

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011867.D
 Acq On : 12 Aug 2019 23:27
 Operator : SY/VA
 Sample : VW0812SBS03
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 09:23:29 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	200203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	337814	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	298855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	146350	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	134437	58.48	ug/l	0.00
Spiked Amount			Recovery	=	116.96%	
35) Dibromofluoromethane	7.88	113	105289	55.56	ug/l	0.00
Spiked Amount			Recovery	=	111.12%	
50) Toluene-d8	10.32	98	421412	54.31	ug/l	0.00
Spiked Amount			Recovery	=	108.62%	
62) 4-Bromofluorobenzene	12.61	95	151247	54.67	ug/l	0.00
Spiked Amount			Recovery	=	109.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	25014	22.419	ug/l	100
3) Chloromethane	2.21	50	42727	22.084	ug/l	97
4) Vinyl Chloride	2.35	62	48736	20.923	ug/l	99
5) Bromomethane	2.77	94	25209	19.552	ug/l	98
6) Chloroethane	2.92	64	27719	20.833	ug/l	95
7) Trichlorofluoromethane	3.25	101	21369	20.527	ug/l	92
8) Diethyl Ether	3.68	74	26714	22.633	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43527	22.042	ug/l	96
10) Methyl Iodide	4.27	142	60504	21.681	ug/l	98
11) Tert butyl alcohol	5.19	59	16389	84.819	ug/l	98
12) 1,1-Dichloroethene	4.04	96	43472	20.850	ug/l	97
13) Acrolein	3.90	56	12492	75.731	ug/l	99
14) Allyl chloride	4.67	41	95450	21.524	ug/l	98
15) Acrylonitrile	5.37	53	66906	113.556	ug/l	99
16) Acetone	4.13	43	58654	80.208	ug/l	99
17) Carbon Disulfide	4.38	76	134729	20.646	ug/l	100
18) Methyl Acetate	4.67	43	43026	26.191	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	76926	23.250	ug/l	98
20) Methylene Chloride	4.92	84	56508	22.406	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	49624	22.076	ug/l	98
22) Diisopropyl ether	6.31	45	193212	23.109	ug/l	99
23) Vinyl Acetate	6.25	43	569384	108.379	ug/l	100
24) 1,1-Dichloroethane	6.21	63	101007	22.557	ug/l	98
25) 2-Butanone	7.17	43	91930	96.072	ug/l	100
26) 2,2-Dichloropropane	7.16	77	51014	18.525	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	54075	21.857	ug/l	99
28) Bromochloromethane	7.51	49	50370	25.343	ug/l	99
29) Tetrahydrofuran	7.53	42	60544	110.691	ug/l	99
30) Chloroform	7.68	83	95655	23.155	ug/l	96
31) Cyclohexane	7.95	56	88834	20.667	ug/l	# 95
32) 1,1,1-Trichloroethane	7.87	97	71548	22.742	ug/l	99
36) 1,1-Dichloropropene	8.08	75	73461	20.913	ug/l	99
37) Ethyl Acetate	7.25	43	43095	21.324	ug/l	99
38) Carbon Tetrachloride	8.07	117	63978	21.276	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)
39) Methylcyclohexane	9.34	83	78891	20.397	ug/l	98
40) Benzene	8.32	78	213460	21.695	ug/l	99
41) Methacrylonitrile	7.48	41	27499	22.763	ug/l	97
42) 1,2-Dichloroethane	8.40	62	70362	22.841	ug/l	100
43) Isopropyl Acetate	8.42	43	80808	21.742	ug/l	99
44) Trichloroethene	9.09	130	49277	20.838	ug/l	100
45) 1,2-Dichloropropane	9.37	63	58352	22.165	ug/l	100
46) Dibromomethane	9.46	93	26624	22.158	ug/l	99
47) Bromodichloromethane	9.65	83	70073	22.232	ug/l	98
48) Methyl methacrylate	9.43	41	38639	21.643	ug/l	99
49) 1,4-Dioxane	9.46	88	7880	452.923	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	210445	108.858	ug/l	99
52) Toluene	10.39	92	129881	21.859	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	68725	20.873	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	80994	20.689	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	37645	22.081	ug/l	97
56) Ethyl methacrylate	10.65	69	53491	21.441	ug/l	97
57) 1,3-Dichloropropane	10.93	76	70653	21.905	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	148030	130.686	ug/l	99
59) 2-Hexanone	10.97	43	138967	101.810	ug/l	99
60) Dibromochloromethane	11.13	129	41054	21.694	ug/l	100
61) 1,2-Dibromoethane	11.24	107	34627	21.463	ug/l	97
64) Tetrachloroethene	10.86	164	42356	21.767	ug/l	96
65) Chlorobenzene	11.66	112	128707	21.421	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	45901	21.932	ug/l	99
67) Ethyl Benzene	11.73	91	243624	21.290	ug/l	97
68) m/p-Xylenes	11.84	106	175874	42.262	ug/l	99
69) o-Xylene	12.16	106	82912	21.440	ug/l	99
70) Styrene	12.18	104	142559	21.321	ug/l	99
71) Bromoform	12.35	173	23642	22.156	ug/l #	100
73) Isopropylbenzene	12.46	105	227927	20.876	ug/l	100
74) N-amyl acetate	12.27	43	72144	21.106	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	45512	22.161	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	59350	38.326	ug/l #	100
77) Bromobenzene	12.74	156	51407	21.302	ug/l	98
78) n-propylbenzene	12.80	91	278003	20.922	ug/l	99
79) 2-Chlorotoluene	12.89	91	160630	20.984	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	194091	21.207	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13643	20.304	ug/l	96
82) 4-Chlorotoluene	12.99	91	169601	21.117	ug/l	100
83) tert-Butylbenzene	13.21	119	163664	21.385	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	195793	21.237	ug/l	99
85) sec-Butylbenzene	13.38	105	227057	20.792	ug/l	99
86) p-Isopropyltoluene	13.50	119	206966	20.888	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	98979	20.918	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	97030	20.614	ug/l	97
89) n-Butylbenzene	13.82	91	195081	19.729	ug/l	98
90) Hexachloroethane	14.09	117	37388	21.340	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	86801	20.741	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7460	21.302	ug/l	99

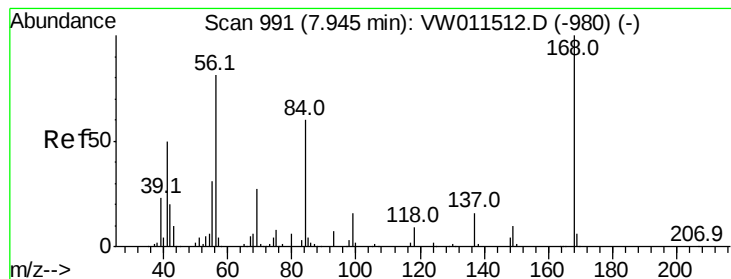
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	57542	19.509	ug/l	99
94) Hexachlorobutadiene	15.24	225	38039	20.681	ug/l	98
95) Naphthalene	15.37	128	109744	20.276	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	52338	20.244	ug/l	98

(#) = 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: VW011867.D

Acq: 12 Aug 2019 23:27

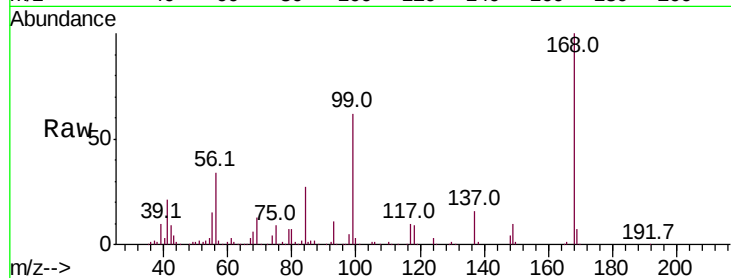
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 200203

Ion Ratio Lower Upper

168 100

99 62.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

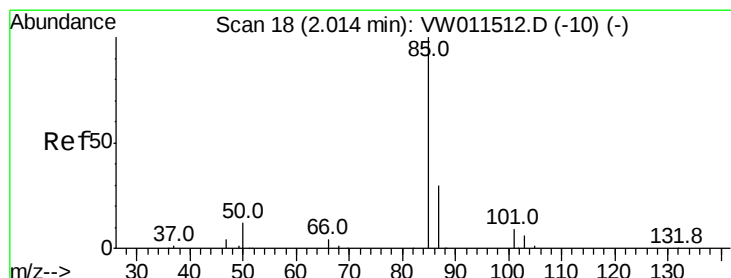
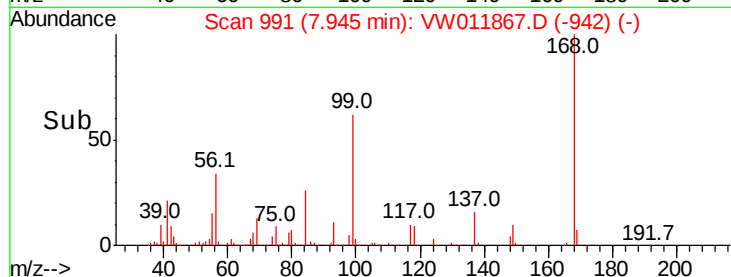
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.419 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011867.D

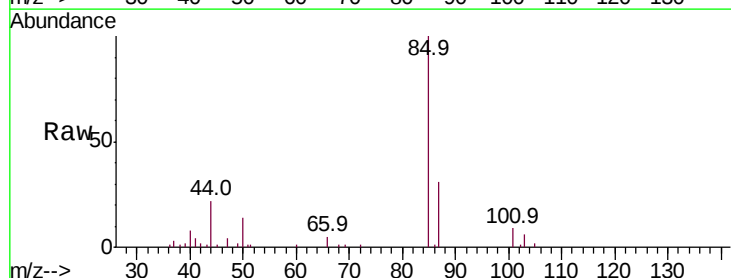
Acq: 12 Aug 2019 23:27

Tgt Ion: 85 Resp: 25014

Ion Ratio Lower Upper

85 100

87 30.6 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

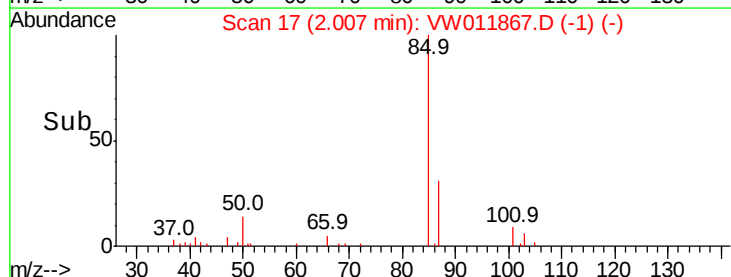
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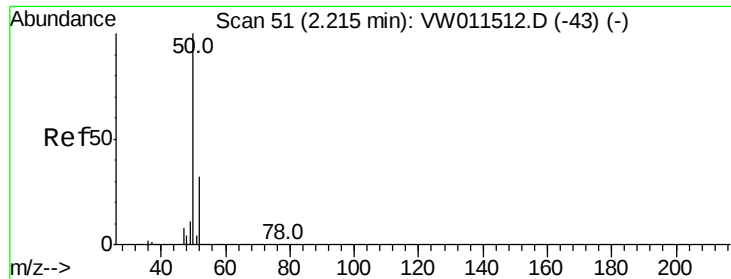
2000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 22.084 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

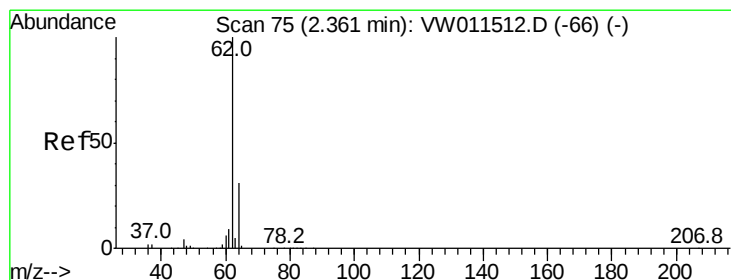
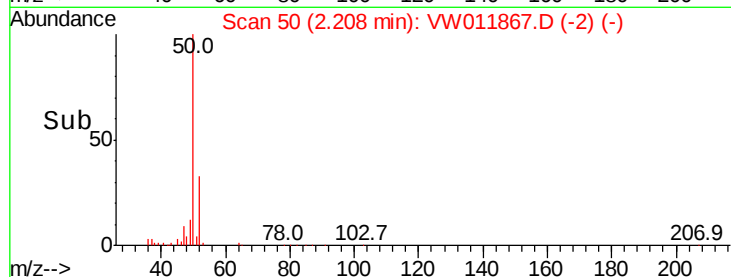
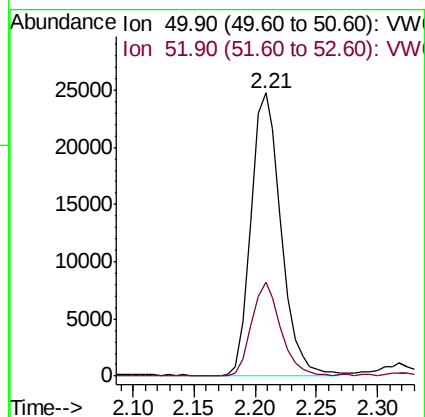
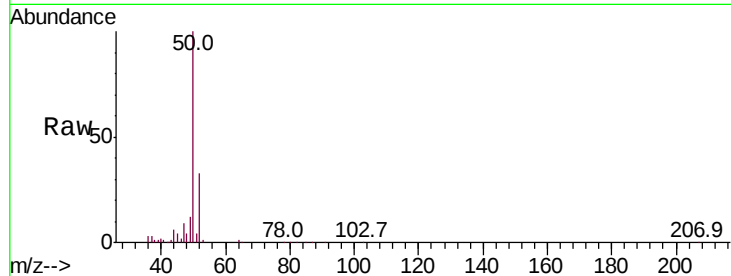
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 50 Resp: 42727

Ion Ratio Lower Upper

50 100

52 33.3 25.4 38.2



#4

Vinyl Chloride

Concen: 20.923 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011867.D

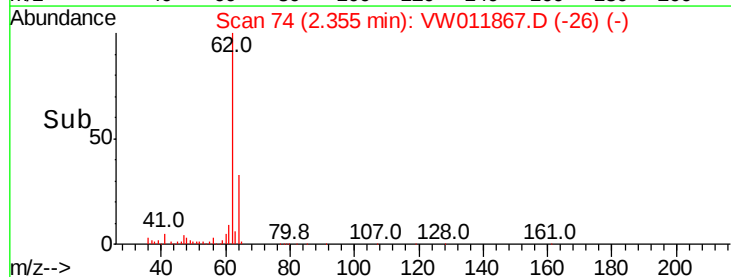
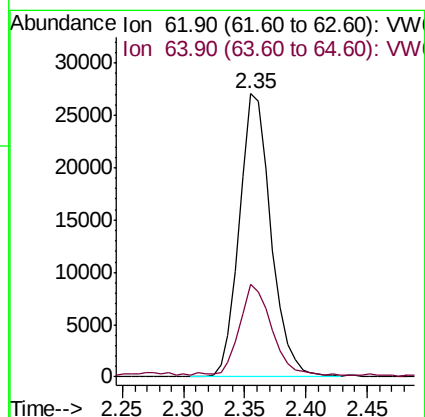
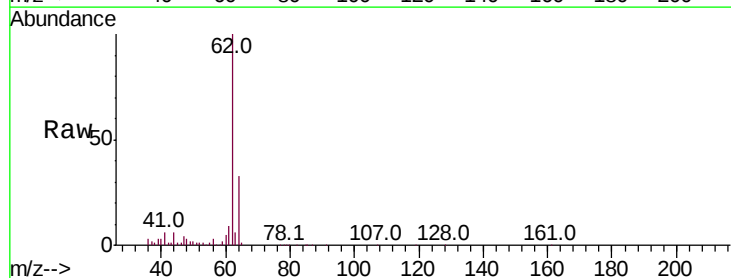
Acq: 12 Aug 2019 23:27

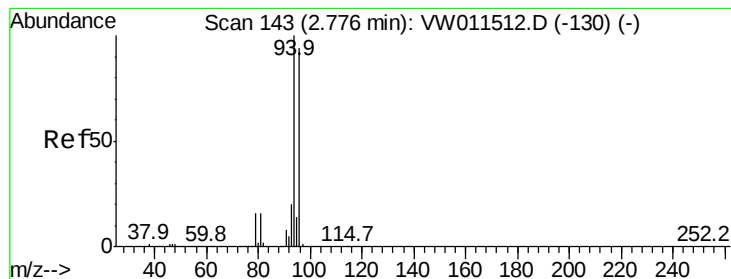
Tgt Ion: 62 Resp: 48736

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.4





#5

Bromomethane

Concen: 19.552 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA_W

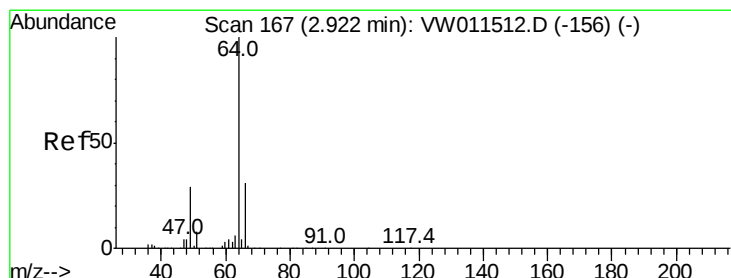
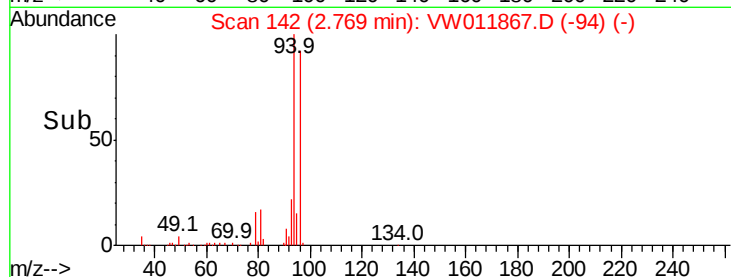
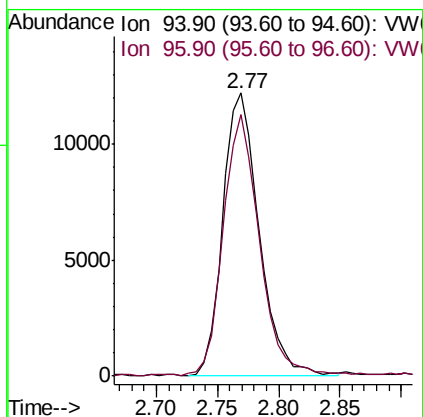
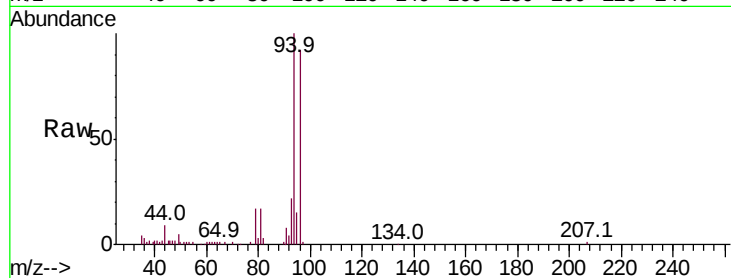
ClientSampled :

Tot Ion: 94 Resp: 25209

Ion Ratio Lower Upper

94 100

96 91.6 75.0 112.6



#6

Chloroethane

Concen: 20.833 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011867.D

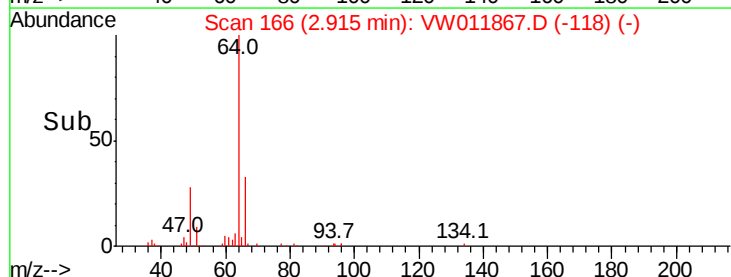
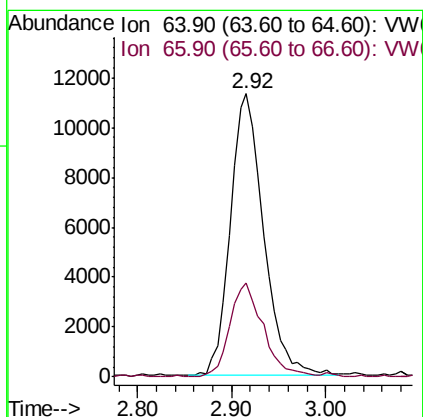
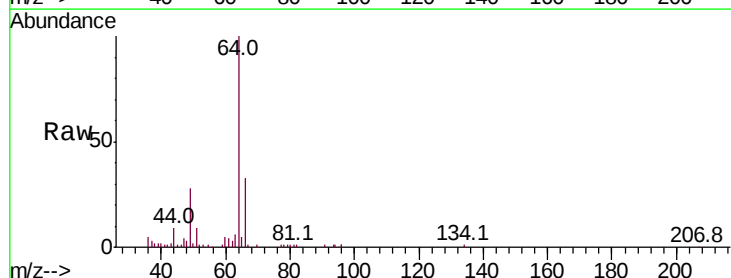
Acq: 12 Aug 2019 23:27

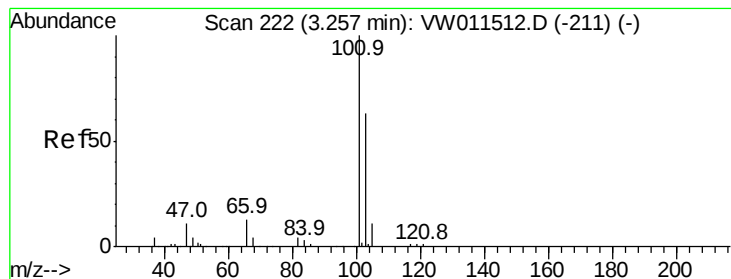
Tgt Ion: 64 Resp: 27719

Ion Ratio Lower Upper

64 100

66 33.5 24.6 36.8



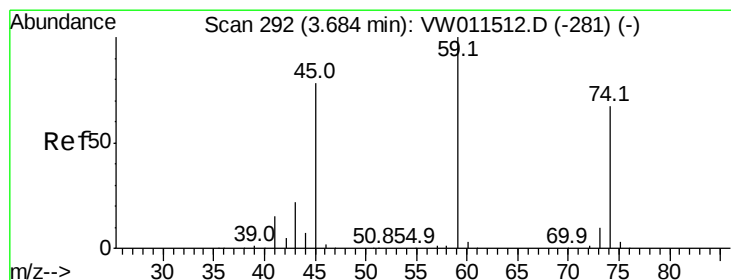
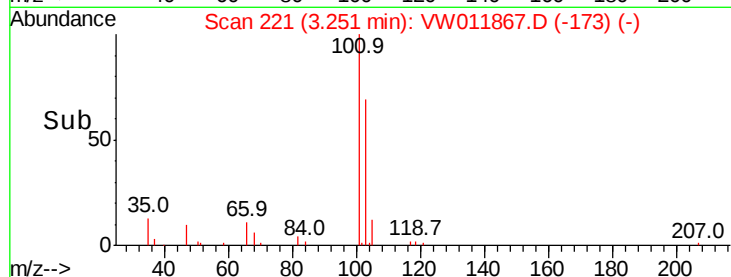
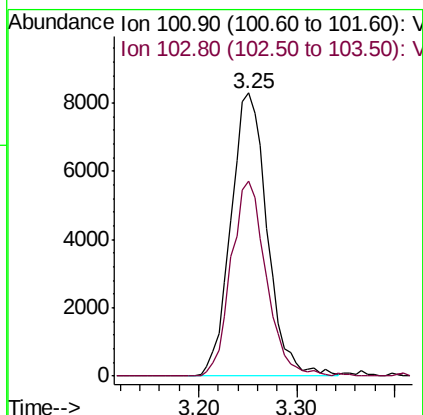
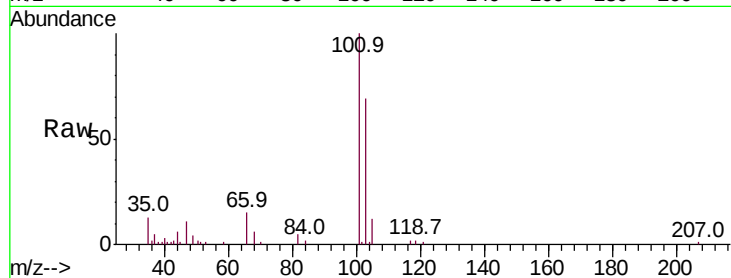


#7

Trichlorofluoromethane
Concen: 20.527 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

Instrument :
MSVOA_W
ClientSampleId :

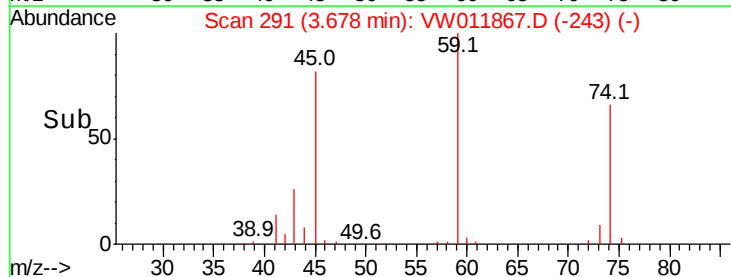
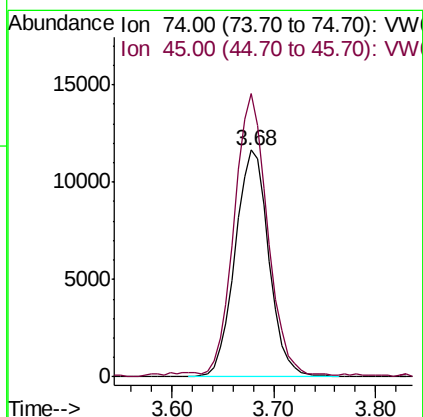
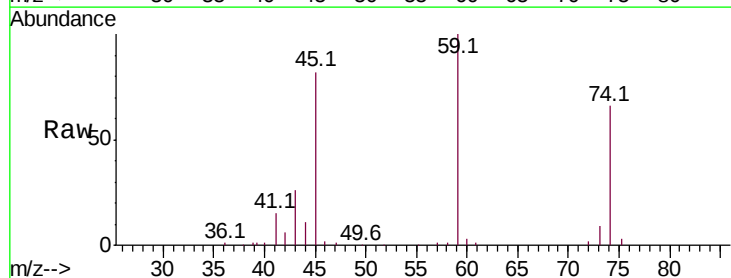
Tot Ion:101 Resp: 21369
Ion Ratio Lower Upper
101 100
103 68.9 50.2 75.4

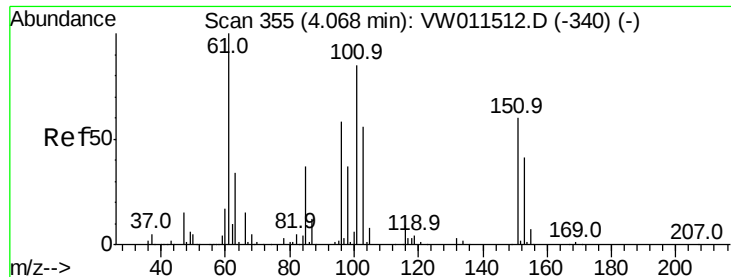


#8

Diethyl Ether
Concen: 22.633 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

Tgt Ion: 74 Resp: 26714
Ion Ratio Lower Upper
74 100
45 123.0 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.042 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA_W

ClientSampleId :

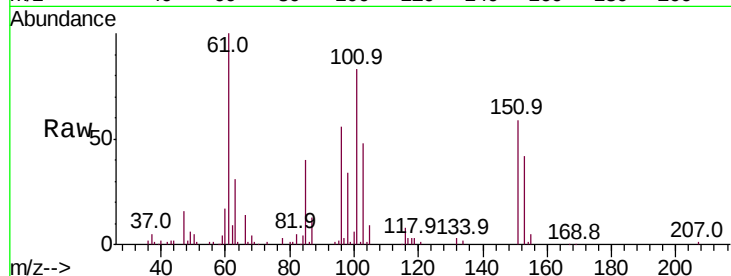
Tot Ion:101 Resp: 43527

Ion Ratio Lower Upper

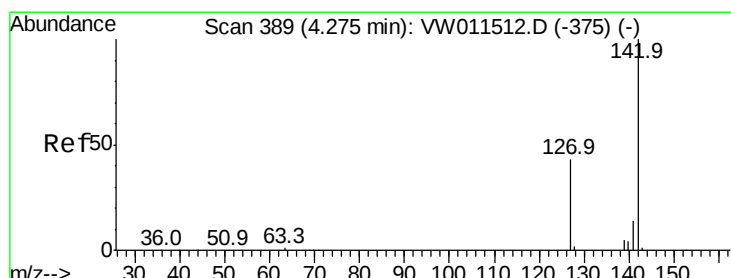
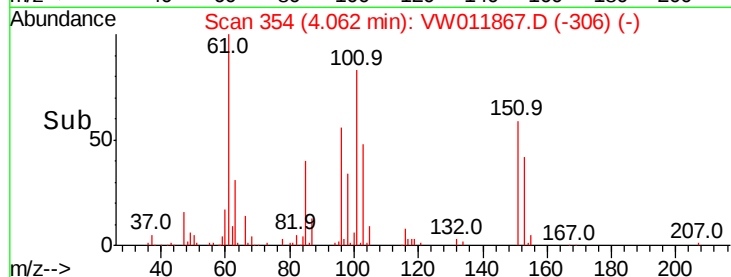
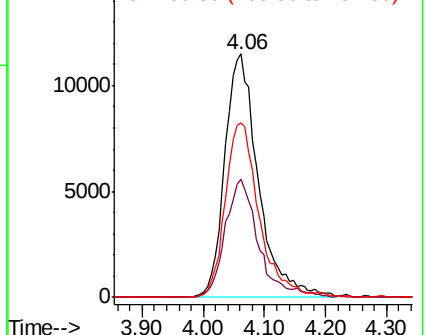
101 100

85 47.9 36.6 54.8

151 71.4 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: 21.681 ug/l

RT: 4.27 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

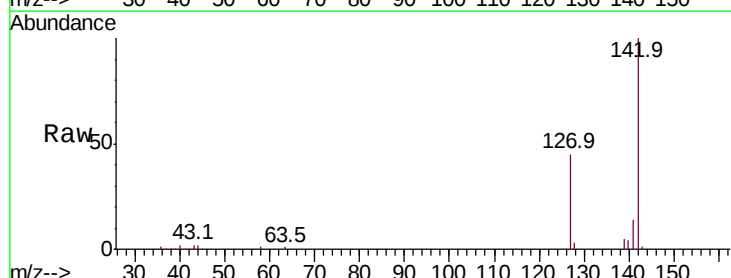
Tgt Ion:142 Resp: 60504

Ion Ratio Lower Upper

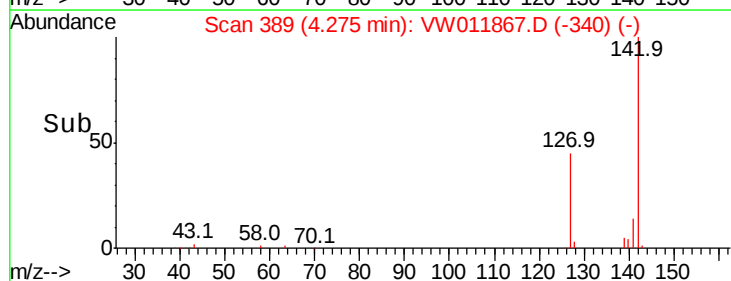
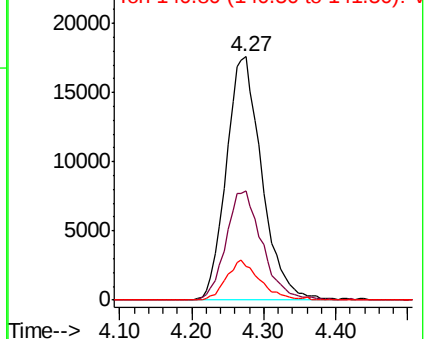
142 100

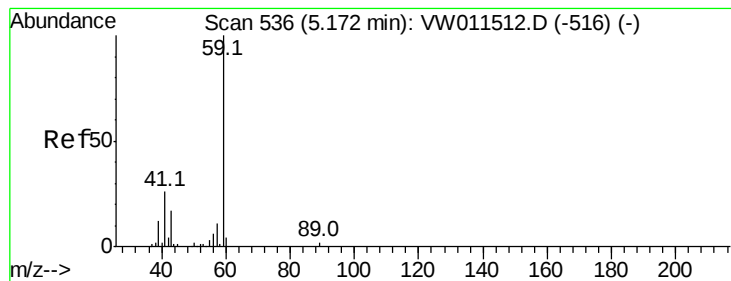
127 45.4 35.0 52.6

141 15.4 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



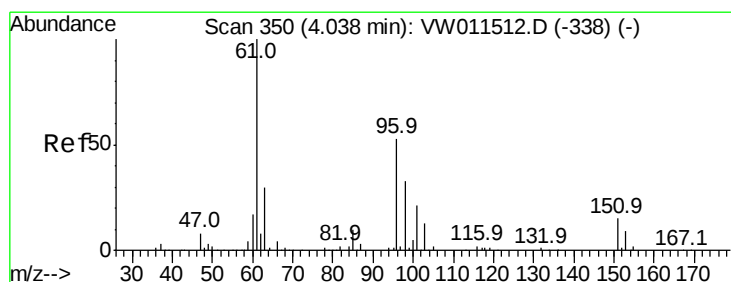
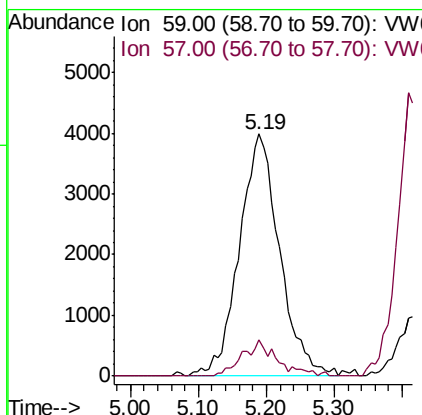
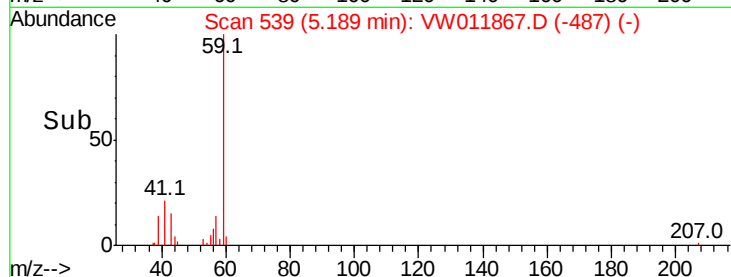
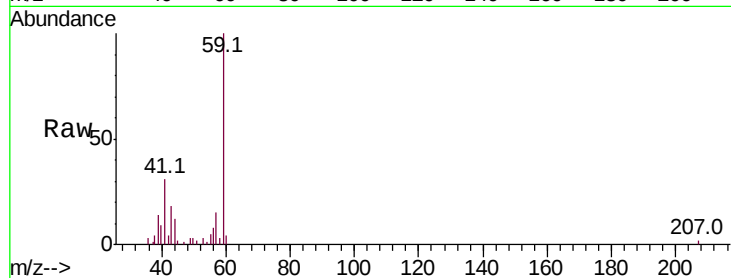


#11

Tert butyl alcohol
Concen: 84.819 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

Instrument :
MSVOA_W
ClientSampled :

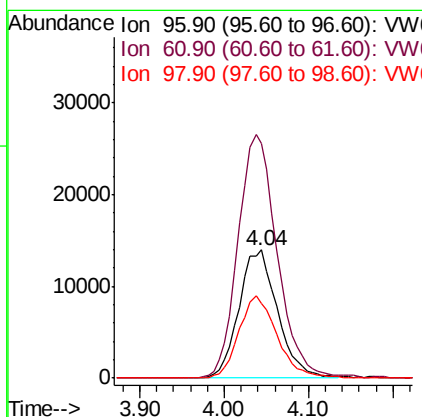
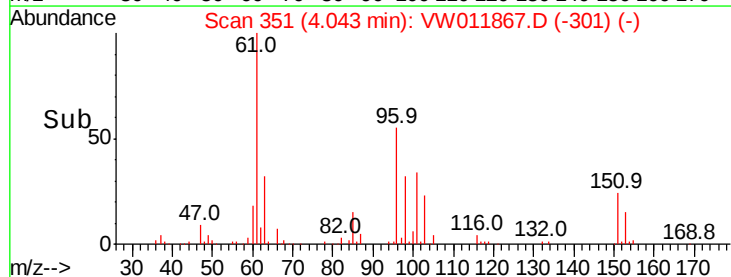
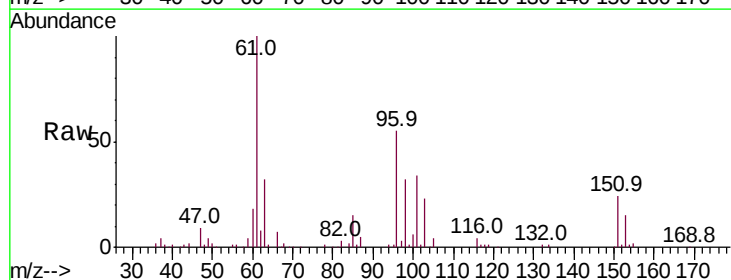
Tot Ion: 59 Resp: 16389
Ion Ratio Lower Upper
59 100
57 11.3 8.5 12.7

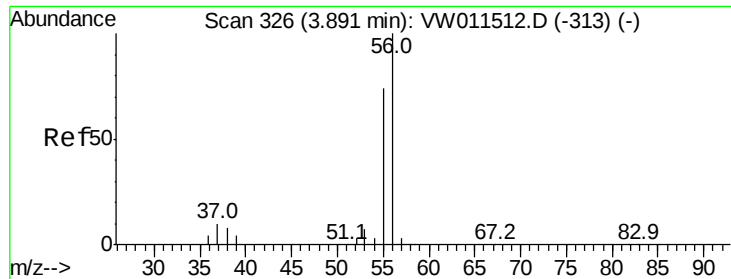


#12

1,1-Dichloroethene
Concen: 20.850 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

Tgt Ion: 96 Resp: 43472
Ion Ratio Lower Upper
96 100
61 183.1 149.9 224.9
98 58.4 49.1 73.7

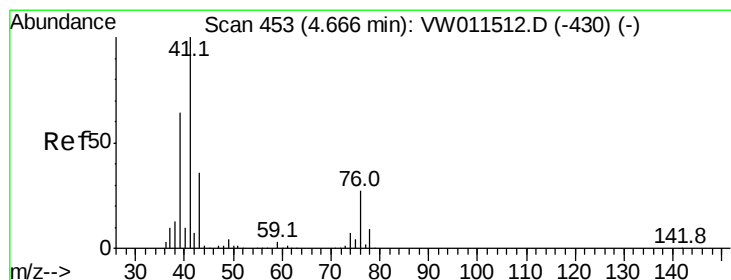
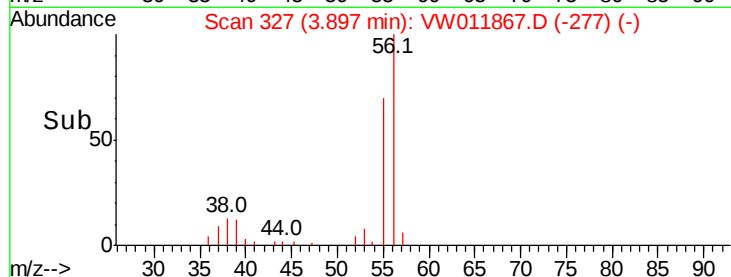
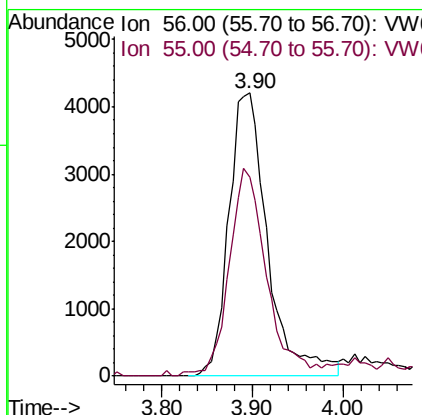
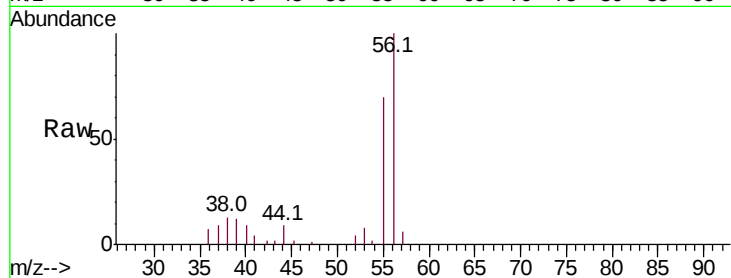




#13
Acrolein
Concen: 75.731 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

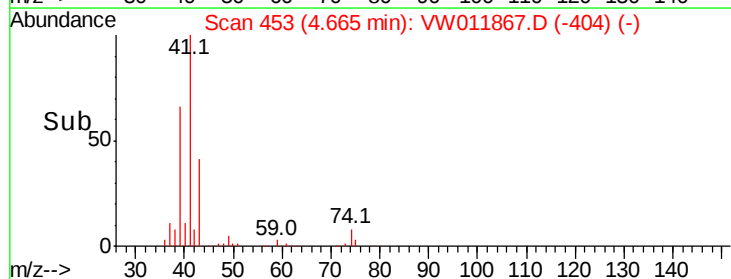
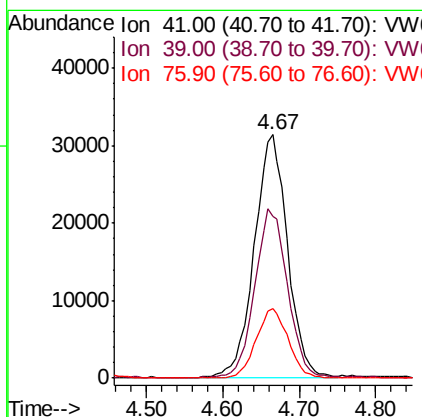
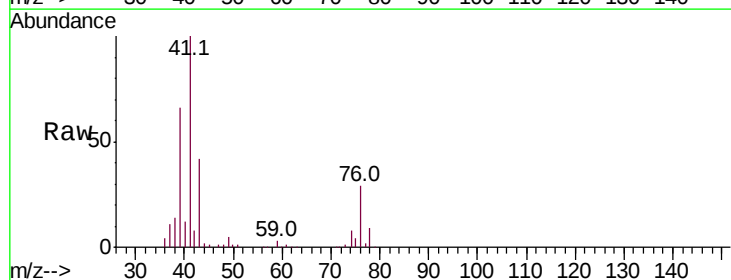
Instrument :
MSVOA_W
ClientSampleId :

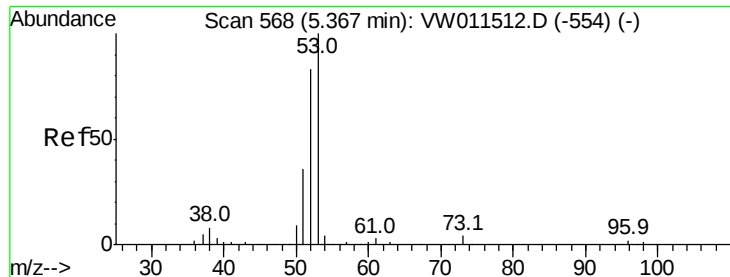
Tot Ion: 56 Resp: 12492
Ion Ratio Lower Upper
56 100
55 70.9 56.0 84.0



#14
Allyl chloride
Concen: 21.524 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

Tgt Ion: 41 Resp: 95450
Ion Ratio Lower Upper
41 100
39 67.8 52.6 78.8
76 27.3 22.0 33.0





#15

Acrylonitrile

Concen: 113.556 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA_W

ClientSampleId :

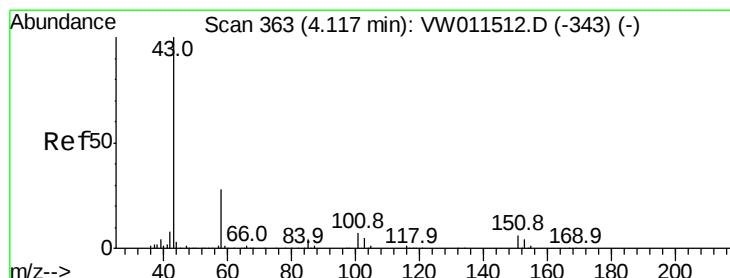
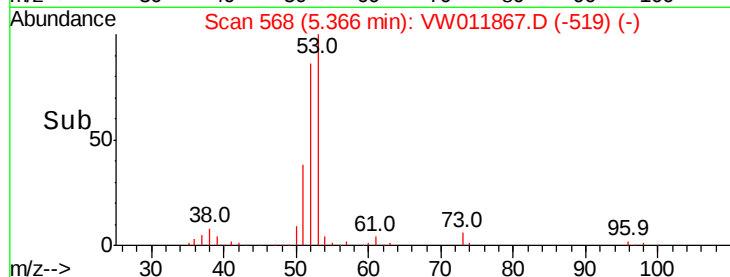
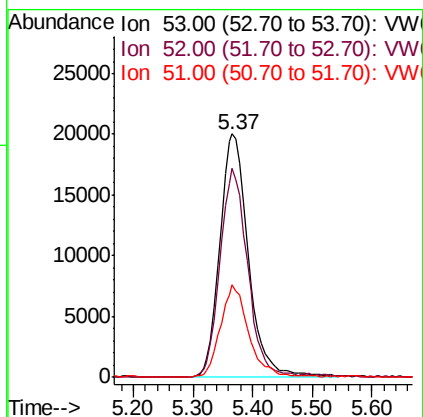
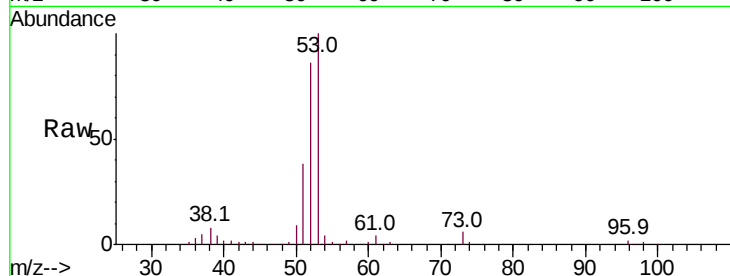
Tot Ion: 53 Resp: 66906

Ion Ratio Lower Upper

53 100

52 82.8 67.2 100.8

51 37.1 30.0 45.0



#16

Acetone

Concen: 80.208 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011867.D

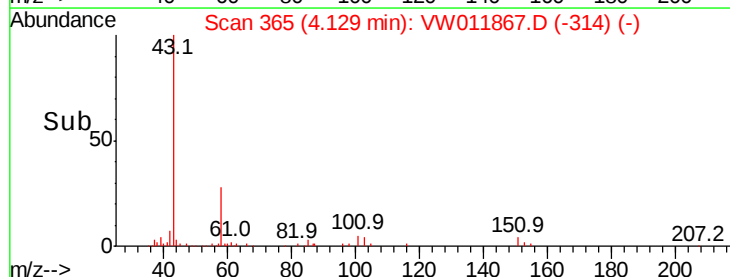
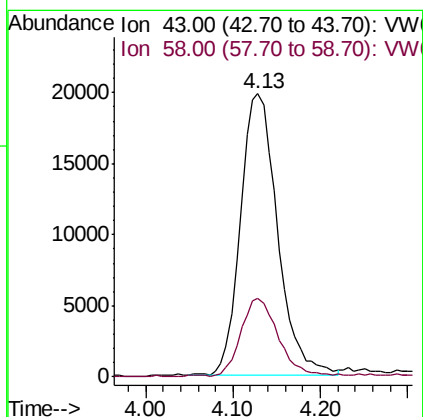
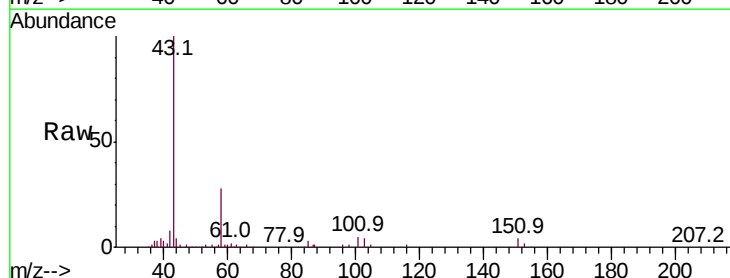
Acq: 12 Aug 2019 23:27

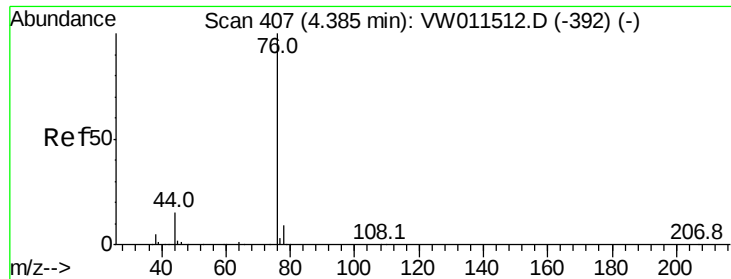
Tgt Ion: 43 Resp: 58654

Ion Ratio Lower Upper

43 100

58 27.2 22.3 33.5

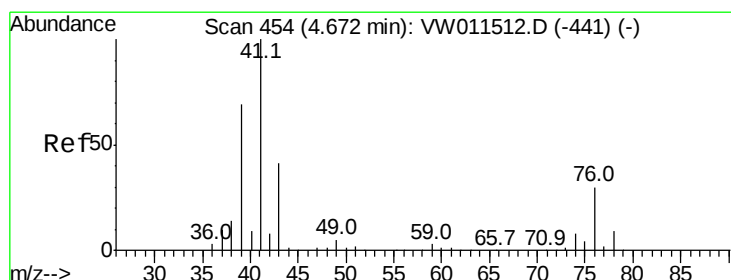
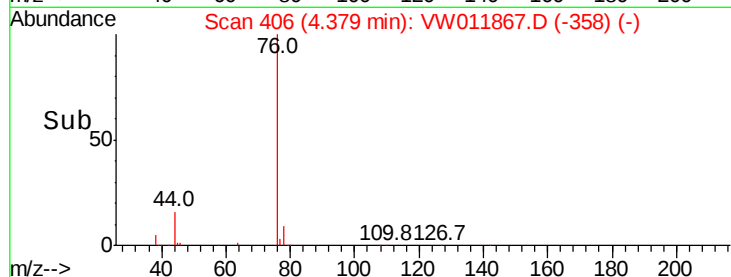
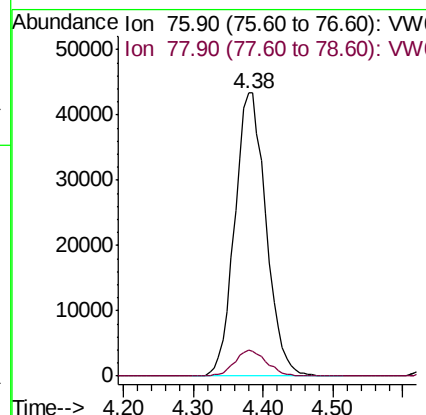
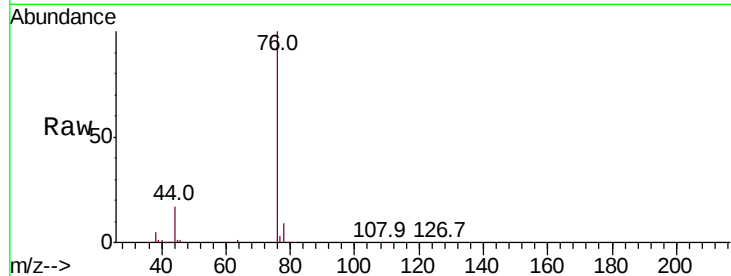




#17
Carbon Disulfide
Concen: 20.646 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

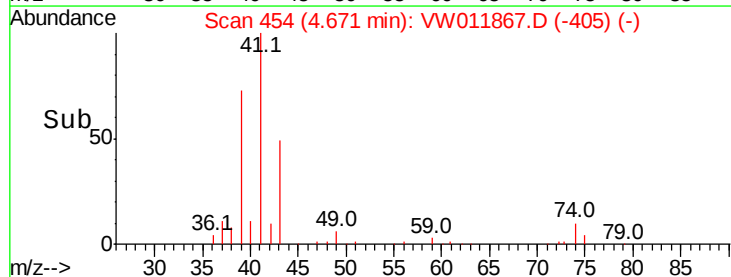
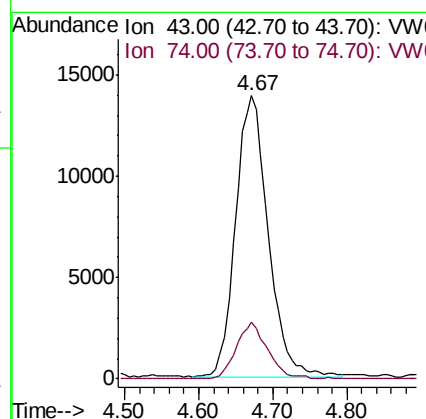
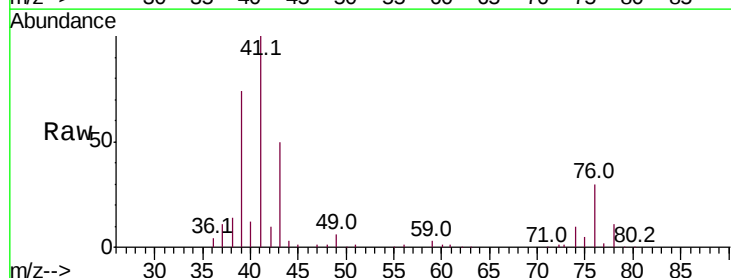
Instrument :
MSVOA_W
ClientSampleId :

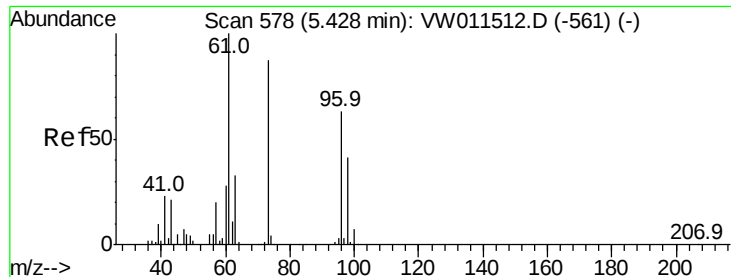
Tot Ion: 76 Resp: 134729
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 26.191 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

Tgt Ion: 43 Resp: 43026
Ion Ratio Lower Upper
43 100
74 19.0 15.9 23.9



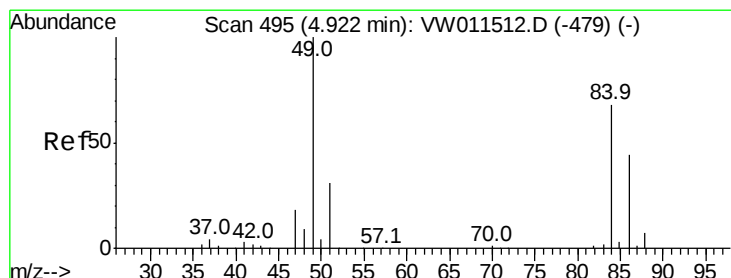
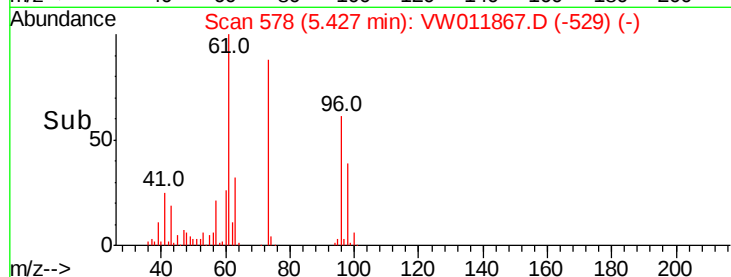
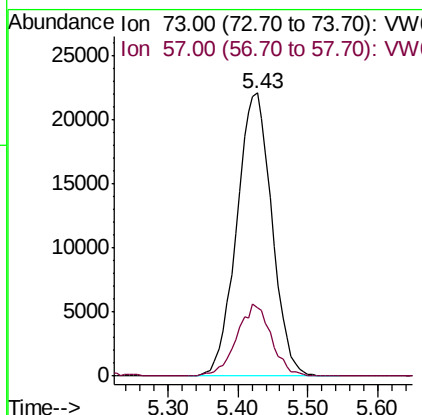
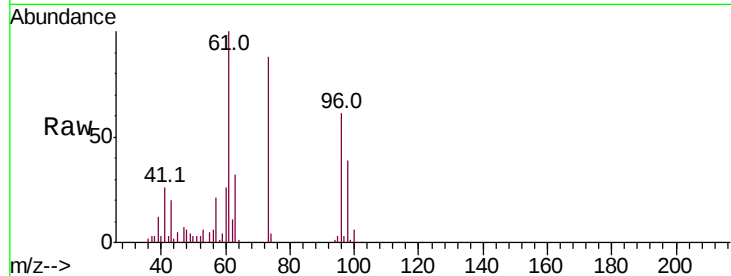


#19

Methyl tert-butyl Ether
 Concen: 23.250 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW011867.D
 Acq: 12 Aug 2019 23:27

Instrument :
 MSVOA_W
 ClientSampleId :

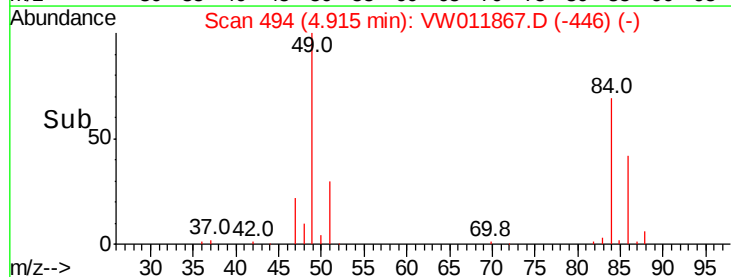
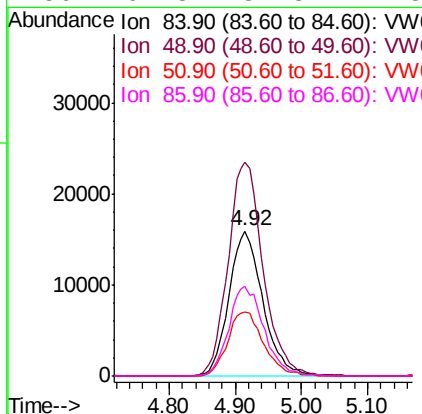
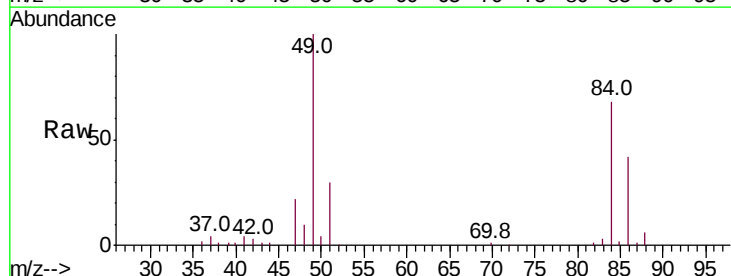
Tot Ion: 73 Resp: 76926
 Ion Ratio Lower Upper
 73 100
 57 24.1 18.4 27.6

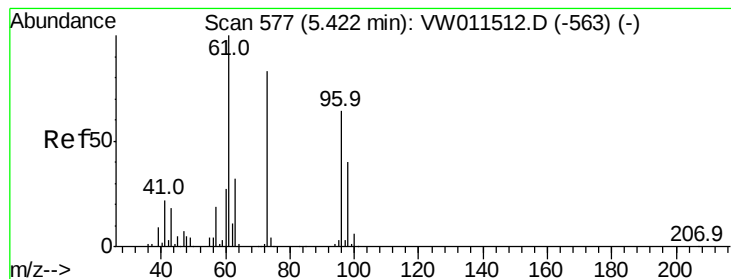


#20

Methylene Chloride
 Concen: 22.406 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW011867.D
 Acq: 12 Aug 2019 23:27

Tgt Ion: 84 Resp: 56508
 Ion Ratio Lower Upper
 84 100
 49 147.3 117.8 176.6
 51 44.5 37.0 55.4
 86 61.8 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 22.076 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA_W

ClientSampleId :

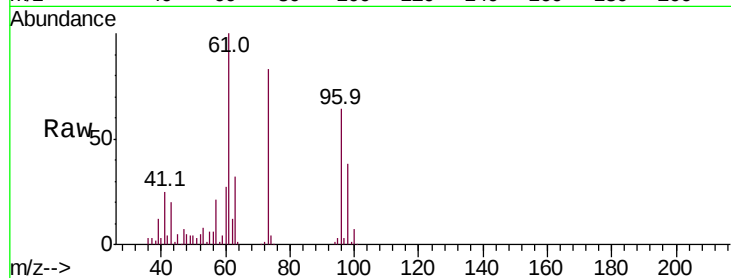
Tot Ion: 96 Resp: 49624

Ion Ratio Lower Upper

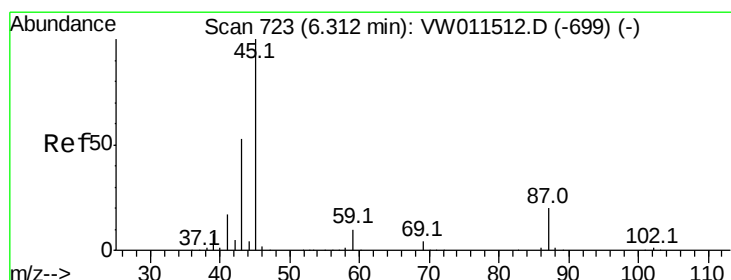
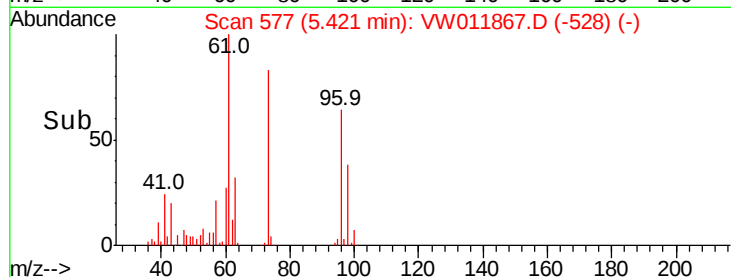
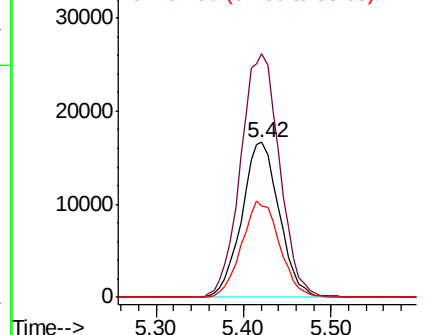
96 100

61 157.4 125.7 188.5

98 59.1 50.3 75.5



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



#22

Diisopropyl ether

Concen: 23.109 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Tgt Ion: 45 Resp: 193212

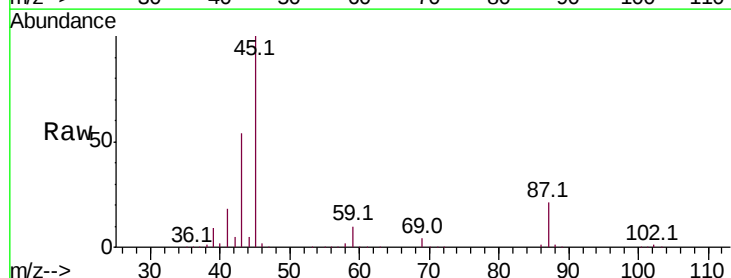
Ion Ratio Lower Upper

45 100

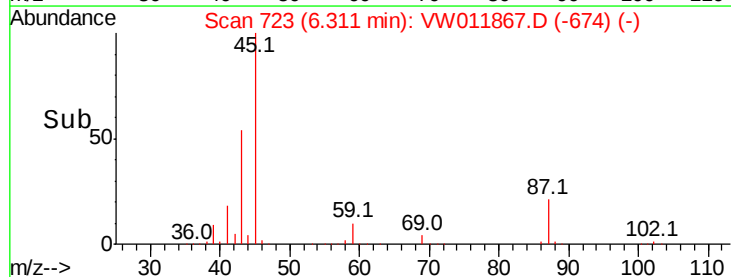
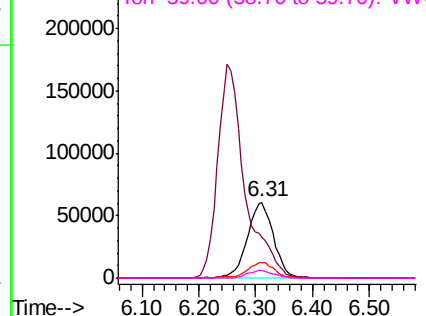
43 54.2 42.6 63.8

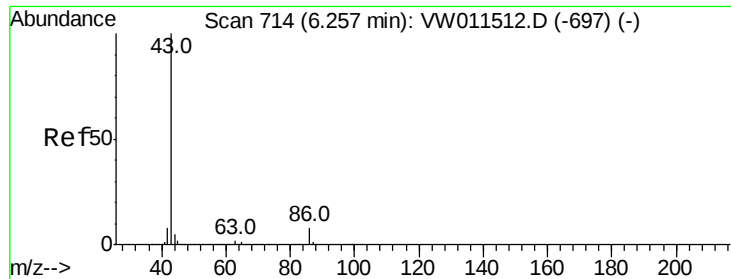
87 20.7 16.4 24.6

59 10.1 8.2 12.2



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





#23

Vinyl Acetate

Concen: 108.379 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA_W

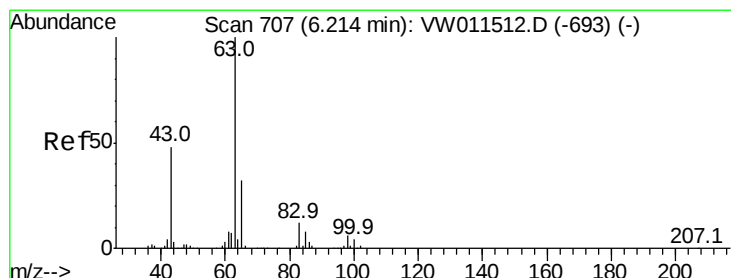
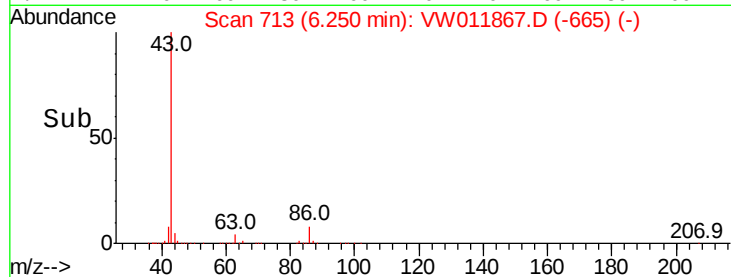
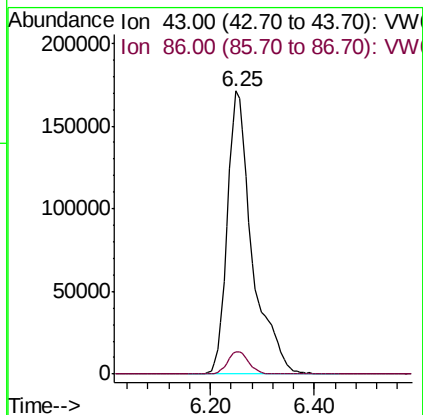
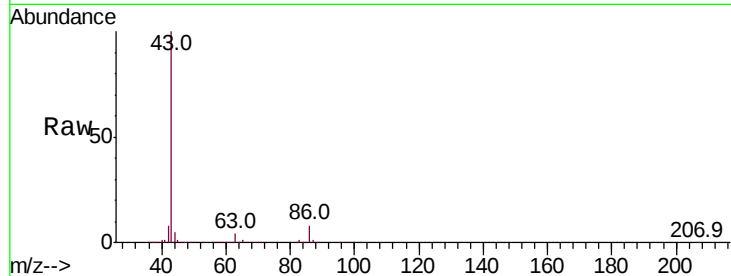
ClientSampleId :

Tot Ion: 43 Resp: 569384

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



#24

1,1-Dichloroethane

Concen: 22.557 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

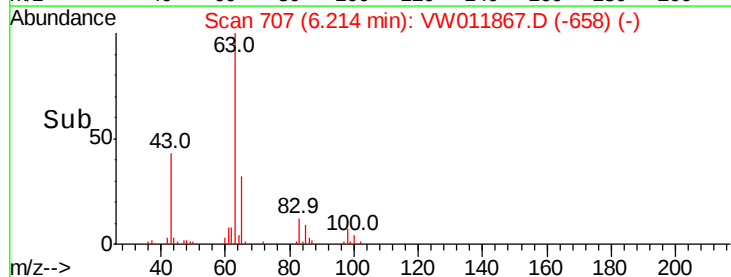
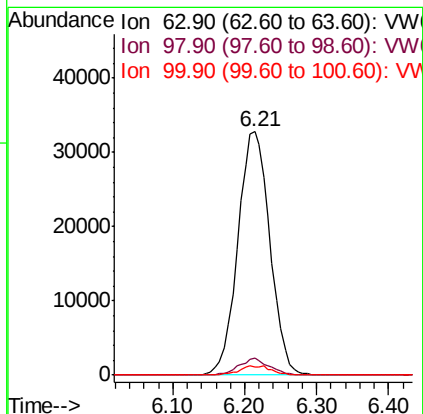
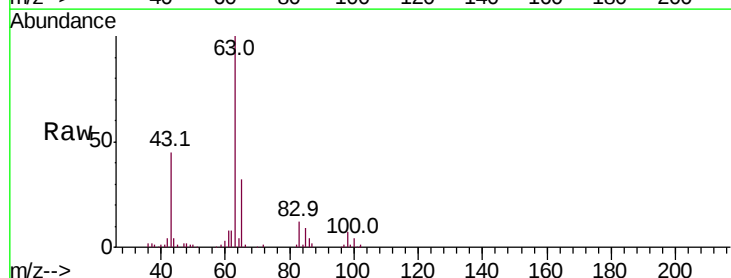
Tgt Ion: 63 Resp: 101007

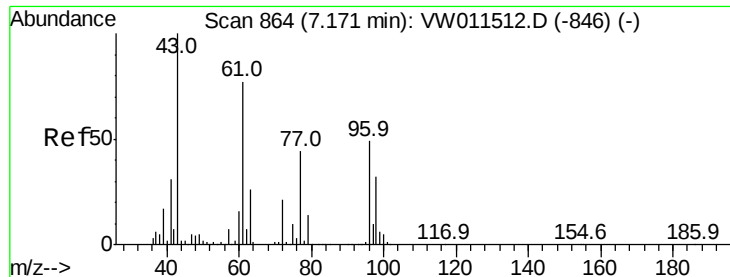
Ion Ratio Lower Upper

63 100

98 6.8 2.9 8.8

100 3.6 2.1 6.3





#25

2-Butanone

Concen: 96.072 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

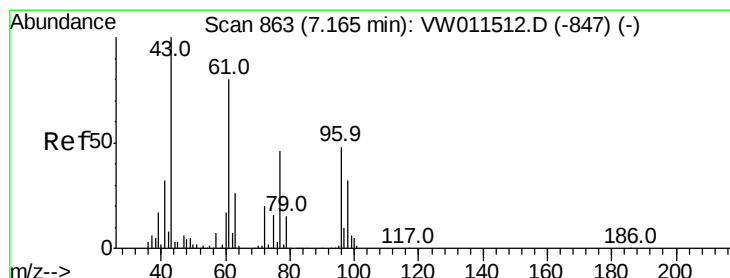
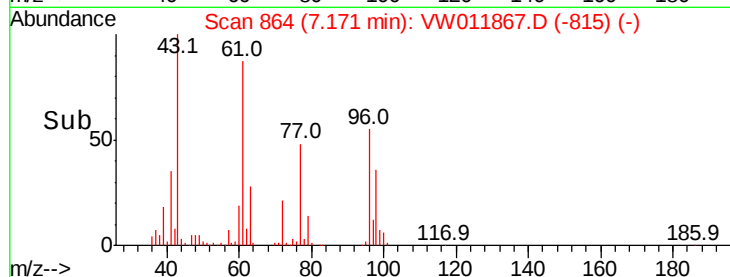
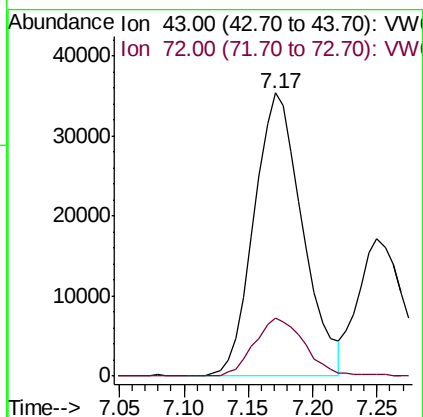
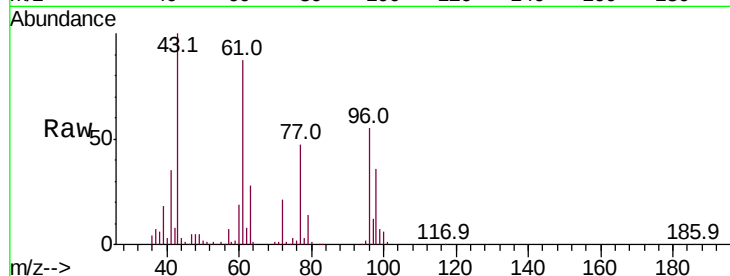
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 91930

Ion Ratio Lower Upper

43 100

72 20.6 16.6 24.8



#26

2,2-Dichloropropane

Concen: 18.525 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011867.D

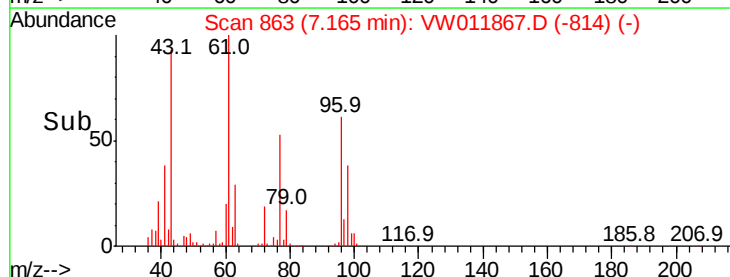
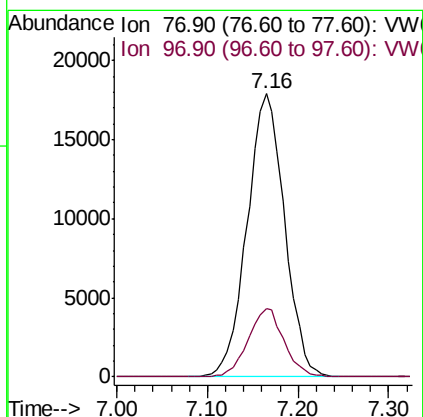
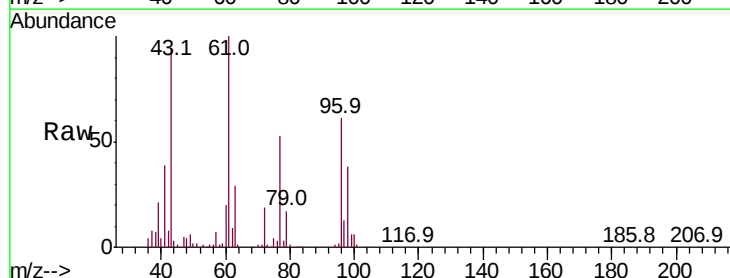
Acq: 12 Aug 2019 23:27

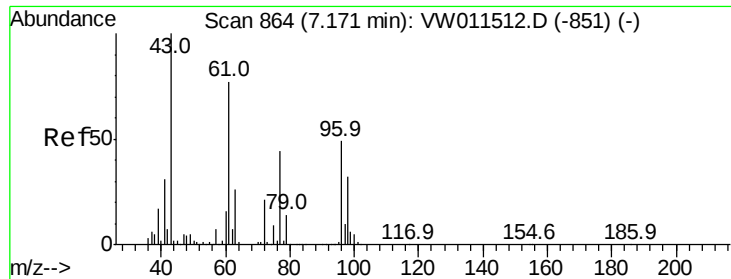
Tgt Ion: 77 Resp: 51014

Ion Ratio Lower Upper

77 100

97 23.2 10.8 32.4



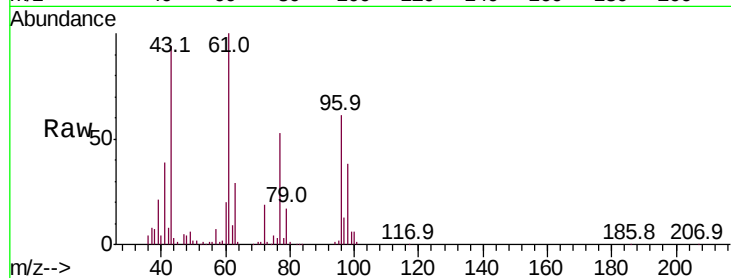


#27

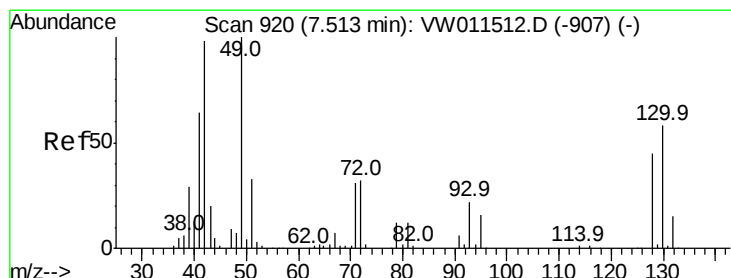
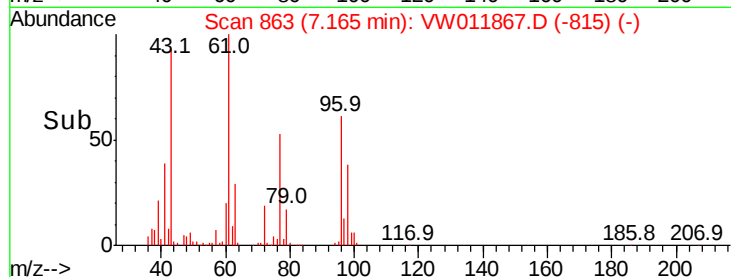
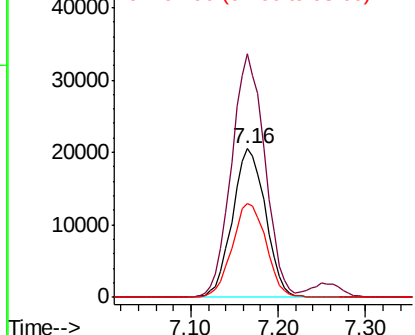
cis-1,2-Dichloroethene
Concen: 21.857 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.1	0.0	328.4
98	64.4	0.0	128.8



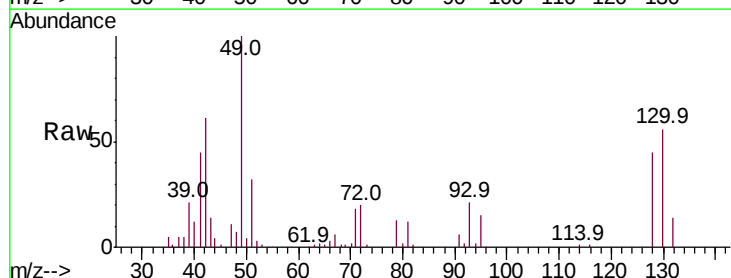
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



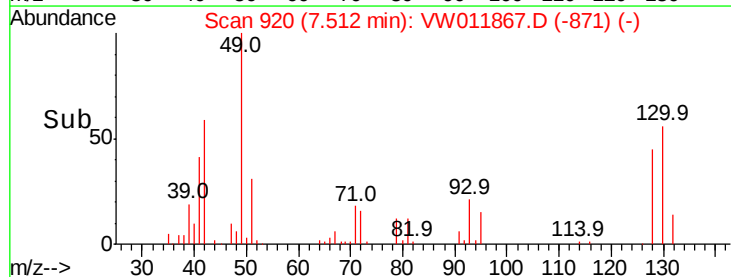
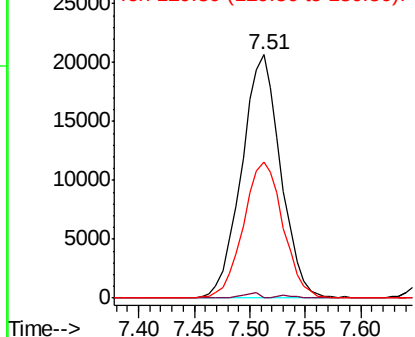
#28

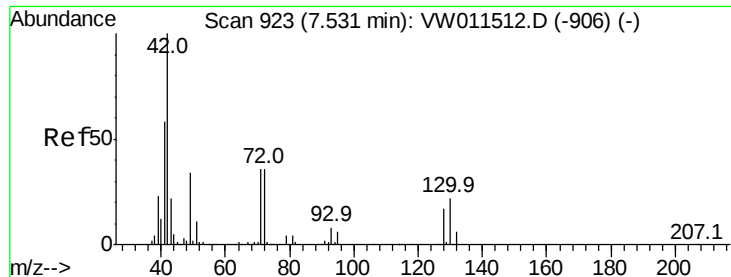
Bromochloromethane
Concen: 25.343 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	1.0
130	57.0	46.3	69.5



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

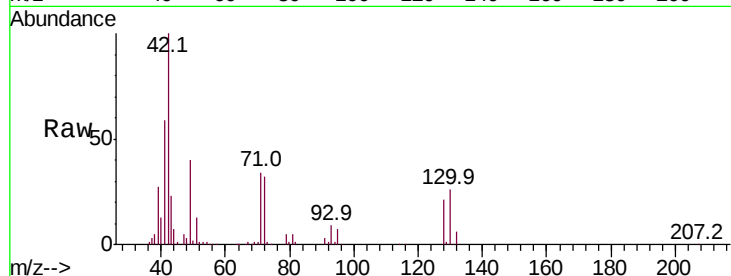




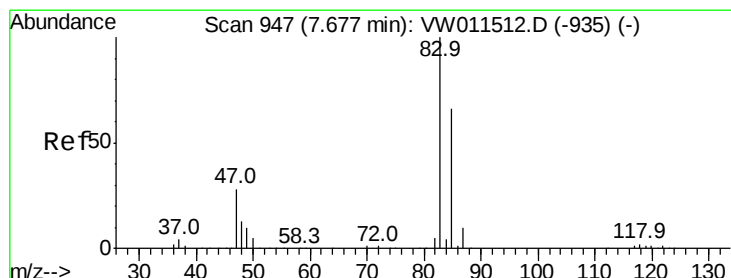
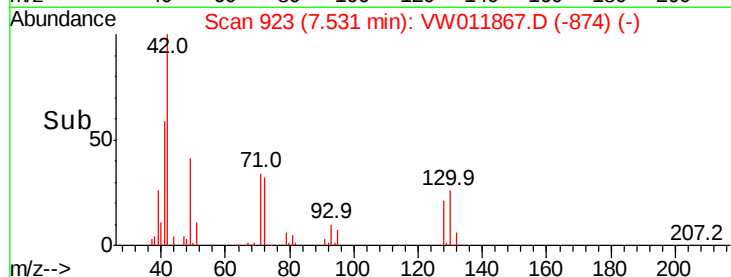
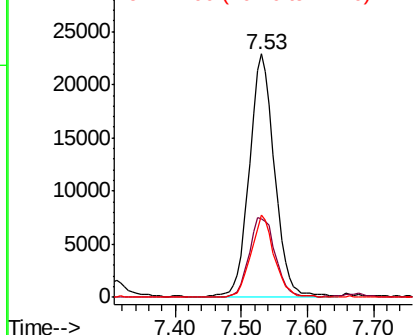
#29
Tetrahydrofuran
Concen: 110.691 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 60544
Ion Ratio Lower Upper
42 100
72 34.4 27.1 40.7
71 31.7 26.2 39.4

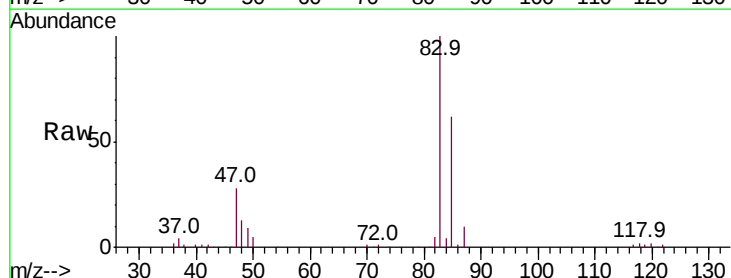


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

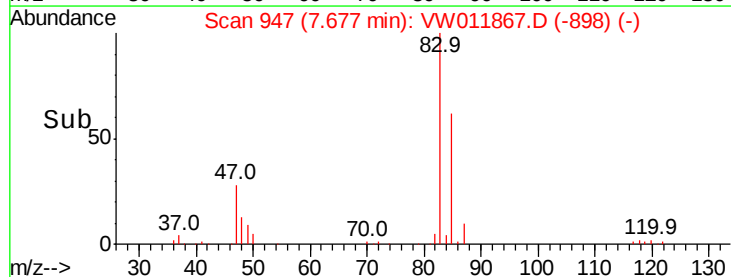
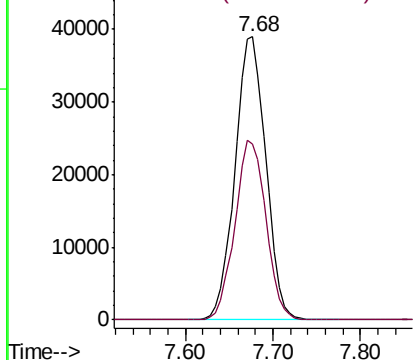


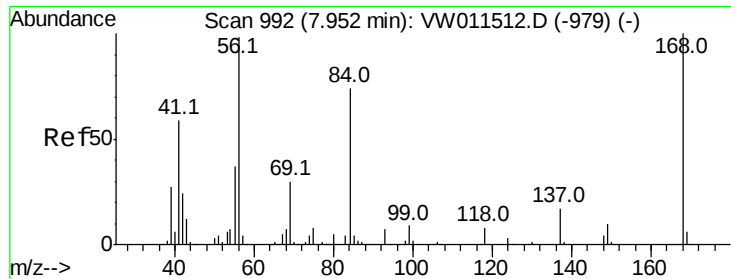
#30
Chloroform
Concen: 23.155 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

Tgt Ion: 83 Resp: 95655
Ion Ratio Lower Upper
83 100
85 62.3 52.5 78.7



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

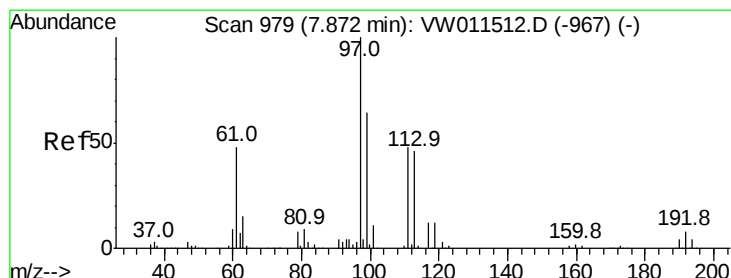
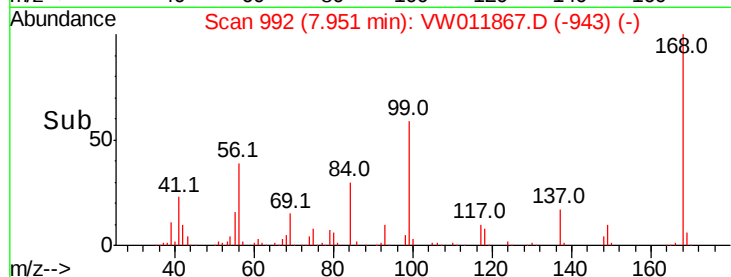
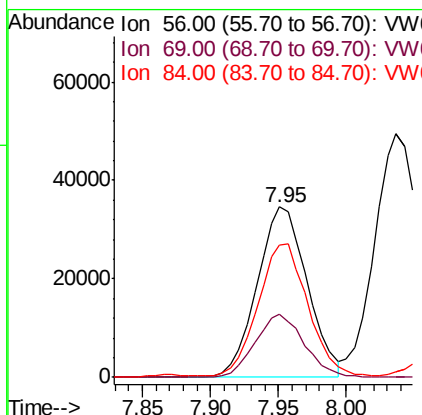
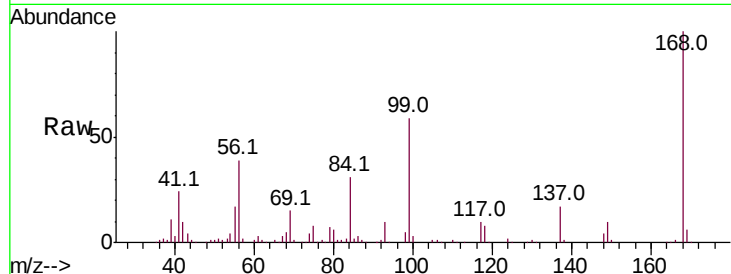




#31
Cyclohexane
Concen: 20.667 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

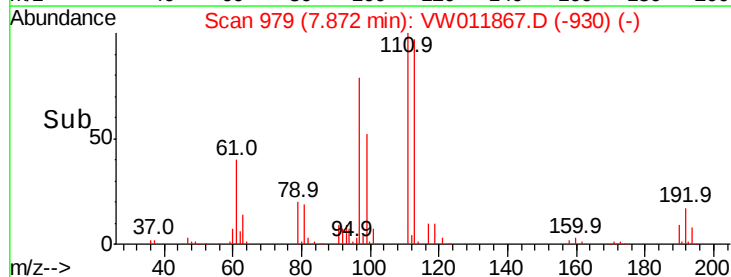
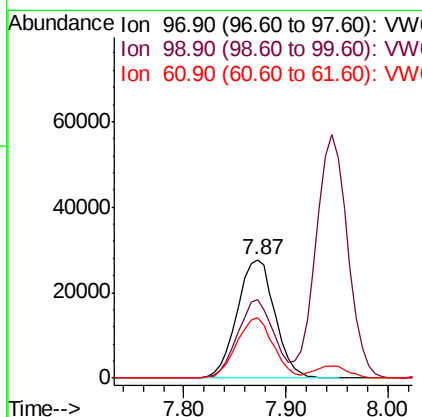
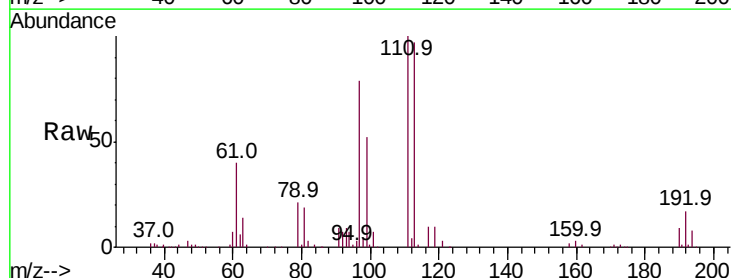
Instrument :
MSVOA_W
ClientSampled :

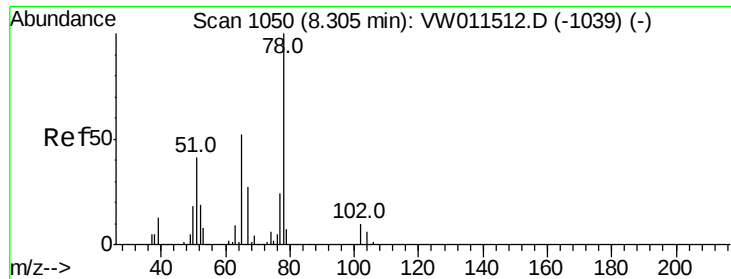
Tot Ion: 56 Resp: 88834
Ion Ratio Lower Upper
56 100
69 37.1 24.3 36.5#
84 76.8 60.4 90.6



#32
1,1,1-Trichloroethane
Concen: 22.742 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

Tgt Ion: 97 Resp: 71548
Ion Ratio Lower Upper
97 100
99 63.2 51.0 76.6
61 49.3 39.8 59.6

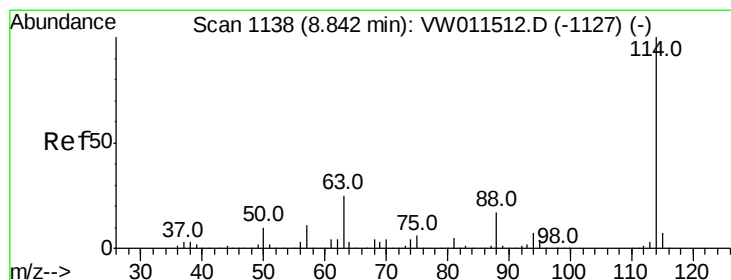
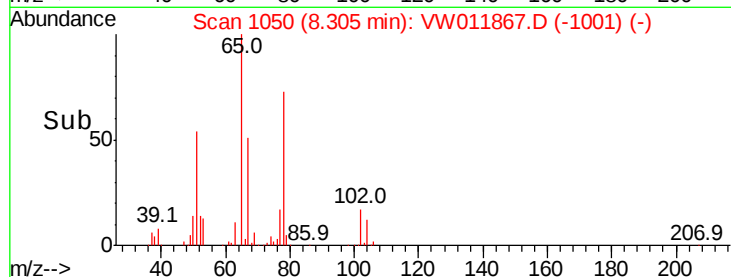
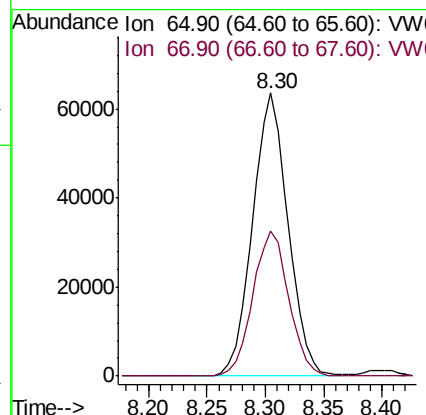
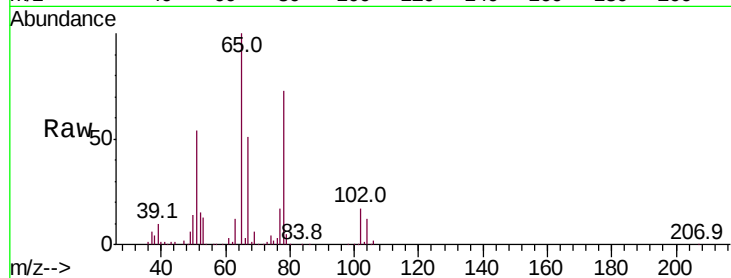




#33
 1,2-Dichloroethane-d4
 Concen: 58.479 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011867.D
 Acq: 12 Aug 2019 23:27

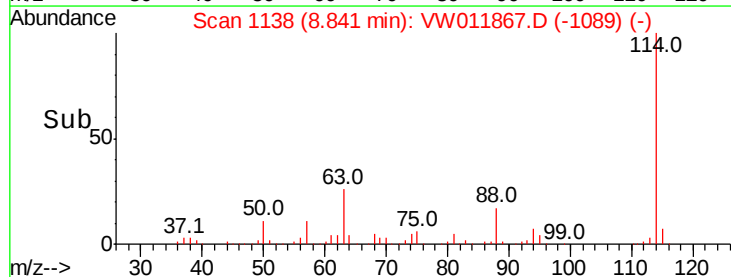
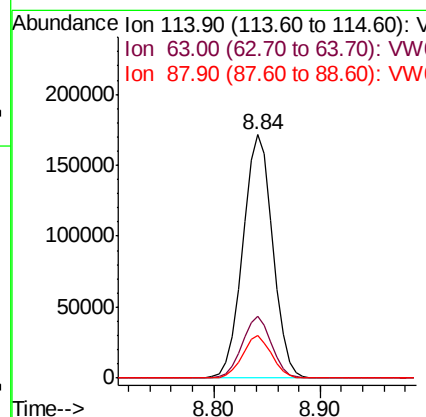
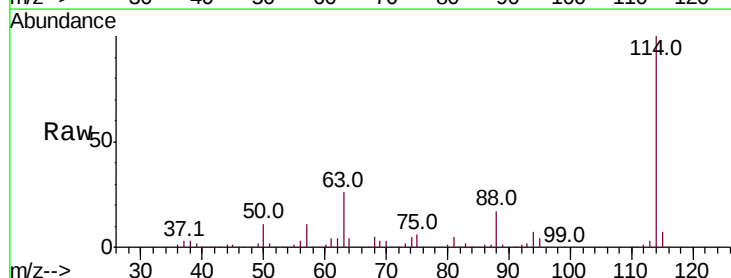
Instrument :
 MSVOA_W
 ClientSampleId :

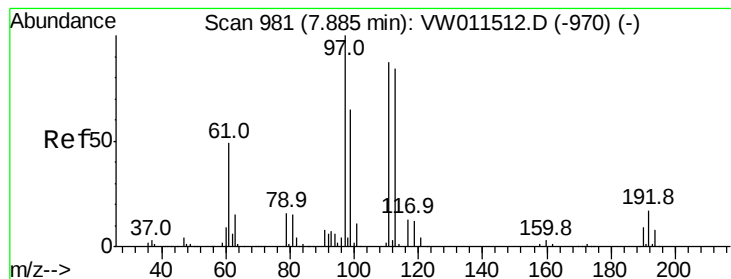
Tot Ion: 65 Resp: 134437
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011867.D
 Acq: 12 Aug 2019 23:27

Tgt Ion: 114 Resp: 337814
 Ion Ratio Lower Upper
 114 100
 63 25.5 0.0 49.2
 88 17.5 0.0 33.8





#35

Dibromofluoromethane

Concen: 55.556 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA_W

ClientSampleId :

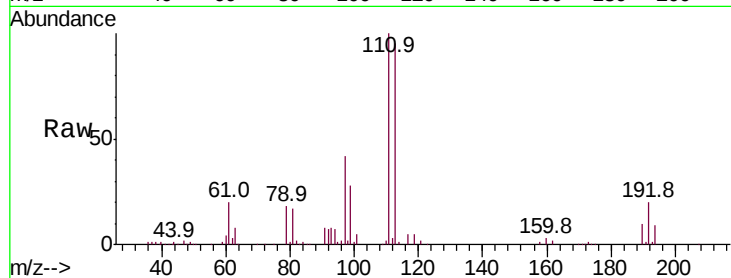
Tot Ion:113 Resp: 105289

Ion Ratio Lower Upper

113 100

111 104.6 82.7 124.1

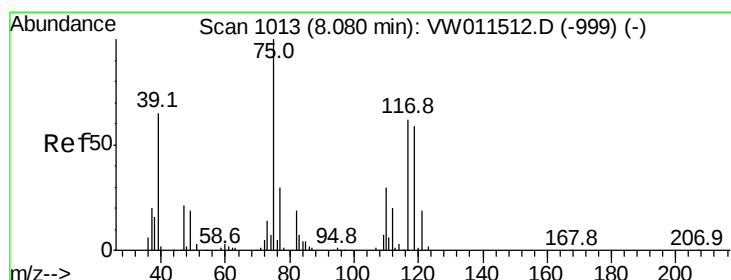
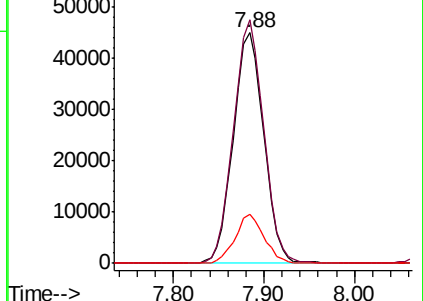
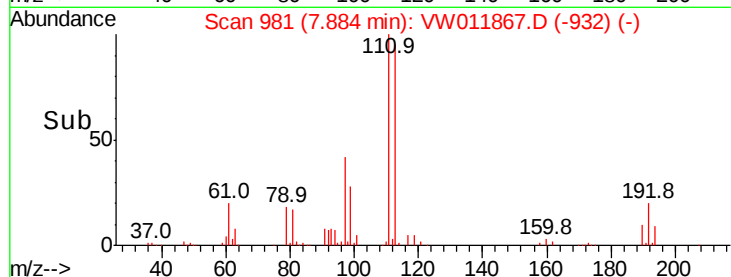
192 20.1 16.1 24.1



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: 20.913 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

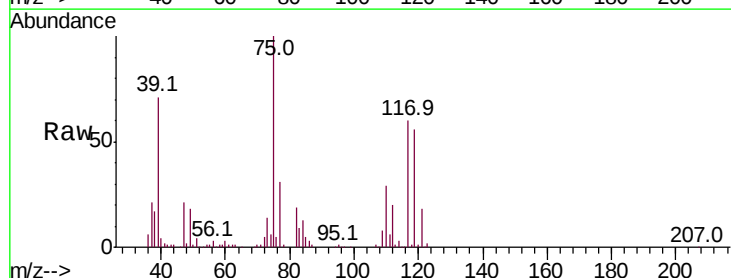
Tgt Ion: 75 Resp: 73461

Ion Ratio Lower Upper

75 100

110 30.8 15.6 46.8

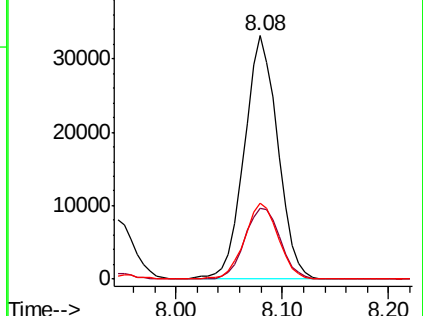
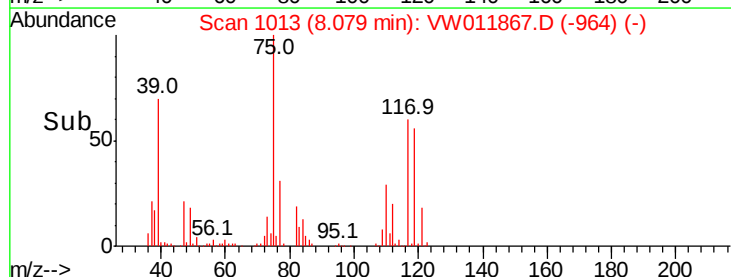
77 31.5 24.3 36.5

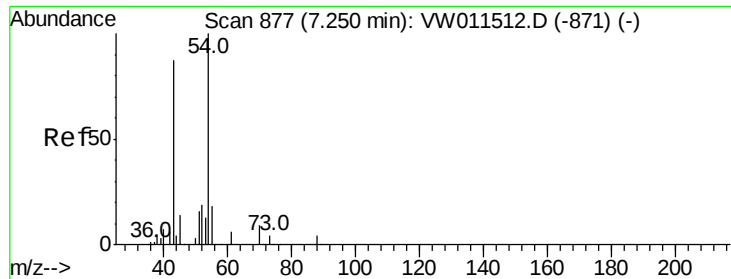


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

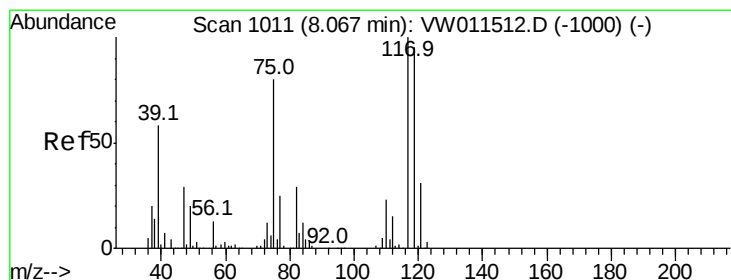
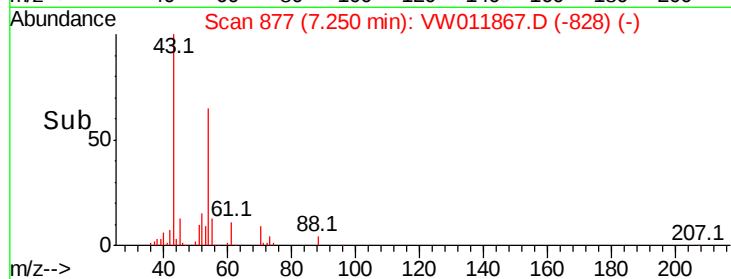
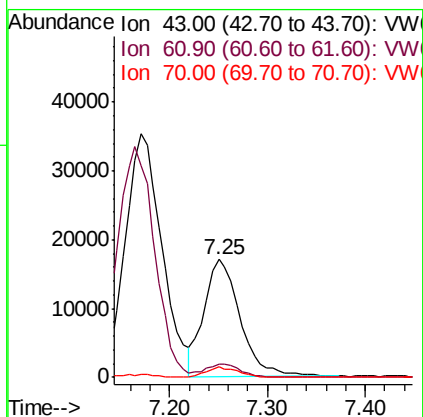
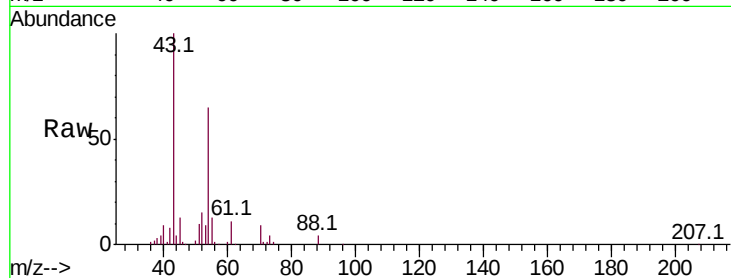




#37
Ethyl Acetate
Concen: 21.324 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

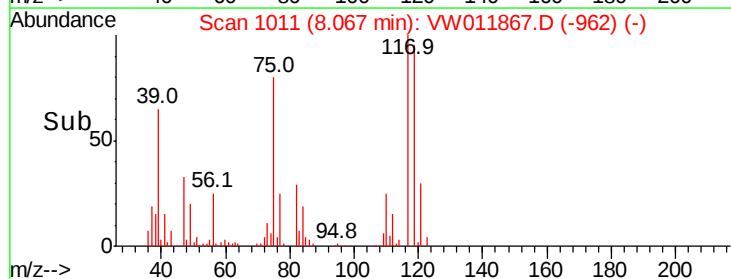
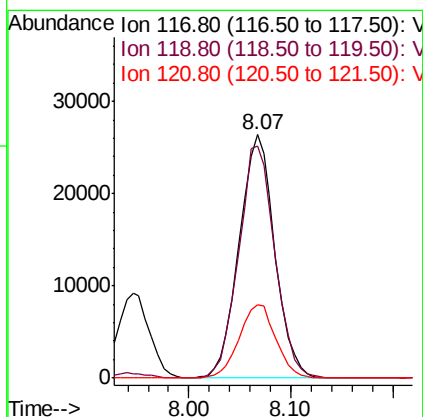
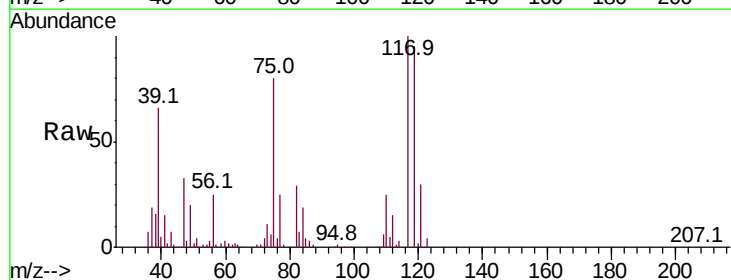
Instrument :
MSVOA_W
ClientSampleId :

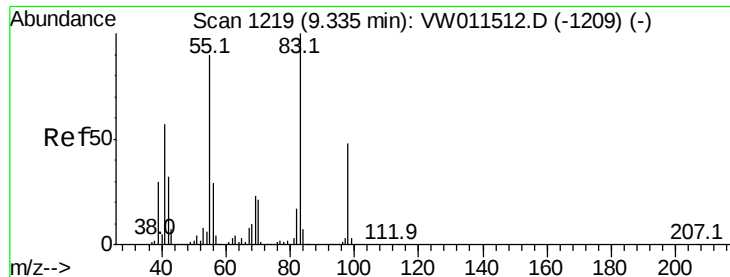
Tot Ion: 43 Resp: 43095
Ion Ratio Lower Upper
43 100
61 11.0 8.8 13.2
70 8.4 7.1 10.7



#38
Carbon Tetrachloride
Concen: 21.276 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

Tgt Ion: 117 Resp: 63978
Ion Ratio Lower Upper
117 100
119 95.2 75.8 113.6
121 30.0 24.7 37.1

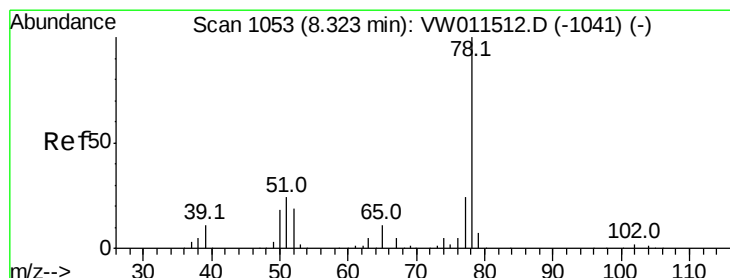
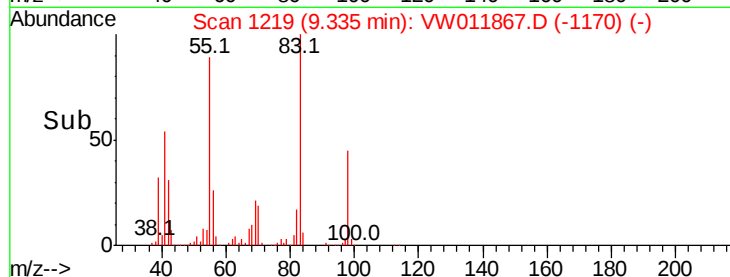
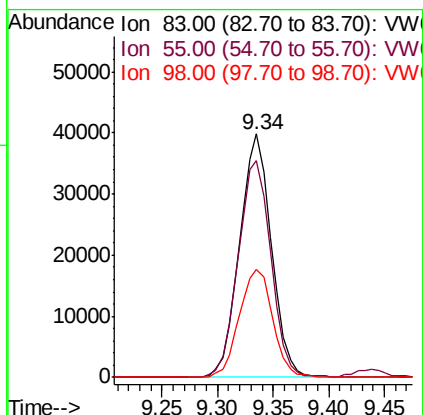
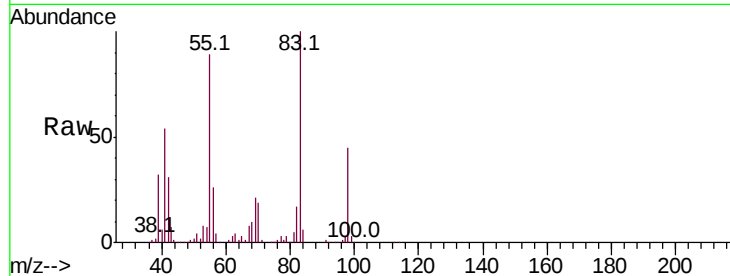




#39
Methvlcvclohexane
Concen: 20.397 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

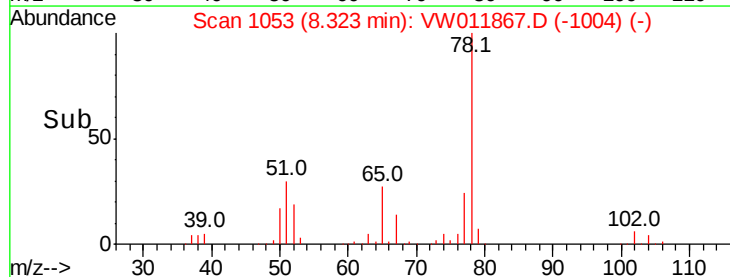
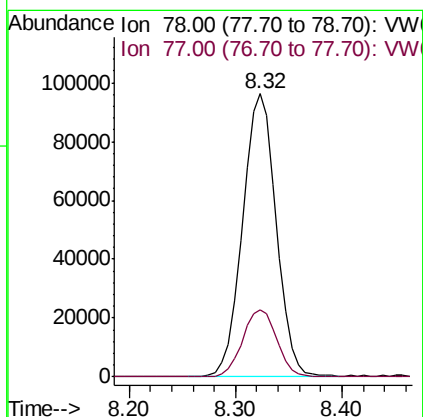
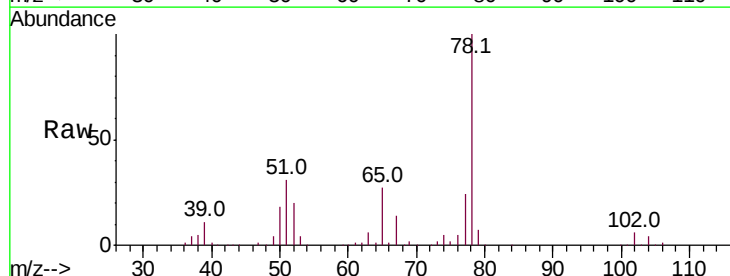
Instrument :
MSVOA_W
ClientSampled :

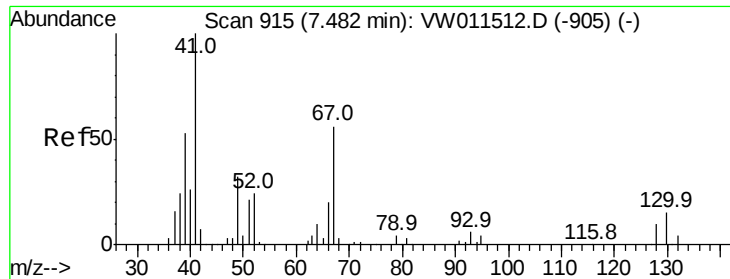
Tot Ion: 83 Resp: 78891
Ion Ratio Lower Upper
83 100
55 89.3 72.1 108.1
98 44.6 38.6 57.8



#40
Benzene
Concen: 21.695 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

Tgt Ion: 78 Resp: 213460
Ion Ratio Lower Upper
78 100
77 23.8 19.4 29.0

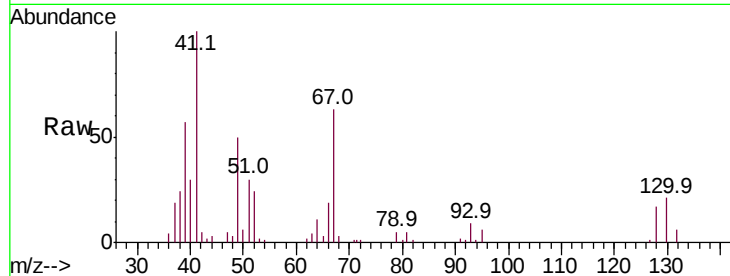




#41
Methacrylonitrile
Concen: 22.763 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	27499
Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.0	64.4
67	54.6	47.5	71.3
52	26.6	21.0	31.6



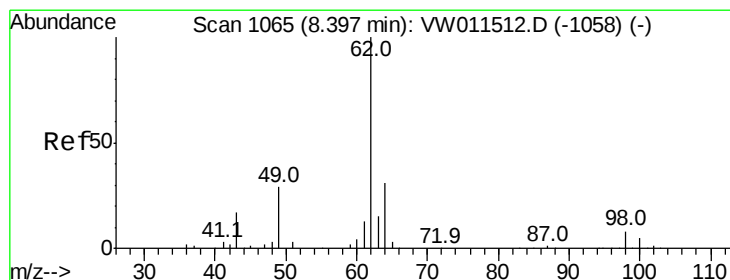
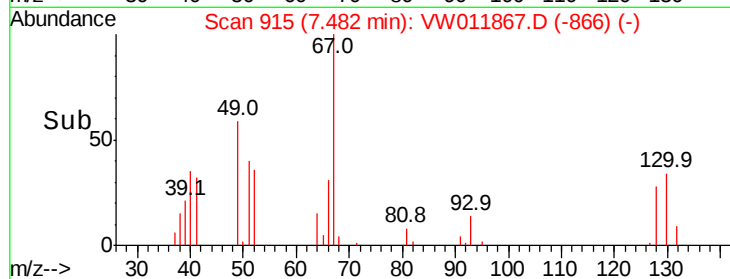
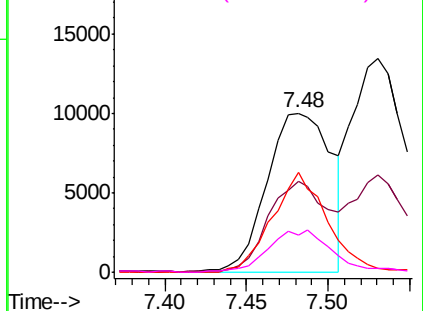
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

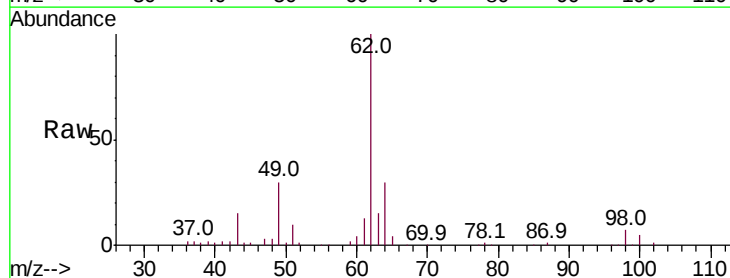
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 22.841 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

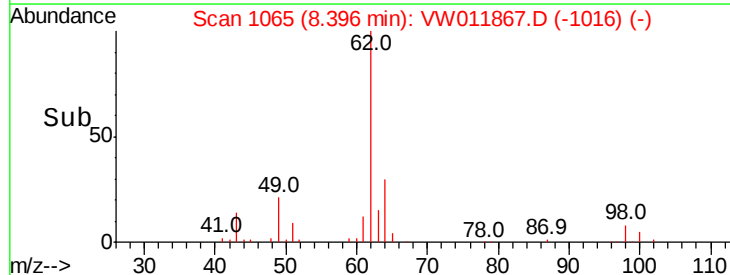
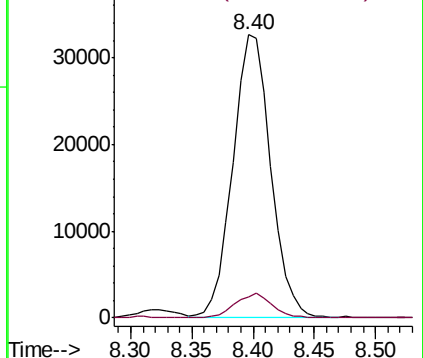
Tgt Ion:	62	Resp:	70362
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.8

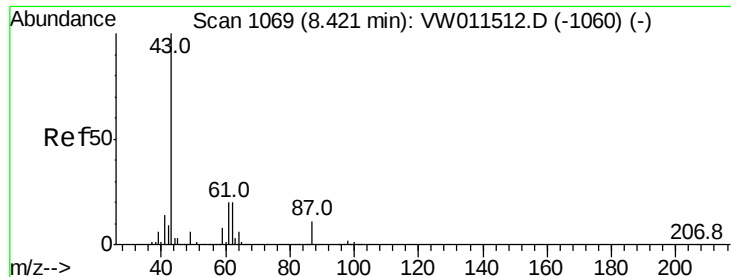


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.742 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA_W

ClientSampleId :

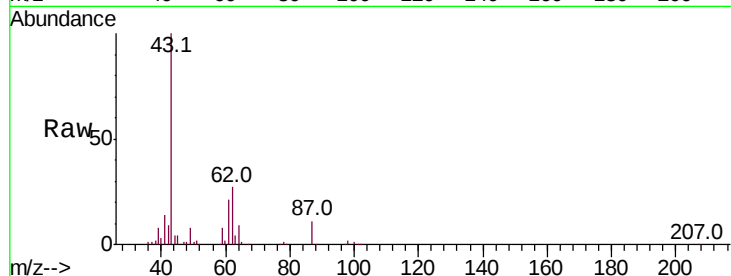
Tot Ion: 43 Resp: 80808

Ion Ratio Lower Upper

43 100

61 26.3 21.5 32.3

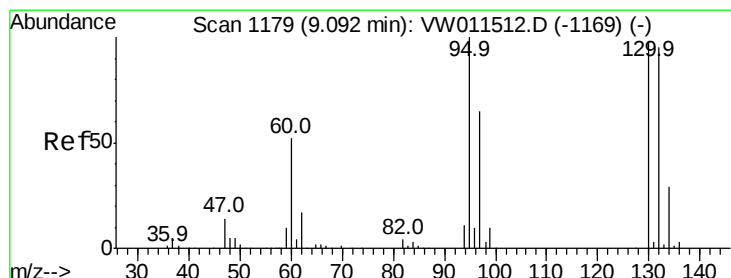
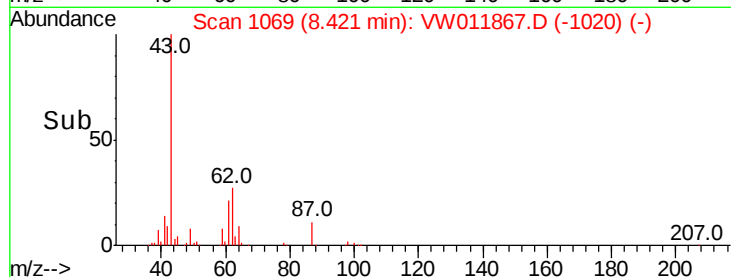
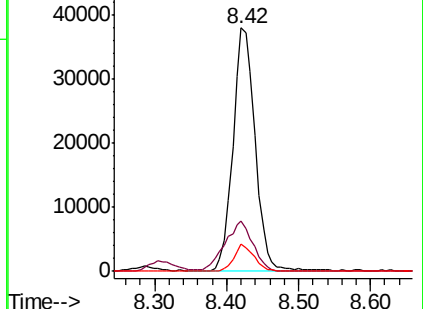
87 10.1 8.4 12.6



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: 20.838 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011867.D

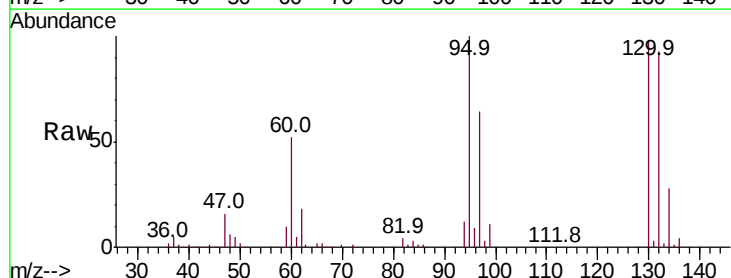
Acq: 12 Aug 2019 23:27

Tgt Ion: 130 Resp: 49277

Ion Ratio Lower Upper

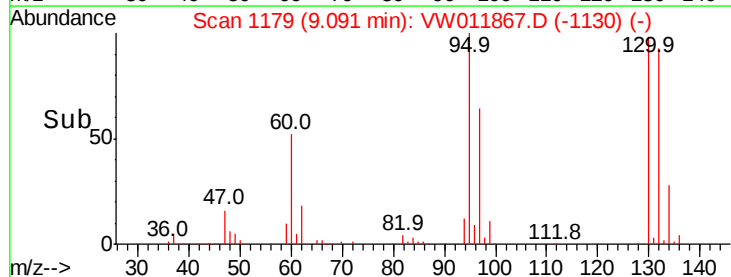
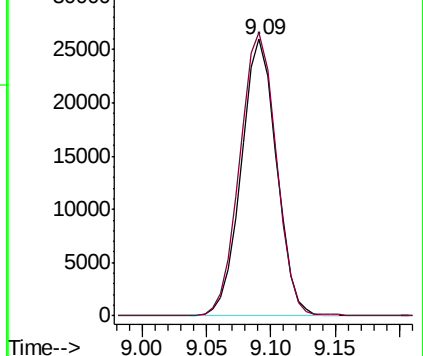
130 100

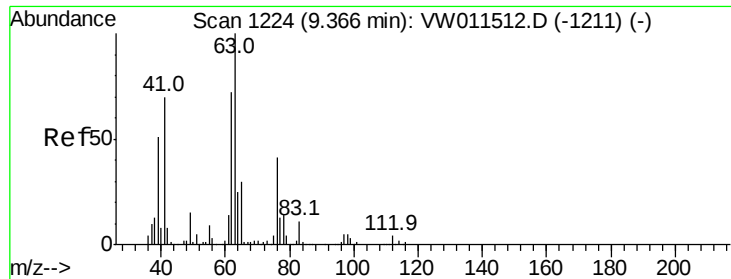
95 102.3 0.0 204.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

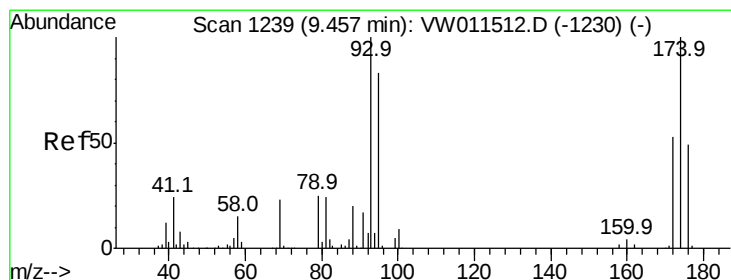
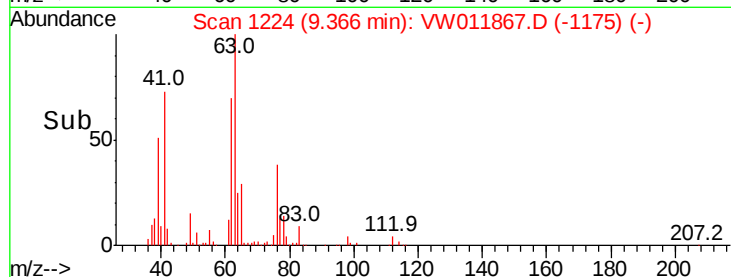
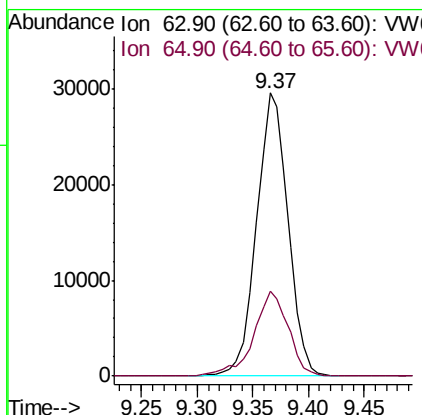
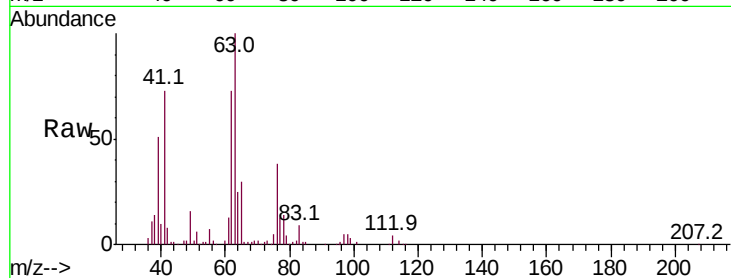




#45
 1,2-Dichloropropane
 Concen: 22.165 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011867.D
 Acq: 12 Aug 2019 23:27

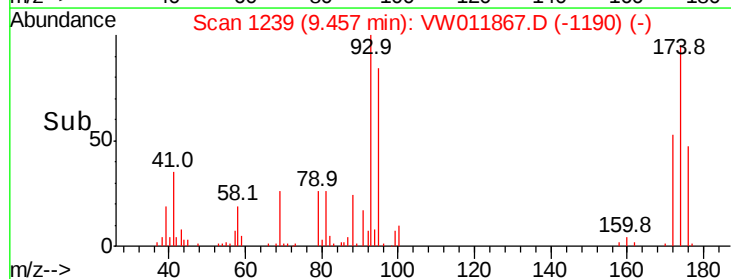
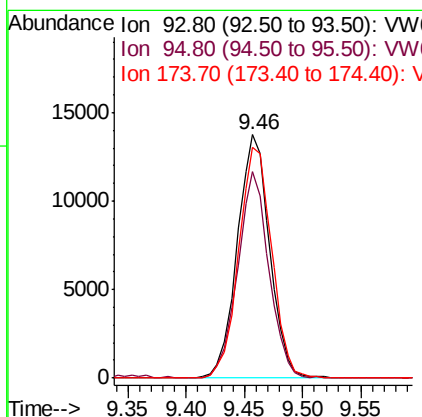
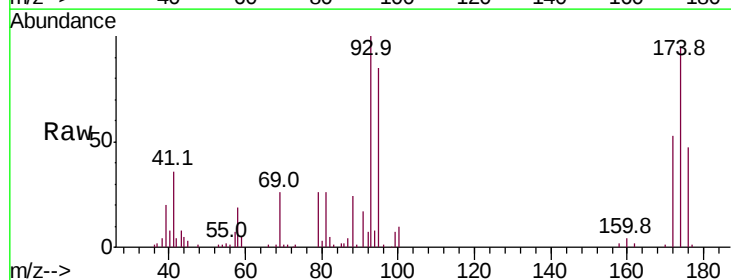
Instrument :
 MSVOA_W
 ClientSampleId :

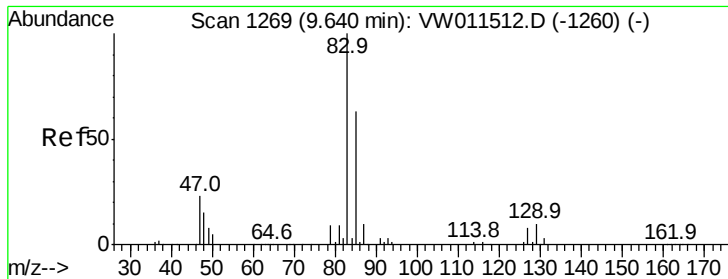
Tot Ion: 63 Resp: 58352
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.2 36.4



#46
 Dibromomethane
 Concen: 22.158 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011867.D
 Acq: 12 Aug 2019 23:27

Tgt Ion: 93 Resp: 26624
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.2 99.2
 174 96.8 78.2 117.4





#47

Bromodichloromethane

Concen: 22.232 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA_W

ClientSampleId :

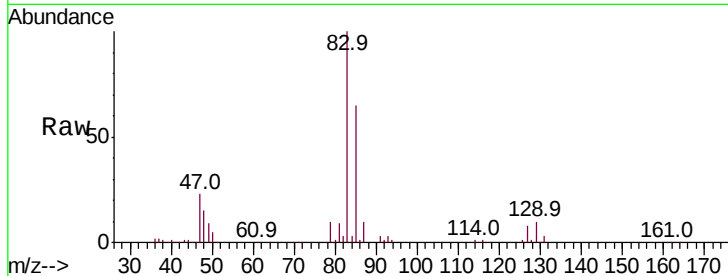
Tot Ion: 83 Resp: 70073

Ion Ratio Lower Upper

83 100

85 64.7 50.5 75.7

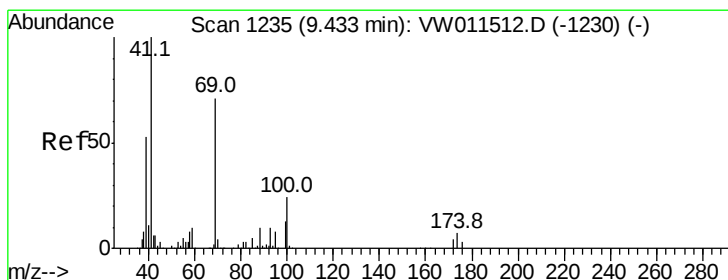
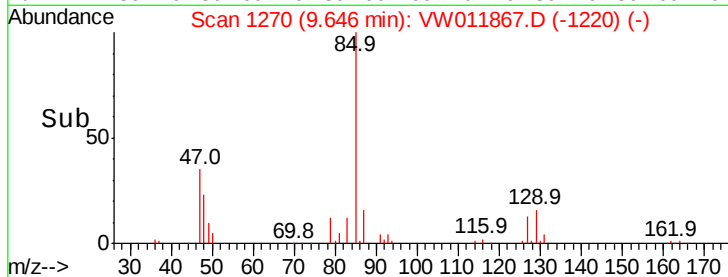
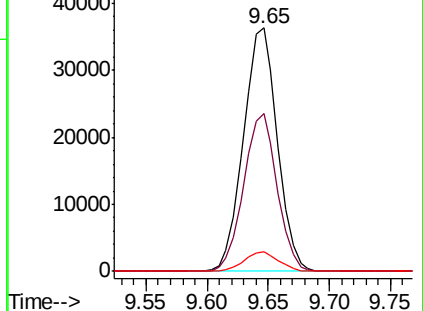
127 8.1 6.4 9.6



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: 21.643 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

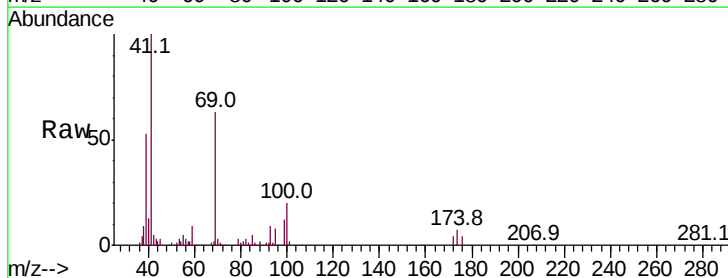
Tgt Ion: 41 Resp: 38639

Ion Ratio Lower Upper

41 100

69 72.0 57.1 85.7

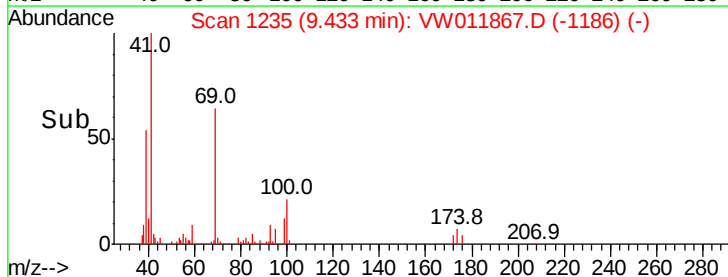
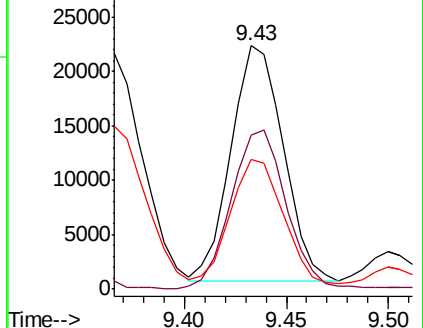
39 57.5 45.4 68.2

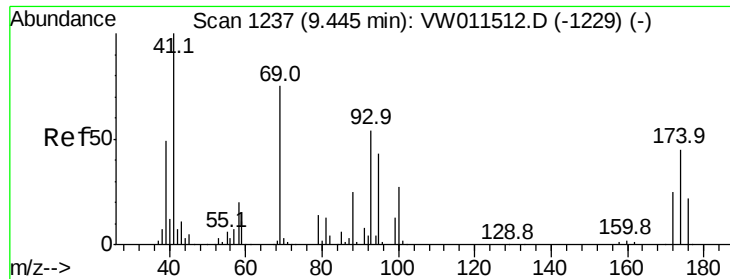


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 452.923 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA_W

ClientSampleId :

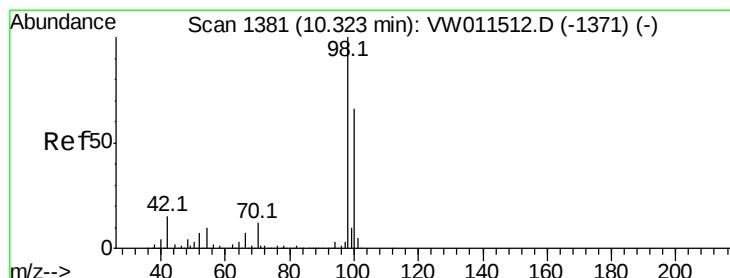
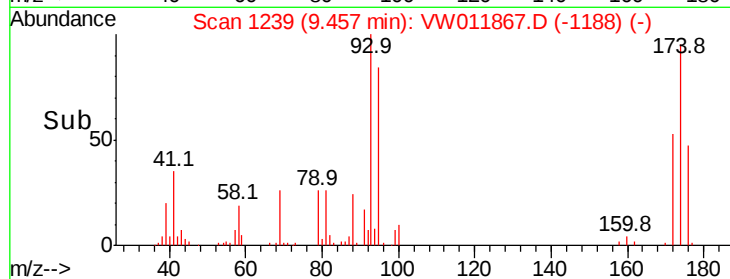
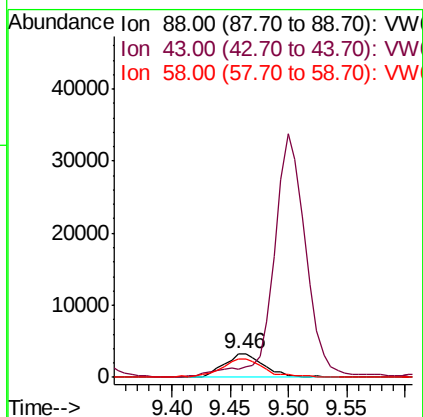
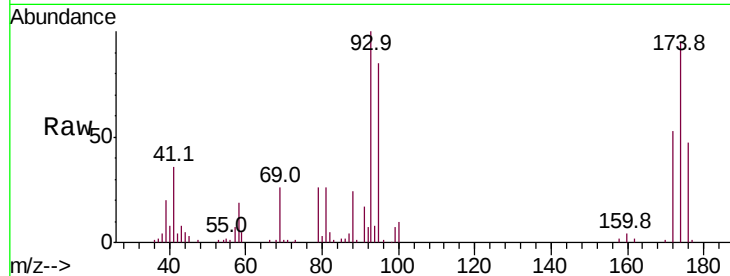
Tot Ion: 88 Resp: 7880

Ion Ratio Lower Upper

88 100

43 0.0 34.0 51.0#

58 85.1 69.7 104.5



#50

Toluene-d8

Concen: 54.309 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011867.D

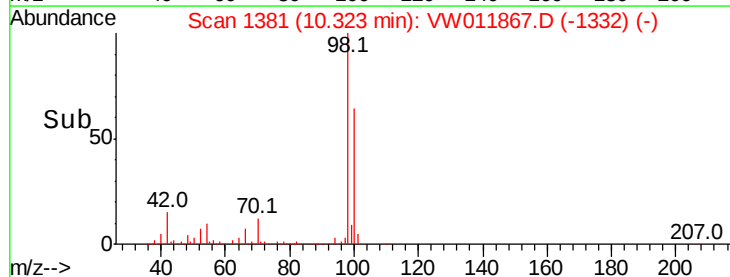
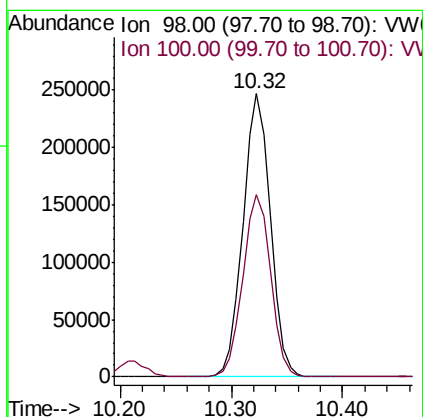
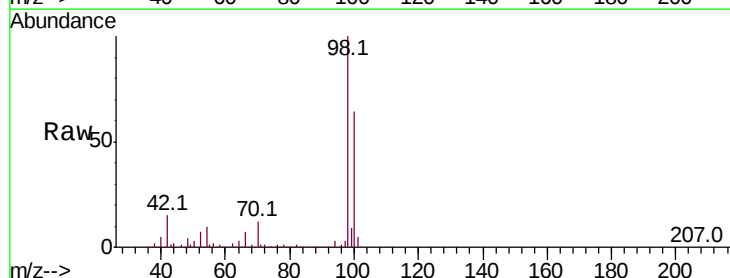
Acq: 12 Aug 2019 23:27

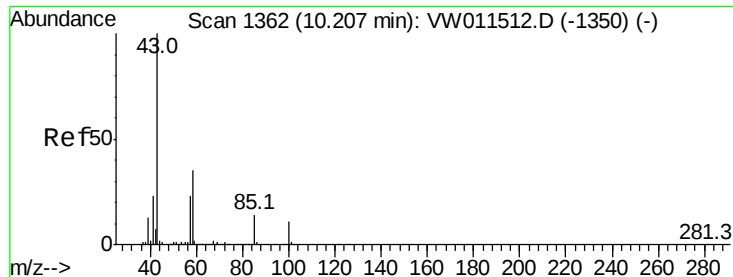
Tgt Ion: 98 Resp: 421412

Ion Ratio Lower Upper

98 100

100 65.5 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 108.858 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA_W

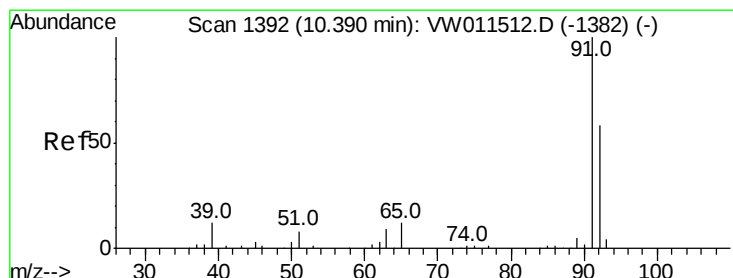
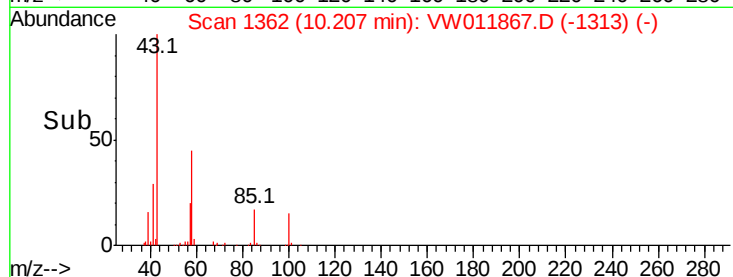
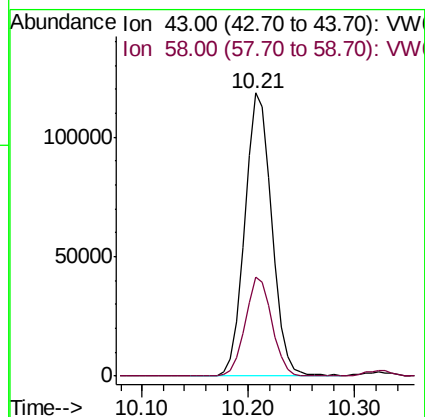
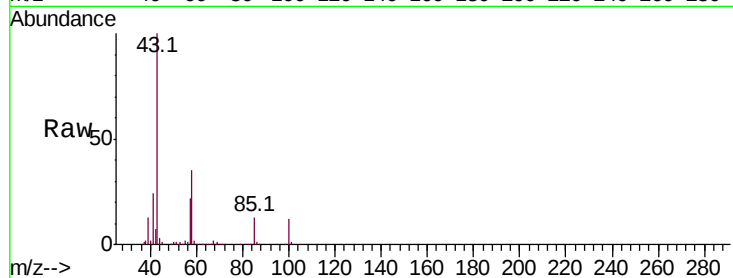
ClientSampleId :

Tot Ion: 43 Resp: 210445

Ion Ratio Lower Upper

43 100

58 34.7 28.2 42.2



#52

Toluene

Concen: 21.859 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011867.D

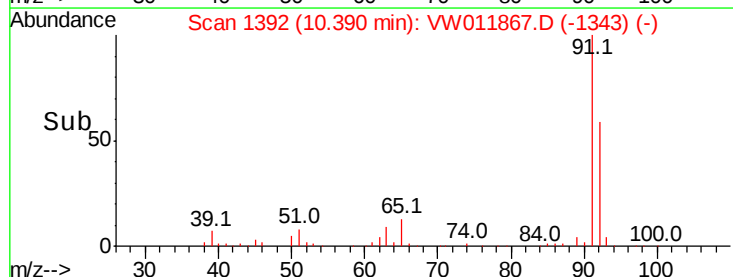
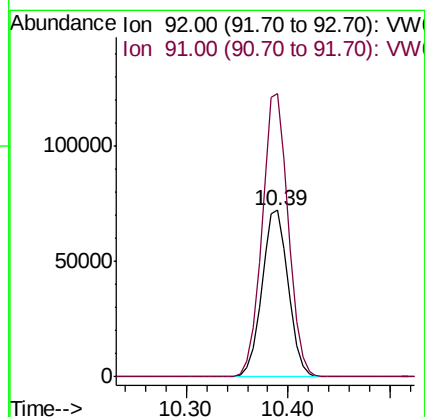
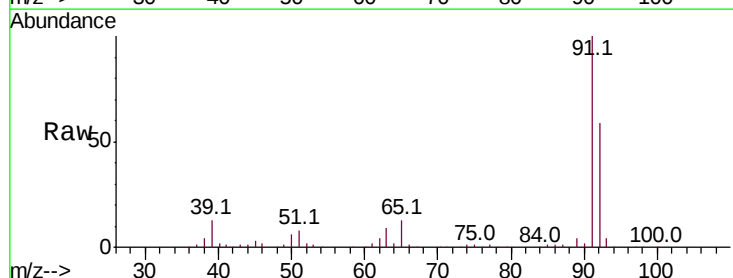
Acq: 12 Aug 2019 23:27

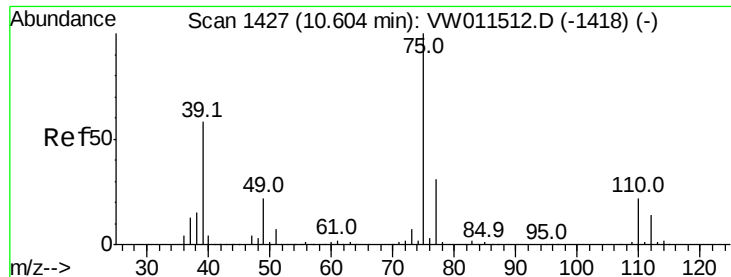
Tgt Ion: 92 Resp: 129881

Ion Ratio Lower Upper

92 100

91 168.6 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 20.873 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA_W

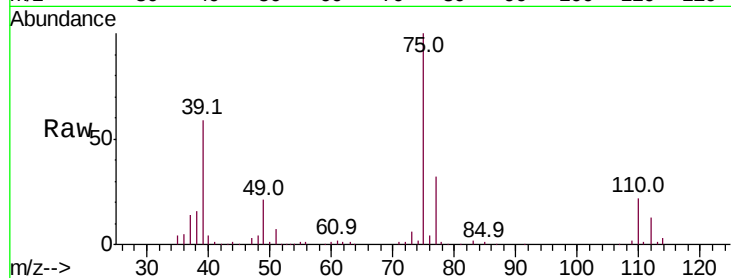
ClientSampled :

Tot Ion: 75 Resp: 68725

Ion Ratio Lower Upper

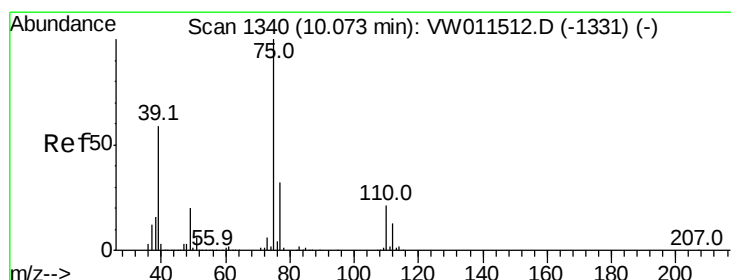
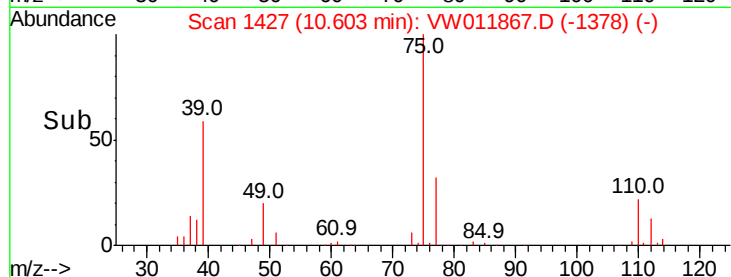
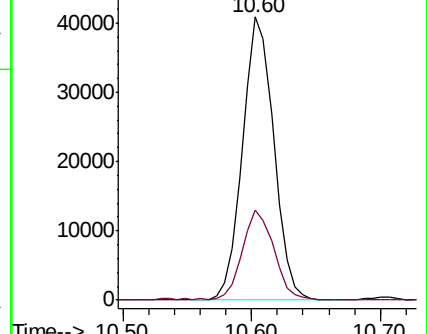
75 100

77 31.7 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 20.689 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

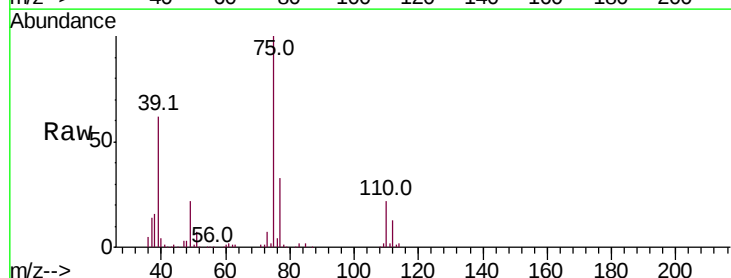
Tgt Ion: 75 Resp: 80994

Ion Ratio Lower Upper

75 100

77 32.7 25.6 38.4

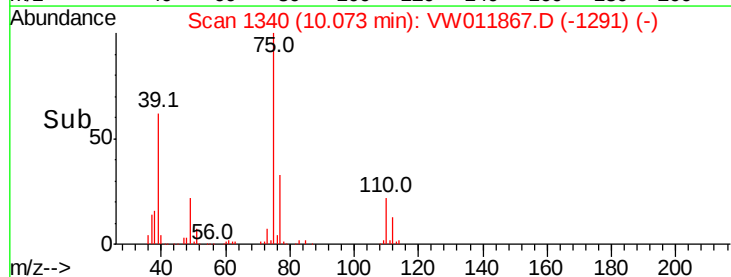
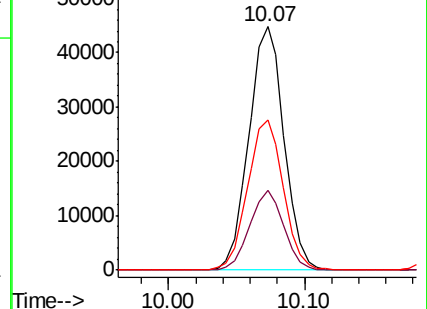
39 61.7 47.0 70.4

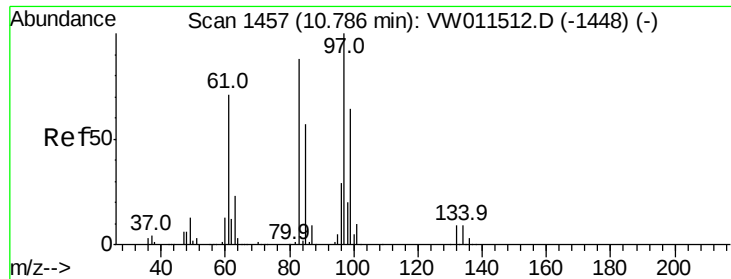


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

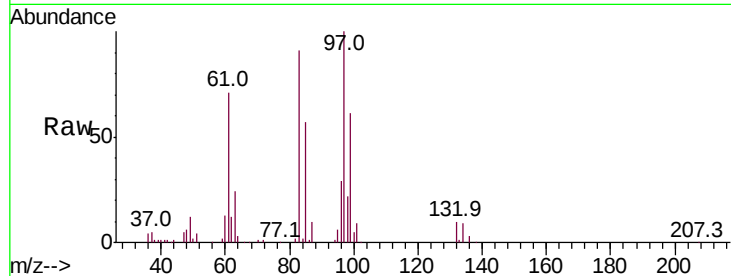




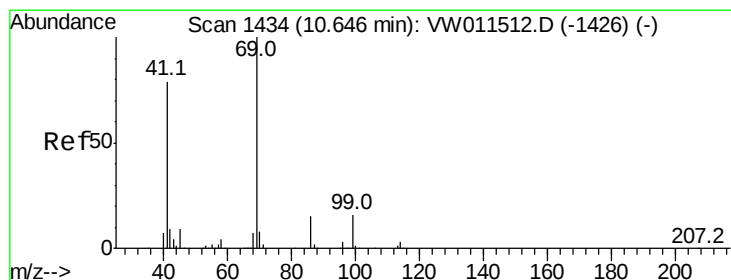
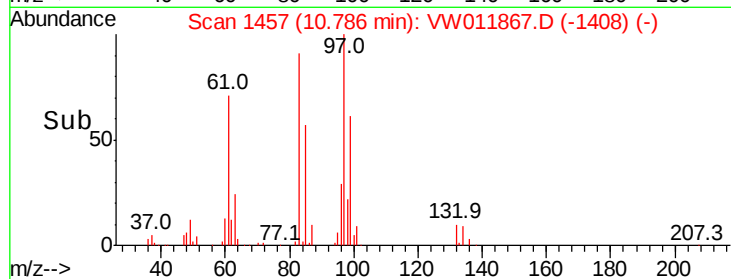
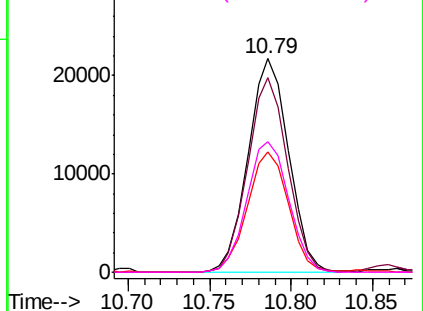
#55
 1,1,2-Trichloroethane
 Concen: 22.081 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011867.D
 Acq: 12 Aug 2019 23:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	37645
Ion	Ratio	Lower	Upper
97	100		
83	91.2	70.5	105.7
85	56.5	45.8	68.6
99	61.0	51.0	76.4

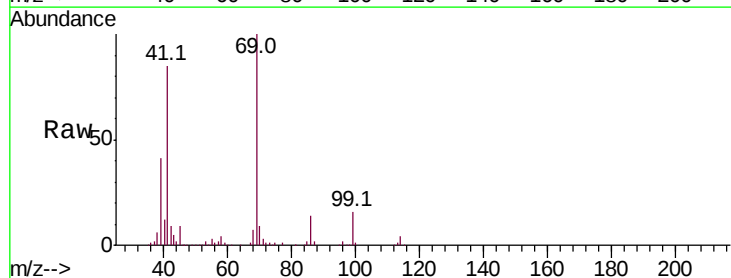


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

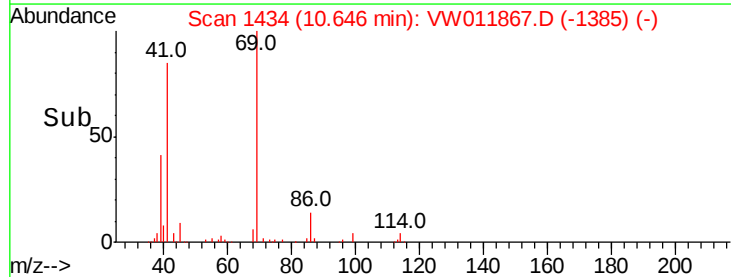
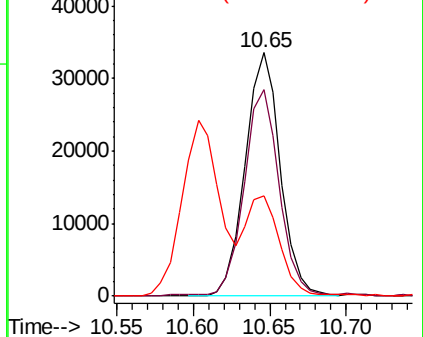


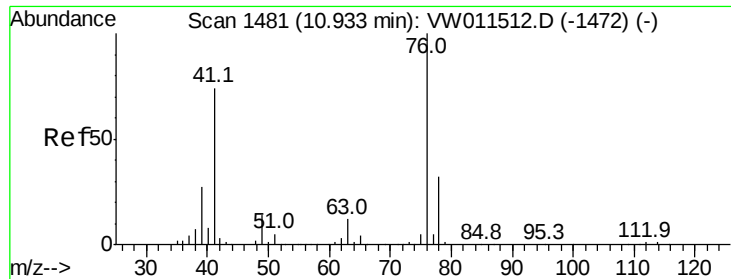
#56
 Ethyl methacrylate
 Concen: 21.441 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011867.D
 Acq: 12 Aug 2019 23:27

Tgt Ion:	69	Resp:	53491
Ion	Ratio	Lower	Upper
69	100		
41	85.4	66.6	99.8
39	39.6	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: 21.905 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

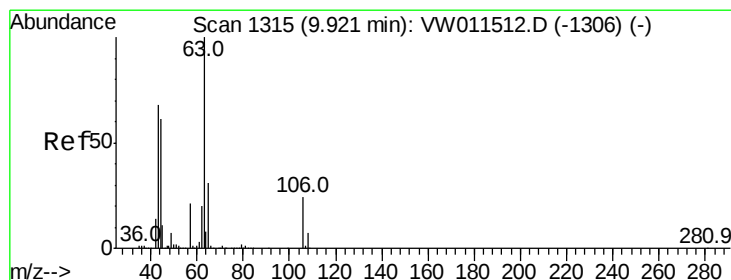
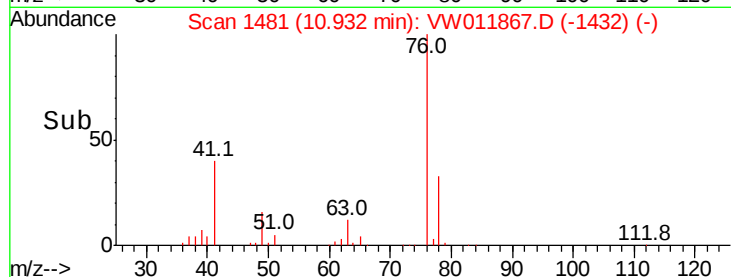
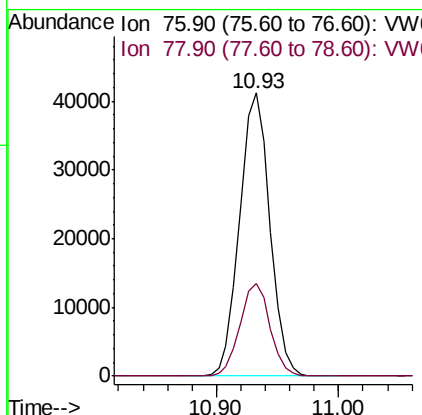
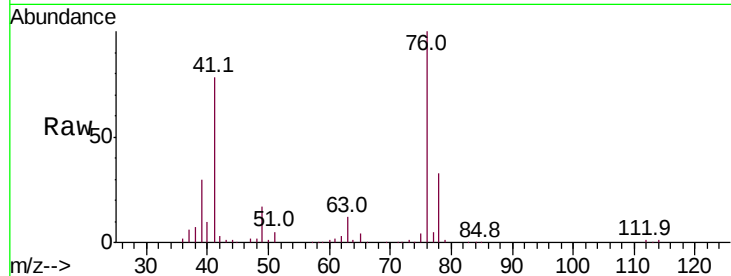
Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 76 Resp: 70653

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.2	37.8



#58

2-Chloroethyl Vinyl ether

Concen: 130.686 ug/l

RT: 9.93 min Scan# 1316

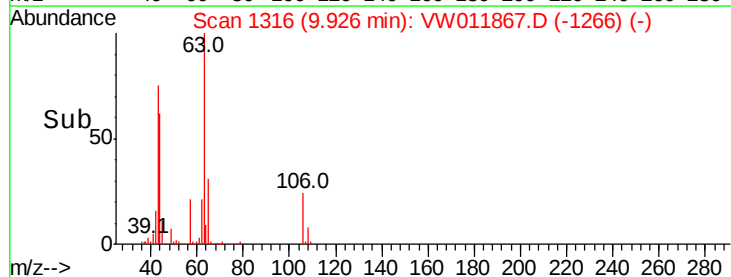
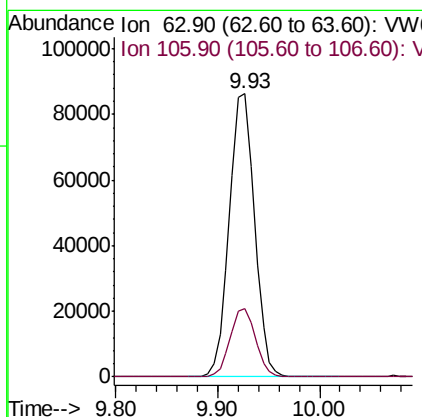
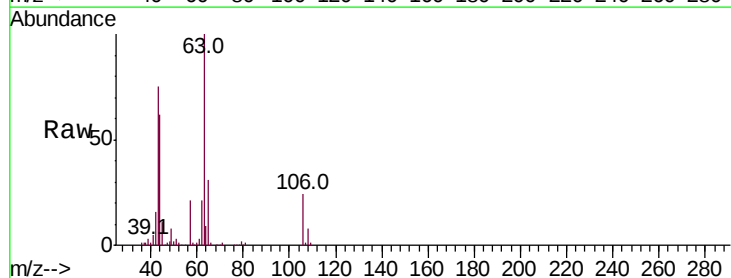
Delta R.T. 0.01 min

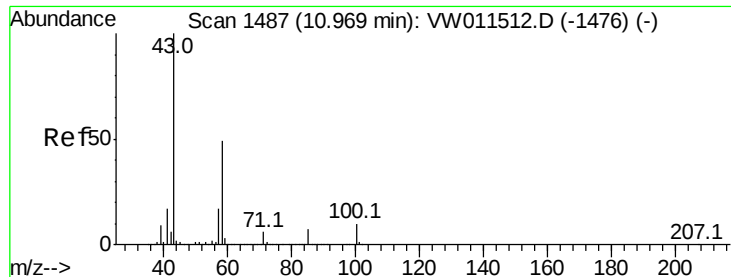
Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Tgt Ion: 63 Resp: 148030

Ion	Ratio	Lower	Upper
63	100		
106	24.3	19.7	29.5

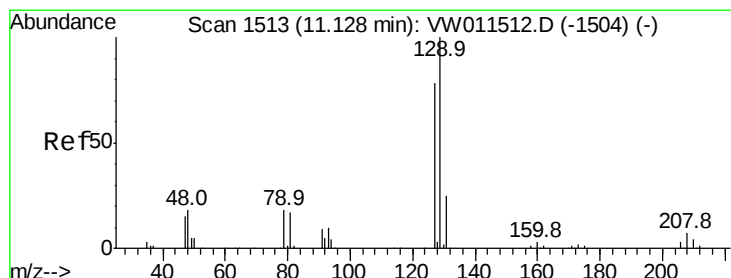
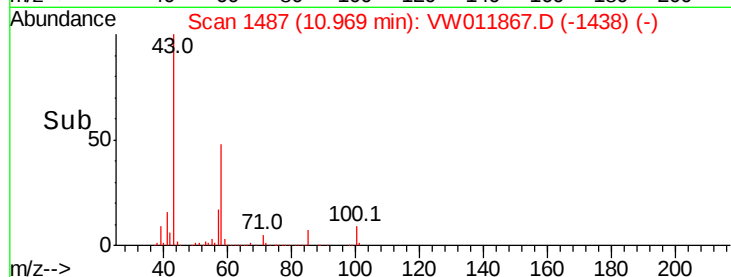
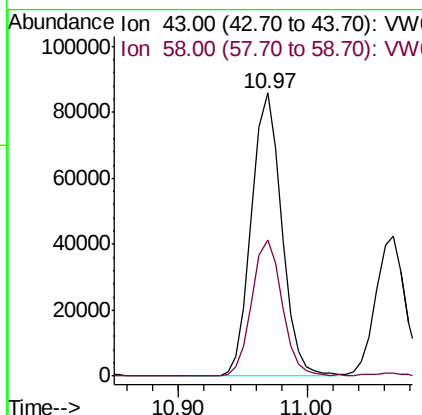
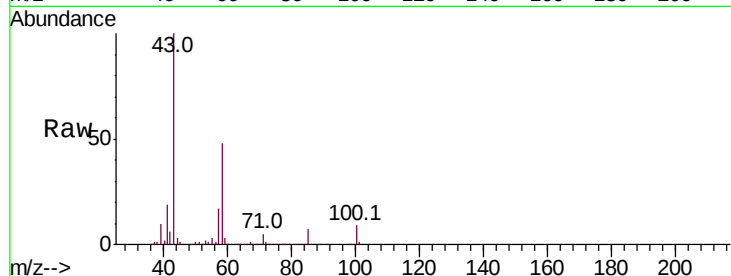




#59
2-Hexanone
Concen: 101.810 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

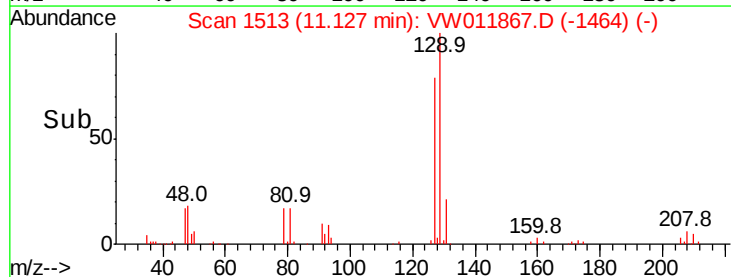
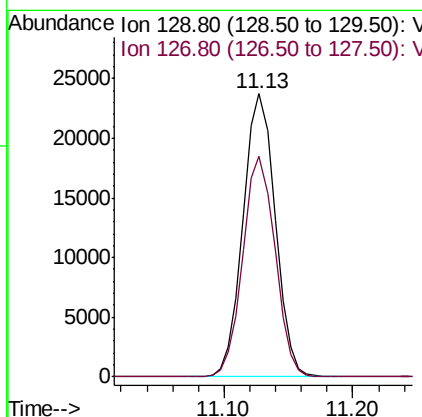
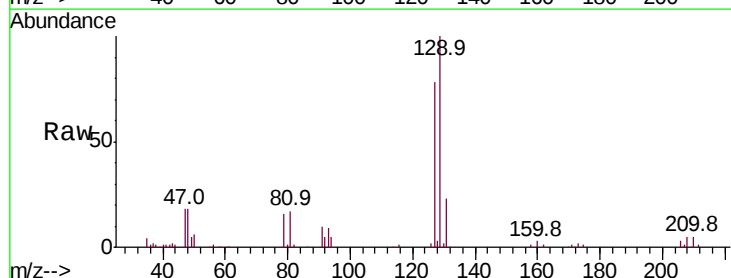
Instrument :
MSVOA_W
ClientSampleId :

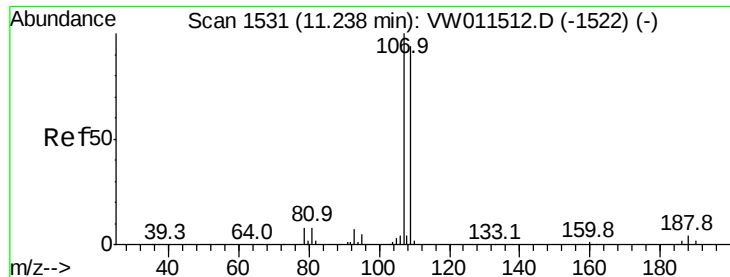
Tot Ion: 43 Resp: 138967
Ion Ratio Lower Upper
43 100
58 48.2 24.3 72.9



#60
Dibromochloromethane
Concen: 21.694 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

Tgt Ion: 129 Resp: 41054
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.7

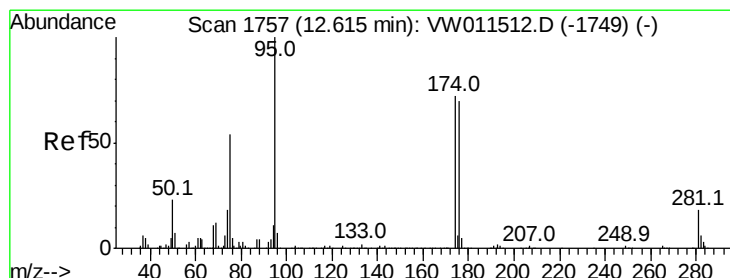
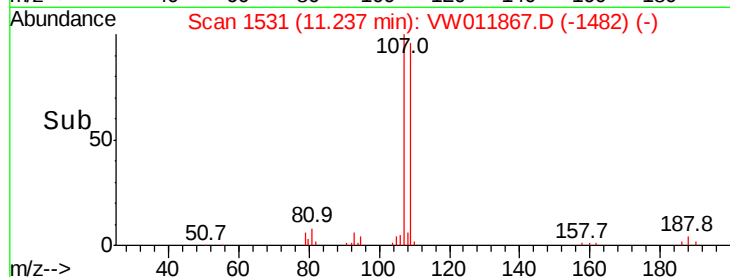
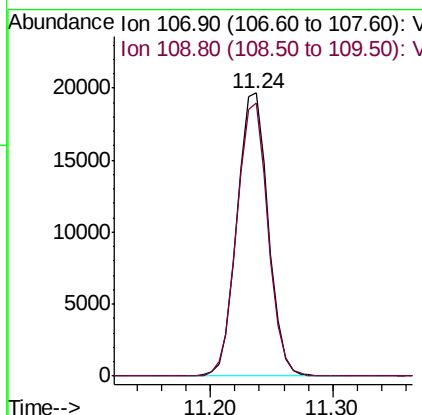
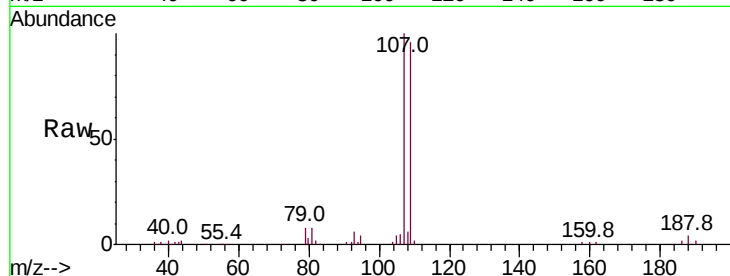




#61
 1,2-Dibromoethane
 Concen: 21.463 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011867.D
 Acq: 12 Aug 2019 23:27

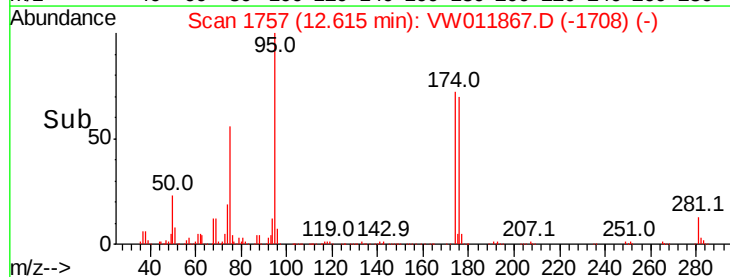
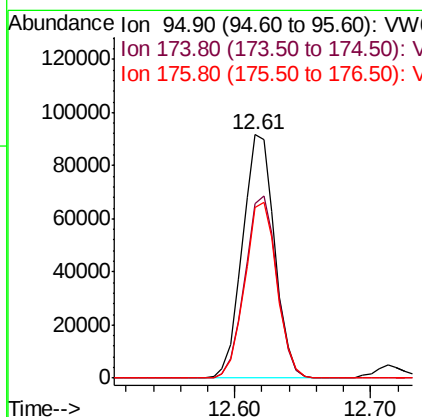
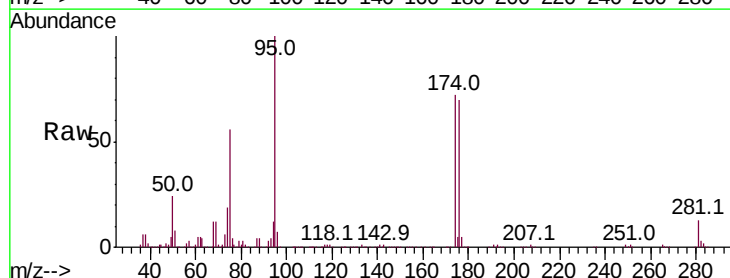
Instrument :
 MSVOA_W
 ClientSampleId :

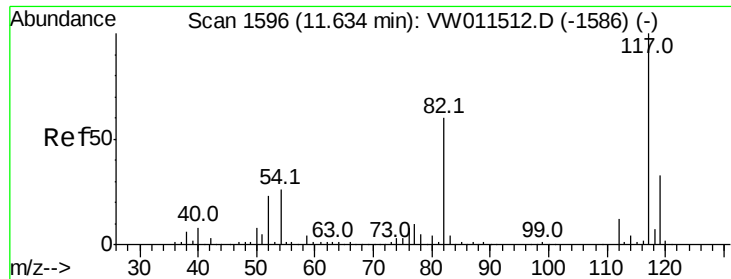
Tot Ion:107 Resp: 34627
 Ion Ratio Lower Upper
 107 100
 109 96.5 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 54.673 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011867.D
 Acq: 12 Aug 2019 23:27

Tgt Ion: 95 Resp: 151247
 Ion Ratio Lower Upper
 95 100
 174 74.7 0.0 150.2
 176 72.2 0.0 144.4

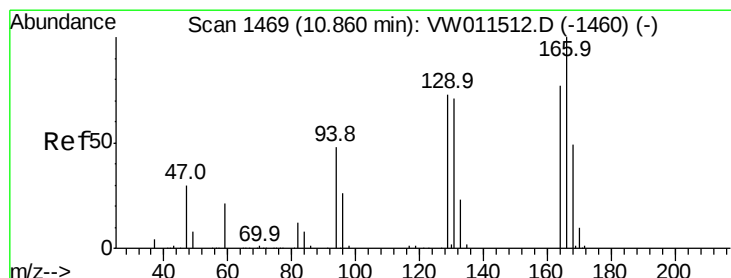
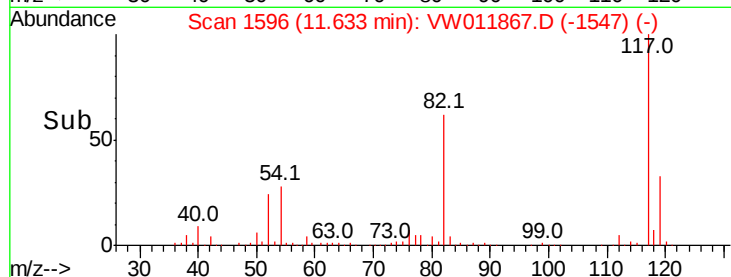
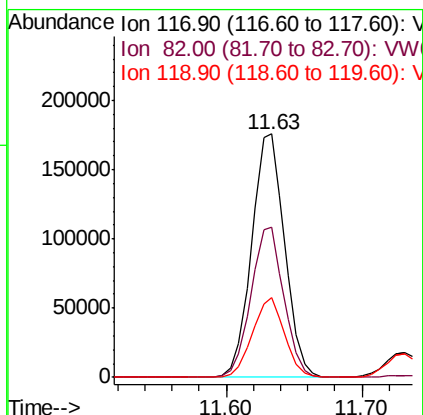
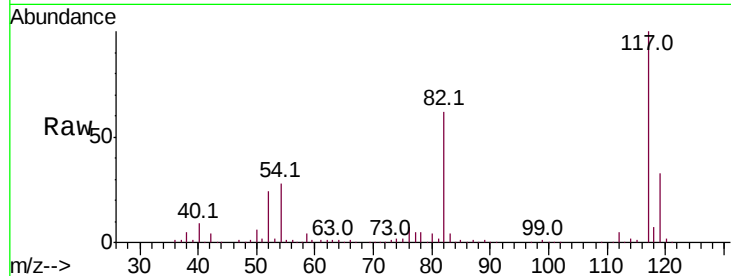




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

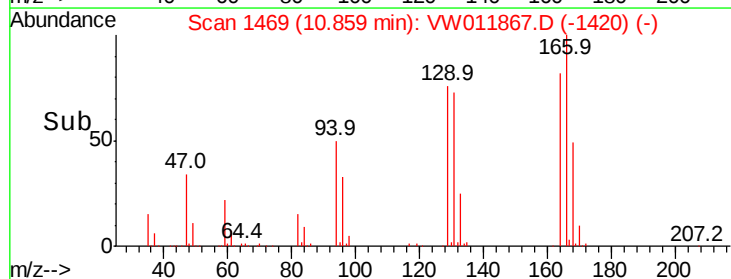
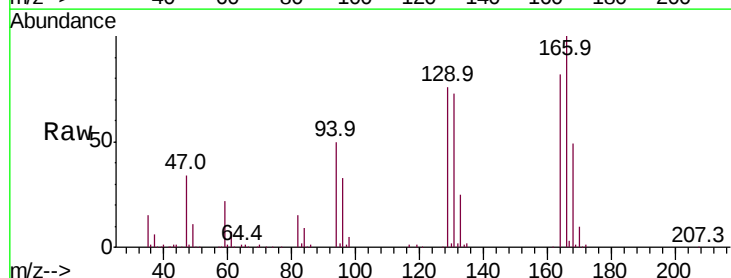
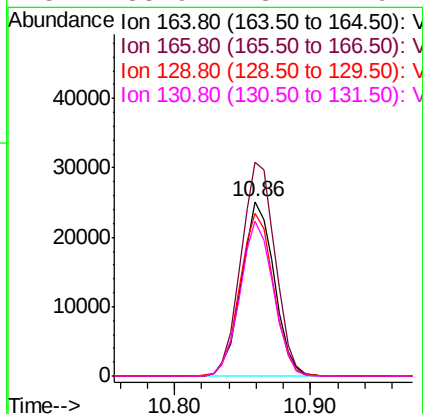
Instrument :
MSVOA_W
ClientSampleId :

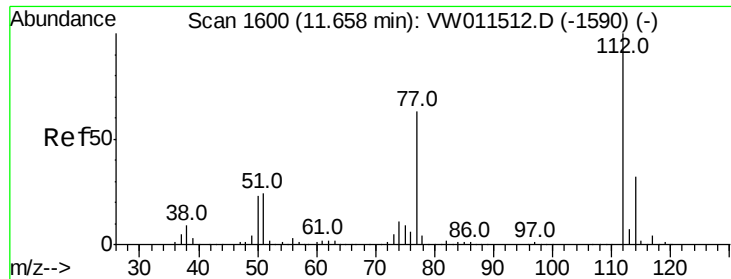
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.8	47.9	71.9
119	32.8	26.2	39.2



#64
Tetrachloroethene
Concen: 21.767 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.3	103.5	155.3
129	92.9	75.2	112.8
131	88.9	73.4	110.2

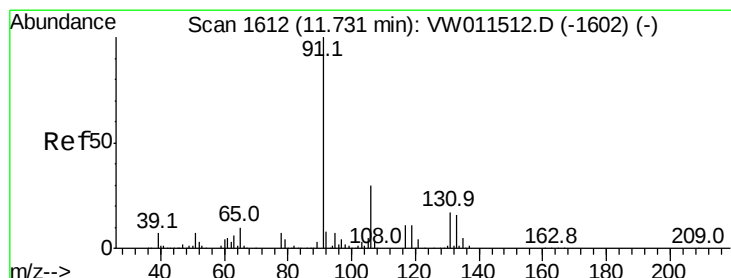
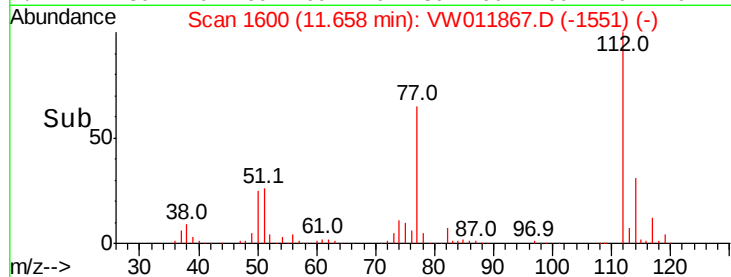
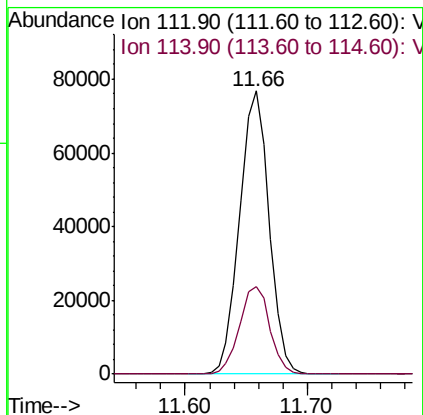
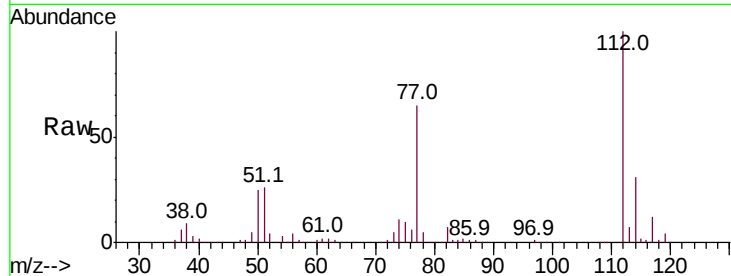




#65
Chlorobenzene
Concen: 21.421 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

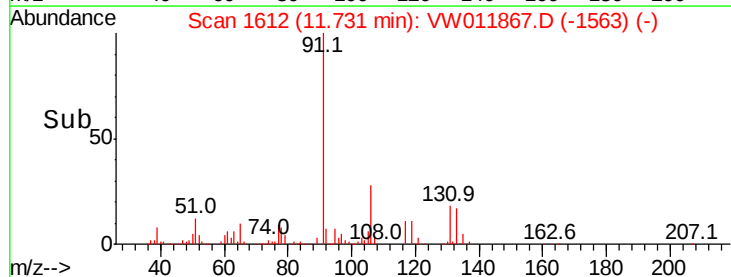
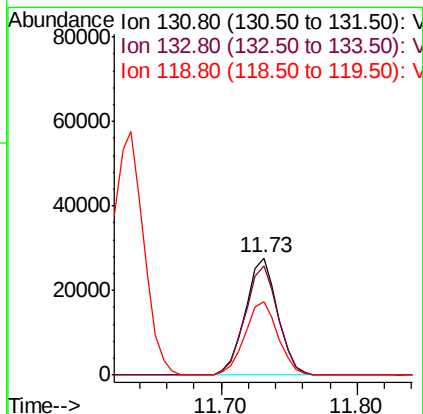
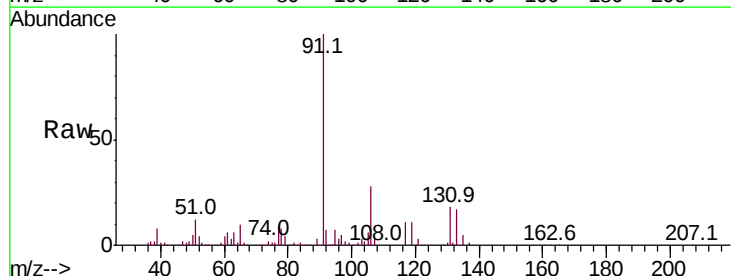
Instrument :
MSVOA_W
ClientSampled :

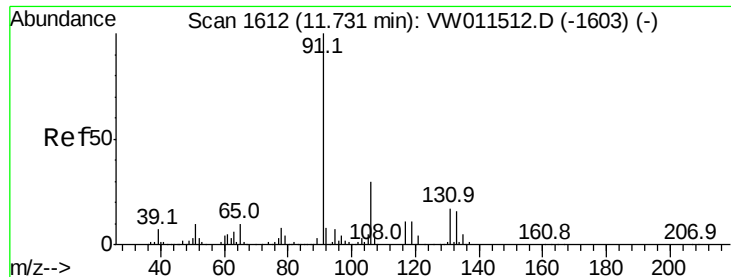
Tot Ion:112 Resp: 128707
Ion Ratio Lower Upper
112 100
114 31.1 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.932 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

Tgt Ion:131 Resp: 45901
Ion Ratio Lower Upper
131 100
133 95.9 47.4 142.2
119 64.7 32.3 96.9

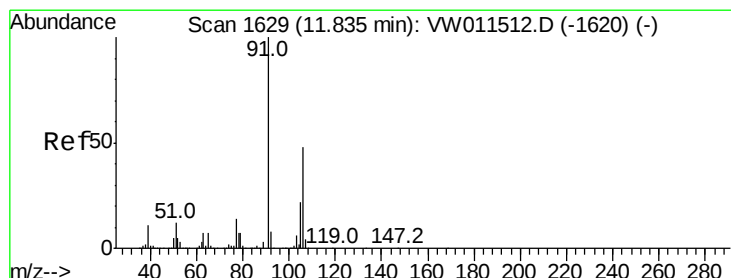
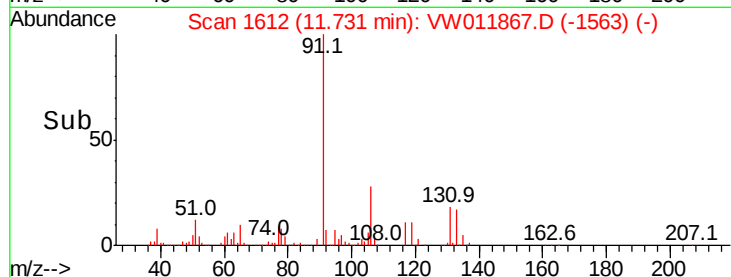
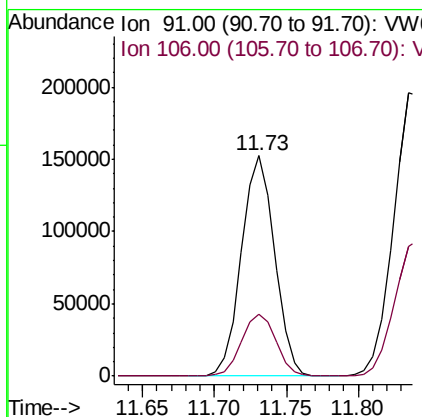
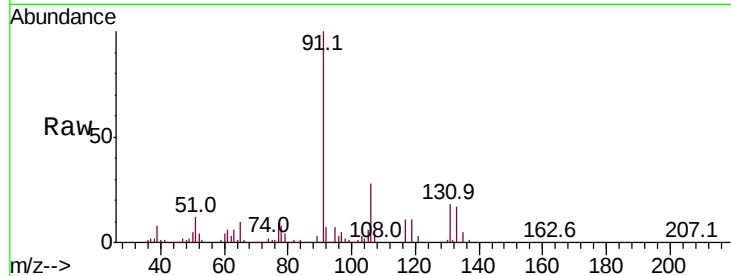




#67
Ethyl Benzene
Concen: 21.290 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

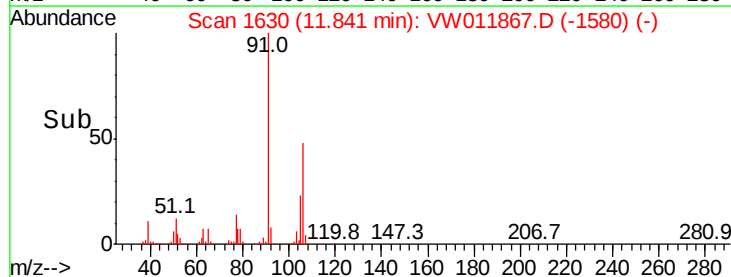
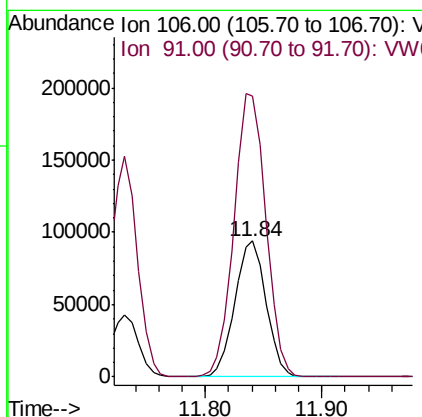
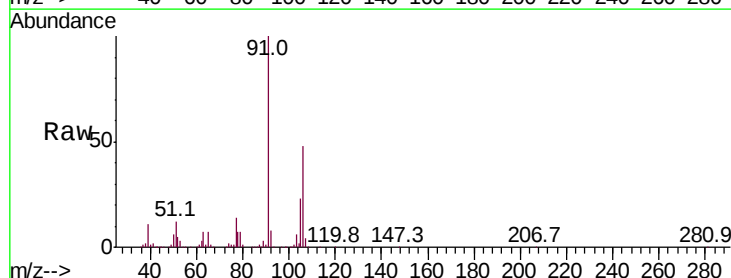
Instrument :
MSVOA_W
ClientSampleId :

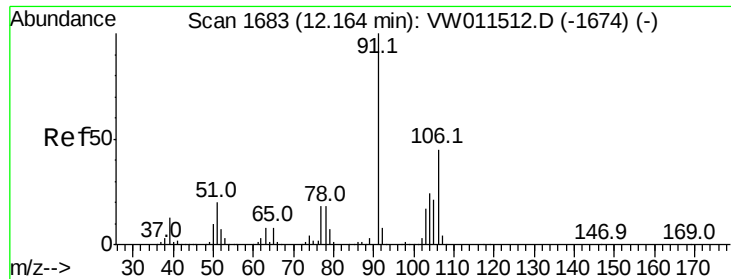
Tot Ion: 91 Resp: 243624
Ion Ratio Lower Upper
91 100
106 28.2 23.8 35.6



#68
m/p-Xylenes
Concen: 42.262 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

Tgt Ion:106 Resp: 175874
Ion Ratio Lower Upper
106 100
91 212.5 168.2 252.2

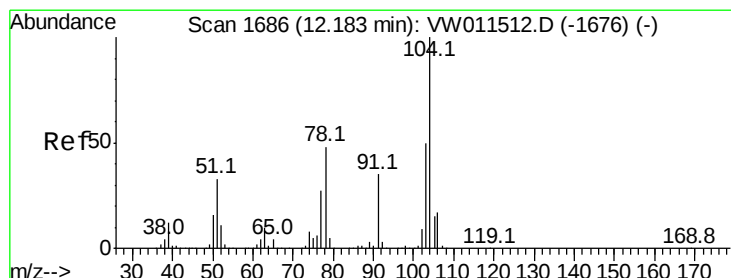
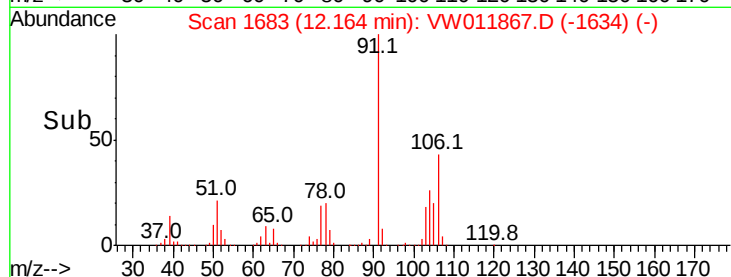
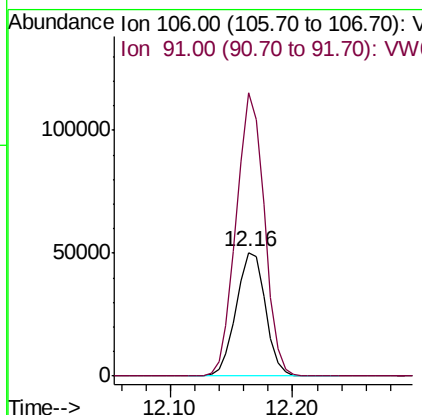
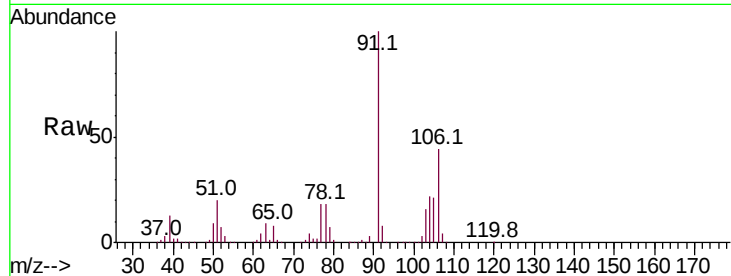




#69
o-Xylene
Concen: 21.440 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

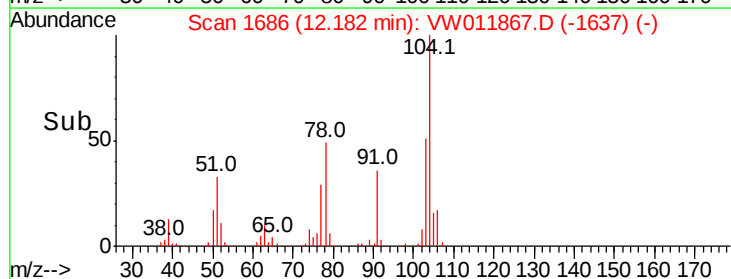
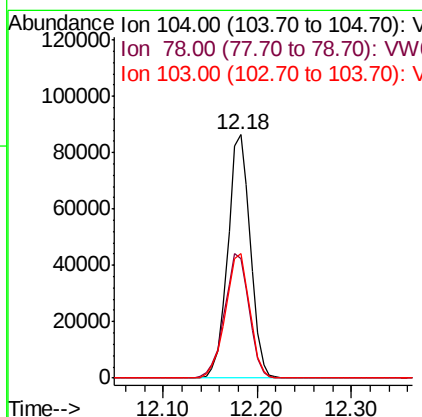
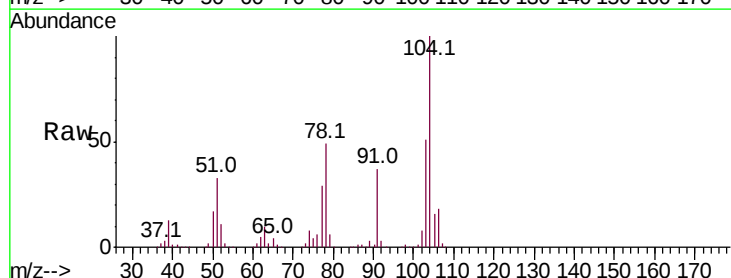
Instrument :
MSVOA_W
ClientSampled :

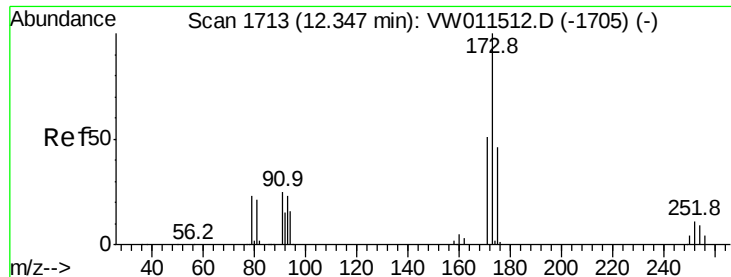
Tot Ion:106 Resp: 82912
Ion Ratio Lower Upper
106 100
91 222.4 110.5 331.5



#70
Styrene
Concen: 21.321 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

Tgt Ion:104 Resp: 142559
Ion Ratio Lower Upper
104 100
78 55.5 43.4 65.0
103 55.3 43.9 65.9

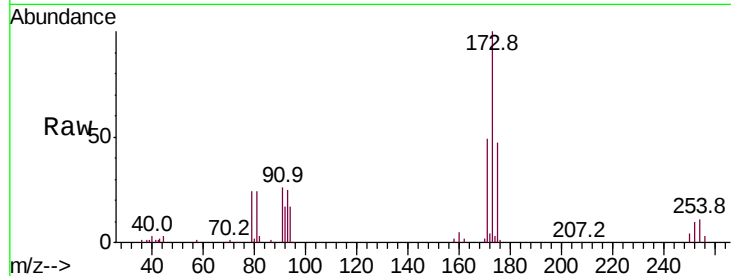




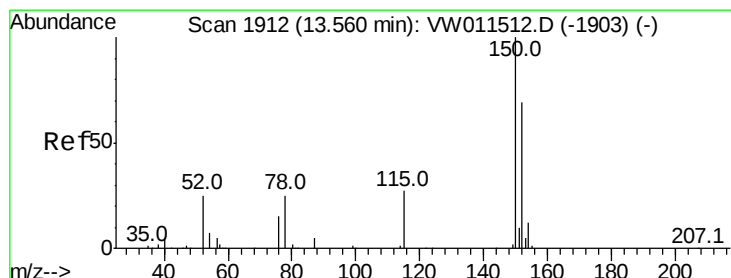
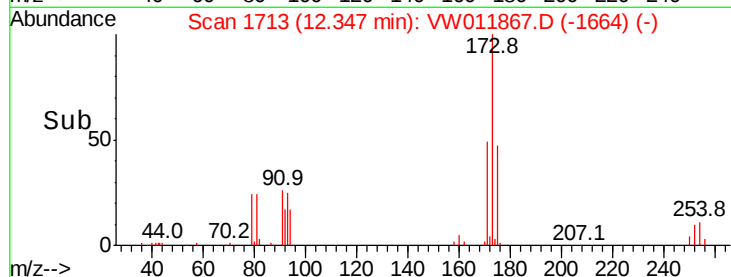
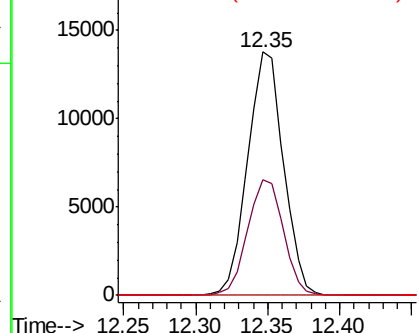
#71
Bromoform
Concen: 22.156 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 23642
Ion Ratio Lower Upper
173 100
175 47.4 23.6 71.0
254 0.0 0.1 0.1#

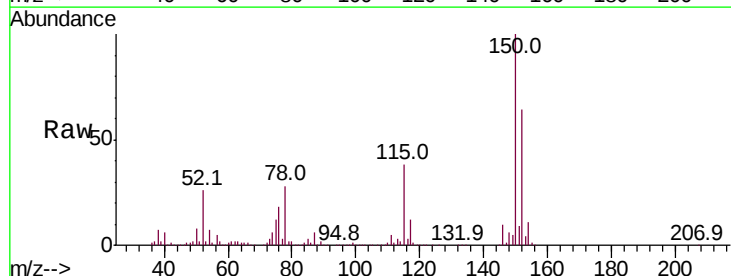


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

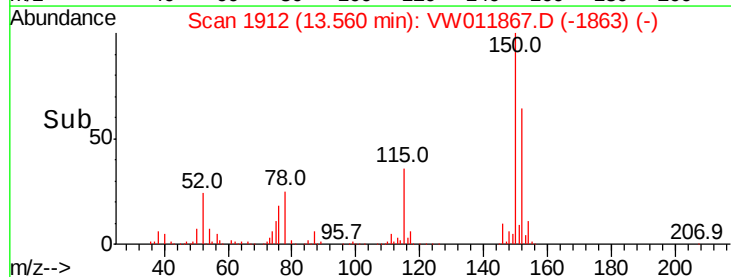
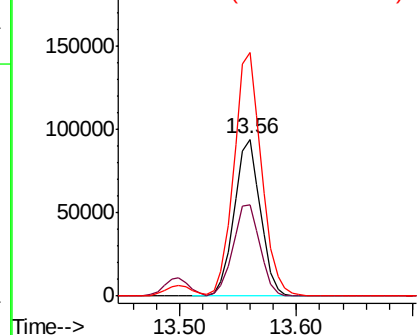


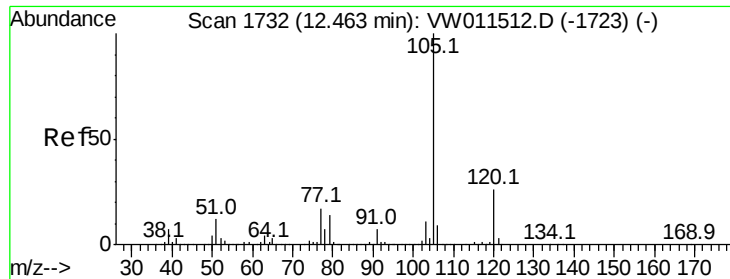
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011867.D
Acq: 12 Aug 2019 23:27

Tgt Ion:152 Resp: 146350
Ion Ratio Lower Upper
152 100
115 60.3 30.5 91.5
150 163.7 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: 20.876 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA_W

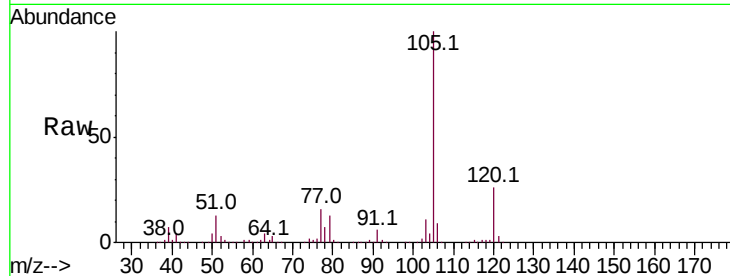
ClientSampleId :

Tot Ion:105 Resp: 227927

Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

50000

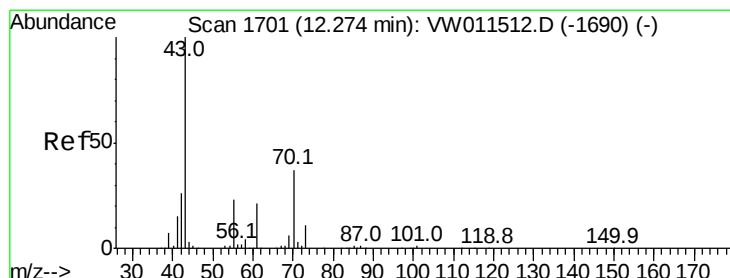
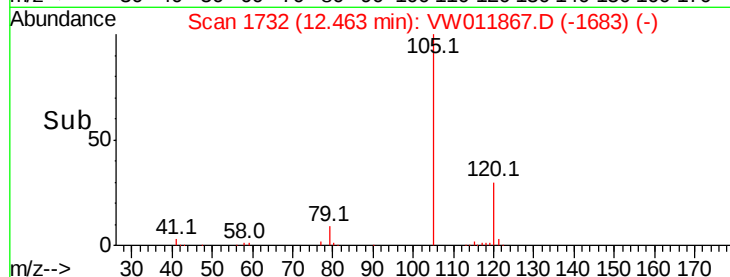
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 21.106 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Tgt Ion: 43 Resp: 72144

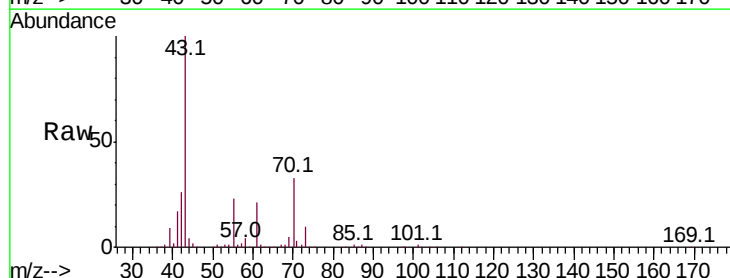
Ion Ratio Lower Upper

43 100

70 34.4 28.6 43.0

55 23.4 17.8 26.8

61 21.0 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

60000

40000

20000

0

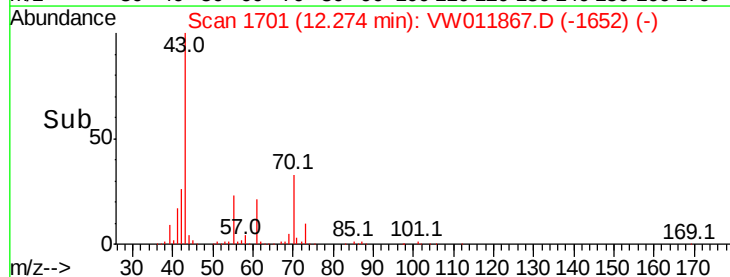
12.27

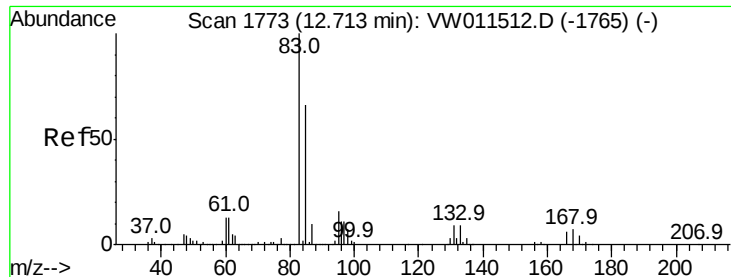
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.161 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA_W

ClientSampleId :

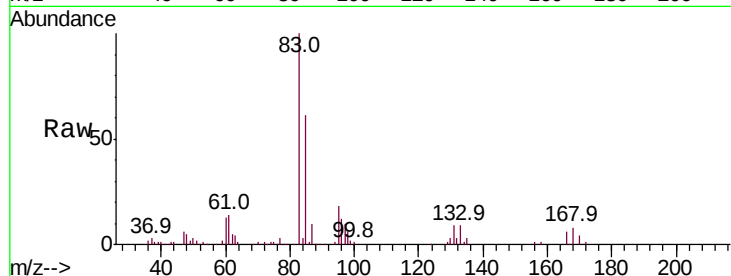
Tot Ion: 83 Resp: 45512

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.6

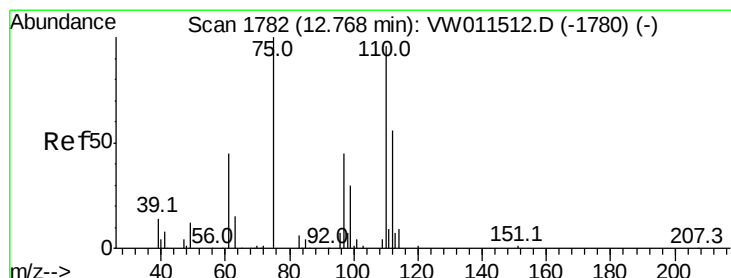
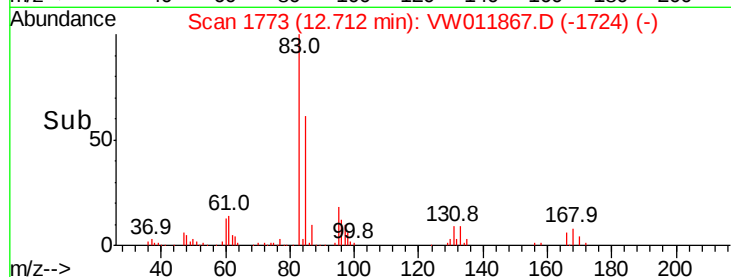
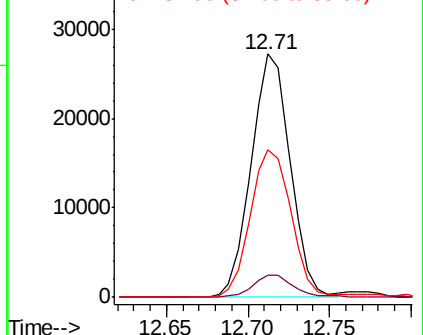
85 62.9 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 38.326 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011867.D

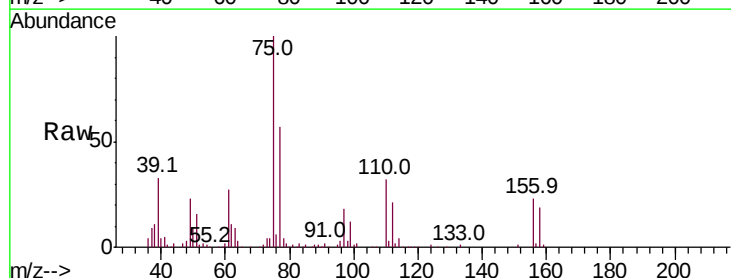
Acq: 12 Aug 2019 23:27

Tgt Ion: 75 Resp: 59350

Ion Ratio Lower Upper

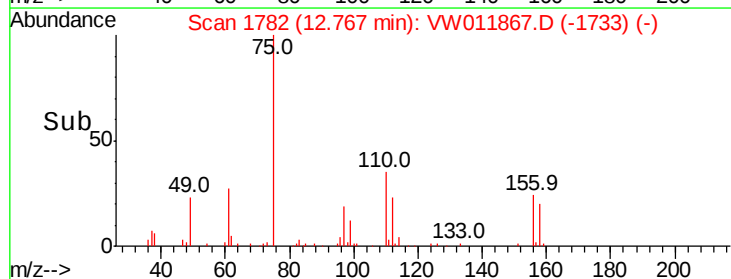
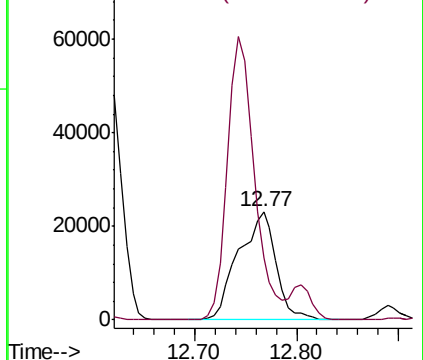
75 100

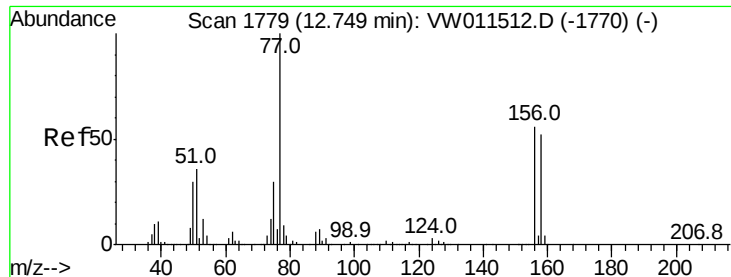
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.302 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA_W

ClientSampled :

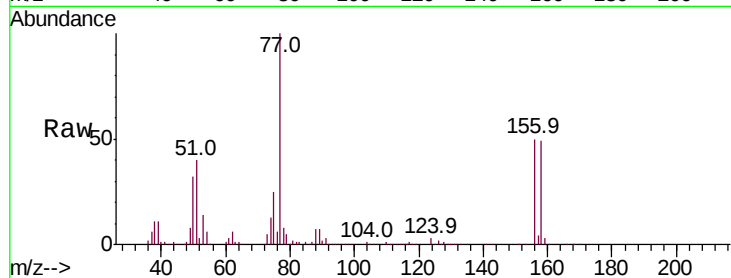
Tot Ion:156 Resp: 51407

Ion Ratio Lower Upper

156 100

77 216.4 106.5 319.4

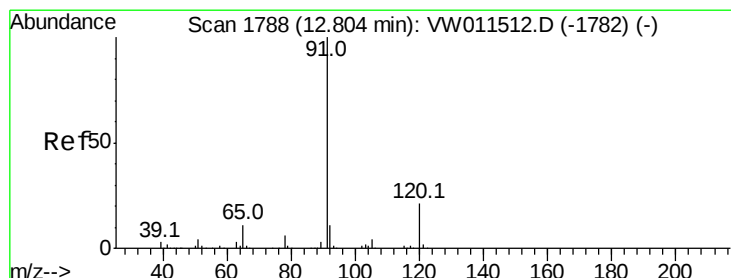
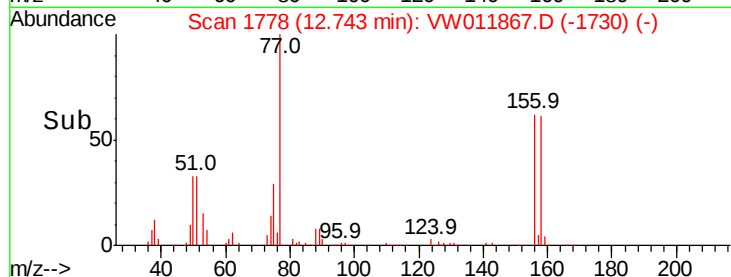
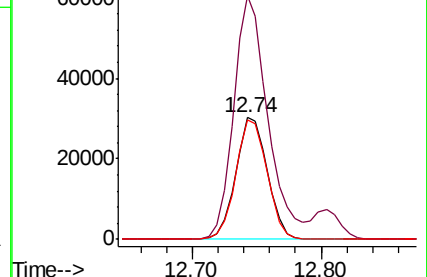
158 97.4 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.922 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011867.D

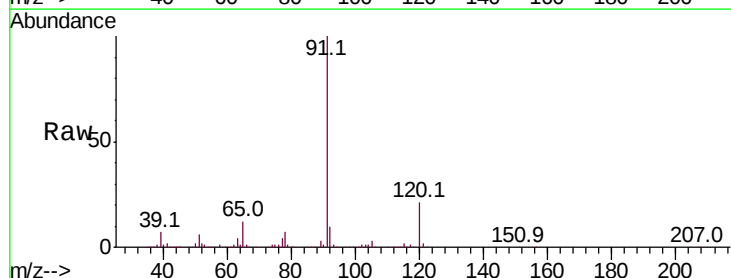
Acq: 12 Aug 2019 23:27

Tgt Ion: 91 Resp: 278003

Ion Ratio Lower Upper

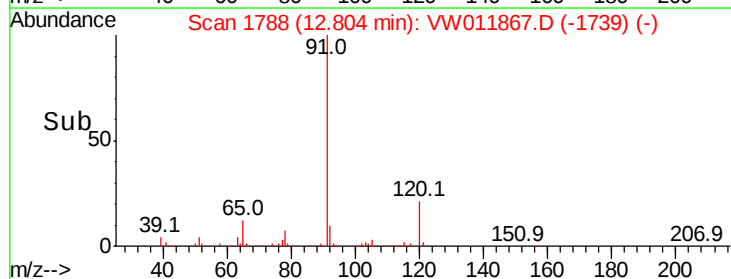
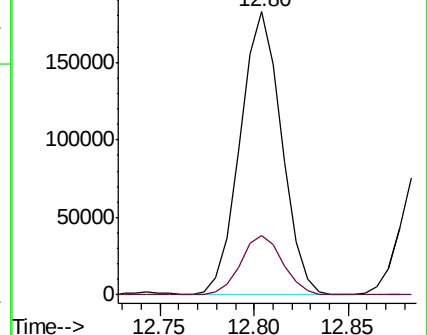
91 100

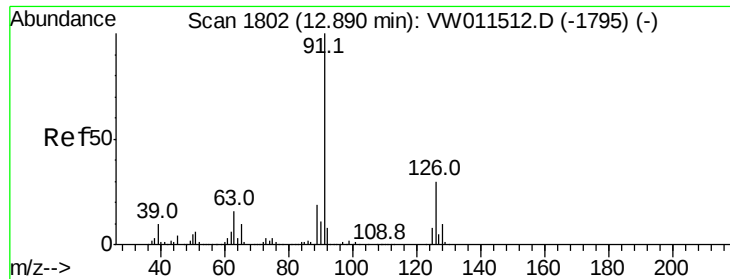
120 21.3 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.984 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA_W

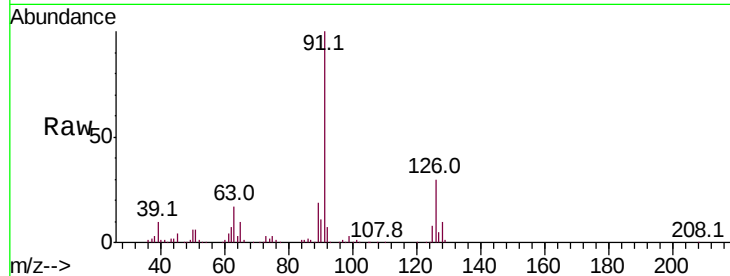
ClientSampleId :

Tot Ion: 91 Resp: 160630

Ion Ratio Lower Upper

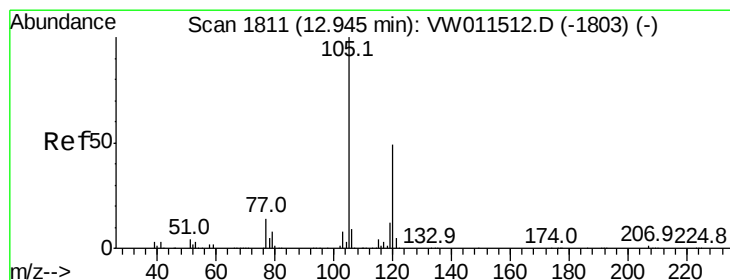
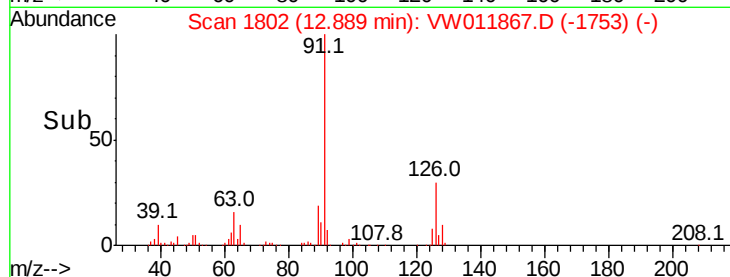
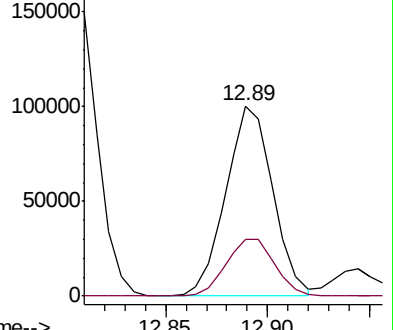
91 100

126 31.5 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: 21.207 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011867.D

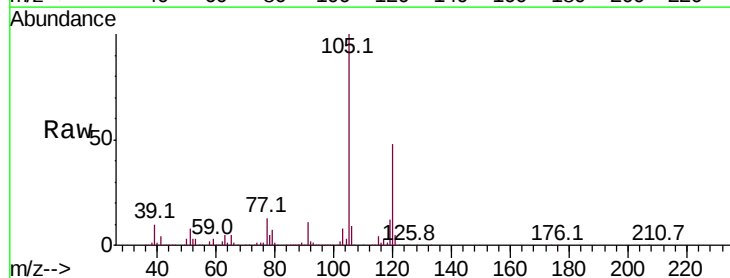
Acq: 12 Aug 2019 23:27

Tgt Ion:105 Resp: 194091

Ion Ratio Lower Upper

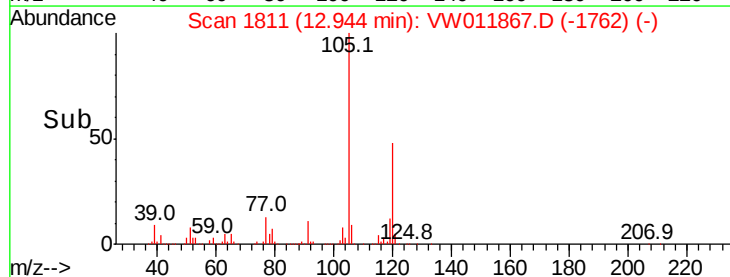
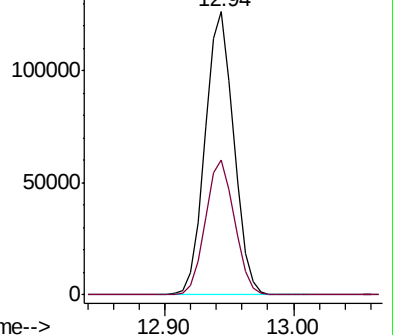
105 100

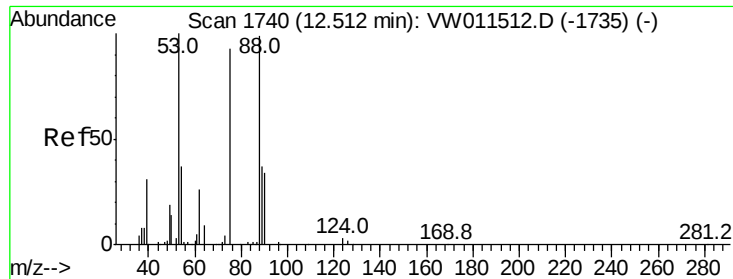
120 48.5 24.1 72.3



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: 20.304 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA_W

ClientSampleId :

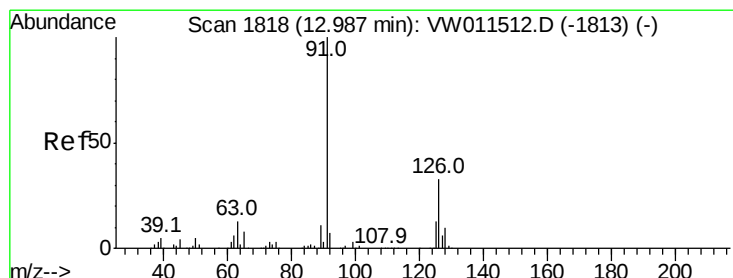
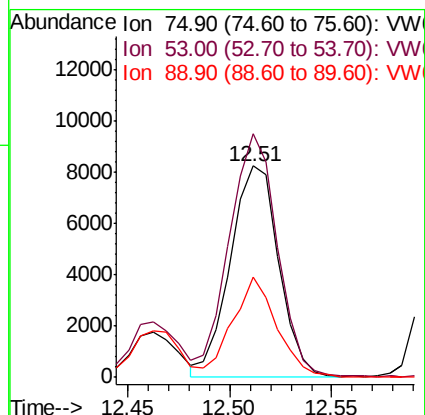
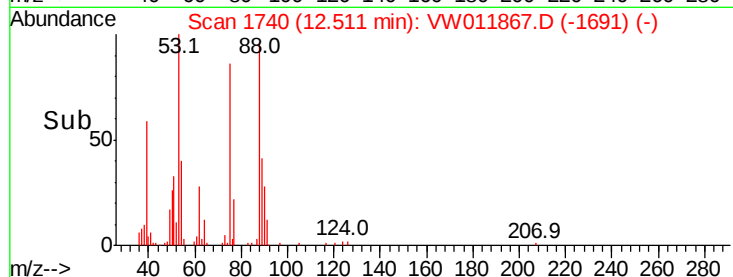
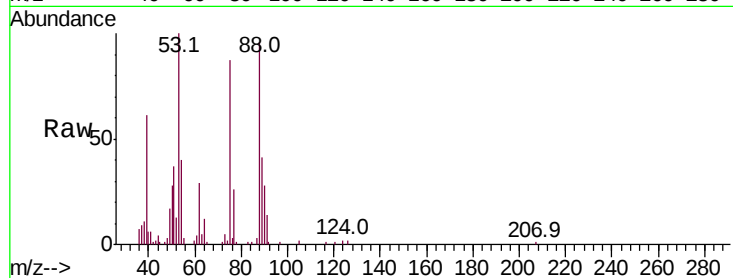
Tot Ion: 75 Resp: 13643

Ion Ratio Lower Upper

75 100

53 114.6 88.0 132.0

89 42.9 35.3 52.9



#82

4-Chlorotoluene

Concen: 21.117 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011867.D

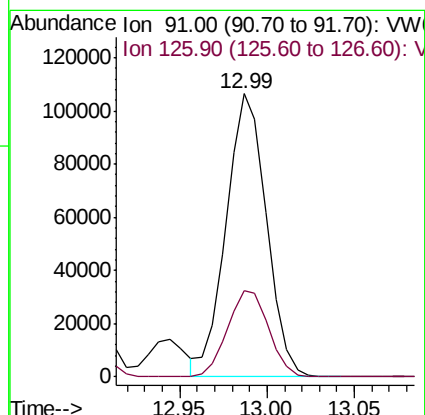
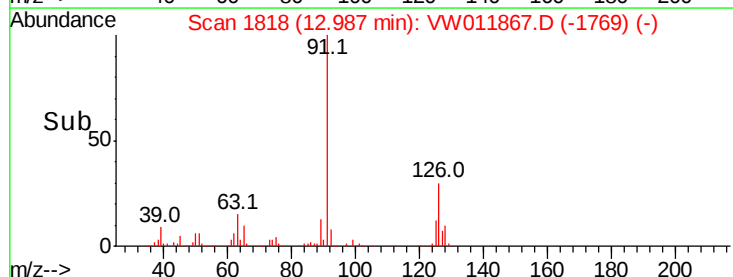
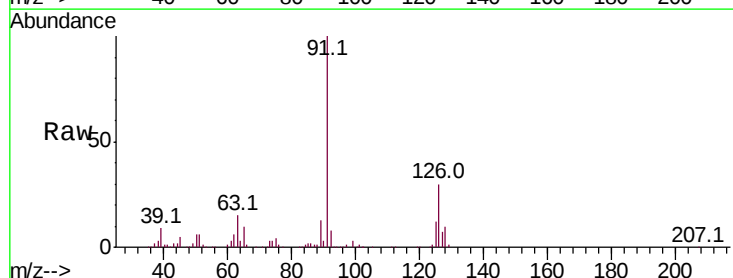
Acq: 12 Aug 2019 23:27

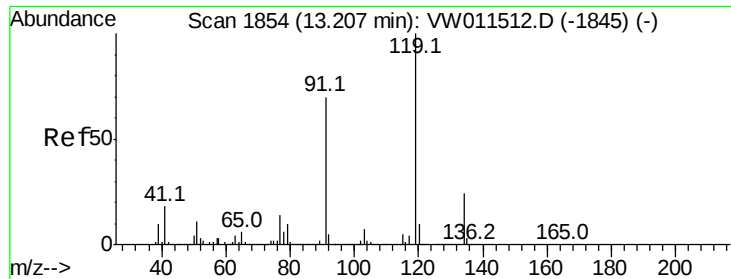
Tgt Ion: 91 Resp: 169601

Ion Ratio Lower Upper

91 100

126 31.4 15.6 46.8





#83

tert-Butylbenzene

Concen: 21.385 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA_W

ClientSampled :

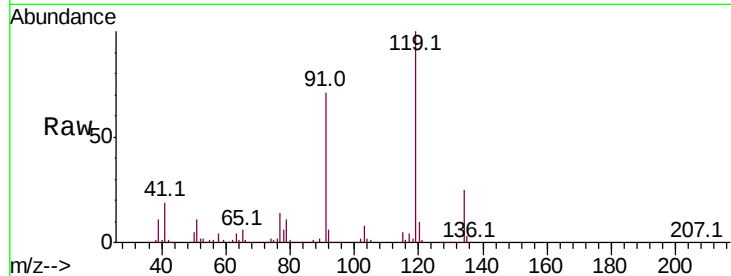
Tot Ion:119 Resp: 163664

Ion Ratio Lower Upper

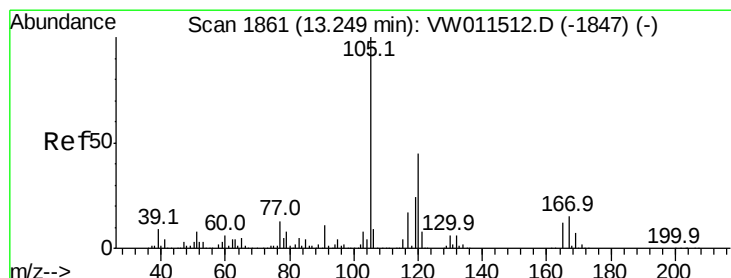
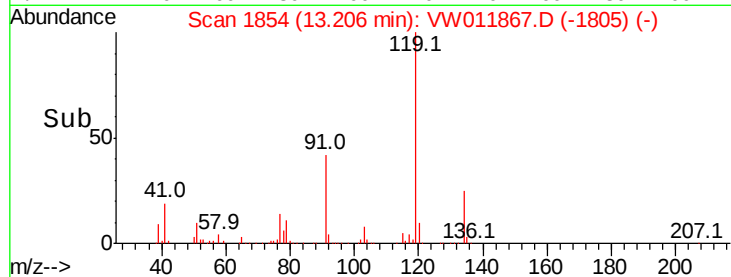
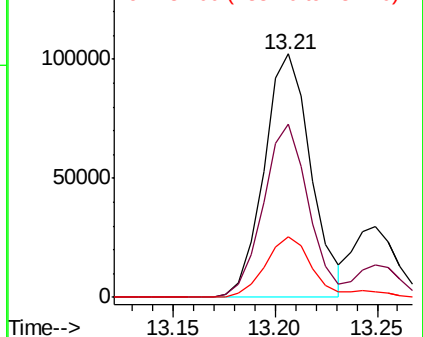
119 100

91 68.8 34.5 103.6

134 24.6 12.4 37.4



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



#84

1,2,4-Trimethylbenzene

Concen: 21.237 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW011867.D

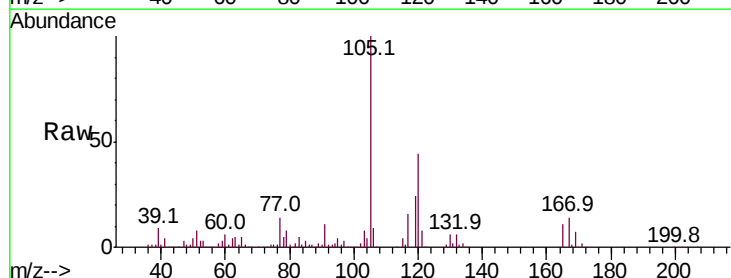
Acq: 12 Aug 2019 23:27

Tgt Ion:105 Resp: 195793

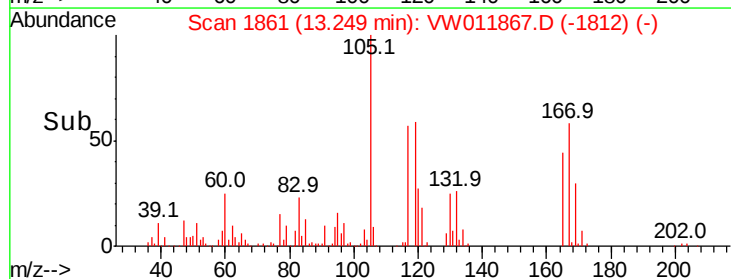
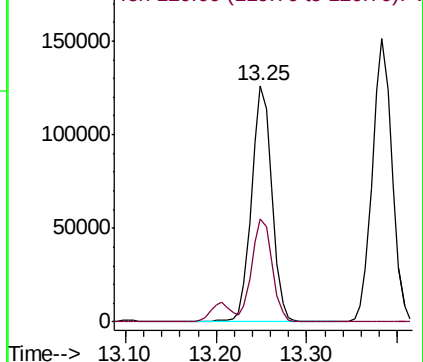
Ion Ratio Lower Upper

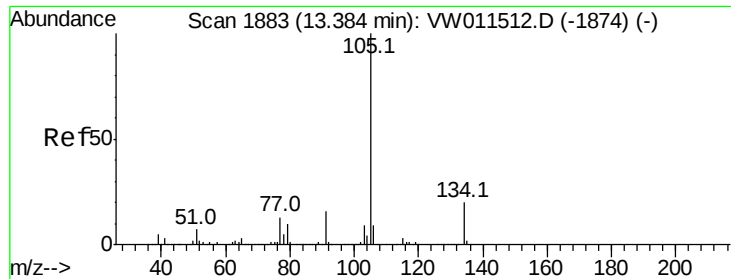
105 100

120 43.6 22.1 66.5



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





#85

sec-Butylbenzene

Concen: 20.792 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA_W

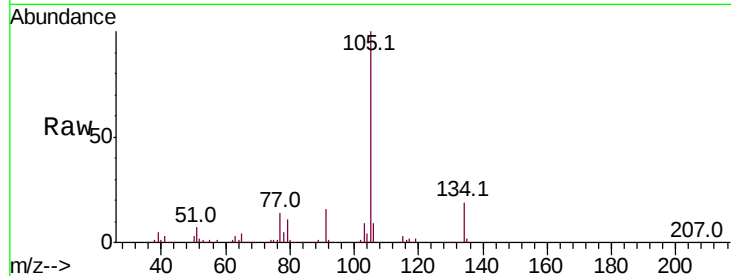
ClientSampleId :

Tot Ion:105 Resp: 227057

Ion Ratio Lower Upper

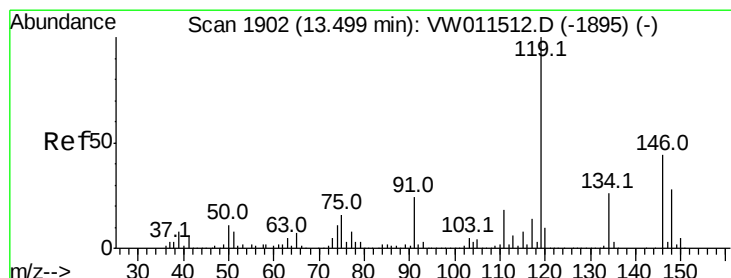
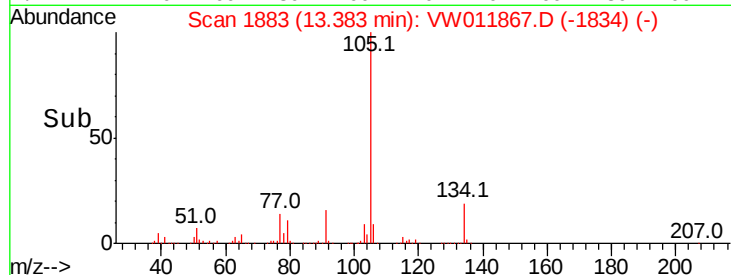
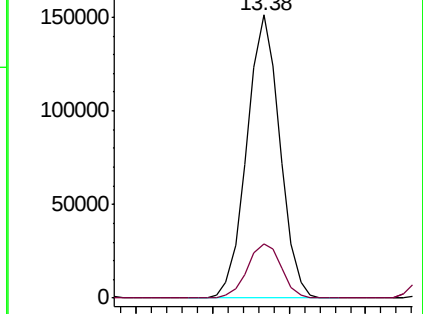
105 100

134 19.9 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.888 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

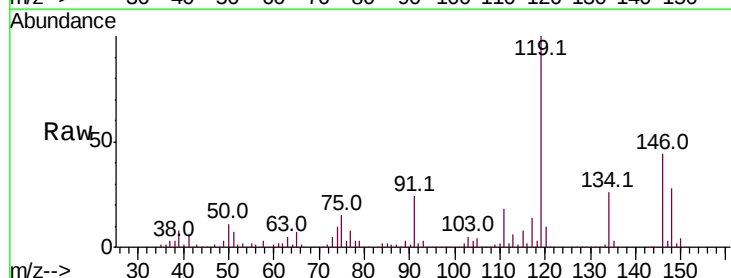
Tgt Ion:119 Resp: 206966

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

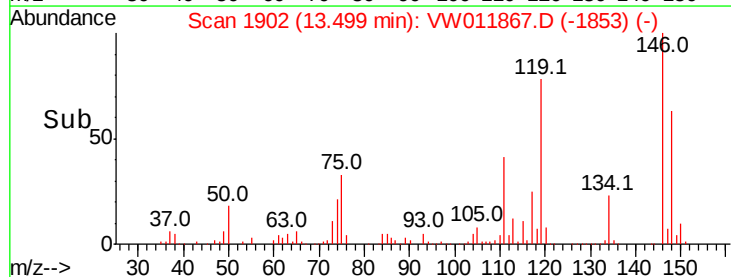
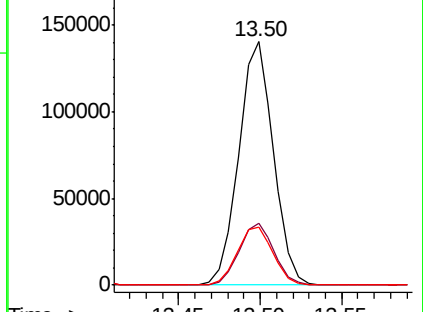
91 24.4 12.1 36.3

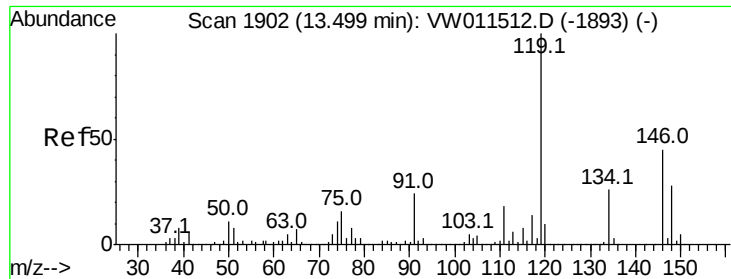


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.918 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA_W

ClientSampleId :

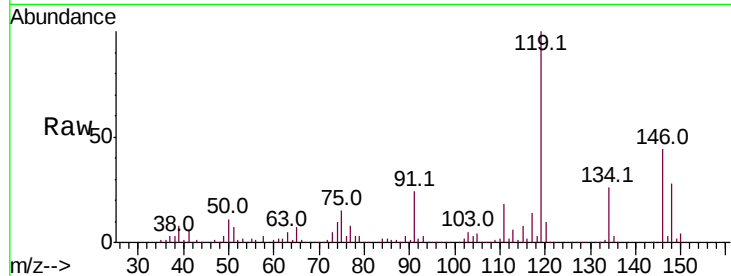
Tot Ion:146 Resp: 98979

Ion Ratio Lower Upper

146 100

111 41.7 20.5 61.6

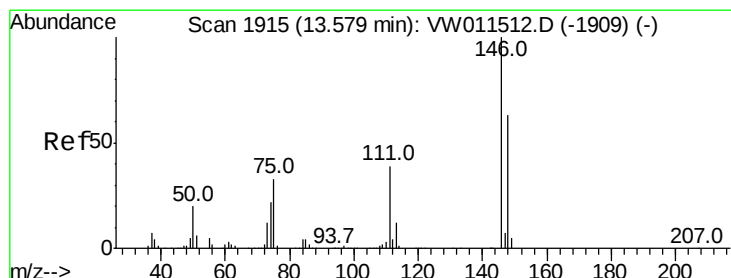
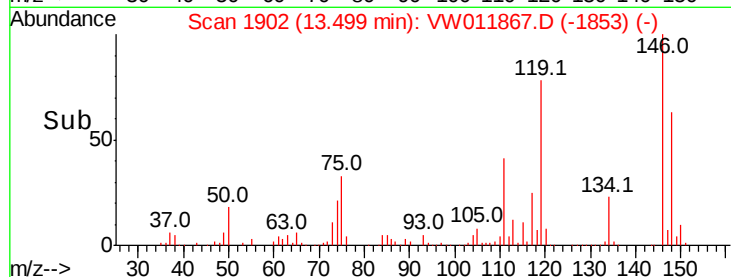
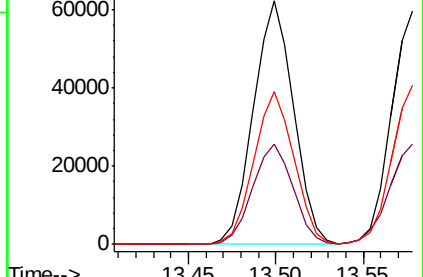
148 63.0 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.614 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

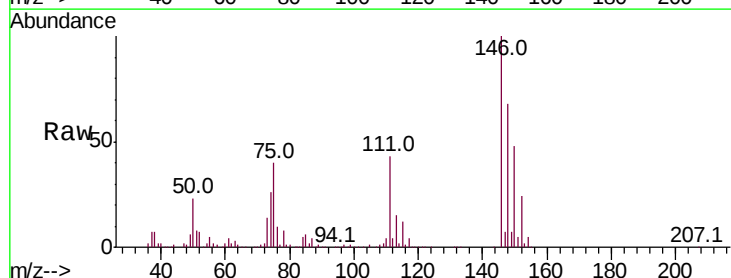
Tgt Ion:146 Resp: 97030

Ion Ratio Lower Upper

146 100

111 42.6 20.1 60.2

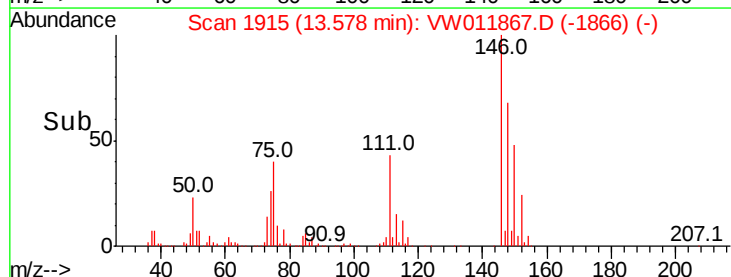
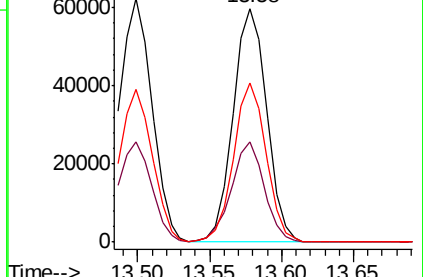
148 66.2 31.9 95.9

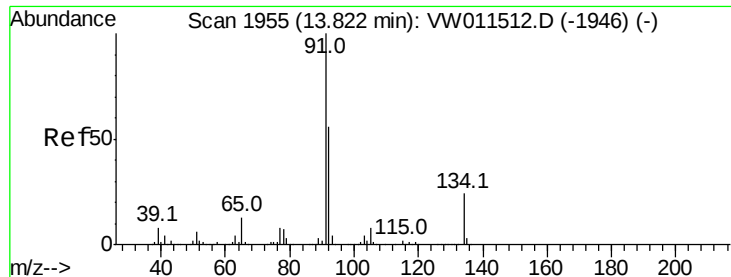


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.729 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA_W

ClientSampleId :

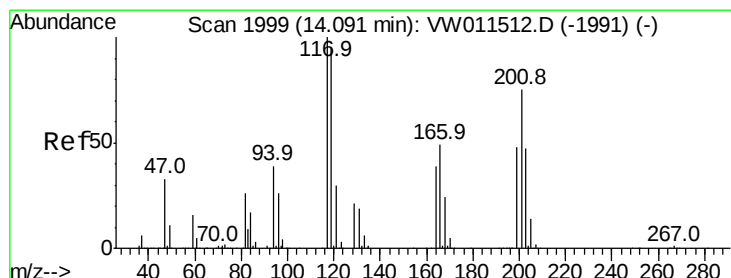
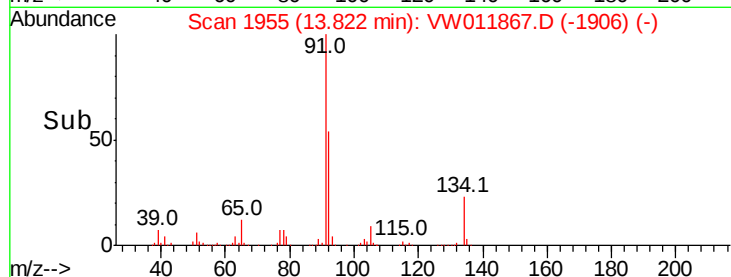
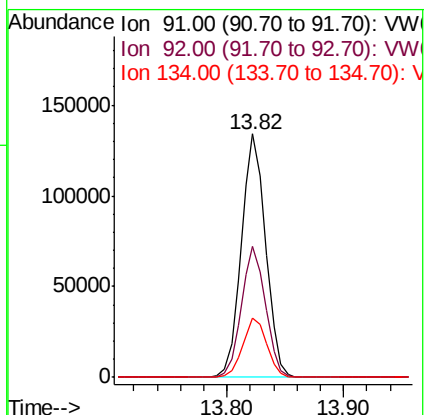
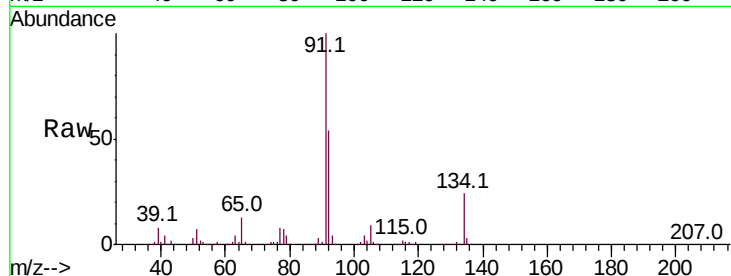
Tot Ion: 91 Resp: 195081

Ion Ratio Lower Upper

91 100

92 53.4 27.5 82.4

134 24.2 12.2 36.6



#90

Hexachloroethane

Concen: 21.340 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW011867.D

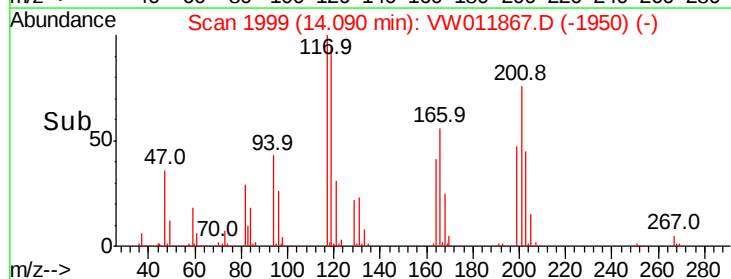
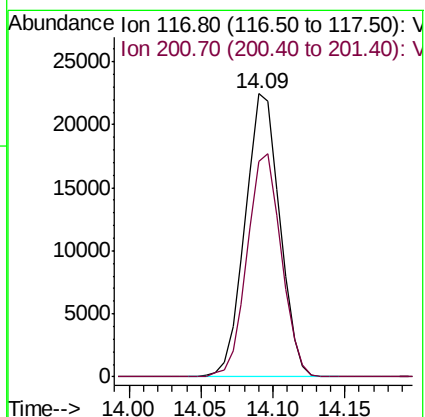
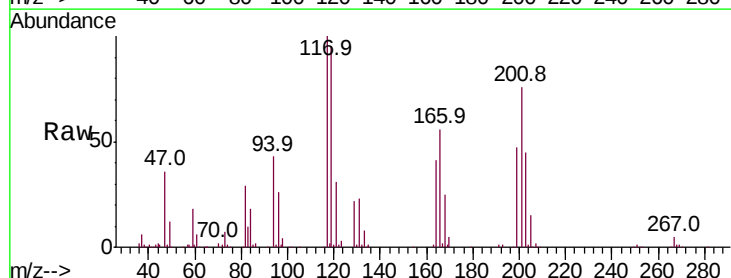
Acq: 12 Aug 2019 23:27

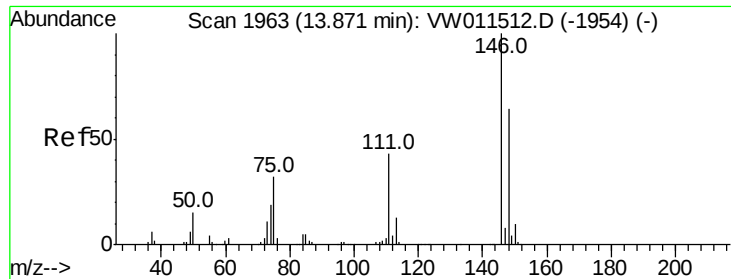
Tgt Ion: 117 Resp: 37388

Ion Ratio Lower Upper

117 100

201 77.7 39.4 118.2





#91

1,2-Dichlorobenzene

Concen: 20.741 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA_W

ClientSampleId :

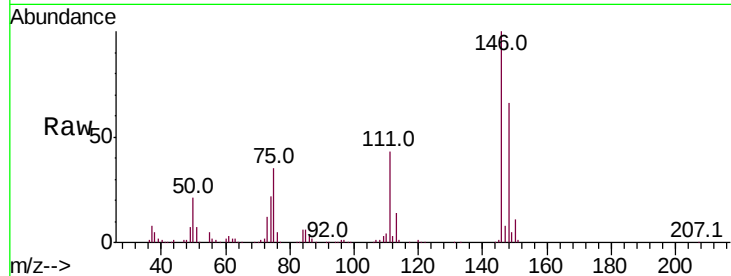
Tot Ion:146 Resp: 86801

Ion Ratio Lower Upper

146 100

111 44.1 21.6 65.0

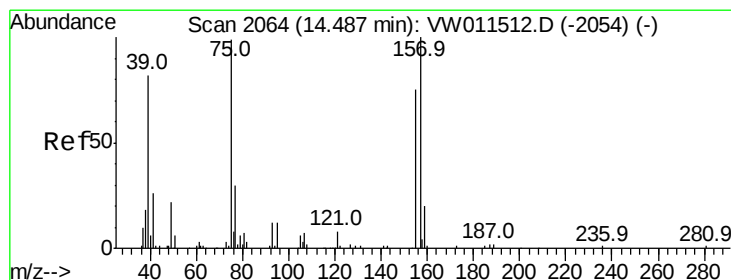
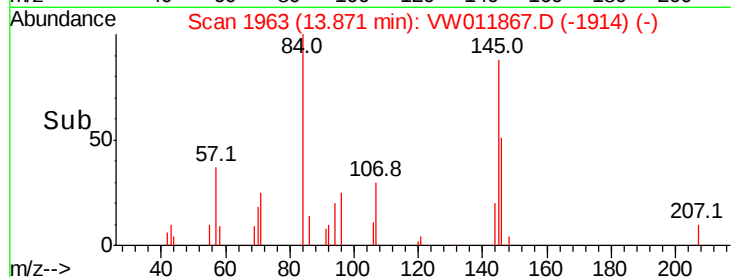
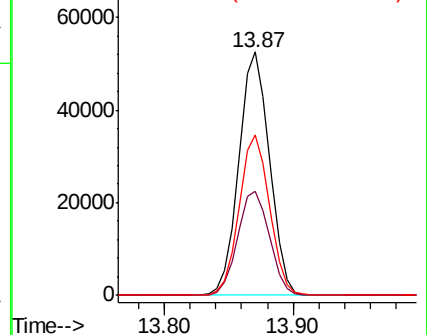
148 65.0 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.302 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

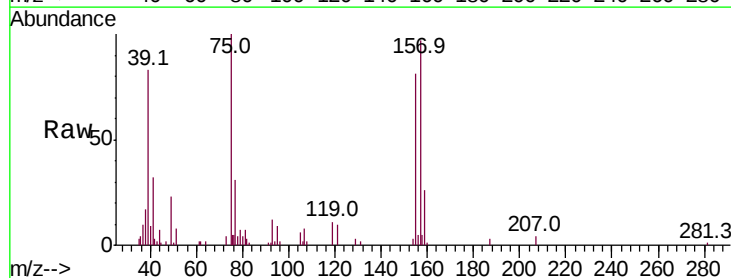
Tgt Ion: 75 Resp: 7460

Ion Ratio Lower Upper

75 100

155 77.9 38.2 114.6

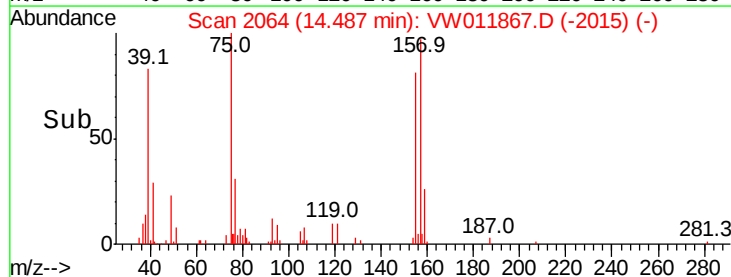
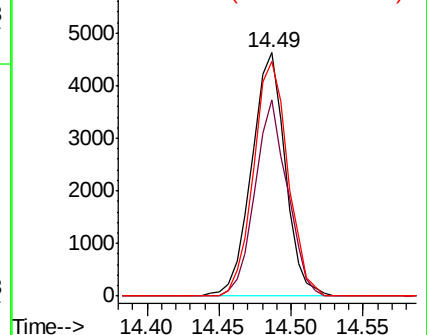
157 98.1 48.9 146.7

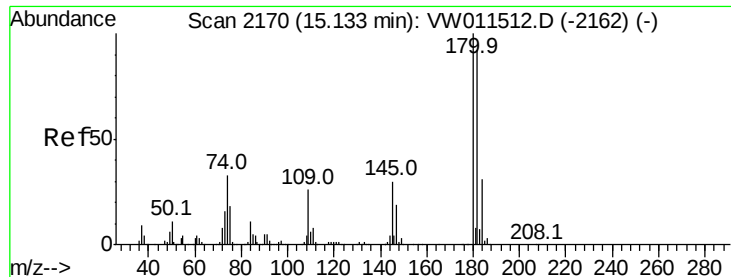


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

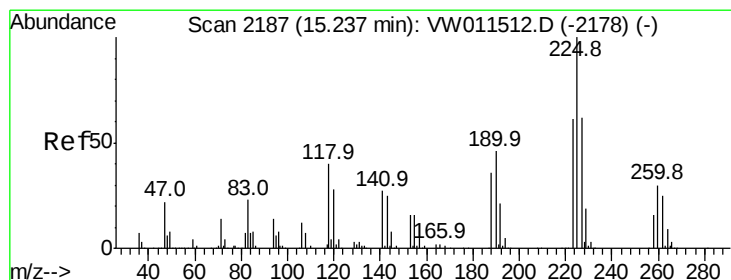
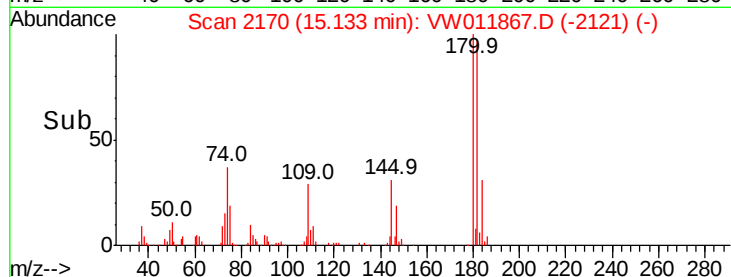
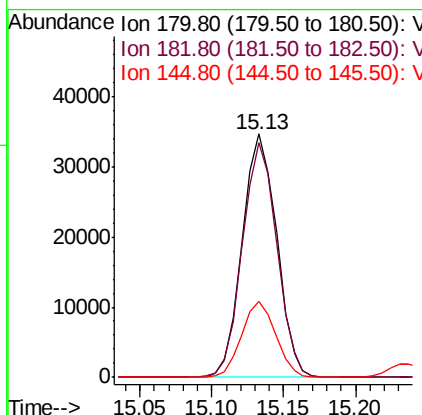
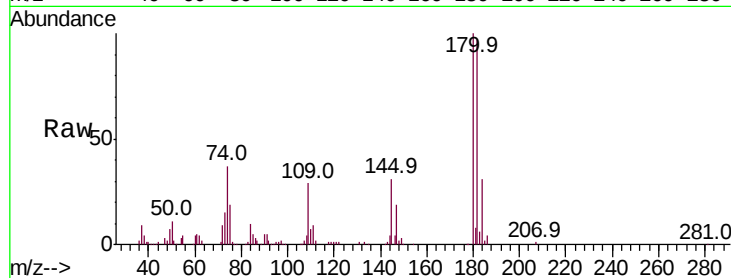




#93
 1,2,4-Trichlorobenzene
 Concen: 19.509 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011867.D
 Acq: 12 Aug 2019 23:27

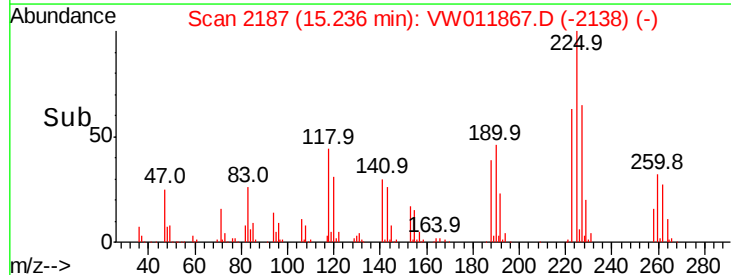
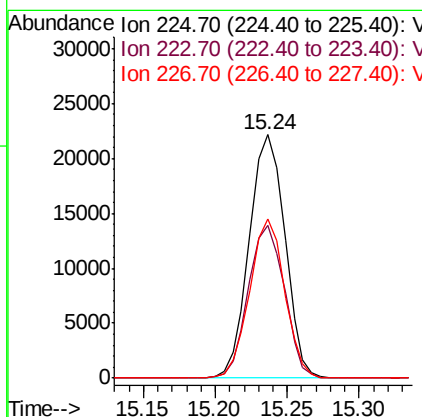
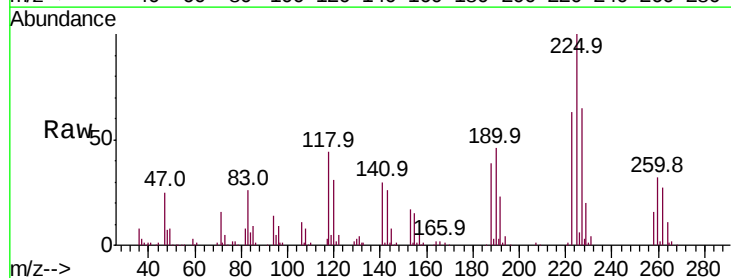
Instrument :
 MSVOA_W
 ClientSampleId :

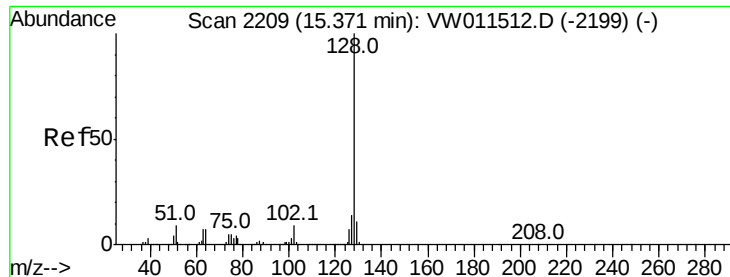
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.4	142.2
145	31.1	15.4	46.1



#94
 Hexachlorobutadiene
 Concen: 20.681 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011867.D
 Acq: 12 Aug 2019 23:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.8	92.3
227	64.1	31.6	94.7





#95

Naphthalene

Concen: 20.276 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

Instrument :

MSVOA_W

ClientSampleId :

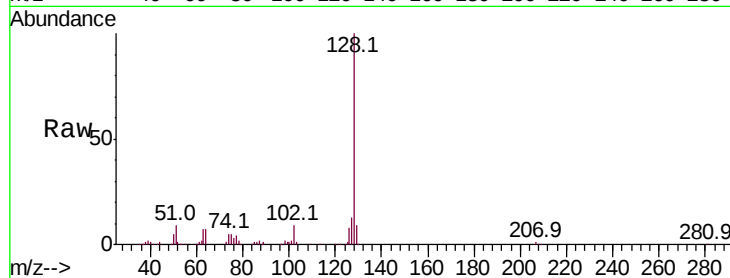
Tot Ion:128 Resp: 109744

Ion Ratio Lower Upper

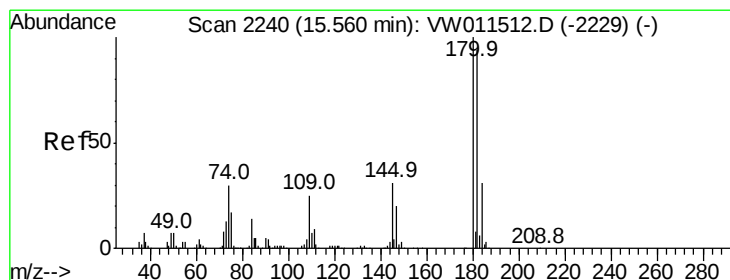
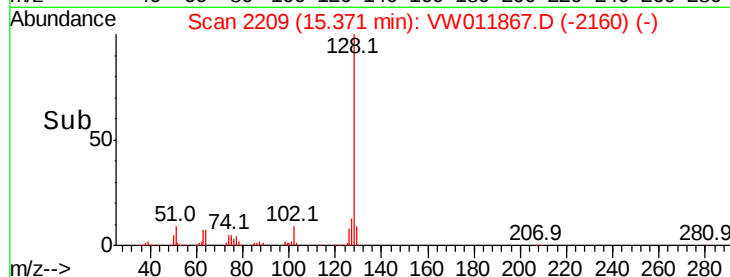
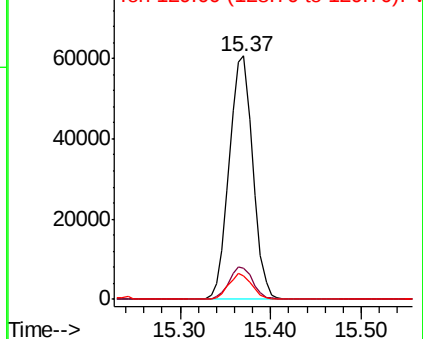
128 100

127 13.4 10.6 16.0

129 10.4 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: 20.244 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW011867.D

Acq: 12 Aug 2019 23:27

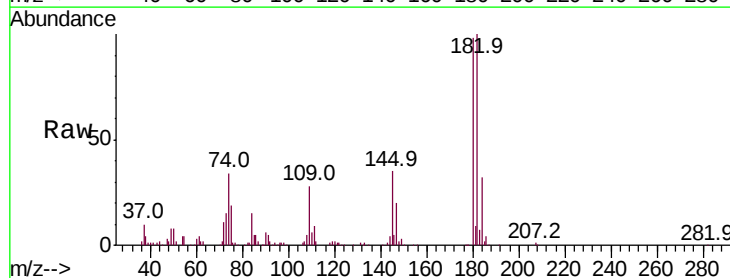
Tgt Ion:180 Resp: 52338

Ion Ratio Lower Upper

180 100

182 96.8 47.4 142.2

145 32.4 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

