

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011163.D
 Acq On : 08 Jul 2019 16:19
 Operator : SY/VA
 Sample : VW0708SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 09 06:52:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 06:41:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	238704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	390184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	345123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166733	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	144639	48.22	ug/l	0.00
Spiked Amount						
			Recovery	=	96.44%	
35) Dibromofluoromethane	7.88	113	114124	49.07	ug/l	0.00
Spiked Amount						
			Recovery	=	98.14%	
50) Toluene-d8	10.32	98	472261	50.24	ug/l	0.00
Spiked Amount						
			Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.62	95	170287	49.42	ug/l	0.00
Spiked Amount						
			Recovery	=	98.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	37302	20.953	ug/l	96
3) Chloromethane	2.21	50	47240	20.593	ug/l	99
4) Vinyl Chloride	2.36	62	61686	20.545	ug/l	98
5) Bromomethane	2.76	94	31101	20.614	ug/l	97
6) Chloroethane	2.91	64	31488	19.471	ug/l	100
7) Trichlorofluoromethane	3.24	101	19666	18.437	ug/l	94
8) Diethyl Ether	3.67	74	27660	18.742	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49971	19.559	ug/l	99
10) Methyl Iodide	4.26	142	68318	19.442	ug/l	99
11) Tert butyl alcohol	5.17	59	19998	90.054	ug/l	100
12) 1,1-Dichloroethene	4.03	96	51518	19.428	ug/l	94
13) Acrolein	3.89	56	15719	88.893	ug/l	93
14) Allyl chloride	4.66	41	95095	19.666	ug/l	99
15) Acrylonitrile	5.36	53	71505	95.133	ug/l	99
16) Acetone	4.12	43	65931	91.356	ug/l	97
17) Carbon Disulfide	4.38	76	150272	18.692	ug/l	99
18) Methyl Acetate	4.66	43	50075	23.655	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	75994	18.887	ug/l	98
20) Methylene Chloride	4.91	84	58066	20.395	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	54271	19.696	ug/l	94
22) Diisopropyl ether	6.31	45	204743	19.686	ug/l	97
23) Vinyl Acetate	6.24	43	582057	90.430	ug/l	100
24) 1,1-Dichloroethane	6.21	63	109677	20.082	ug/l	97
25) 2-Butanone	7.17	43	104053	91.849	ug/l	98
26) 2,2-Dichloropropane	7.16	77	55431	19.525	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	57796	19.445	ug/l	98
28) Bromochloromethane	7.51	49	48168	19.397	ug/l	99
29) Tetrahydrofuran	7.52	42	68396	92.075	ug/l	99
30) Chloroform	7.67	83	99424	19.657	ug/l	98
31) Cyclohexane	7.95	56	111866	19.253	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	75145	19.531	ug/l	99
36) 1,1-Dichloropropene	8.07	75	82976	19.970	ug/l	99
37) Ethyl Acetate	7.24	43	45409	18.189	ug/l	99
38) Carbon Tetrachloride	8.06	117	68808	19.535	ug/l	98

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Quant Time: Jul 09 06:52:37 2019
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	96756	19.212	ug/l	97
40) Benzene	8.32	78	229504	19.986	ug/l	99
41) Methacrylonitrile	7.48	41	26182	18.337	ug/l	97
42) 1,2-Dichloroethane	8.40	62	72746	19.529	ug/l	99
43) Isopropyl Acetate	8.42	43	87647	18.596	ug/l	99
44) Trichloroethene	9.09	130	54026	19.551	ug/l	96
45) 1,2-Dichloropropane	9.37	63	61408	19.748	ug/l	98
46) Dibromomethane	9.46	93	28331	19.395	ug/l	98
47) Bromodichloromethane	9.64	83	72102	19.291	ug/l	99
48) Methyl methacrylate	9.43	41	42747	18.851	ug/l	99
49) 1,4-Dioxane	9.45	88	9064	371.749	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	230331	93.550	ug/l	100
52) Toluene	10.38	92	139978	20.095	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	73992	18.599	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	88839	18.972	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	40840	19.708	ug/l	97
56) Ethyl methacrylate	10.64	69	58668	18.595	ug/l	97
57) 1,3-Dichloropropane	10.93	76	75891	19.367	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	147604	100.916	ug/l	99
59) 2-Hexanone	10.97	43	157250	92.095	ug/l	99
60) Dibromochloromethane	11.13	129	42792	18.831	ug/l	99
61) 1,2-Dibromoethane	11.23	107	37473	19.091	ug/l	100
64) Tetrachloroethene	10.86	164	45852	19.689	ug/l	98
65) Chlorobenzene	11.66	112	138850	19.788	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	47986	19.423	ug/l	99
67) Ethyl Benzene	11.73	91	265269	19.748	ug/l	98
68) m/p-Xylenes	11.84	106	193782	39.869	ug/l	99
69) o-Xylene	12.16	106	89574	19.553	ug/l	99
70) Styrene	12.18	104	156342	19.775	ug/l	99
71) Bromoform	12.35	173	23532	17.914	ug/l #	98
73) Isopropylbenzene	12.46	105	247464	19.854	ug/l	99
74) N-amyl acetate	12.27	43	80510	18.547	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48199	18.865	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	64218	33.329	ug/l #	100
77) Bromobenzene	12.75	156	55378	19.798	ug/l	98
78) n-propylbenzene	12.80	91	302138	19.678	ug/l	100
79) 2-Chlorotoluene	12.89	91	173618	19.650	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	210220	19.853	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15171	17.809	ug/l	98
82) 4-Chlorotoluene	12.99	91	181495	19.722	ug/l	99
83) tert-Butylbenzene	13.21	119	175332	19.854	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	209464	19.701	ug/l	99
85) sec-Butylbenzene	13.38	105	248517	19.503	ug/l	100
86) p-Isopropyltoluene	13.50	119	222180	19.440	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	106946	19.872	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	107353	19.810	ug/l	99
89) n-Butylbenzene	13.82	91	221432	19.422	ug/l	99
90) Hexachloroethane	14.10	117	38084	18.235	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	94980	19.454	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7896	17.423	ug/l	99

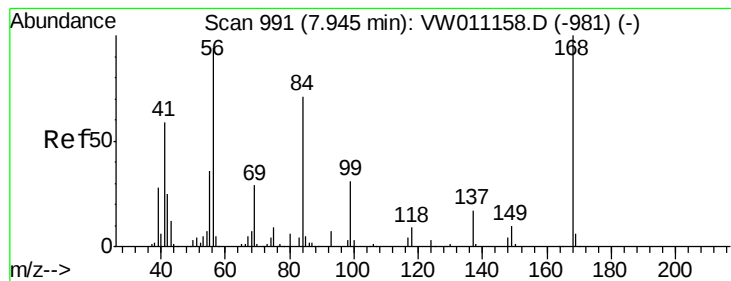
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	63693	18.940	ug/l	99
94) Hexachlorobutadiene	15.24	225	39026	18.903	ug/l	100
95) Naphthalene	15.37	128	118127	18.331	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	57367	19.329	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: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

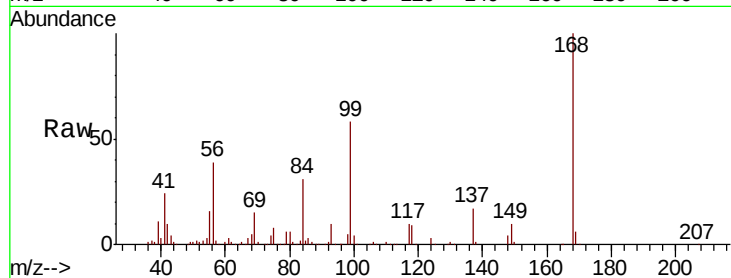
ClientSampled :

Tot Ion:168 Resp: 238704

Ion Ratio Lower Upper

168 100

99 58.4 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

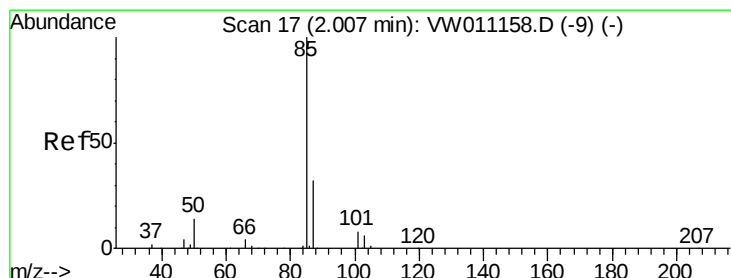
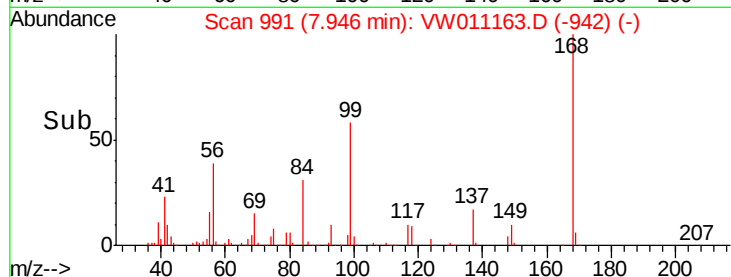
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.953 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011163.D

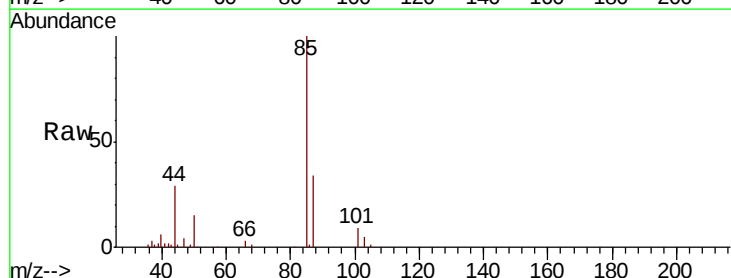
Acq: 08 Jul 2019 16:19

Tgt Ion: 85 Resp: 37302

Ion Ratio Lower Upper

85 100

87 33.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

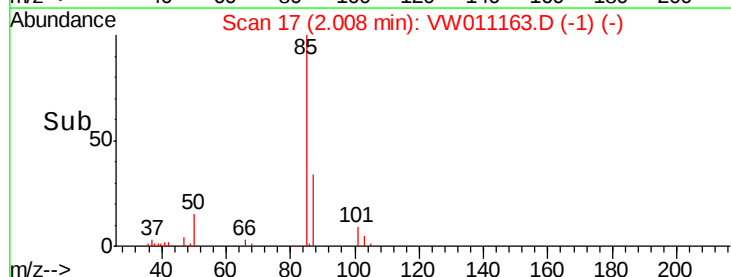
15000

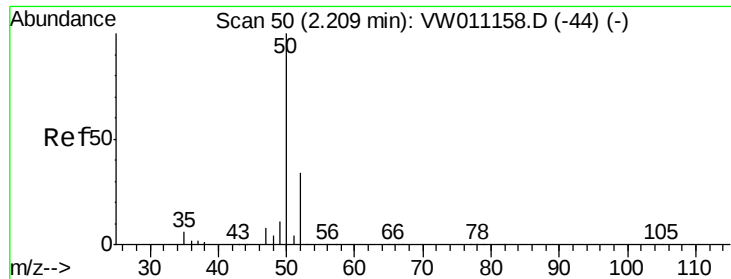
10000

5000

0

Time-->





#3

Chloromethane

Concen: 20.593 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

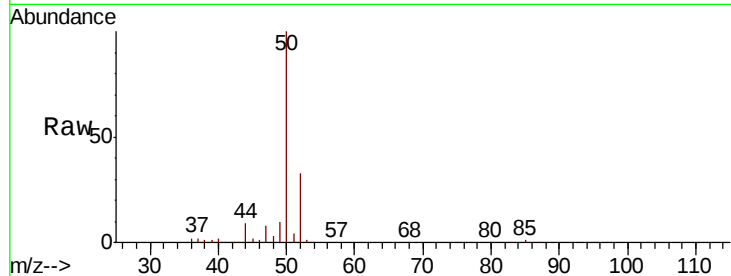
ClientSampled :

Tot Ion: 50 Resp: 47240

Ion Ratio Lower Upper

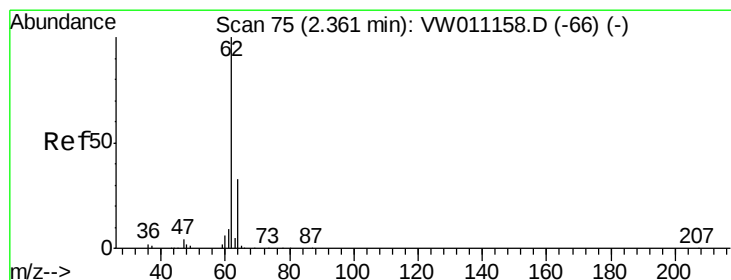
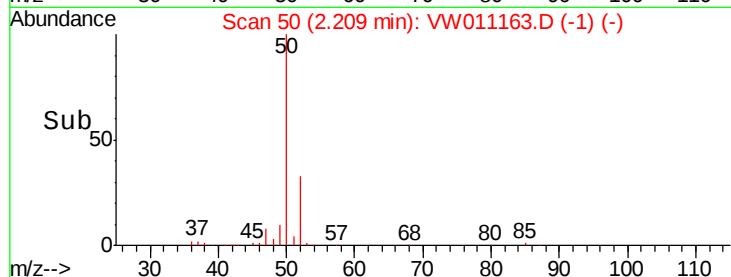
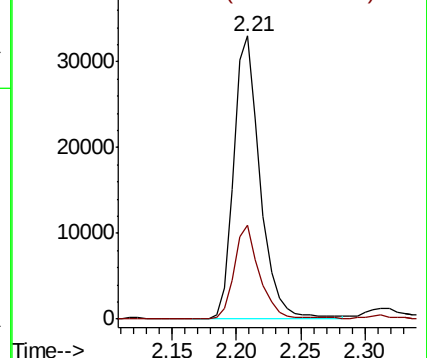
50 100

52 33.1 26.9 40.3



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.545 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011163.D

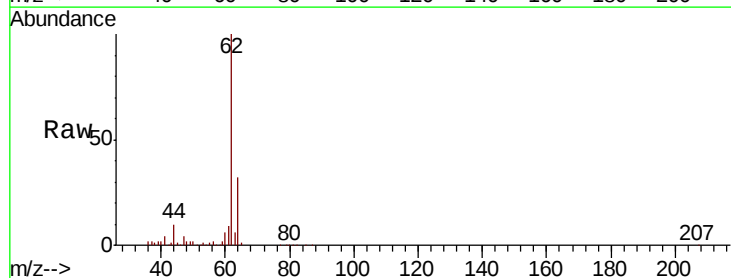
Acq: 08 Jul 2019 16:19

Tgt Ion: 62 Resp: 61686

Ion Ratio Lower Upper

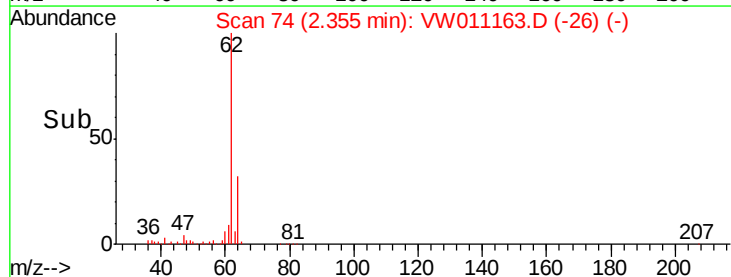
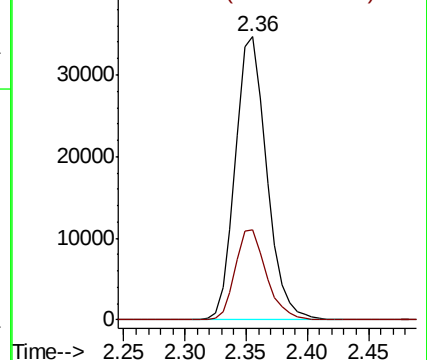
62 100

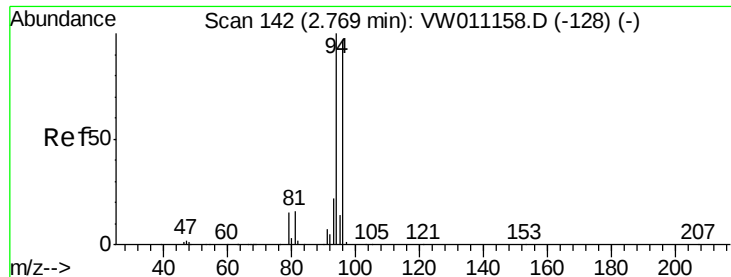
64 32.0 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 20.614 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

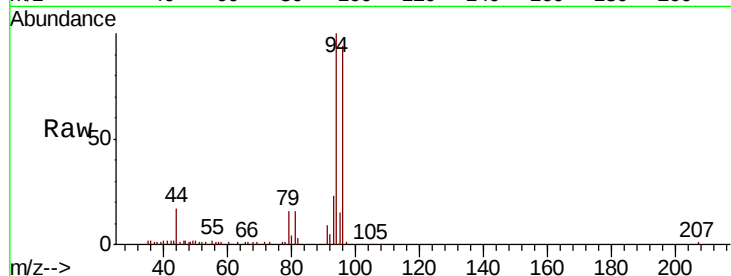
ClientSampled :

Tot Ion: 94 Resp: 31101

Ion Ratio Lower Upper

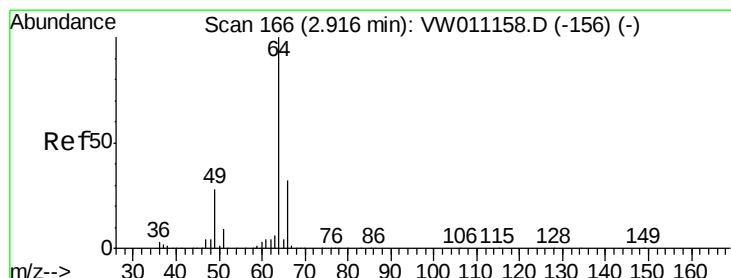
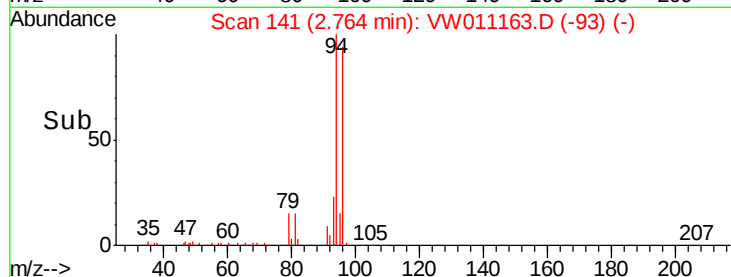
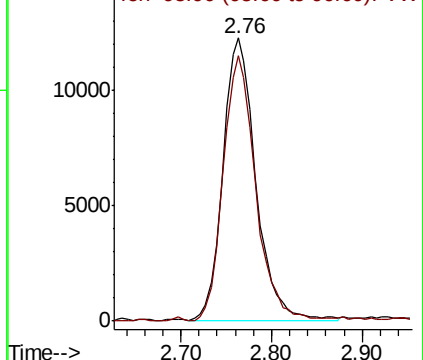
94 100

96 93.7 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.471 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011163.D

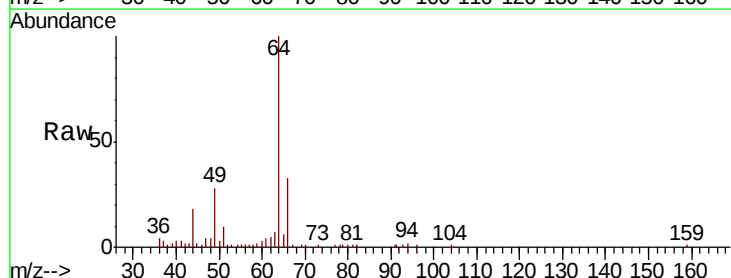
Acq: 08 Jul 2019 16:19

Tgt Ion: 64 Resp: 31488

Ion Ratio Lower Upper

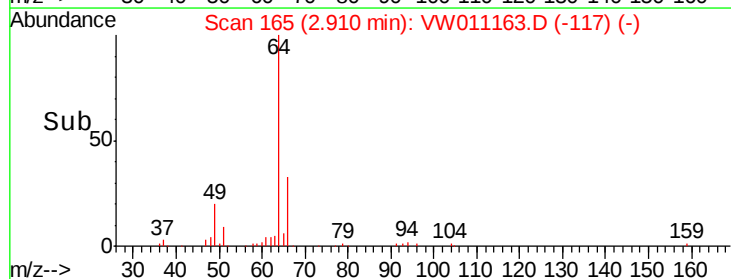
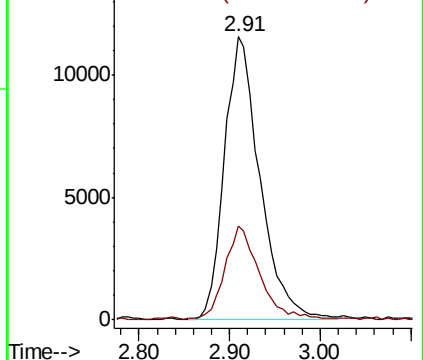
64 100

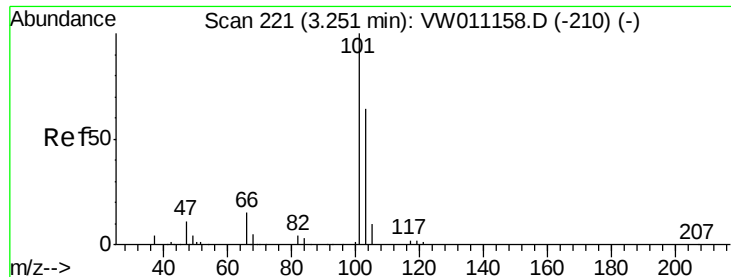
66 32.5 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



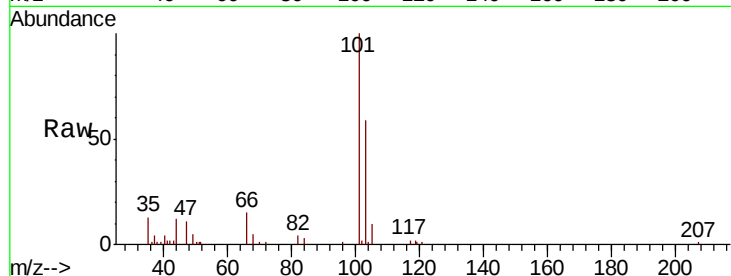


#7

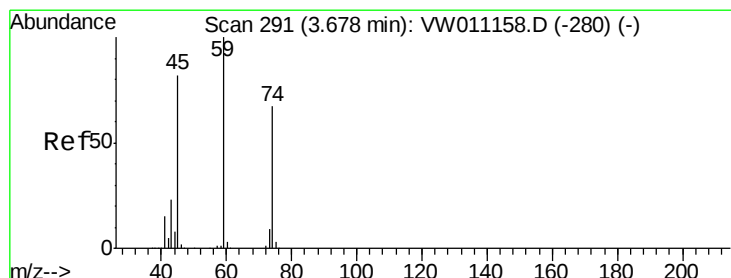
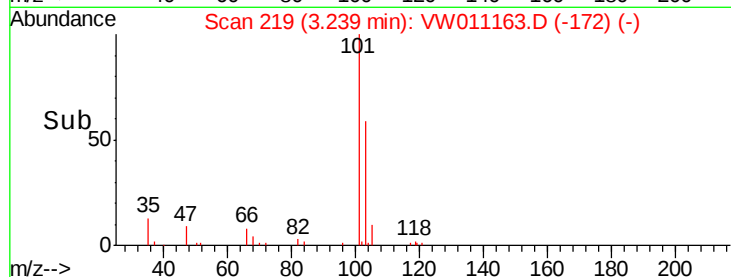
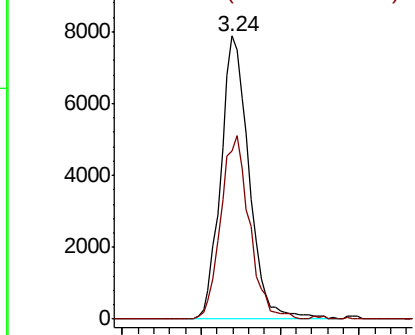
Trichlorofluoromethane
Concen: 18.437 ug/l
RT: 3.24 min Scan# 219
Delta R.T. -0.01 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:101 Resp: 19666
Ion Ratio Lower Upper
101 100
103 59.3 51.3 76.9



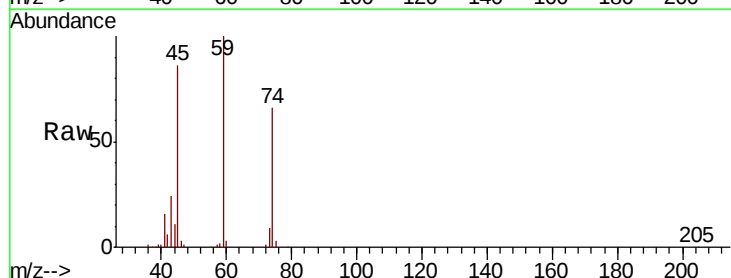
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



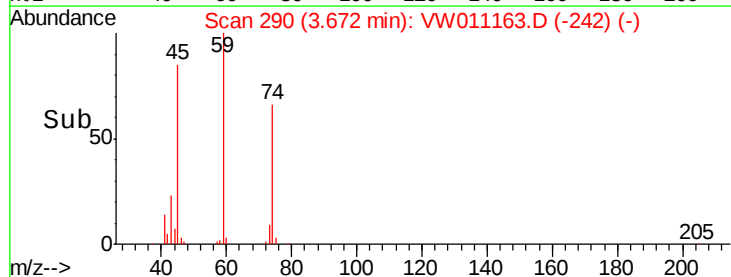
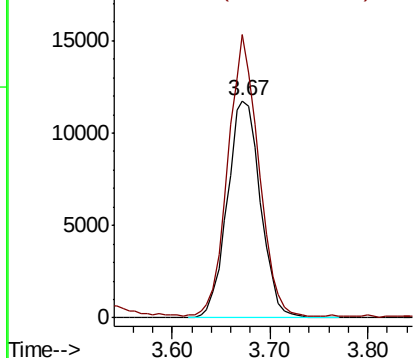
#8

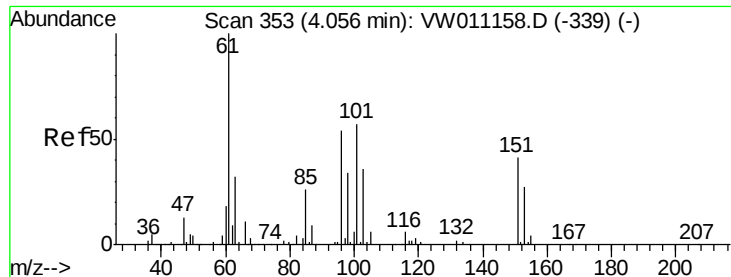
Diethyl Ether
Concen: 18.742 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion: 74 Resp: 27660
Ion Ratio Lower Upper
74 100
45 120.0 59.9 179.7



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.559 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

ClientSampled :

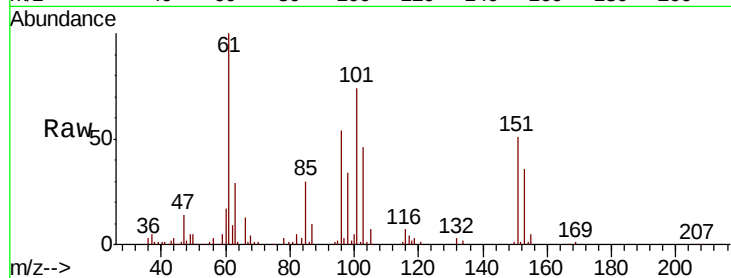
Tot Ion:101 Resp: 49971

Ion Ratio Lower Upper

101 100

85 44.1 36.5 54.7

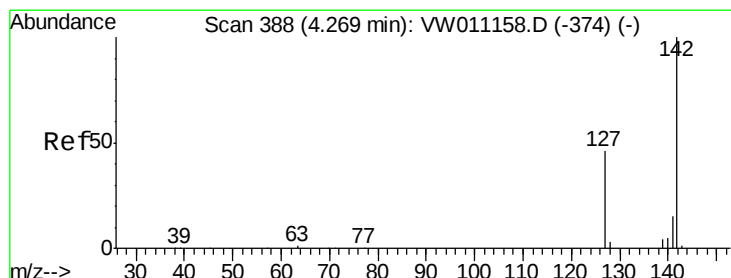
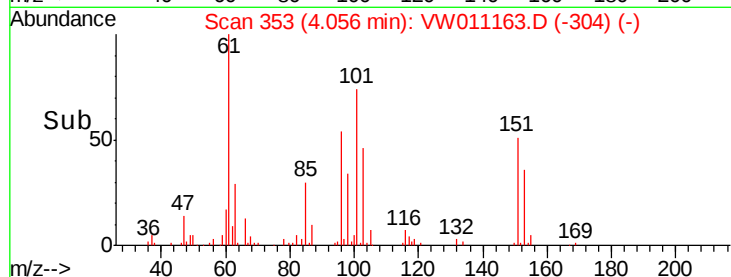
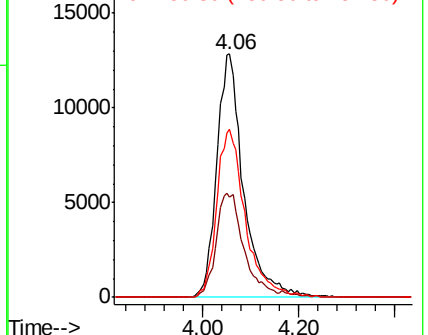
151 73.2 59.1 88.7



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: 19.442 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

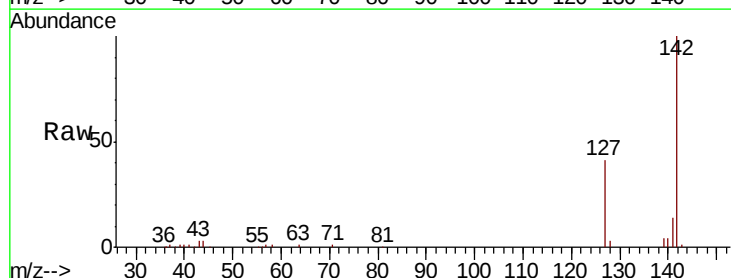
Tgt Ion:142 Resp: 68318

Ion Ratio Lower Upper

142 100

127 44.2 35.7 53.5

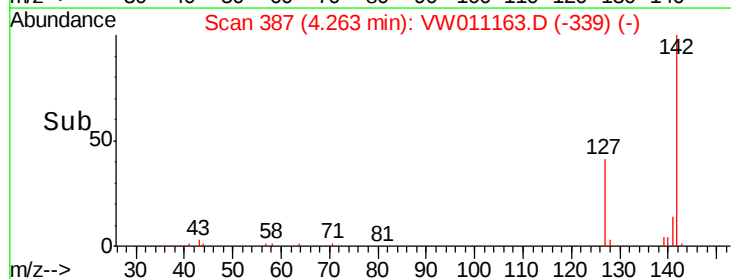
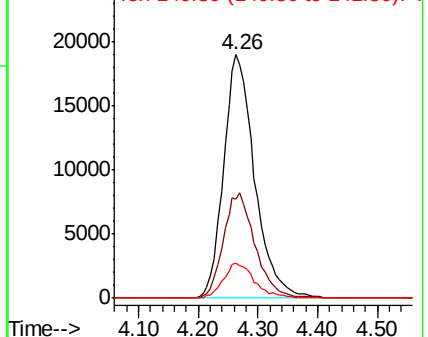
141 14.4 11.5 17.3

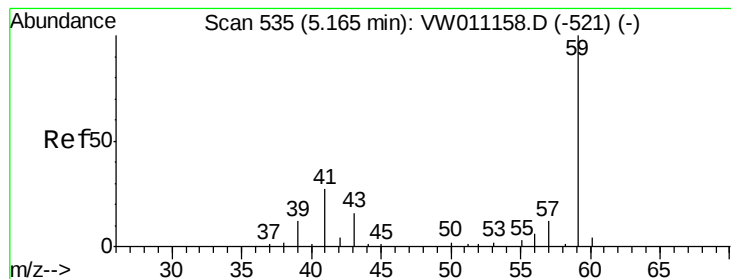


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



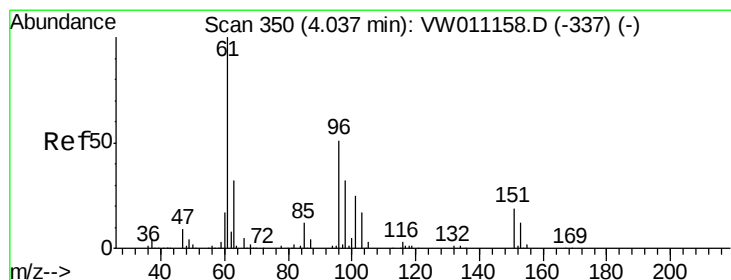
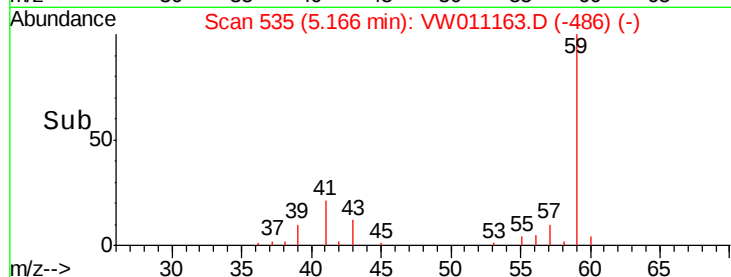
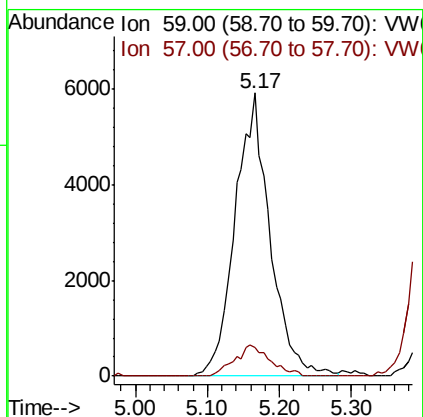
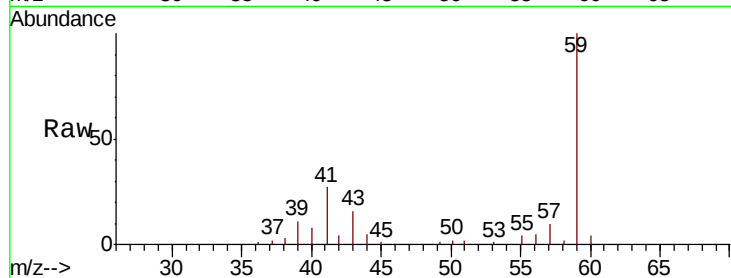


#11

Tert butyl alcohol
Concen: 90.054 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampleId :

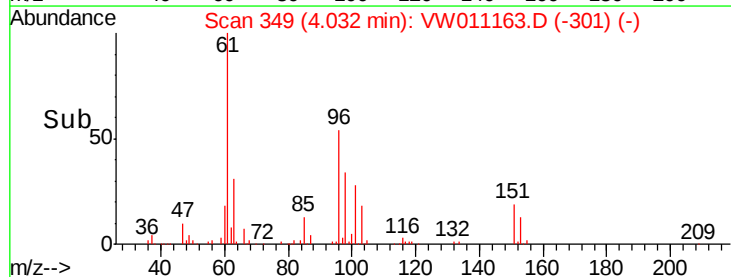
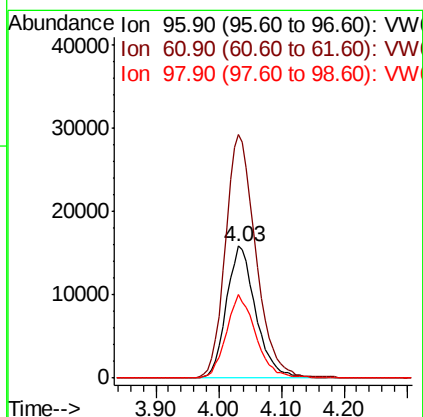
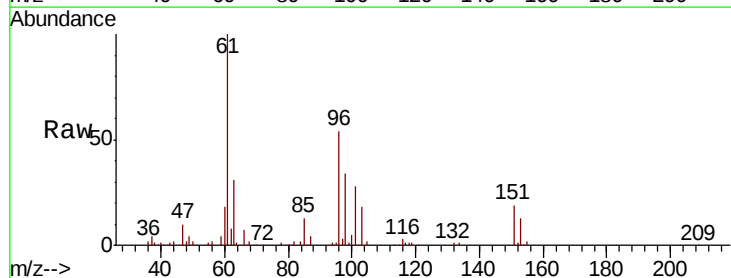
Tot Ion: 59 Resp: 19998
Ion Ratio Lower Upper
59 100
57 11.1 9.0 13.6

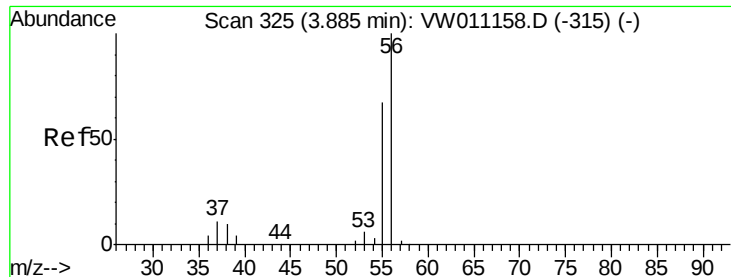


#12

1,1-Dichloroethene
Concen: 19.428 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion: 96 Resp: 51518
Ion Ratio Lower Upper
96 100
61 184.6 157.7 236.5
98 63.0 50.9 76.3





#13

Acrolein

Concen: 88.893 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

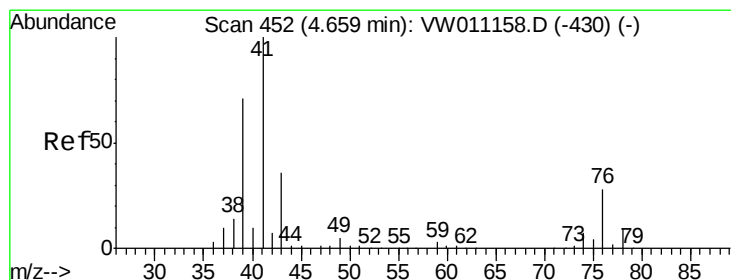
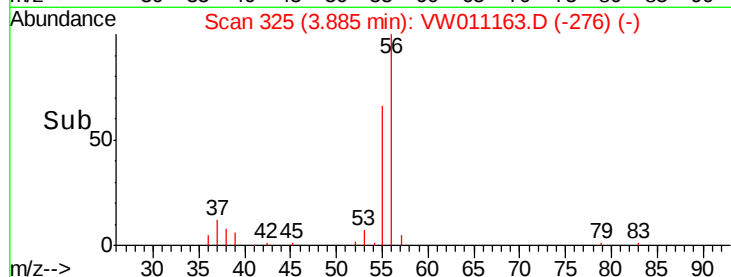
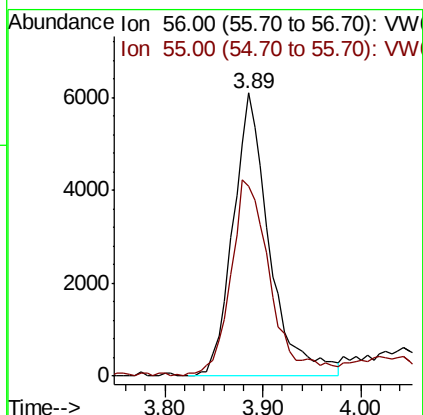
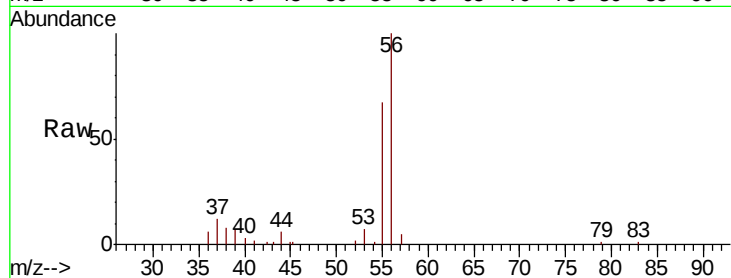
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 15719

Ion Ratio Lower Upper

56 100

55 76.0 56.4 84.6



#14

Allyl chloride

Concen: 19.666 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

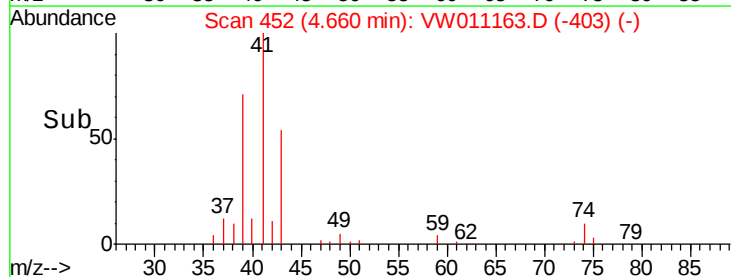
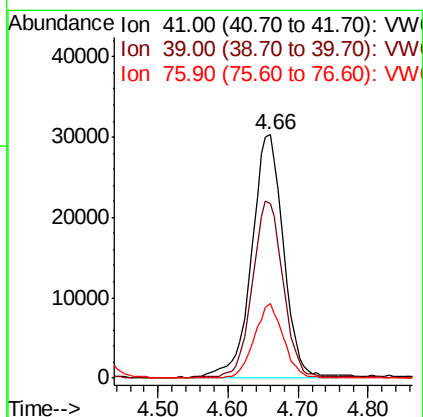
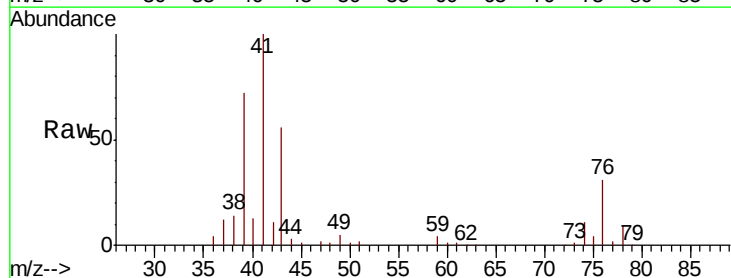
Tgt Ion: 41 Resp: 95095

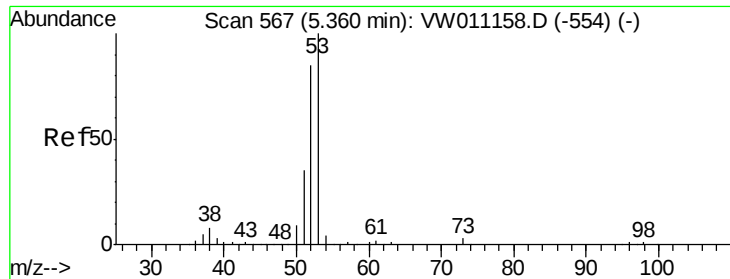
Ion Ratio Lower Upper

41 100

39 70.1 55.1 82.7

76 28.2 22.5 33.7





#15

Acrylonitrile

Concen: 95.133 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

ClientSampleId :

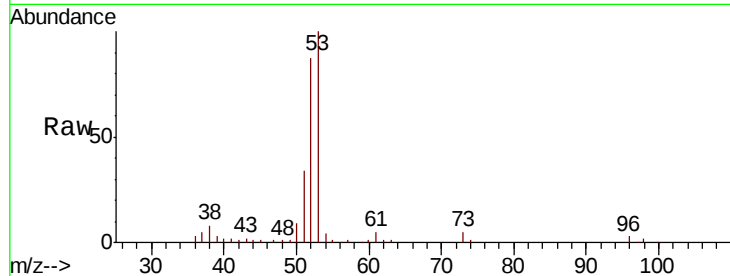
Tot Ion: 53 Resp: 71505

Ion Ratio Lower Upper

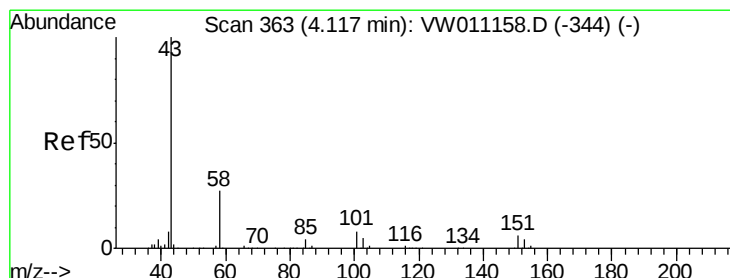
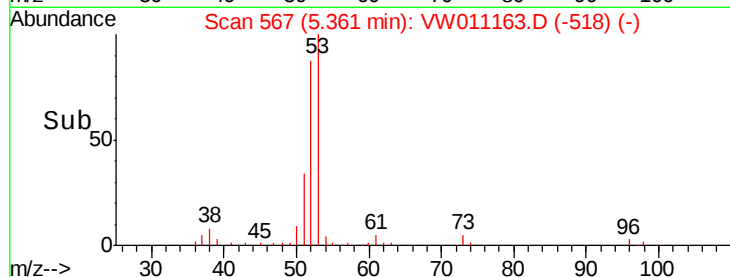
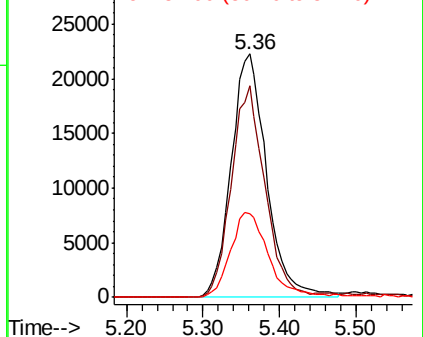
53 100

52 82.1 66.2 99.4

51 37.0 29.1 43.7



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 91.356 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011163.D

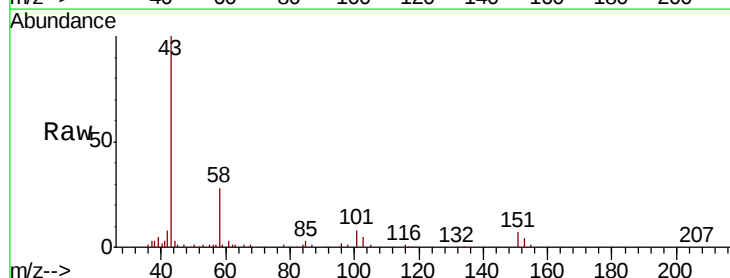
Acq: 08 Jul 2019 16:19

Tgt Ion: 43 Resp: 65931

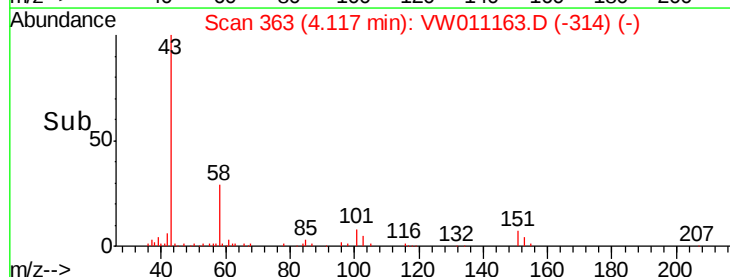
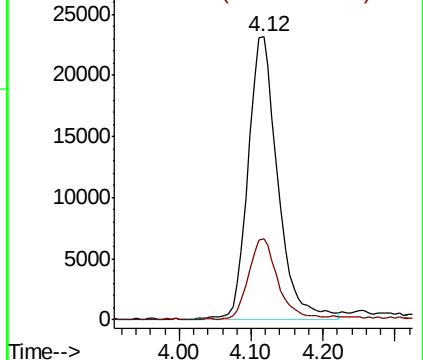
Ion Ratio Lower Upper

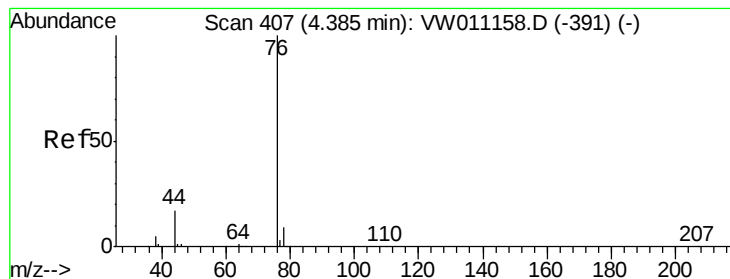
43 100

58 28.6 21.8 32.6



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





#17

Carbon Disulfide

Concen: 18.692 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

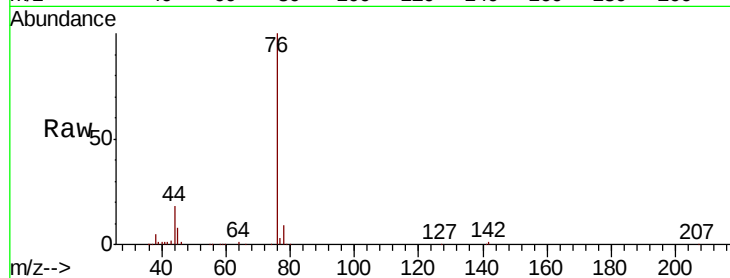
ClientSampled :

Tot Ion: 76 Resp: 150272

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

50000

40000

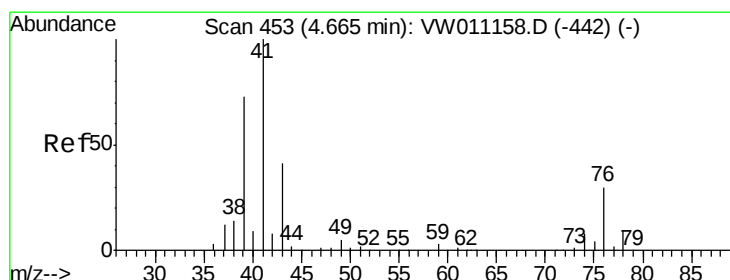
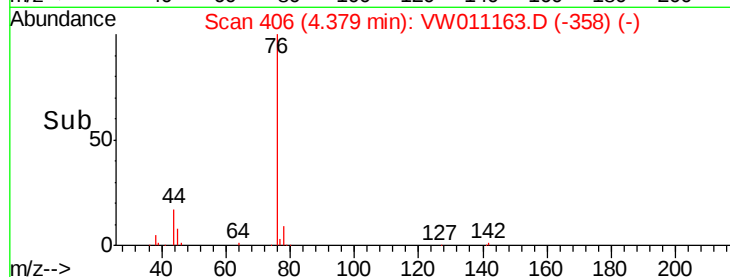
30000

20000

10000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 23.655 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011163.D

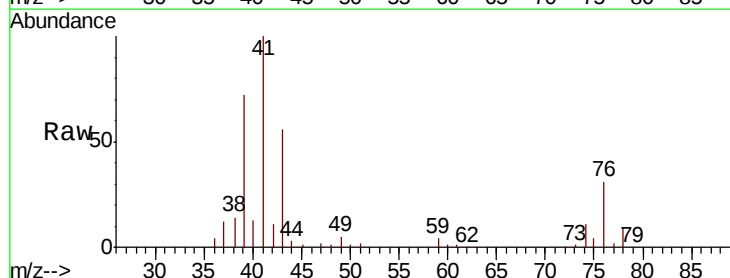
Acq: 08 Jul 2019 16:19

Tgt Ion: 43 Resp: 50075

Ion Ratio Lower Upper

43 100

74 19.2 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.66

20000

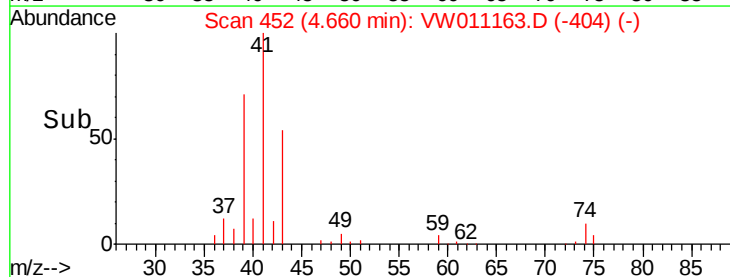
15000

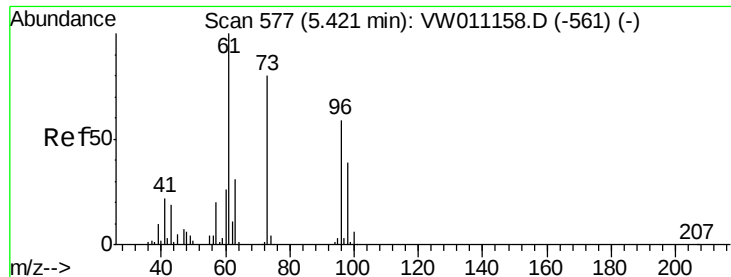
10000

5000

0

Time--> 4.60 4.70 4.80

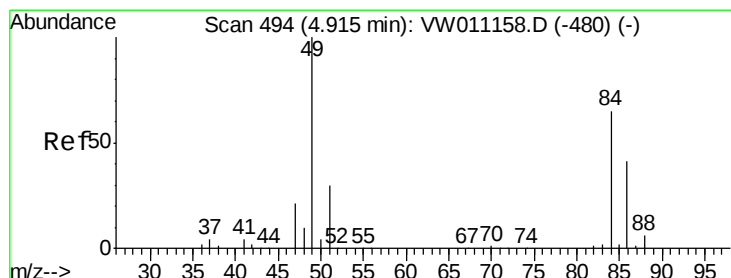
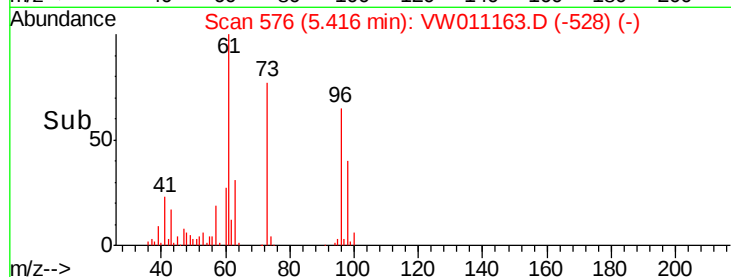
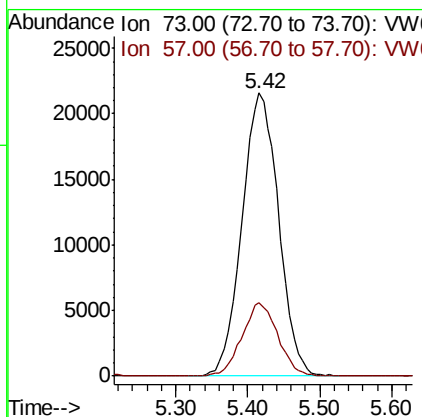
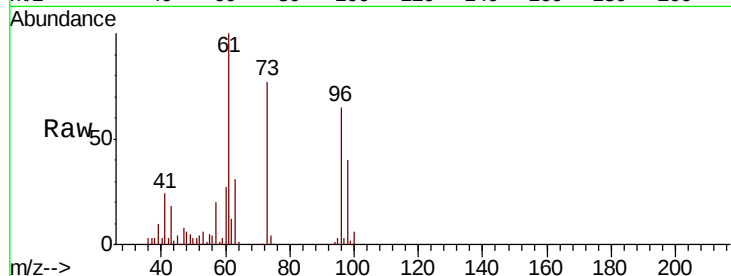




#19
Methyl tert-butyl Ether
Concen: 18.887 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

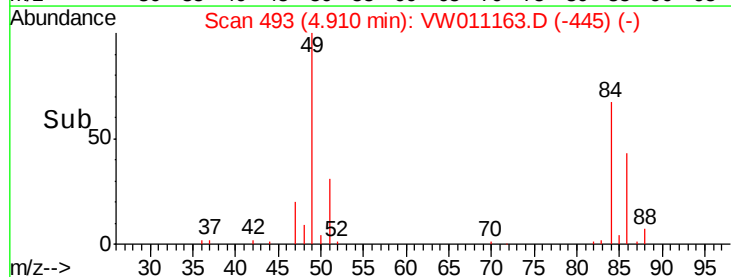
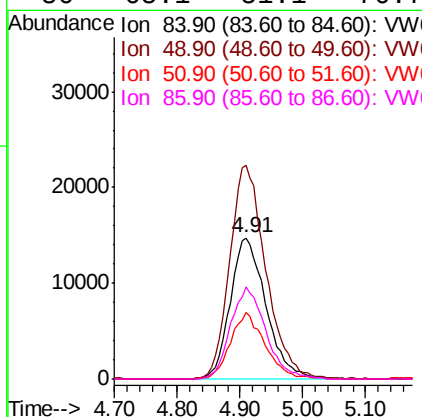
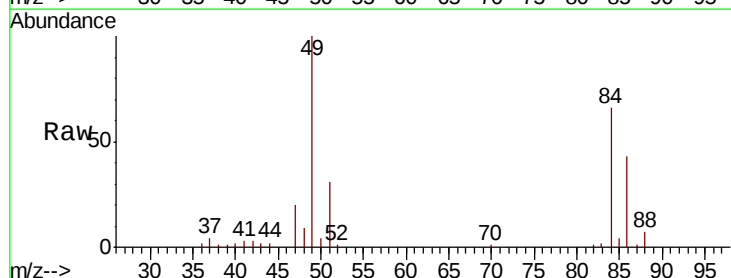
Instrument :
MSVOA_W
ClientSampled :

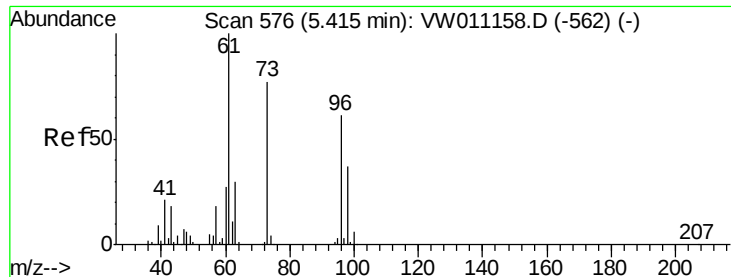
Tot Ion: 73 Resp: 75994
Ion Ratio Lower Upper
73 100
57 25.7 19.7 29.5



#20
Methylene Chloride
Concen: 20.395 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion: 84 Resp: 58066
Ion Ratio Lower Upper
84 100
49 151.7 123.8 185.6
51 47.5 37.4 56.2
86 65.1 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.696 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampled :

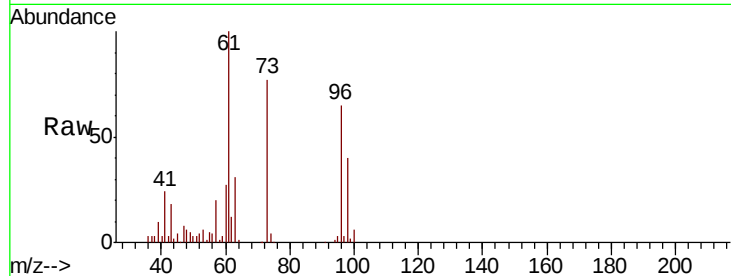
Tot Ion: 96 Resp: 54271

Ion Ratio Lower Upper

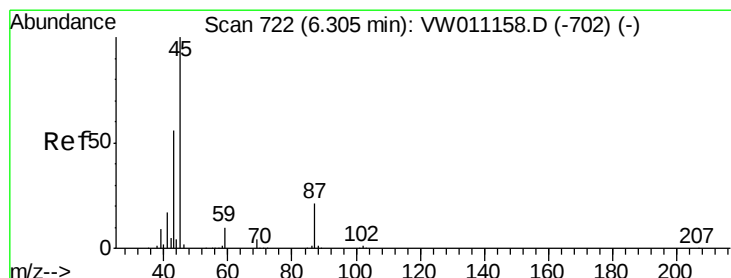
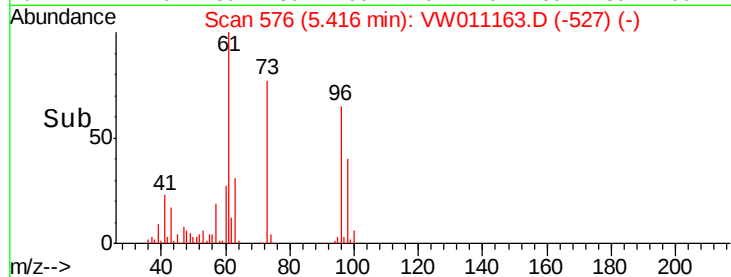
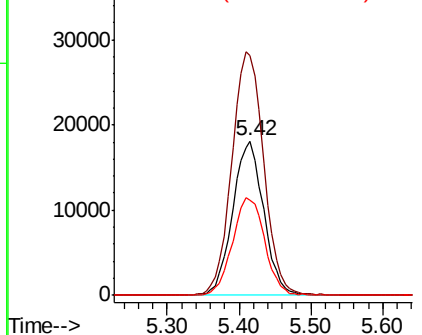
96 100

61 155.0 132.2 198.2

98 61.6 49.4 74.0



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: 19.686 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Tgt Ion: 45 Resp: 204743

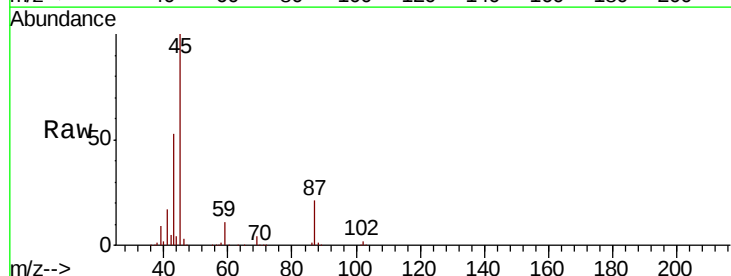
Ion Ratio Lower Upper

45 100

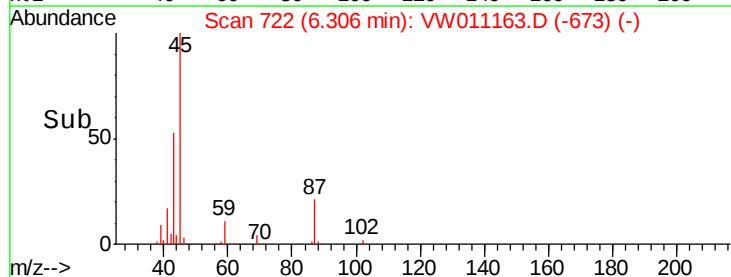
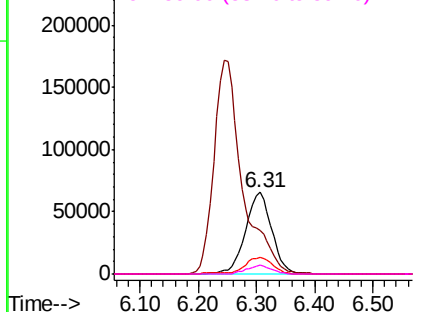
43 53.1 44.6 66.8

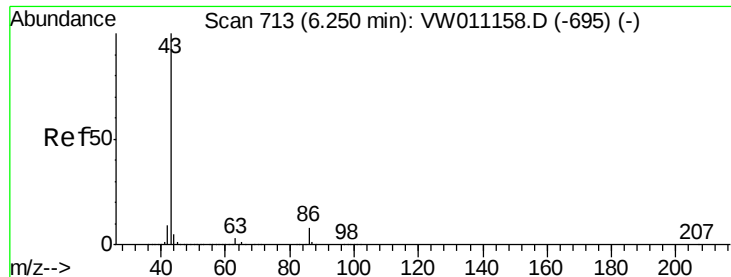
87 20.5 17.3 25.9

59 10.6 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: 90.430 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

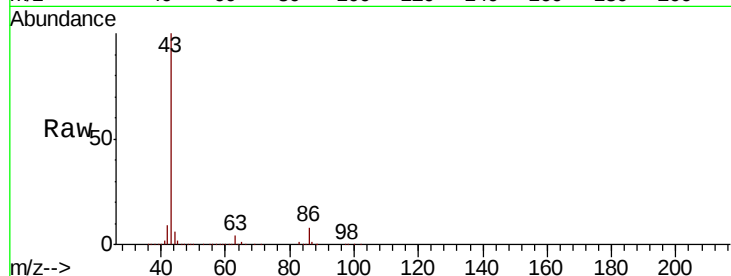
ClientSampleId :

Tot Ion: 43 Resp: 582057

Ion Ratio Lower Upper

43 100

86 8.2 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.24

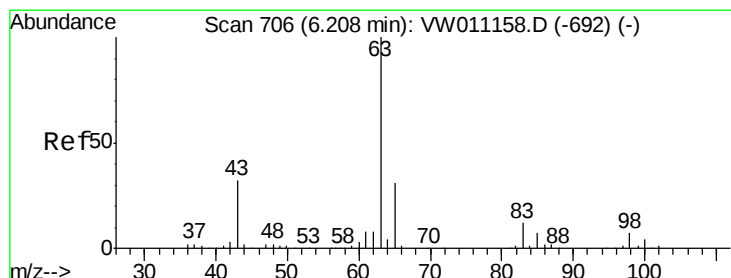
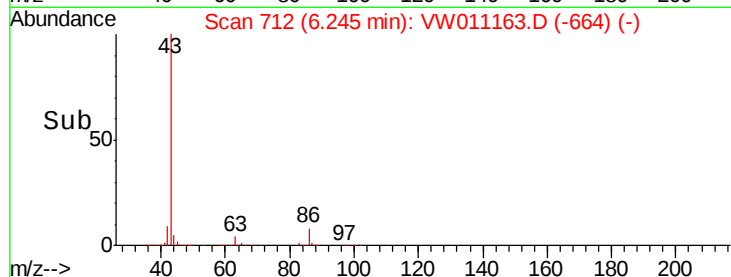
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.082 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

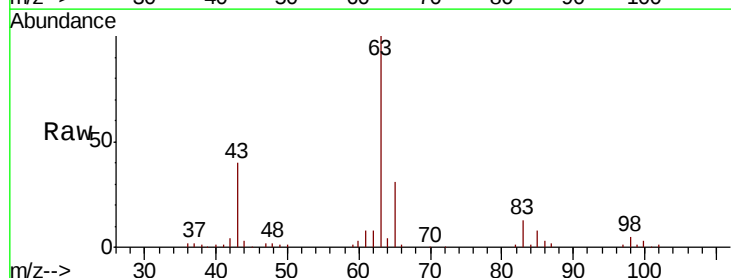
Tgt Ion: 63 Resp: 109677

Ion Ratio Lower Upper

63 100

98 5.2 3.3 9.9

100 3.4 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

50000

40000

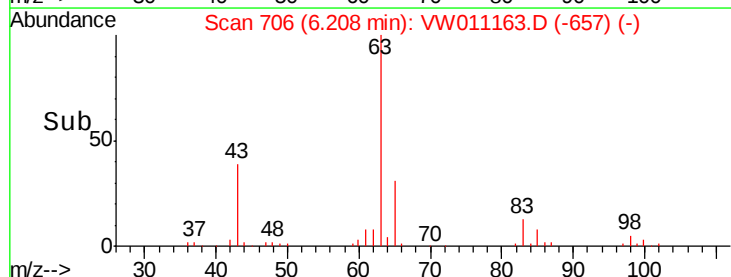
30000

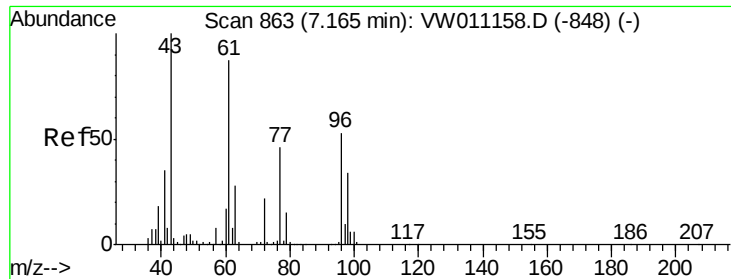
20000

10000

0

Time-->





#25

2-Butanone

Concen: 91.849 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

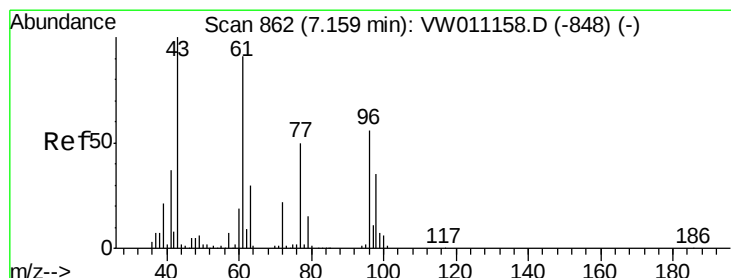
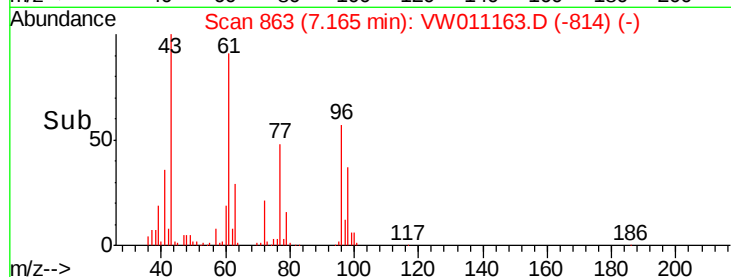
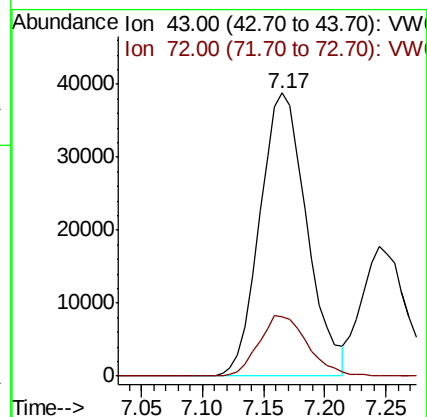
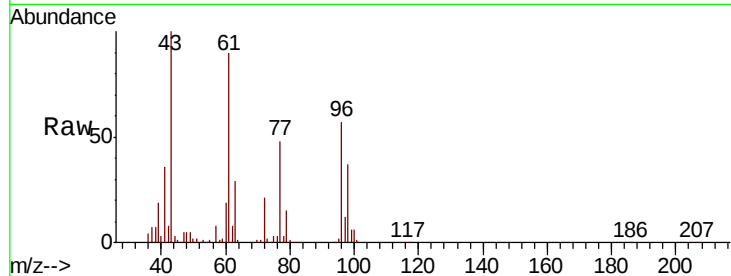
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 104053

Ion Ratio Lower Upper

43 100

72 21.0 17.6 26.4



#26

2,2-Dichloropropane

Concen: 19.525 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011163.D

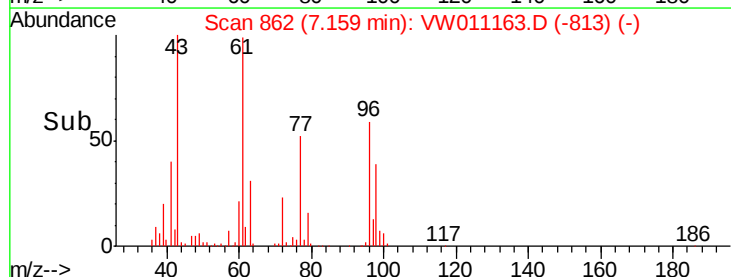
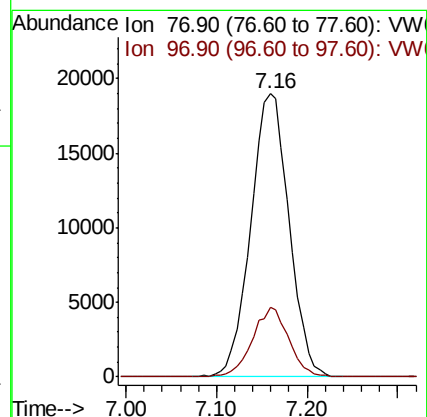
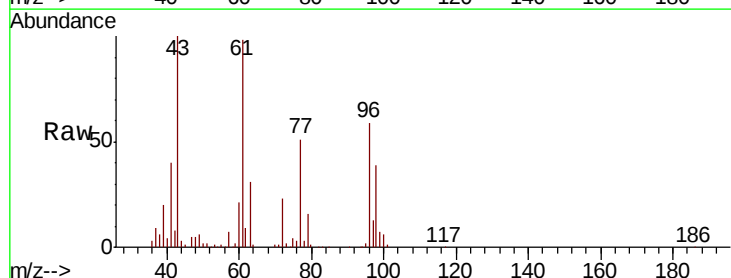
Acq: 08 Jul 2019 16:19

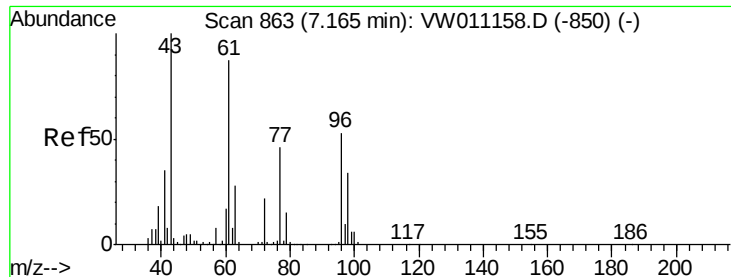
Tgt Ion: 77 Resp: 55431

Ion Ratio Lower Upper

77 100

97 23.1 11.2 33.5



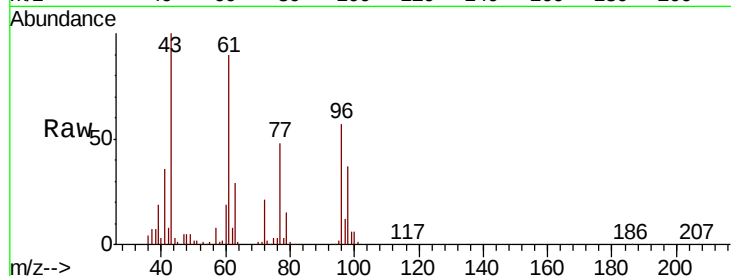


#27

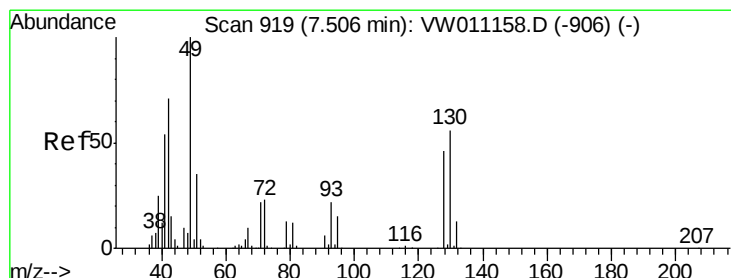
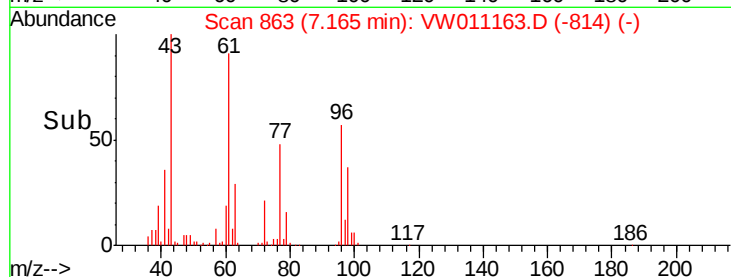
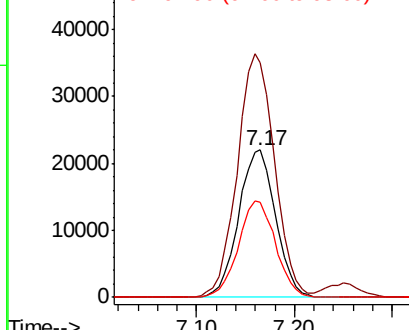
cis-1,2-Dichloroethene
Concen: 19.445 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 57796
Ion Ratio Lower Upper
96 100
61 166.4 0.0 325.6
98 65.5 0.0 128.2



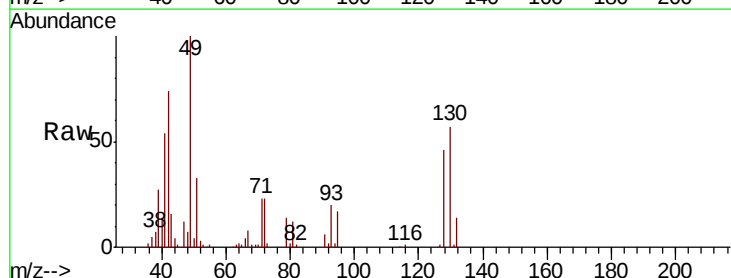
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



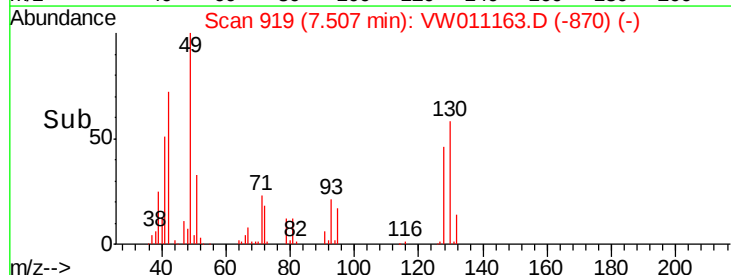
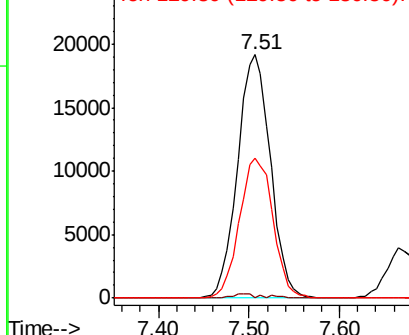
#28

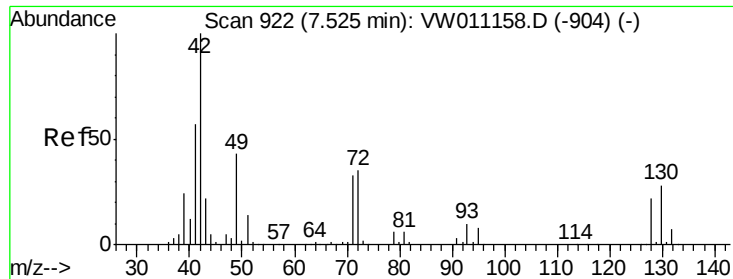
Bromochloromethane
Concen: 19.397 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion: 49 Resp: 48168
Ion Ratio Lower Upper
49 100
129 0.9 0.0 1.4
130 58.3 45.8 68.8



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

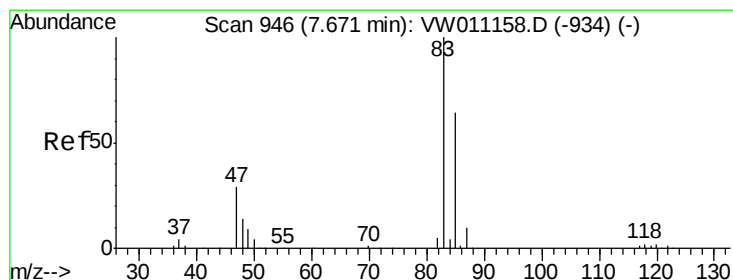
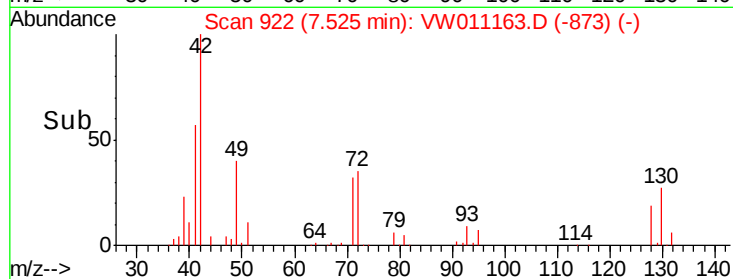
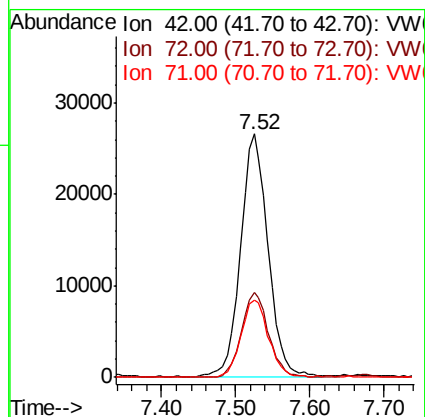
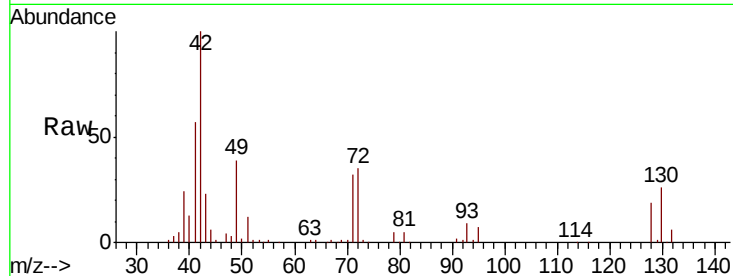




#29
Tetrahydrofuran
Concen: 92.075 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

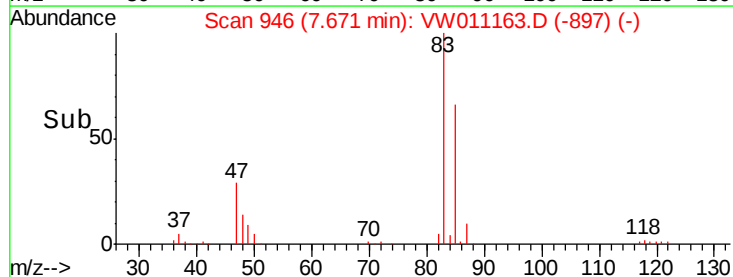
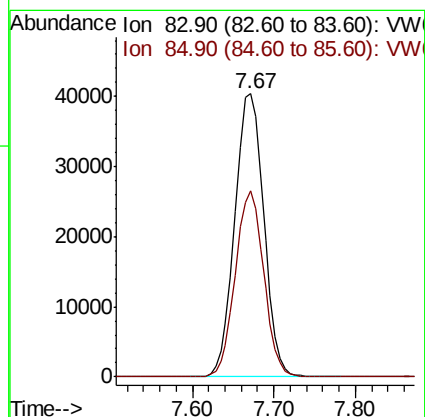
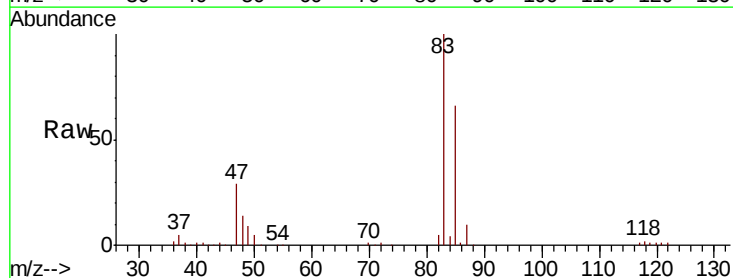
Instrument :
MSVOA_W
ClientSampleId :

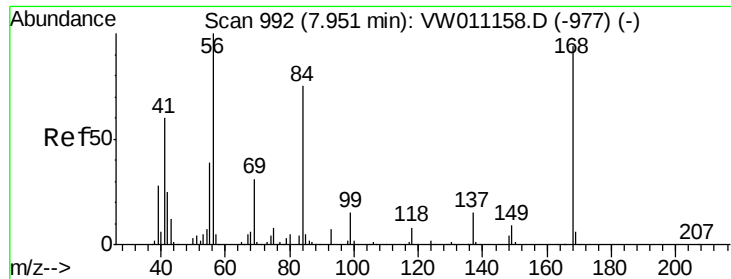
Tot Ion	Ratio	Lower	Upper
42	100		
72	34.8	27.4	41.2
71	32.1	25.9	38.9



#30
Chloroform
Concen: 19.657 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.4	77.2





#31

Cyclohexane

Concen: 19.253 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

ClientSampleId :

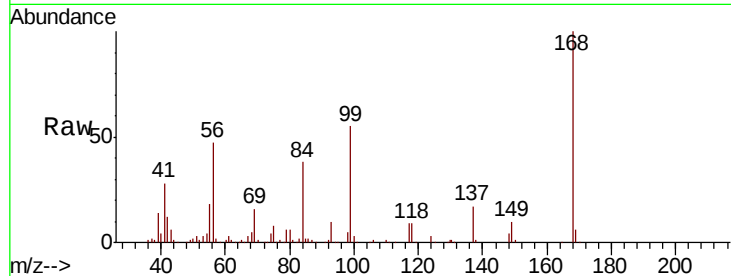
Tot Ion: 56 Resp: 111866

Ion Ratio Lower Upper

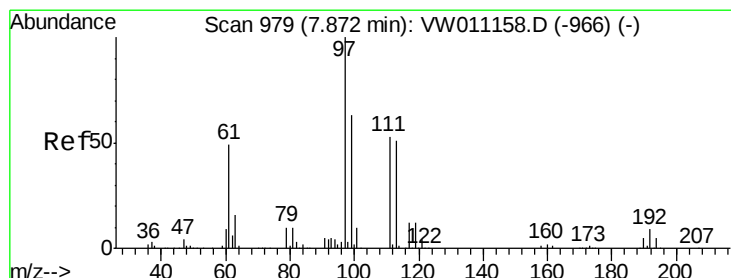
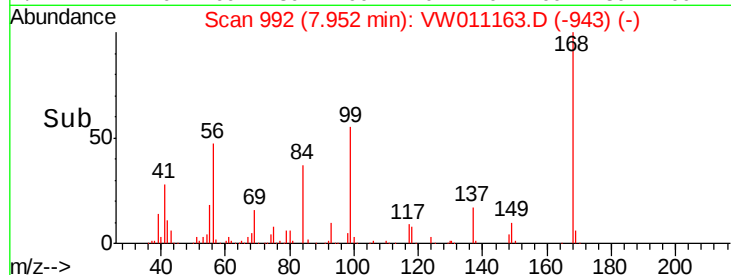
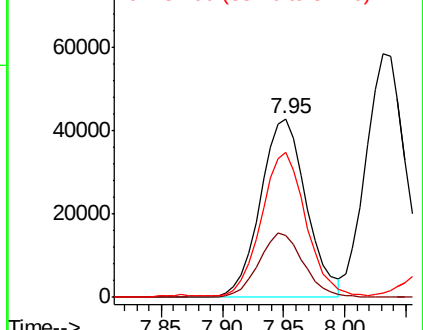
56 100

69 34.3 24.6 36.8

84 80.1 60.1 90.1



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



#32

1,1,1-Trichloroethane

Concen: 19.531 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

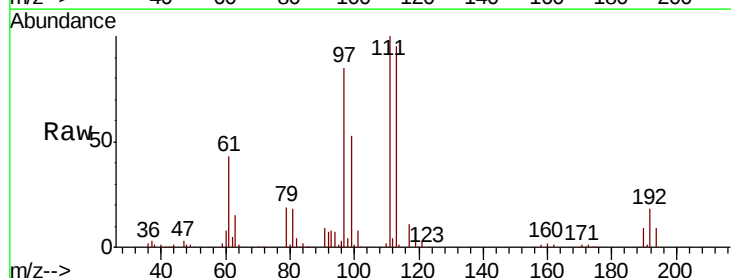
Tgt Ion: 97 Resp: 75145

Ion Ratio Lower Upper

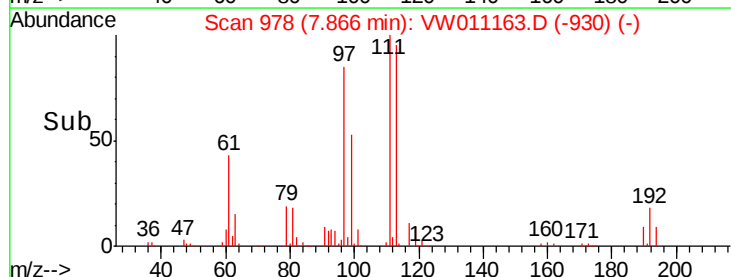
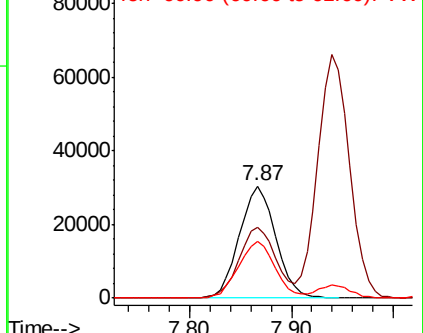
97 100

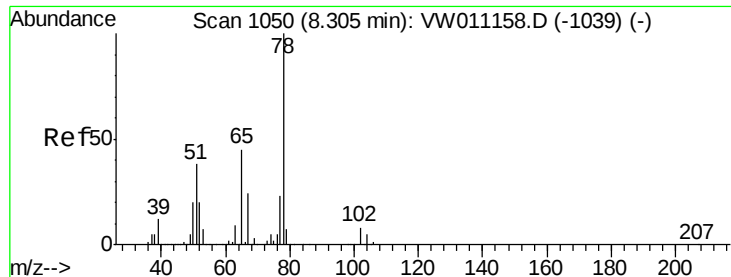
99 64.4 51.0 76.4

61 51.4 40.4 60.6



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

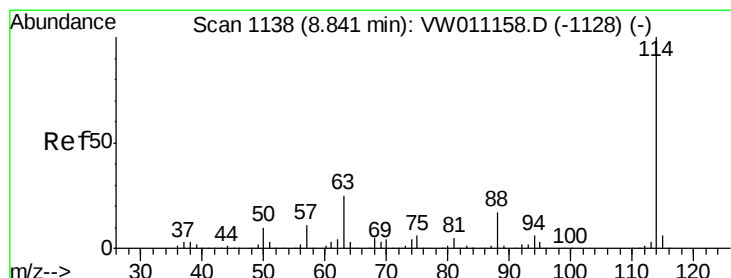
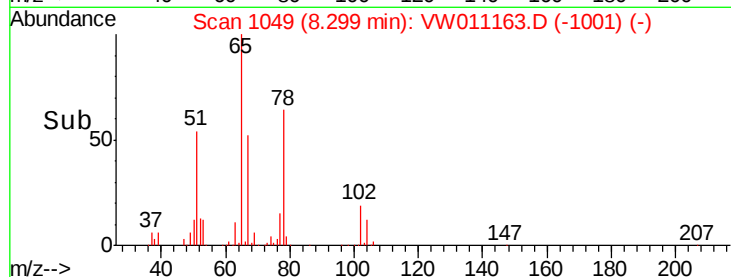
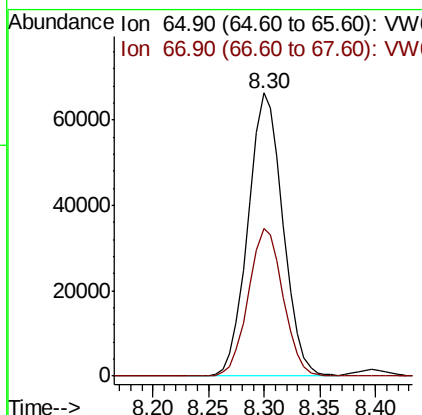
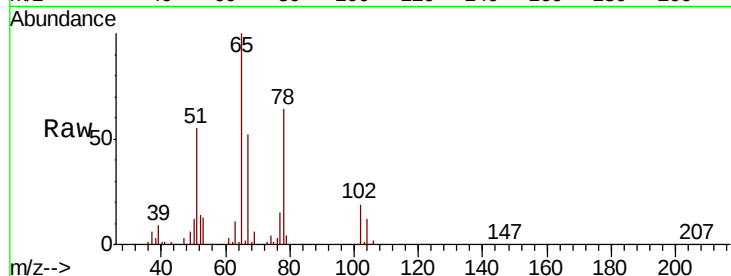




#33
 1,2-Dichloroethane-d4
 Concen: 48.223 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

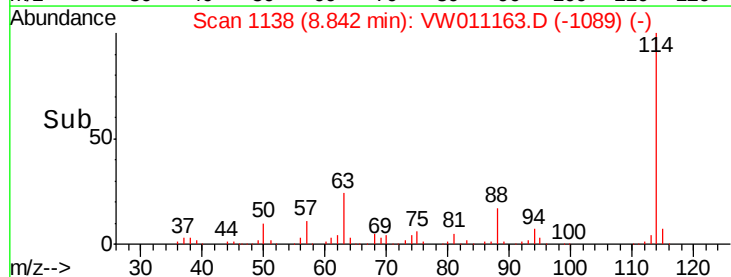
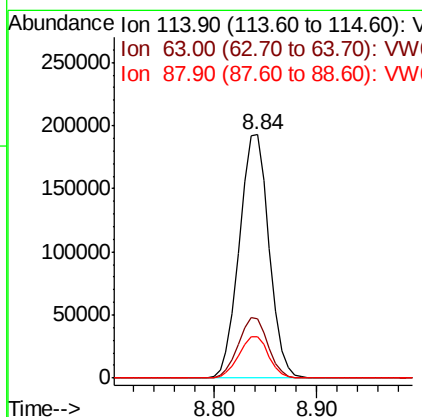
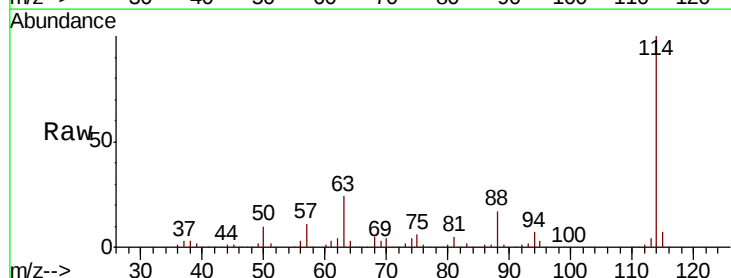
Instrument :
 MSVOA_W
 ClientSampleId :

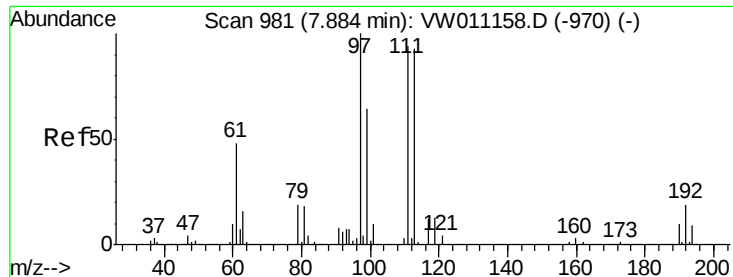
Tot Ion: 65 Resp: 144639
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Tgt Ion: 114 Resp: 390184
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 50.8
 88 16.9 0.0 34.2

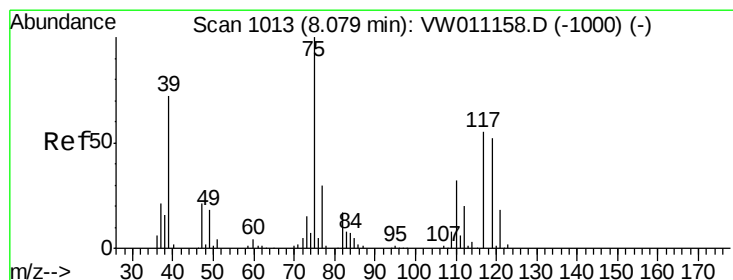
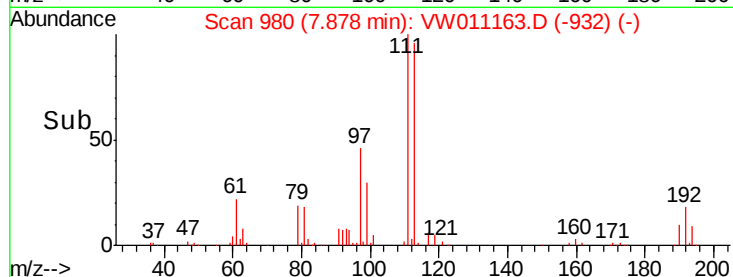
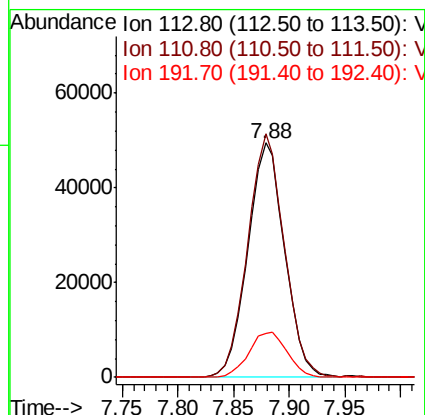
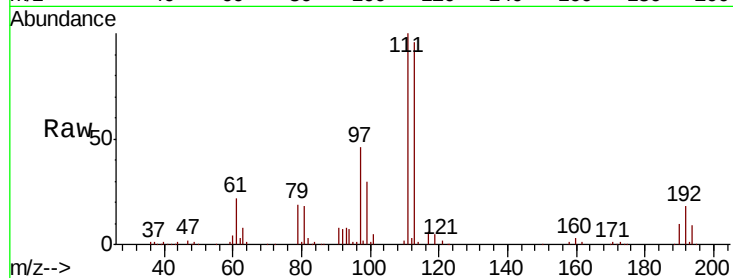




#35
 Dibromofluoromethane
 Concen: 49.071 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

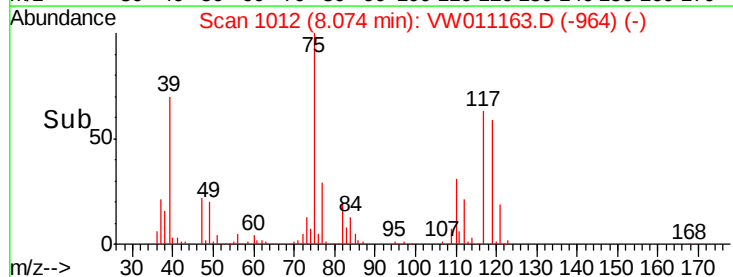
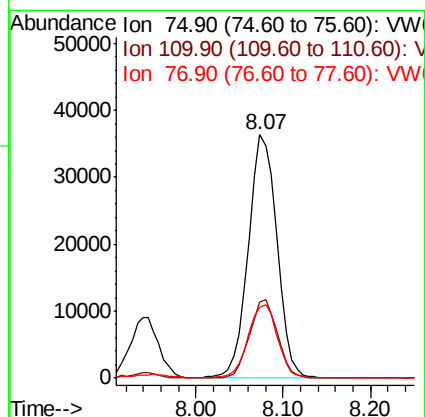
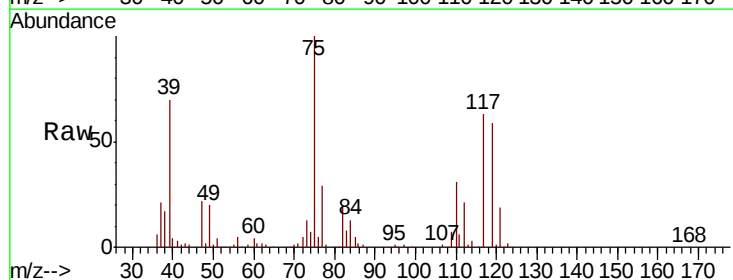
Instrument :
 MSVOA_W
 ClientSampleId :

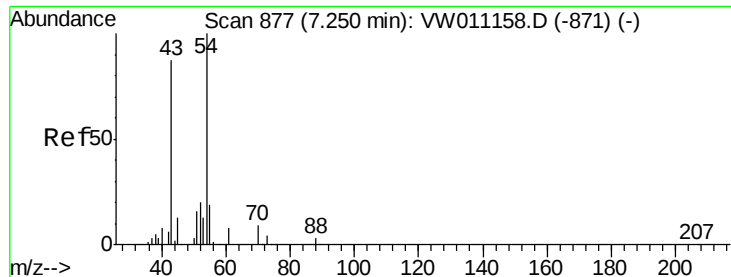
Tot Ion:113 Resp: 114124
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.4 123.6
 192 20.1 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 19.970 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Tgt Ion: 75 Resp: 82976
 Ion Ratio Lower Upper
 75 100
 110 31.4 15.9 47.6
 77 31.1 24.6 36.8

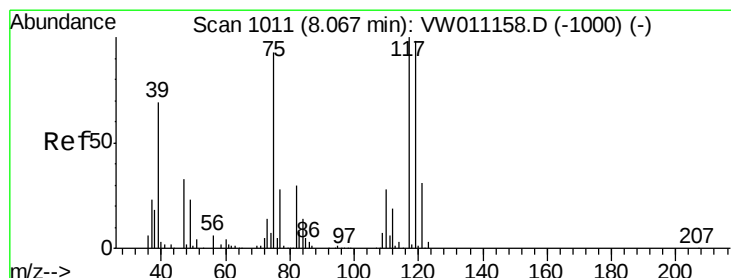
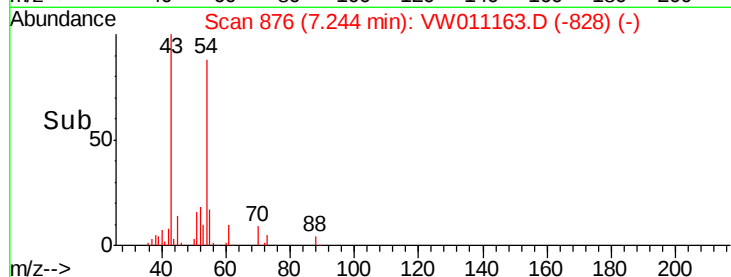
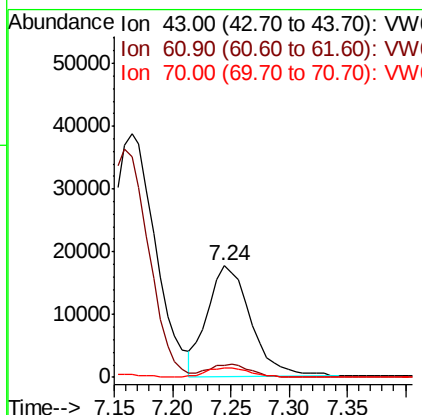
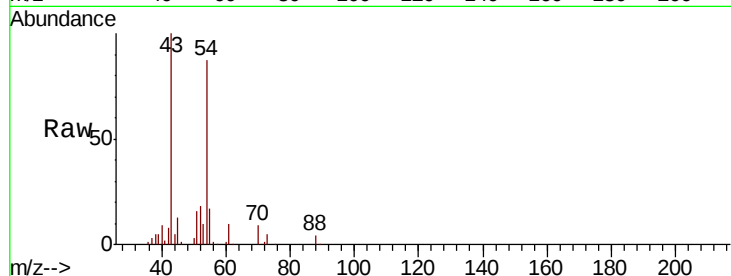




#37
Ethyl Acetate
Concen: 18.189 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

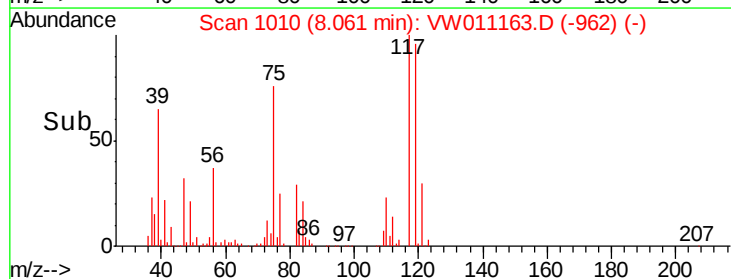
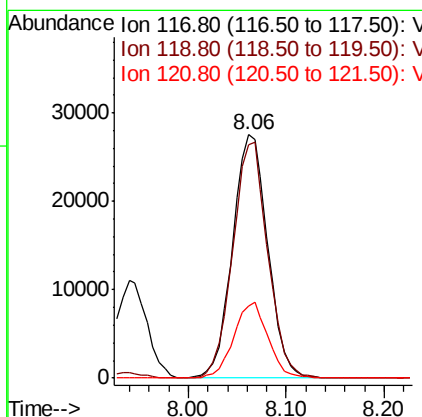
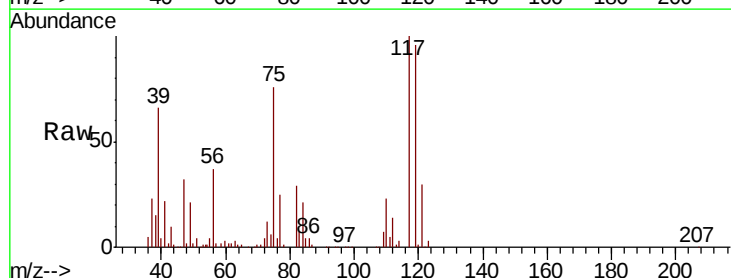
Instrument :
MSVOA_W
ClientSampled :

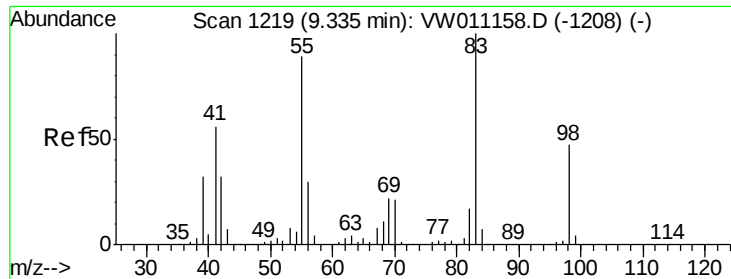
Tot Ion: 43 Resp: 45409
Ion Ratio Lower Upper
43 100
61 11.5 9.5 14.3
70 9.1 7.1 10.7



#38
Carbon Tetrachloride
Concen: 19.535 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion: 117 Resp: 68808
Ion Ratio Lower Upper
117 100
119 95.7 78.1 117.1
121 29.8 25.1 37.7

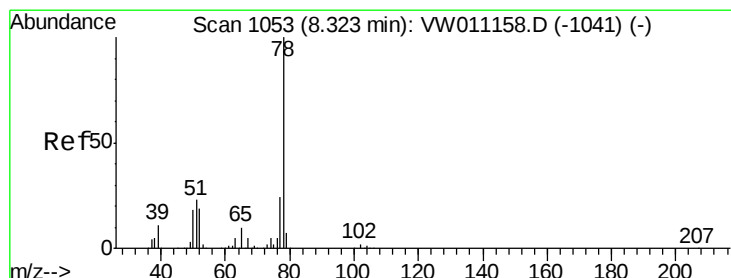
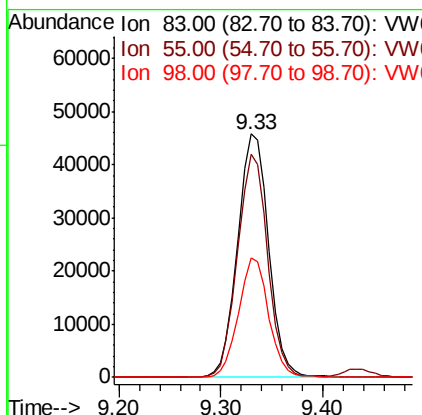
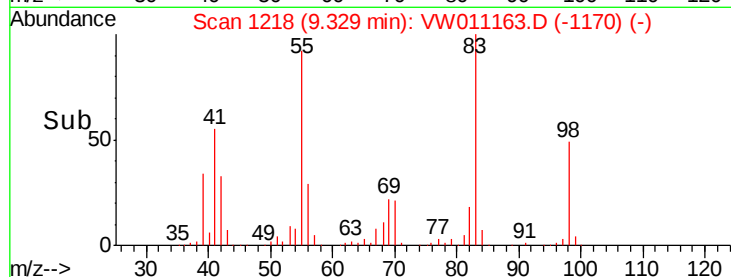
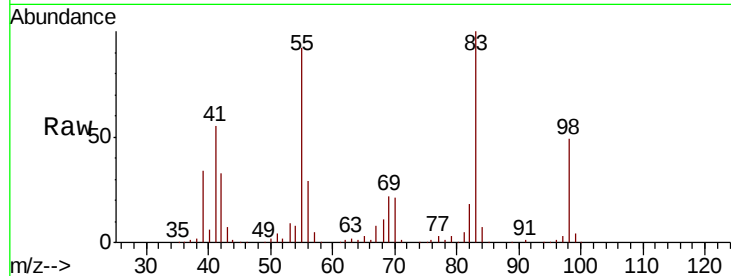




#39
Methvlcvclohexane
Concen: 19.212 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

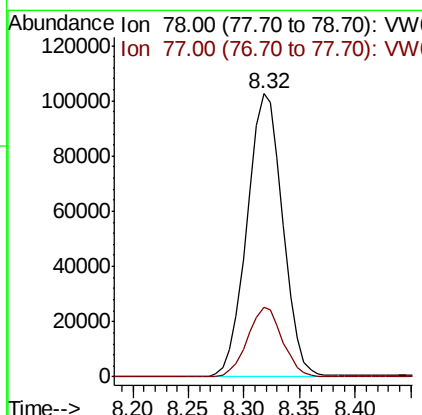
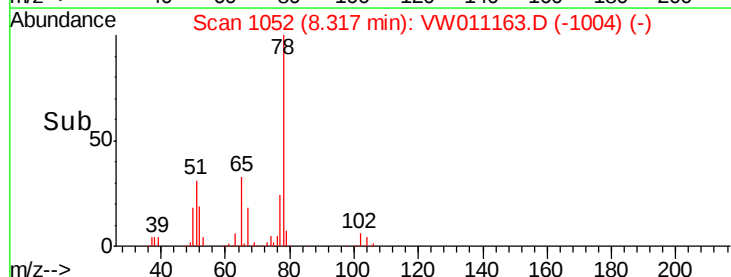
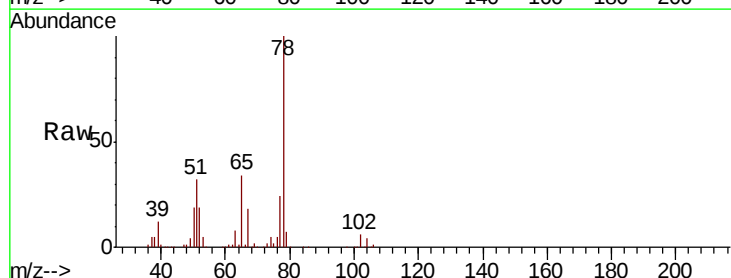
Instrument :
MSVOA_W
ClientSampled :

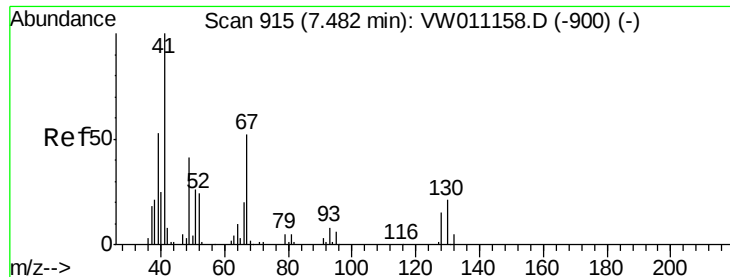
Tot Ion: 83 Resp: 96756
Ion Ratio Lower Upper
83 100
55 91.5 71.2 106.8
98 49.0 37.5 56.3



#40
Benzene
Concen: 19.986 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion: 78 Resp: 229504
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6





#41

Methacrylonitrile

Concen: 18.337 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 41 Resp: 26182

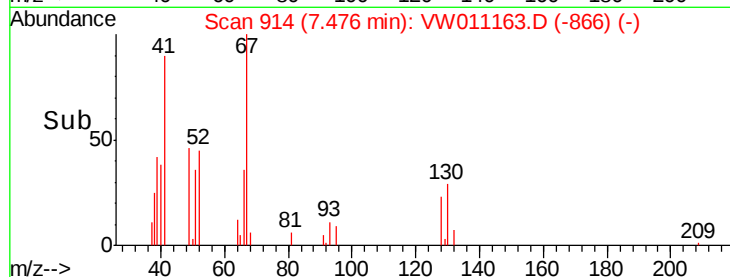
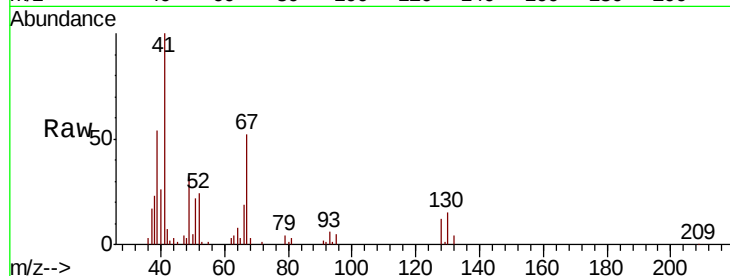
Ion Ratio Lower Upper

41 100

39 63.5 48.0 72.0

67 60.9 49.7 74.5

52 28.5 23.4 35.0

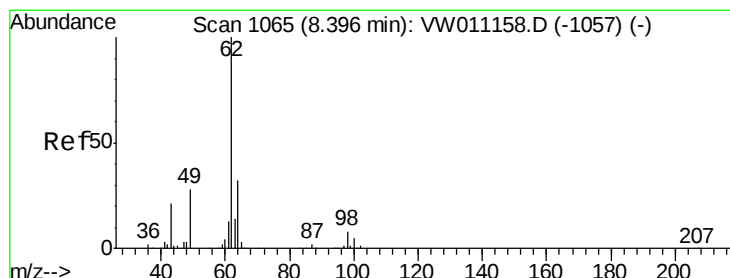
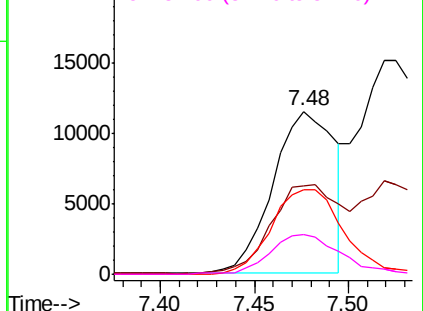


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 19.529 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011163.D

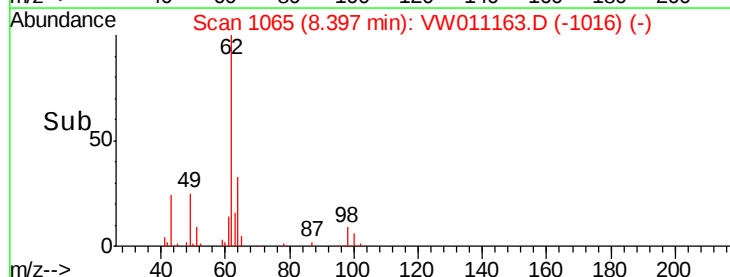
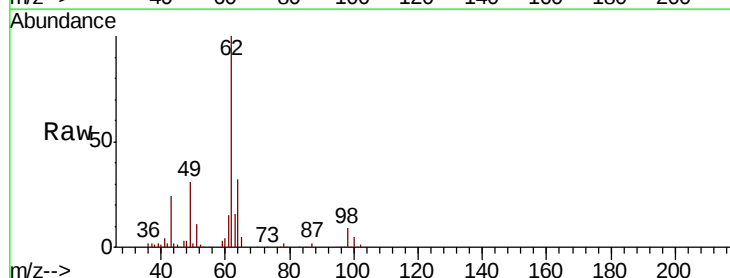
Acq: 08 Jul 2019 16:19

Tgt Ion: 62 Resp: 72746

Ion Ratio Lower Upper

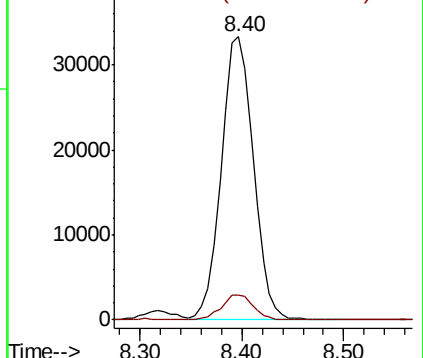
62 100

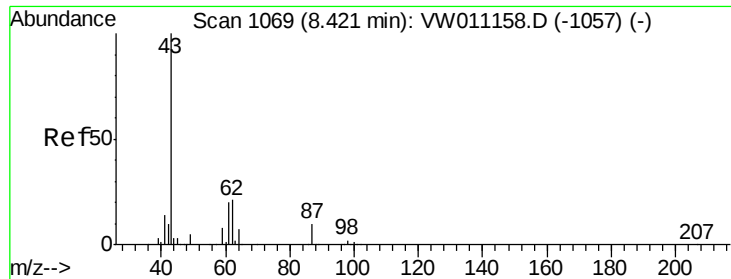
98 8.7 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

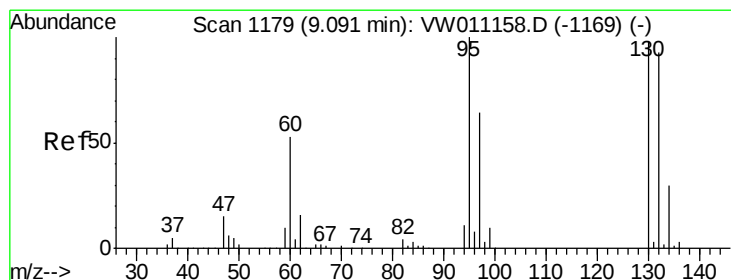
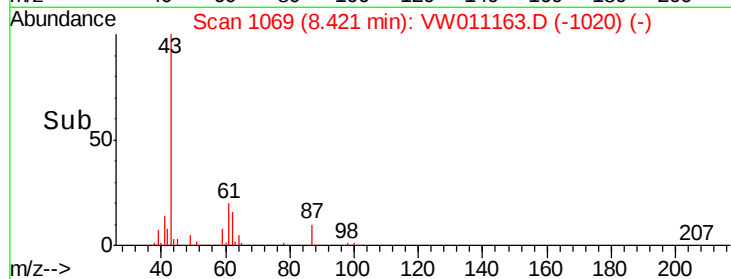
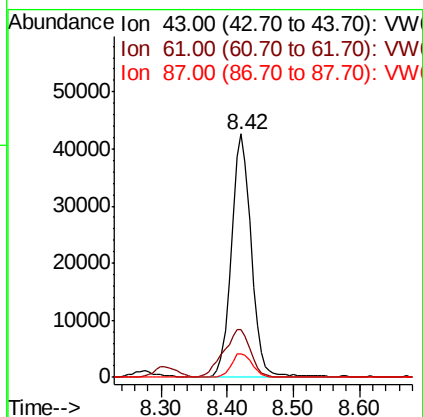
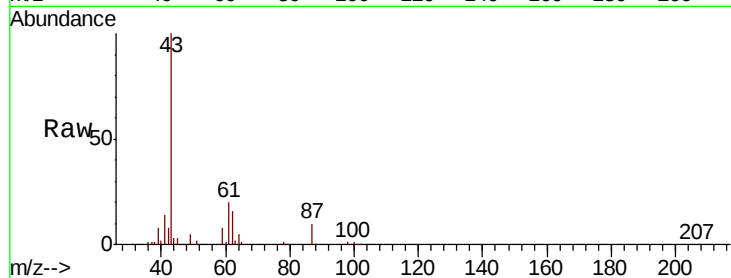




#43
Isopropyl Acetate
Concen: 18.596 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

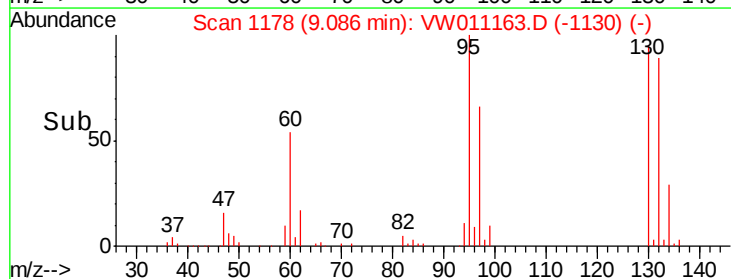
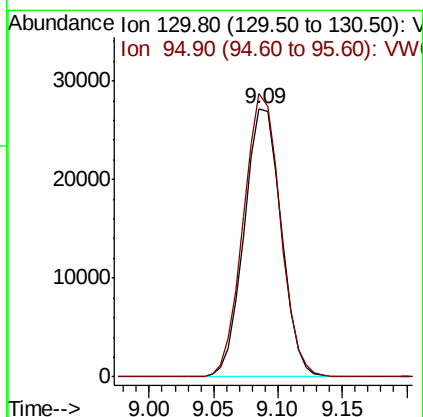
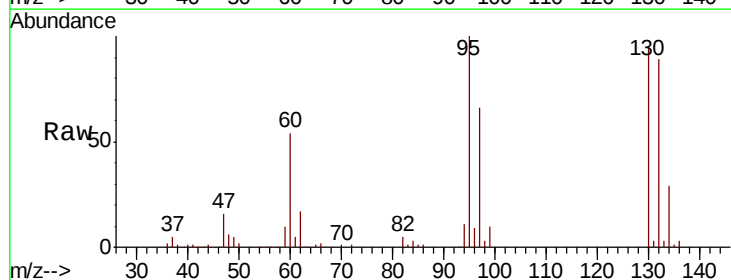
Instrument :
MSVOA_W
ClientSampled :

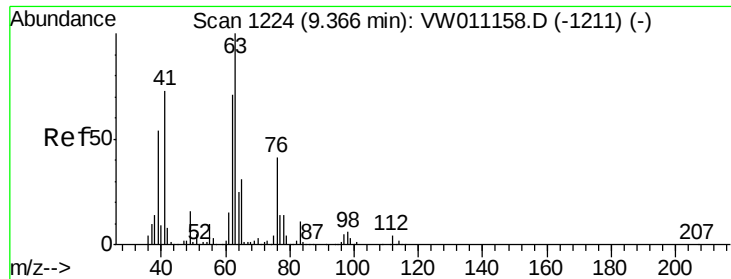
Tot Ion: 43 Resp: 87647
Ion Ratio Lower Upper
43 100
61 26.6 20.7 31.1
87 10.2 8.1 12.1



#44
Trichloroethene
Concen: 19.551 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion:130 Resp: 54026
Ion Ratio Lower Upper
130 100
95 105.5 0.0 203.6

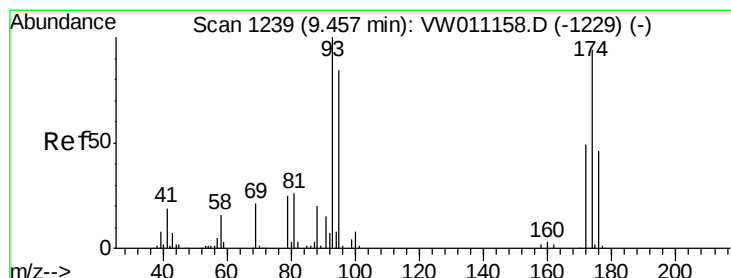
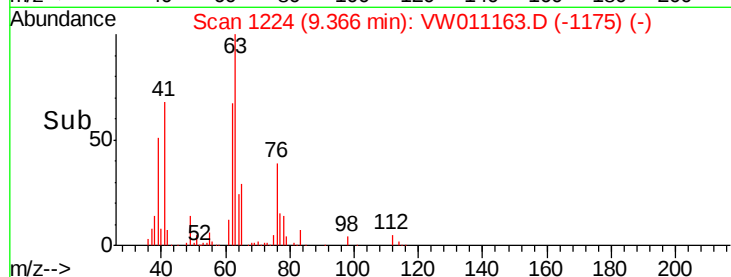
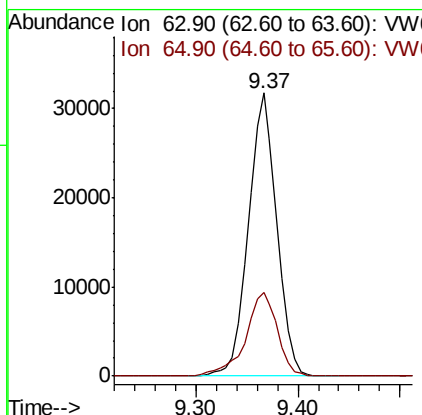
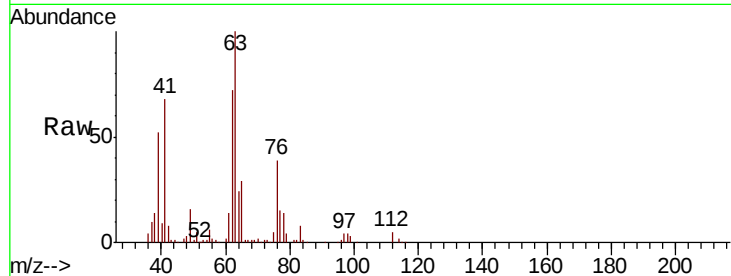




#45
 1,2-Dichloropropane
 Concen: 19.748 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

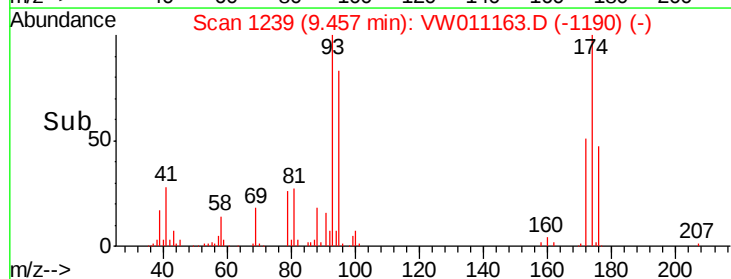
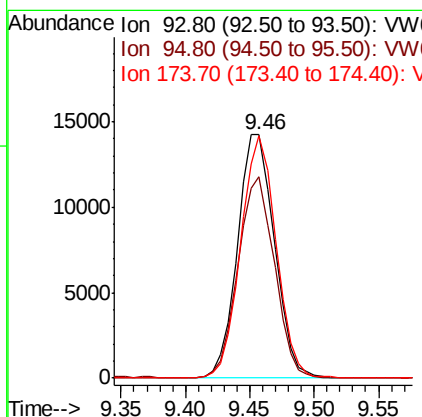
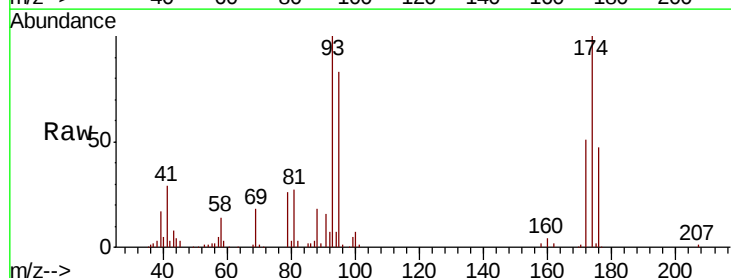
Instrument :
 MSVOA_W
 ClientSampleId :

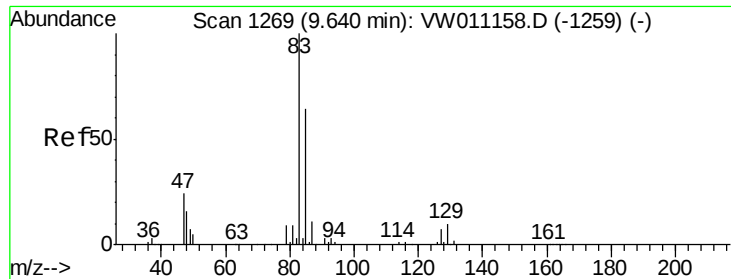
Tot Ion: 63 Resp: 61408
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.4 36.6



#46
 Dibromomethane
 Concen: 19.395 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Tgt Ion: 93 Resp: 28331
 Ion Ratio Lower Upper
 93 100
 95 81.4 67.2 100.8
 174 95.1 76.3 114.5





#47

Bromodichloromethane

Concen: 19.291 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

ClientSampled :

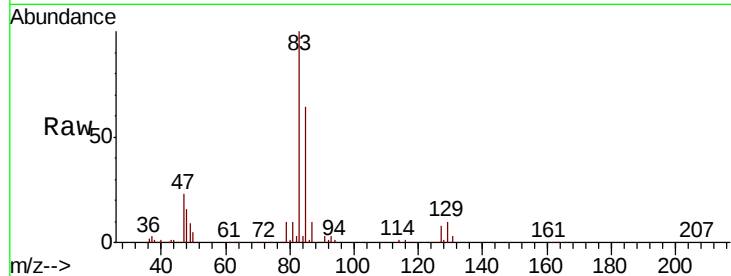
Tot Ion: 83 Resp: 72102

Ion Ratio Lower Upper

83 100

85 64.2 51.0 76.4

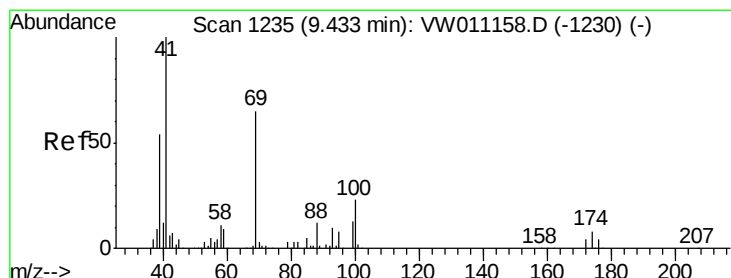
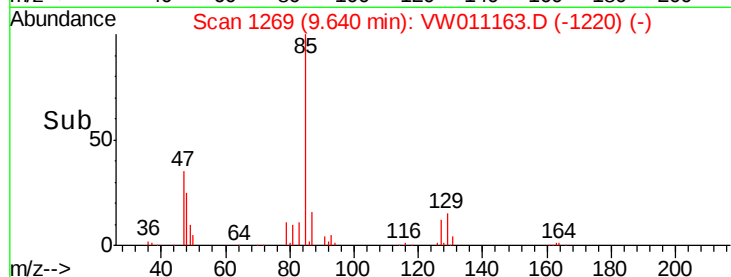
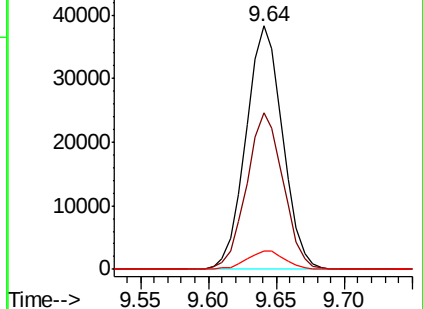
127 7.8 6.0 9.0



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: 18.851 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

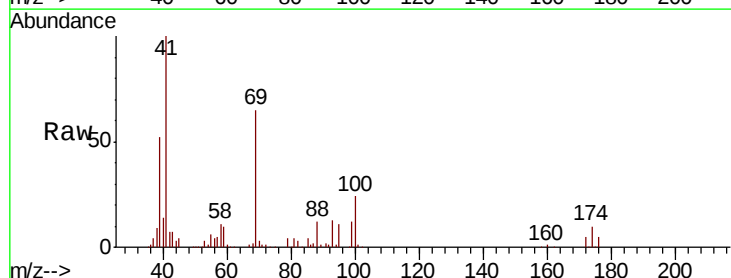
Tgt Ion: 41 Resp: 42747

Ion Ratio Lower Upper

41 100

69 71.0 56.0 84.0

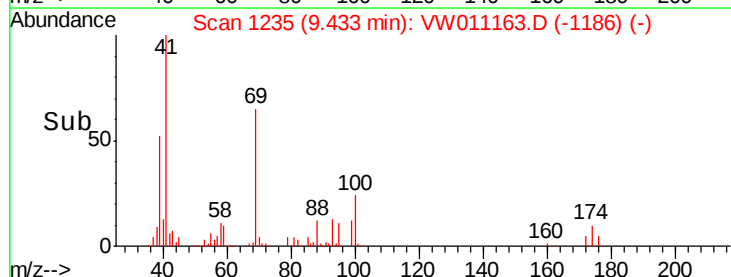
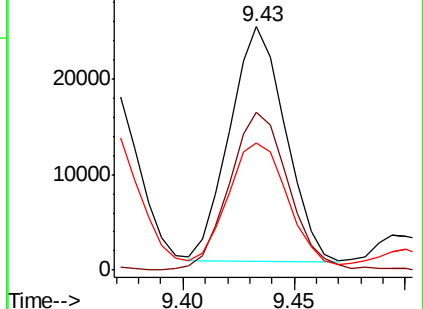
39 54.9 43.5 65.3

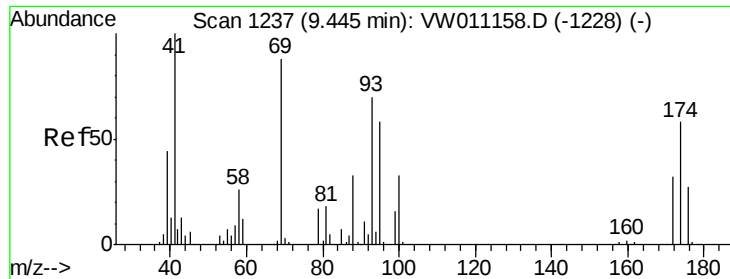


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

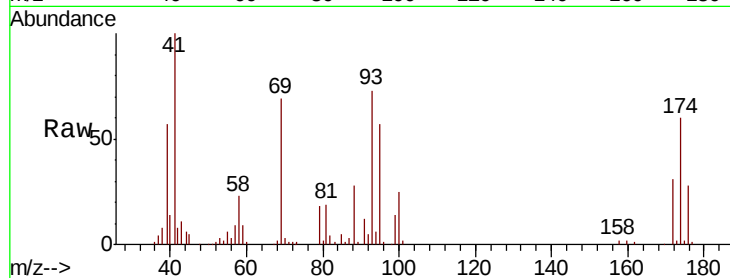




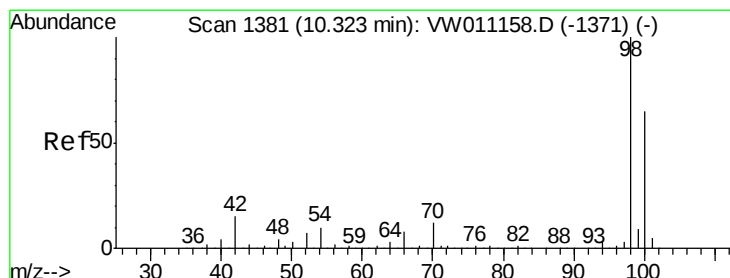
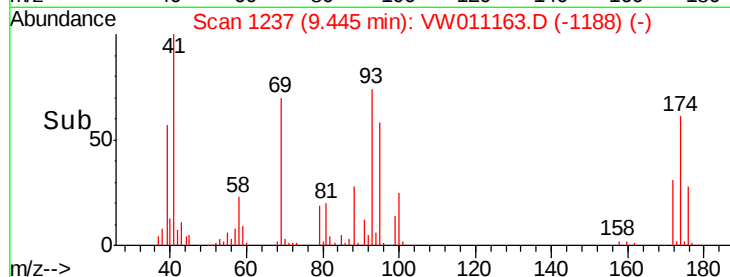
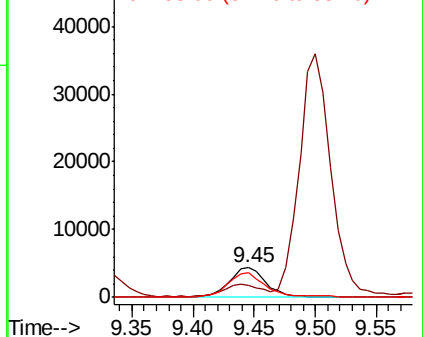
#49
1,4-Dioxane
Concen: 371.749 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 9064
Ion Ratio Lower Upper
88 100
43 42.0 33.4 50.0
58 84.0 64.5 96.7

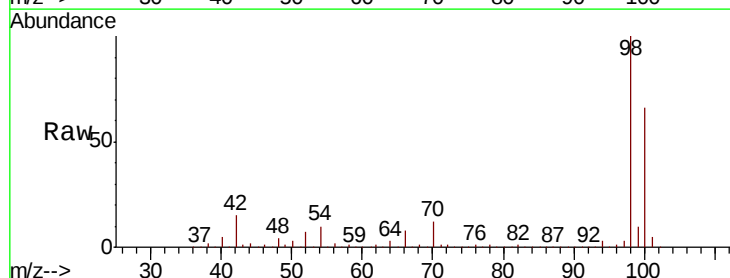


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

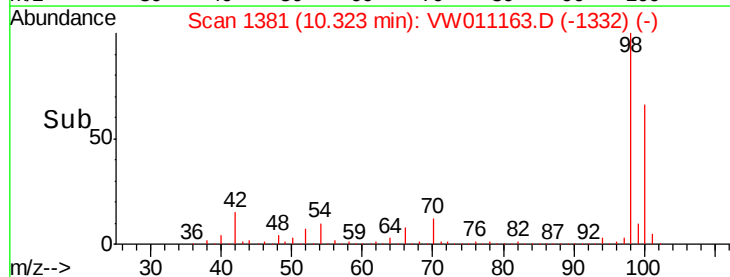
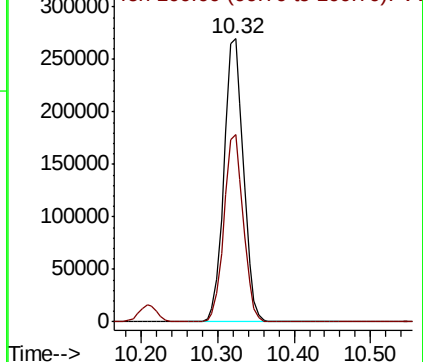


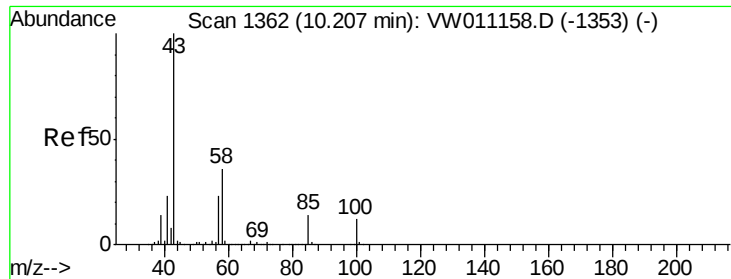
#50
Toluene-d8
Concen: 50.237 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion: 98 Resp: 472261
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



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

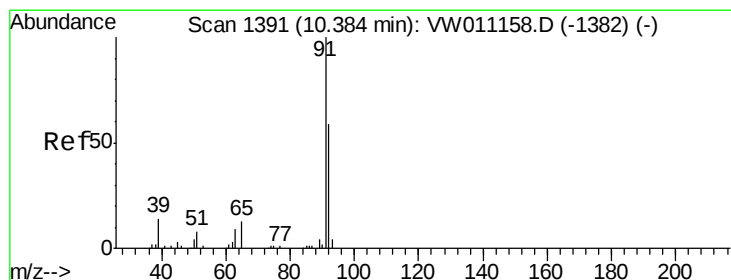
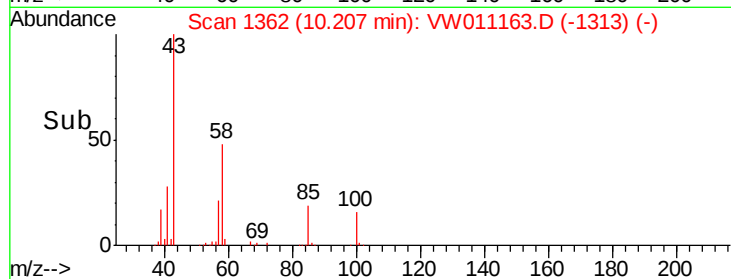
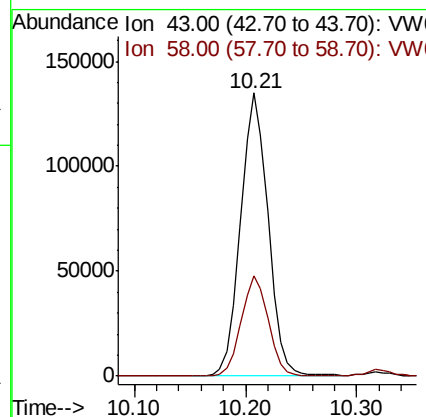
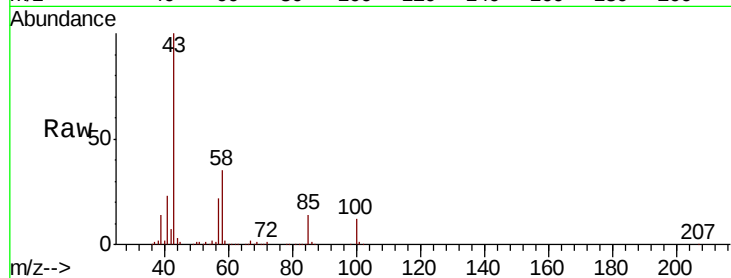




#51
4-Methyl-2-Pentanone
Concen: 93.550 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

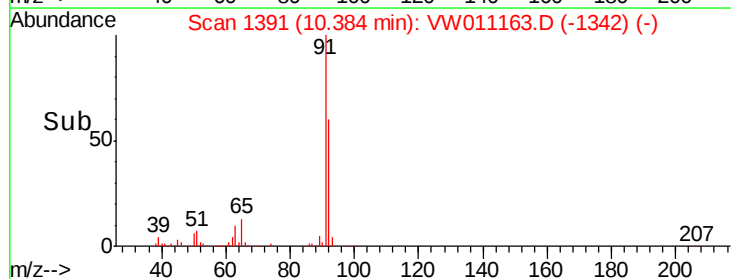
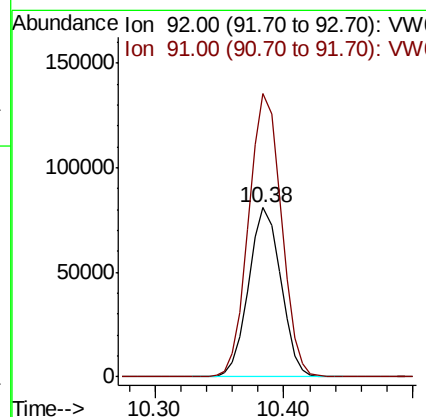
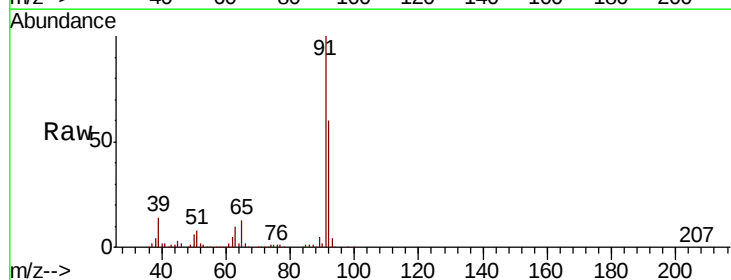
Instrument :
MSVOA_W
ClientSampled :

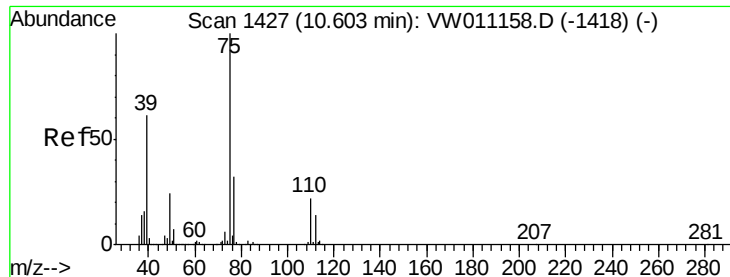
Tot Ion: 43 Resp: 230331
Ion Ratio Lower Upper
43 100
58 35.1 28.2 42.2



#52
Toluene
Concen: 20.095 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion: 92 Resp: 139978
Ion Ratio Lower Upper
92 100
91 169.5 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 18.599 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

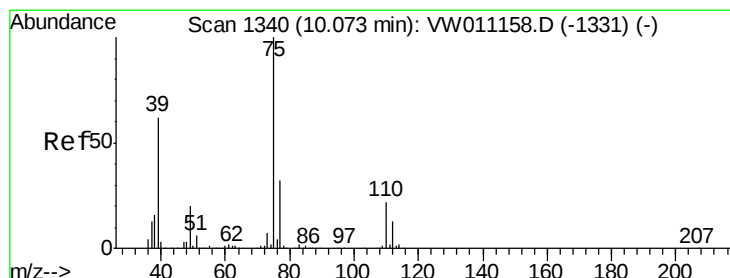
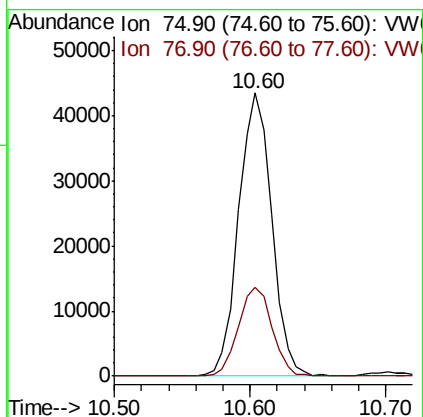
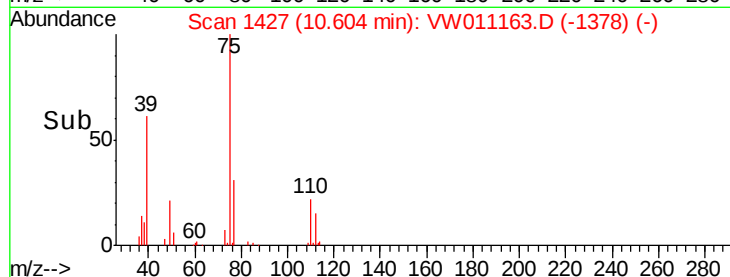
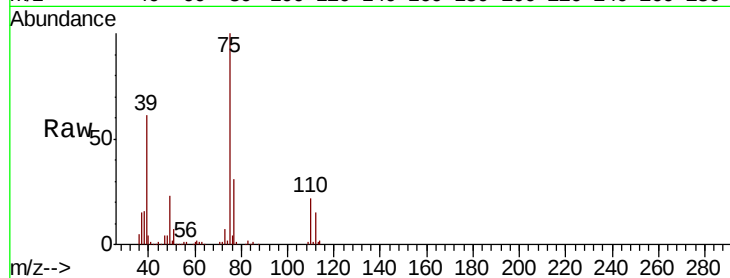
ClientSampled :

Tot Ion: 75 Resp: 73992

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 18.972 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

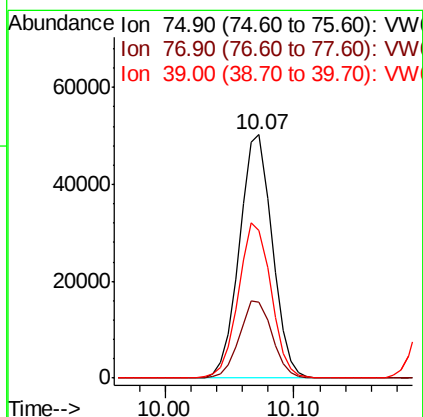
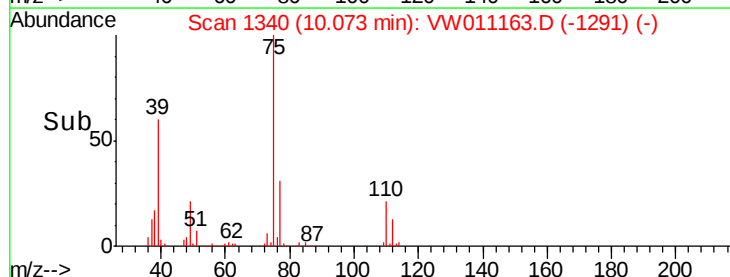
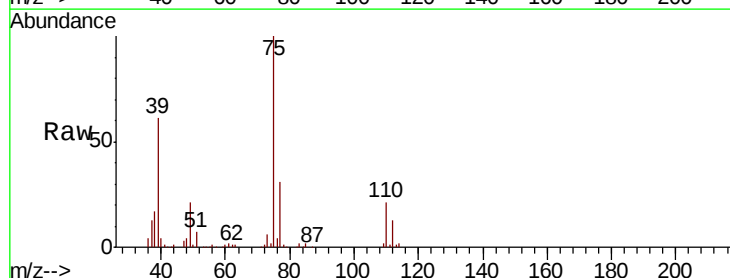
Tgt Ion: 75 Resp: 88839

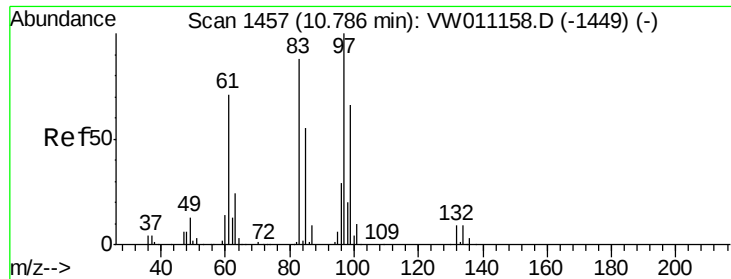
Ion Ratio Lower Upper

75 100

77 31.3 25.7 38.5

39 60.6 49.8 74.8

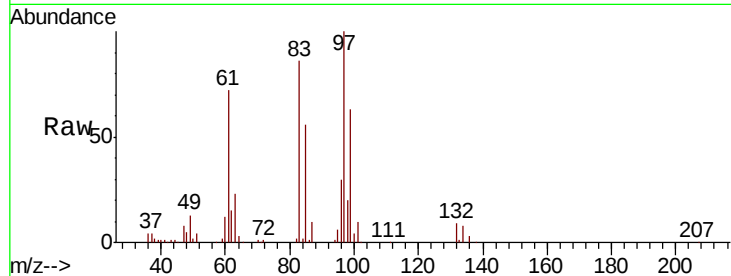




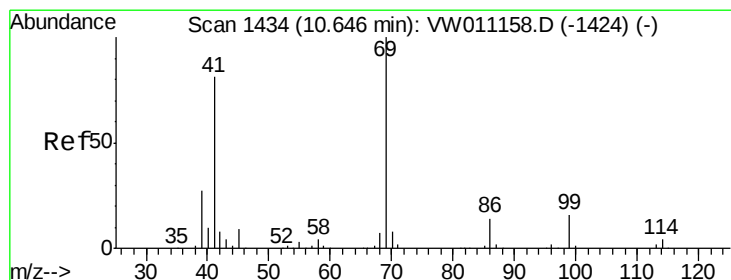
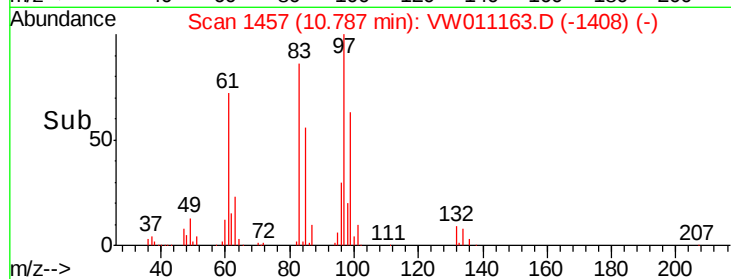
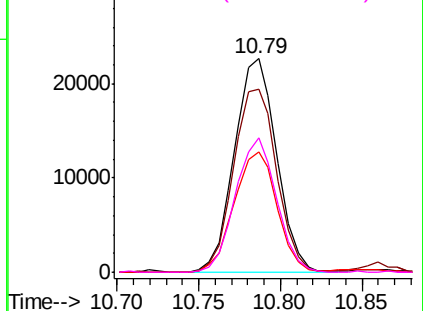
#55
 1,1,2-Trichloroethane
 Concen: 19.708 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 97 Resp: 40840
 Ion Ratio Lower Upper
 97 100
 83 85.4 70.2 105.4
 85 56.0 44.2 66.2
 99 62.8 52.6 79.0

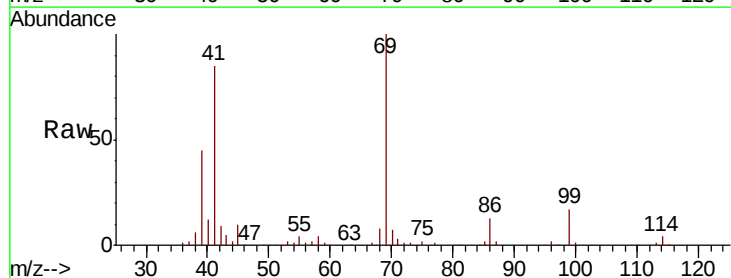


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

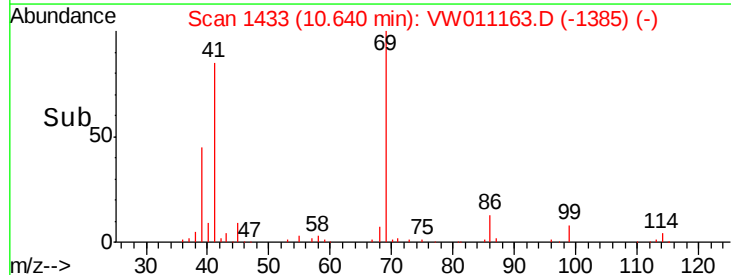
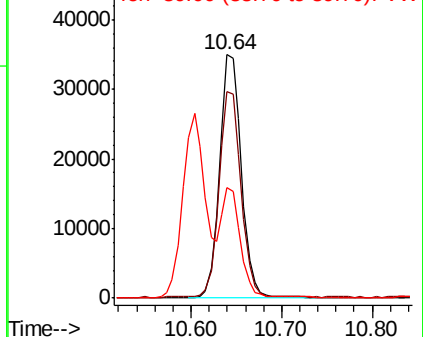


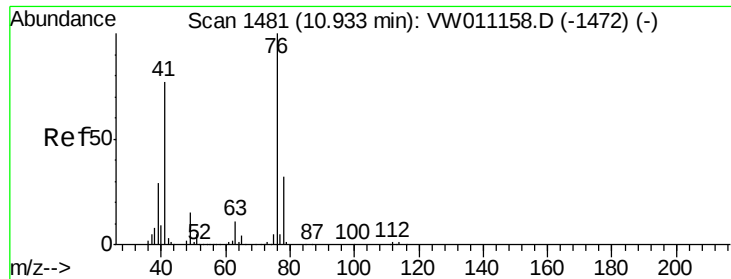
#56
 Ethyl methacrylate
 Concen: 18.595 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Tgt Ion: 69 Resp: 58668
 Ion Ratio Lower Upper
 69 100
 41 86.3 66.5 99.7
 39 39.3 32.5 48.7



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

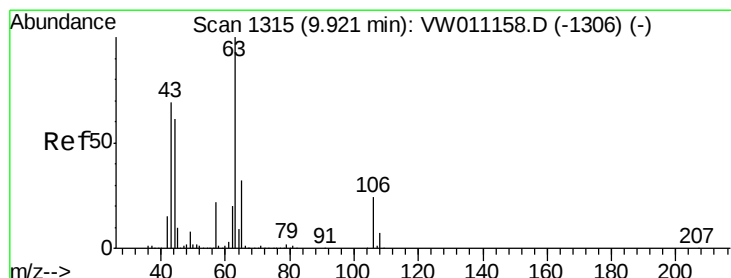
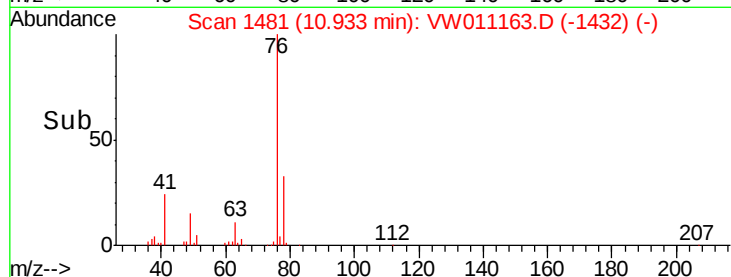
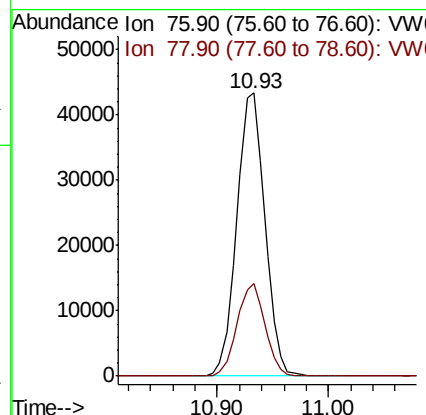
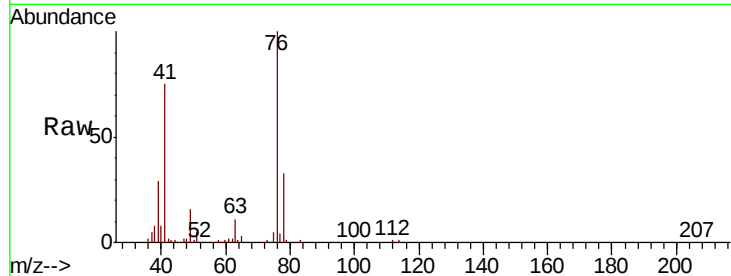




#57
 1,3-Dichloropropane
 Concen: 19.367 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

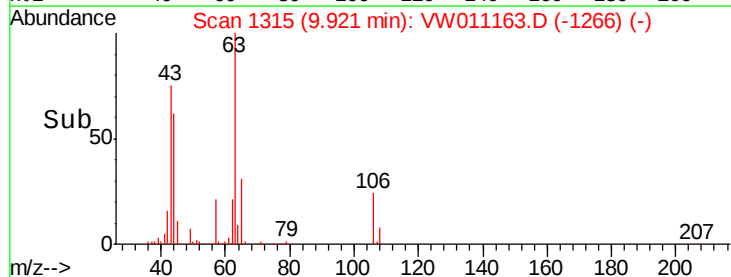
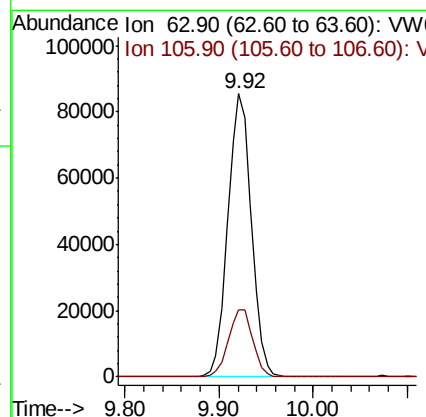
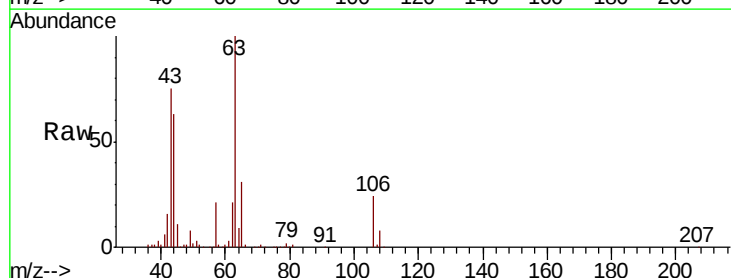
Instrument :
 MSVOA_W
 ClientSampleId :

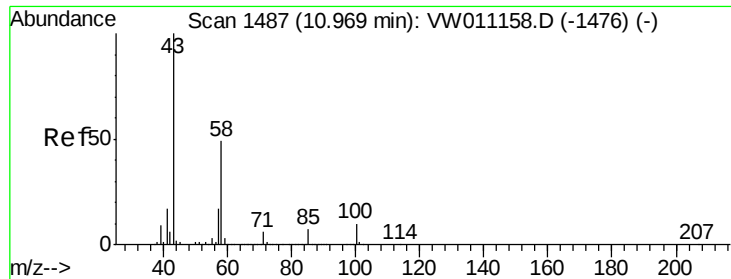
Tot Ion: 76 Resp: 75891
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.916 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Tgt Ion: 63 Resp: 147604
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.4 29.0

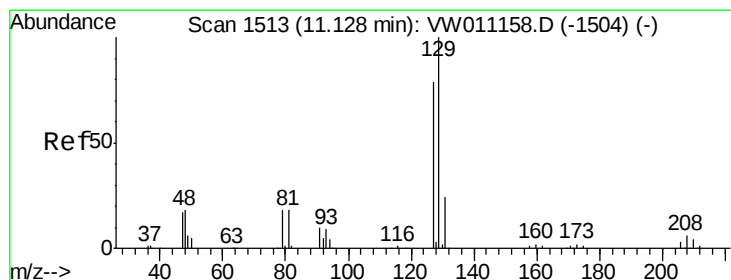
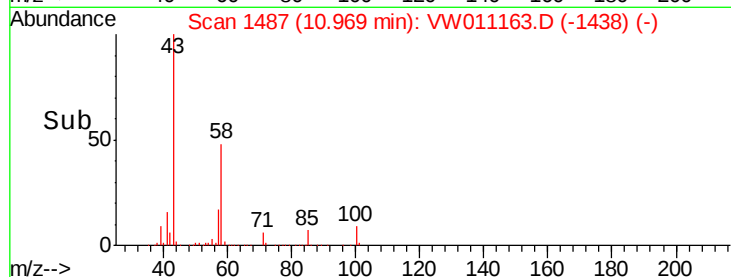
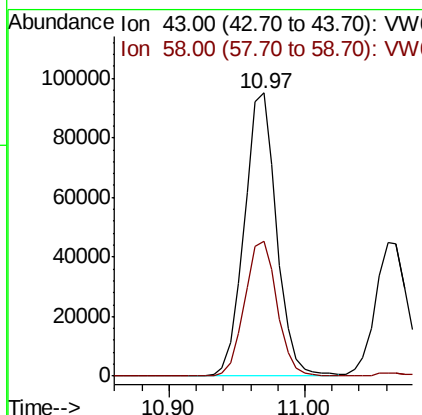
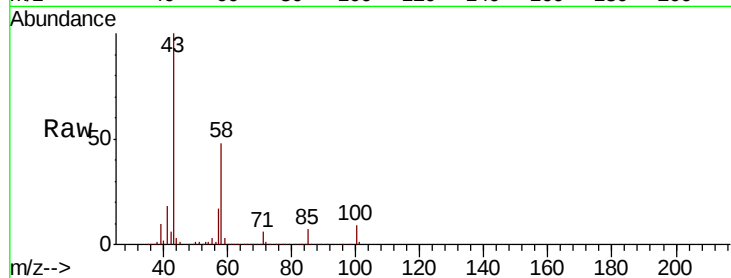




#59
2-Hexanone
Concen: 92.095 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

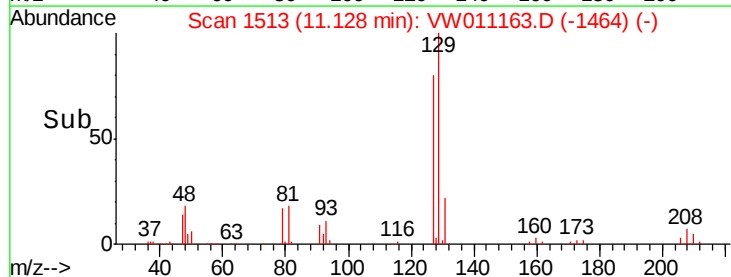
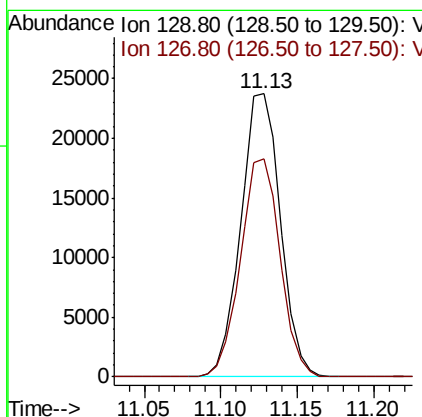
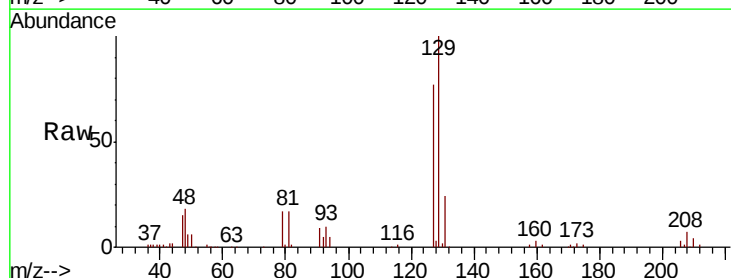
Instrument :
MSVOA_W
ClientSampleId :

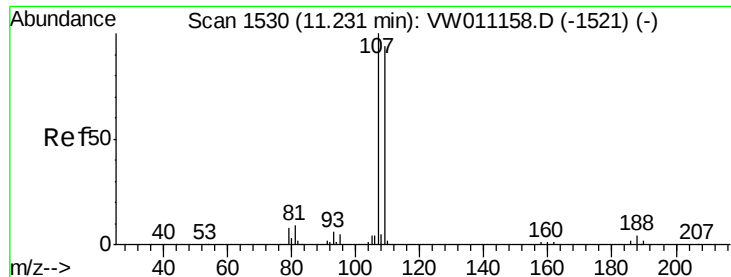
Tot Ion: 43 Resp: 157250
Ion Ratio Lower Upper
43 100
58 48.3 24.4 73.4



#60
Dibromochloromethane
Concen: 18.831 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion: 129 Resp: 42792
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.3

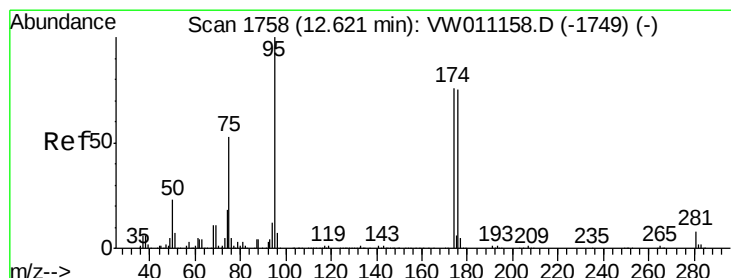
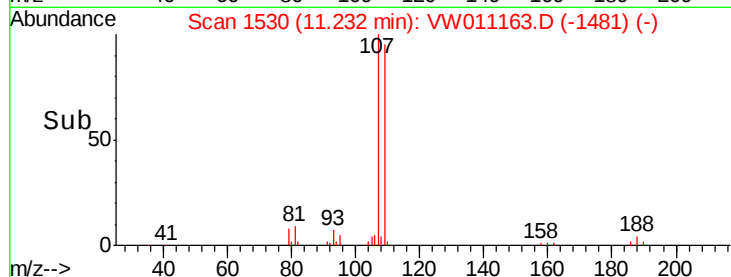
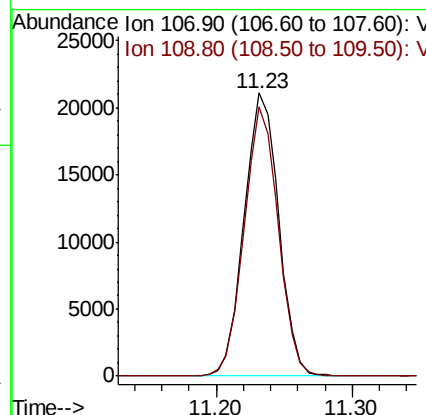
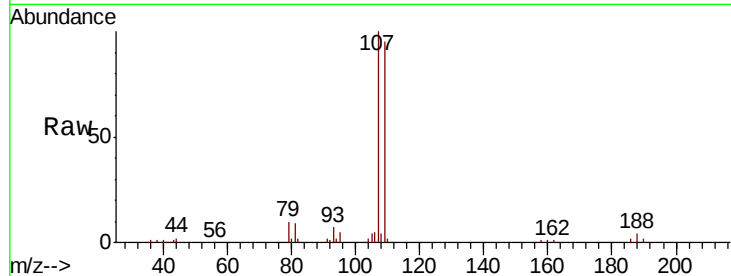




#61
 1,2-Dibromoethane
 Concen: 19.091 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

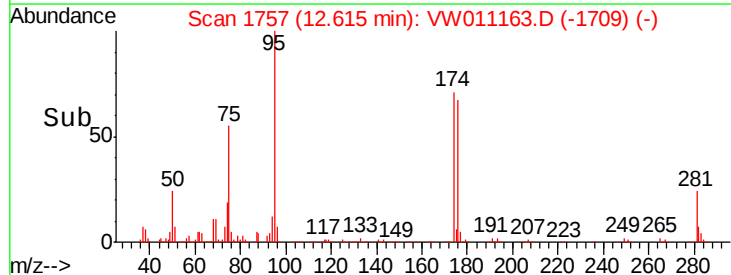
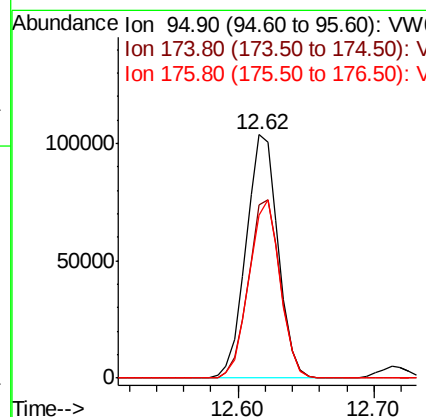
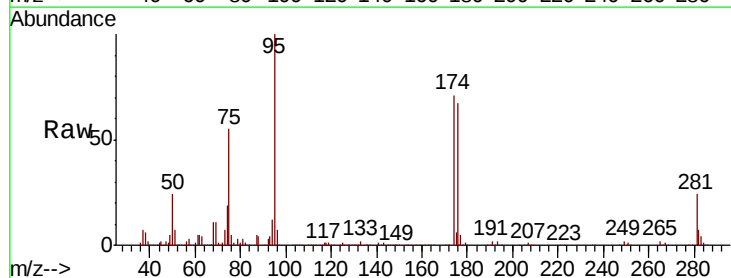
Instrument :
 MSVOA_W
 ClientSampleId :

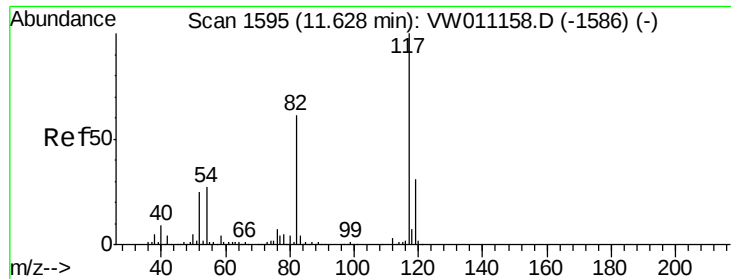
Tot Ion: 107 Resp: 37473
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 49.420 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Tgt Ion: 95 Resp: 170287
 Ion Ratio Lower Upper
 95 100
 174 73.3 0.0 147.6
 176 71.7 0.0 144.6

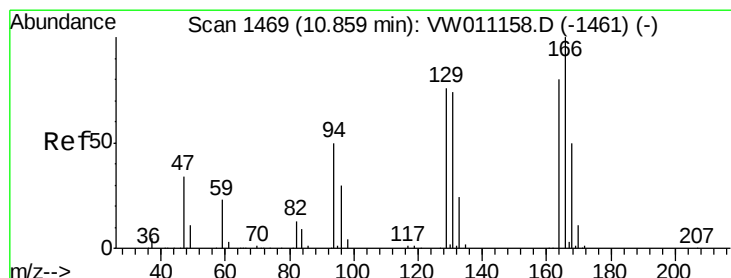
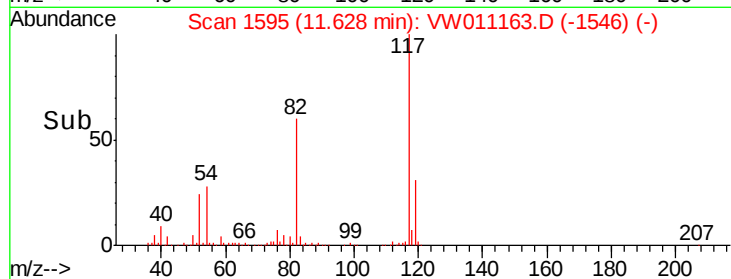
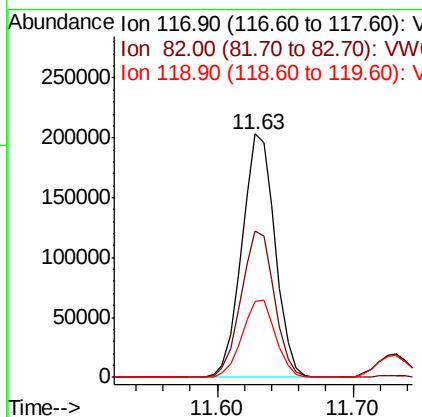
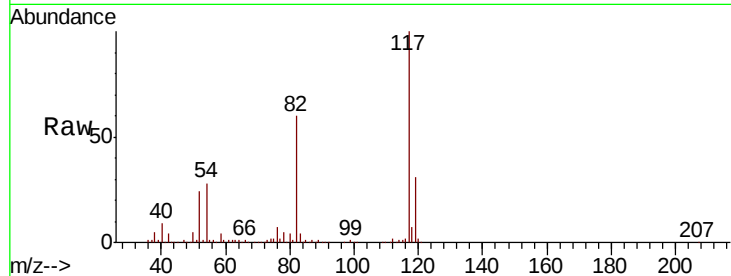




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

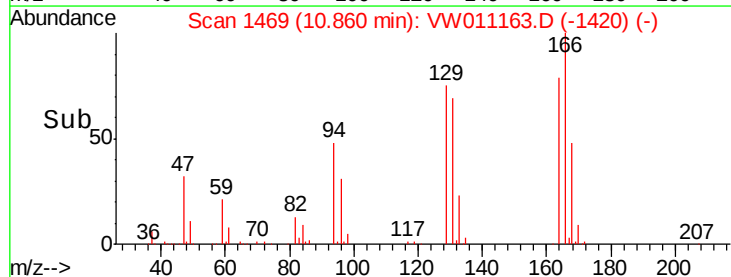
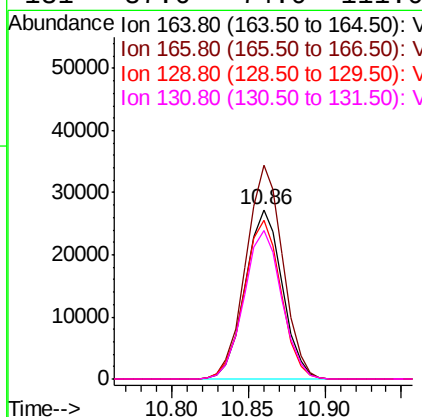
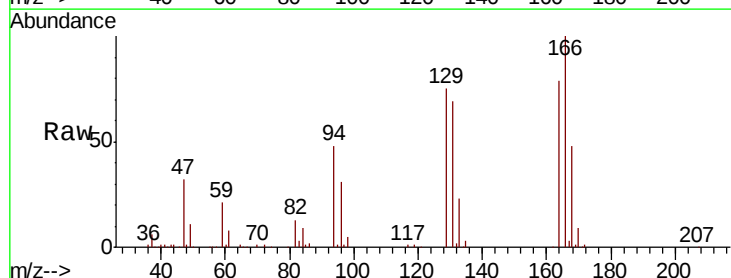
Instrument :
MSVOA_W
ClientSampleId :

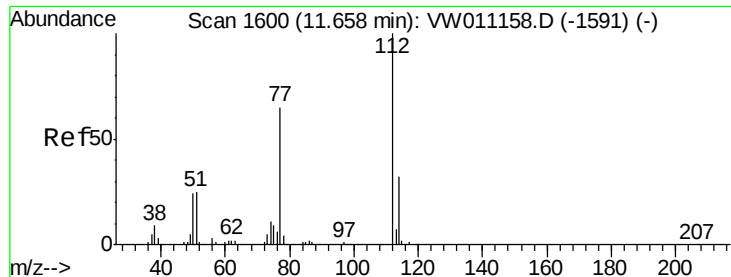
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	48.9	73.3
119	31.4	25.0	37.6



#64
Tetrachloroethene
Concen: 19.689 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	99.7	149.5
129	94.2	76.2	114.2
131	87.6	74.0	111.0

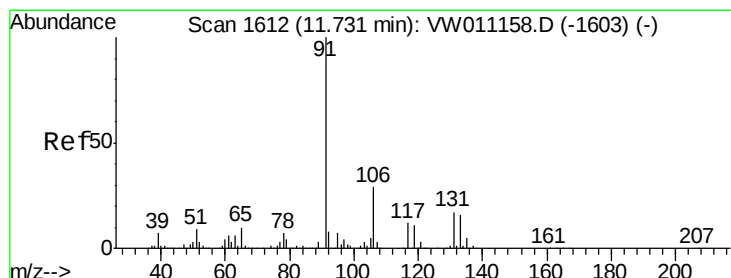
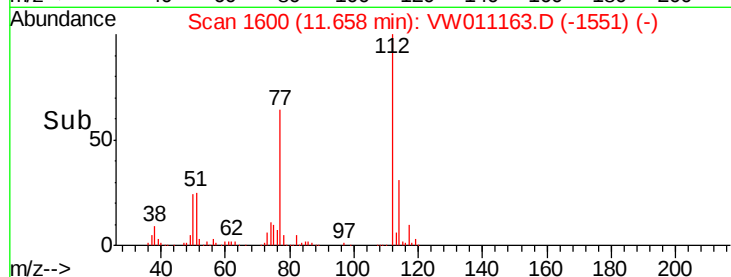
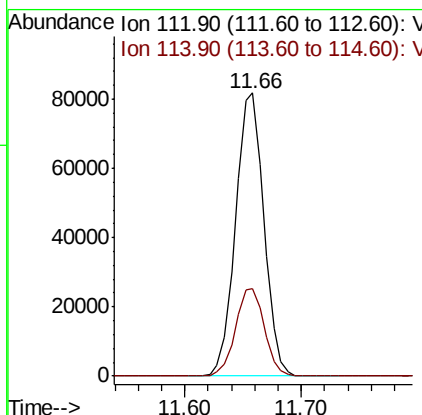
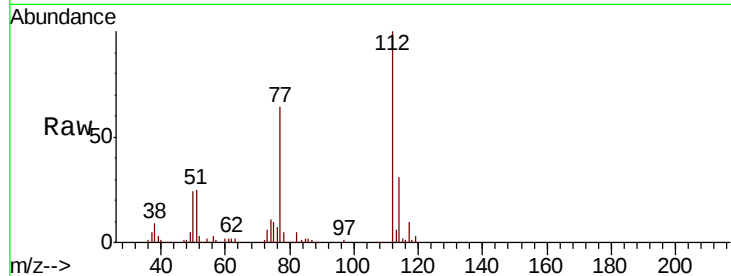




#65
Chlorobenzene
Concen: 19.788 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

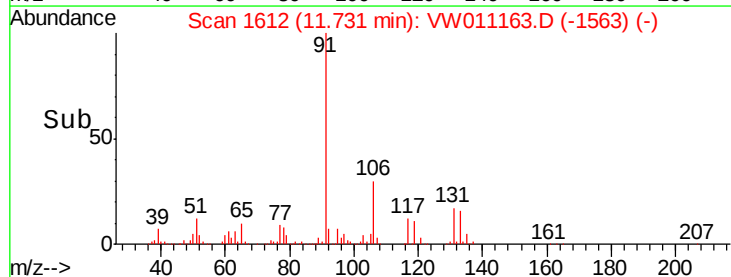
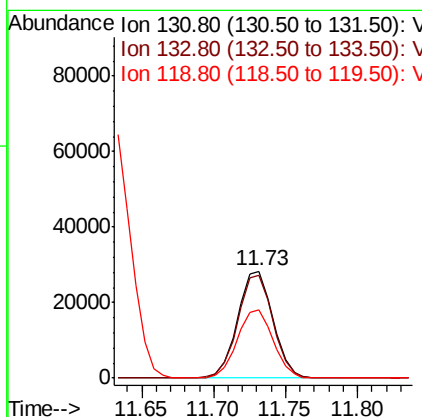
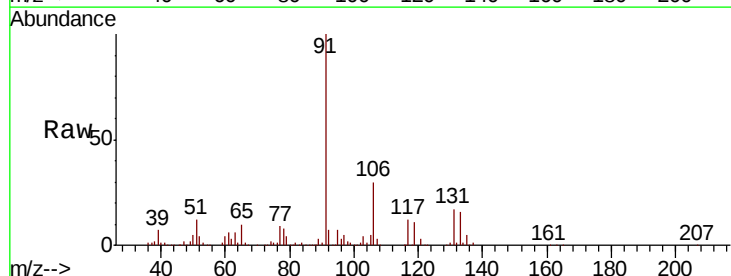
Instrument :
MSVOA_W
ClientSampleId :

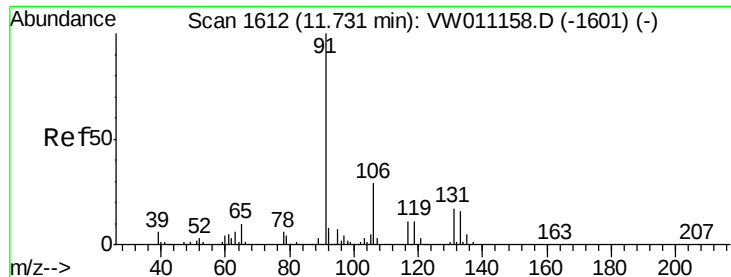
Tot Ion:112 Resp: 138850
Ion Ratio Lower Upper
112 100
114 31.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.423 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion:131 Resp: 47986
Ion Ratio Lower Upper
131 100
133 96.3 47.9 143.8
119 65.3 33.1 99.2

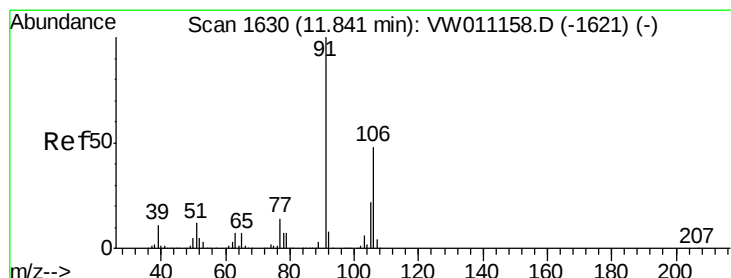
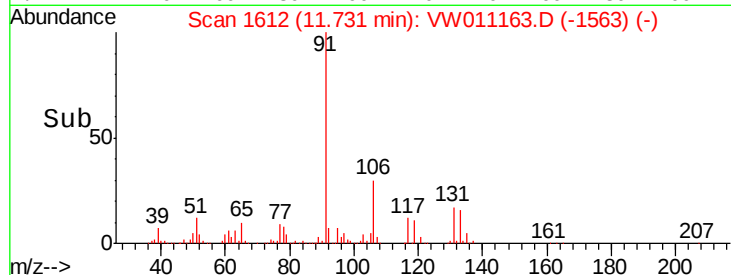
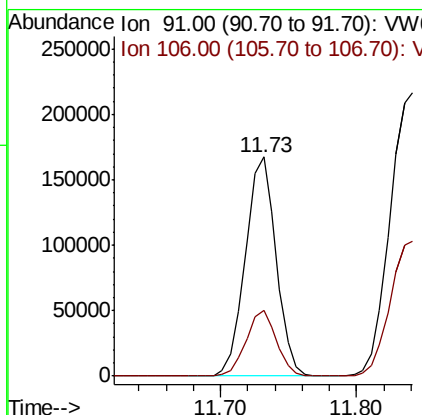
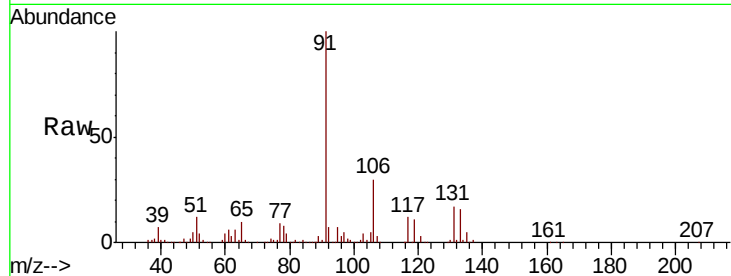




#67
Ethyl Benzene
Concen: 19.748 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

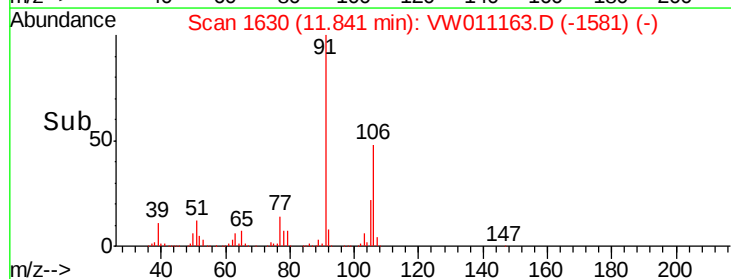
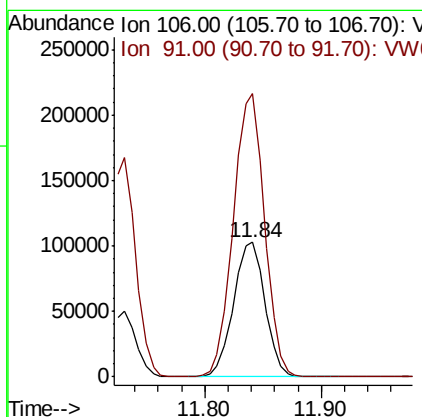
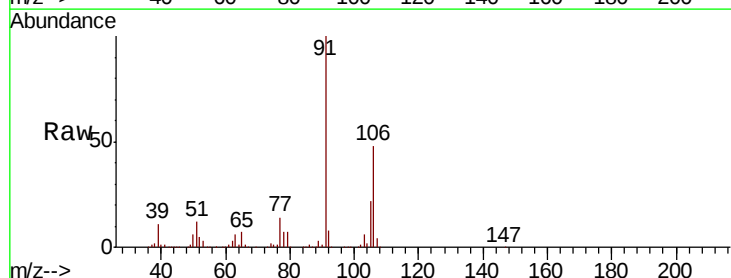
Instrument :
MSVOA_W
ClientSampled :

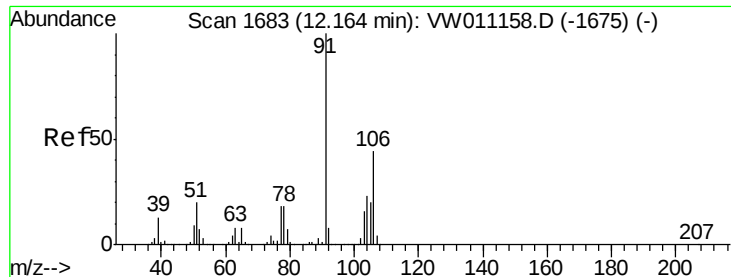
Tot Ion: 91 Resp: 265269
Ion Ratio Lower Upper
91 100
106 30.3 23.5 35.3



#68
m/p-Xylenes
Concen: 39.869 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion: 106 Resp: 193782
Ion Ratio Lower Upper
106 100
91 208.6 167.7 251.5

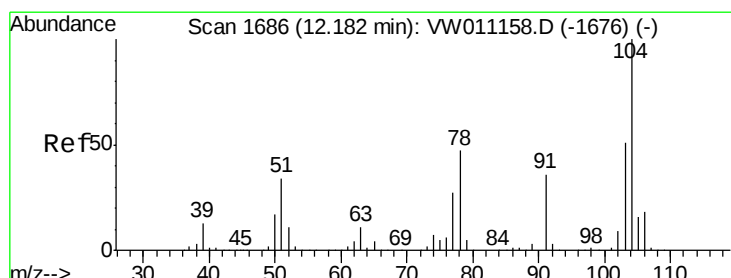
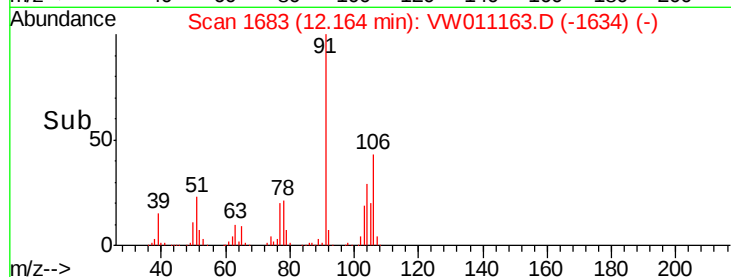
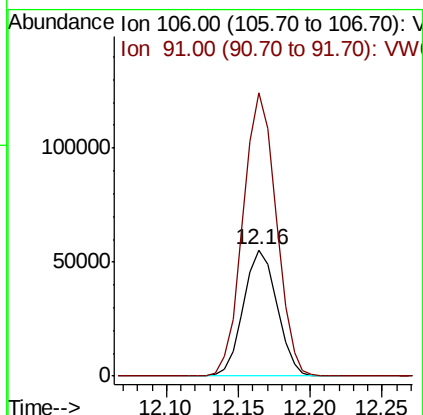
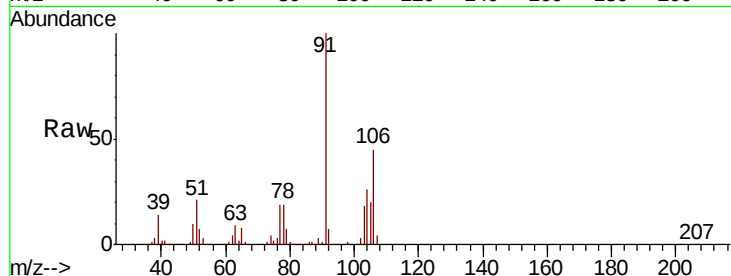




#69
o-Xylene
Concen: 19.553 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

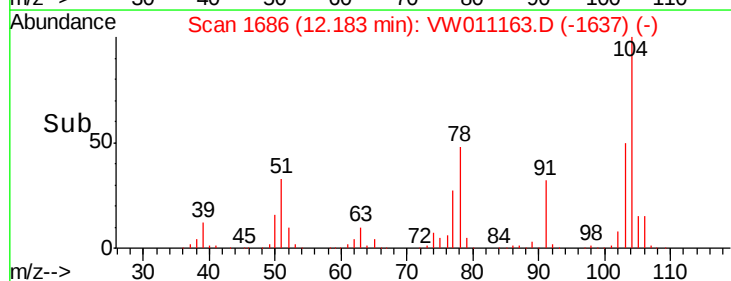
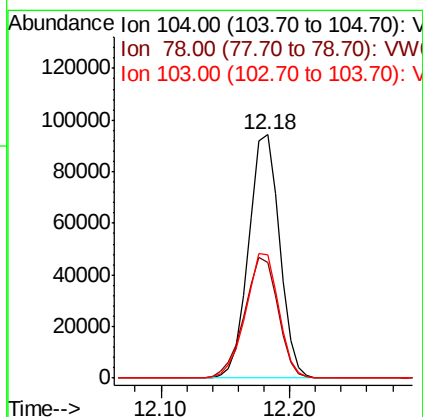
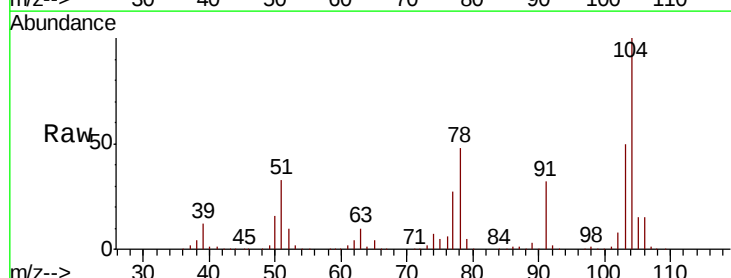
Instrument :
MSVOA_W
ClientSampled :

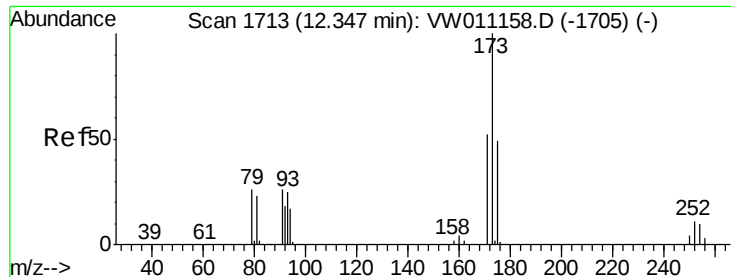
Tot Ion:106 Resp: 89574
Ion Ratio Lower Upper
106 100
91 222.4 110.7 332.1



#70
Styrene
Concen: 19.775 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion:104 Resp: 156342
Ion Ratio Lower Upper
104 100
78 54.0 43.1 64.7
103 54.5 44.1 66.1

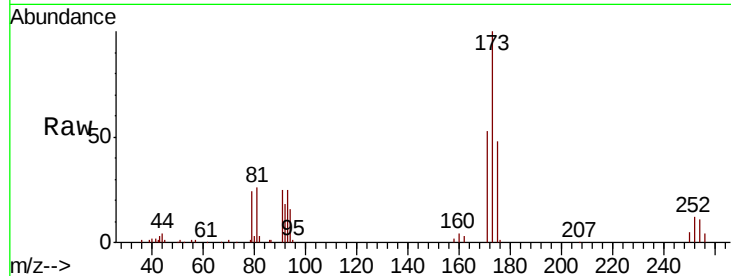




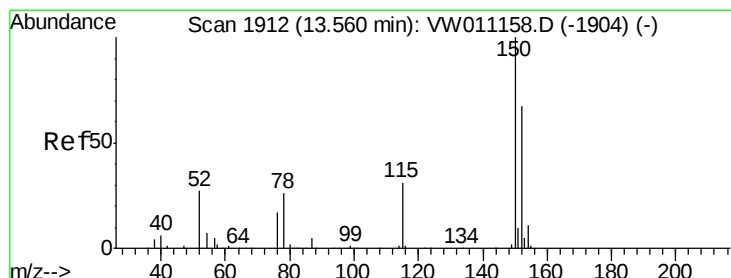
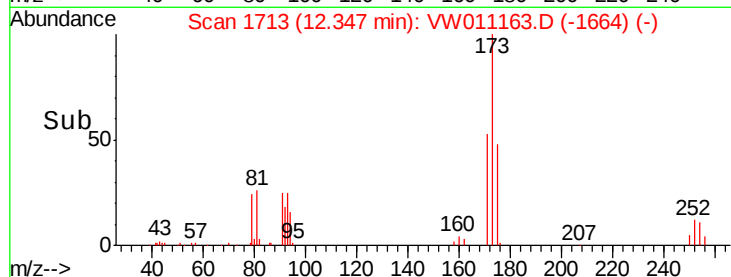
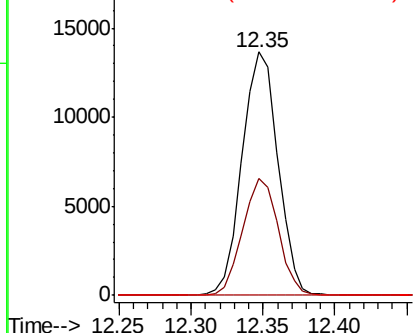
#71
Bromoform
Concen: 17.914 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 23532
Ion Ratio Lower Upper
173 100
175 47.8 24.8 74.3
254 0.0 0.0 0.0

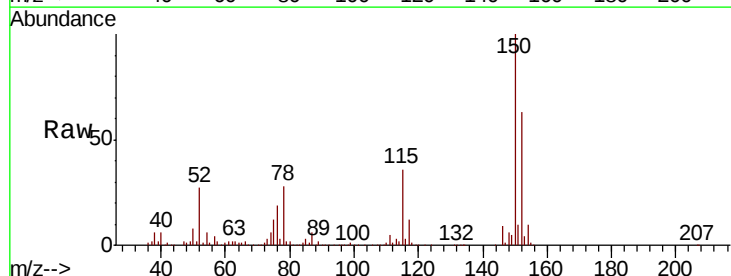


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

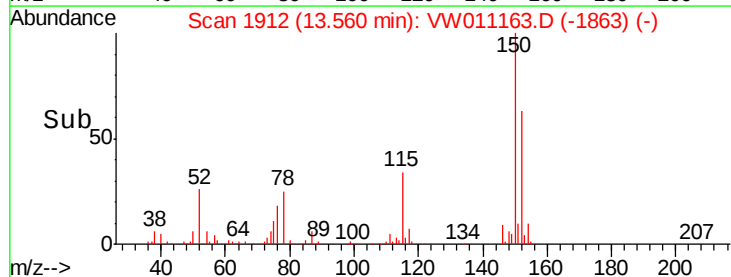
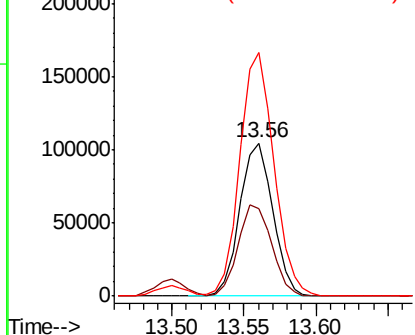


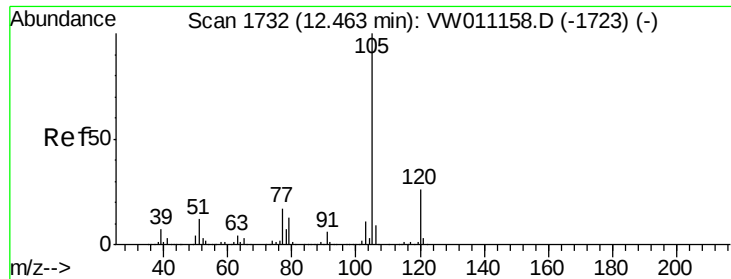
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion:152 Resp: 166733
Ion Ratio Lower Upper
152 100
115 60.3 30.1 90.3
150 164.3 0.0 346.0



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





#73

Isopropylbenzene

Concen: 19.854 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

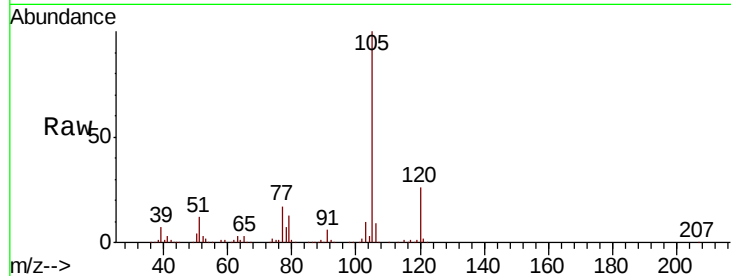
ClientSampleId :

Tot Ion:105 Resp: 247464

Ion Ratio Lower Upper

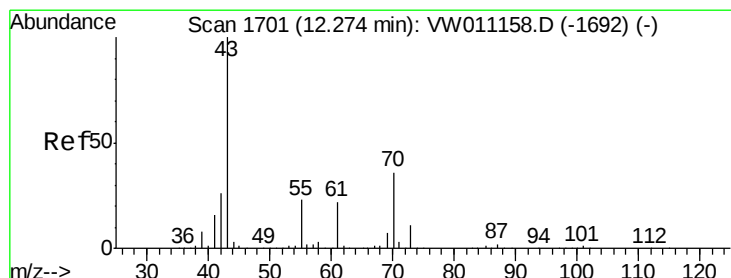
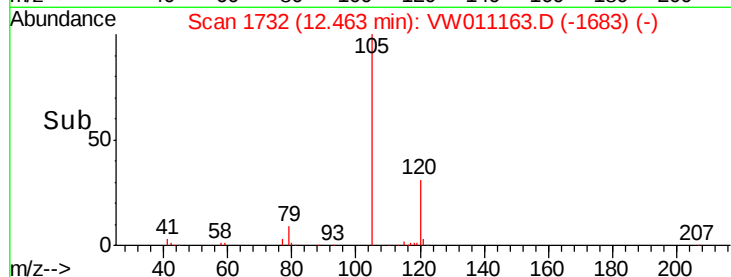
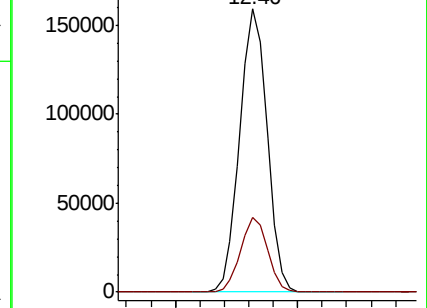
105 100

120 26.0 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.547 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Tgt Ion: 43 Resp: 80510

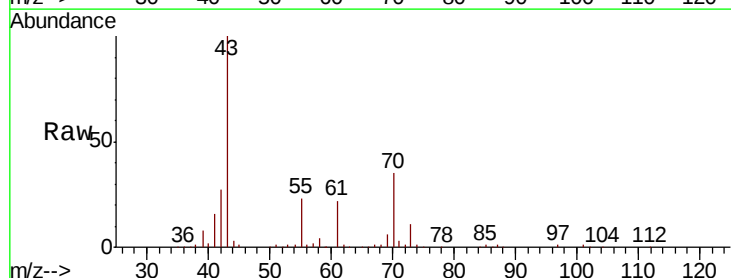
Ion Ratio Lower Upper

43 100

70 35.2 28.5 42.7

55 22.9 18.1 27.1

61 21.0 17.2 25.8

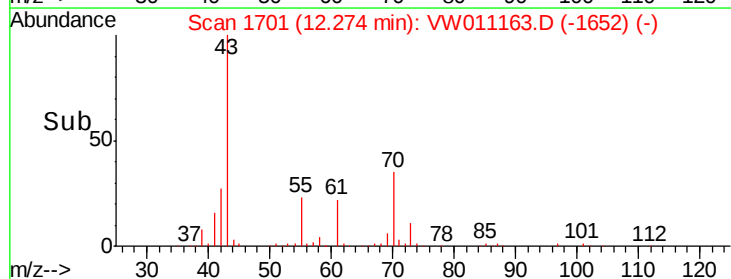
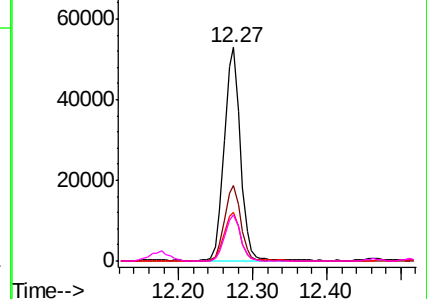


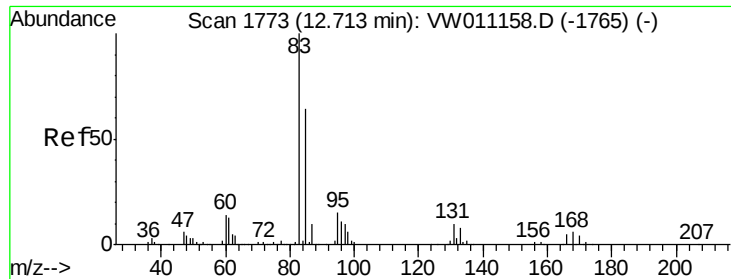
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 18.865 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

ClientSampleId :

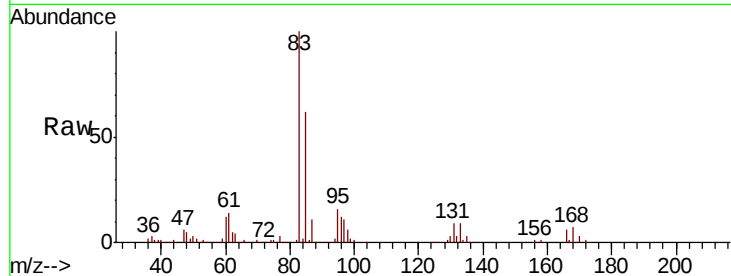
Tot Ion: 83 Resp: 48199

Ion Ratio Lower Upper

83 100

131 9.6 5.0 15.0

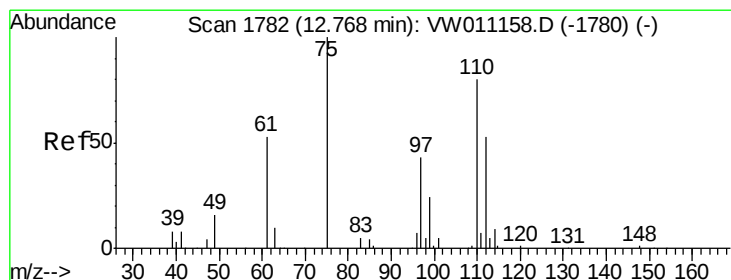
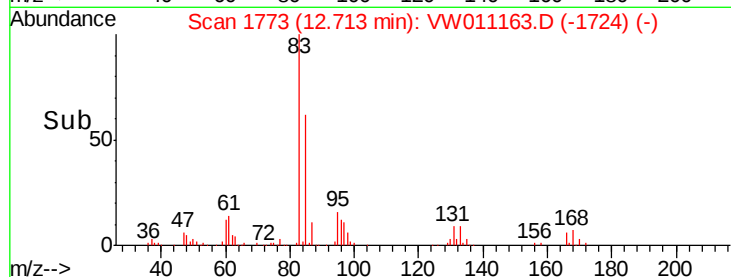
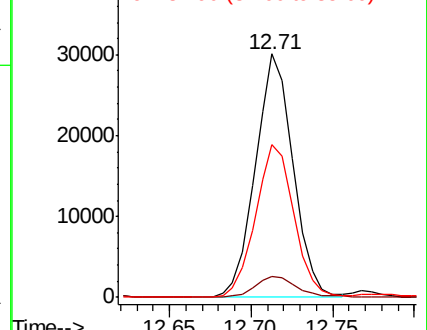
85 64.2 31.6 94.8



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: 33.329 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011163.D

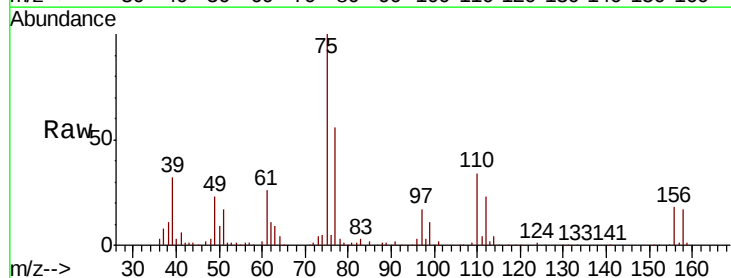
Acq: 08 Jul 2019 16:19

Tgt Ion: 75 Resp: 64218

Ion Ratio Lower Upper

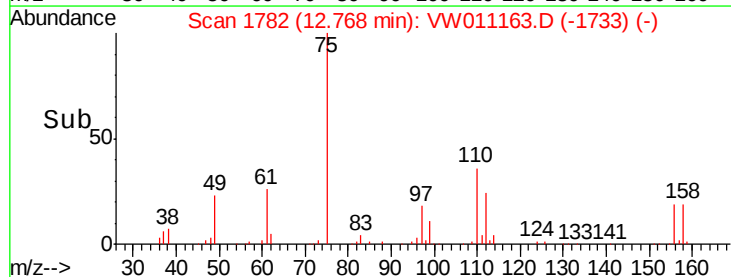
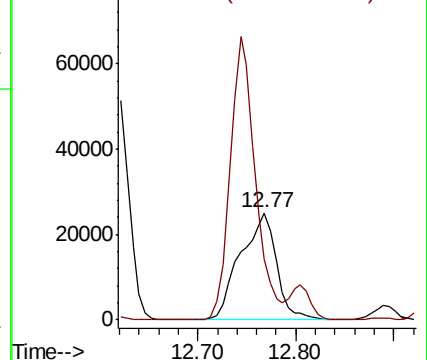
75 100

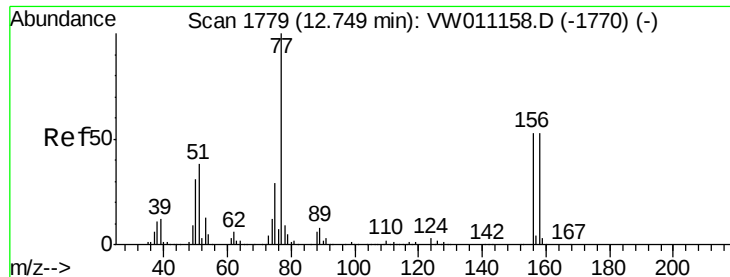
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

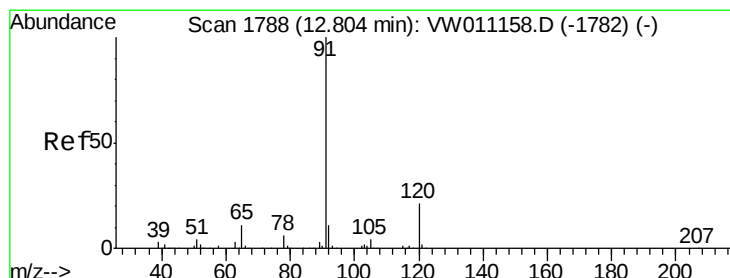
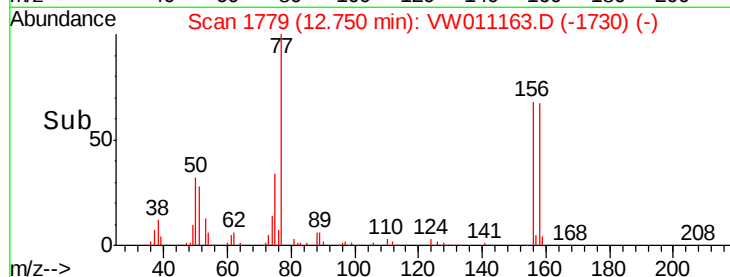
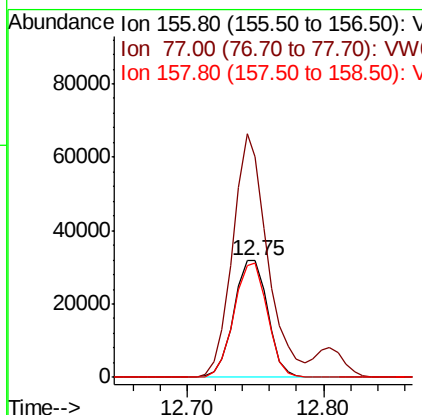
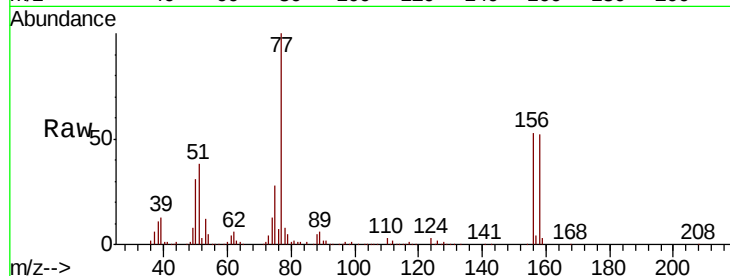




#77
Bromobenzene
Concen: 19.798 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

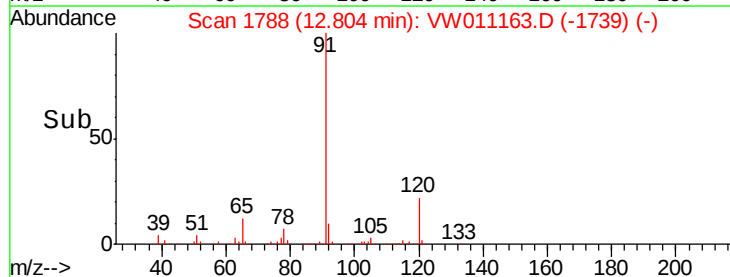
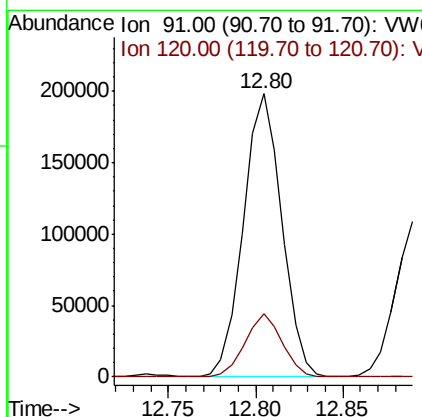
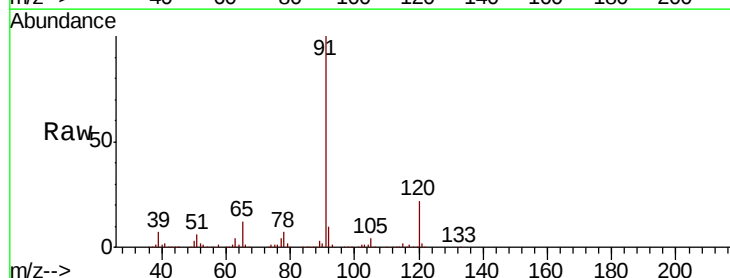
Instrument :
MSVOA_W
ClientSampled :

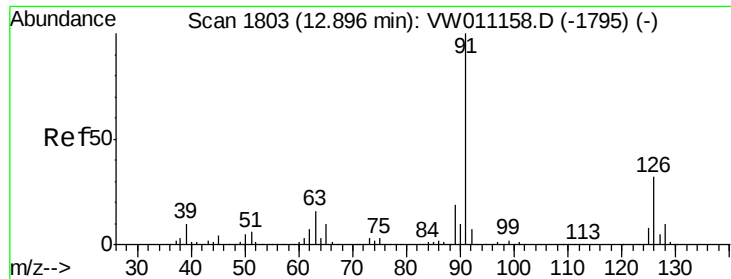
Tot Ion:156 Resp: 55378
Ion Ratio Lower Upper
156 100
77 213.7 109.0 327.0
158 96.1 48.8 146.3



#78
n-propylbenzene
Concen: 19.678 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion: 91 Resp: 302138
Ion Ratio Lower Upper
91 100
120 21.5 10.8 32.3

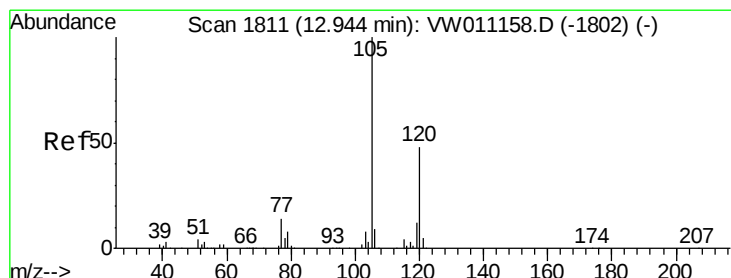
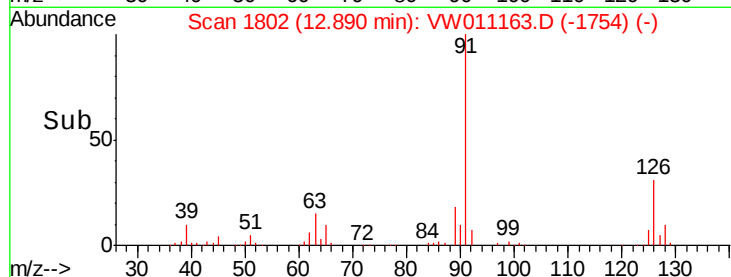
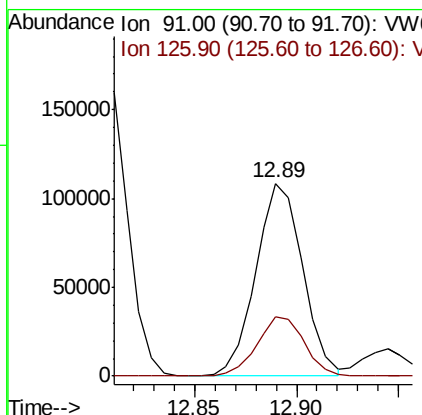
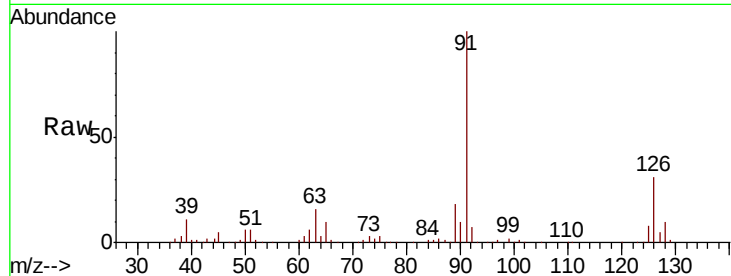




#79
 2-Chlorotoluene
 Concen: 19.650 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

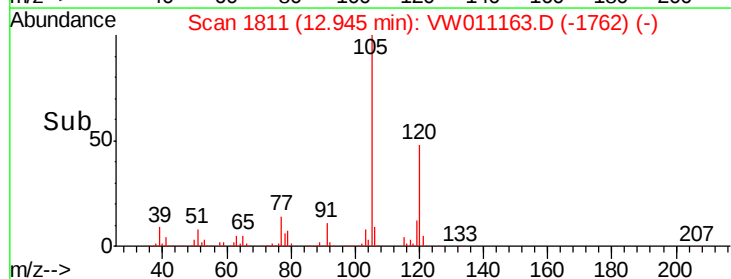
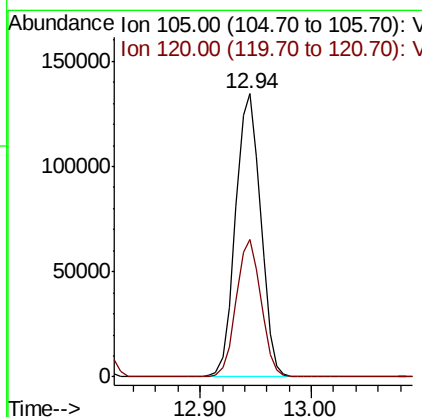
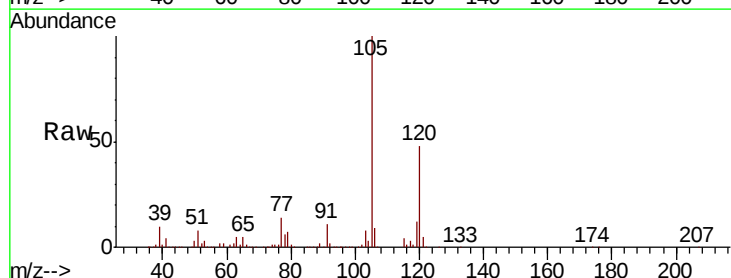
Instrument :
 MSVOA_W
 ClientSampleId :

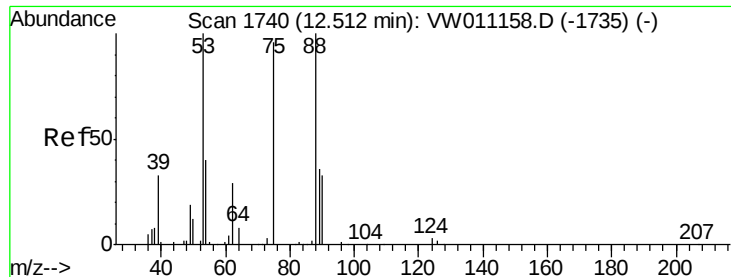
Tot Ion: 91 Resp: 173618
 Ion Ratio Lower Upper
 91 100
 126 31.0 15.8 47.3



#80
 1,3,5-Trimethylbenzene
 Concen: 19.853 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Tgt Ion:105 Resp: 210220
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.809 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

ClientSampleId :

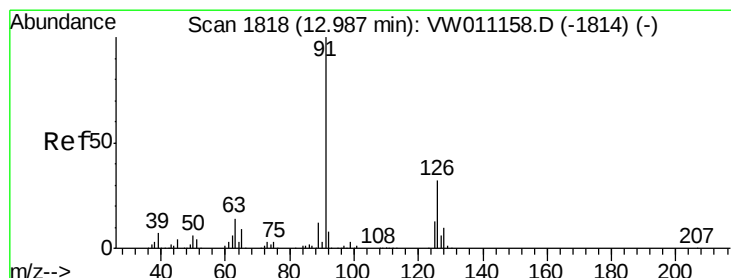
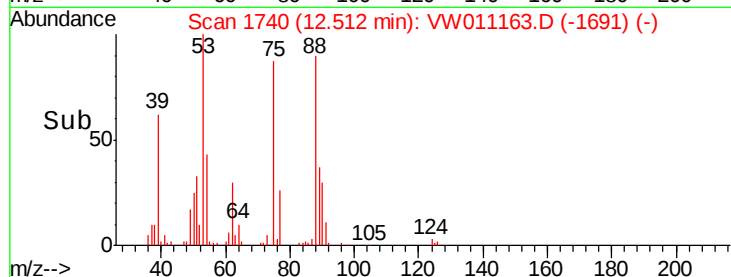
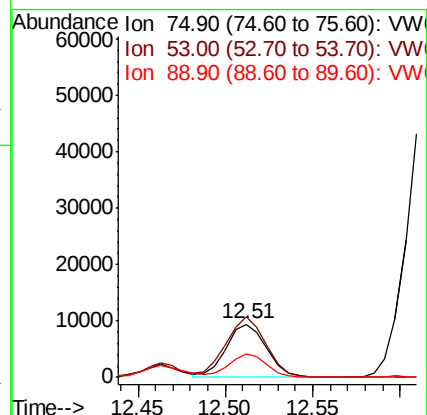
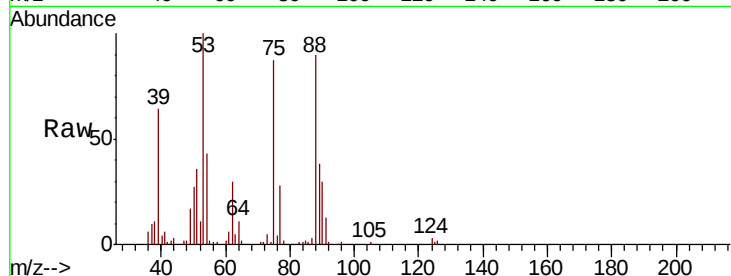
Tot Ion: 75 Resp: 15171

Ion Ratio Lower Upper

75 100

53 113.3 89.8 134.6

89 40.5 34.3 51.5



#82

4-Chlorotoluene

Concen: 19.722 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011163.D

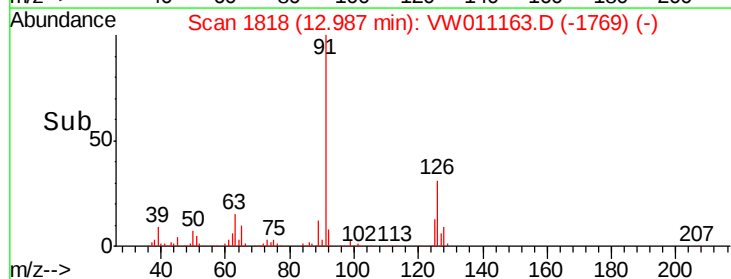
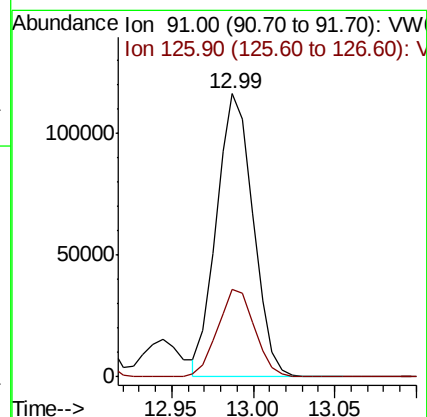
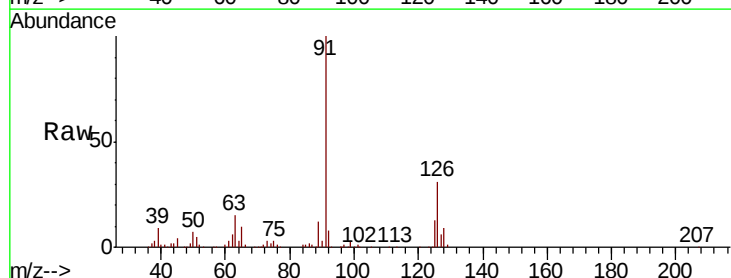
Acq: 08 Jul 2019 16:19

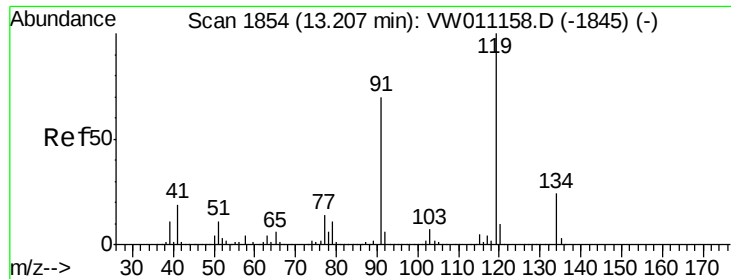
Tgt Ion: 91 Resp: 181495

Ion Ratio Lower Upper

91 100

126 31.7 15.7 47.1

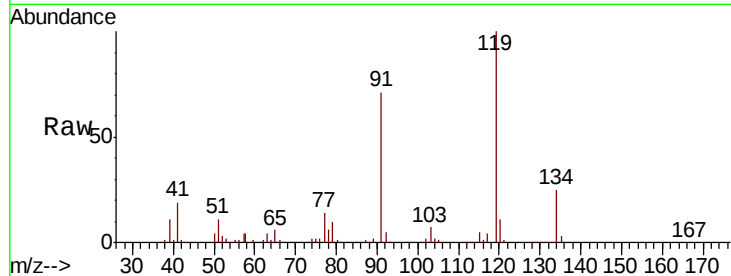




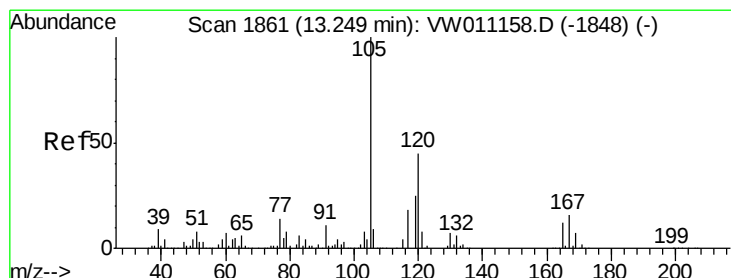
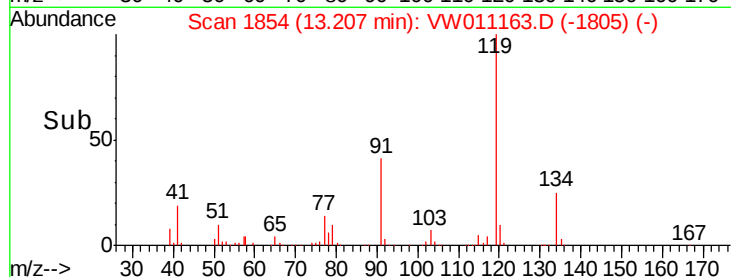
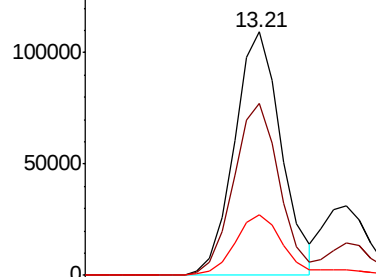
#83
tert-Butylbenzene
Concen: 19.854 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:119 Resp: 175332
Ion Ratio Lower Upper
119 100
91 69.0 35.4 106.3
134 26.9 13.4 40.2

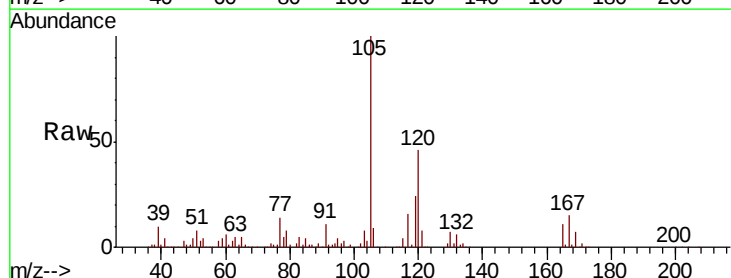


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

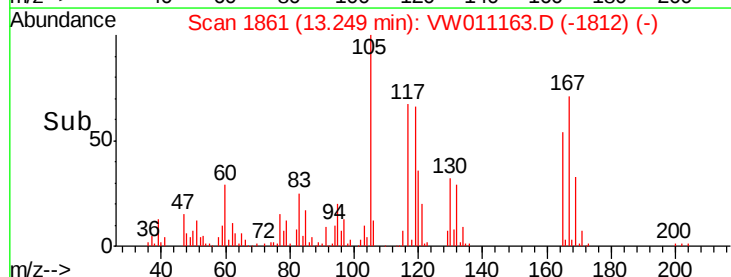
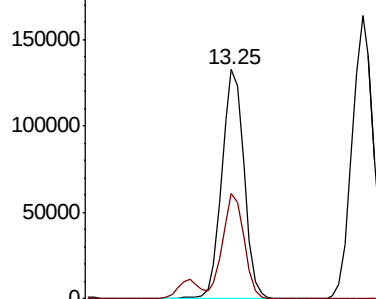


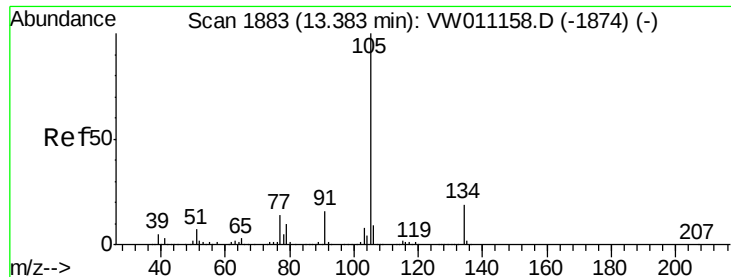
#84
1,2,4-Trimethylbenzene
Concen: 19.701 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion:105 Resp: 209464
Ion Ratio Lower Upper
105 100
120 44.0 22.3 66.9



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





#85

sec-Butylbenzene

Concen: 19.503 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

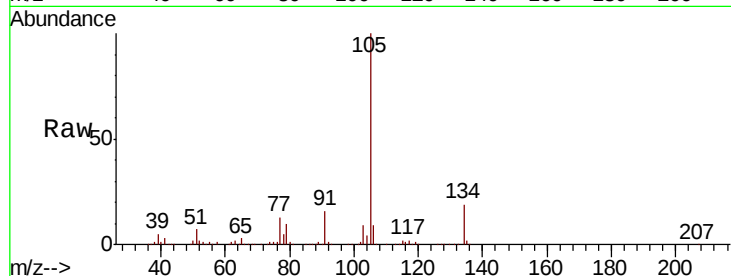
ClientSampleId :

Tot Ion:105 Resp: 248517

Ion Ratio Lower Upper

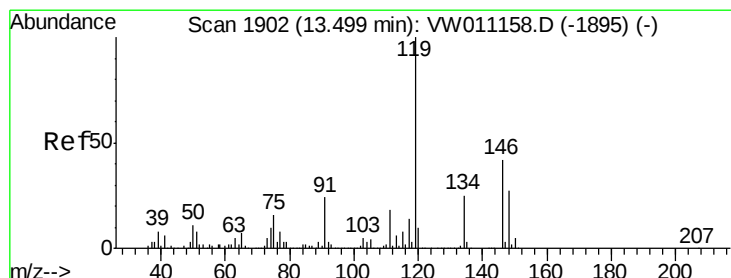
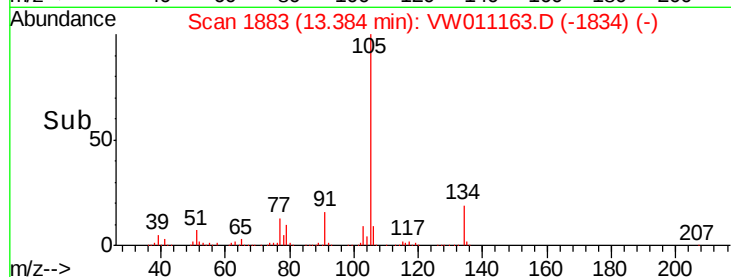
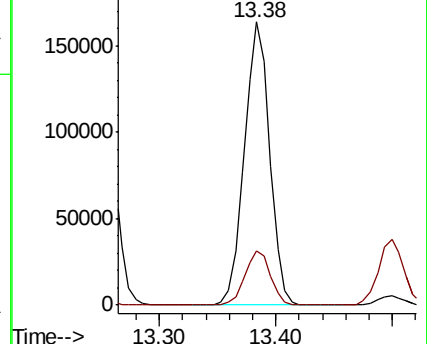
105 100

134 19.4 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.440 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

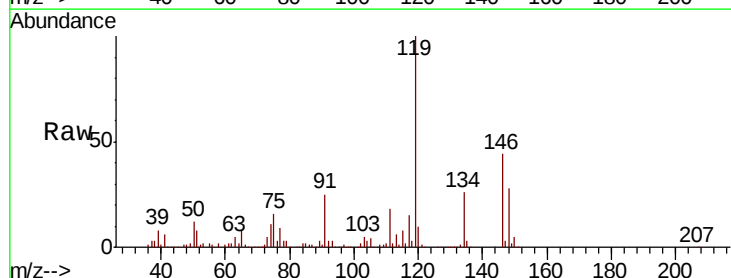
Tgt Ion:119 Resp: 222180

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

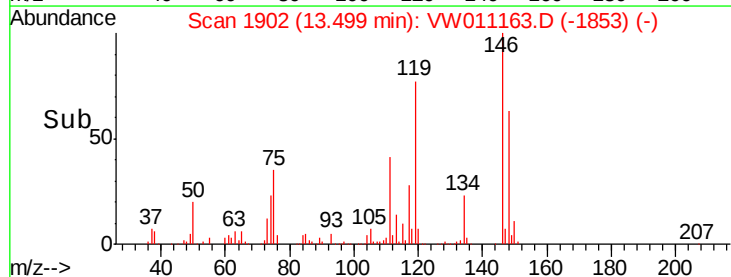
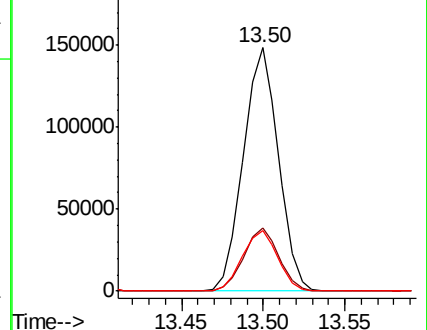
91 25.2 12.3 36.8

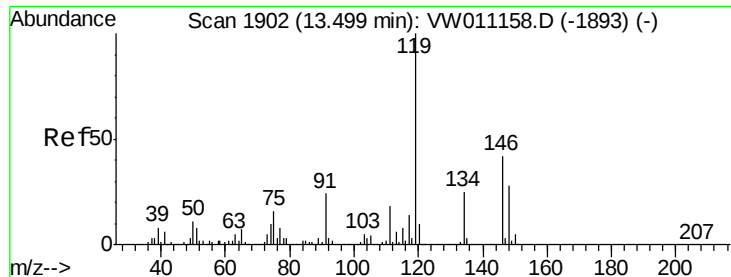


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

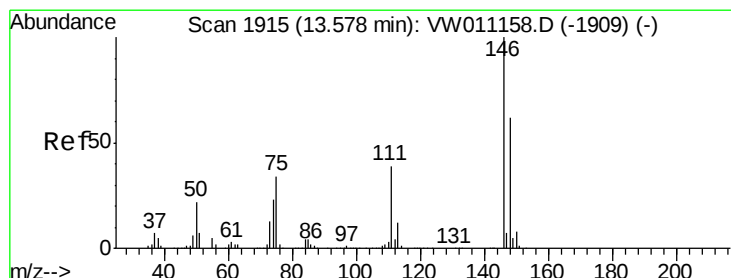
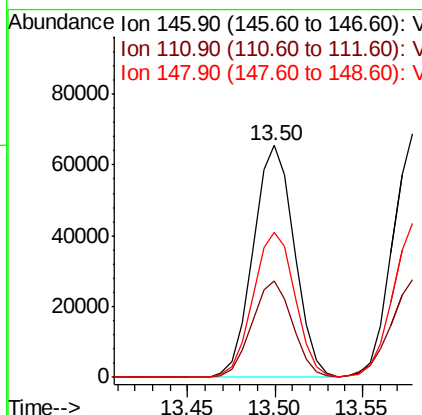
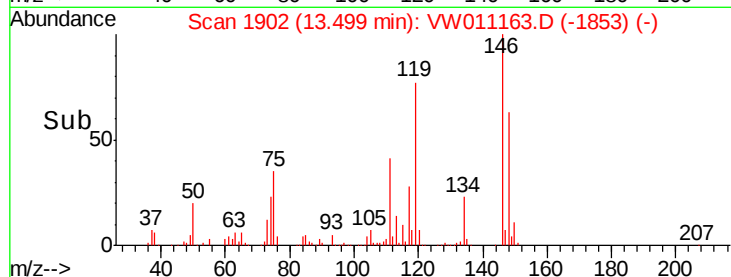
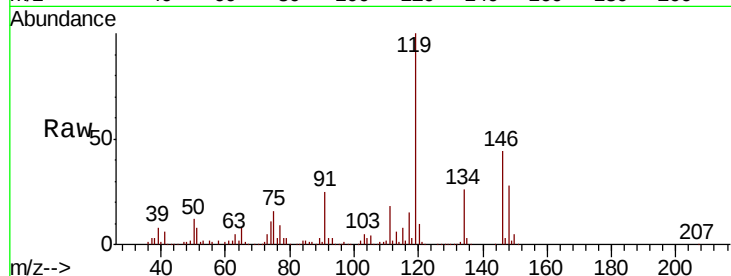




#87
 1,3-Dichlorobenzene
 Concen: 19.872 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

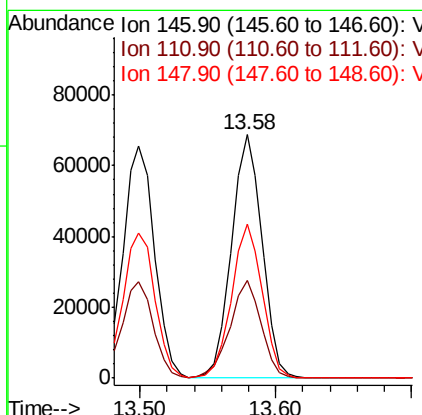
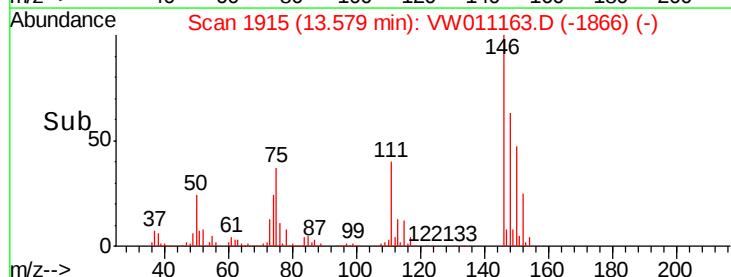
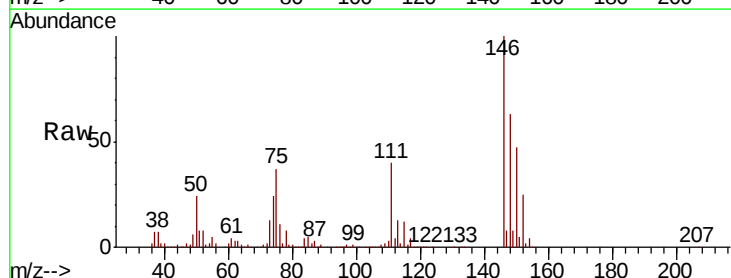
Instrument :
 MSVOA_W
 ClientSampled :

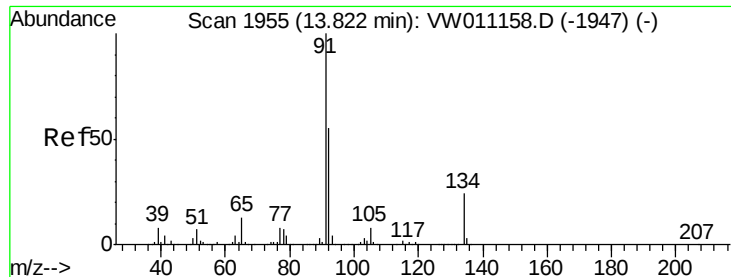
Tot Ion:146 Resp: 106946
 Ion Ratio Lower Upper
 146 100
 111 41.2 21.1 63.1
 148 63.6 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 19.810 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Tgt Ion:146 Resp: 107353
 Ion Ratio Lower Upper
 146 100
 111 41.3 19.9 59.7
 148 63.5 31.5 94.5





#89

n-Butylbenzene

Concen: 19.422 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

ClientSampleId :

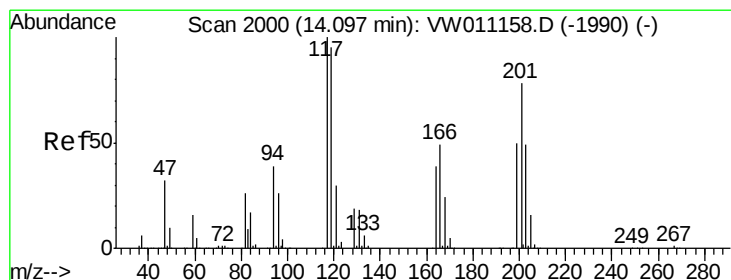
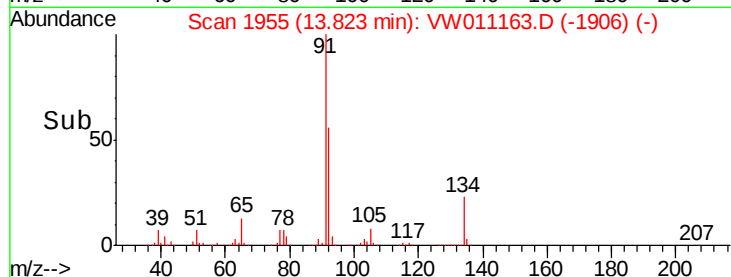
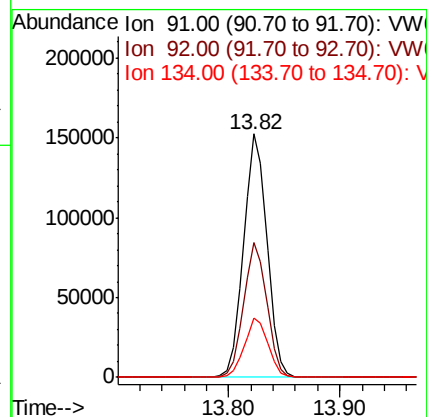
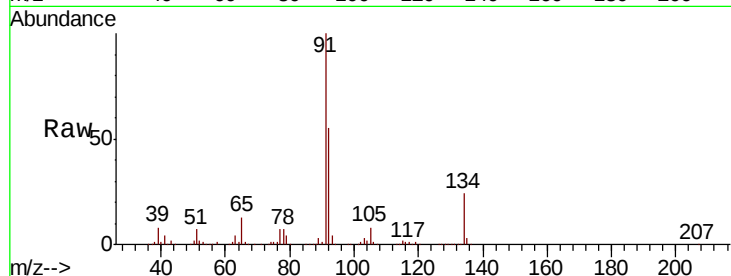
Tot Ion: 91 Resp: 221432

Ion Ratio Lower Upper

91 100

92 54.8 26.9 80.7

134 24.5 12.2 36.4



#90

Hexachloroethane

Concen: 18.235 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW011163.D

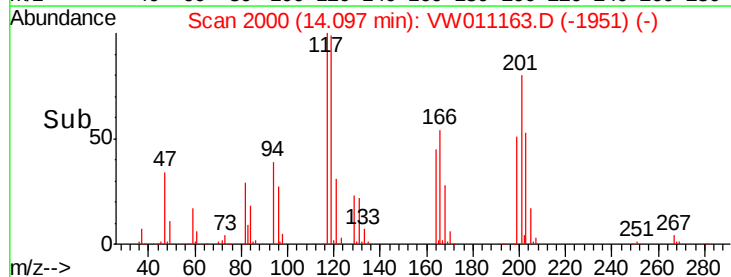
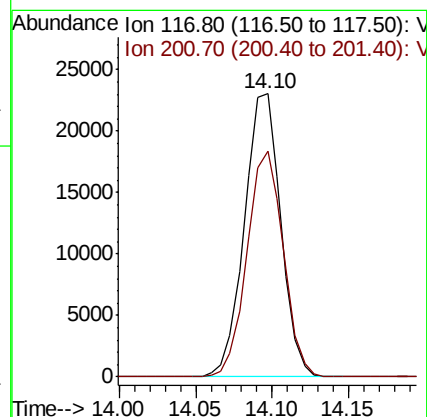
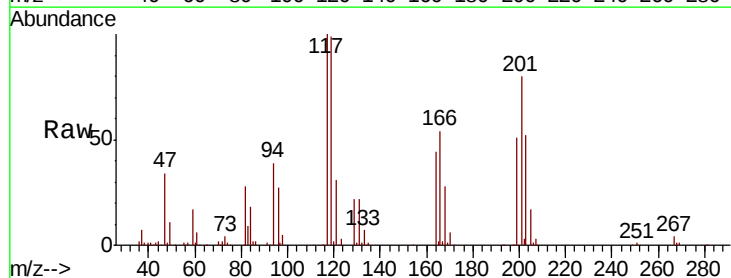
Acq: 08 Jul 2019 16:19

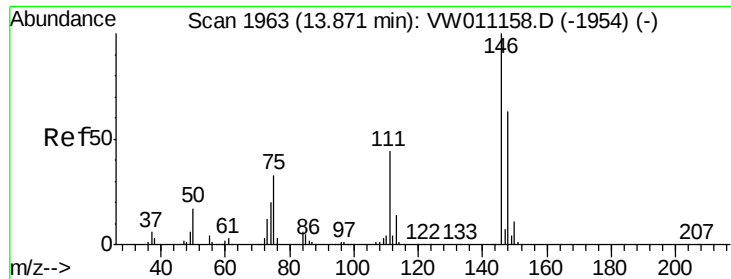
Tgt Ion: 117 Resp: 38084

Ion Ratio Lower Upper

117 100

201 79.6 38.3 114.8





#91

1,2-Dichlorobenzene

Concen: 19.454 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

ClientSampleId :

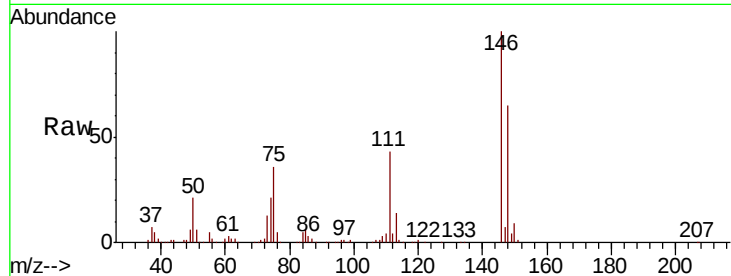
Tot Ion:146 Resp: 94980

Ion Ratio Lower Upper

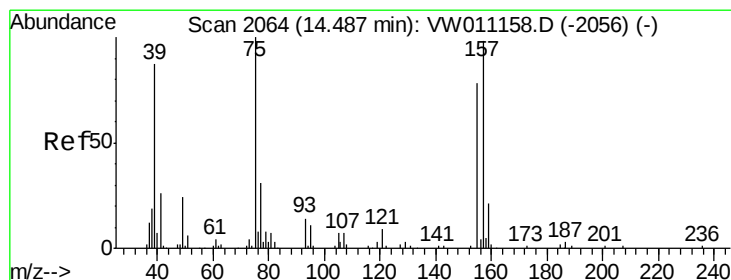
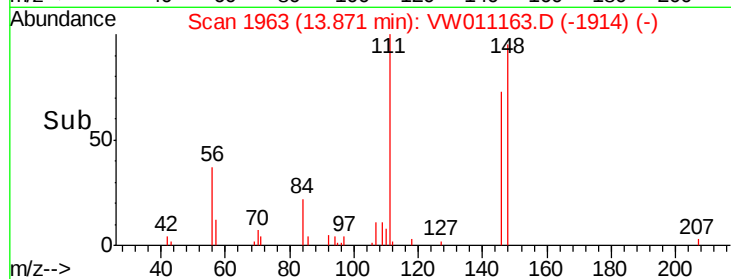
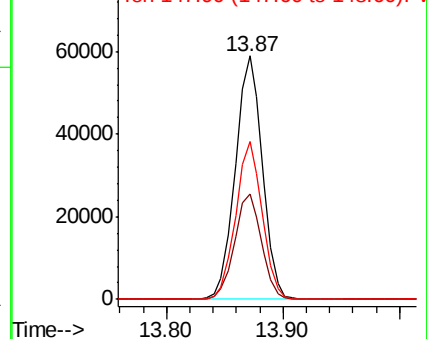
146 100

111 43.3 21.6 65.0

148 63.8 31.9 95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.423 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

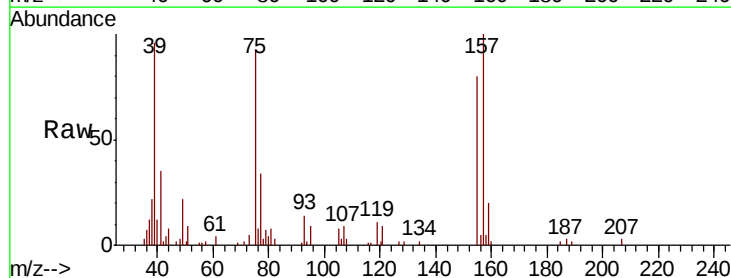
Tgt Ion: 75 Resp: 7896

Ion Ratio Lower Upper

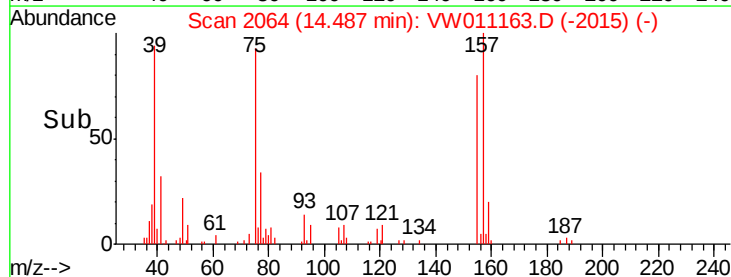
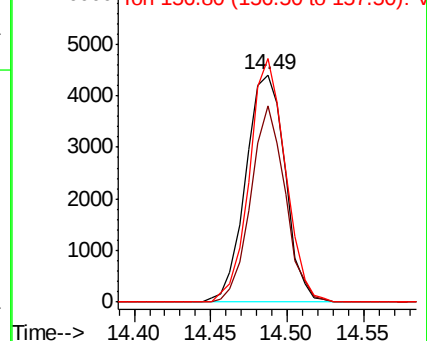
75 100

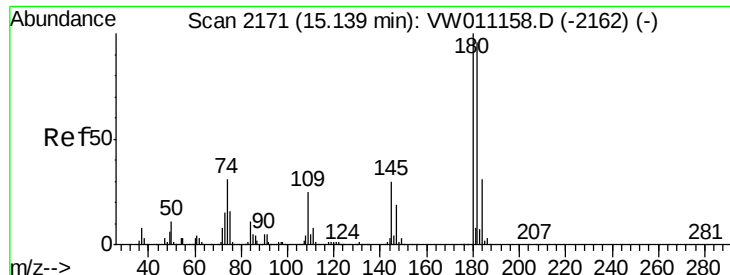
155 75.6 37.1 111.3

157 97.9 48.5 145.6



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

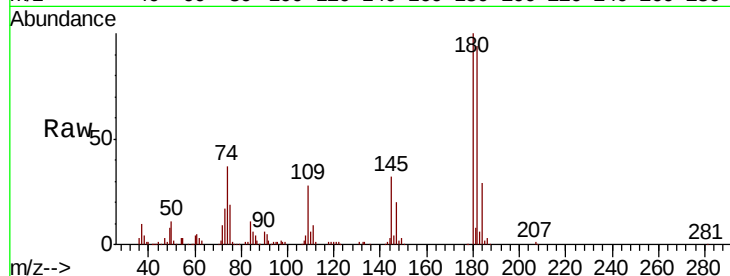




#93
 1,2,4-Trichlorobenzene
 Concen: 18.940 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.3	144.9
145	31.0	15.5	46.5

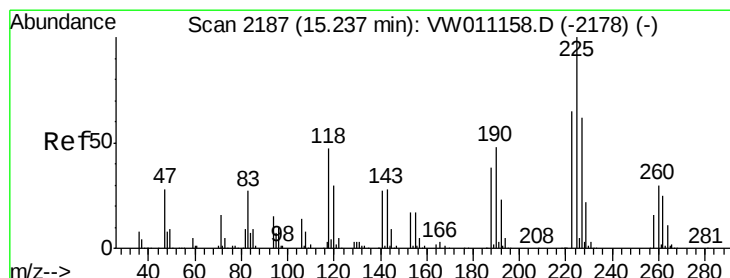
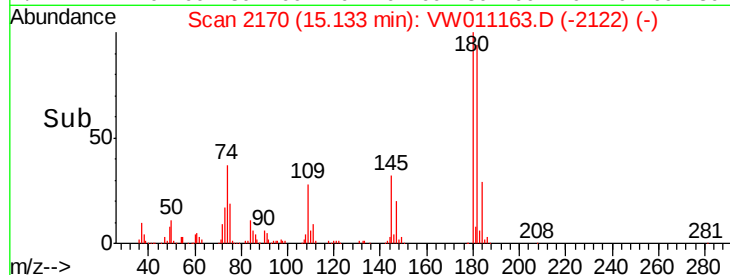
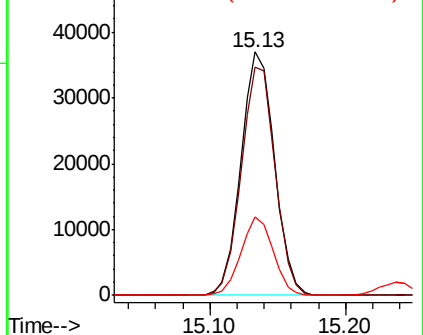


Abundance

Ion 179.80 (179.50 to 180.50): V

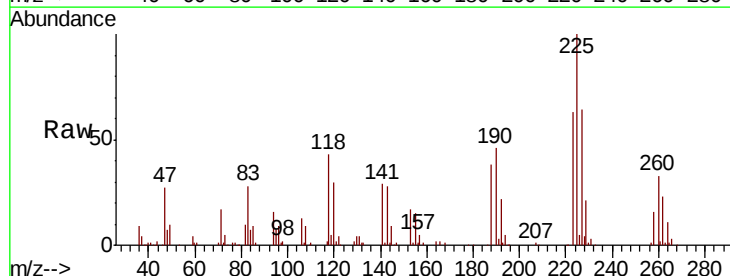
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.903 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.6	95.0
227	63.9	32.0	96.0

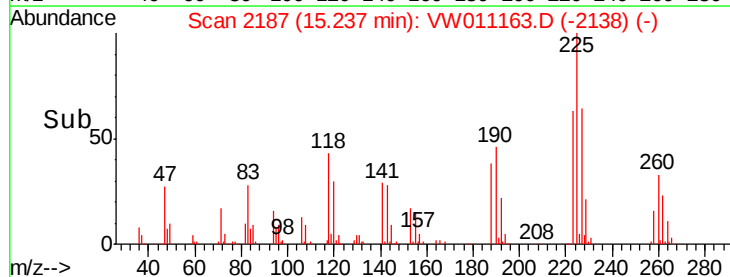
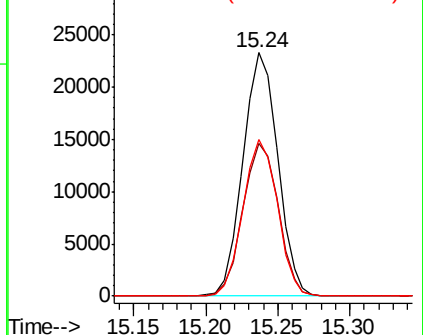


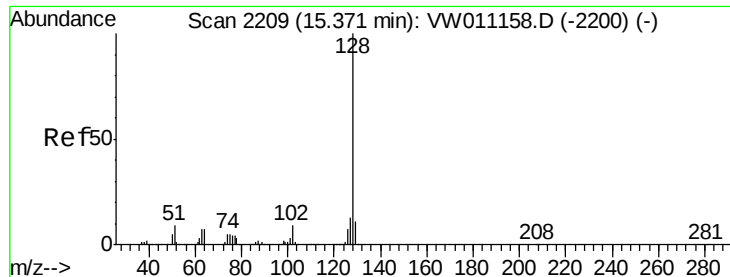
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

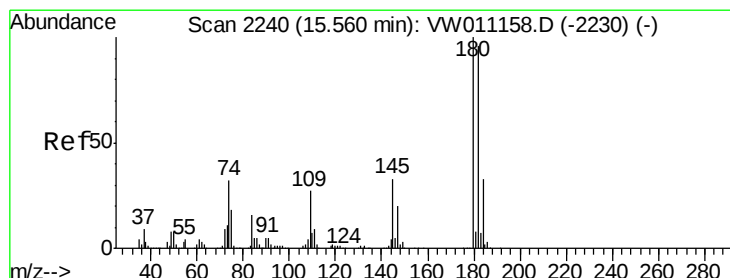
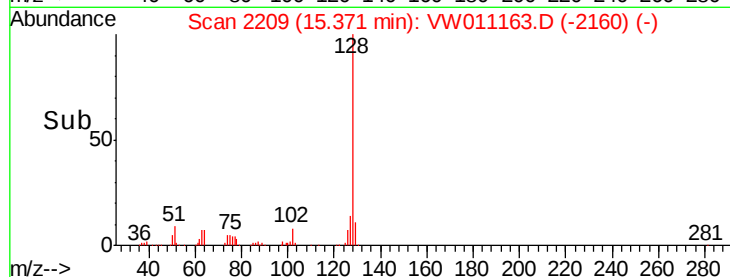
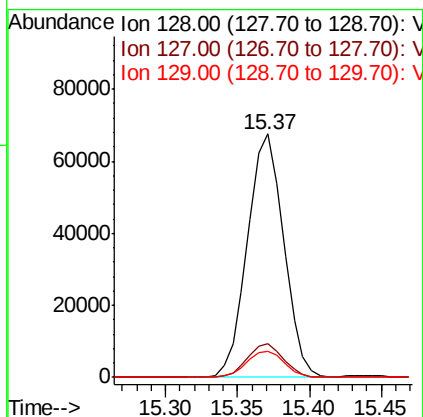
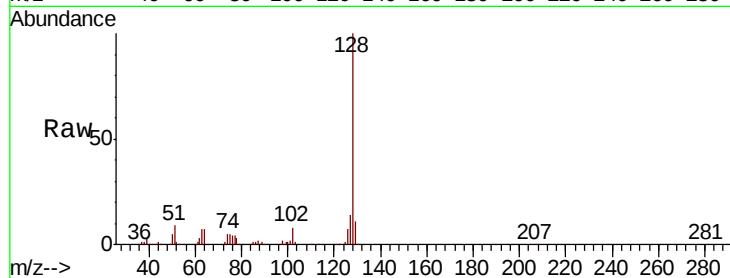




#95
Naphthalene
Concen: 18.331 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 118127
Ion Ratio Lower Upper
128 100
127 13.9 10.6 16.0
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.329 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion:180 Resp: 57367
Ion Ratio Lower Upper
180 100
182 93.5 47.6 142.8
145 32.2 16.5 49.5

