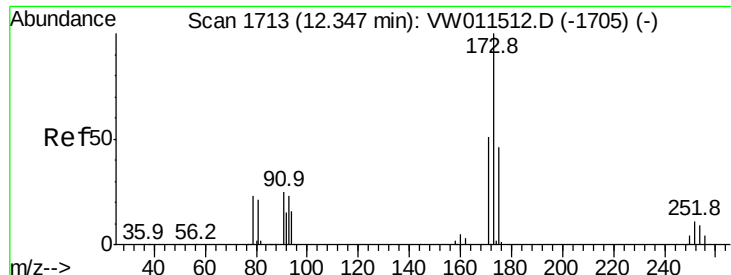
Tot Ion:106 Resp: 198190
Ion Ratio Lower Upper
106 100
91 223.1 110.5 331.5



#70
Styrene
Concen: 53.206 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion:104 Resp: 350446
Ion Ratio Lower Upper
104 100
78 54.9 43.4 65.0
103 54.9 43.9 65.9





#71

Bromoform

Concen: 59.695 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

ClientSampled :

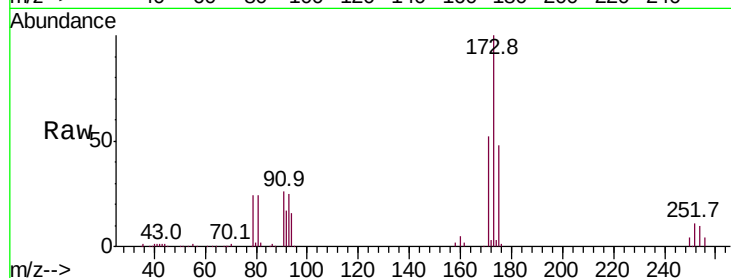
Tot Ion:173 Resp: 62748

Ion Ratio Lower Upper

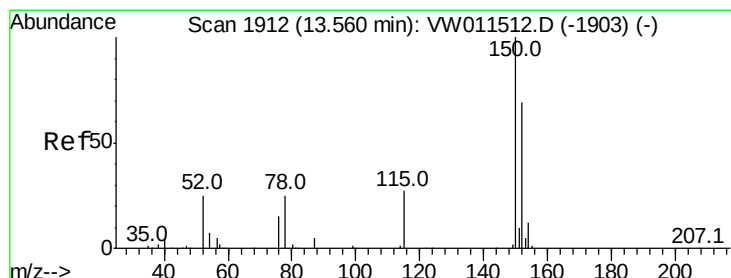
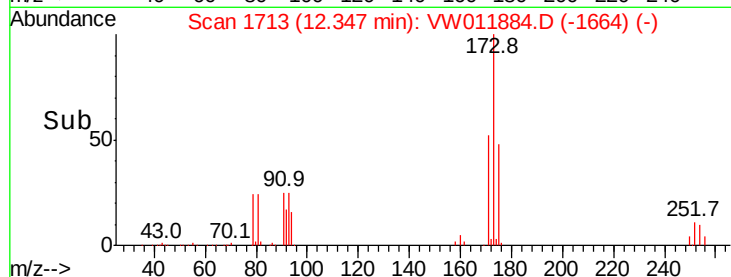
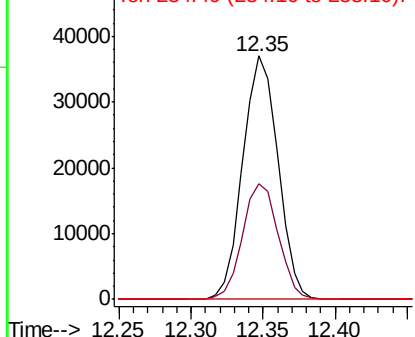
173 100

175 48.2 23.6 71.0

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

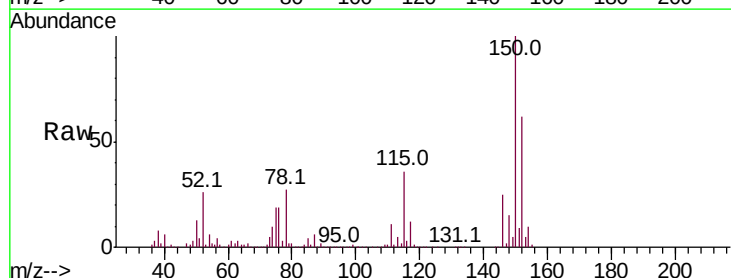
Tgt Ion:152 Resp: 146092

Ion Ratio Lower Upper

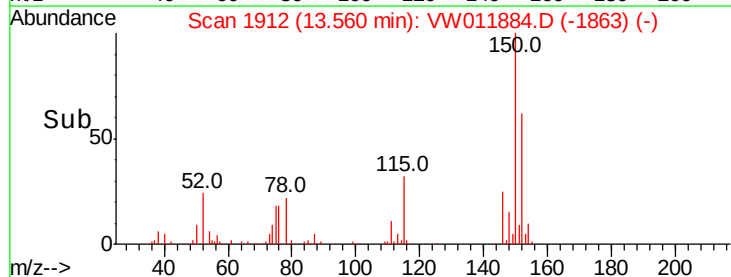
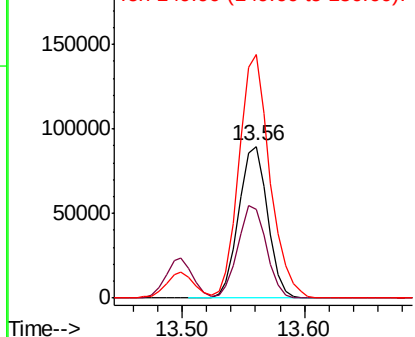
152 100

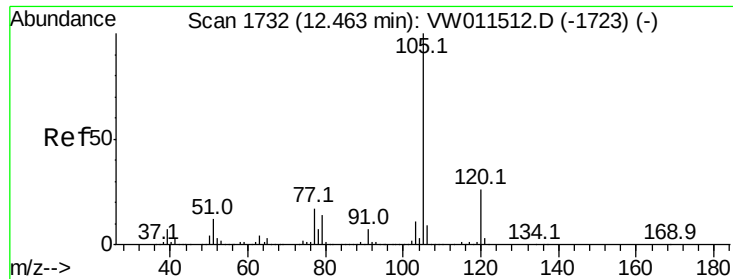
115 60.3 30.5 91.5

150 171.6 0.0 352.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.569 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

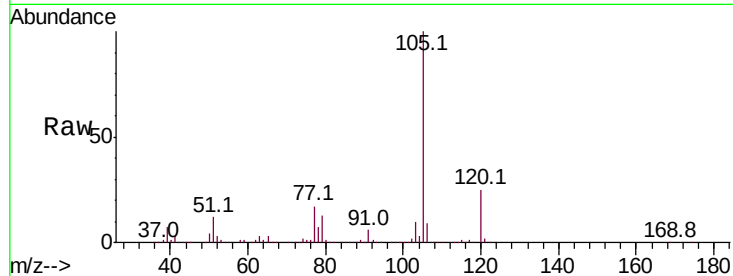
ClientSampleId :

Tot Ion:105 Resp: 518442

Ion Ratio Lower Upper

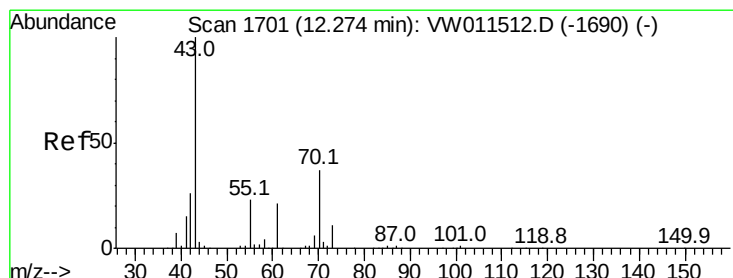
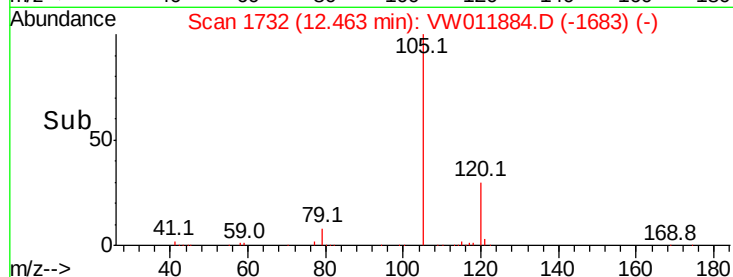
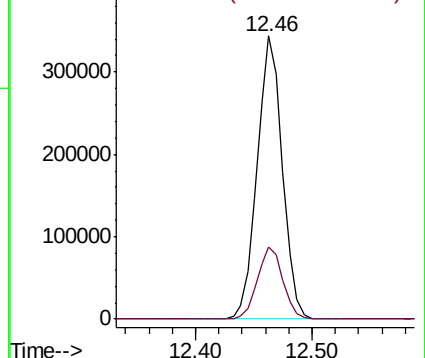
105 100

120 25.7 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 58.103 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Tgt Ion: 43 Resp: 198255

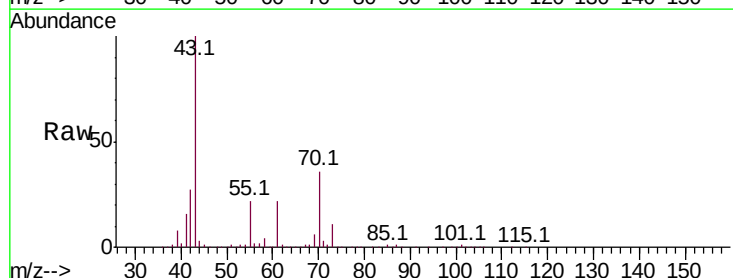
Ion Ratio Lower Upper

43 100

70 35.5 28.6 43.0

55 22.8 17.8 26.8

61 21.2 17.0 25.6

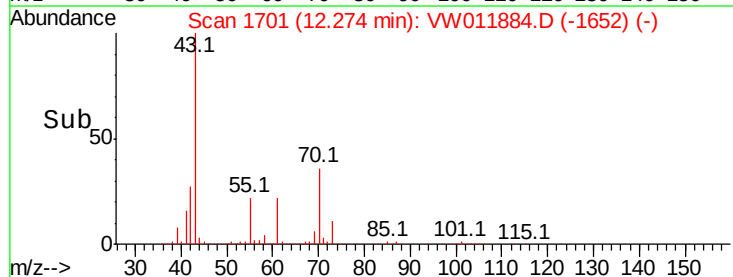
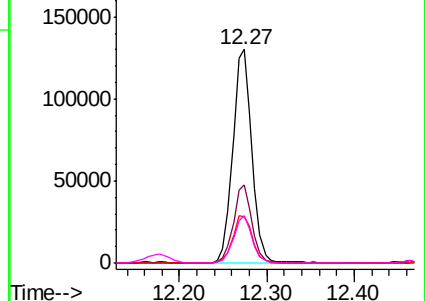


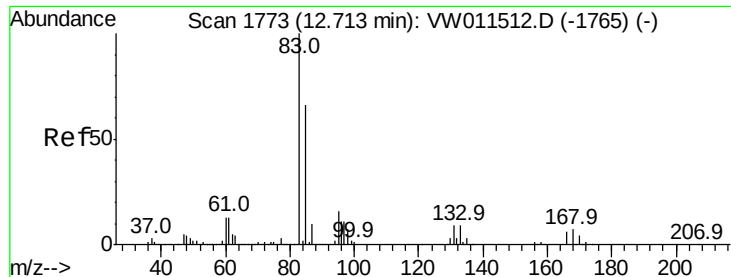
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 58.815 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

ClientSampleId :

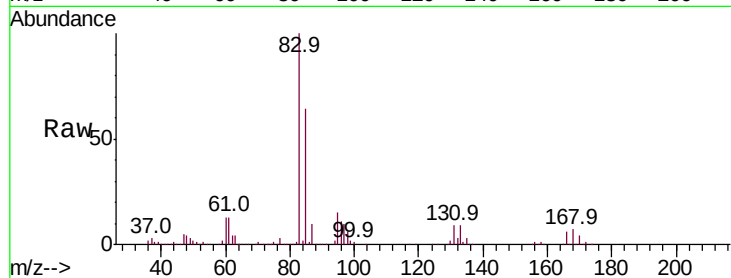
Tot Ion: 83 Resp: 120574

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.6

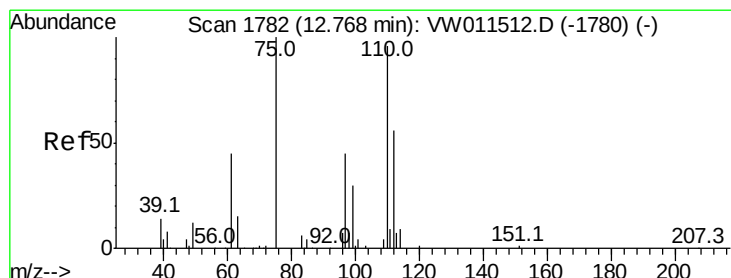
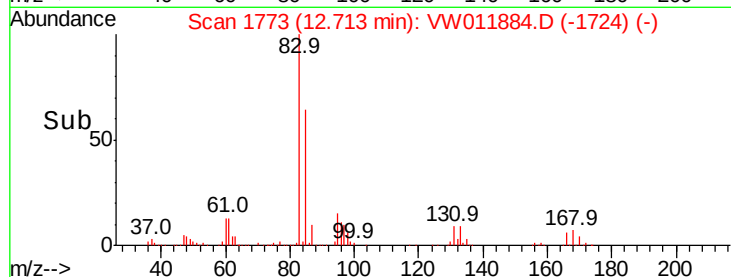
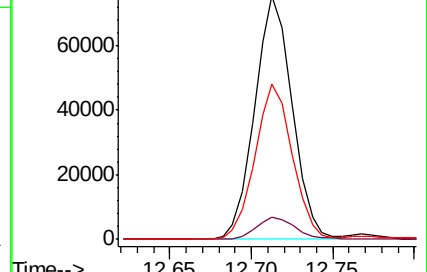
85 63.6 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 101.166 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011884.D

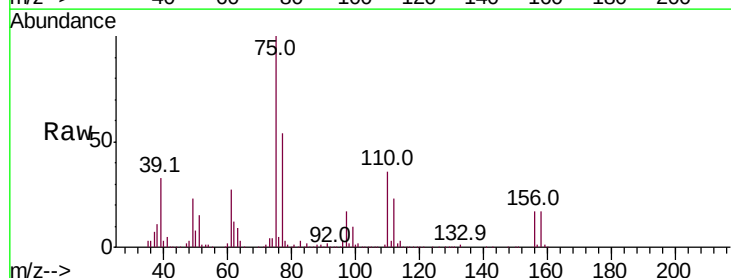
Acq: 13 Aug 2019 06:45

Tgt Ion: 75 Resp: 156384

Ion Ratio Lower Upper

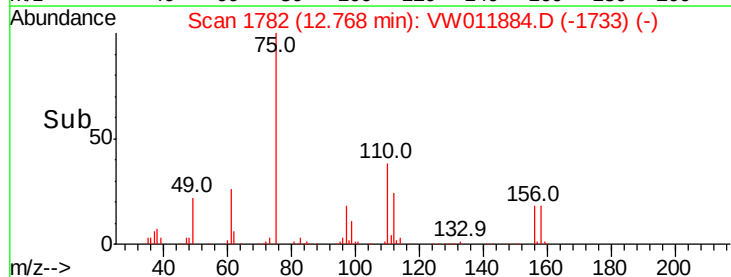
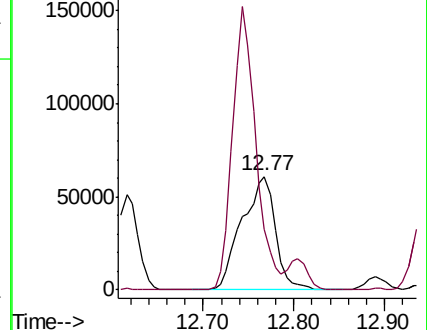
75 100

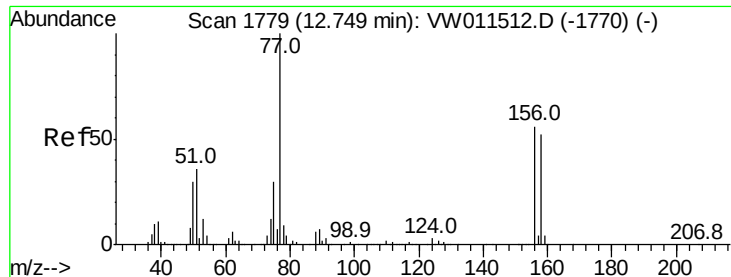
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.809 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

ClientSampleId :

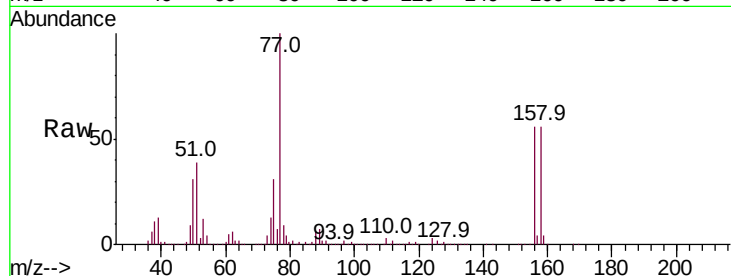
Tot Ion:156 Resp: 124806

Ion Ratio Lower Upper

156 100

77 219.0 106.5 319.4

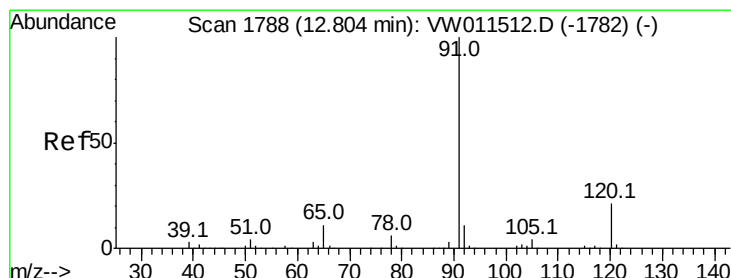
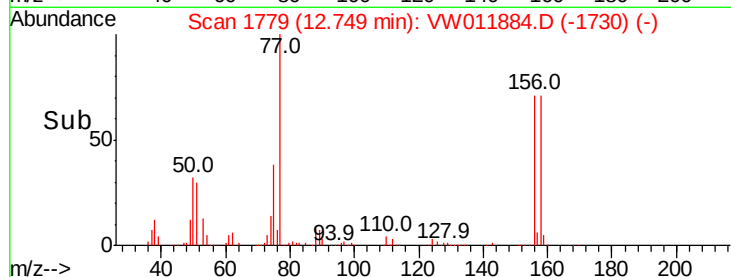
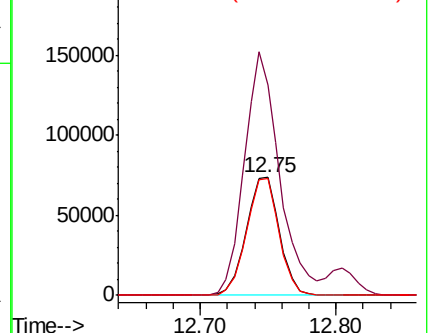
158 97.7 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): VW

Ion 157.80 (157.50 to 158.10): V



#78

n-propylbenzene

Concen: 47.749 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011884.D

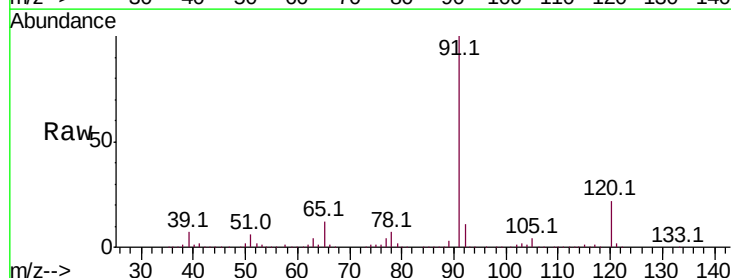
Acq: 13 Aug 2019 06:45

Tgt Ion: 91 Resp: 633343

Ion Ratio Lower Upper

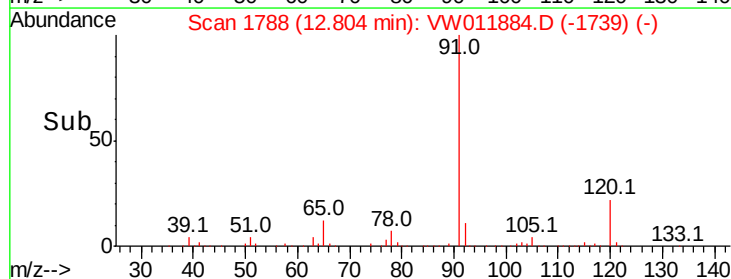
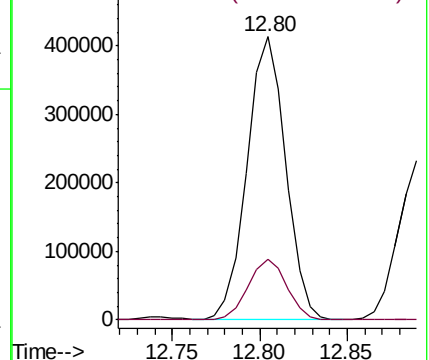
91 100

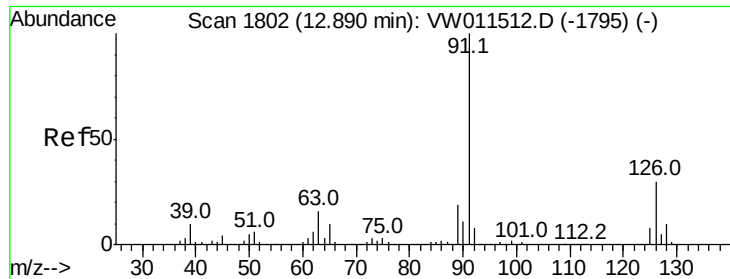
120 21.6 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.30): VW

Ion 120.00 (119.70 to 120.30): V





#79

2-Chlorotoluene

Concen: 49.474 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

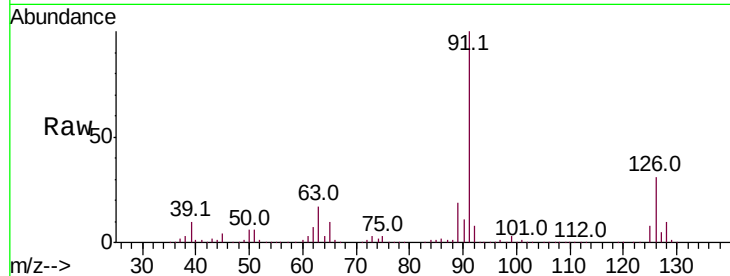
ClientSampleId :

Tot Ion: 91 Resp: 378048

Ion Ratio Lower Upper

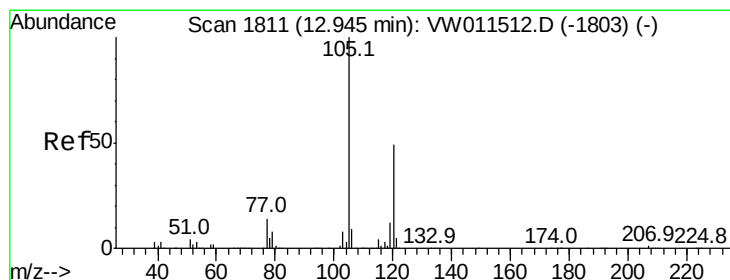
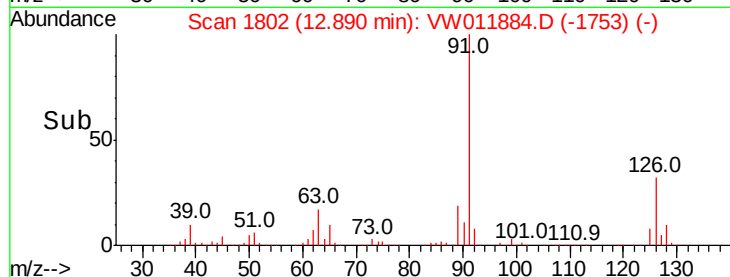
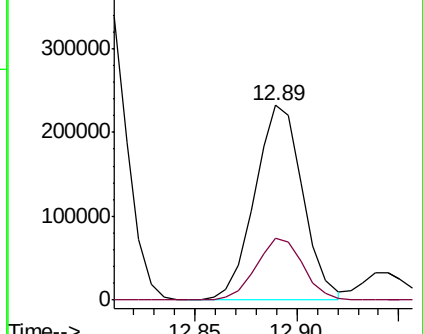
91 100

126 31.3 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.727 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011884.D

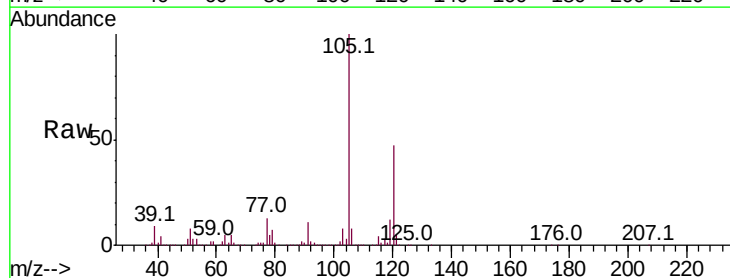
Acq: 13 Aug 2019 06:45

Tgt Ion:105 Resp: 454303

Ion Ratio Lower Upper

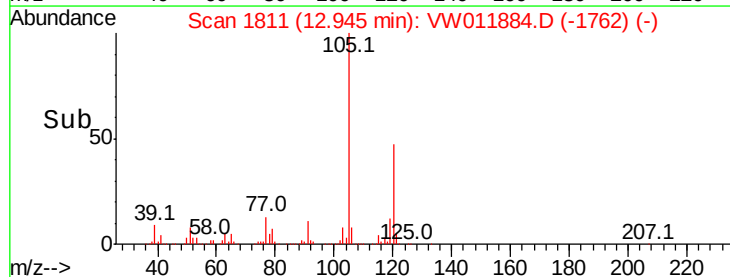
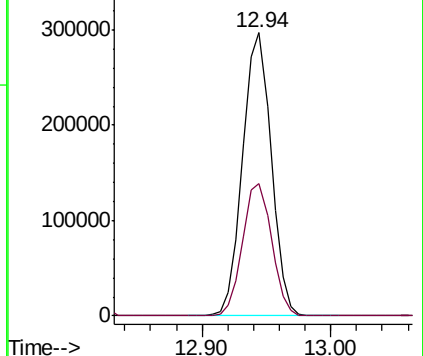
105 100

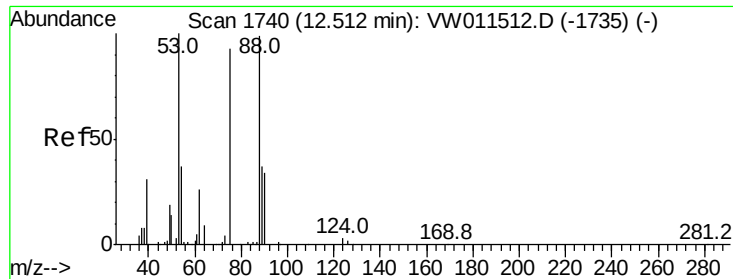
120 47.7 24.1 72.3



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: 54.957 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

ClientSampleId :

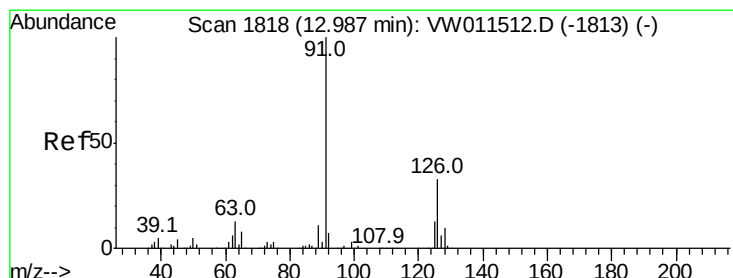
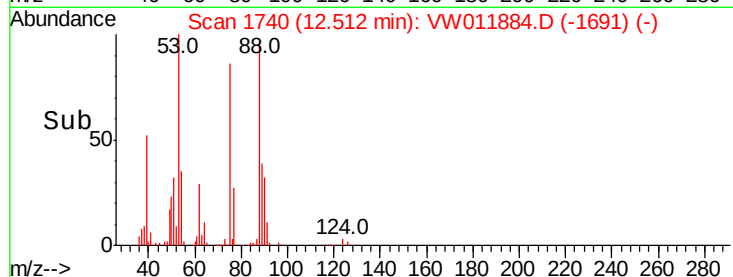
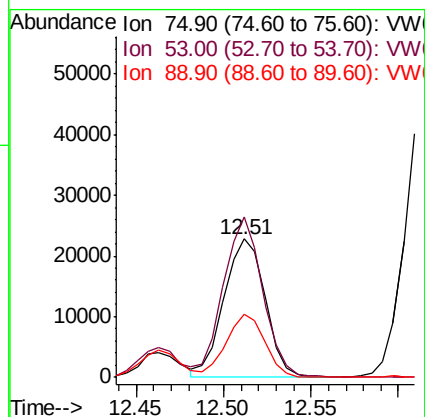
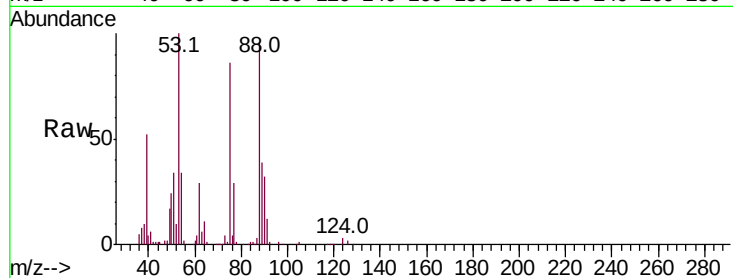
Tot Ion: 75 Resp: 36862

Ion Ratio Lower Upper

75 100

53 111.6 88.0 132.0

89 42.8 35.3 52.9



#82

4-Chlorotoluene

Concen: 49.617 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011884.D

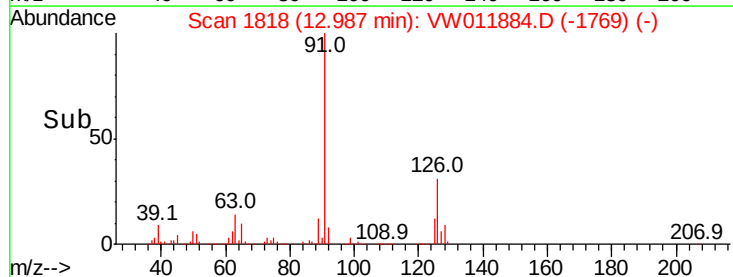
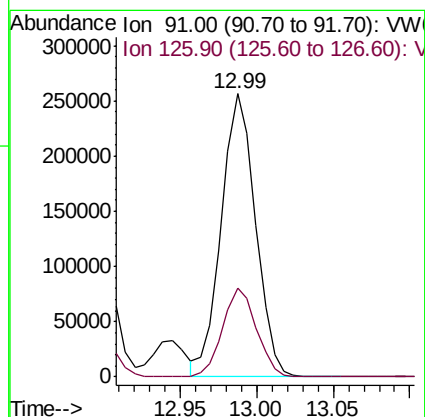
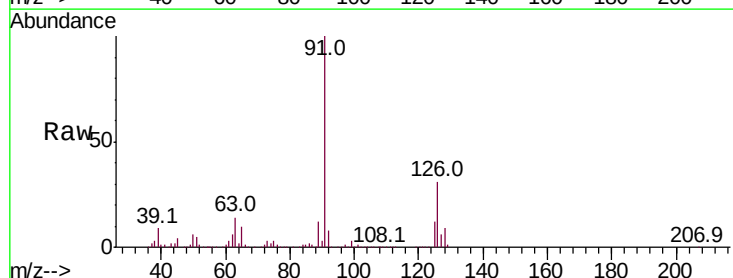
Acq: 13 Aug 2019 06:45

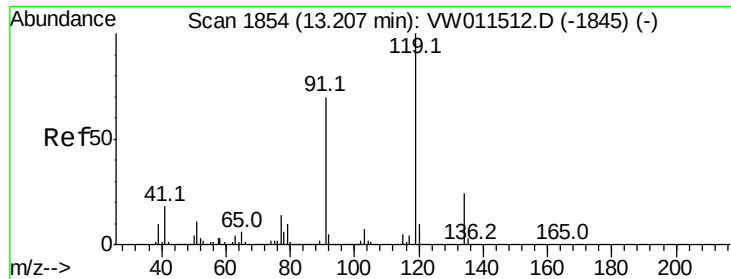
Tgt Ion: 91 Resp: 397795

Ion Ratio Lower Upper

91 100

126 31.0 15.6 46.8

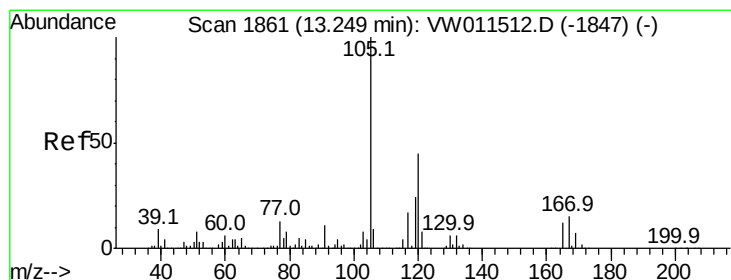
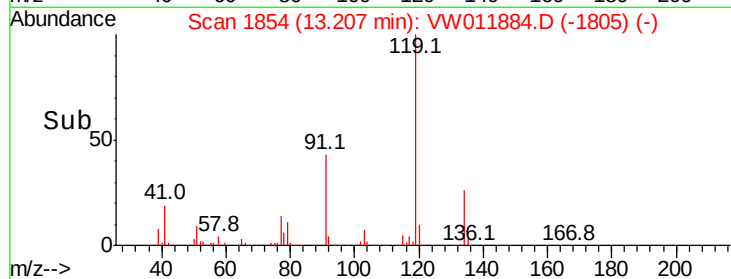
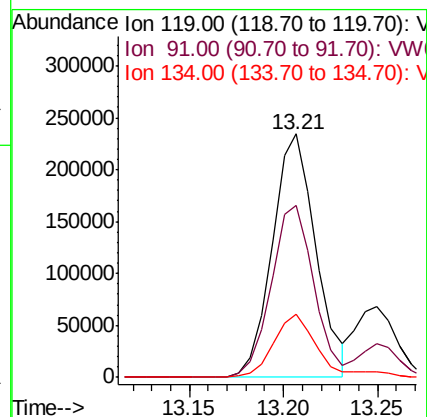
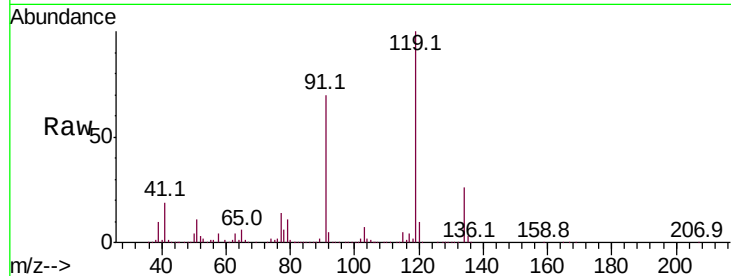




#83
 tert-Butylbenzene
 Concen: 49.186 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

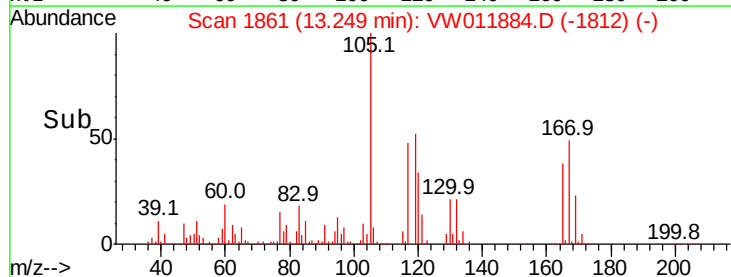
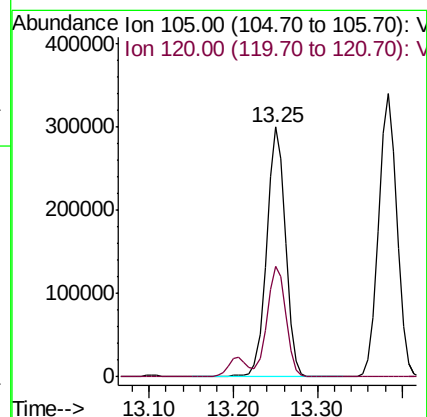
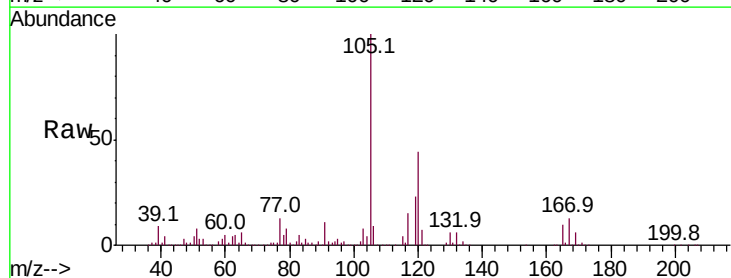
Instrument :
 MSVOA_W
 ClientSampled :

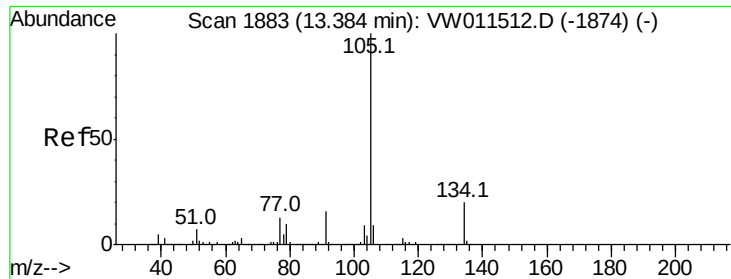
Tot Ion:119 Resp: 375774
 Ion Ratio Lower Upper
 119 100
 91 68.9 34.5 103.6
 134 25.0 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 50.221 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion:105 Resp: 462190
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.1 66.5





#85

sec-Butylbenzene

Concen: 47.358 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

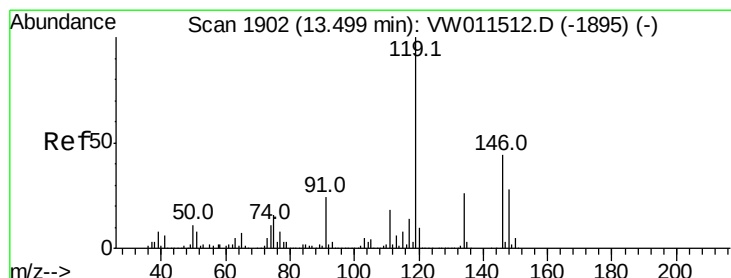
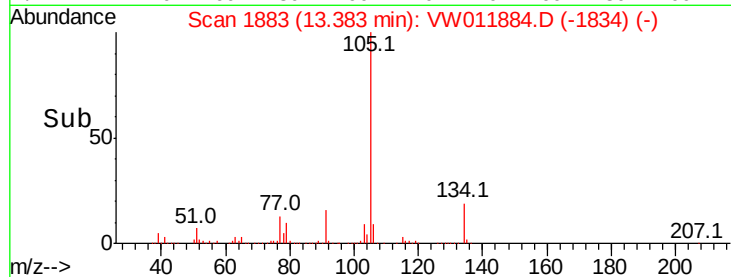
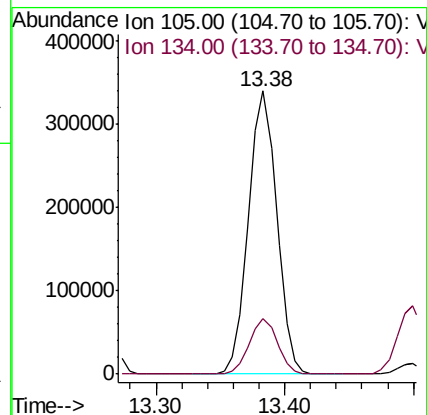
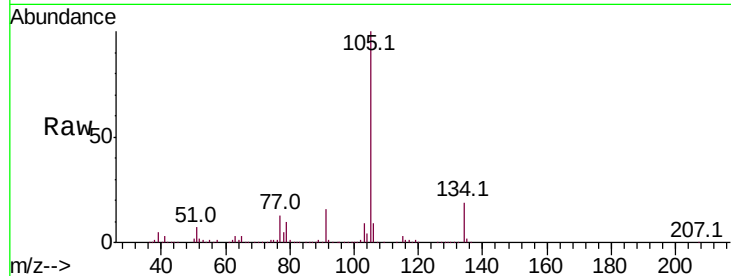
ClientSampleId :

Tot Ion:105 Resp: 516253

Ion Ratio Lower Upper

105 100

134 19.4 9.7 29.1



#86

p-Isopropyltoluene

Concen: 47.539 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

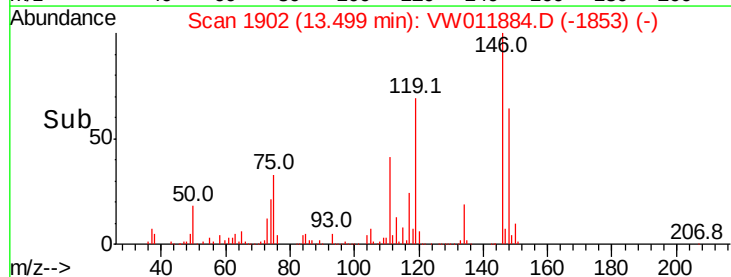
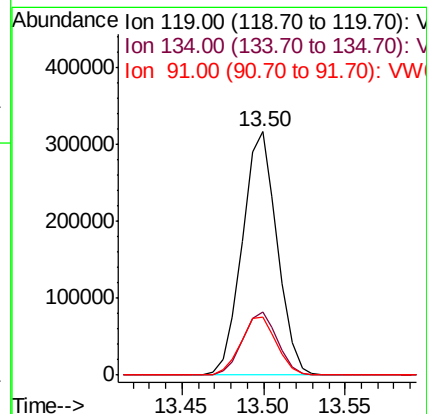
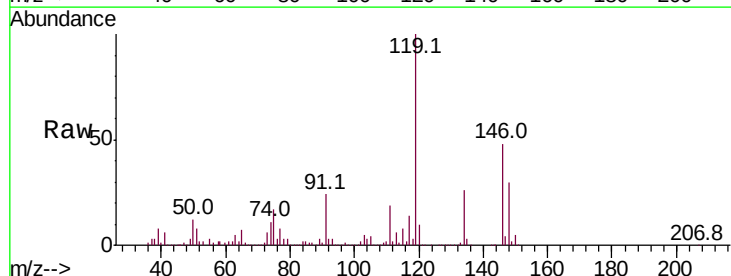
Tgt Ion:119 Resp: 470195

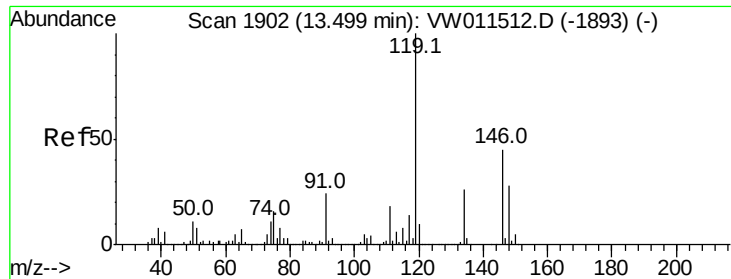
Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 24.5 12.1 36.3

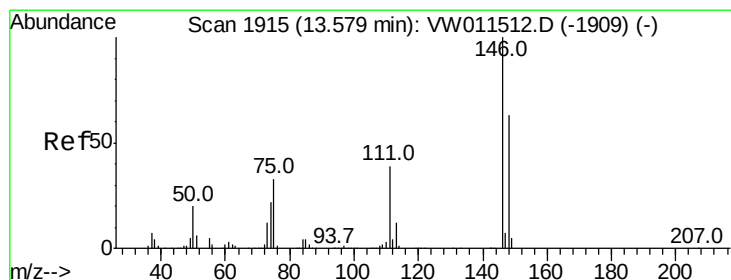
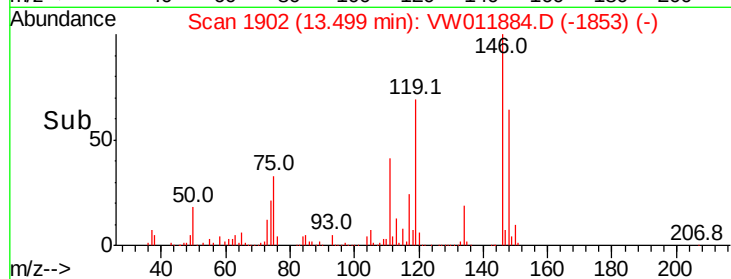
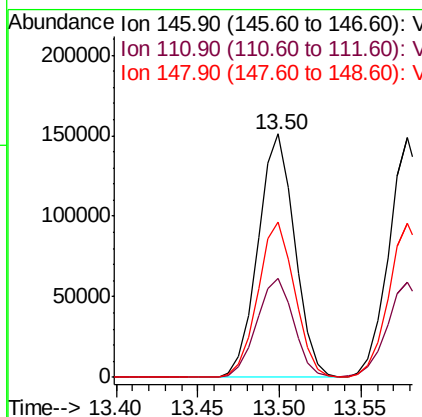
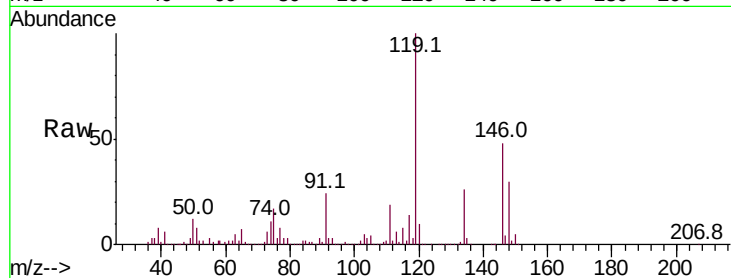




#87
 1,3-Dichlorobenzene
 Concen: 50.036 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

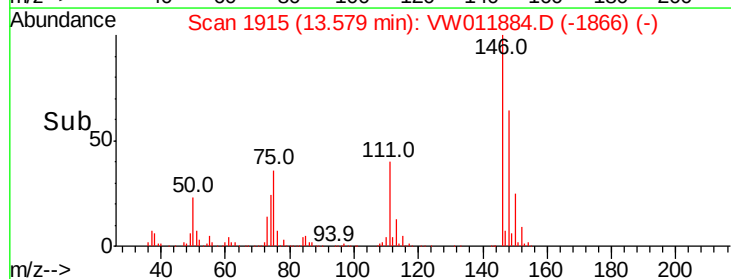
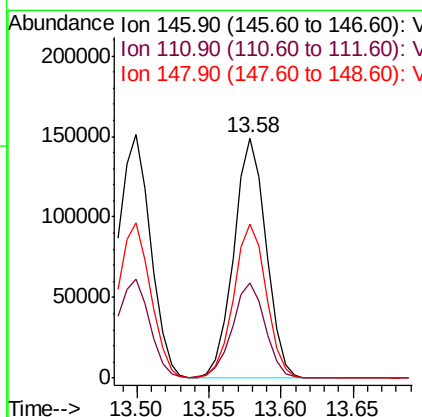
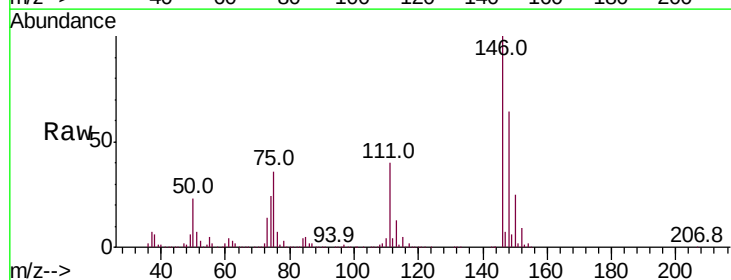
Instrument :
 MSVOA_W
 ClientSampleId :

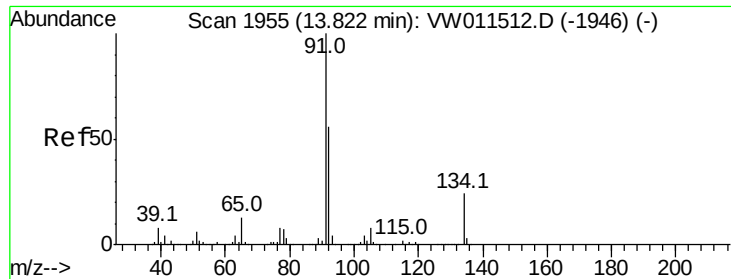
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.5	61.6
148	64.1	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 49.649 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.1	60.2
148	64.7	31.9	95.9

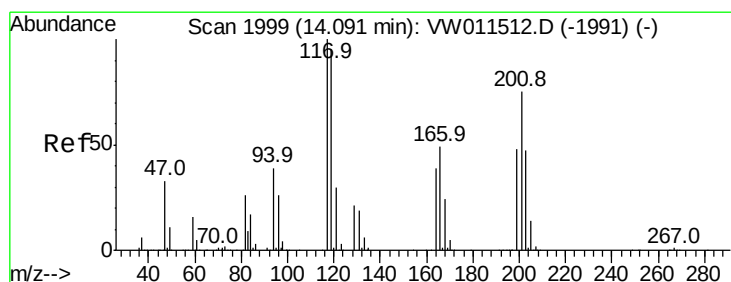
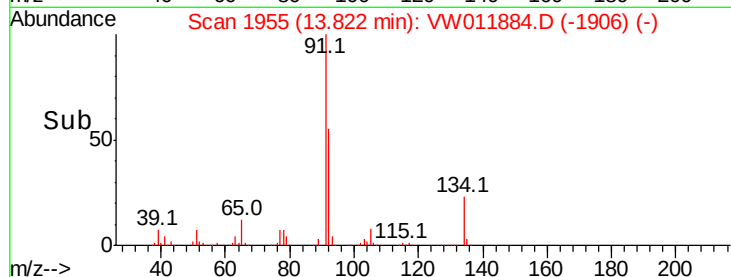
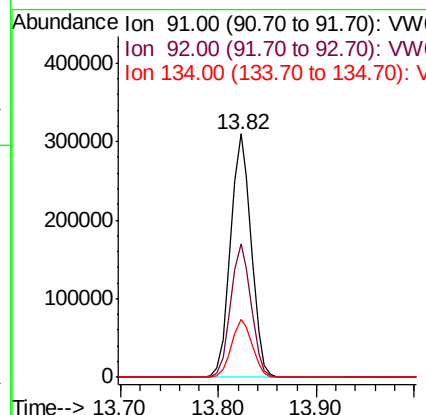
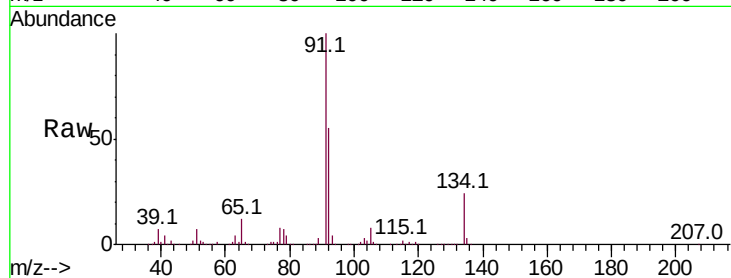




#89
n-Butylbenzene
Concen: 45.889 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

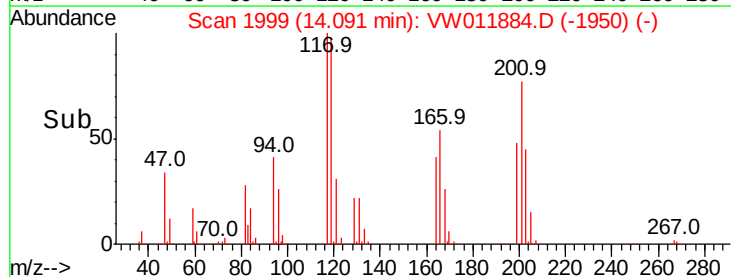
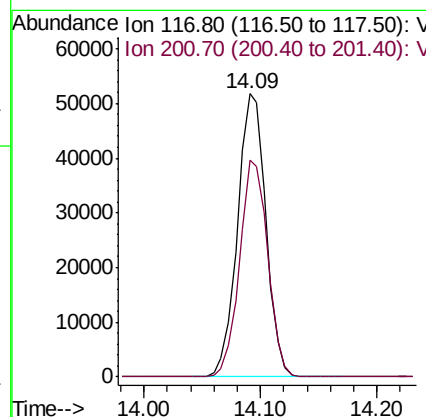
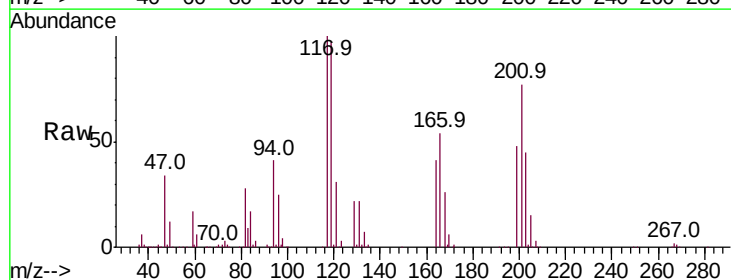
Instrument :
MSVOA_W
ClientSampleId :

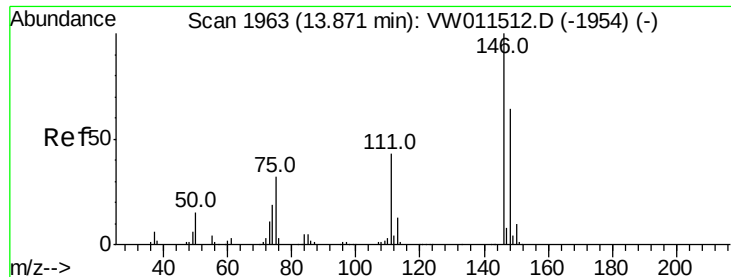
Tot Ion: 91 Resp: 452946
Ion Ratio Lower Upper
91 100
92 54.4 27.5 82.4
134 24.1 12.2 36.6



#90
Hexachloroethane
Concen: 50.250 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011884.D
Acq: 13 Aug 2019 06:45

Tgt Ion: 117 Resp: 87885
Ion Ratio Lower Upper
117 100
201 76.0 39.4 118.2

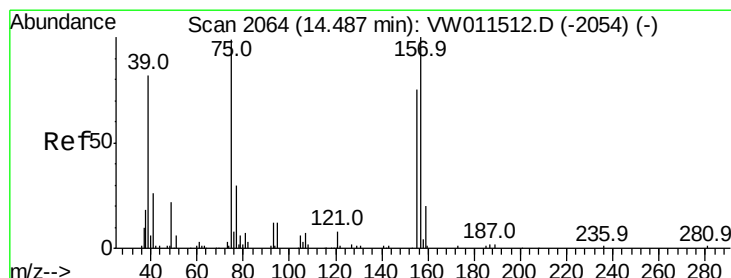
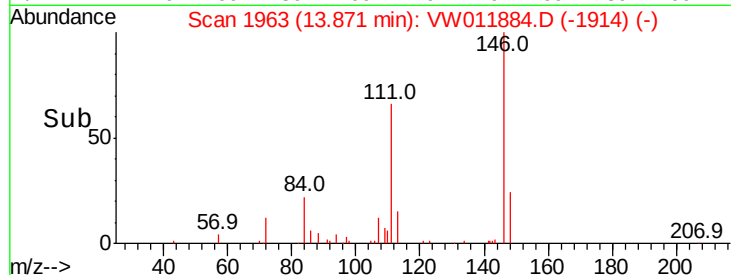
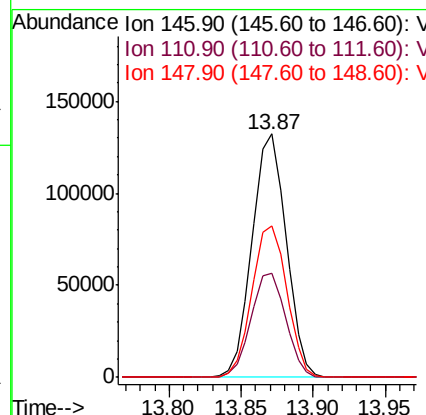
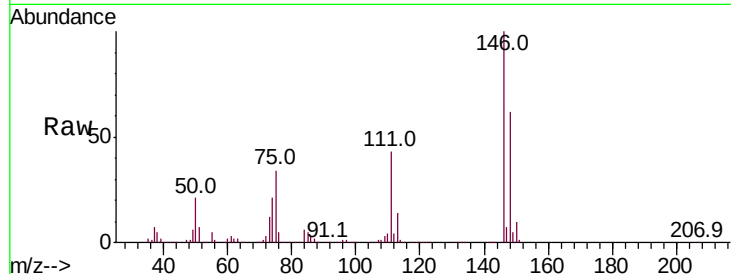




#91
 1,2-Dichlorobenzene
 Concen: 51.973 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

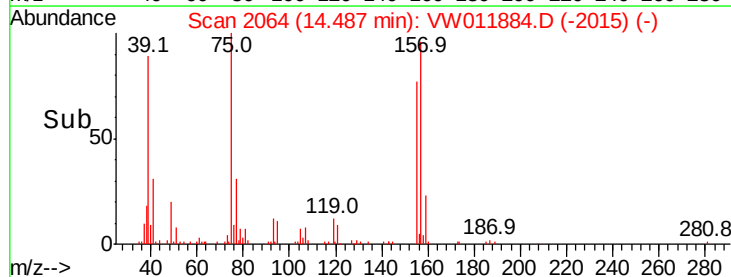
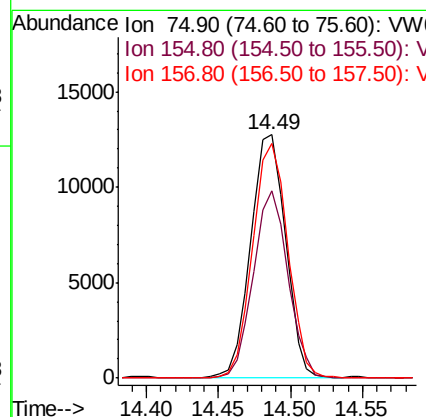
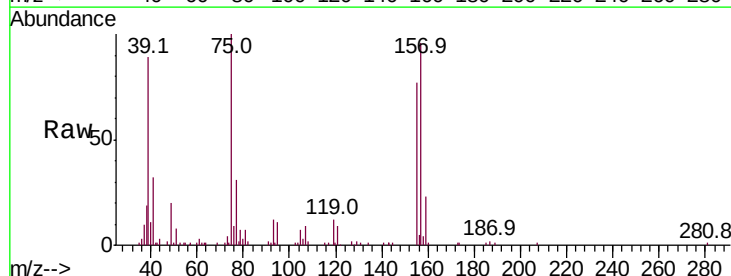
Instrument :
 MSVOA_W
 ClientSampleId :

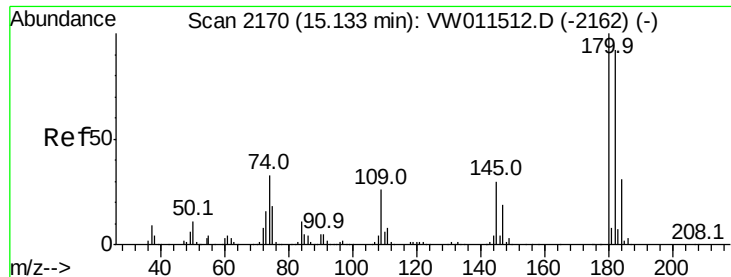
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.6	65.0
148	63.6	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.341 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.1	38.2	114.6
157	96.7	48.9	146.7

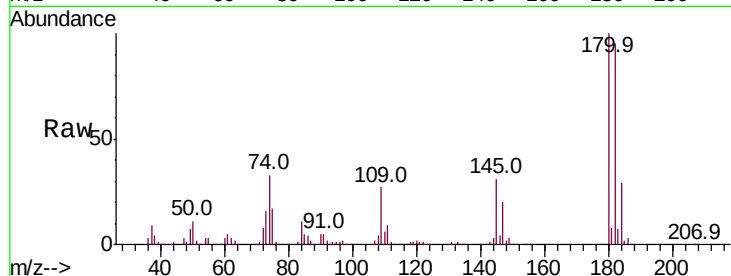




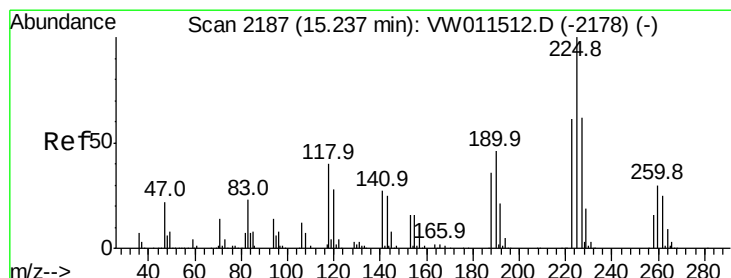
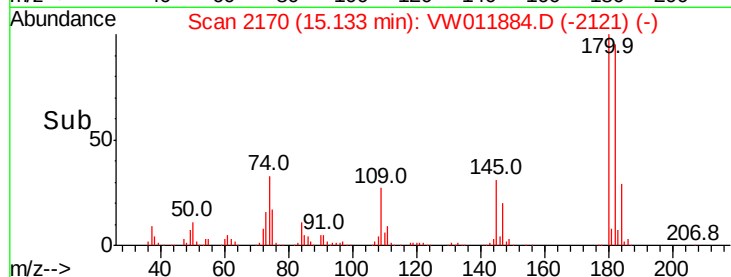
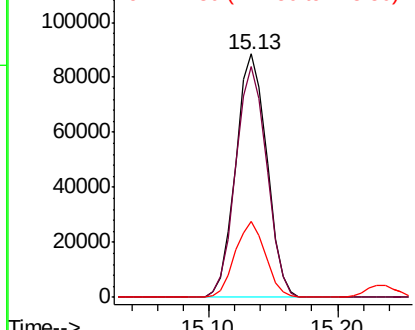
#93
 1,2,4-Trichlorobenzene
 Concen: 50.477 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.4	142.2
145	30.5	15.4	46.1

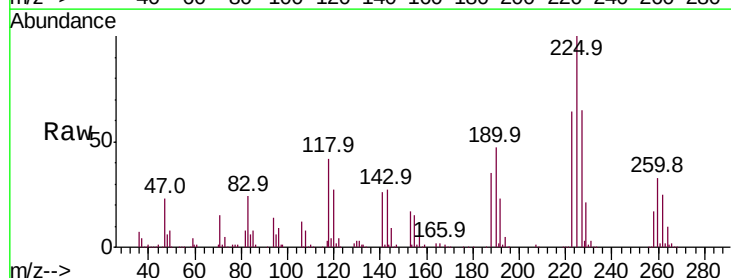


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

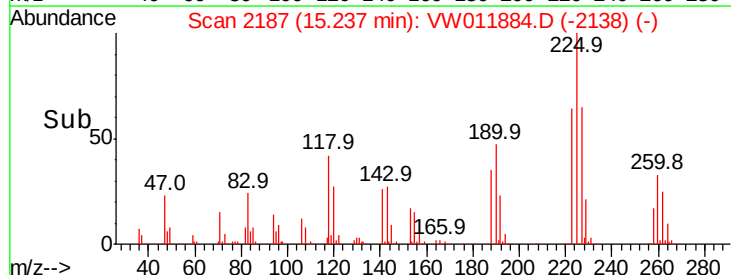
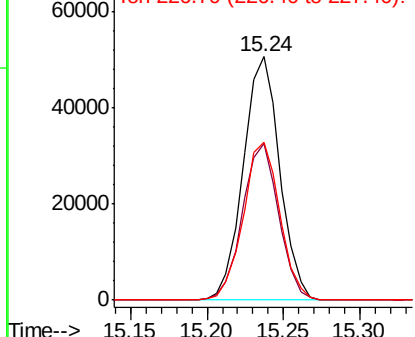


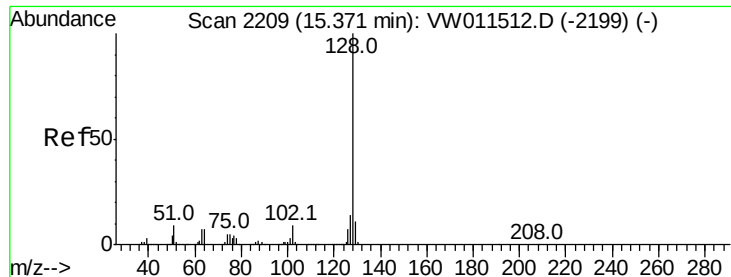
#94
 Hexachlorobutadiene
 Concen: 45.511 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011884.D
 Acq: 13 Aug 2019 06:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	30.8	92.3
227	65.0	31.6	94.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 55.207 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

Instrument :

MSVOA_W

ClientSampleId :

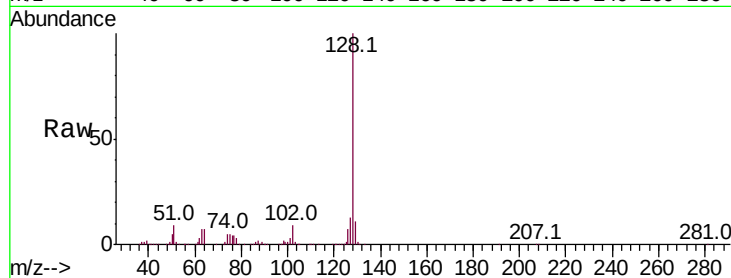
Tot Ion:128 Resp: 319696

Ion Ratio Lower Upper

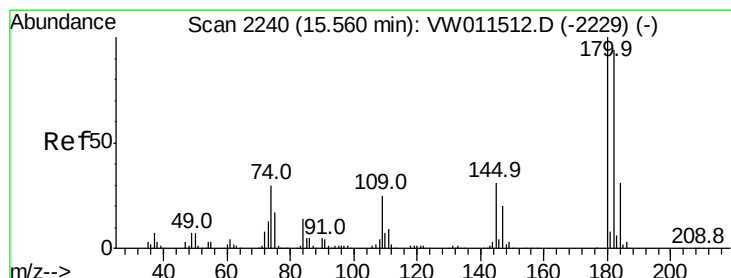
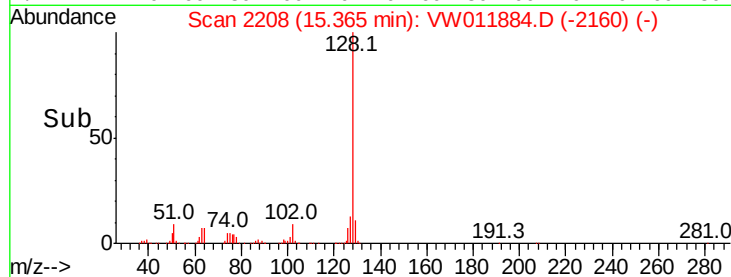
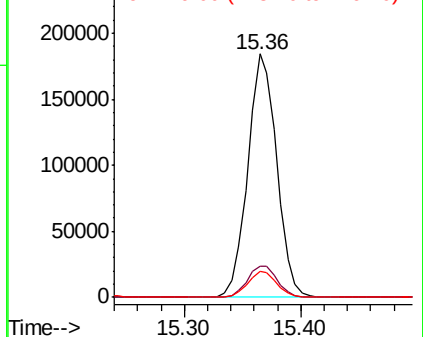
128 100

127 13.3 10.6 16.0

129 10.8 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 54.269 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW011884.D

Acq: 13 Aug 2019 06:45

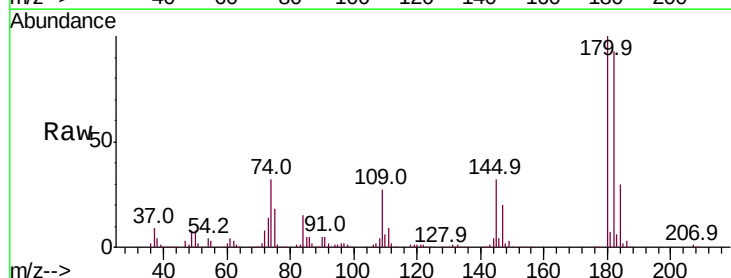
Tgt Ion:180 Resp: 140060

Ion Ratio Lower Upper

180 100

182 94.4 47.4 142.2

145 31.7 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

