

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071219\
 Data File : VW011222.D
 Acq On : 11 Jul 2019 12:02
 Operator : SY/VA
 Sample : VW0712SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBSD01

Quant Time: Jul 12 08:30:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	221747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	360854	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	321344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159610	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	127654	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	
35) Dibromofluoromethane	7.88	113	100688	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	
50) Toluene-d8	10.32	98	411256	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	
62) 4-Bromofluorobenzene	12.62	95	150406	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	33612	20.324	ug/l	99
3) Chloromethane	2.21	50	43421	20.376	ug/l	96
4) Vinyl Chloride	2.36	62	55656	19.954	ug/l	97
5) Bromomethane	2.77	94	27614	19.702	ug/l	91
6) Chloroethane	2.92	64	29230	19.456	ug/l	99
7) Trichlorofluoromethane	3.24	101	17076	17.233	ug/l	97
8) Diethyl Ether	3.67	74	26333	19.207	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	46374	19.539	ug/l	99
10) Methyl Iodide	4.27	142	62669	19.198	ug/l	99
11) Tert butyl alcohol	5.17	59	19430	94.187	ug/l	100
12) 1,1-Dichloroethene	4.03	96	47348	19.221	ug/l	95
13) Acrolein	3.89	56	12133	73.861	ug/l	100
14) Allyl chloride	4.66	41	84296	18.765	ug/l	99
15) Acrylonitrile	5.36	53	66845	95.734	ug/l	99
16) Acetone	4.12	43	68797	102.617	ug/l	99
17) Carbon Disulfide	4.38	76	132443	17.734	ug/l	98
18) Methyl Acetate	4.67	43	44778	22.716	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	72868	19.495	ug/l	100
20) Methylene Chloride	4.91	84	54241	20.509	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	49682	19.409	ug/l	95
22) Diisopropyl ether	6.31	45	192151	19.888	ug/l	99
23) Vinyl Acetate	6.25	43	556299	93.037	ug/l	100
24) 1,1-Dichloroethane	6.21	63	98035	19.323	ug/l	99
25) 2-Butanone	7.17	43	100569	95.563	ug/l	100
26) 2,2-Dichloropropane	7.16	77	49434	18.745	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	53256	19.287	ug/l	100
28) Bromochloromethane	7.51	49	43437	18.829	ug/l	100
29) Tetrahydrofuran	7.52	42	66179	95.903	ug/l	99
30) Chloroform	7.67	83	91139	19.397	ug/l	98
31) Cyclohexane	7.95	56	103355	19.149	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	68574	19.186	ug/l	99
36) 1,1-Dichloropropene	8.08	75	74567	19.405	ug/l	99
37) Ethyl Acetate	7.25	43	45348	19.641	ug/l	99
38) Carbon Tetrachloride	8.06	117	61856	18.988	ug/l	99

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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	9.34	83	91231	19.588	ug/l	98
40) Benzene	8.32	78	207711	19.559	ug/l	98
41) Methacrylonitrile	7.48	41	26419	20.007	ug/l	95
42) 1,2-Dichloroethane	8.40	62	67535	19.604	ug/l	100
43) Isopropyl Acetate	8.42	43	83216	19.090	ug/l	99
44) Trichloroethene	9.09	130	49782	19.480	ug/l	95
45) 1,2-Dichloropropane	9.37	63	56742	19.731	ug/l	100
46) Dibromomethane	9.46	93	26377	19.525	ug/l	98
47) Bromodichloromethane	9.64	83	65347	18.905	ug/l	99
48) Methyl methacrylate	9.43	41	39824	18.990	ug/l	97
49) 1,4-Dioxane	9.45	88	9313	413.007	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	221819	97.415	ug/l	99
52) Toluene	10.38	92	127626	19.811	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	68089	18.506	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	81409	18.798	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	37627	19.633	ug/l	97
56) Ethyl methacrylate	10.65	69	55820	19.131	ug/l	99
57) 1,3-Dichloropropane	10.93	76	71614	19.761	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	136555	100.950	ug/l	100
59) 2-Hexanone	10.97	43	155747	98.628	ug/l	99
60) Dibromochloromethane	11.13	129	38787	18.456	ug/l	99
61) 1,2-Dibromoethane	11.24	107	35801	19.721	ug/l	98
64) Tetrachloroethene	10.86	164	41969	19.355	ug/l	99
65) Chlorobenzene	11.66	112	127612	19.533	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	44538	19.361	ug/l	98
67) Ethyl Benzene	11.73	91	245990	19.668	ug/l	99
68) m/p-Xylenes	11.84	106	178367	39.413	ug/l	100
69) o-Xylene	12.16	106	83499	19.576	ug/l	100
70) Styrene	12.18	104	144249	19.595	ug/l	99
71) Bromoform	12.35	173	21551	17.620	ug/l #	99
73) Isopropylbenzene	12.46	105	232765	19.509	ug/l	100
74) N-amyl acetate	12.27	43	80087	19.273	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	46808	19.138	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	59920	32.486	ug/l #	100
77) Bromobenzene	12.74	156	51679	19.300	ug/l	99
78) n-propylbenzene	12.80	91	287535	19.563	ug/l	100
79) 2-Chlorotoluene	12.89	91	166101	19.639	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	198088	19.542	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13404	16.437	ug/l	96
82) 4-Chlorotoluene	12.99	91	174157	19.769	ug/l	99
83) tert-Butylbenzene	13.21	119	166950	19.749	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	200170	19.667	ug/l	99
85) sec-Butylbenzene	13.38	105	241868	19.828	ug/l	100
86) p-Isopropyltoluene	13.50	119	215496	19.697	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	103677	20.125	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	101256	19.518	ug/l	97
89) n-Butylbenzene	13.82	91	220798	20.230	ug/l	99
90) Hexachloroethane	14.09	117	36462	18.238	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	91588	19.596	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7778	17.929	ug/l	98

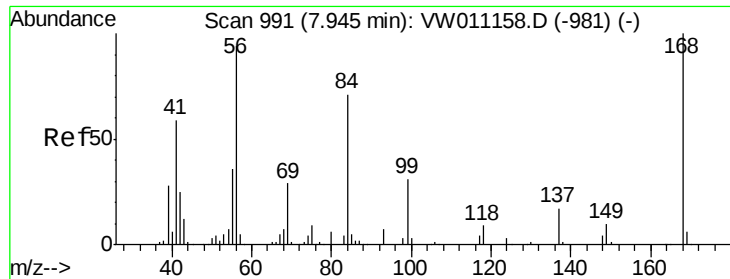
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071219\
Data File : VW011222.D
Acq On : 11 Jul 2019 12:02
Operator : SY/VA
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	66585	20.684	ug/l	98
94) Hexachlorobutadiene	15.24	225	40306	20.394	ug/l	99
95) Naphthalene	15.37	128	122746	19.898	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	58212	20.489	ug/l	99

(#) = 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: VW011222.D

Acq: 11 Jul 2019 12:02

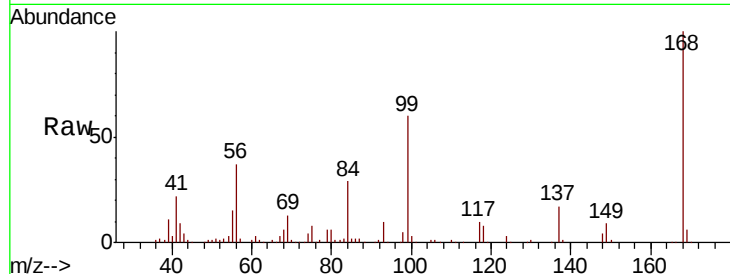
Instrument :
MSVOA_W
ClientSampleId :
VW0712SBSD01

Tot Ion:168 Resp: 221747

Ion Ratio Lower Upper

168 100

99 59.7 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

40000

20000

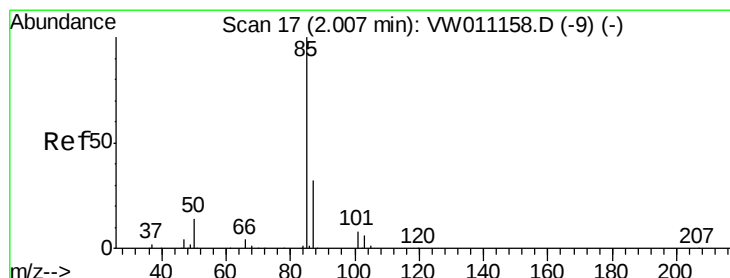
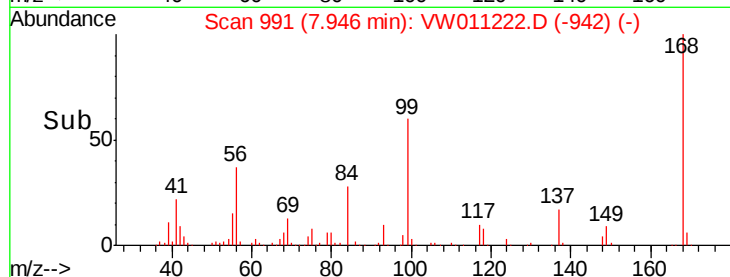
0

7.80

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 20.324 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011222.D

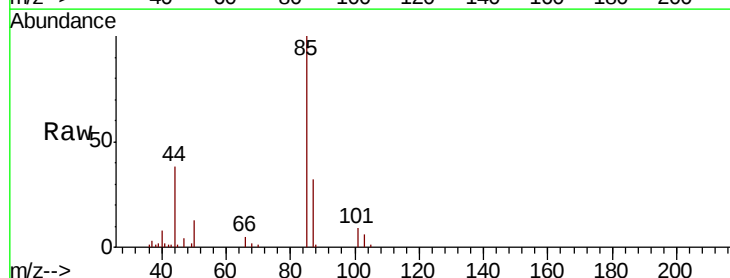
Acq: 11 Jul 2019 12:02

Tgt Ion: 85 Resp: 33612

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

12000

10000

8000

6000

4000

2000

0

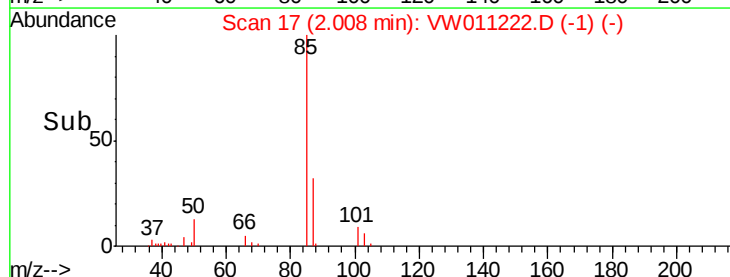
1.90

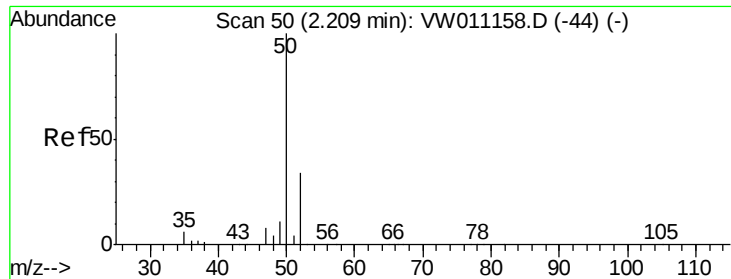
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 20.376 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

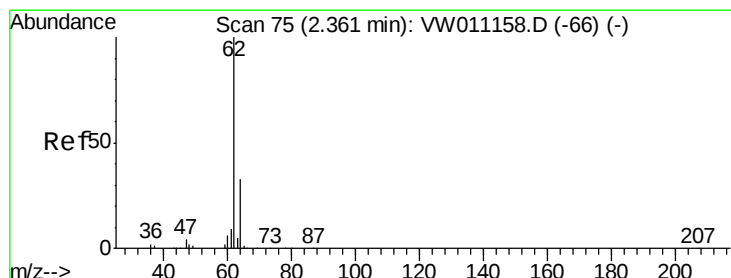
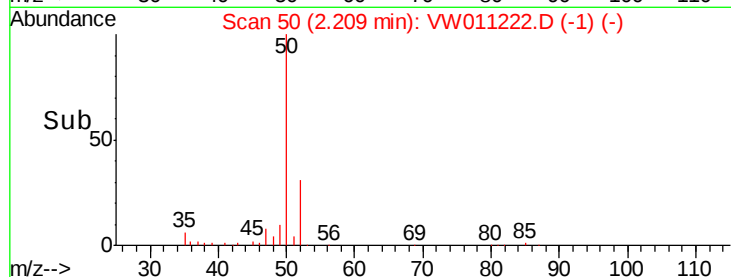
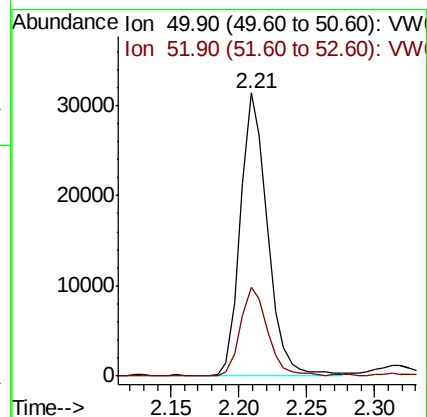
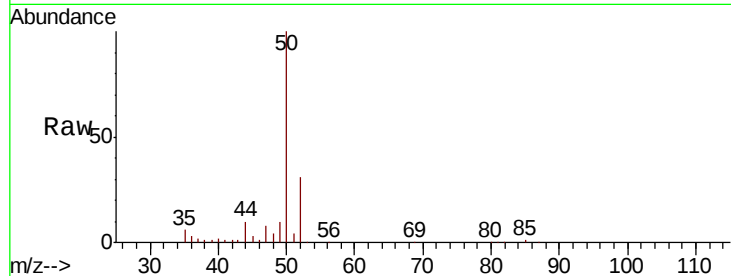
VW0712SBSD01

Tot Ion: 50 Resp: 43421

Ion Ratio Lower Upper

50 100

52 31.3 26.9 40.3



#4

Vinyl Chloride

Concen: 19.954 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011222.D

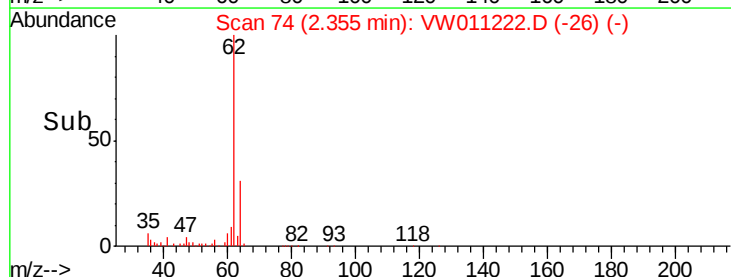
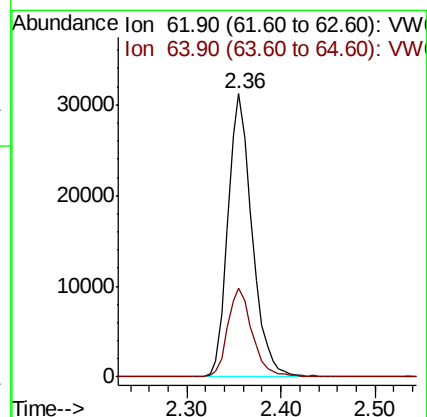
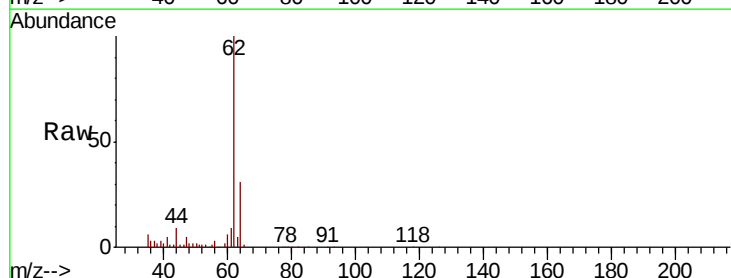
Acq: 11 Jul 2019 12:02

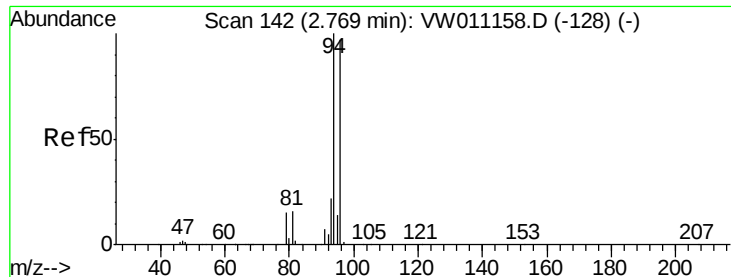
Tgt Ion: 62 Resp: 55656

Ion Ratio Lower Upper

62 100

64 31.4 26.6 40.0





#5

Bromomethane

Concen: 19.702 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

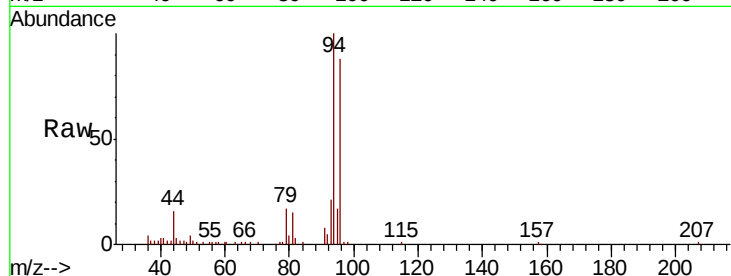
VW0712SBSD01

Tot Ion: 94 Resp: 27614

Ion Ratio Lower Upper

94 100

96 88.3 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

12000

10000

8000

6000

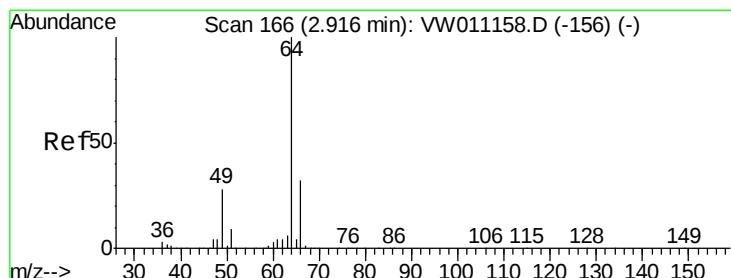
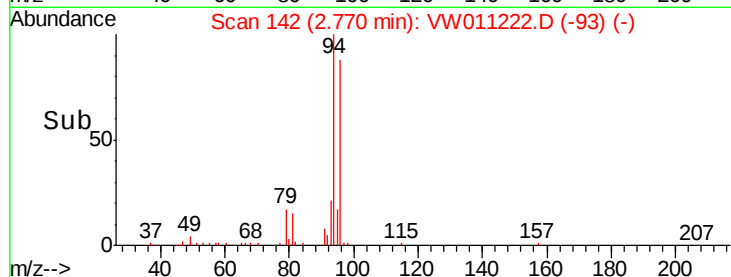
4000

2000

0

Time--> 2.60 2.70 2.80 2.90

2.77



#6

Chloroethane

Concen: 19.456 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011222.D

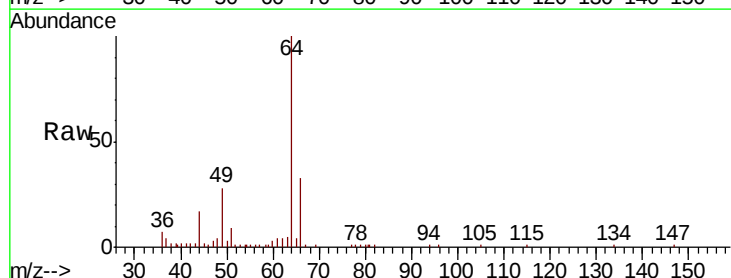
Acq: 11 Jul 2019 12:02

Tgt Ion: 64 Resp: 29230

Ion Ratio Lower Upper

64 100

66 33.0 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

12000

10000

8000

6000

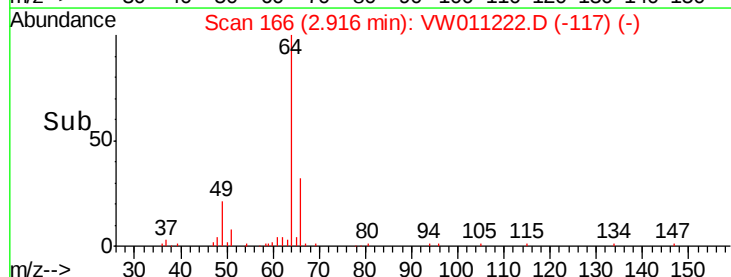
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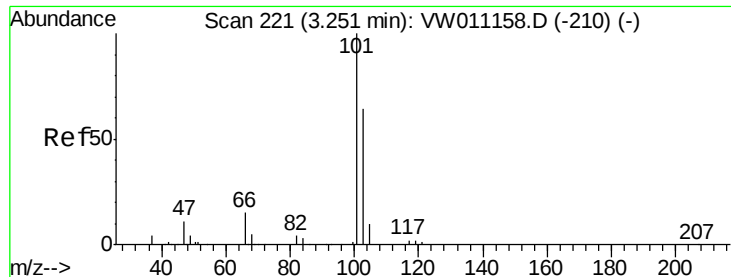
2000

0

Time--> 2.80 2.90 3.00 3.10

2.92



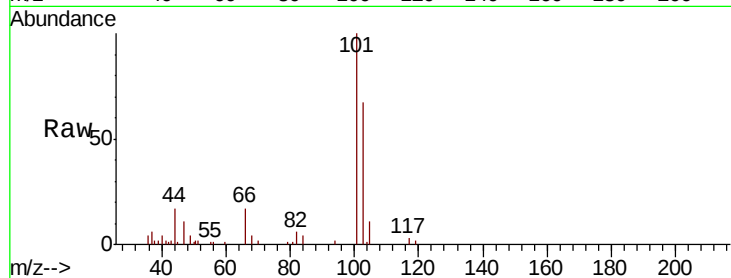


#7

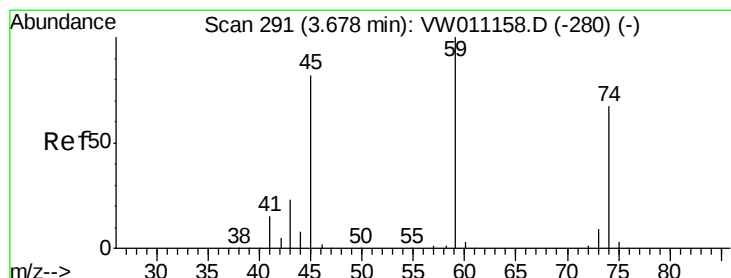
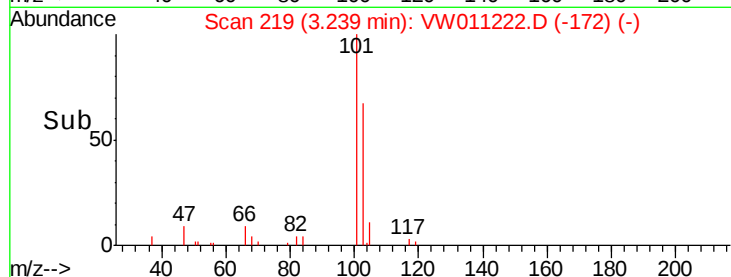
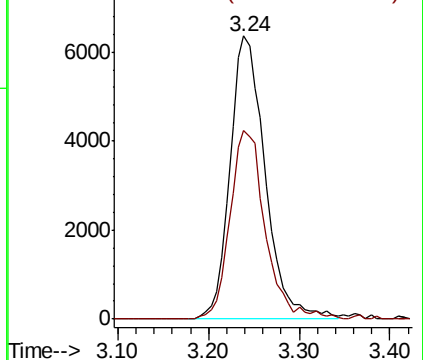
Trichlorofluoromethane
 Concen: 17.233 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VW011222.D
 Acq: 11 Jul 2019 12:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBSD01

Tot Ion:101 Resp: 17076
 Ion Ratio Lower Upper
 101 100
 103 66.8 51.3 76.9



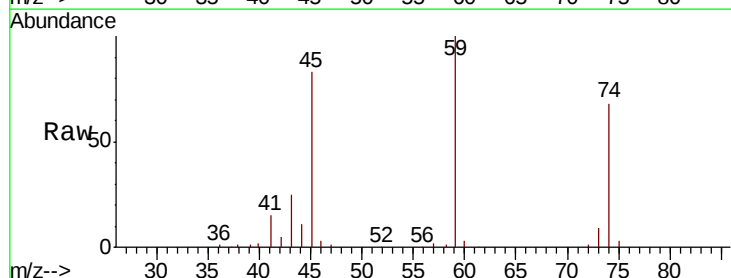
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



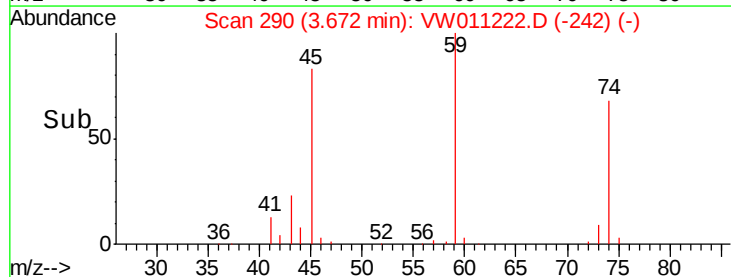
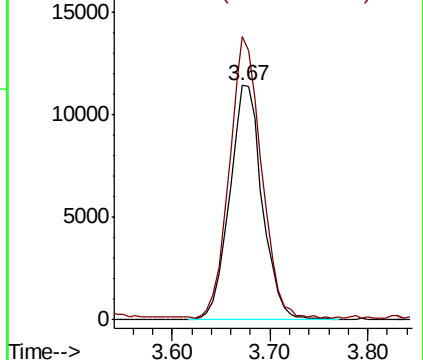
#8

Diethyl Ether
 Concen: 19.207 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011222.D
 Acq: 11 Jul 2019 12:02

Tgt Ion: 74 Resp: 26333
 Ion Ratio Lower Upper
 74 100
 45 119.3 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: 19.539 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBSD01

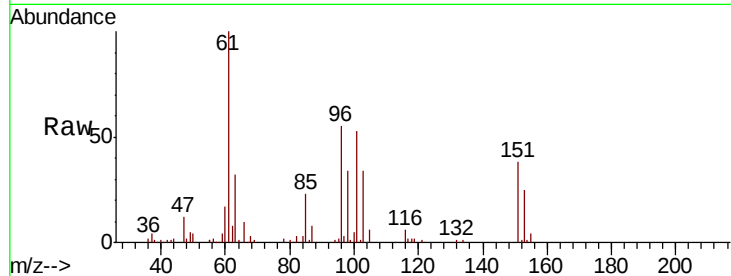
Tot Ion:101 Resp: 46374

Ion Ratio Lower Upper

101 100

85 44.8 36.5 54.7

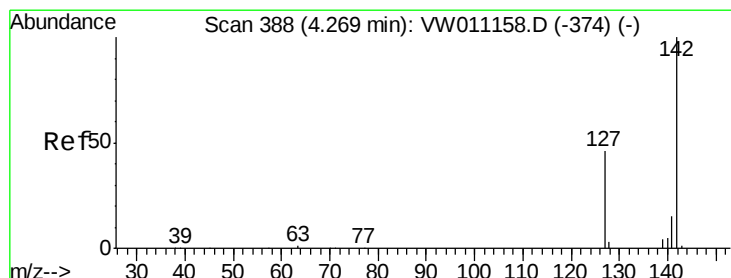
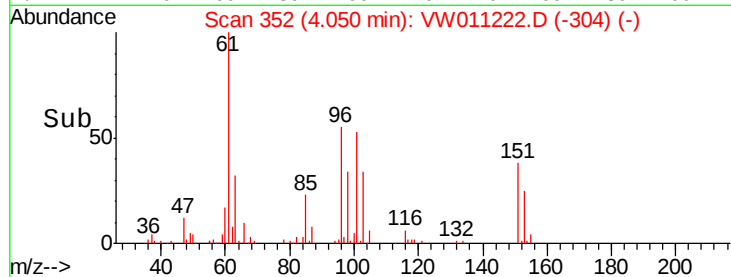
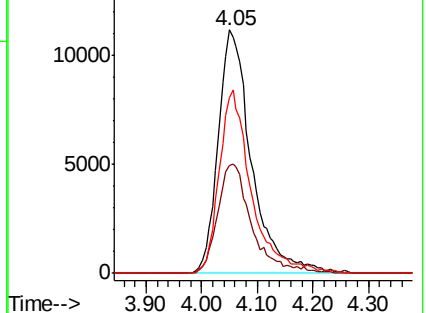
151 72.8 59.1 88.7



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: 19.198 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

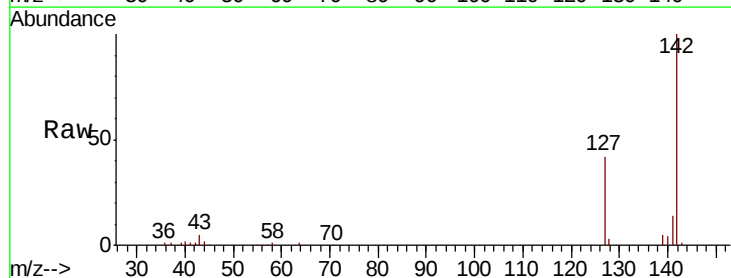
Tgt Ion:142 Resp: 62669

Ion Ratio Lower Upper

142 100

127 43.9 35.7 53.5

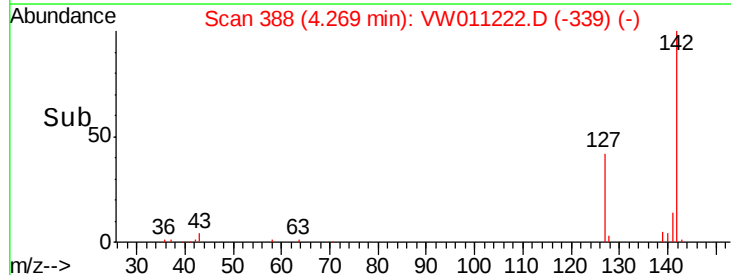
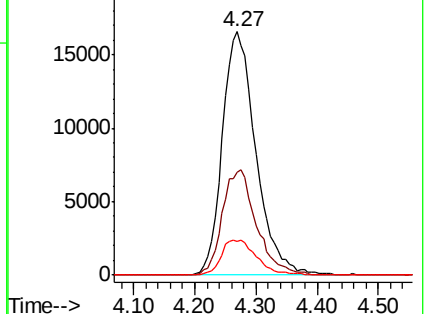
141 15.1 11.5 17.3

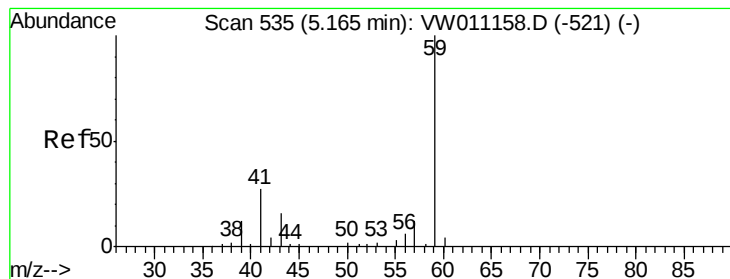


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



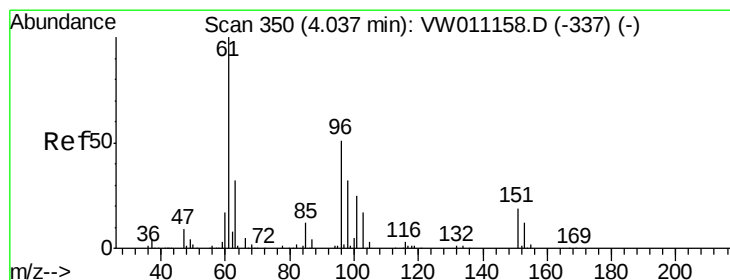
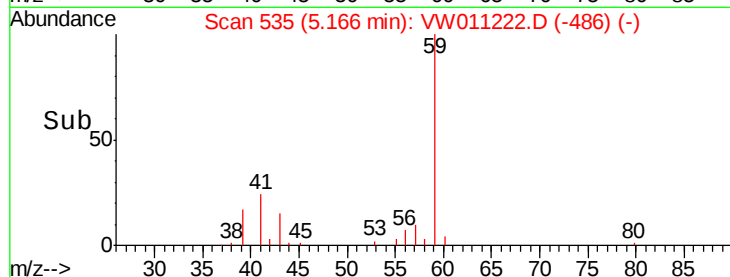
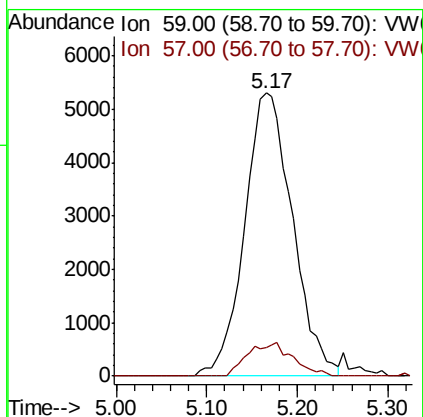
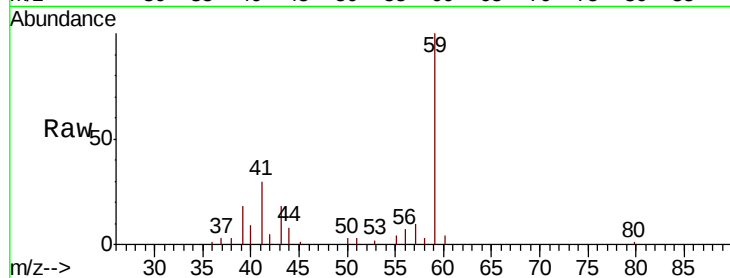


#11

Tert butyl alcohol
 Concen: 94.187 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW011222.D
 Acq: 11 Jul 2019 12:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBSD01

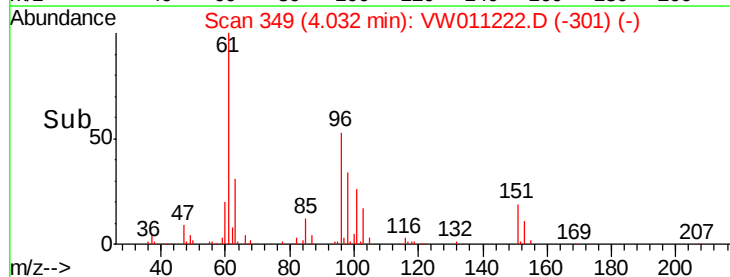
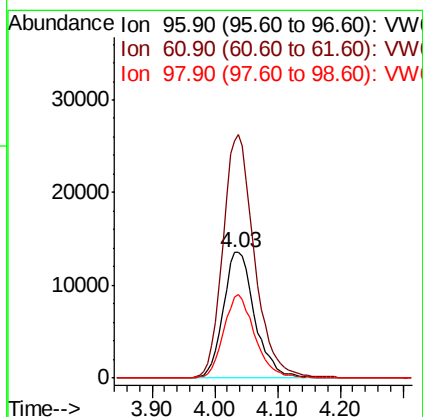
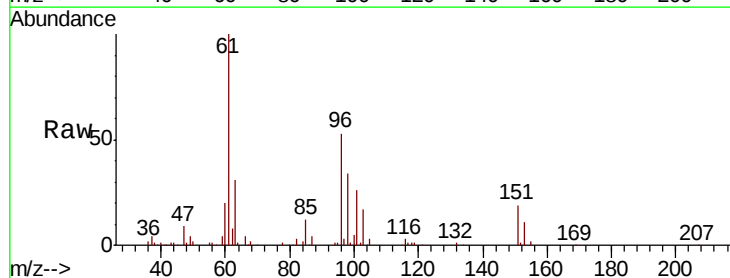
Tot Ion: 59 Resp: 19430
 Ion Ratio Lower Upper
 59 100
 57 11.1 9.0 13.6

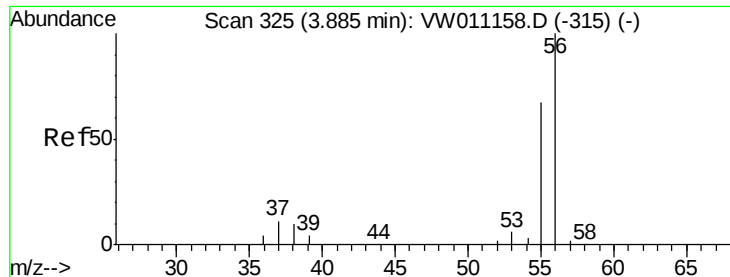


#12

1,1-Dichloroethene
 Concen: 19.221 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW011222.D
 Acq: 11 Jul 2019 12:02

Tgt Ion: 96 Resp: 47348
 Ion Ratio Lower Upper
 96 100
 61 188.6 157.7 236.5
 98 64.9 50.9 76.3





#13

Acrolein

Concen: 73.861 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

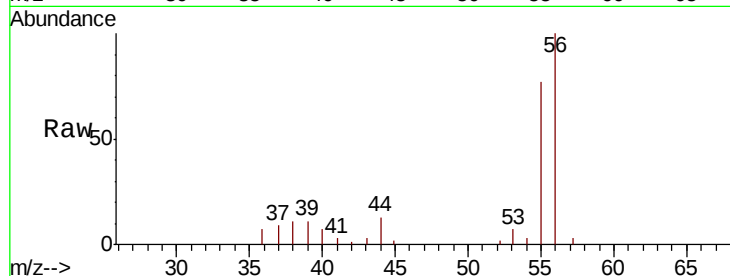
VW0712SBSD01

Tot Ion: 56 Resp: 12133

Ion Ratio Lower Upper

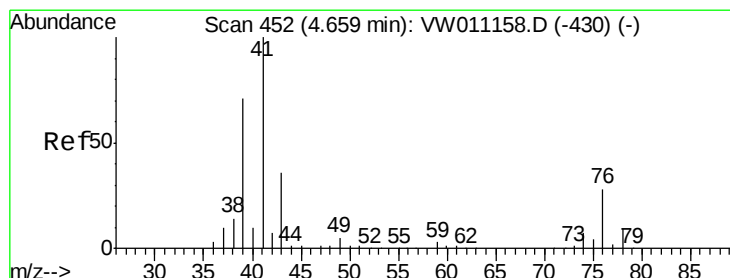
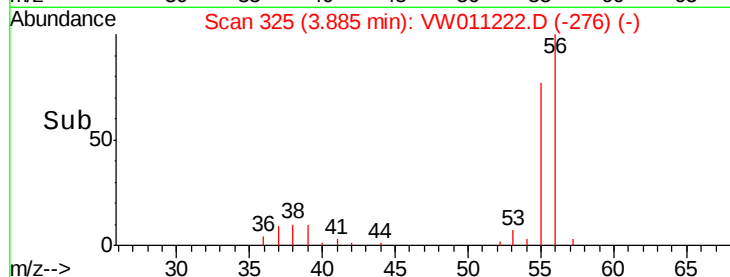
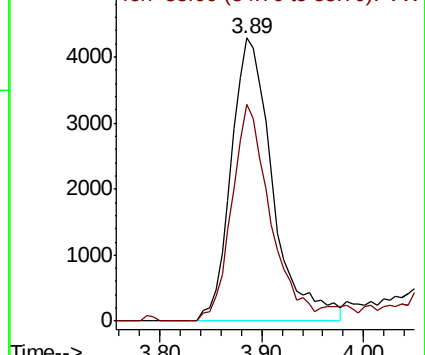
56 100

55 70.3 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 18.765 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

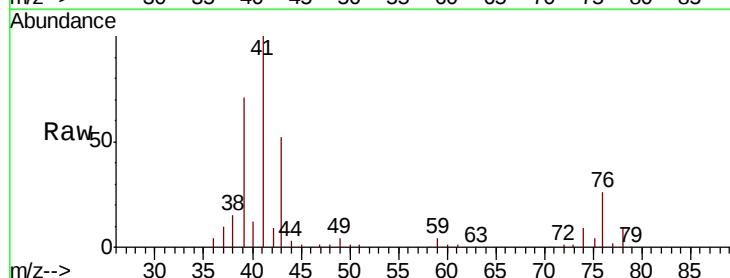
Tgt Ion: 41 Resp: 84296

Ion Ratio Lower Upper

41 100

39 69.2 55.1 82.7

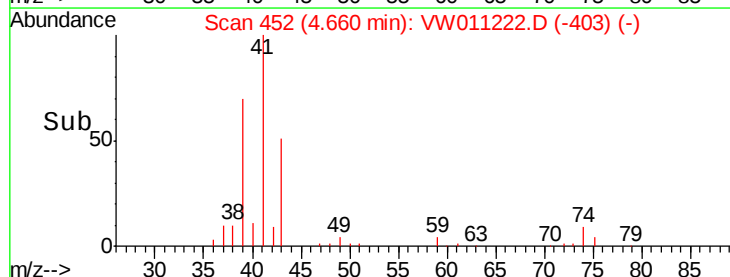
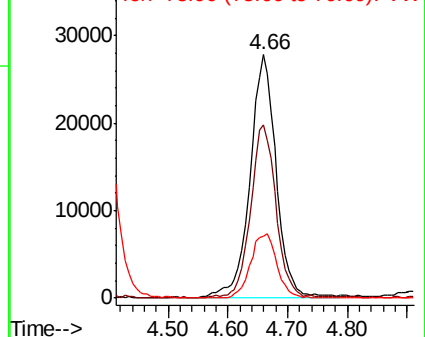
76 27.1 22.5 33.7

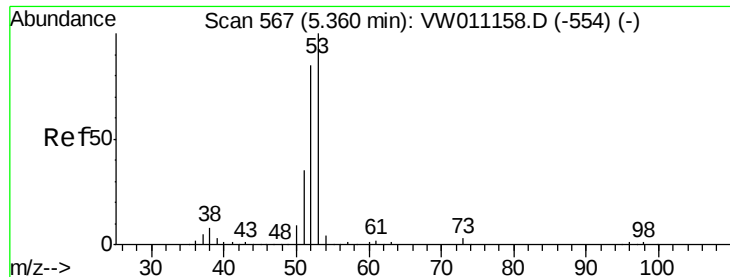


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 95.734 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBSD01

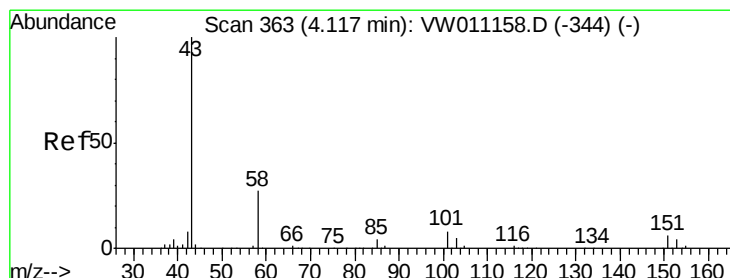
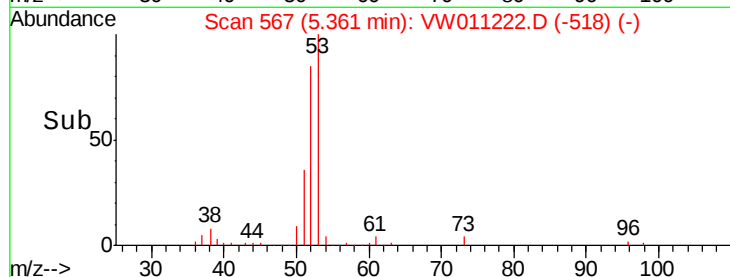
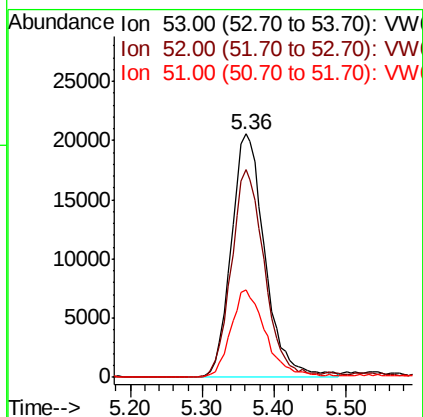
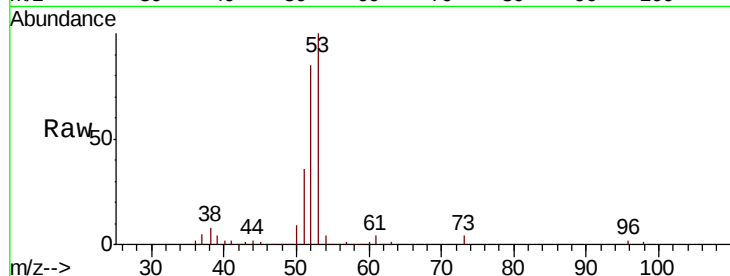
Tot Ion: 53 Resp: 66845

Ion Ratio Lower Upper

53 100

52 83.7 66.2 99.4

51 37.0 29.1 43.7



#16

Acetone

Concen: 102.617 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011222.D

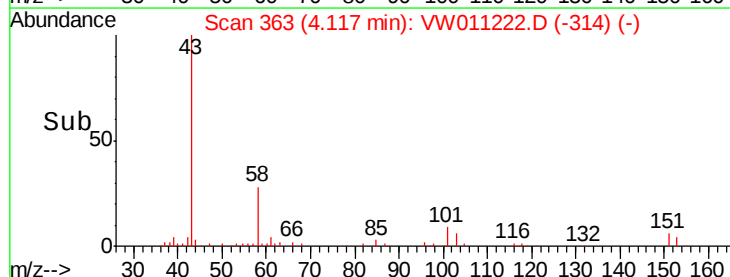
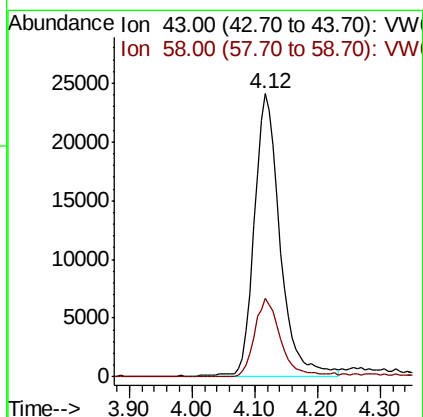
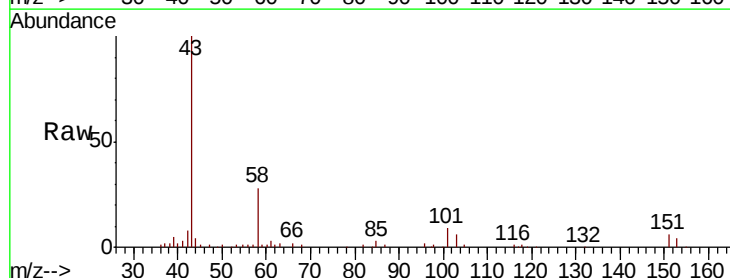
Acq: 11 Jul 2019 12:02

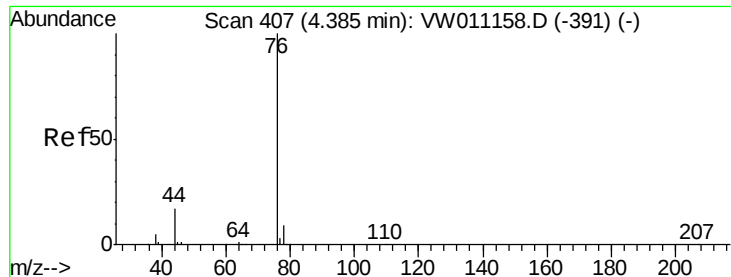
Tgt Ion: 43 Resp: 68797

Ion Ratio Lower Upper

43 100

58 27.6 21.8 32.6

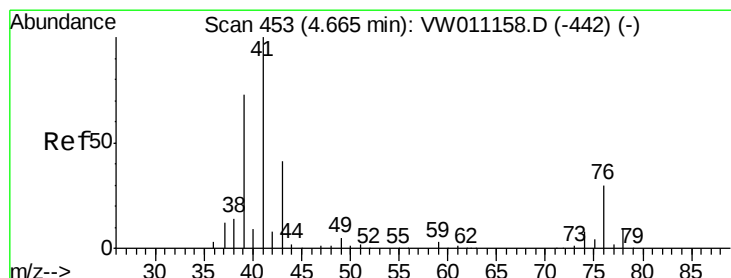
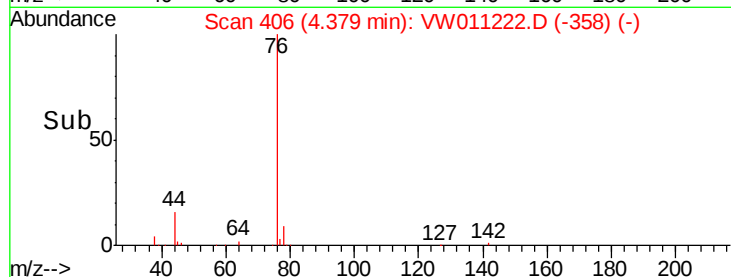
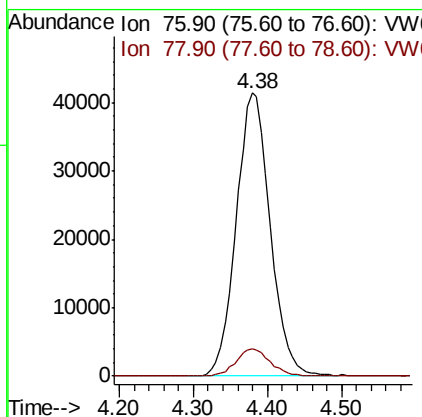
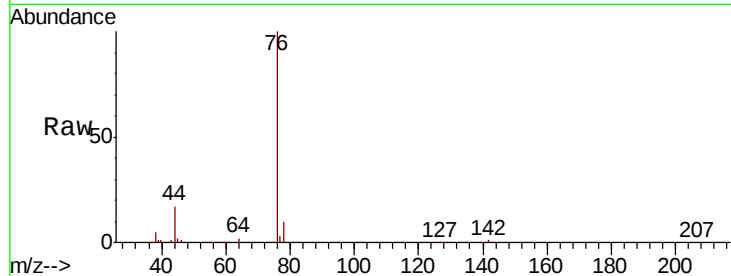




#17
Carbon Disulfide
Concen: 17.734 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

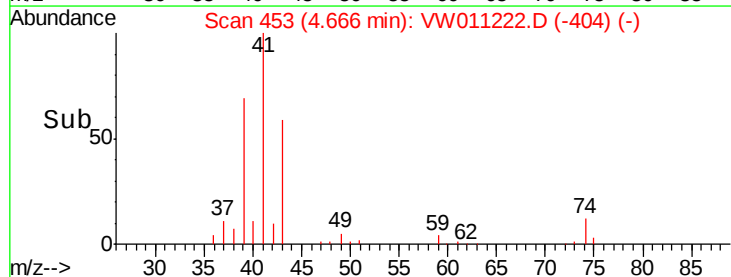
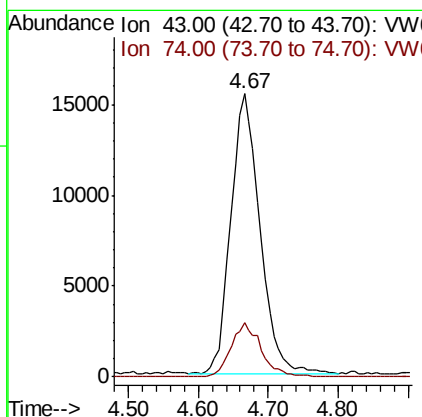
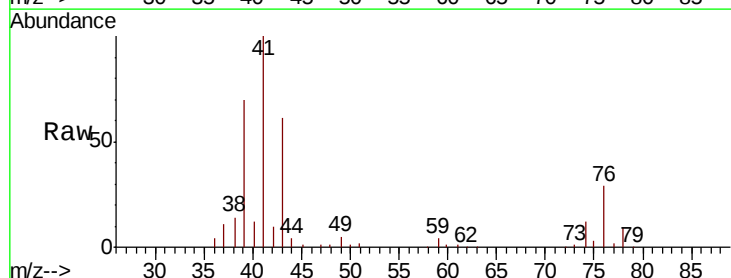
Instrument :
MSVOA_W
ClientSampleId :
VW0712SBSD01

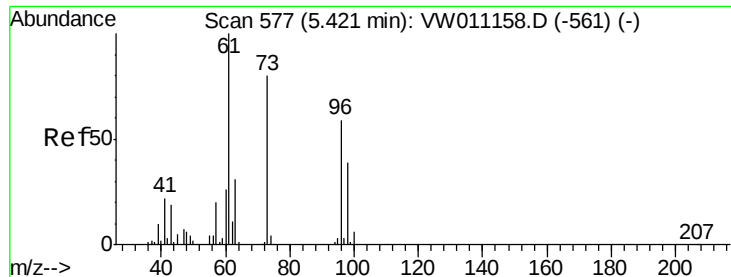
Tot Ion: 76 Resp: 132443
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7



#18
Methyl Acetate
Concen: 22.716 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

Tgt Ion: 43 Resp: 44778
Ion Ratio Lower Upper
43 100
74 19.8 15.7 23.5

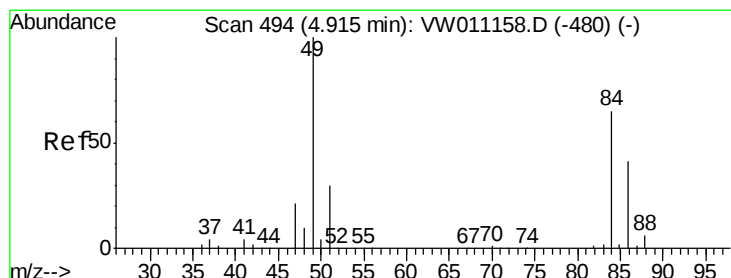
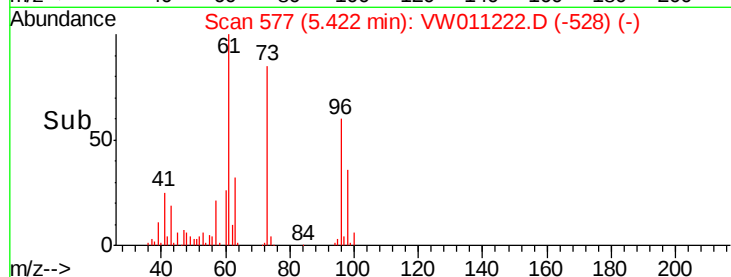
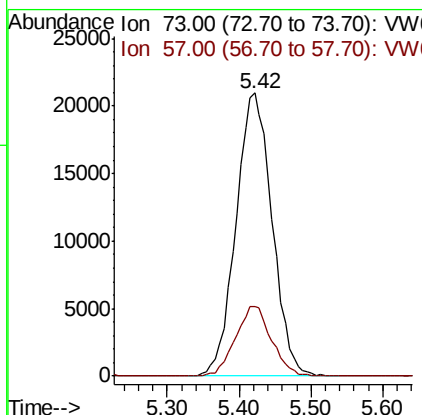
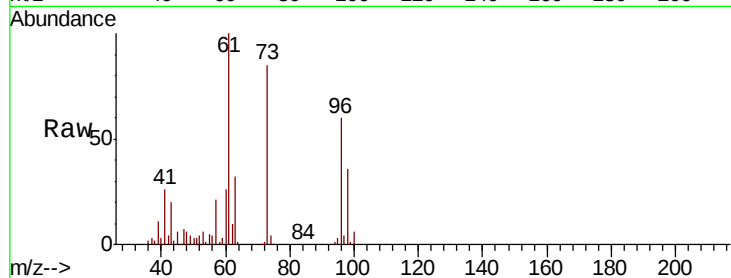




#19
Methyl tert-butyl Ether
Concen: 19.495 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

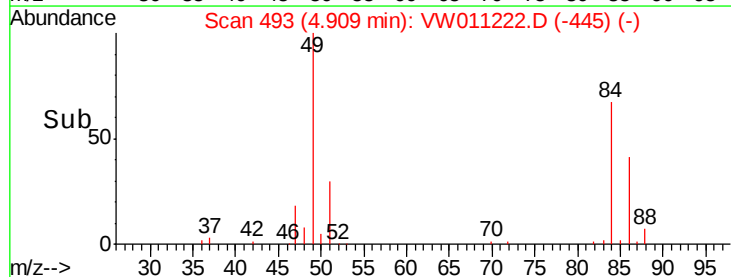
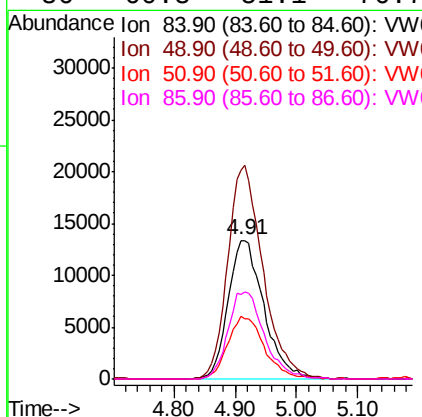
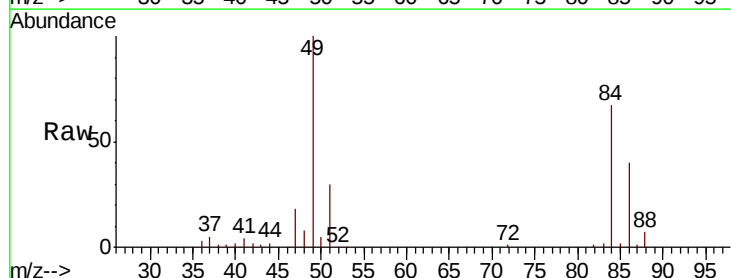
Instrument :
MSVOA_W
ClientSampleId :
VW0712SBSD01

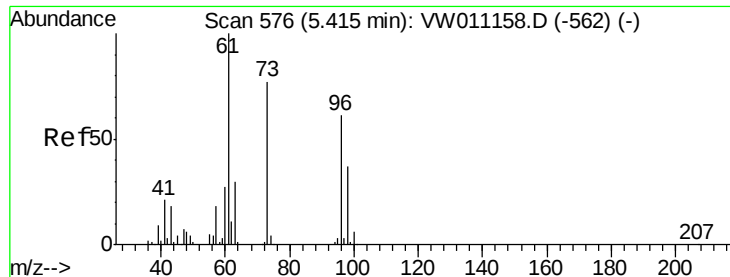
Tot Ion: 73 Resp: 72868
Ion Ratio Lower Upper
73 100
57 24.5 19.7 29.5



#20
Methylene Chloride
Concen: 20.509 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

Tgt Ion: 84 Resp: 54241
Ion Ratio Lower Upper
84 100
49 150.1 123.8 185.6
51 45.2 37.4 56.2
86 60.8 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.409 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBSD01

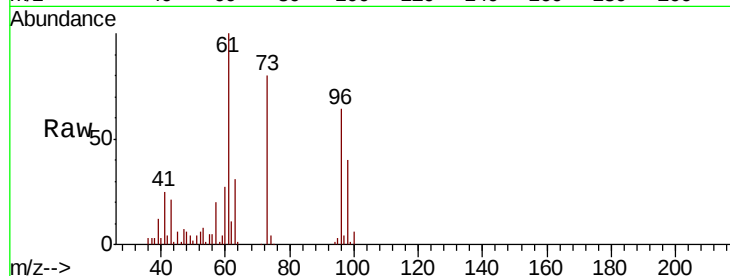
Tot Ion: 96 Resp: 49682

Ion Ratio Lower Upper

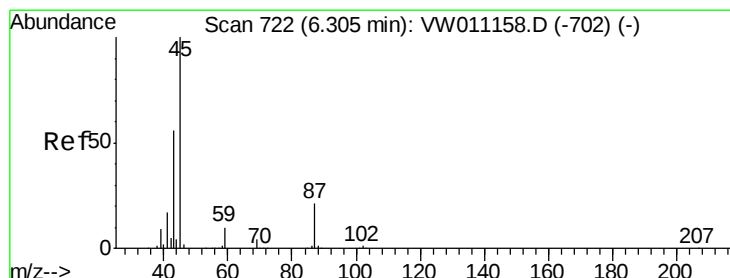
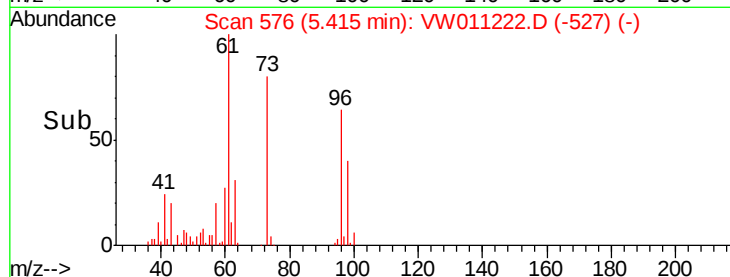
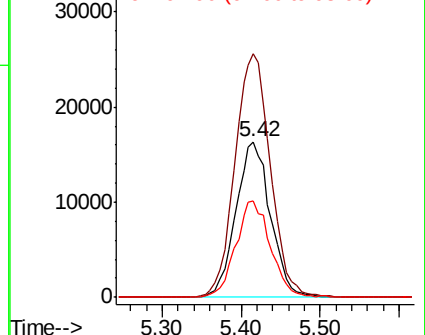
96 100

61 156.3 132.2 198.2

98 61.9 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: 19.888 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Tgt Ion: 45 Resp: 192151

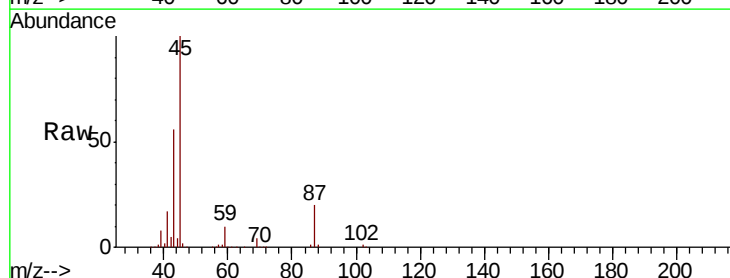
Ion Ratio Lower Upper

45 100

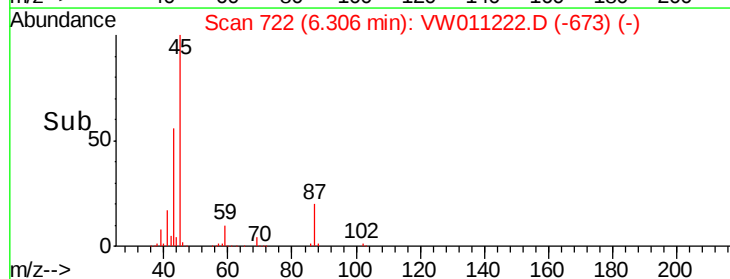
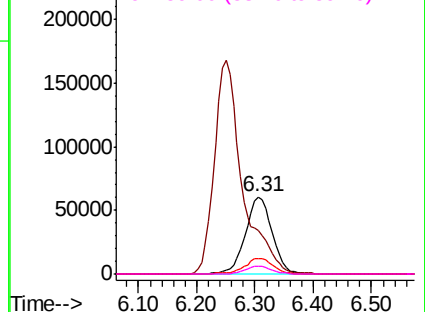
43 55.7 44.6 66.8

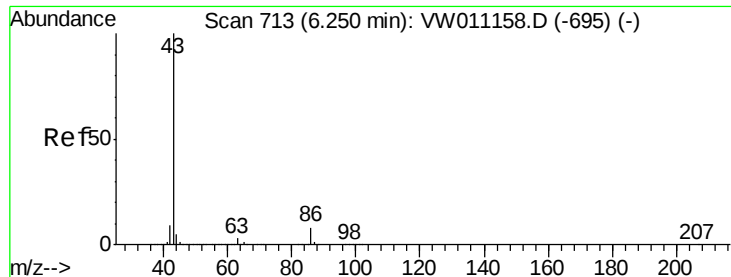
87 20.2 17.3 25.9

59 9.4 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: 93.037 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

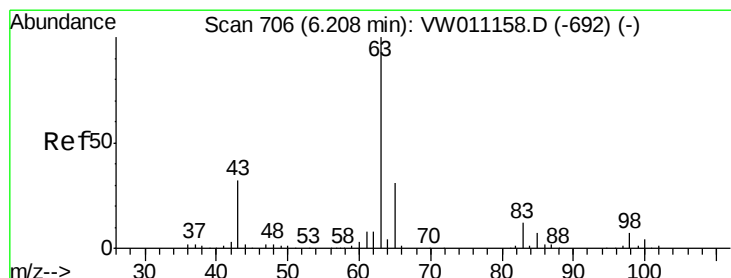
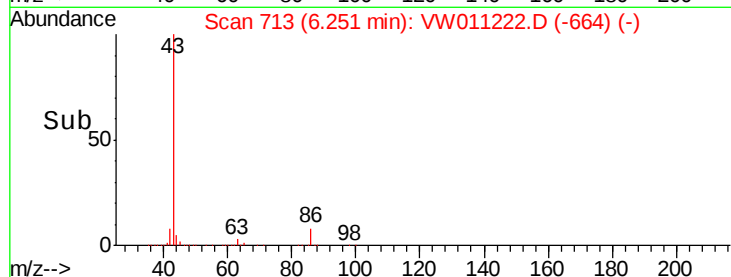
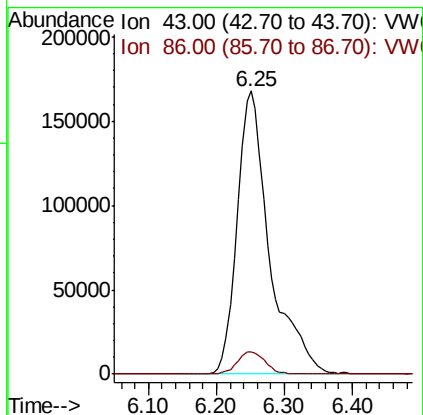
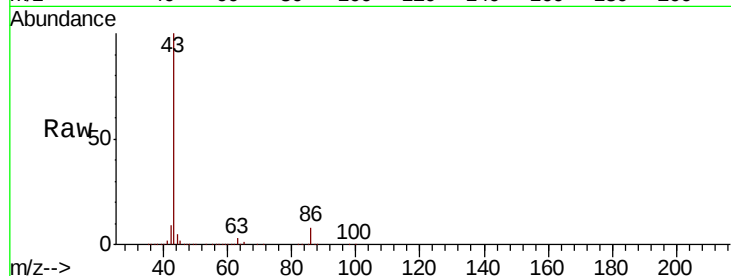
VW0712SBSD01

Tot Ion: 43 Resp: 556299

Ion Ratio Lower Upper

43 100

86 8.0 6.5 9.7



#24

1,1-Dichloroethane

Concen: 19.323 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

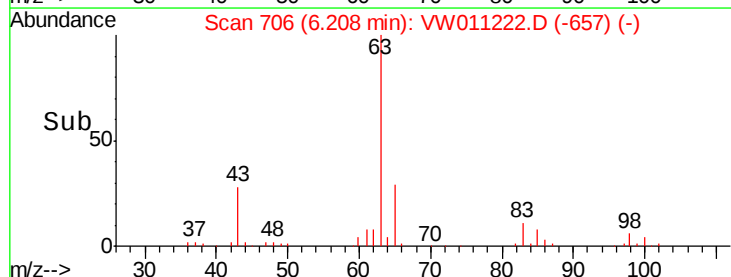
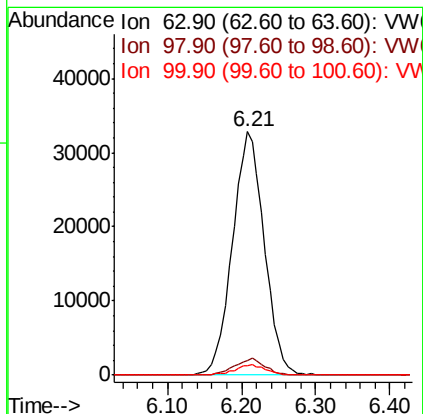
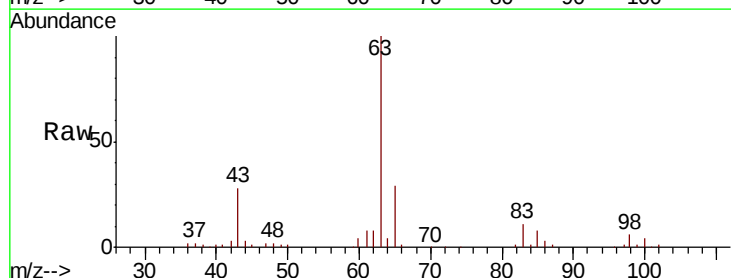
Tgt Ion: 63 Resp: 98035

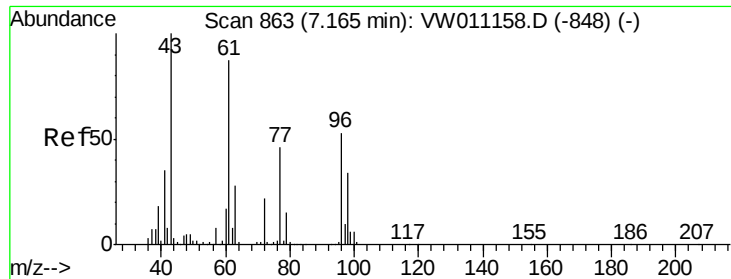
Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.9

100 3.8 2.1 6.2





#25

2-Butanone

Concen: 95.563 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

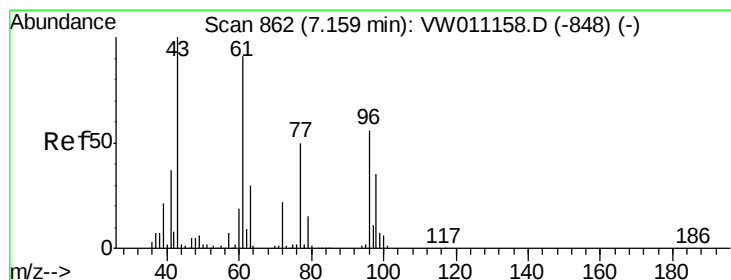
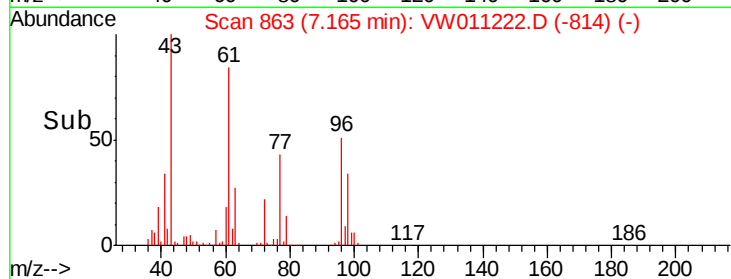
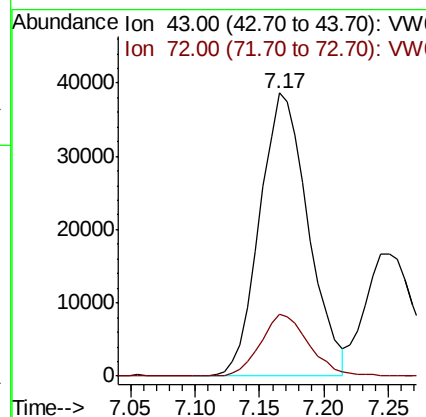
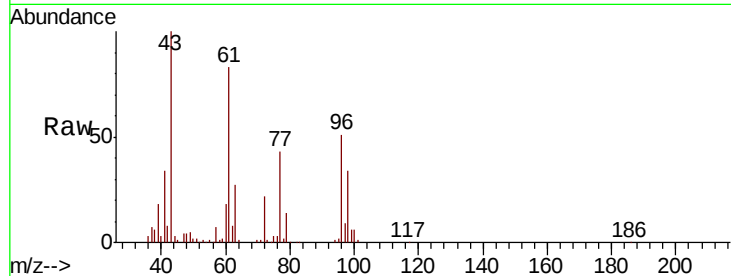
VW0712SBSD01

Tot Ion: 43 Resp: 100569

Ion Ratio Lower Upper

43 100

72 22.0 17.6 26.4



#26

2,2-Dichloropropane

Concen: 18.745 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011222.D

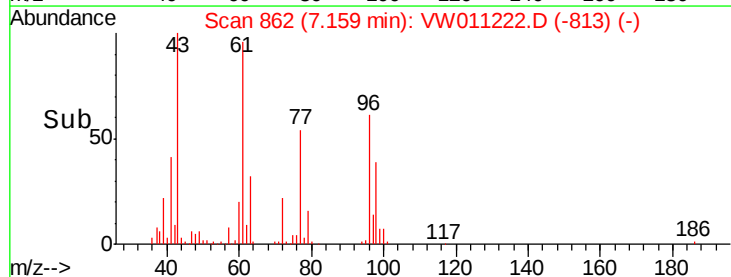
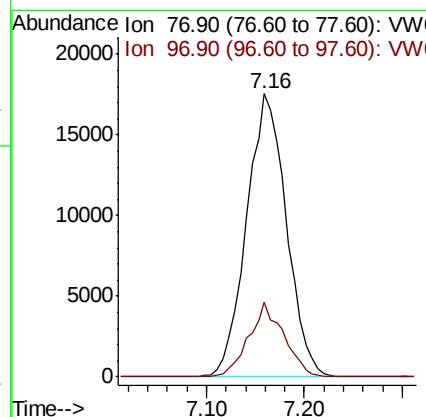
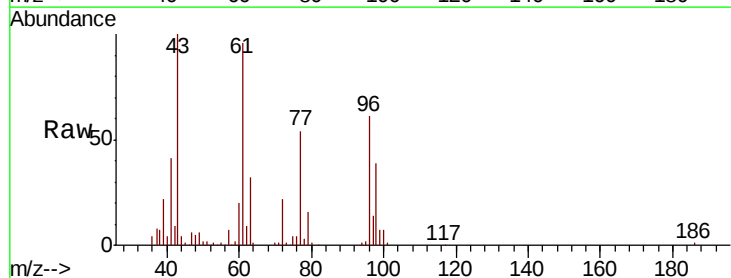
Acq: 11 Jul 2019 12:02

Tgt Ion: 77 Resp: 49434

Ion Ratio Lower Upper

77 100

97 23.2 11.2 33.5

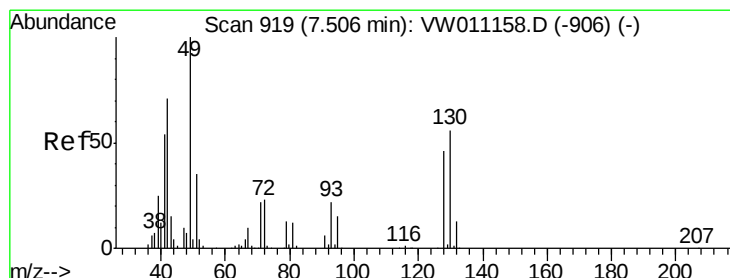
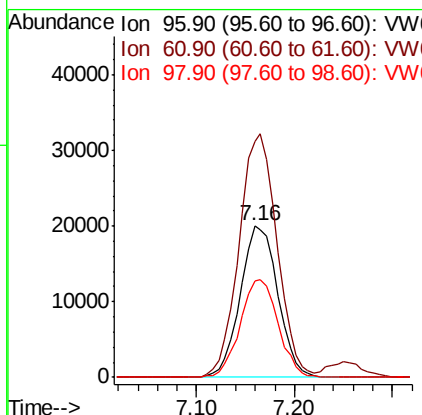
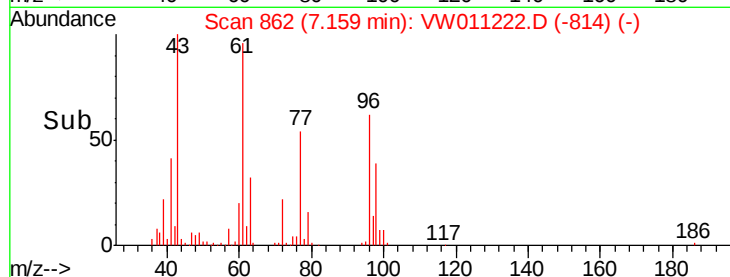
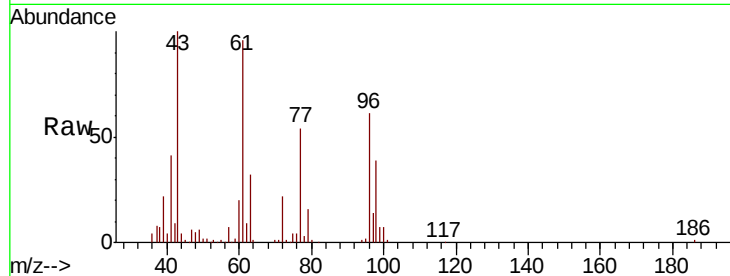




#27
 cis-1,2-Dichloroethene
 Concen: 19.287 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW011222.D
 Acq: 11 Jul 2019 12:02

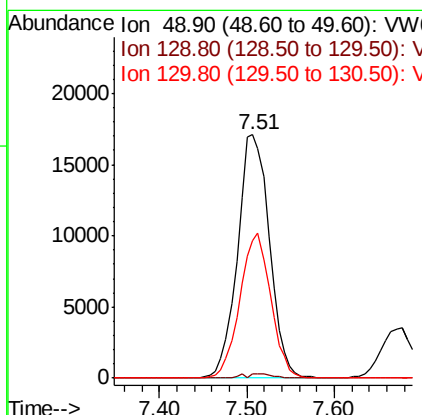
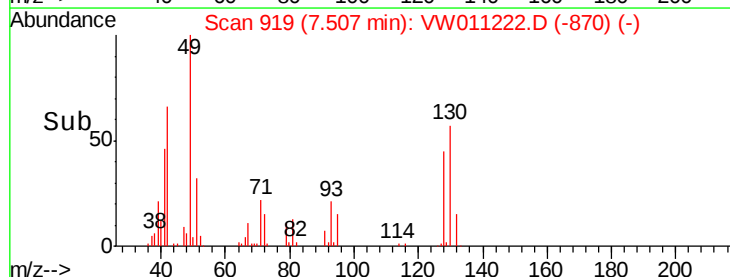
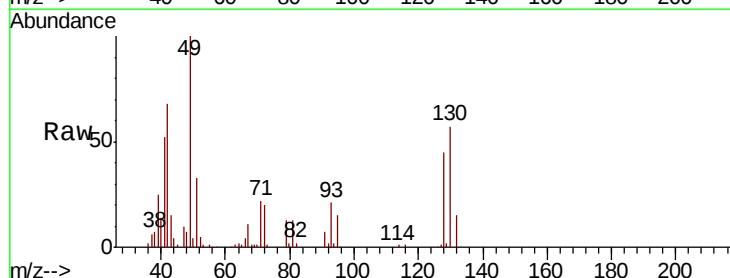
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBSD01

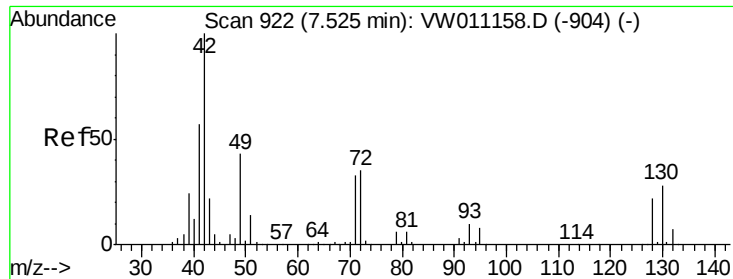
Tot Ion: 96 Resp: 53256
 Ion Ratio Lower Upper
 96 100
 61 162.8 0.0 325.6
 98 65.3 0.0 128.2



#28
 Bromochloromethane
 Concen: 18.829 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW011222.D
 Acq: 11 Jul 2019 12:02

Tgt Ion: 49 Resp: 43437
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 1.4
 130 57.5 45.8 68.8

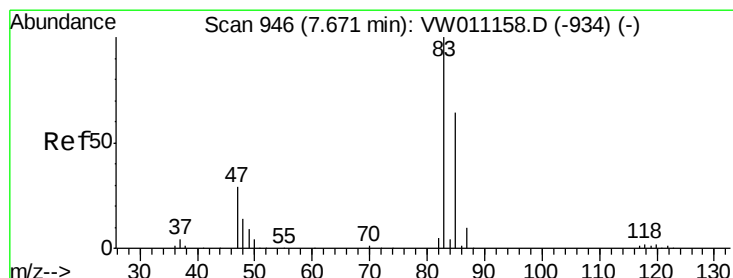
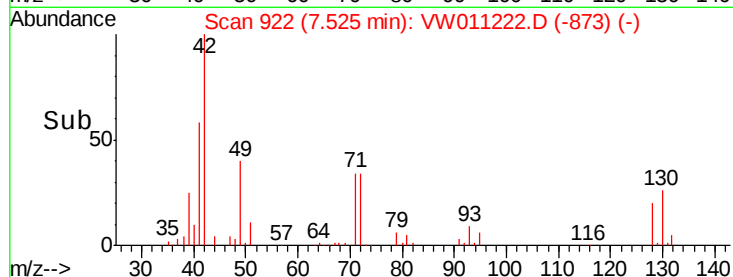
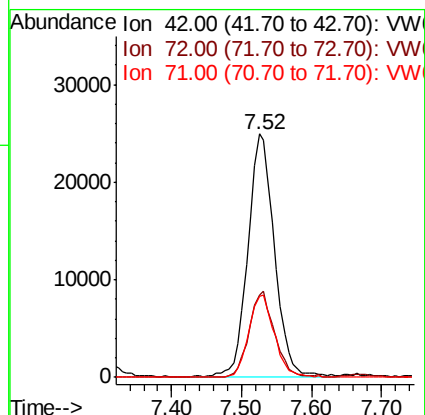
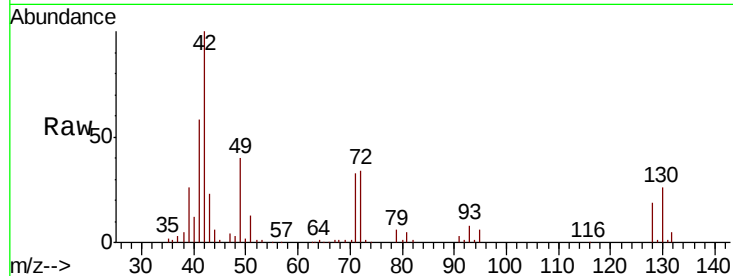




#29
Tetrahydrofuran
Concen: 95.903 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

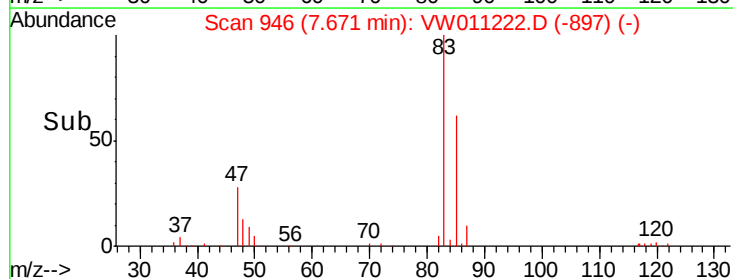
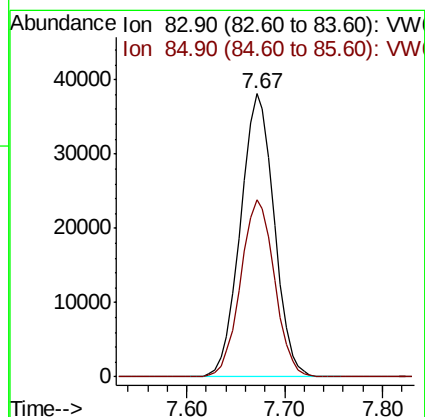
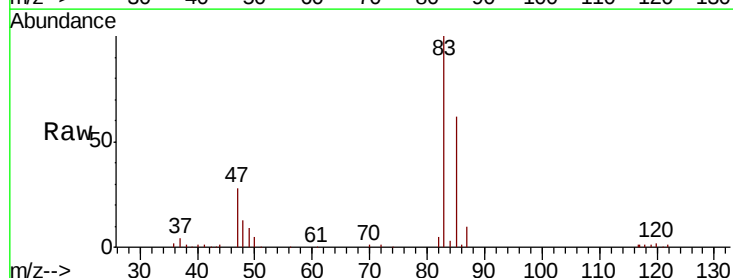
Instrument :
MSVOA_W
ClientSampleId :
VW0712SBSD01

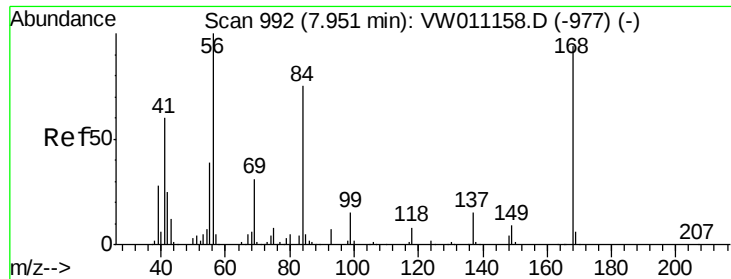
Tot Ion: 42 Resp: 66179
Ion Ratio Lower Upper
42 100
72 33.5 27.4 41.2
71 32.5 25.9 38.9



#30
Chloroform
Concen: 19.397 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

Tgt Ion: 83 Resp: 91139
Ion Ratio Lower Upper
83 100
85 62.4 51.4 77.2

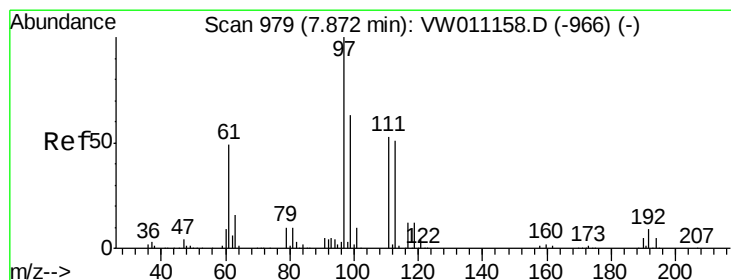
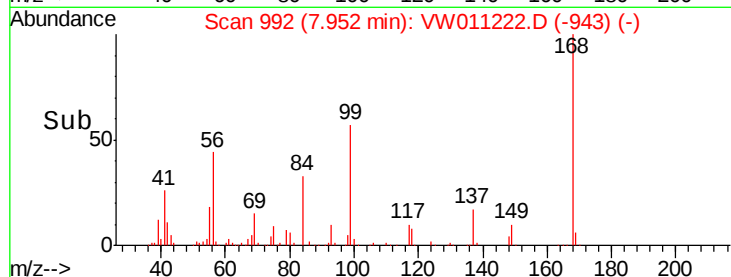
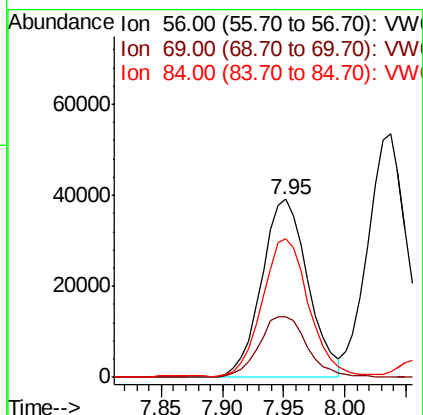
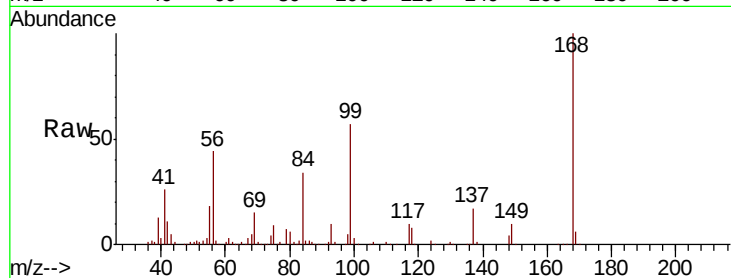




#31
Cyclohexane
Concen: 19.149 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

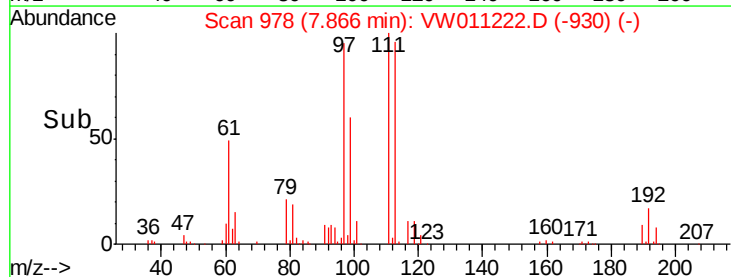
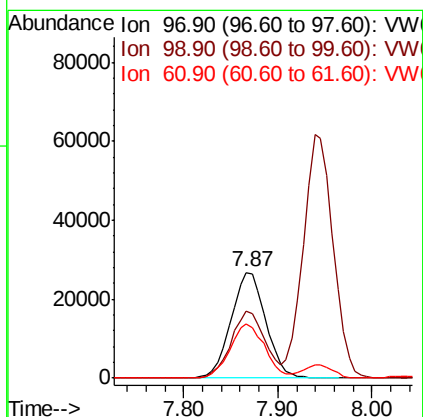
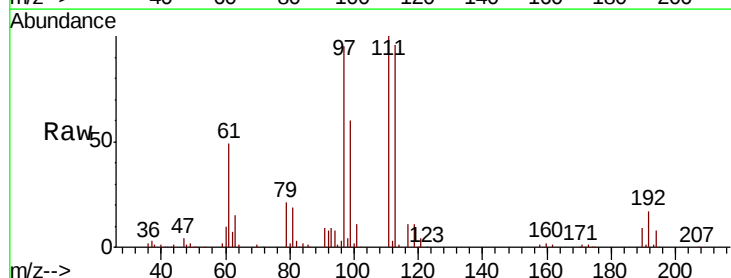
Instrument :
MSVOA_W
ClientSampled :
VW0712SBSD01

Tot Ion: 56 Resp: 103355
Ion Ratio Lower Upper
56 100
69 34.3 24.6 36.8
84 77.4 60.1 90.1



#32
1,1,1-Trichloroethane
Concen: 19.186 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

Tgt Ion: 97 Resp: 68574
Ion Ratio Lower Upper
97 100
99 62.2 51.0 76.4
61 50.7 40.4 60.6





#33

1,2-Dichloroethane-d4

Concen: 45.814 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

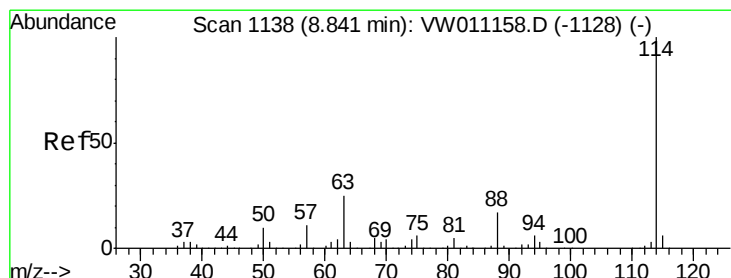
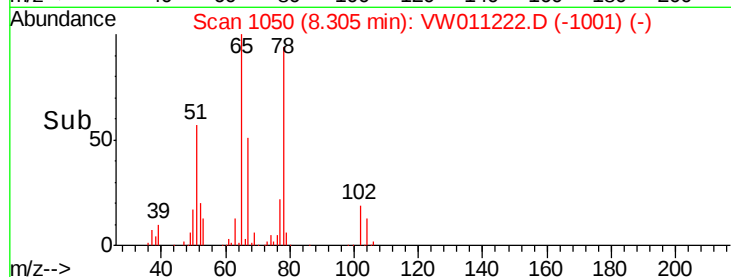
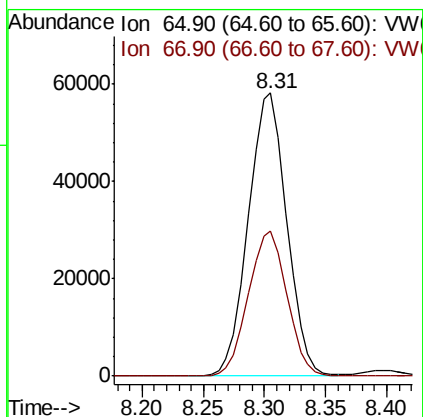
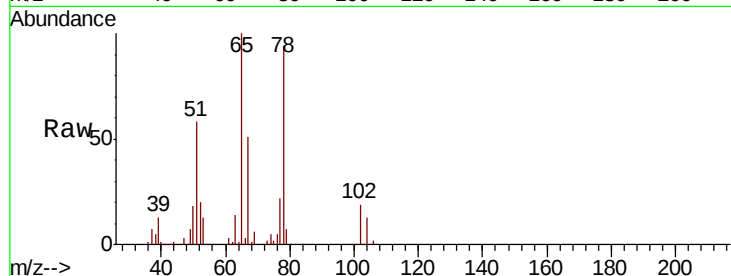
VW0712SBSD01

Tot Ion: 65 Resp: 127654

Ion Ratio Lower Upper

65 100

67 51.5 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: VW011222.D

Acq: 11 Jul 2019 12:02

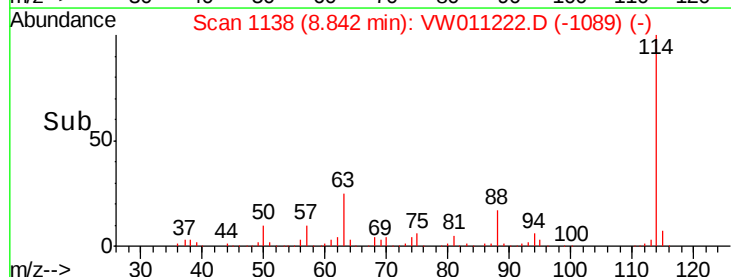
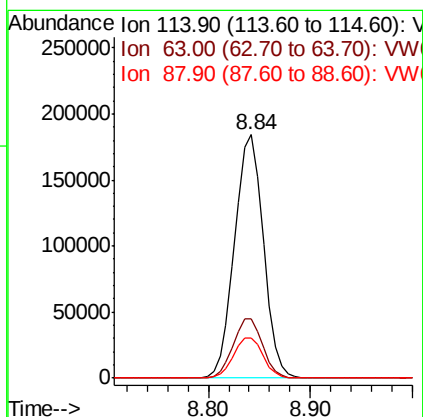
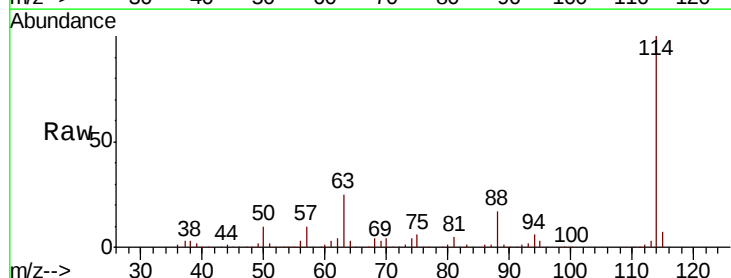
Tgt Ion: 114 Resp: 360854

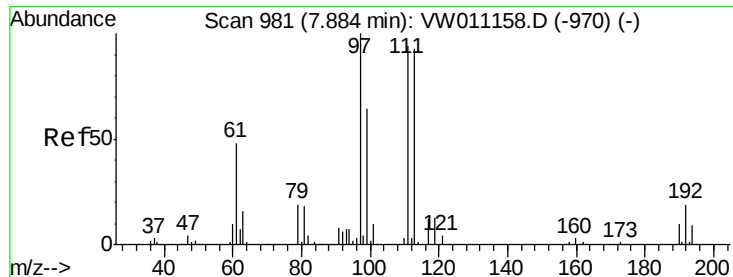
Ion Ratio Lower Upper

114 100

63 24.5 0.0 50.8

88 16.6 0.0 34.2





#35

Dibromofluoromethane

Concen: 46.813 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBSD01

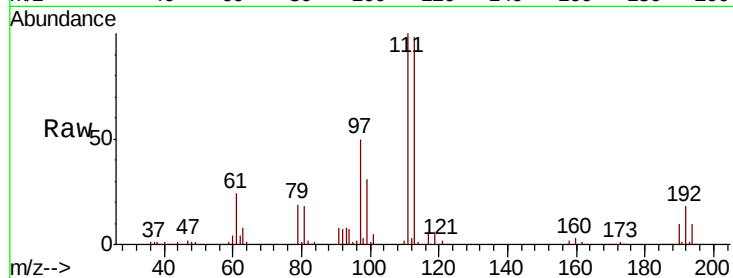
Tot Ion:113 Resp: 100688

Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

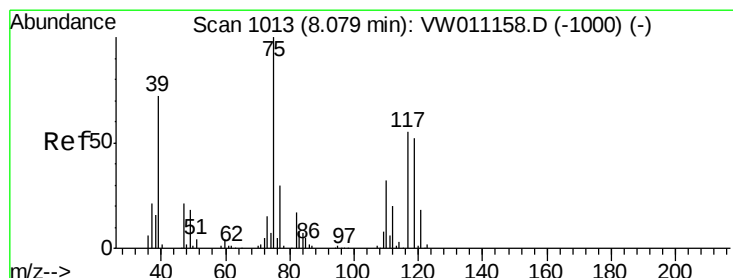
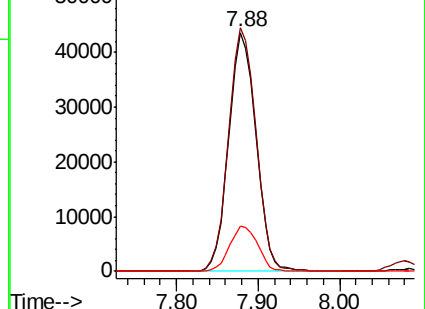
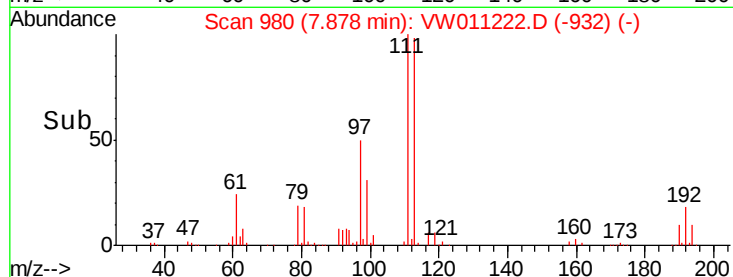
192 19.2 15.8 23.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.405 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

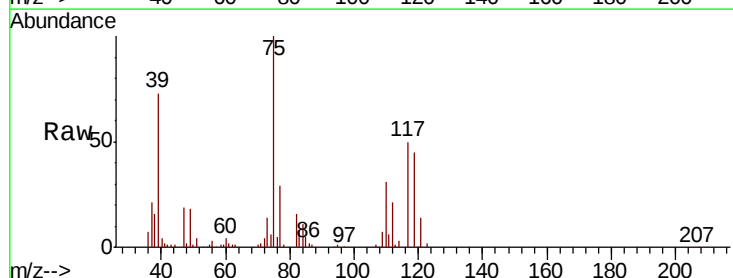
Tgt Ion: 75 Resp: 74567

Ion Ratio Lower Upper

75 100

110 31.7 15.9 47.6

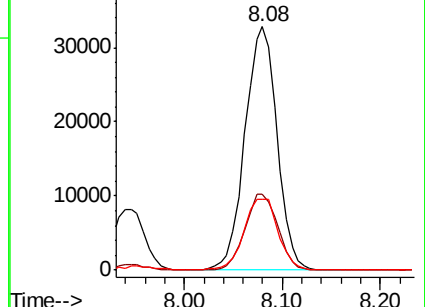
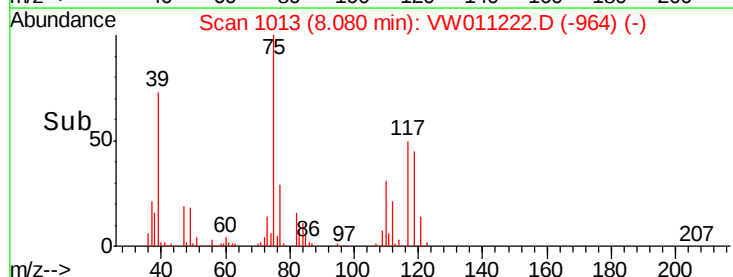
77 31.4 24.6 36.8

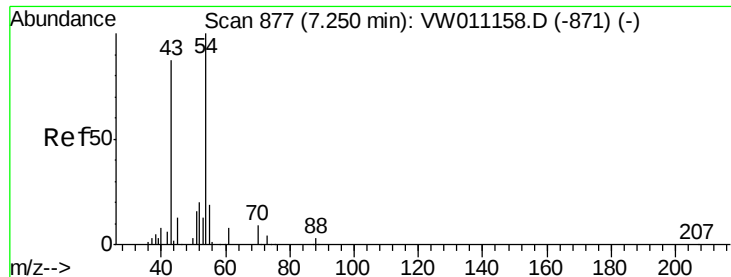


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

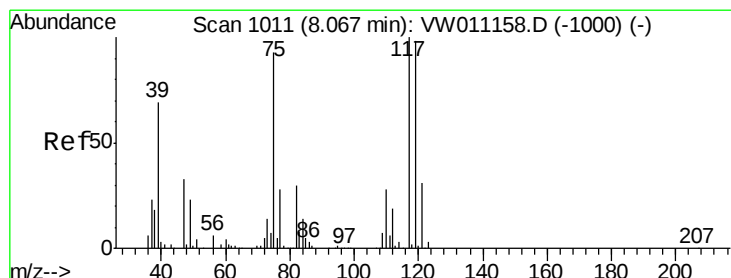
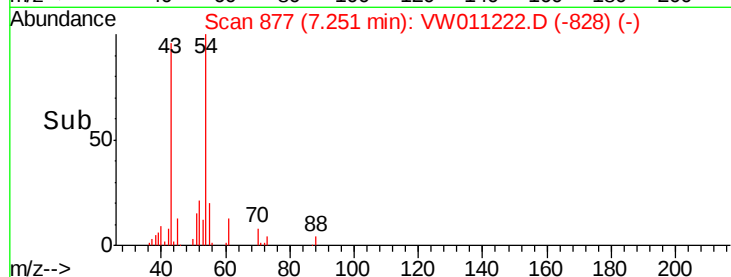
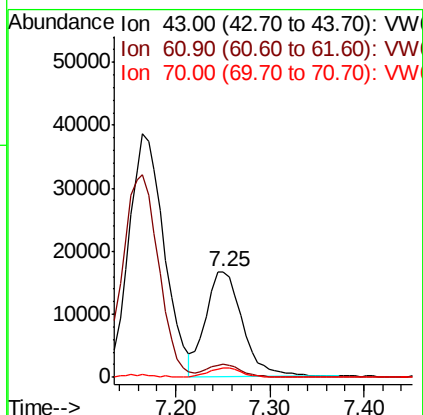
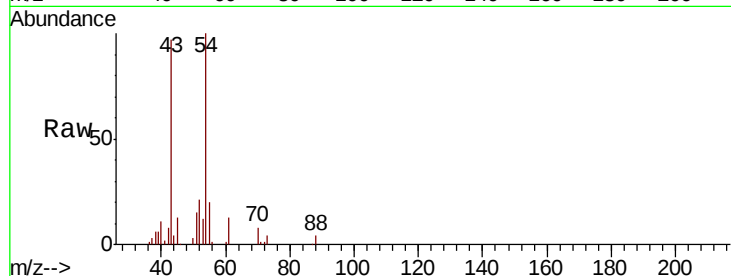




#37
Ethyl Acetate
Concen: 19.641 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

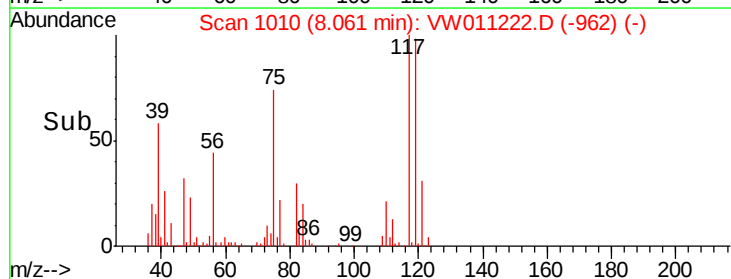
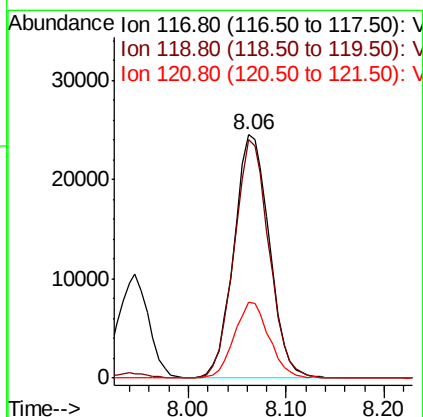
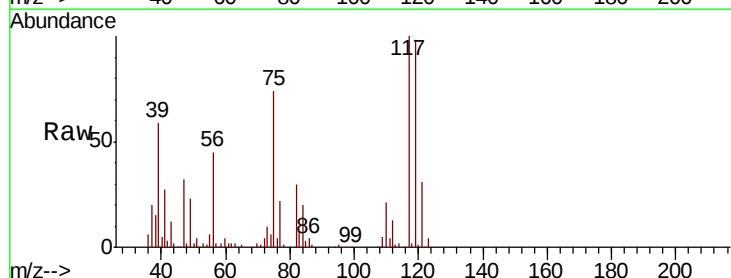
Instrument :
MSVOA_W
ClientSampleId :
VW0712SBSD01

Tot Ion: 43 Resp: 45348
Ion Ratio Lower Upper
43 100
61 11.9 9.5 14.3
70 8.0 7.1 10.7



#38
Carbon Tetrachloride
Concen: 18.988 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

Tgt Ion: 117 Resp: 61856
Ion Ratio Lower Upper
117 100
119 98.1 78.1 117.1
121 31.0 25.1 37.7

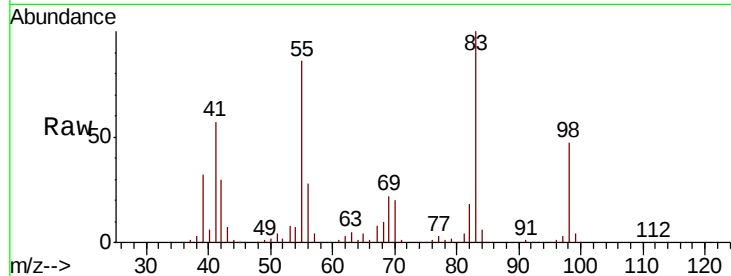




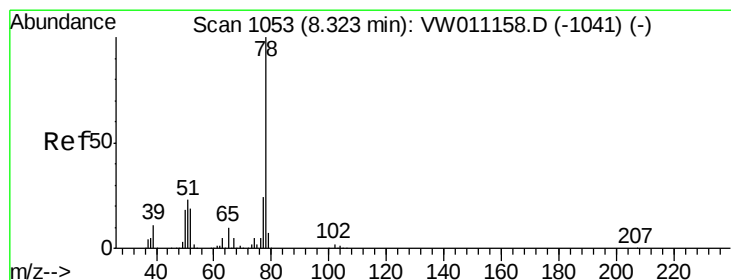
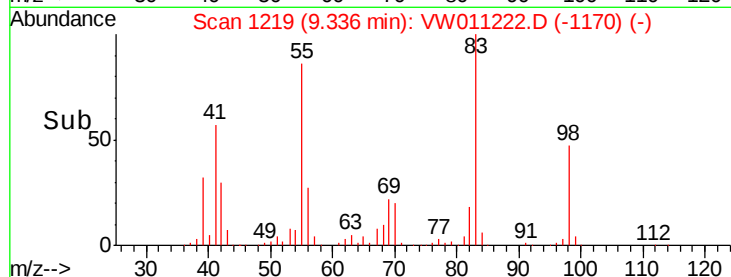
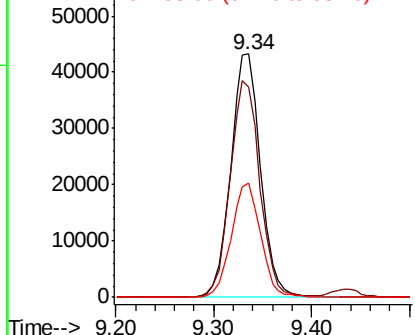
#39
Methvlcvclohexane
Concen: 19.588 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBSD01

Tot Ion: 83 Resp: 91231
Ion Ratio Lower Upper
83 100
55 86.4 71.2 106.8
98 47.2 37.5 56.3

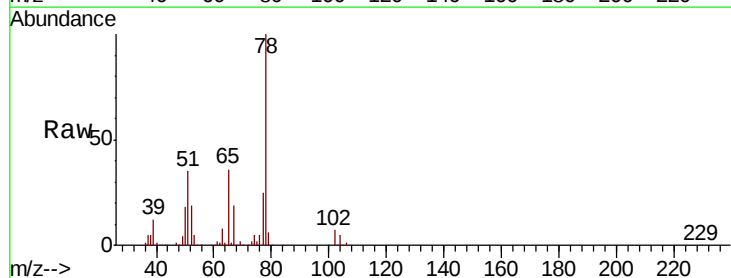


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

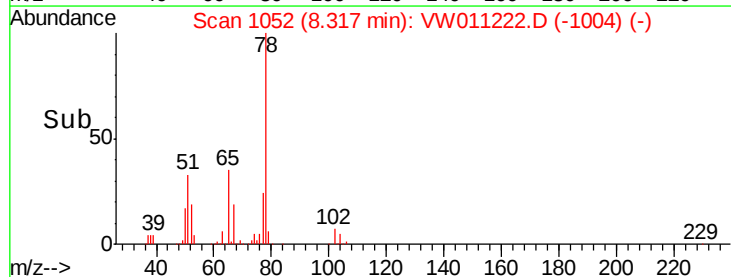
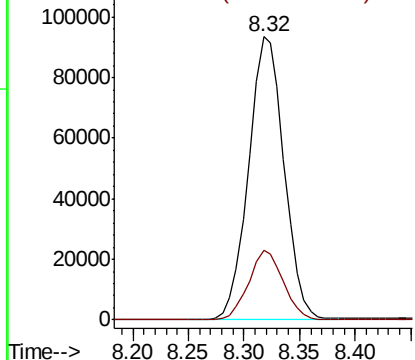


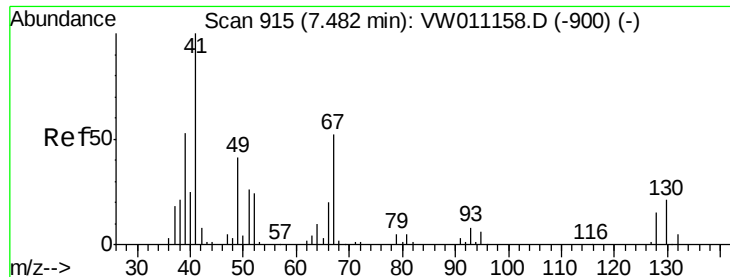
#40
Benzene
Concen: 19.559 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

Tgt Ion: 78 Resp: 207711
Ion Ratio Lower Upper
78 100
77 24.6 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 20.007 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBSD01

Tot Ion: 41 Resp: 26419

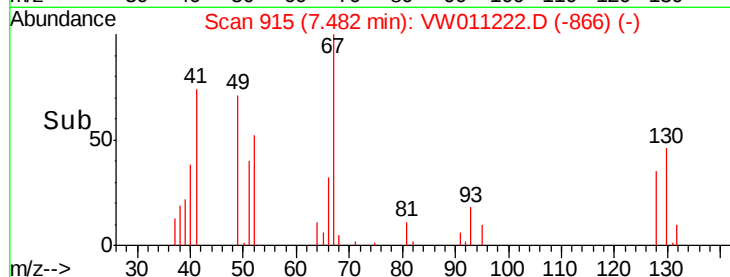
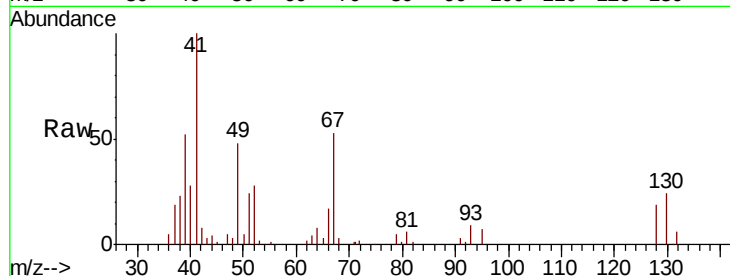
Ion Ratio Lower Upper

41 100

39 54.8 48.0 72.0

67 58.2 49.7 74.5

52 27.9 23.4 35.0

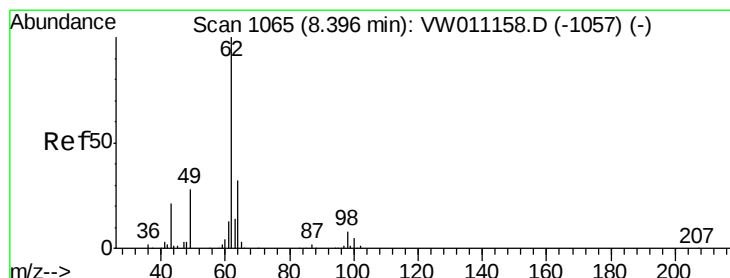
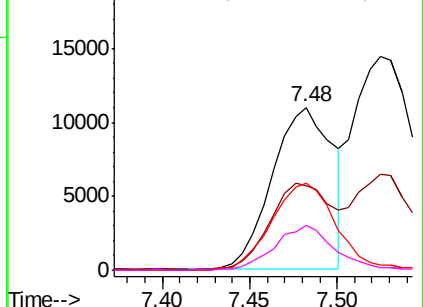


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 19.604 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011222.D

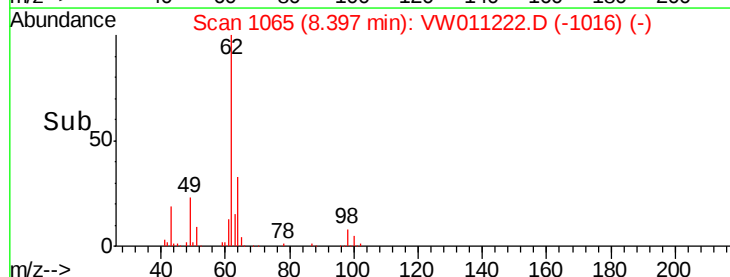
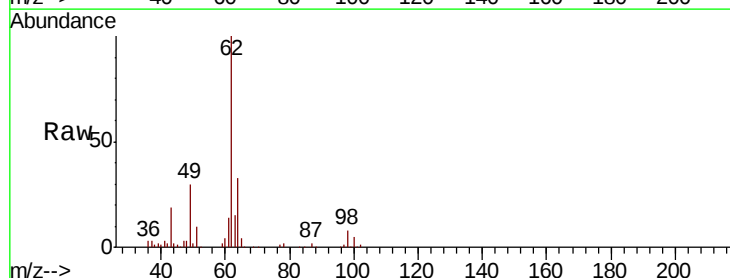
Acq: 11 Jul 2019 12:02

Tgt Ion: 62 Resp: 67535

Ion Ratio Lower Upper

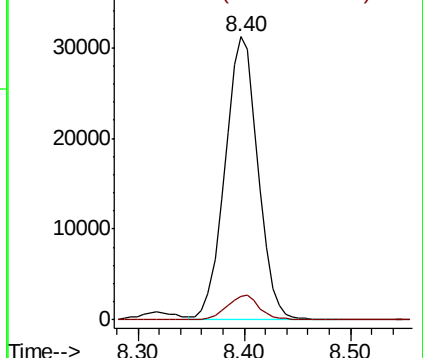
62 100

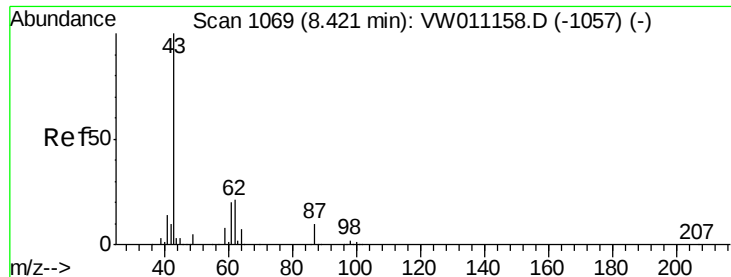
98 8.5 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.090 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBSD01

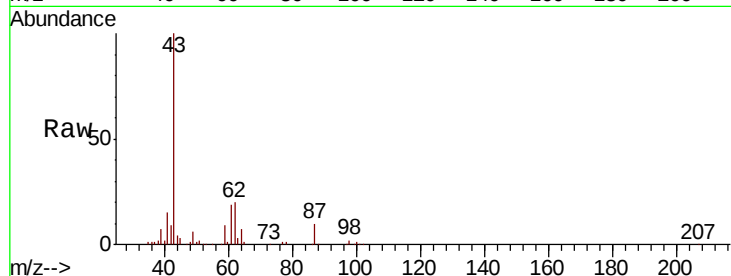
Tot Ion: 43 Resp: 83216

Ion Ratio Lower Upper

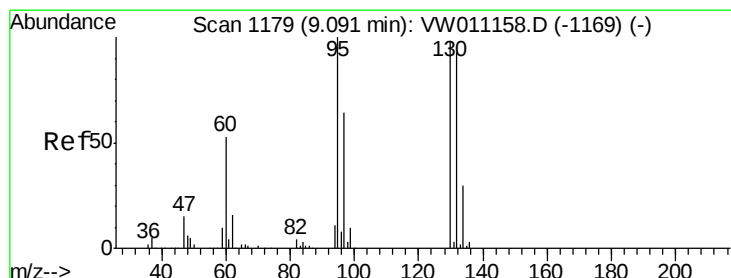
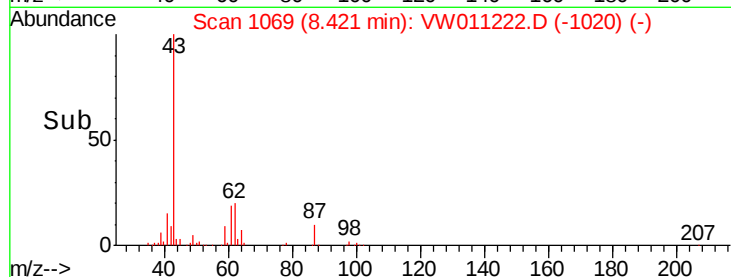
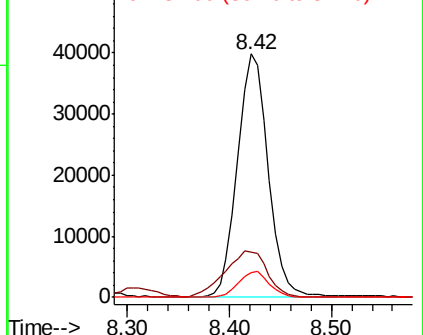
43 100

61 26.1 20.7 31.1

87 10.6 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 19.480 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011222.D

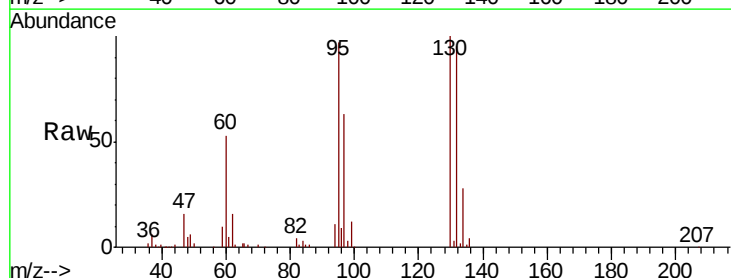
Acq: 11 Jul 2019 12:02

Tgt Ion: 130 Resp: 49782

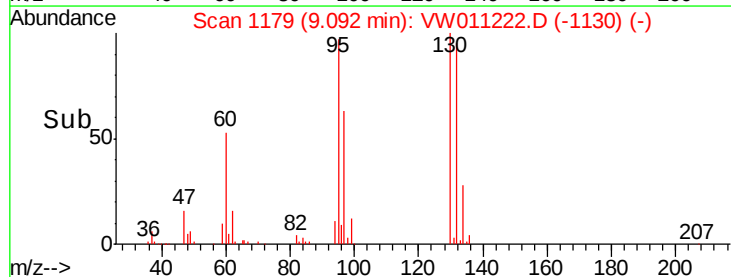
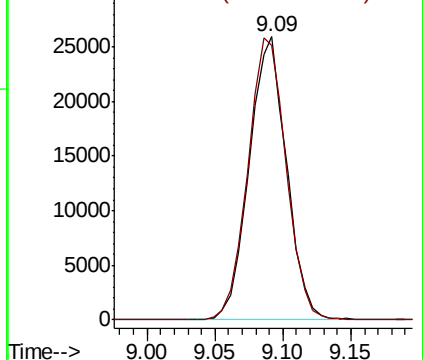
Ion Ratio Lower Upper

130 100

95 96.7 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

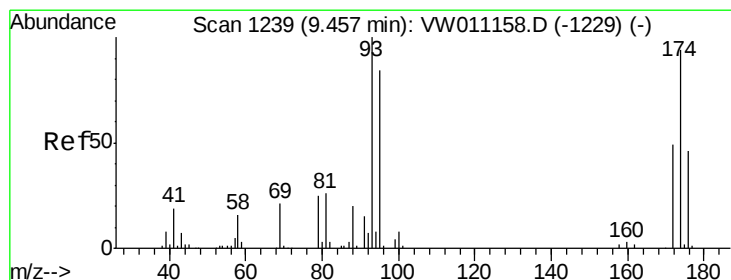
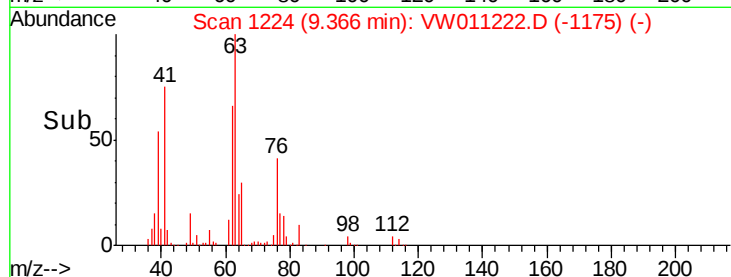
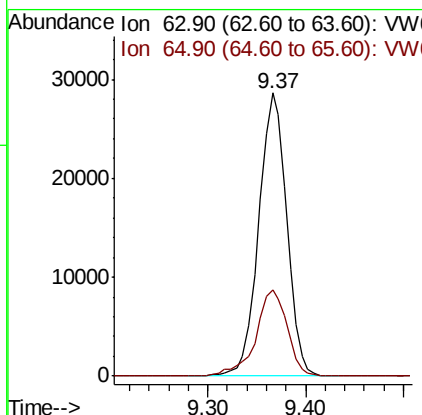
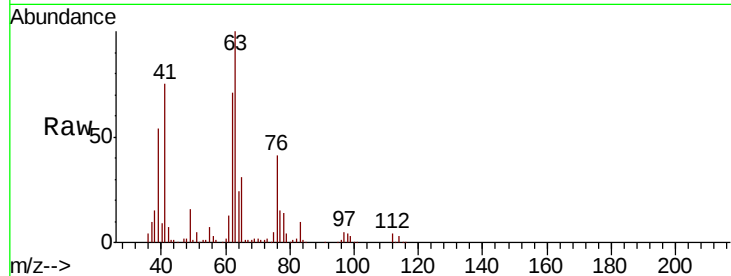




#45
 1,2-Dichloropropane
 Concen: 19.731 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011222.D
 Acq: 11 Jul 2019 12:02

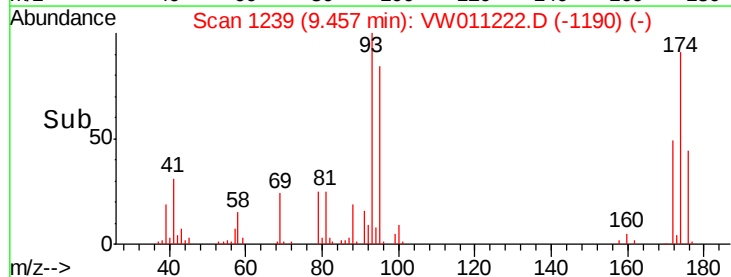
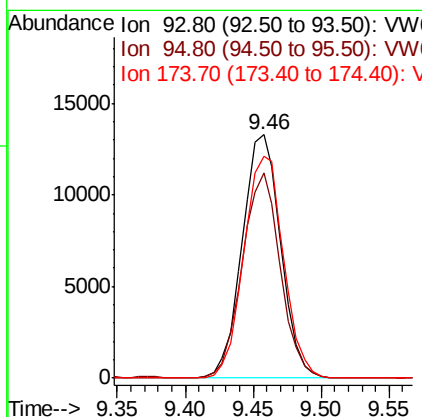
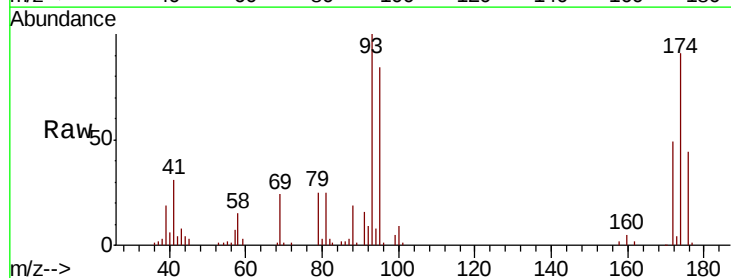
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBSD01

Tot Ion: 63 Resp: 56742
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.4 36.6



#46
 Dibromomethane
 Concen: 19.525 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011222.D
 Acq: 11 Jul 2019 12:02

Tgt Ion: 93 Resp: 26377
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.2 100.8
 174 93.4 76.3 114.5

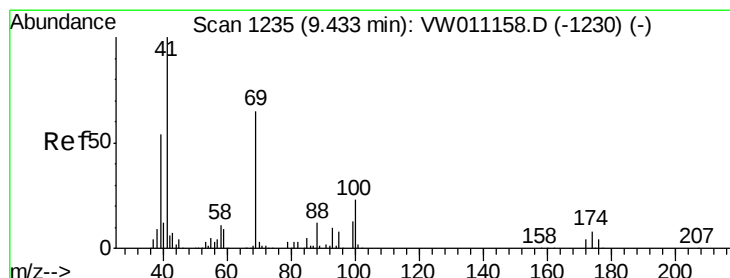
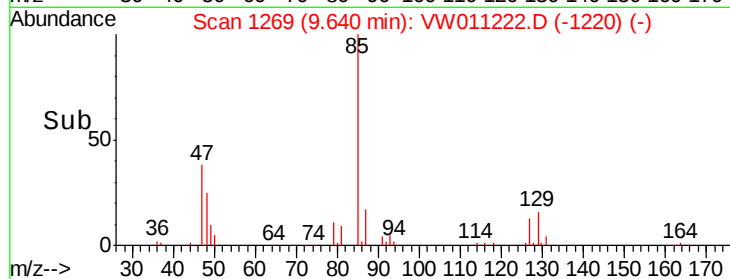
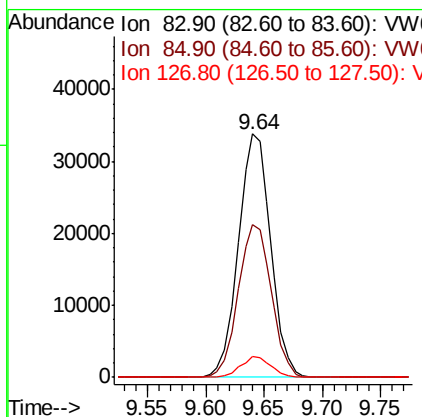
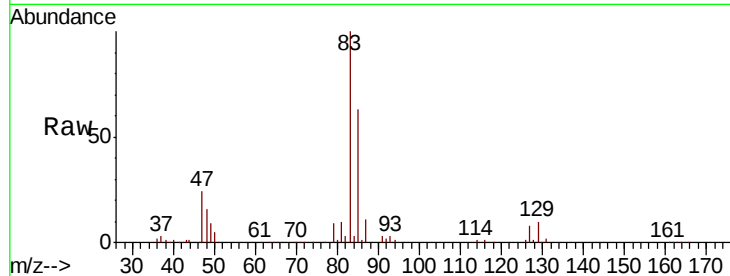




#47
 Bromodichloromethane
 Concen: 18.905 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW011222.D
 Acq: 11 Jul 2019 12:02

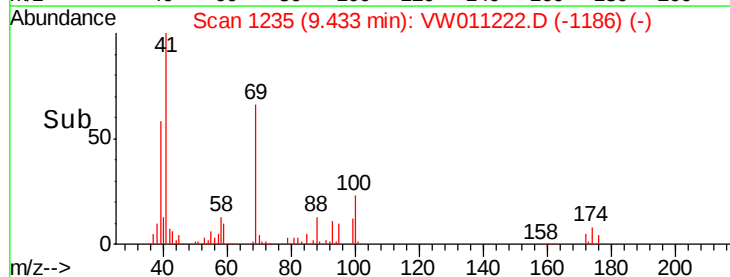
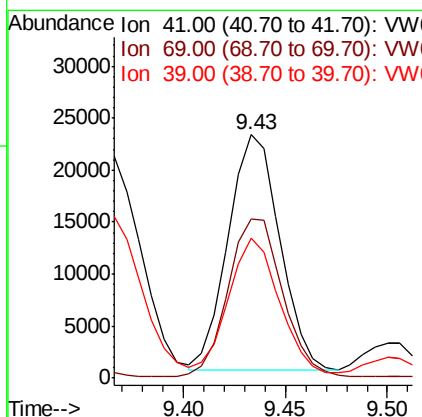
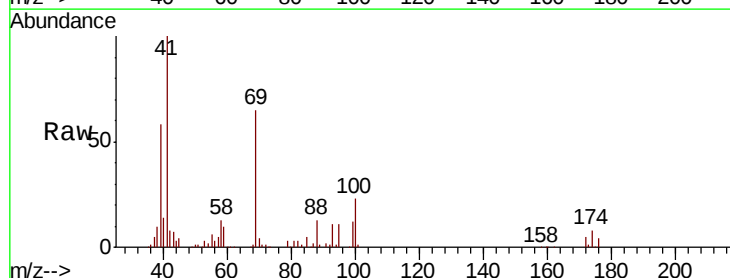
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBSD01

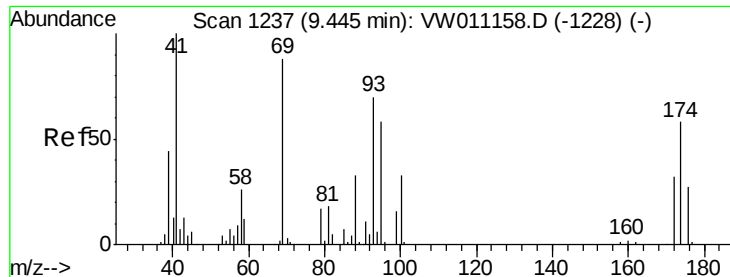
Tot Ion: 83 Resp: 65347
 Ion Ratio Lower Upper
 83 100
 85 62.7 51.0 76.4
 127 8.3 6.0 9.0



#48
 Methyl methacrylate
 Concen: 18.990 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW011222.D
 Acq: 11 Jul 2019 12:02

Tgt Ion: 41 Resp: 39824
 Ion Ratio Lower Upper
 41 100
 69 73.5 56.0 84.0
 39 55.2 43.5 65.3





#49

1,4-Dioxane

Concen: 413.007 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBSD01

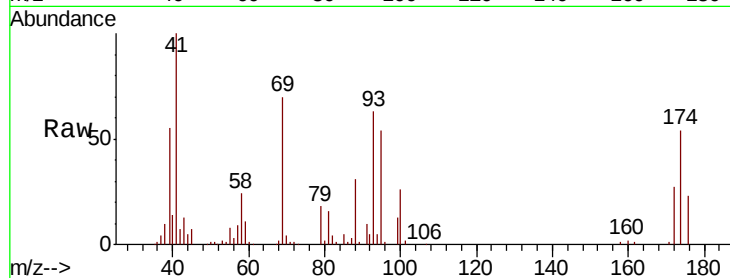
Tot Ion: 88 Resp: 9313

Ion Ratio Lower Upper

88 100

43 41.3 33.4 50.0

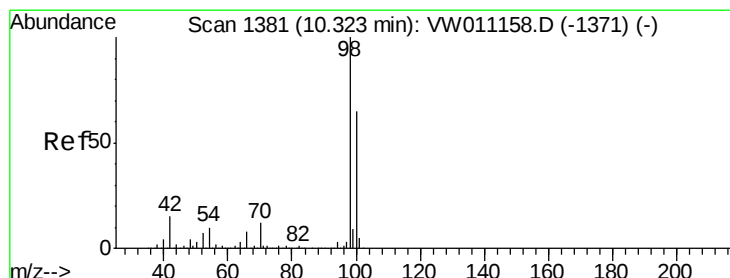
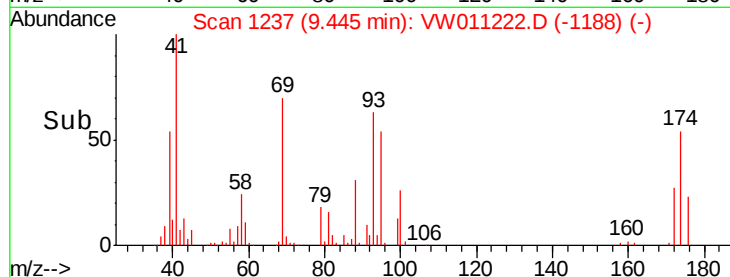
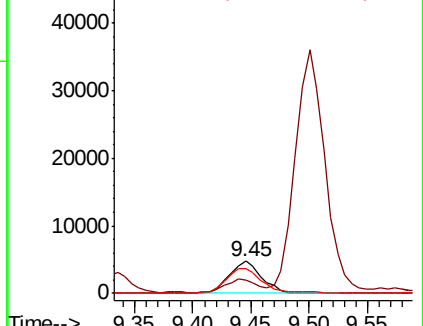
58 85.7 64.5 96.7



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: 47.303 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011222.D

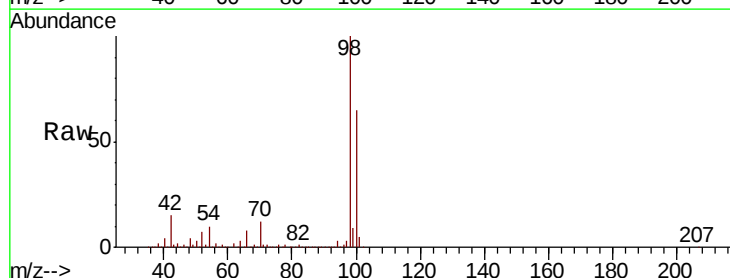
Acq: 11 Jul 2019 12:02

Tgt Ion: 98 Resp: 411256

Ion Ratio Lower Upper

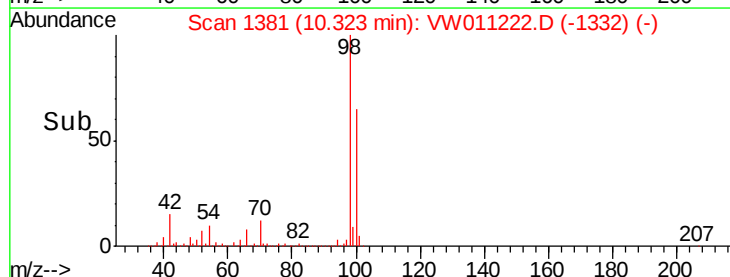
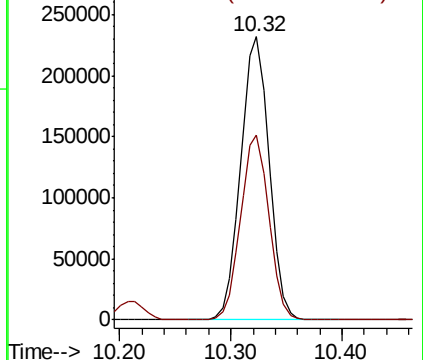
98 100

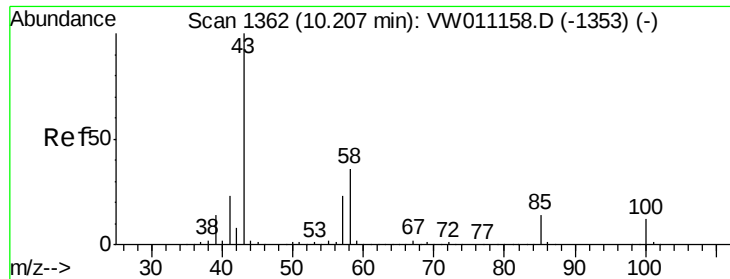
100 64.9 52.4 78.6



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: 97.415 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

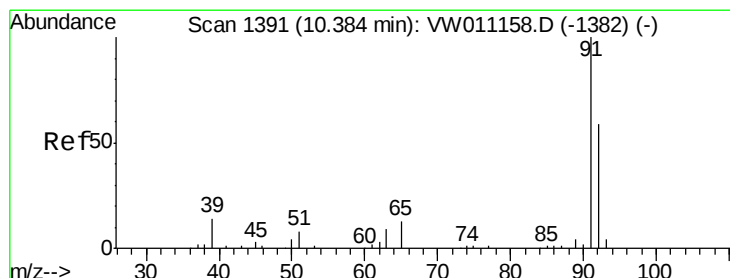
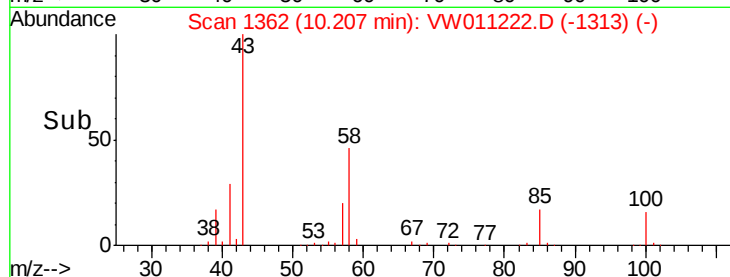
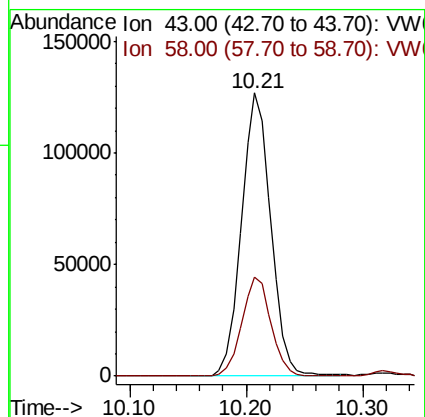
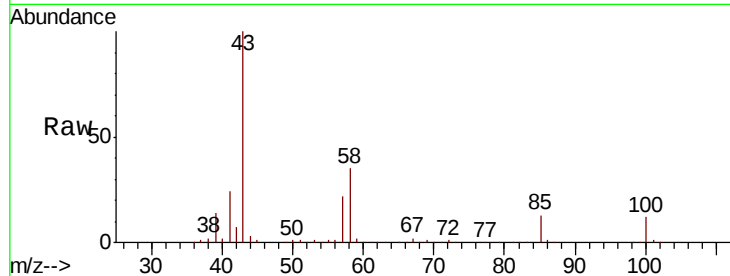
VW0712SBSD01

Tot Ion: 43 Resp: 221819

Ion Ratio Lower Upper

43 100

58 34.9 28.2 42.2



#52

Toluene

Concen: 19.811 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011222.D

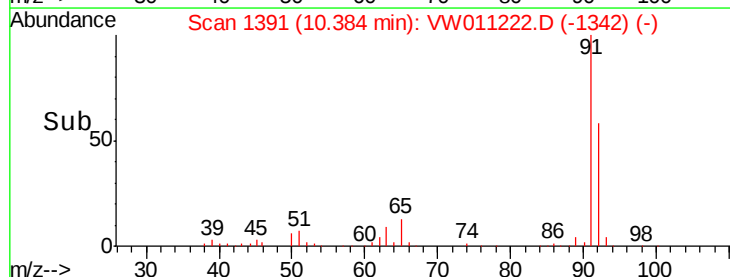
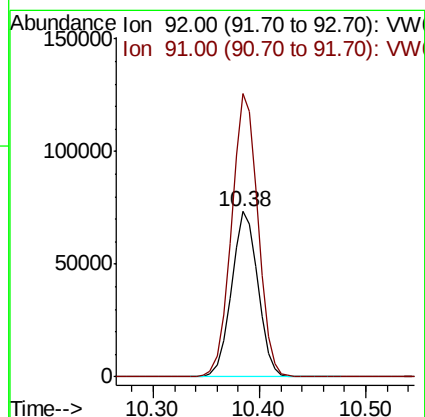
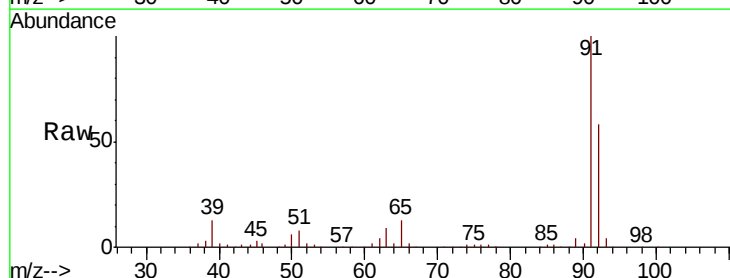
Acq: 11 Jul 2019 12:02

Tgt Ion: 92 Resp: 127626

Ion Ratio Lower Upper

92 100

91 171.3 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 18.506 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

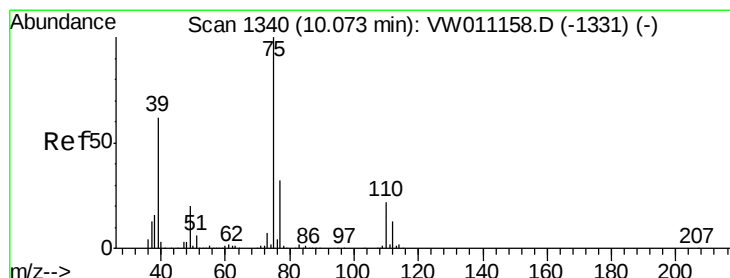
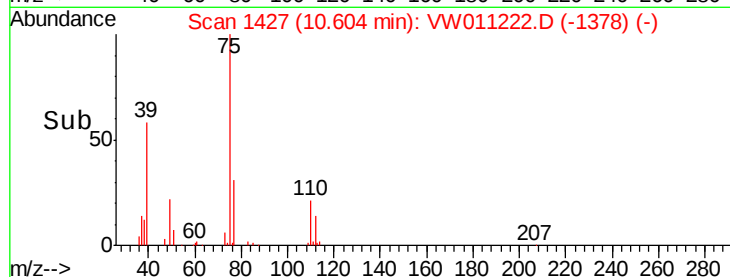
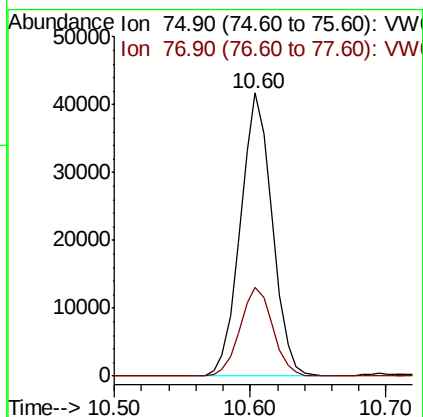
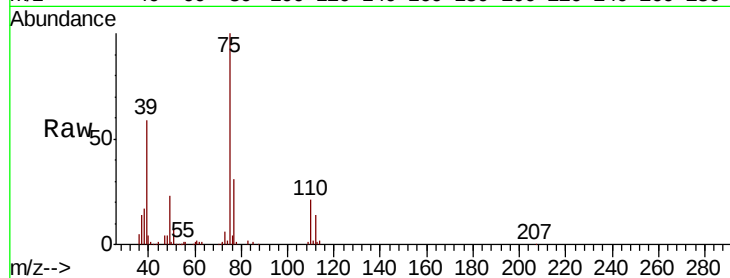
VW0712SBSD01

Tot Ion: 75 Resp: 68089

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 18.798 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

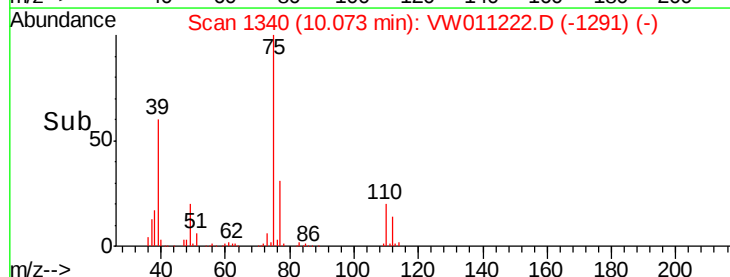
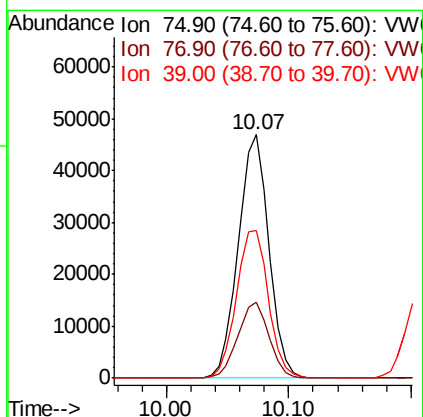
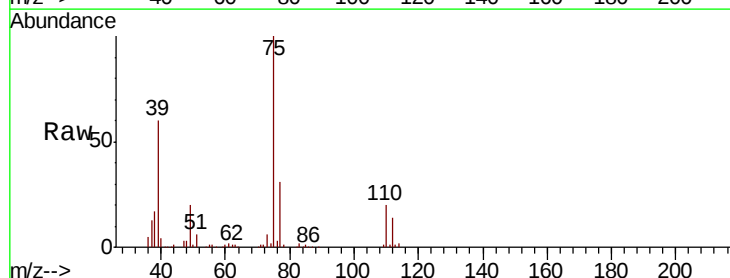
Tgt Ion: 75 Resp: 81409

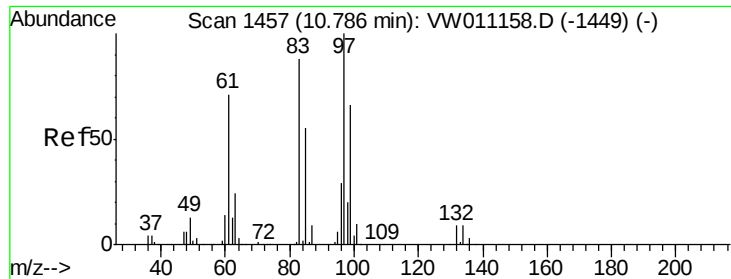
Ion Ratio Lower Upper

75 100

77 31.1 25.7 38.5

39 60.3 49.8 74.8



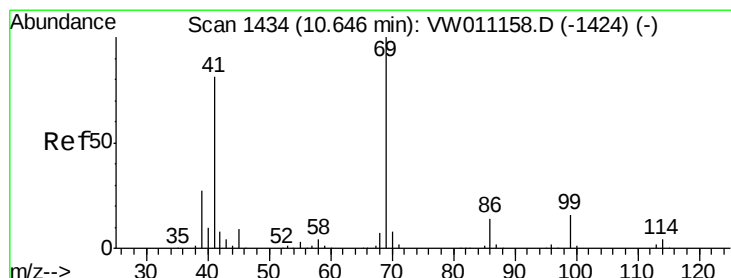
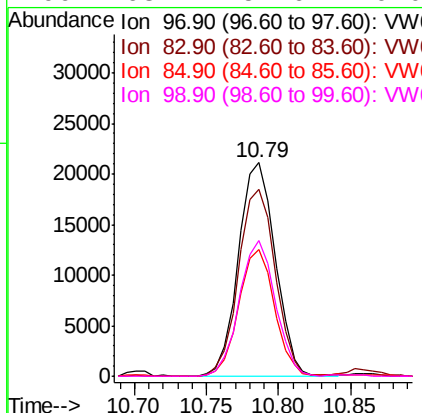
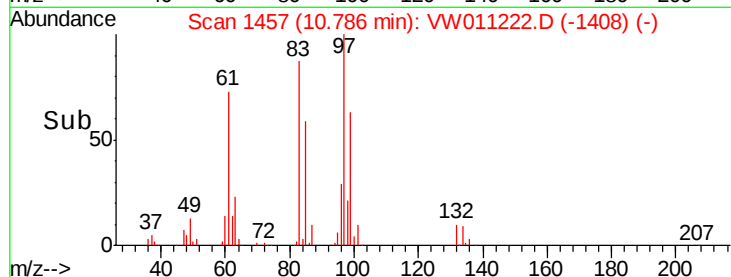
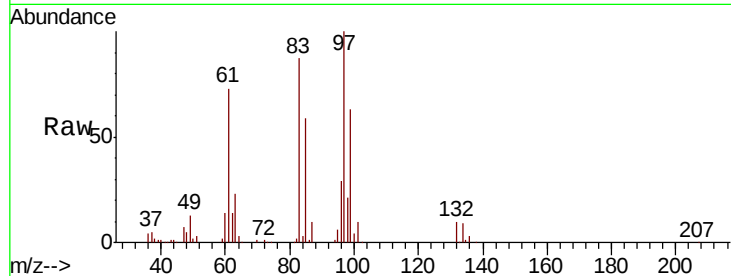


#55
 1,1,2-Trichloroethane
 Concen: 19.633 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011222.D
 Acq: 11 Jul 2019 12:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBSD01

Tot Ion: 97 Resp: 37627

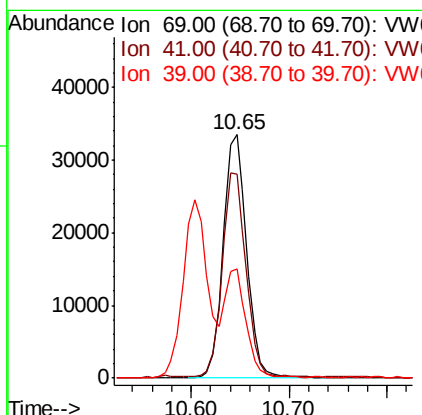
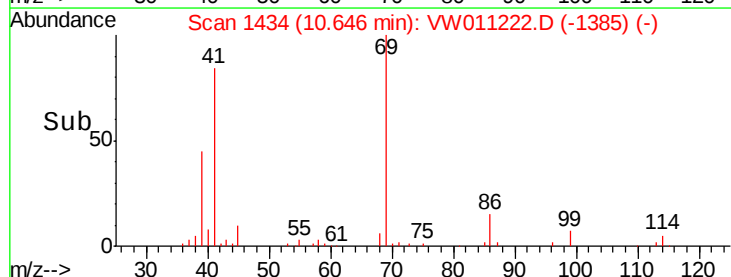
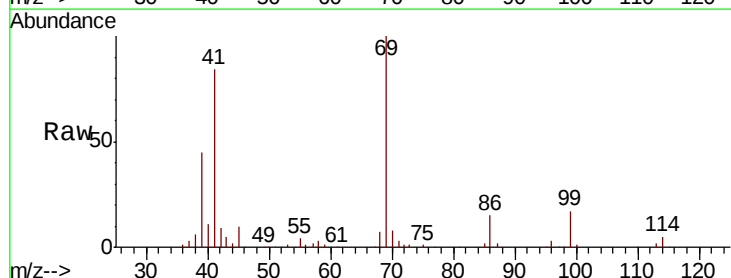
Ion	Ratio	Lower	Upper
97	100		
83	87.4	70.2	105.4
85	59.2	44.2	66.2
99	63.4	52.6	79.0

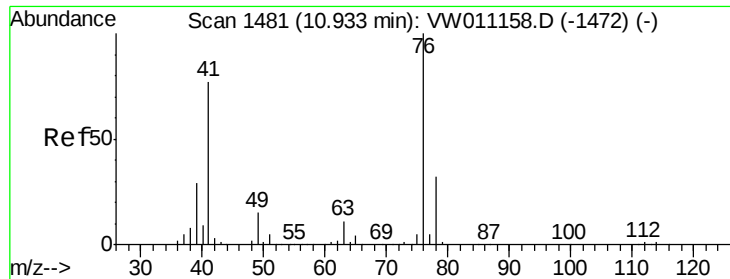


#56
 Ethyl methacrylate
 Concen: 19.131 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011222.D
 Acq: 11 Jul 2019 12:02

Tgt Ion: 69 Resp: 55820

Ion	Ratio	Lower	Upper
69	100		
41	84.6	66.5	99.7
39	39.8	32.5	48.7





#57

1,3-Dichloropropane

Concen: 19.761 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

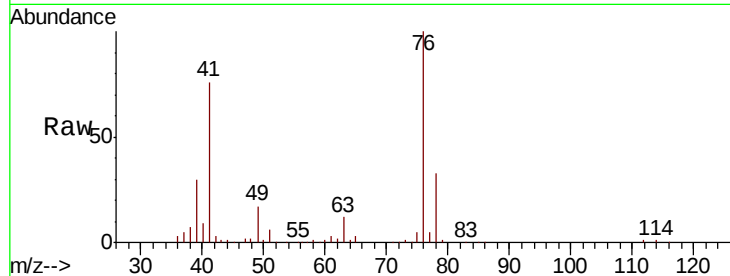
VW0712SBSD01

Tot Ion: 76 Resp: 71614

Ion Ratio Lower Upper

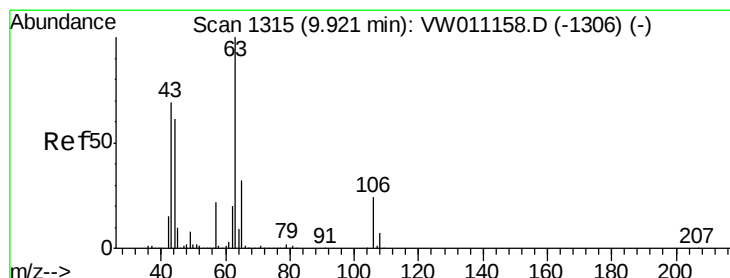
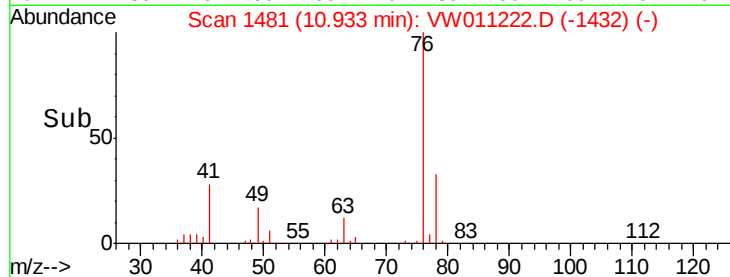
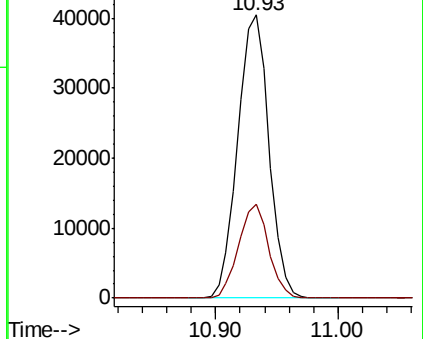
76 100

78 32.0 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 100.950 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW011222.D

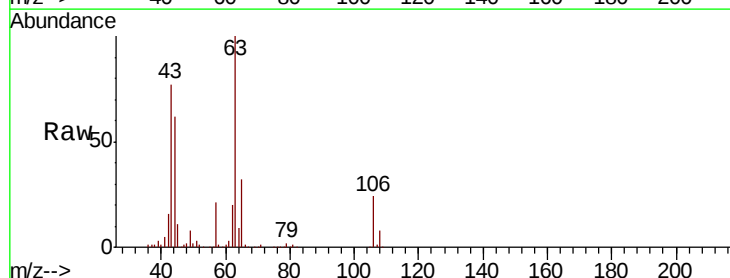
Acq: 11 Jul 2019 12:02

Tgt Ion: 63 Resp: 136555

Ion Ratio Lower Upper

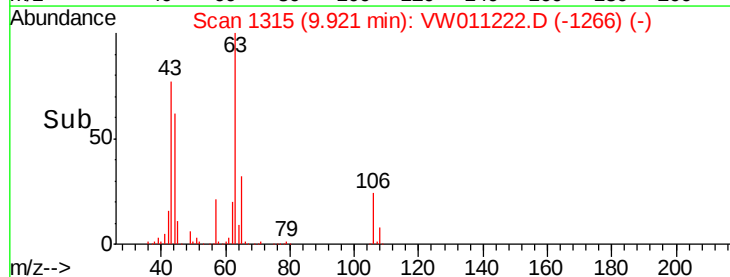
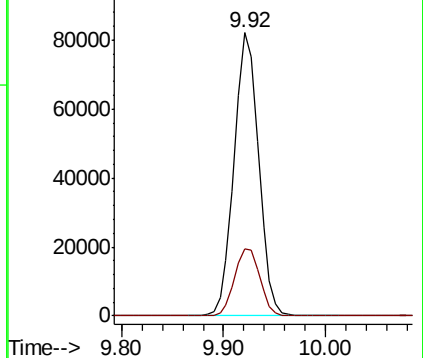
63 100

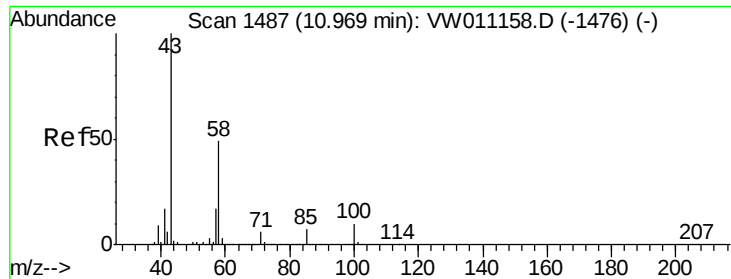
106 24.4 19.4 29.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

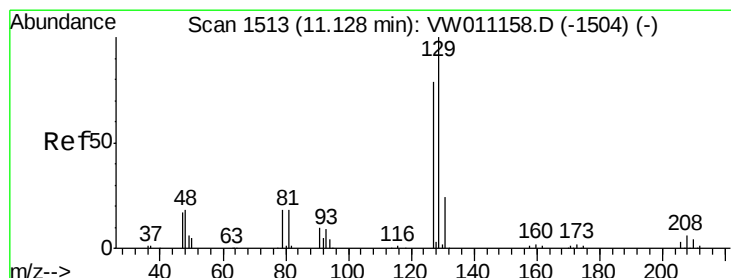
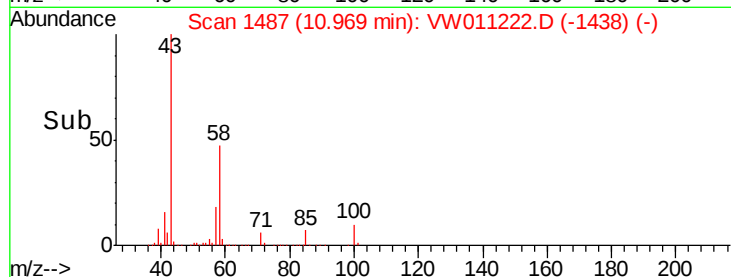
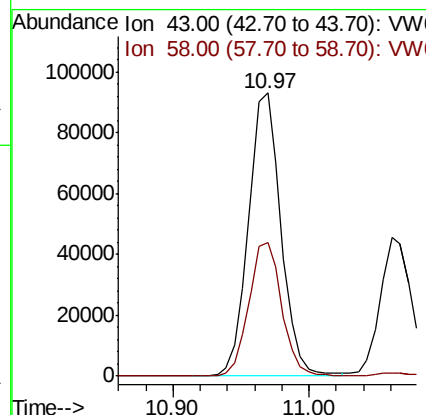
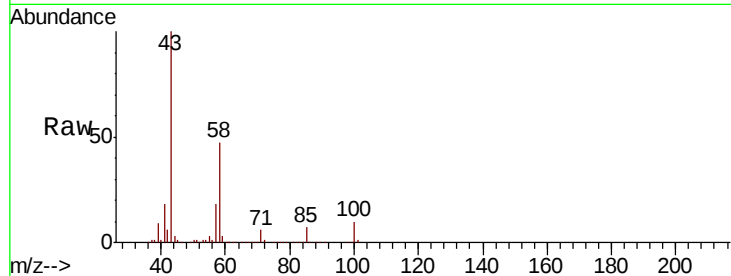




#59
2-Hexanone
Concen: 98.628 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

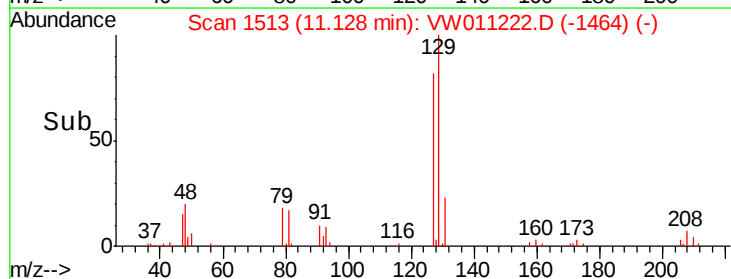
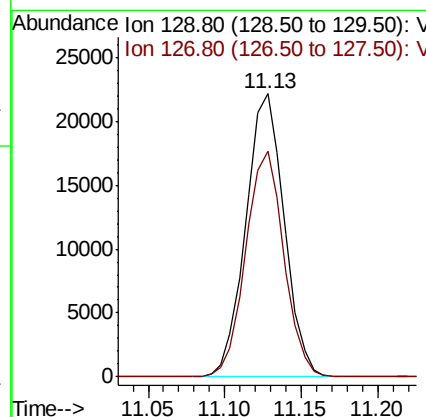
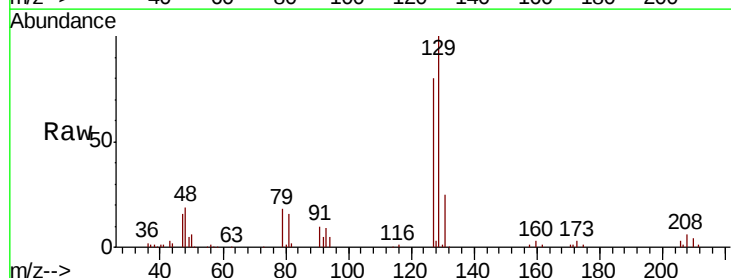
Instrument :
MSVOA_W
ClientSampleId :
VW0712SBSD01

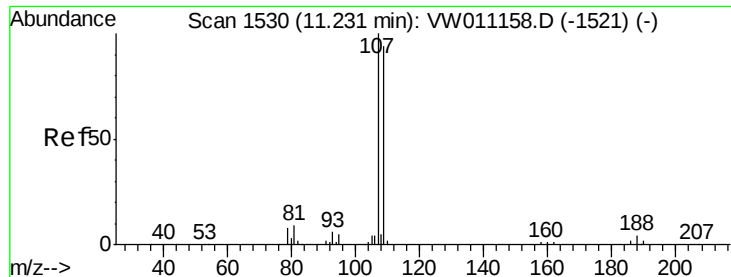
Tot Ion: 43 Resp: 155747
Ion Ratio Lower Upper
43 100
58 48.0 24.4 73.4



#60
Dibromochloromethane
Concen: 18.456 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

Tgt Ion: 129 Resp: 38787
Ion Ratio Lower Upper
129 100
127 78.8 39.1 117.3





#61

1,2-Dibromoethane

Concen: 19.721 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

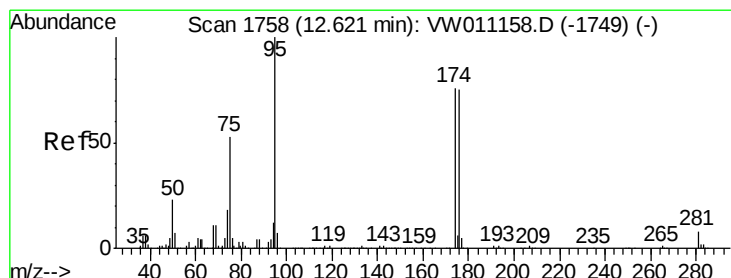
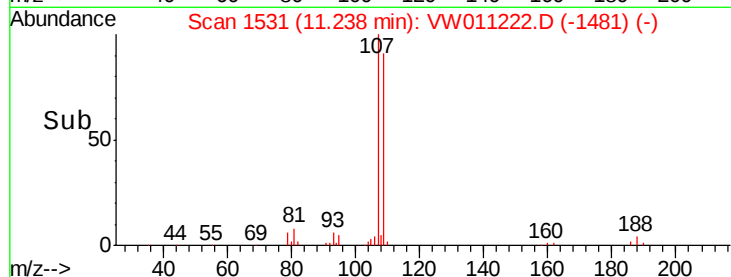
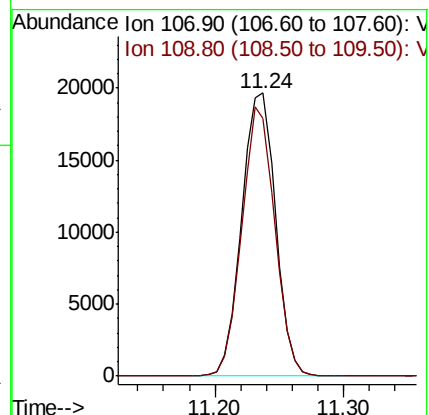
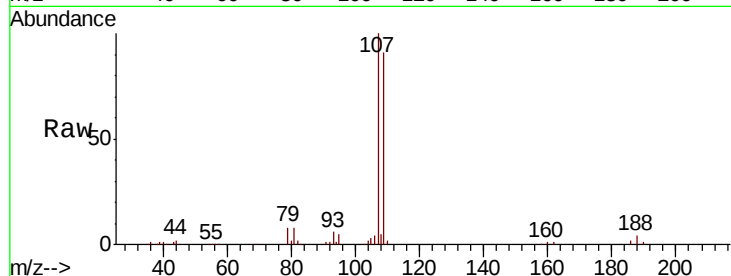
VW0712SBSD01

Tot Ion:107 Resp: 35801

Ion Ratio Lower Upper

107 100

109 92.6 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 47.198 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

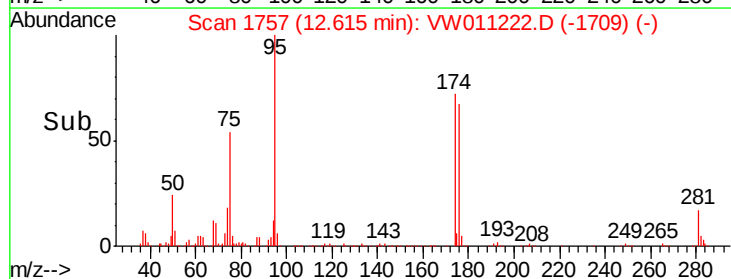
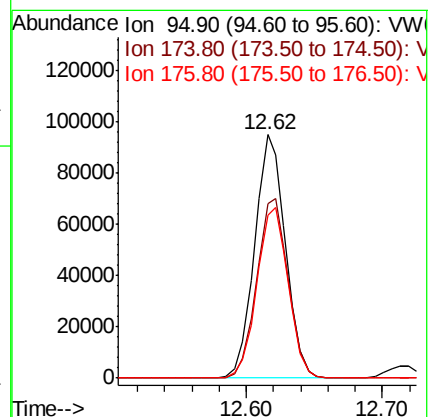
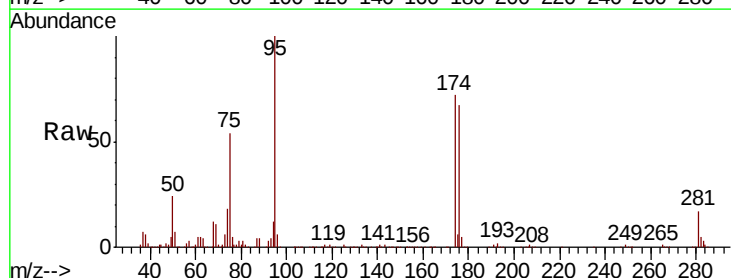
Tgt Ion: 95 Resp: 150406

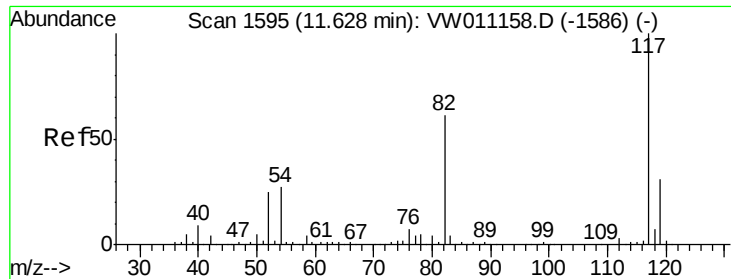
Ion Ratio Lower Upper

95 100

174 75.2 0.0 147.6

176 71.6 0.0 144.6

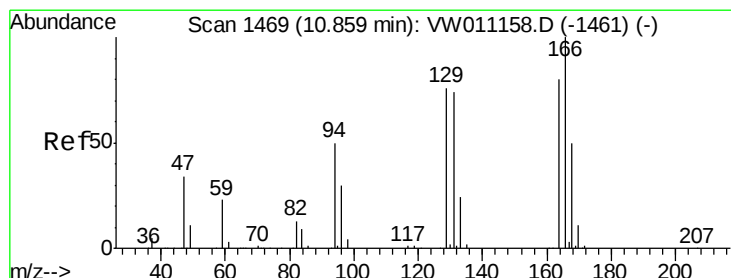
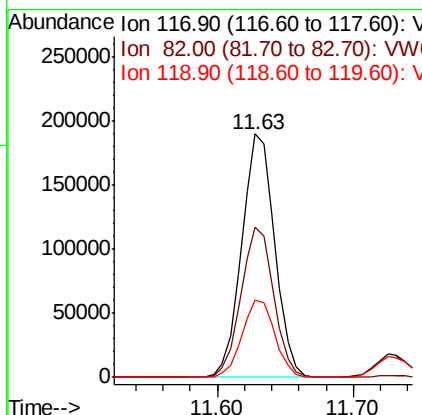
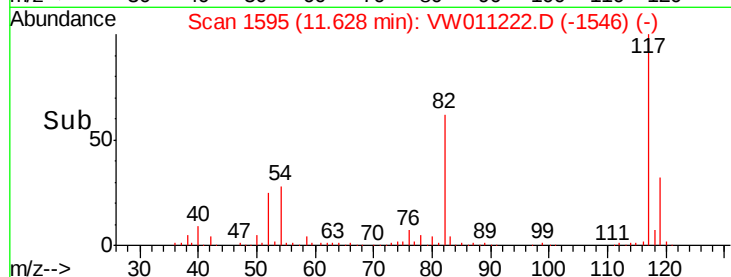
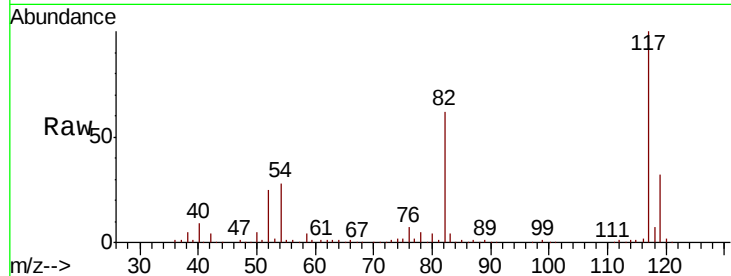




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

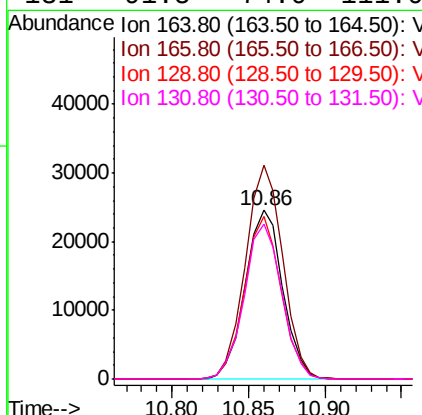
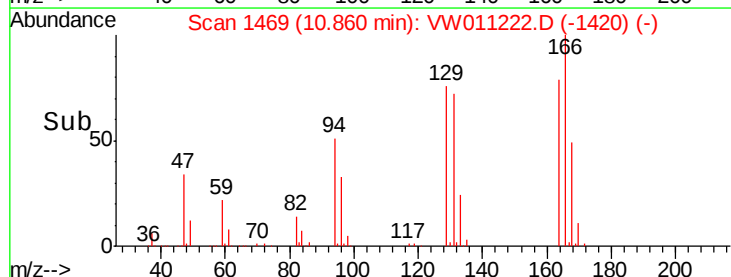
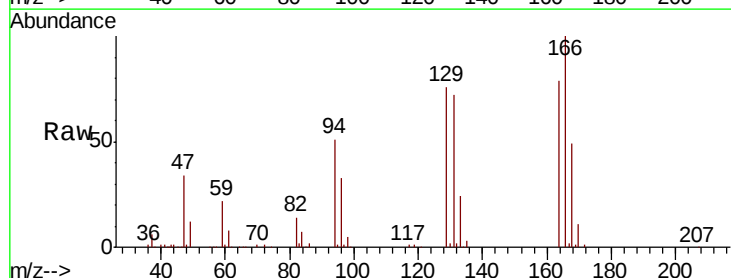
Instrument :
MSVOA_W
ClientSampleId :
VW0712SBSD01

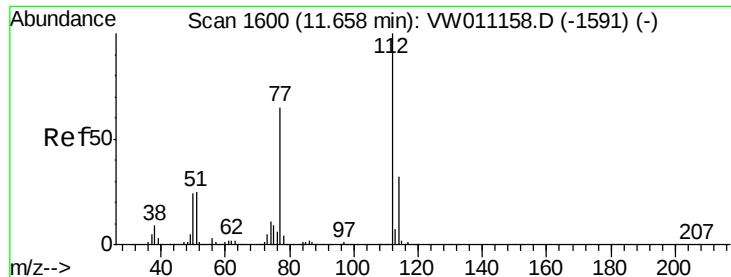
Tot Ion:117 Resp: 321344
Ion Ratio Lower Upper
117 100
82 61.6 48.9 73.3
119 31.8 25.0 37.6



#64
Tetrachloroethene
Concen: 19.355 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

Tgt Ion:164 Resp: 41969
Ion Ratio Lower Upper
164 100
166 126.6 99.7 149.5
129 96.6 76.2 114.2
131 91.5 74.0 111.0

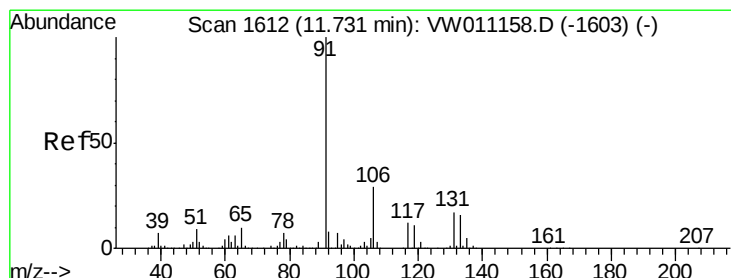
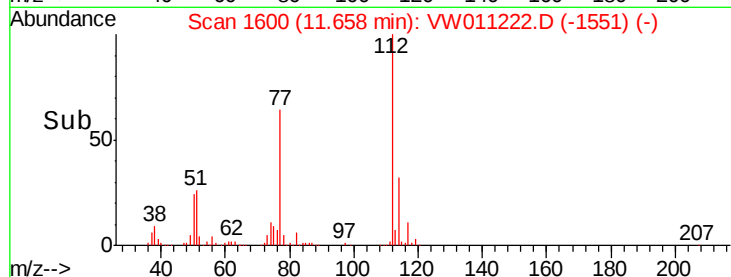
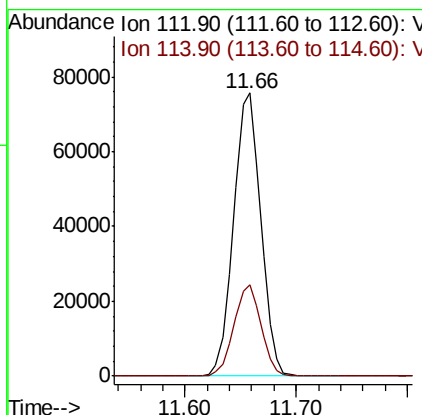
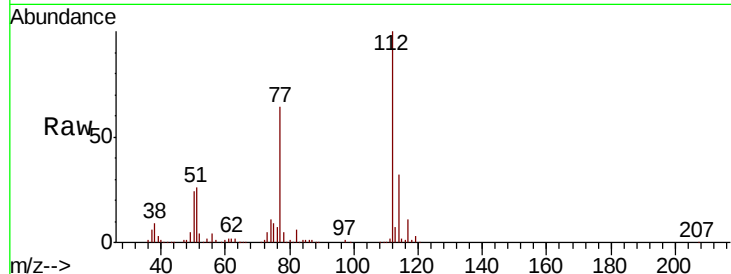




#65
Chlorobenzene
Concen: 19.533 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

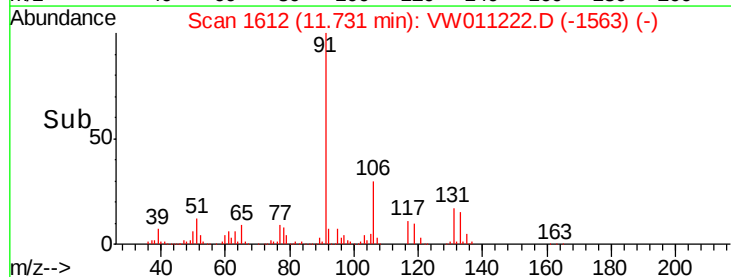
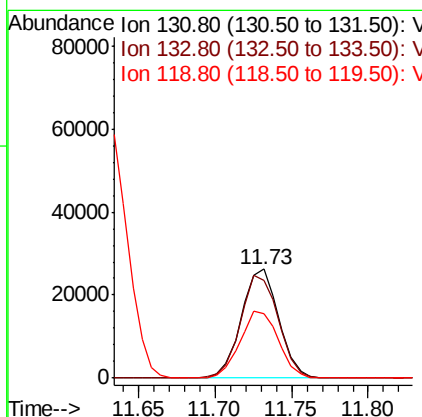
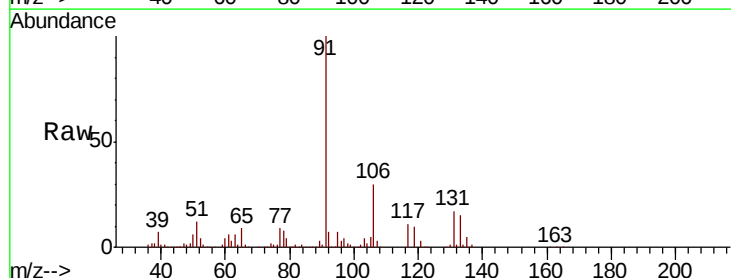
Instrument :
MSVOA_W
ClientSampleId :
VW0712SBSD01

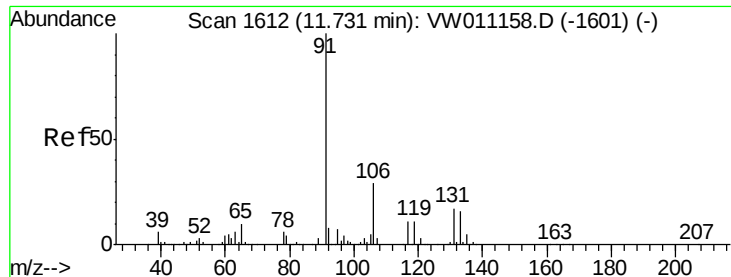
Tot Ion:112 Resp: 127612
Ion Ratio Lower Upper
112 100
114 32.3 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.361 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

Tgt Ion:131 Resp: 44538
Ion Ratio Lower Upper
131 100
133 95.2 47.9 143.8
119 63.2 33.1 99.2

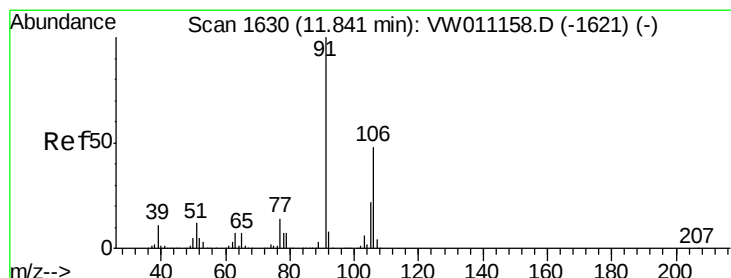
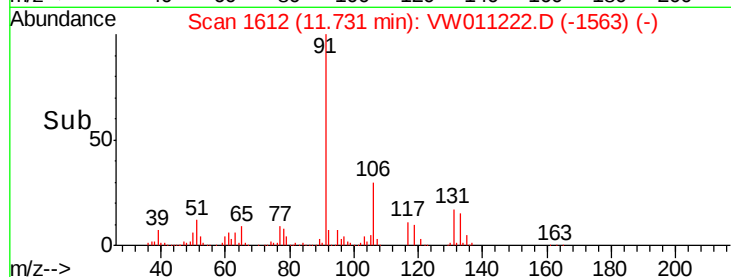
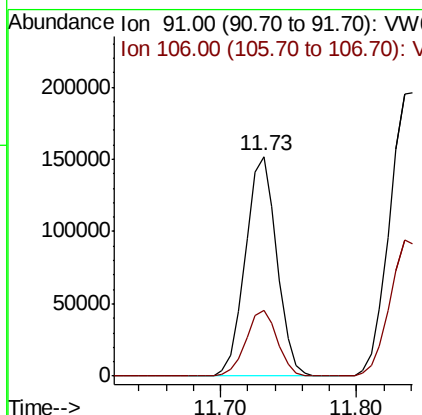
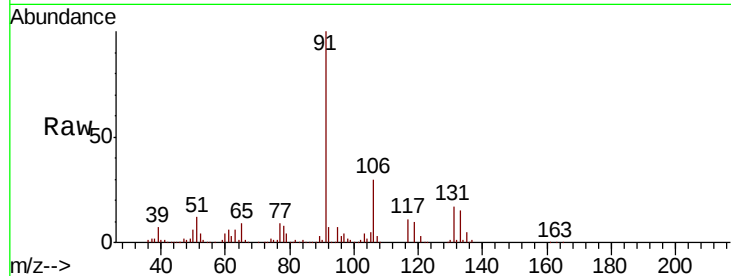




#67
Ethyl Benzene
Concen: 19.668 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

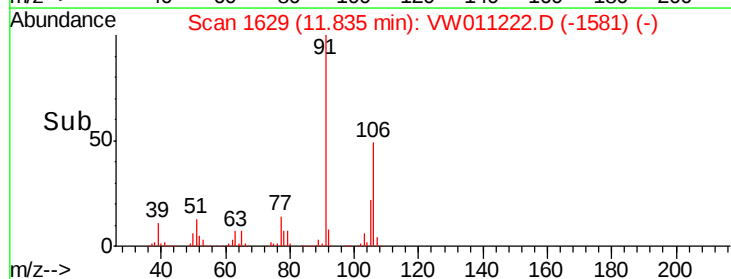
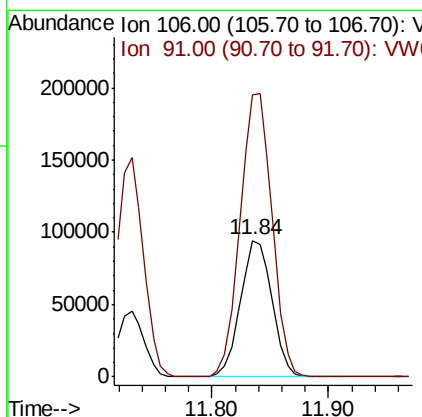
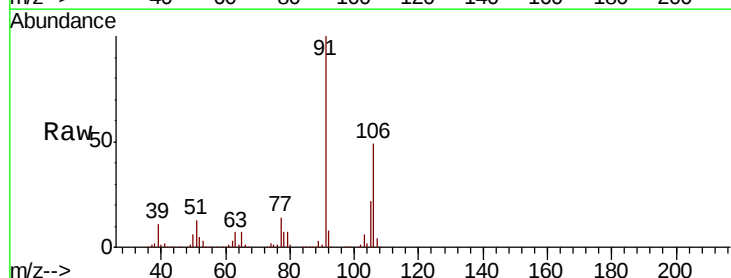
Instrument :
MSVOA_W
ClientSampleId :
VW0712SBSD01

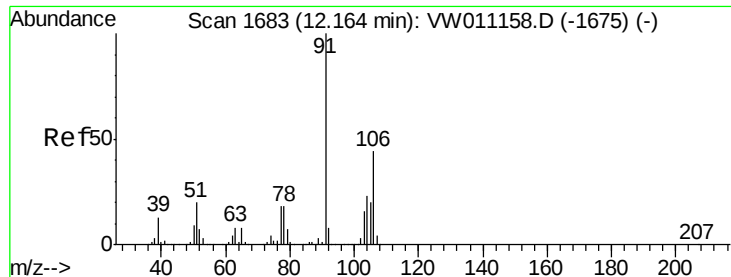
Tot Ion: 91 Resp: 245990
Ion Ratio Lower Upper
91 100
106 29.7 23.5 35.3



#68
m/p-Xylenes
Concen: 39.413 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

Tgt Ion: 106 Resp: 178367
Ion Ratio Lower Upper
106 100
91 210.0 167.7 251.5

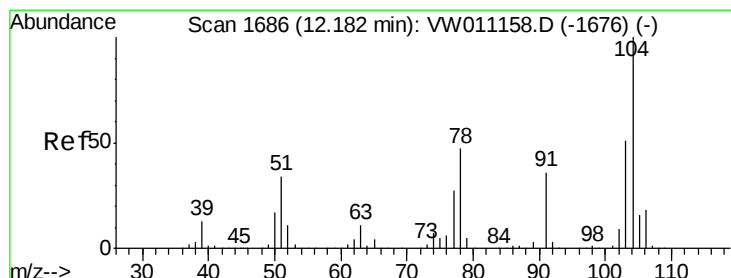
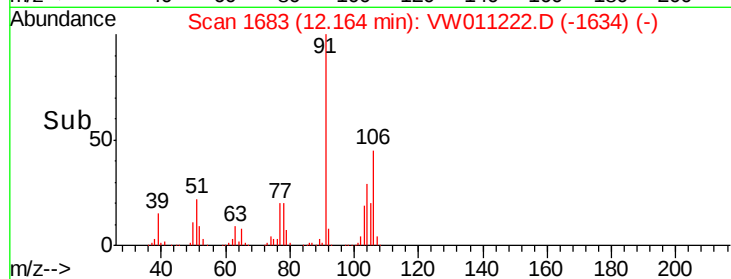
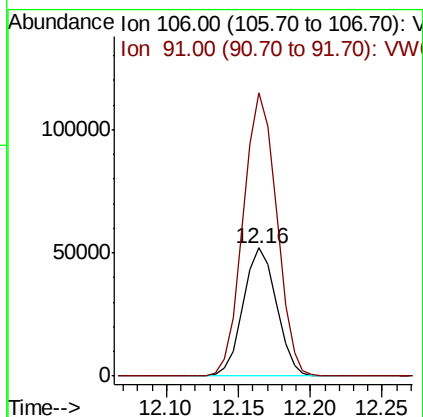
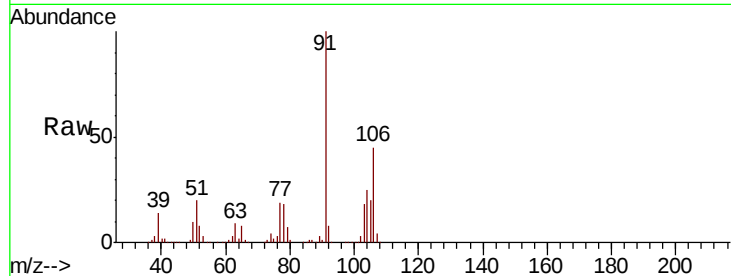




#69
o-Xylene
Concen: 19.576 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

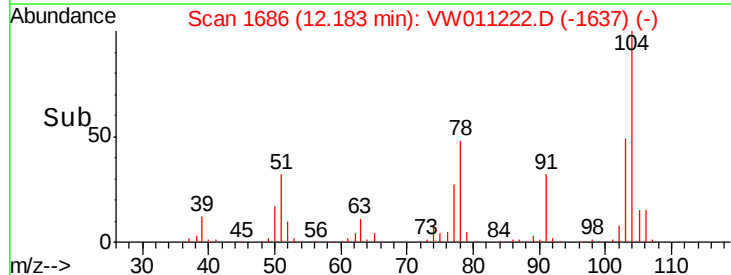
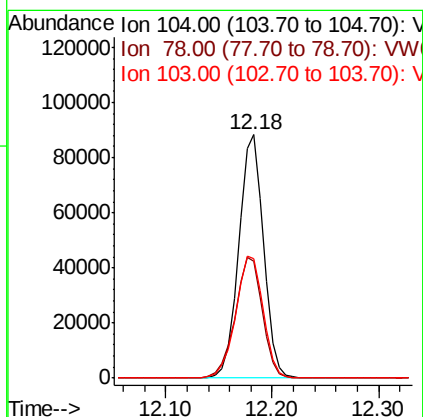
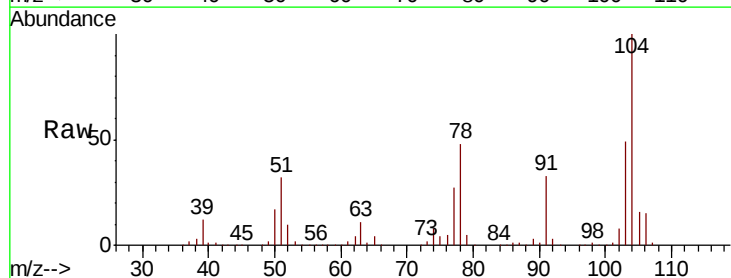
Instrument :
MSVOA_W
ClientSampleId :
VW0712SBSD01

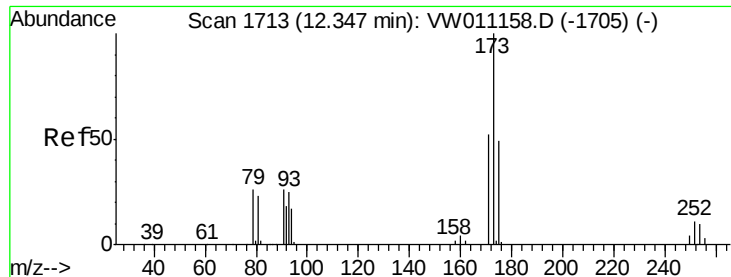
Tot Ion:106 Resp: 83499
Ion Ratio Lower Upper
106 100
91 221.9 110.7 332.1



#70
Styrene
Concen: 19.595 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

Tgt Ion:104 Resp: 144249
Ion Ratio Lower Upper
104 100
78 54.7 43.1 64.7
103 55.6 44.1 66.1

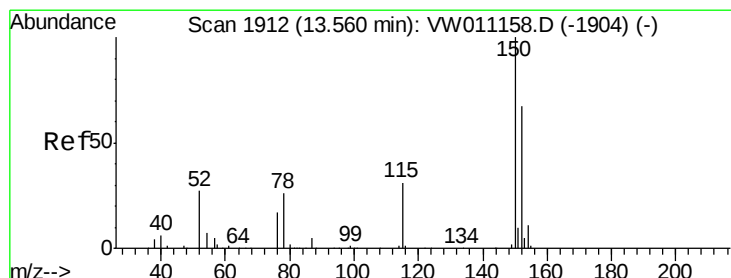
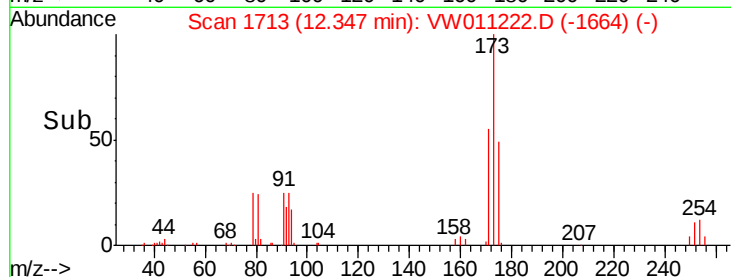
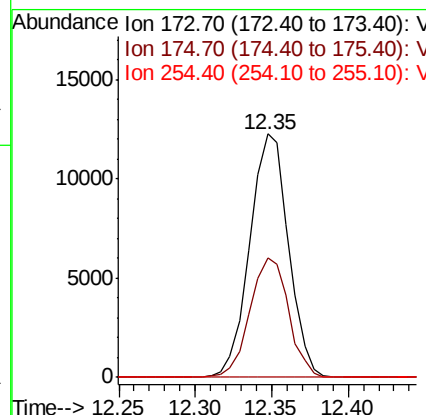
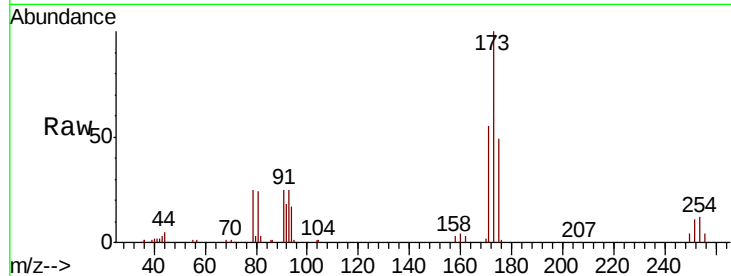




#71
Bromoform
Concen: 17.620 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

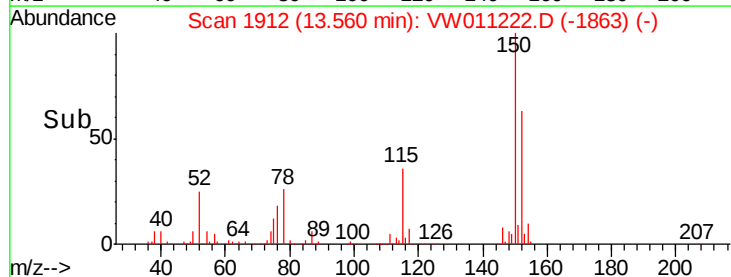
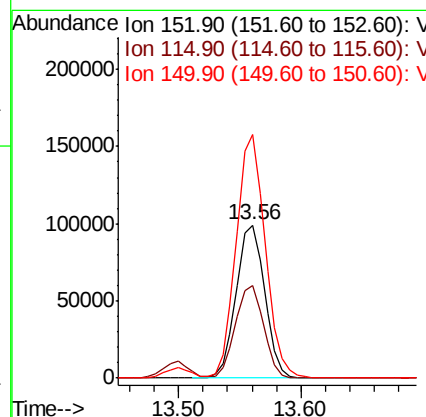
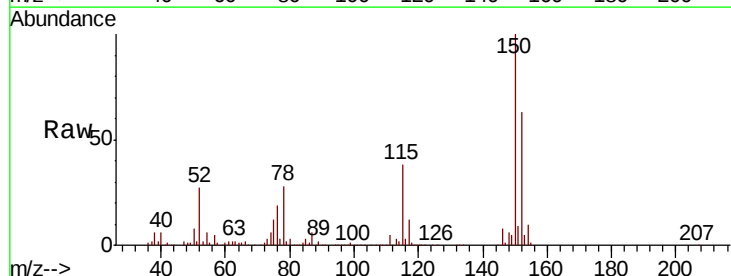
Instrument :
MSVOA_W
ClientSampleId :
VW0712SBSD01

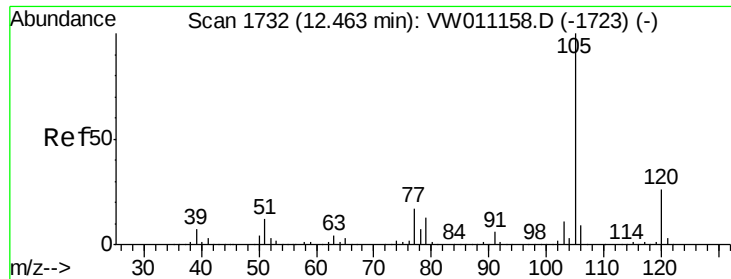
Tot Ion:173 Resp: 21551
Ion Ratio Lower Upper
173 100
175 48.9 24.8 74.3
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

Tgt Ion:152 Resp: 159610
Ion Ratio Lower Upper
152 100
115 60.0 30.1 90.3
150 162.3 0.0 346.0





#73

Isopropylbenzene

Concen: 19.509 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

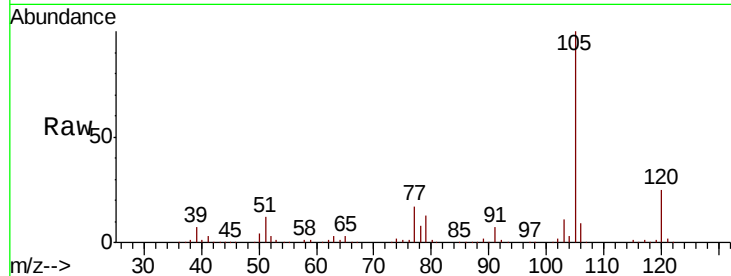
VW0712SBSD01

Tot Ion:105 Resp: 232765

Ion Ratio Lower Upper

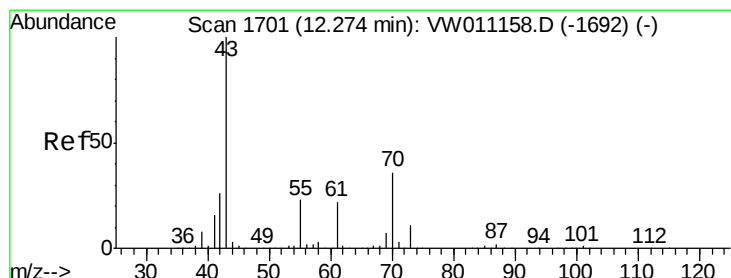
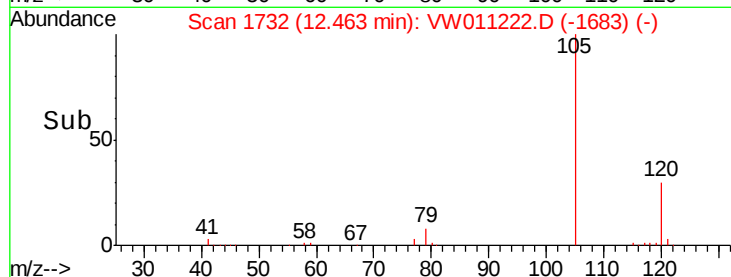
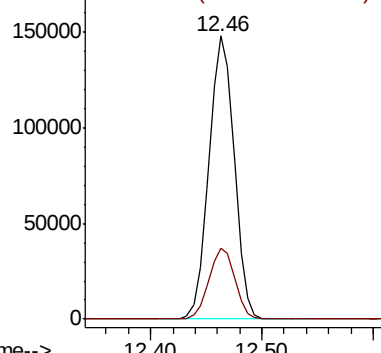
105 100

120 25.5 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: 19.273 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Tgt Ion: 43 Resp: 80087

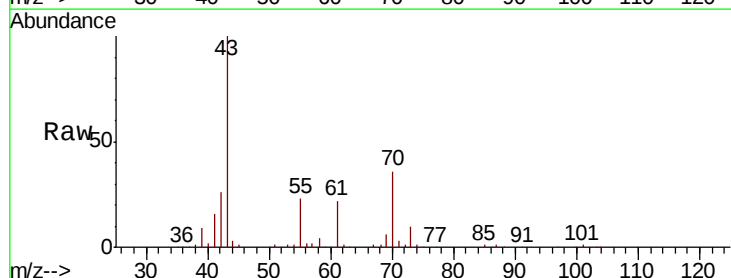
Ion Ratio Lower Upper

43 100

70 35.6 28.5 42.7

55 23.3 18.1 27.1

61 21.4 17.2 25.8

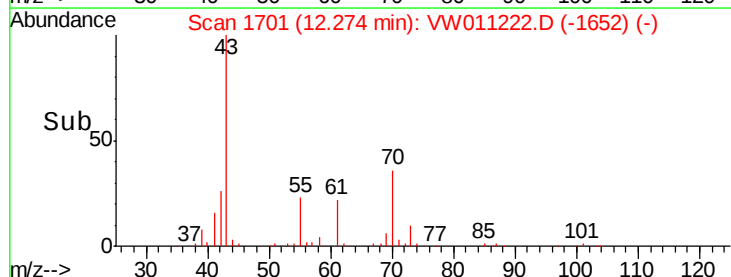
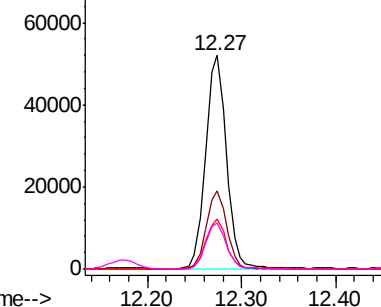


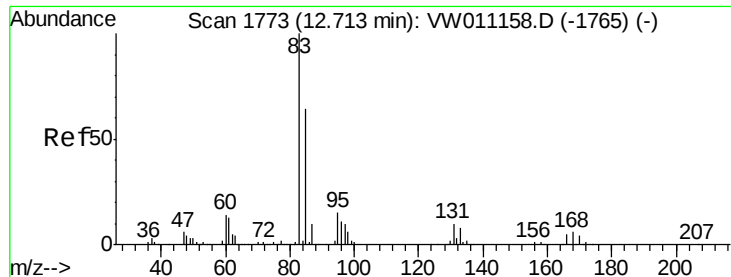
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 19.138 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBSD01

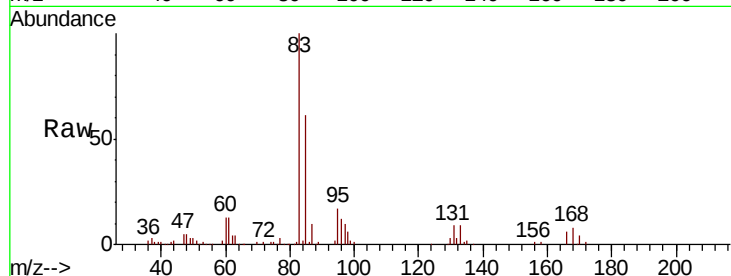
Tot Ion: 83 Resp: 46808

Ion Ratio Lower Upper

83 100

131 10.0 5.0 15.0

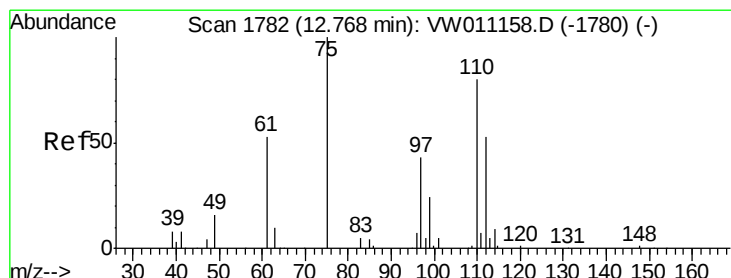
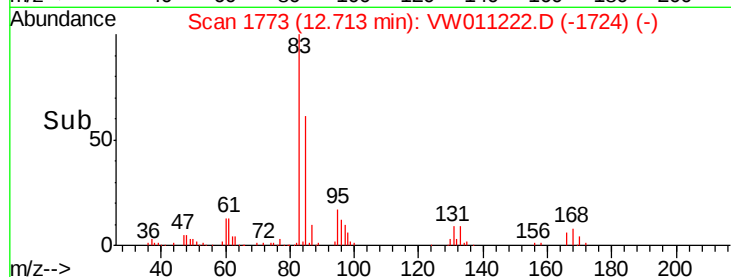
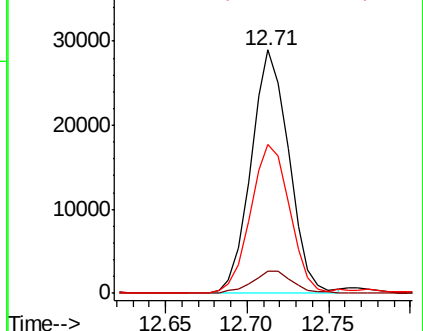
85 63.2 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 32.486 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011222.D

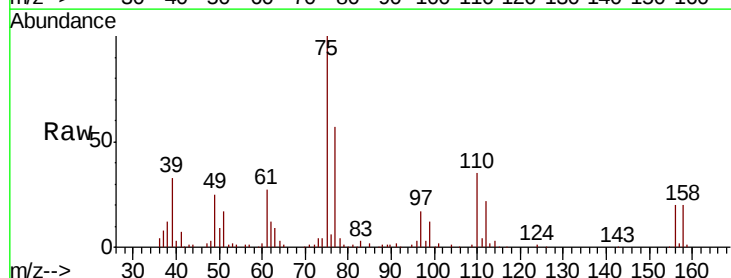
Acq: 11 Jul 2019 12:02

Tgt Ion: 75 Resp: 59920

Ion Ratio Lower Upper

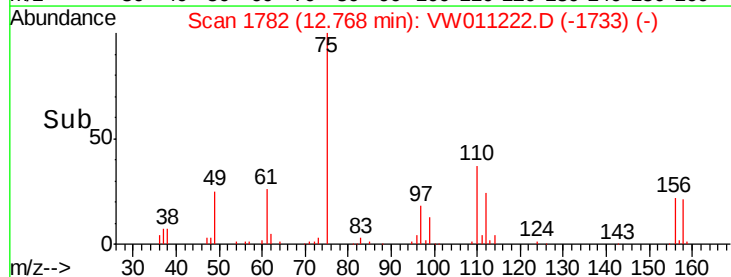
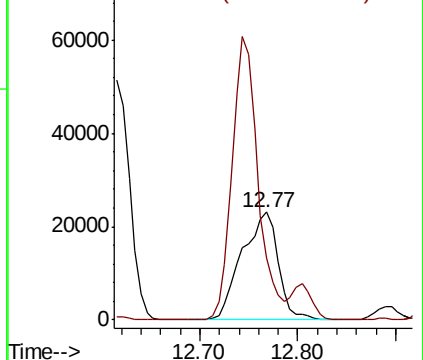
75 100

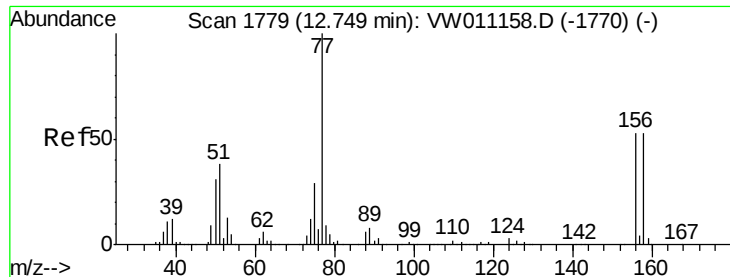
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.300 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBSD01

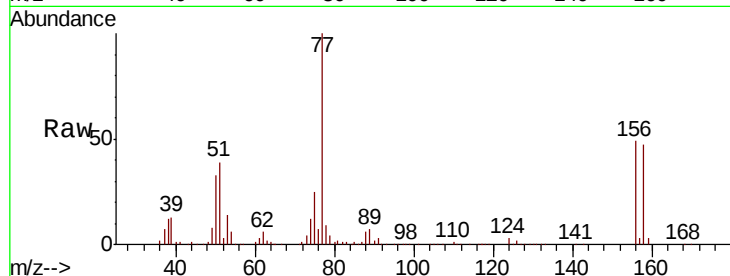
Tot Ion:156 Resp: 51679

Ion Ratio Lower Upper

156 100

77 216.5 109.0 327.0

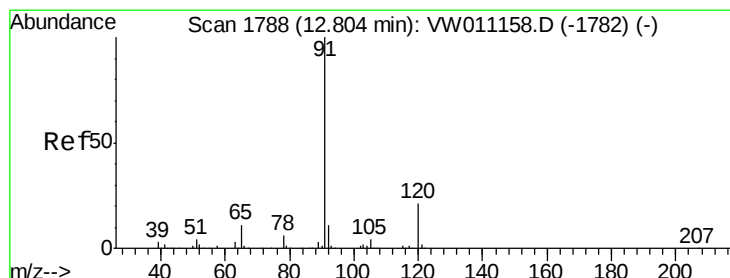
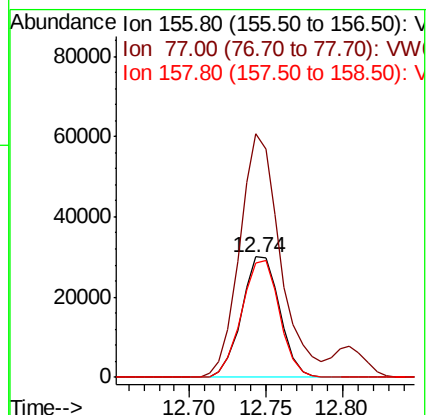
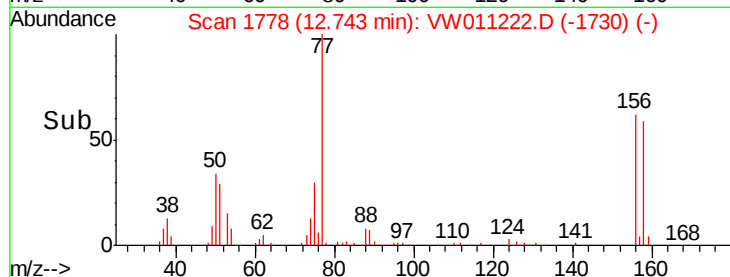
158 97.3 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.563 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011222.D

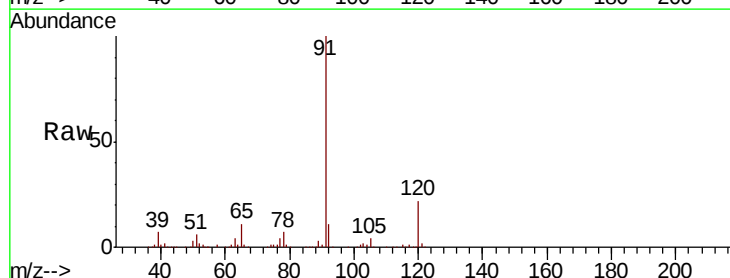
Acq: 11 Jul 2019 12:02

Tgt Ion: 91 Resp: 287535

Ion Ratio Lower Upper

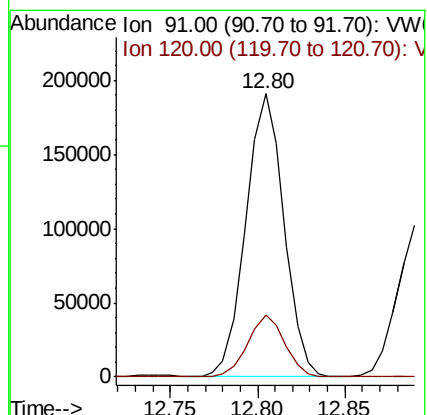
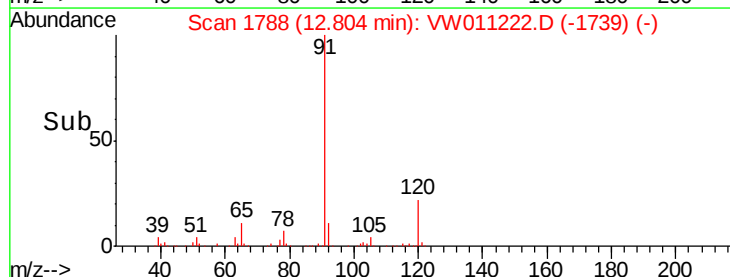
91 100

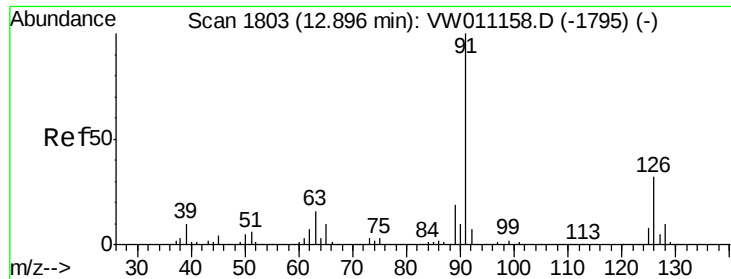
120 21.3 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.639 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

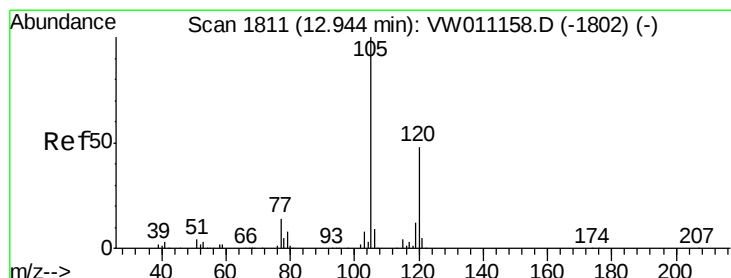
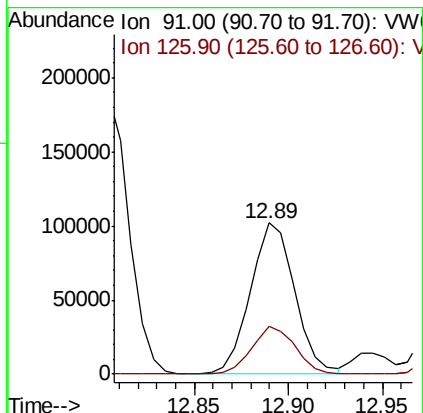
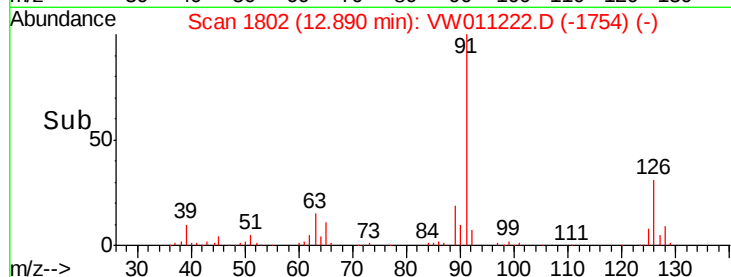
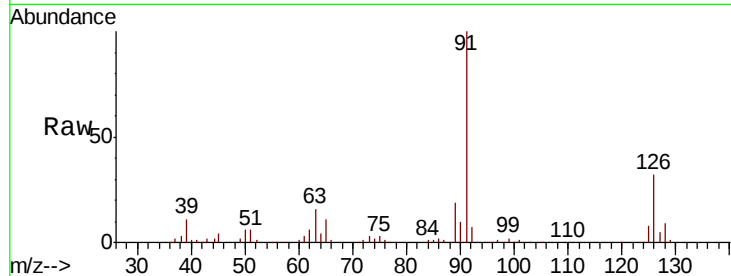
VW0712SBSD01

Tot Ion: 91 Resp: 166101

Ion Ratio Lower Upper

91 100

126 31.0 15.8 47.3



#80

1,3,5-Trimethylbenzene

Concen: 19.542 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011222.D

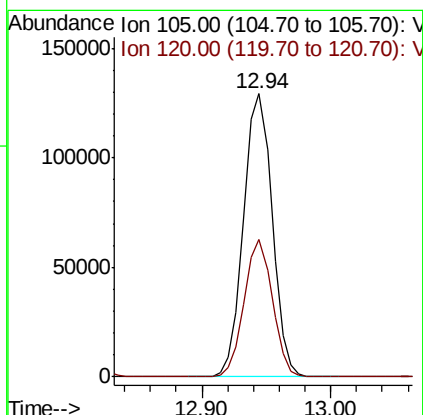
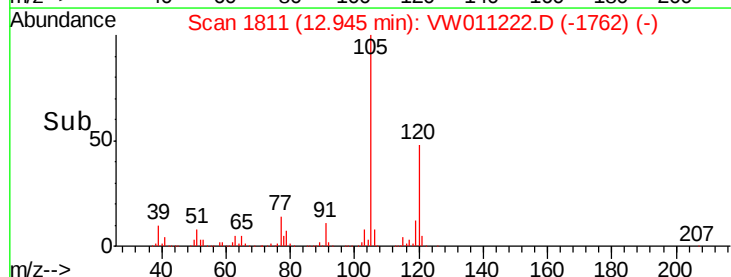
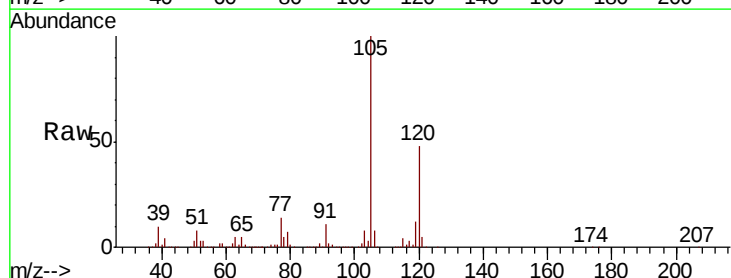
Acq: 11 Jul 2019 12:02

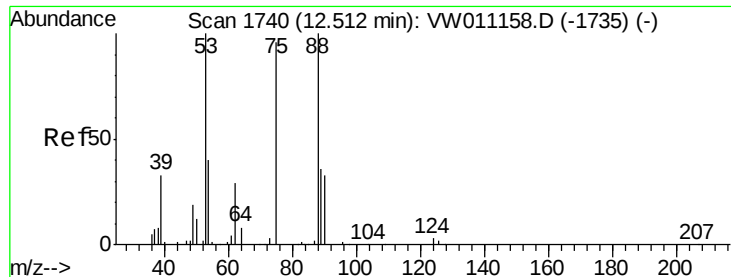
Tgt Ion:105 Resp: 198088

Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.2

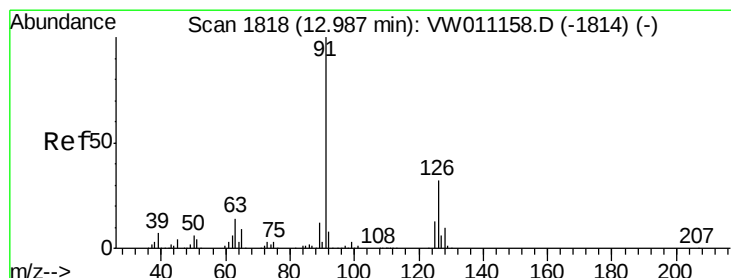
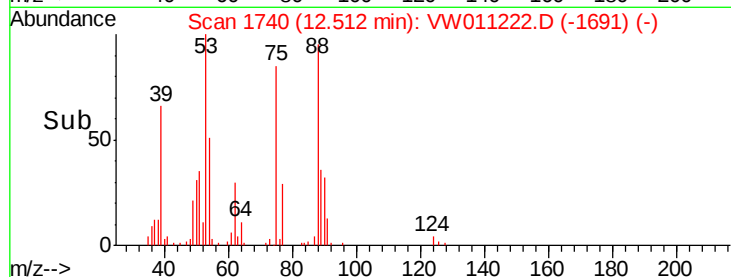
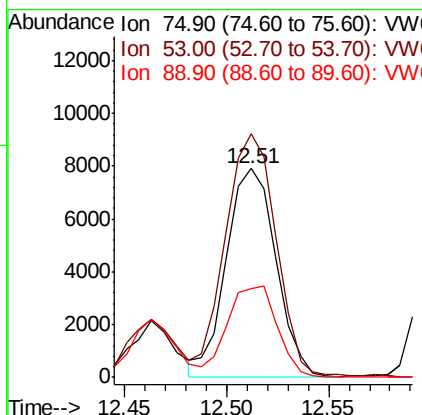
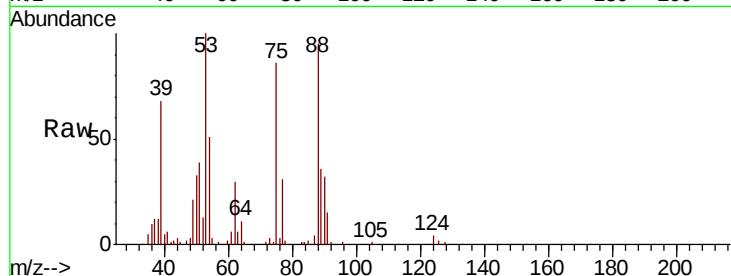




#81
trans-1,4-Dichloro-2-butene
Concen: 16.437 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

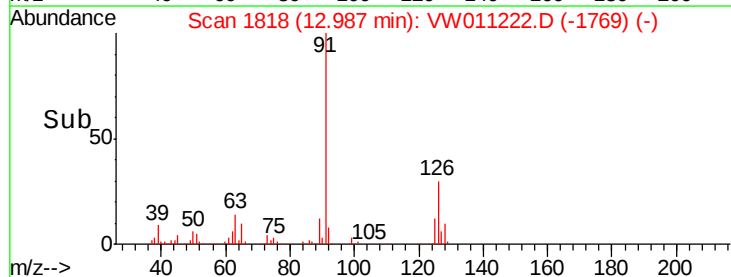
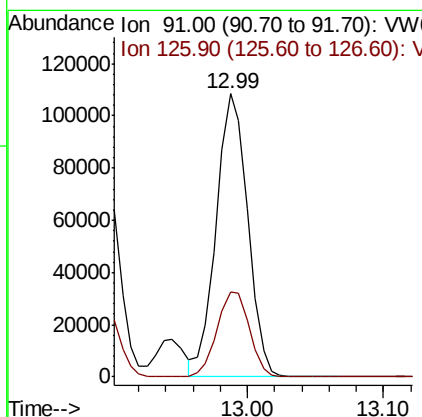
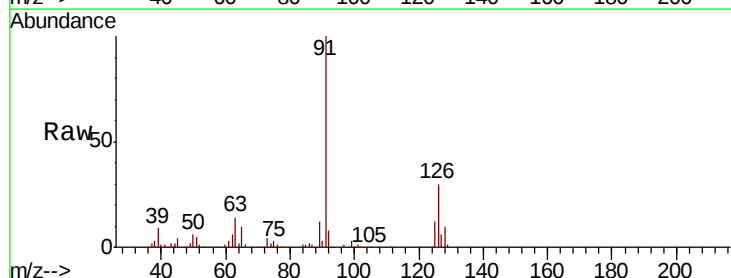
Instrument :
MSVOA_W
ClientSampleId :
VW0712SBSD01

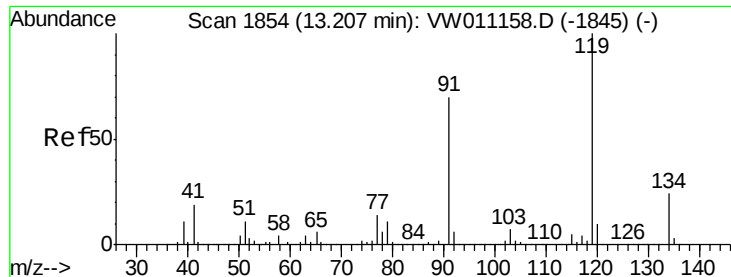
Tot Ion: 75 Resp: 13404
Ion Ratio Lower Upper
75 100
53 118.1 89.8 134.6
89 43.7 34.3 51.5



#82
4-Chlorotoluene
Concen: 19.769 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

Tgt Ion: 91 Resp: 174157
Ion Ratio Lower Upper
91 100
126 31.0 15.7 47.1

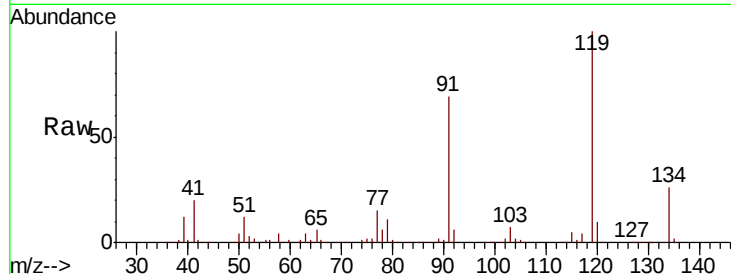




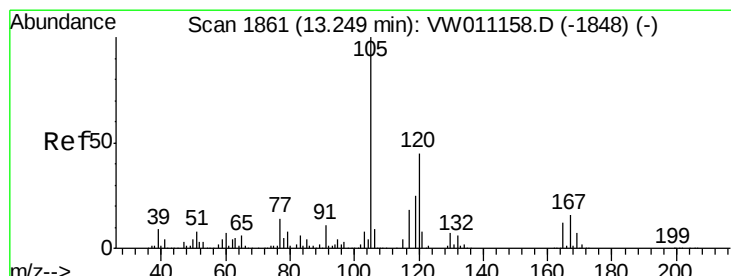
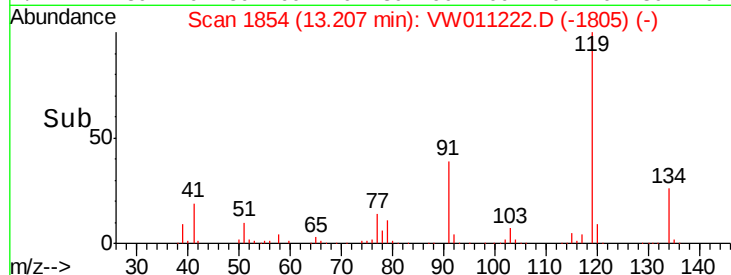
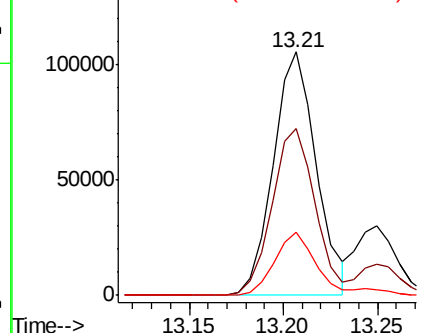
#83
tert-Butylbenzene
Concen: 19.749 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

Instrument :
MSVOA_W
ClientSampleID :
VW0712SBSD01

Tot Ion:119 Resp: 166950
Ion Ratio Lower Upper
119 100
91 68.3 35.4 106.3
134 24.8 13.4 40.2

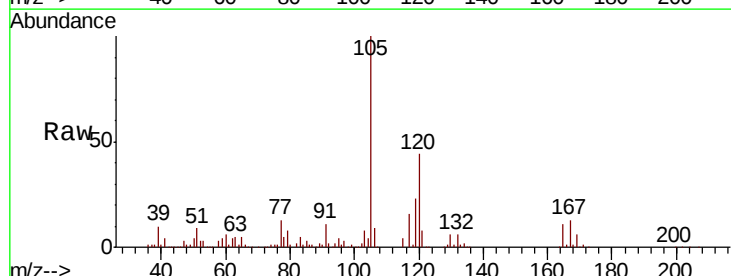


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

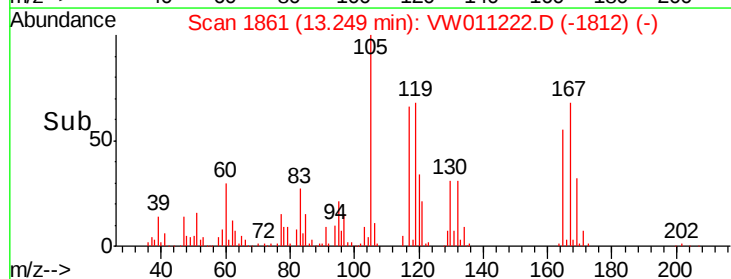
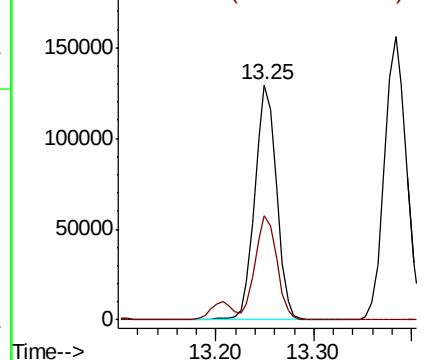


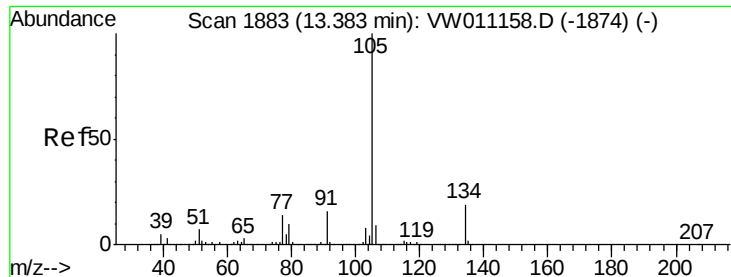
#84
1,2,4-Trimethylbenzene
Concen: 19.667 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011222.D
Acq: 11 Jul 2019 12:02

Tgt Ion:105 Resp: 200170
Ion Ratio Lower Upper
105 100
120 44.2 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: 19.828 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

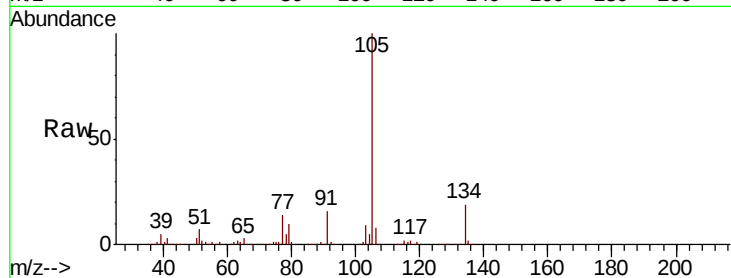
VW0712SBSD01

Tot Ion:105 Resp: 241868

Ion Ratio Lower Upper

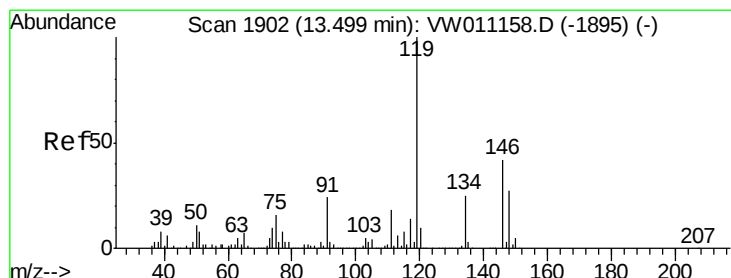
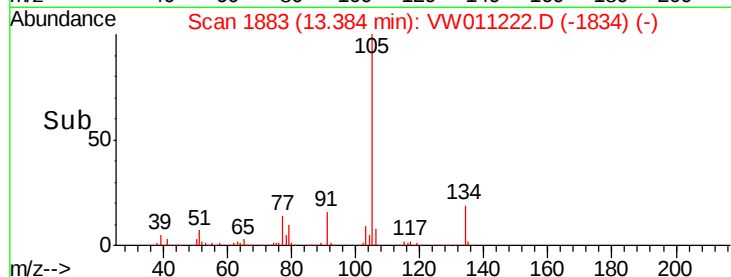
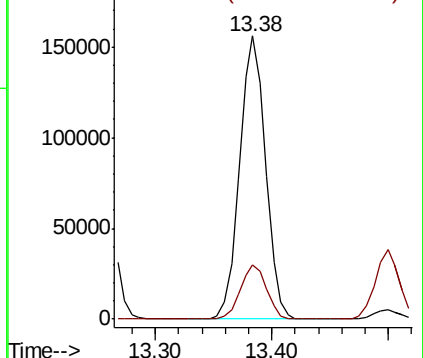
105 100

134 19.2 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: 19.697 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

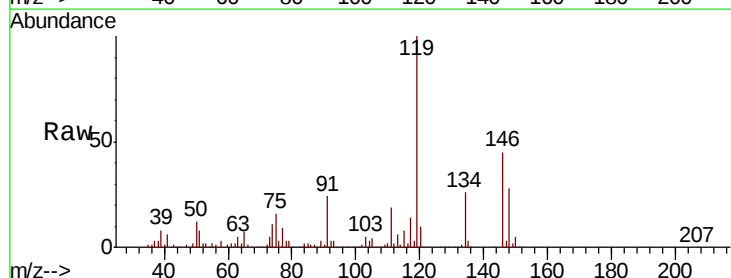
Tgt Ion:119 Resp: 215496

Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.6

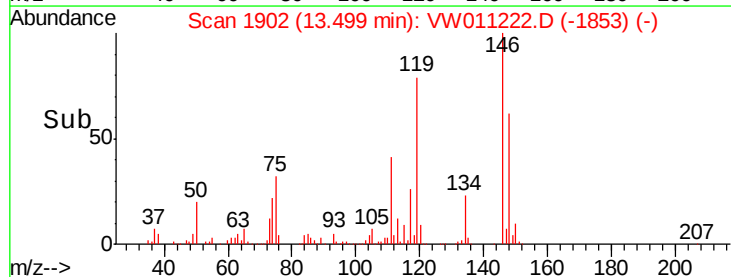
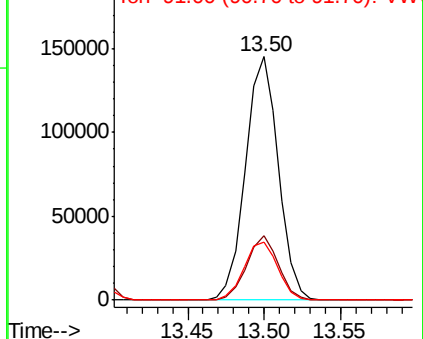
91 24.4 12.3 36.8

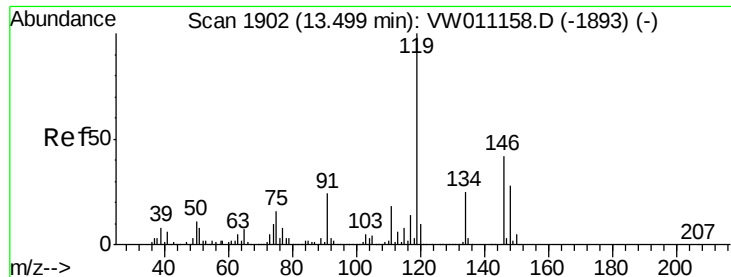


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.125 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBSD01

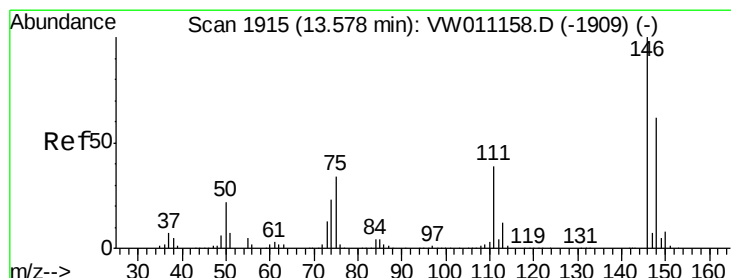
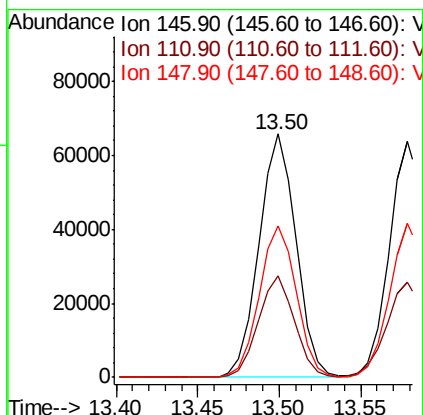
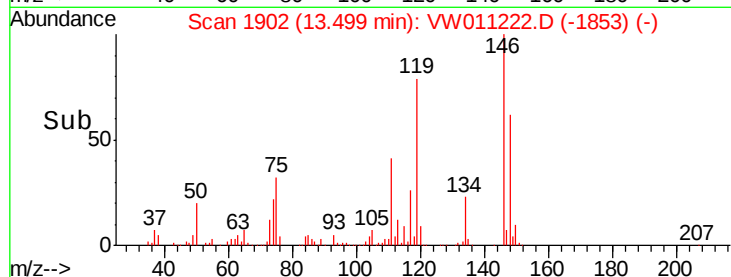
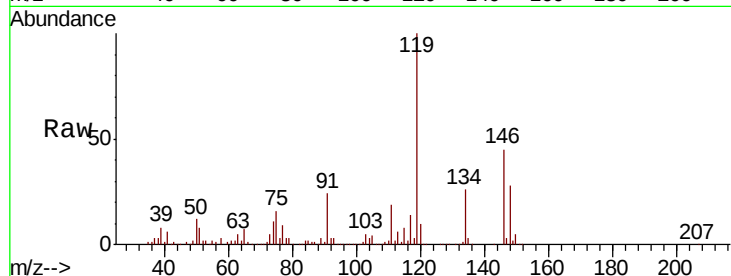
Tot Ion:146 Resp: 103677

Ion Ratio Lower Upper

146 100

111 40.8 21.1 63.1

148 62.5 32.6 97.7



#88

1,4-Dichlorobenzene

Concen: 19.518 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

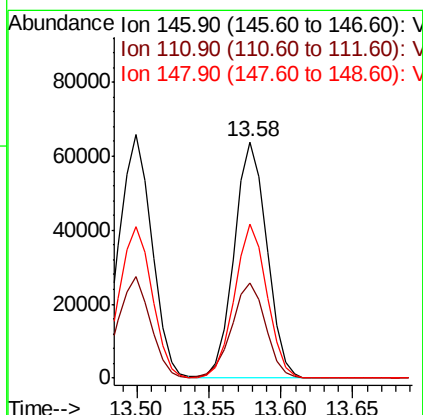
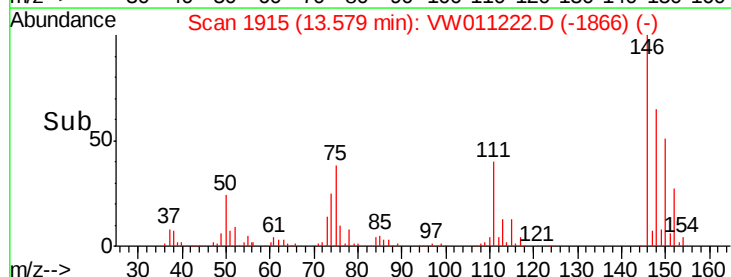
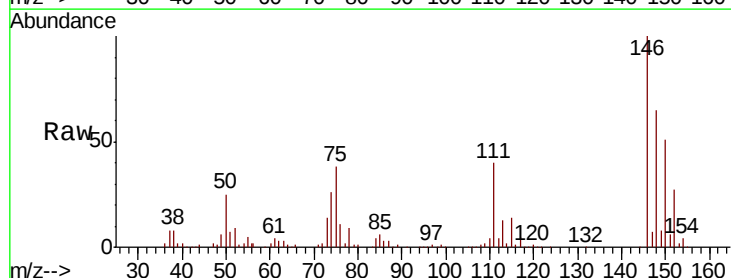
Tgt Ion:146 Resp: 101256

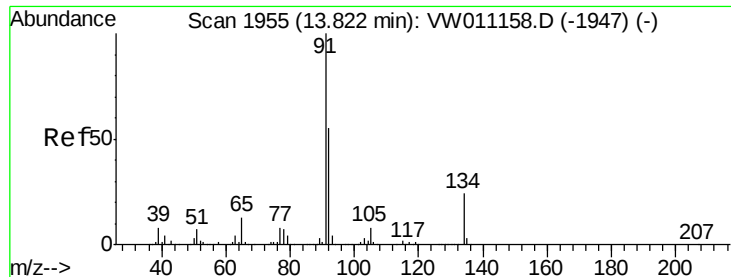
Ion Ratio Lower Upper

146 100

111 42.1 19.9 59.7

148 64.6 31.5 94.5





#89

n-Butylbenzene

Concen: 20.230 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBSD01

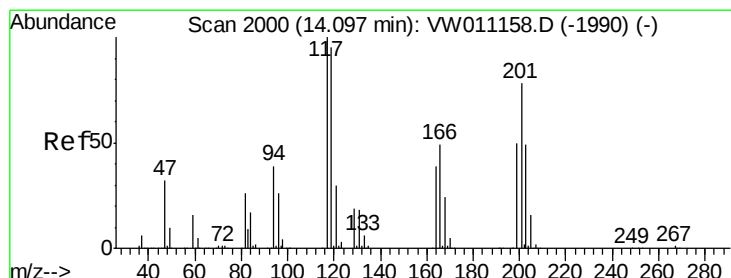
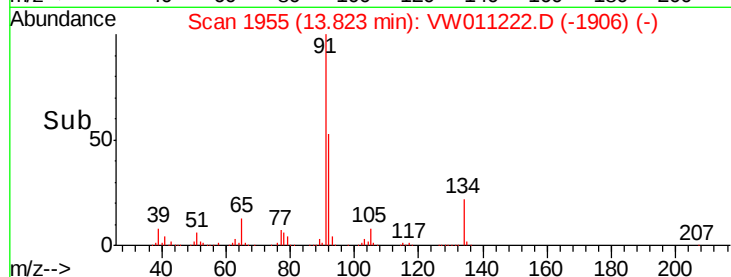
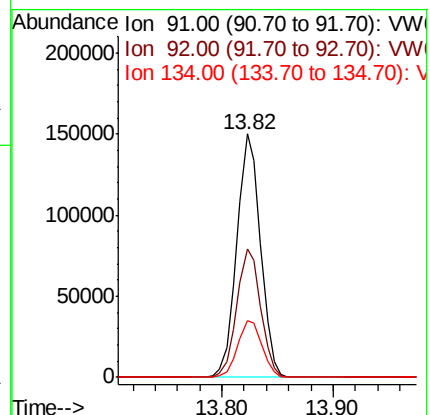
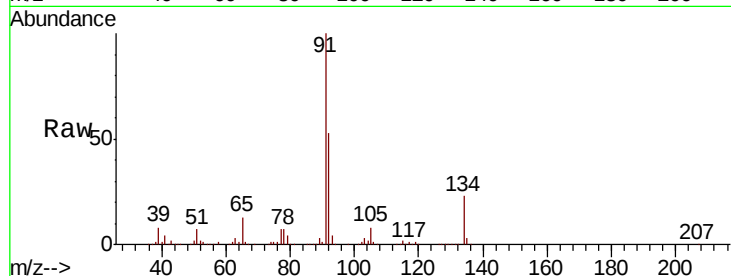
Tot Ion: 91 Resp: 220798

Ion Ratio Lower Upper

91 100

92 53.4 26.9 80.7

134 24.1 12.2 36.4



#90

Hexachloroethane

Concen: 18.238 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.01 min

Lab File: VW011222.D

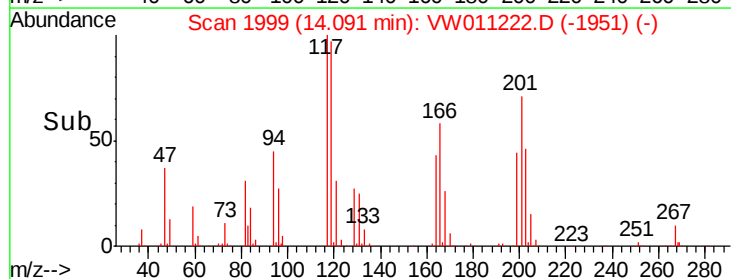
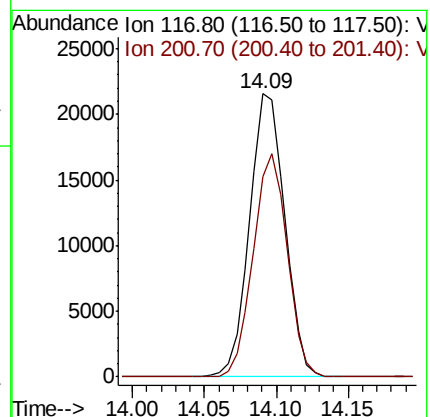
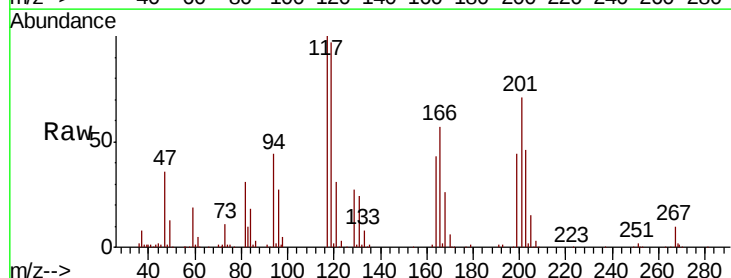
Acq: 11 Jul 2019 12:02

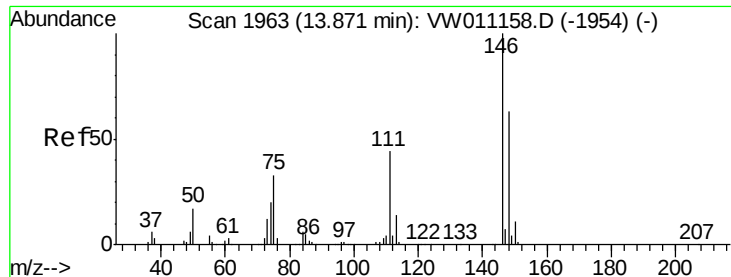
Tgt Ion: 117 Resp: 36462

Ion Ratio Lower Upper

117 100

201 76.1 38.3 114.8





#91

1,2-Dichlorobenzene

Concen: 19.596 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBSD01

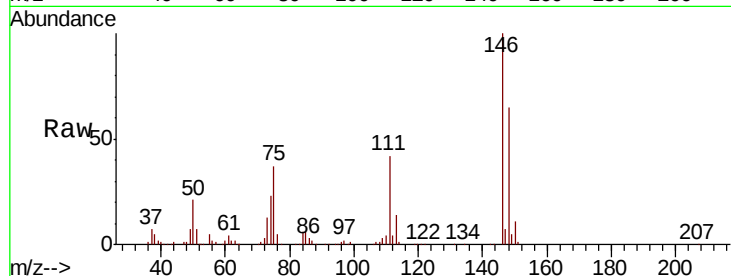
Tot Ion:146 Resp: 91588

Ion Ratio Lower Upper

146 100

111 42.8 21.6 65.0

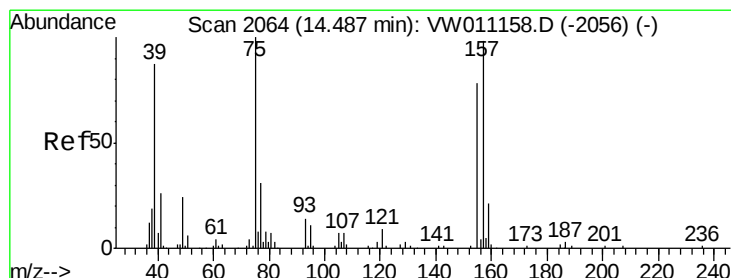
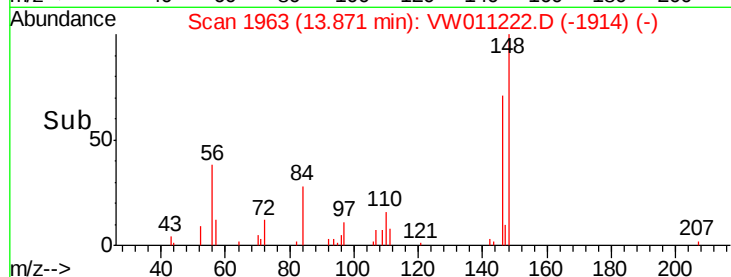
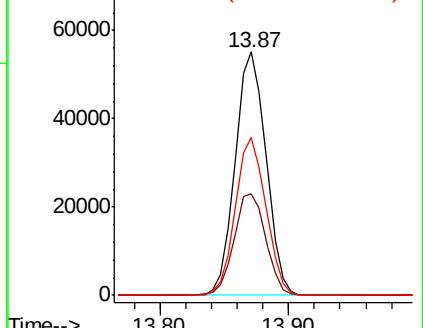
148 64.0 31.9 95.5



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: 17.929 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

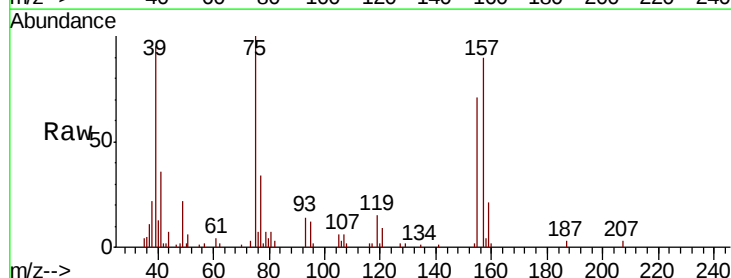
Tgt Ion: 75 Resp: 7778

Ion Ratio Lower Upper

75 100

155 74.8 37.1 111.3

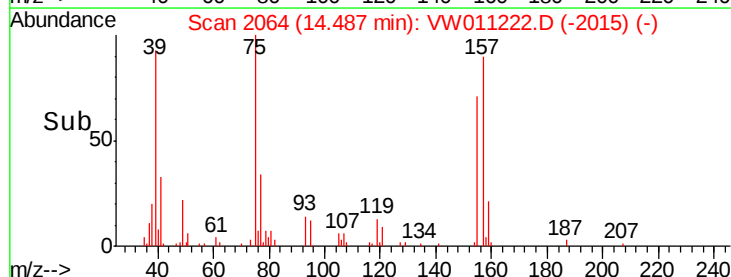
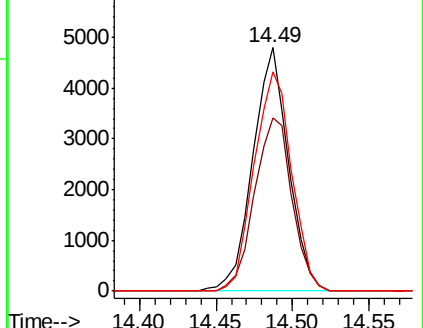
157 94.5 48.5 145.6

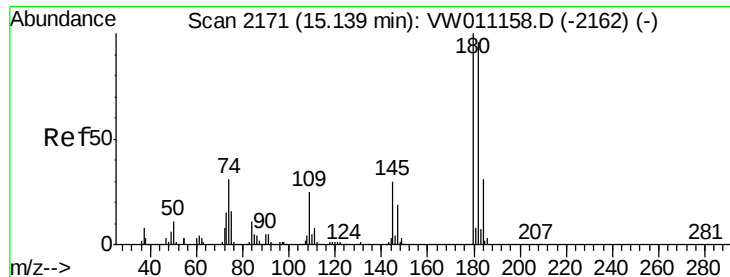


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

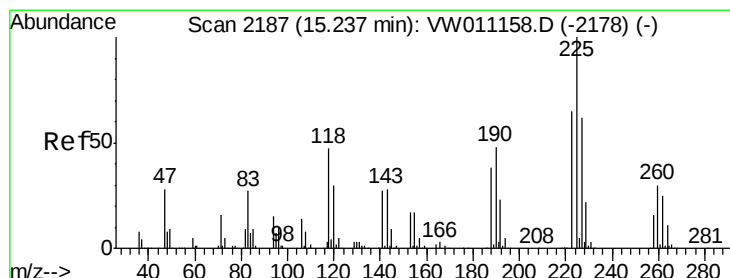
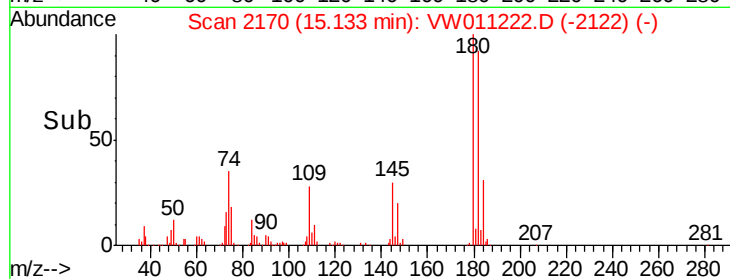
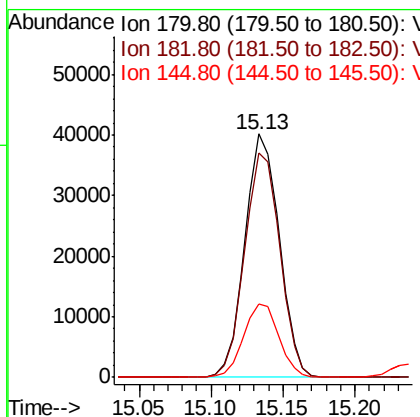
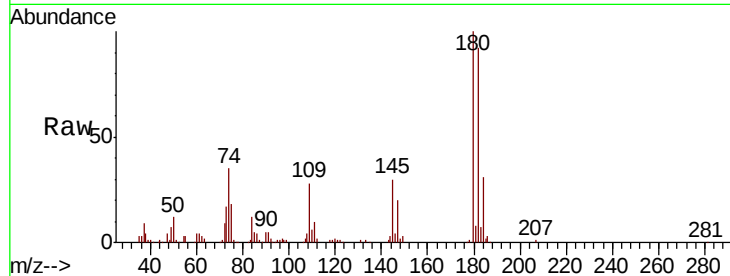




#93
 1,2,4-Trichlorobenzene
 Concen: 20.684 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011222.D
 Acq: 11 Jul 2019 12:02

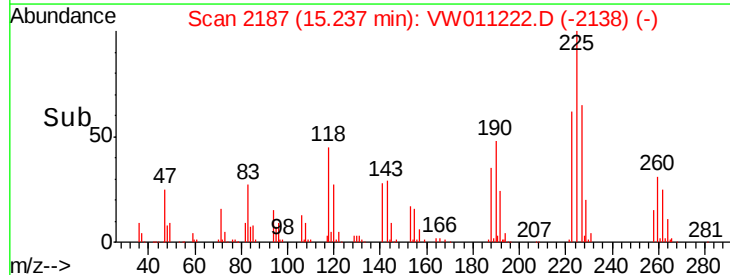
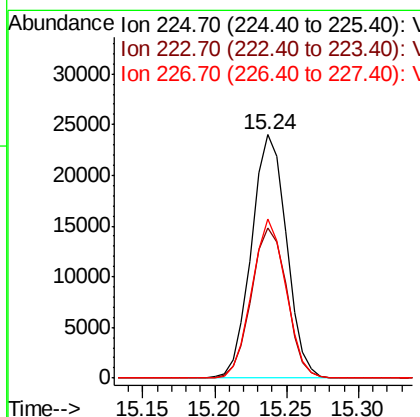
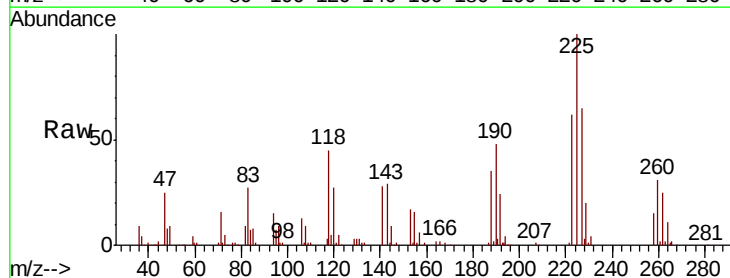
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBSD01

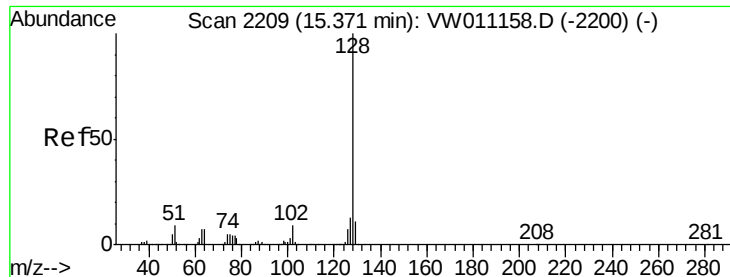
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.3	144.9
145	30.9	15.5	46.5



#94
 Hexachlorobutadiene
 Concen: 20.394 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011222.D
 Acq: 11 Jul 2019 12:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.6	95.0
227	63.5	32.0	96.0





#95

Naphthalene

Concen: 19.898 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBSD01

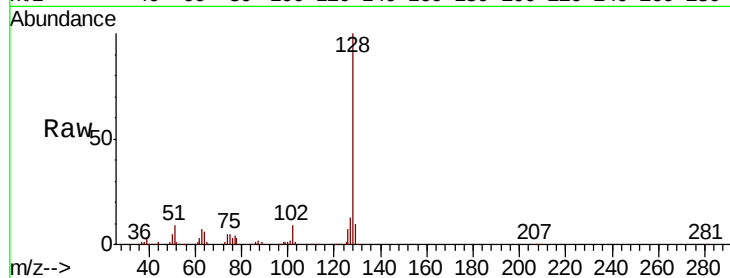
Tot Ion:128 Resp: 122746

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

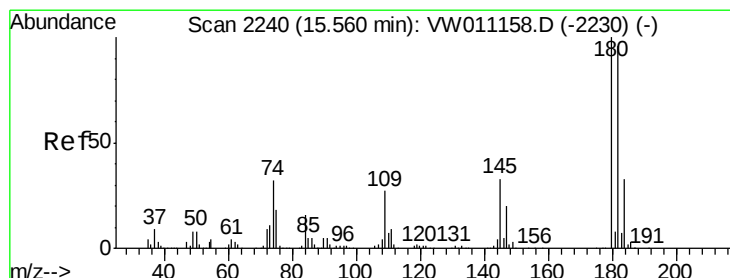
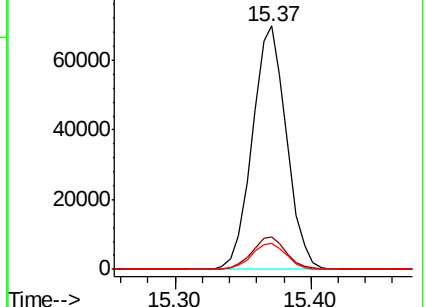
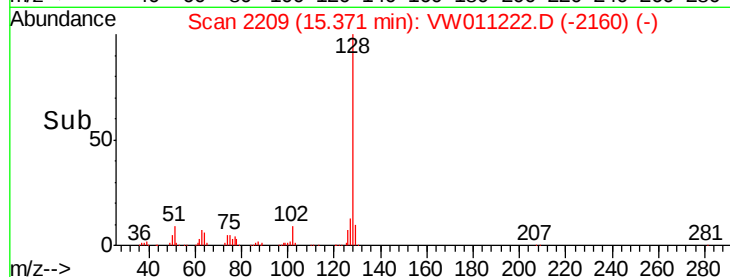
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.489 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011222.D

Acq: 11 Jul 2019 12:02

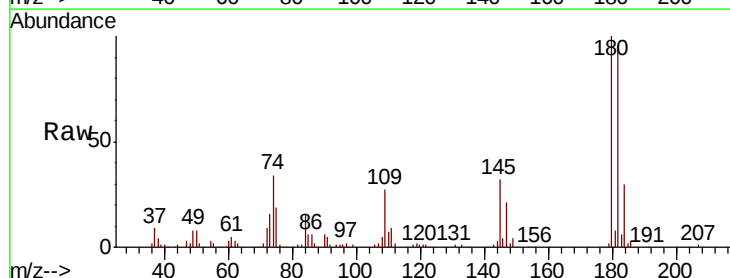
Tgt Ion:180 Resp: 58212

Ion Ratio Lower Upper

180 100

182 96.3 47.6 142.8

145 31.8 16.5 49.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

