

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011164.D
 Acq On : 08 Jul 2019 16:46
 Operator : SY/VA
 Sample : VW0708SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBSD01

Quant Time: Jul 09 06:53:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 06:41:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	231031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	392056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	344693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170671	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	149636	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
35) Dibromofluoromethane	7.88	113	115514	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
50) Toluene-d8	10.32	98	470620	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.62	95	171439	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	36926	21.431	ug/l	100
3) Chloromethane	2.21	50	45281	20.395	ug/l	99
4) Vinyl Chloride	2.35	62	59051	20.320	ug/l	98
5) Bromomethane	2.76	94	29941	20.504	ug/l	95
6) Chloroethane	2.92	64	31262	19.973	ug/l	95
7) Trichlorofluoromethane	3.24	101	18733	18.146	ug/l	91
8) Diethyl Ether	3.68	74	28846	20.195	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	50262	20.326	ug/l	99
10) Methyl Iodide	4.27	142	67391	19.815	ug/l	100
11) Tert butyl alcohol	5.16	59	22425	104.337	ug/l	100
12) 1,1-Dichloroethene	4.04	96	50078	19.512	ug/l	95
13) Acrolein	3.89	56	15243	89.065	ug/l	99
14) Allyl chloride	4.66	41	89257	19.071	ug/l	99
15) Acrylonitrile	5.36	53	75110	103.248	ug/l	99
16) Acetone	4.12	43	68407	97.935	ug/l	99
17) Carbon Disulfide	4.38	76	148582	19.096	ug/l	100
18) Methyl Acetate	4.67	43	47686	23.251	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	80618	20.702	ug/l	100
20) Methylene Chloride	4.92	84	58524	21.239	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	52327	19.621	ug/l	96
22) Diisopropyl ether	6.31	45	204518	20.317	ug/l	99
23) Vinyl Acetate	6.25	43	620143	99.547	ug/l	100
24) 1,1-Dichloroethane	6.21	63	105573	19.973	ug/l	99
25) 2-Butanone	7.17	43	113159	103.205	ug/l	98
26) 2,2-Dichloropropane	7.16	77	53327	19.408	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	57760	20.078	ug/l	99
28) Bromochloromethane	7.51	49	49169	20.457	ug/l	100
29) Tetrahydrofuran	7.52	42	76246	106.052	ug/l	100
30) Chloroform	7.67	83	97559	19.929	ug/l	98
31) Cyclohexane	7.95	56	111554	19.837	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	71963	19.325	ug/l	98
36) 1,1-Dichloropropene	8.08	75	80753	19.342	ug/l	99
37) Ethyl Acetate	7.25	43	52119	20.777	ug/l	100
38) Carbon Tetrachloride	8.06	117	67196	18.986	ug/l	97

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 Misc : 5.00G/5ML/MSVOA W/SOIL
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 VW0708SBS01

Quant Time: Jul 09 06:53:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 06:41:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	100083	19.778	ug/l	98
40) Benzene	8.32	78	224009	19.415	ug/l	100
41) Methacrylonitrile	7.48	41	30925	21.555	ug/l	92
42) 1,2-Dichloroethane	8.40	62	74107	19.799	ug/l	100
43) Isopropyl Acetate	8.42	43	96477	20.371	ug/l	100
44) Trichloroethene	9.09	130	52968	19.077	ug/l	99
45) 1,2-Dichloropropane	9.37	63	60969	19.513	ug/l	99
46) Dibromomethane	9.46	93	28944	19.720	ug/l	99
47) Bromodichloromethane	9.64	83	71595	19.064	ug/l	99
48) Methyl methacrylate	9.43	41	45008	19.754	ug/l	98
49) 1,4-Dioxane	9.45	88	9887	403.567	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	255564	103.302	ug/l	100
52) Toluene	10.38	92	137154	19.596	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	75147	18.799	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	88897	18.893	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	41343	19.855	ug/l	96
56) Ethyl methacrylate	10.65	69	64067	20.210	ug/l	98
57) 1,3-Dichloropropane	10.93	76	77711	19.736	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	149923	102.012	ug/l	99
59) 2-Hexanone	10.97	43	177216	103.292	ug/l	99
60) Dibromochloromethane	11.13	129	43569	19.082	ug/l	99
61) 1,2-Dibromoethane	11.23	107	39066	19.807	ug/l	99
64) Tetrachloroethene	10.86	164	44866	19.290	ug/l	98
65) Chlorobenzene	11.66	112	137269	19.587	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	47472	19.239	ug/l	99
67) Ethyl Benzene	11.73	91	260631	19.427	ug/l	100
68) m/p-Xylenes	11.84	106	192251	39.603	ug/l	98
69) o-Xylene	12.16	106	89240	19.504	ug/l	100
70) Styrene	12.18	104	156490	19.818	ug/l	100
71) Bromoform	12.35	173	25024	19.074	ug/l #	99
73) Isopropylbenzene	12.46	105	249556	19.560	ug/l	100
74) N-amyl acetate	12.27	43	90252	20.312	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	52030	19.895	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	67396	34.171	ug/l #	100
77) Bromobenzene	12.75	156	55762	19.475	ug/l	99
78) n-propylbenzene	12.80	91	307289	19.552	ug/l	100
79) 2-Chlorotoluene	12.89	91	176637	19.531	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	213537	19.701	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15595	17.884	ug/l	96
82) 4-Chlorotoluene	12.99	91	182340	19.357	ug/l	99
83) tert-Butylbenzene	13.21	119	177863	19.676	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	213440	19.611	ug/l	100
85) sec-Butylbenzene	13.38	105	258932	19.851	ug/l	100
86) p-Isopropyltoluene	13.50	119	230160	19.673	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	108372	19.673	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	109705	19.777	ug/l	98
89) n-Butylbenzene	13.82	91	229333	19.650	ug/l	100
90) Hexachloroethane	14.10	117	40655	19.017	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	99472	19.904	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9066	19.544	ug/l	98

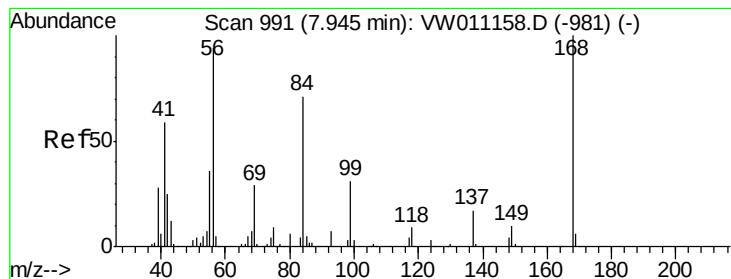
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69206	20.105	ug/l	98
94) Hexachlorobutadiene	15.24	225	41443	19.610	ug/l	99
95) Naphthalene	15.37	128	132583	20.100	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	61463	20.232	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: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

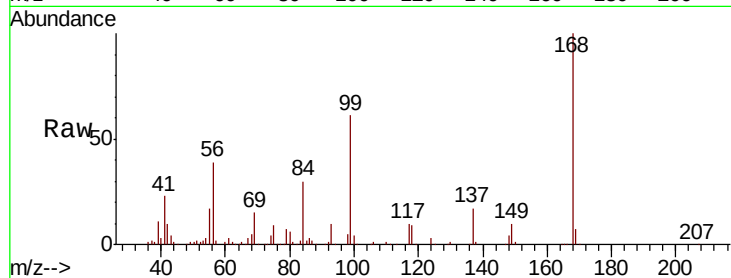
VW0708SBSD01

Tot Ion:168 Resp: 231031

Ion Ratio Lower Upper

168 100

99 60.8 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

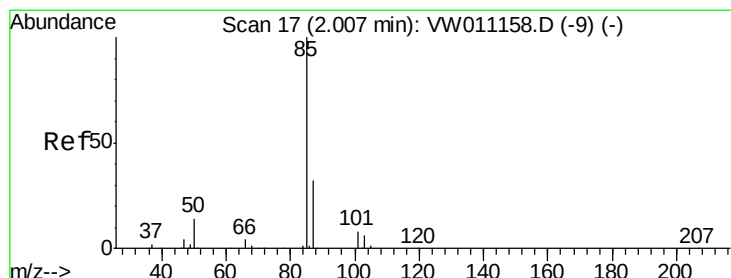
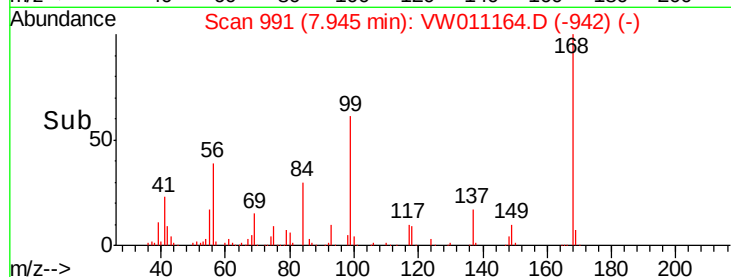
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 21.431 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011164.D

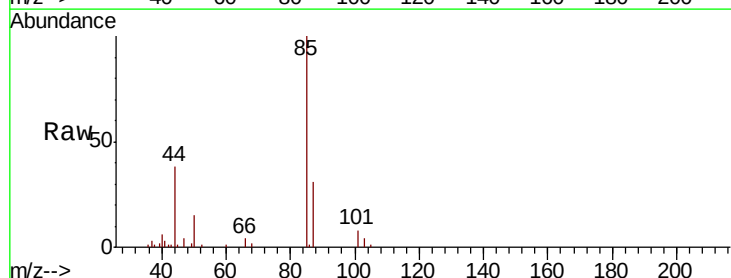
Acq: 08 Jul 2019 16:46

Tgt Ion: 85 Resp: 36926

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

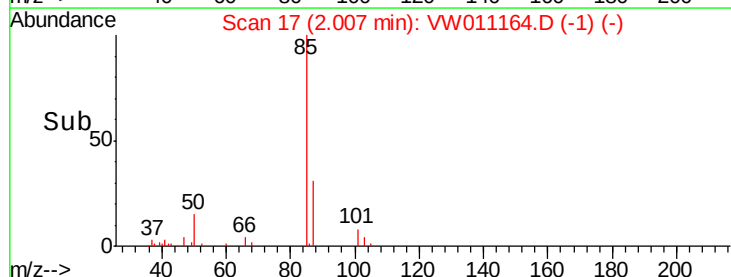
2.01

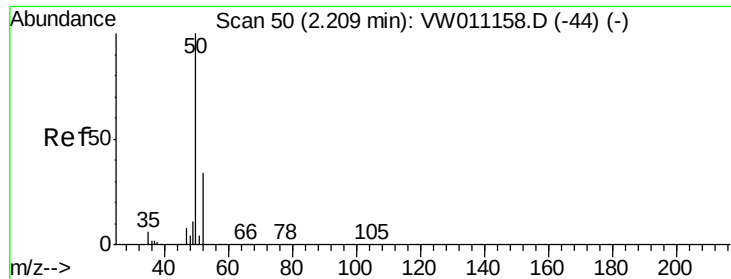
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 20.395 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

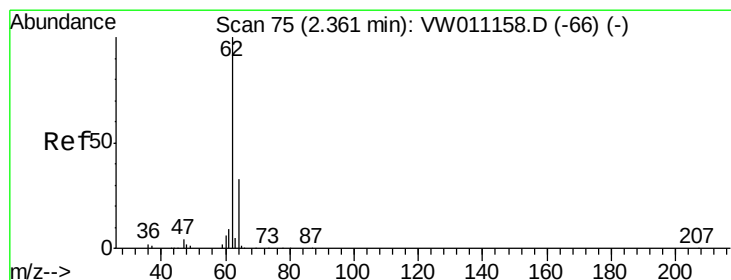
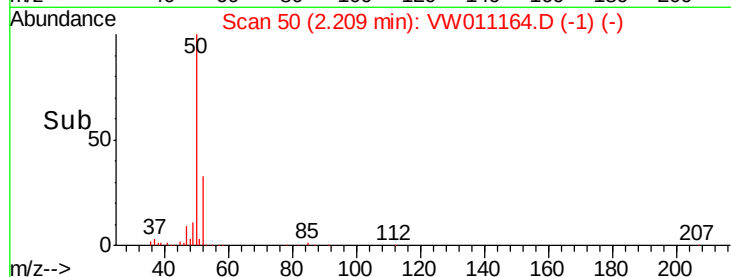
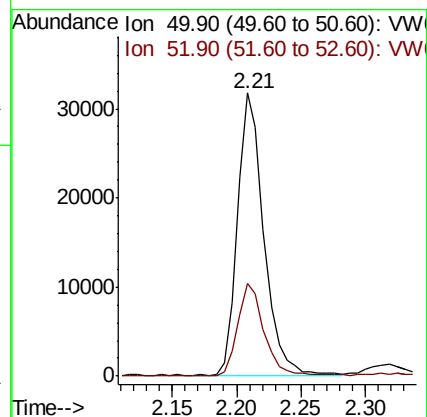
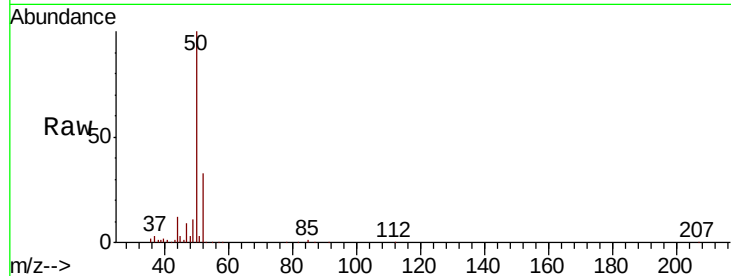
VW0708SBSD01

Tot Ion: 50 Resp: 45281

Ion Ratio Lower Upper

50 100

52 32.9 26.9 40.3



#4

Vinyl Chloride

Concen: 20.320 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011164.D

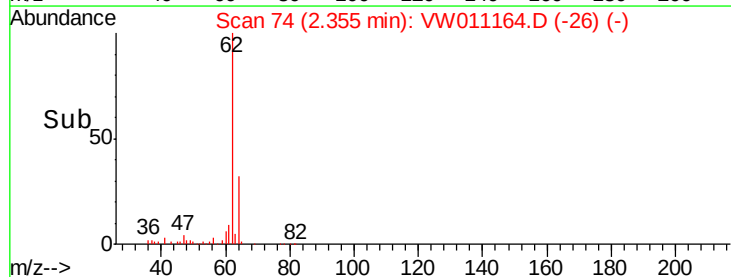
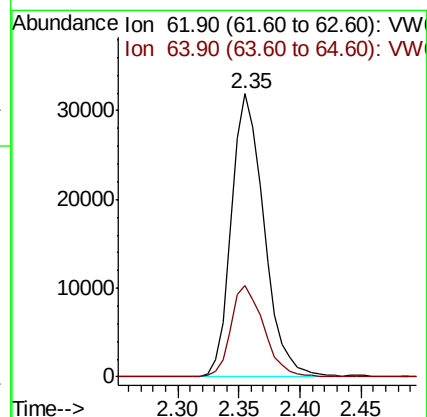
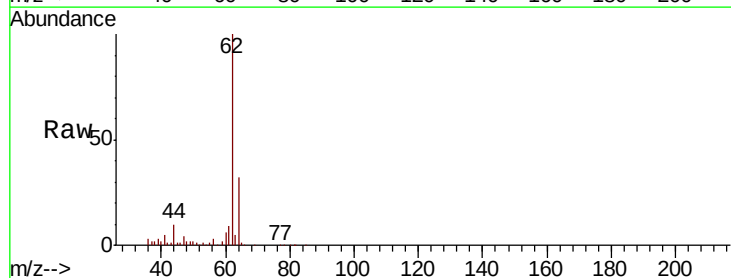
Acq: 08 Jul 2019 16:46

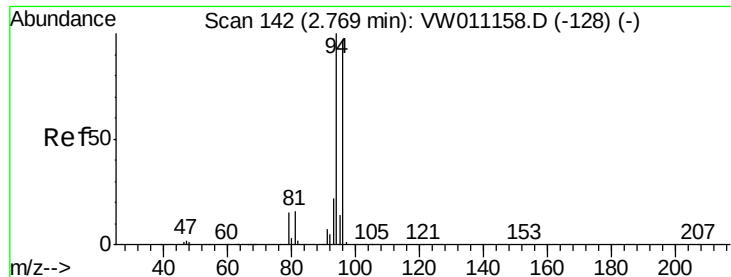
Tgt Ion: 62 Resp: 59051

Ion Ratio Lower Upper

62 100

64 32.2 26.6 40.0





#5

Bromomethane

Concen: 20.504 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

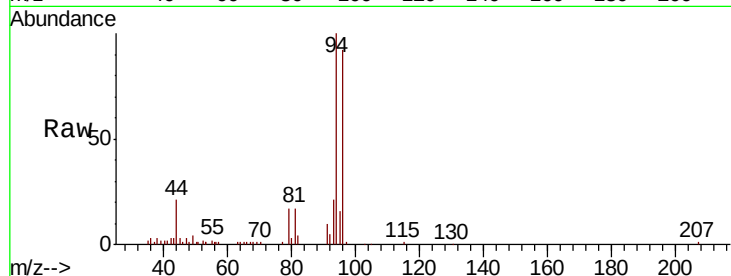
VW0708SBSD01

Tot Ion: 94 Resp: 29941

Ion Ratio Lower Upper

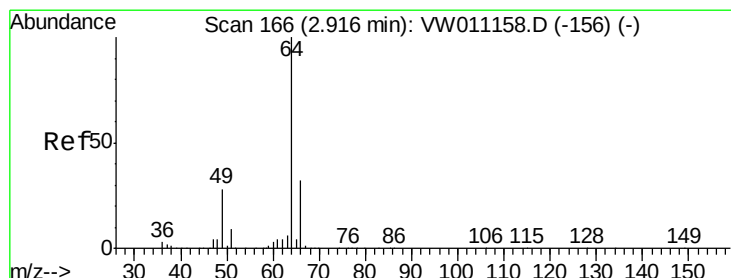
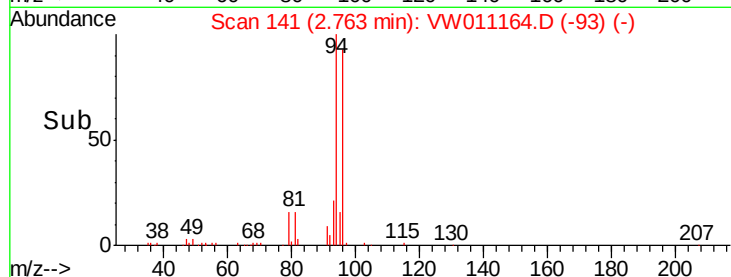
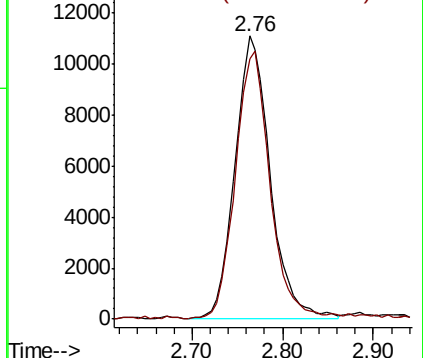
94 100

96 92.0 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.973 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011164.D

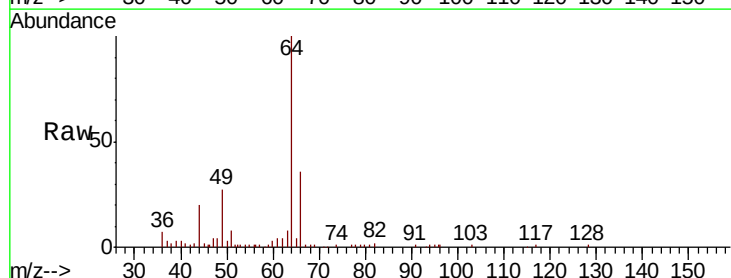
Acq: 08 Jul 2019 16:46

Tgt Ion: 64 Resp: 31262

Ion Ratio Lower Upper

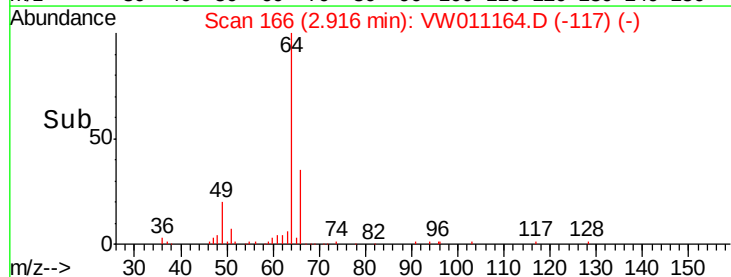
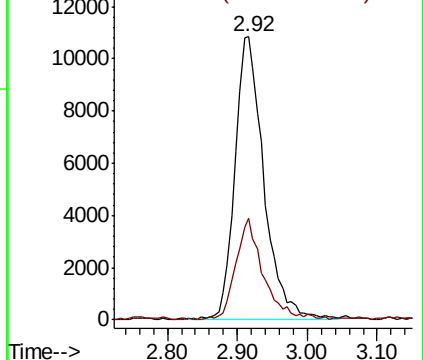
64 100

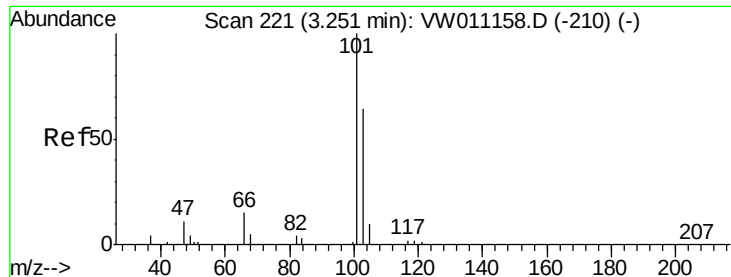
66 35.3 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



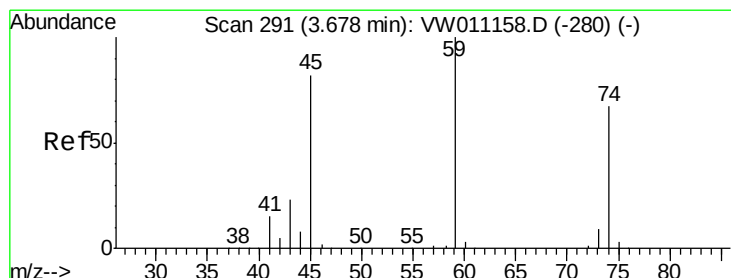
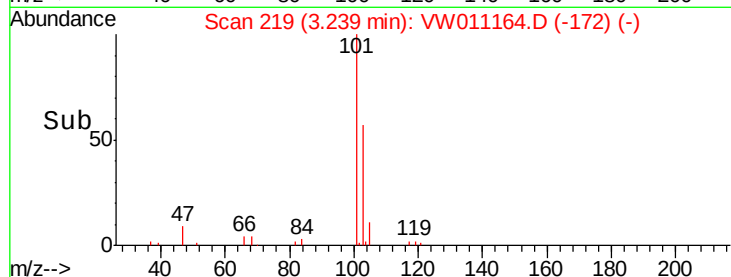
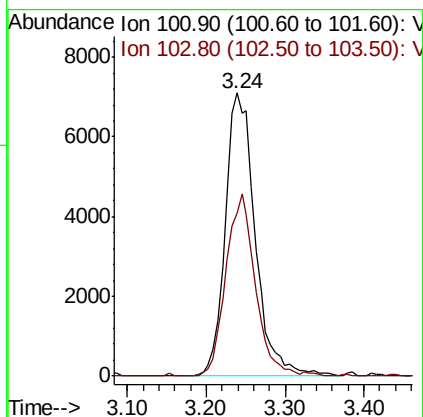
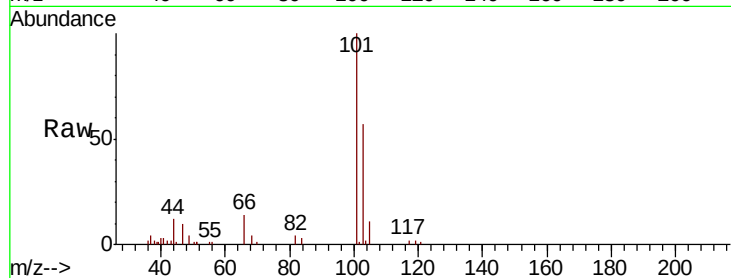


#7

Trichlorofluoromethane
Concen: 18.146 ug/l
RT: 3.24 min Scan# 219
Delta R.T. -0.01 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBSD01

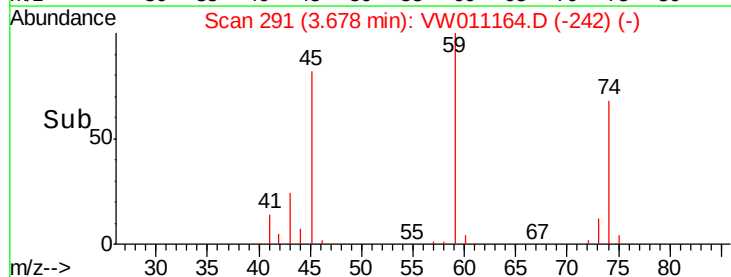
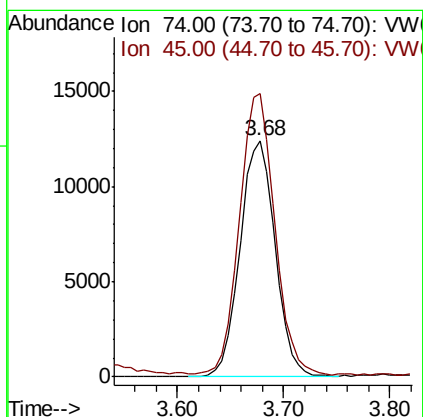
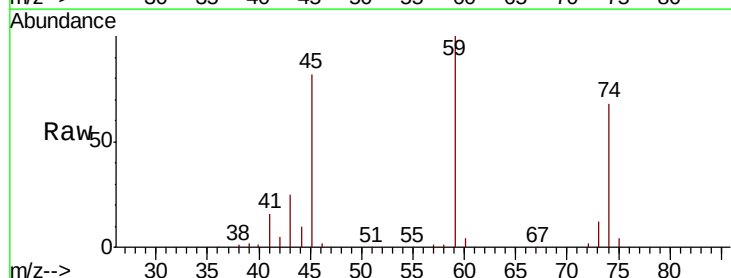
Tot Ion:101 Resp: 18733
Ion Ratio Lower Upper
101 100
103 57.4 51.3 76.9

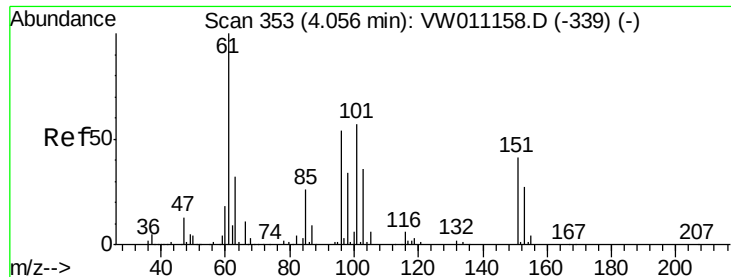


#8

Diethyl Ether
Concen: 20.195 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion: 74 Resp: 28846
Ion Ratio Lower Upper
74 100
45 119.7 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.326 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

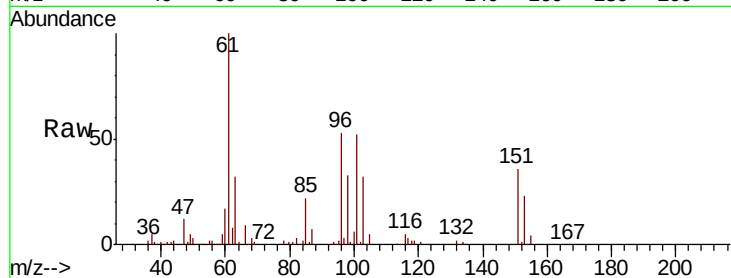
Tot Ion:101 Resp: 50262

Ion Ratio Lower Upper

101 100

85 45.3 36.5 54.7

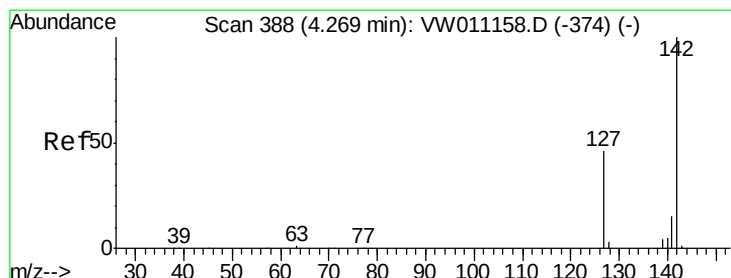
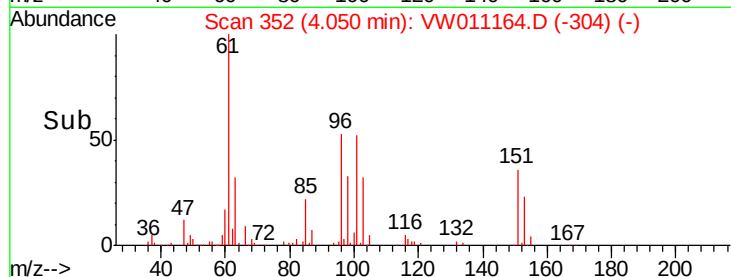
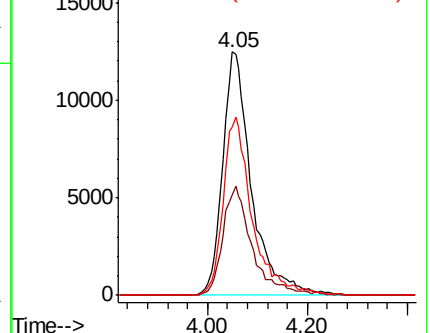
151 73.0 59.1 88.7



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: 19.815 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

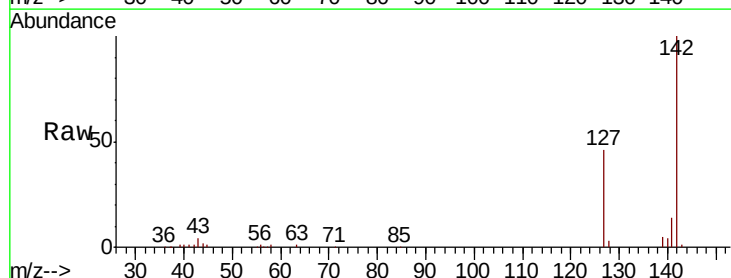
Tgt Ion:142 Resp: 67391

Ion Ratio Lower Upper

142 100

127 44.5 35.7 53.5

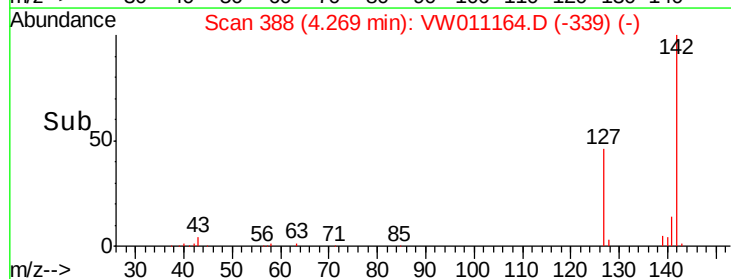
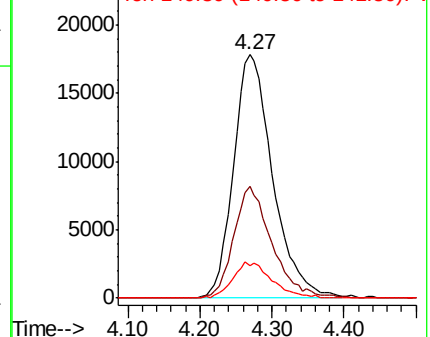
141 14.9 11.5 17.3

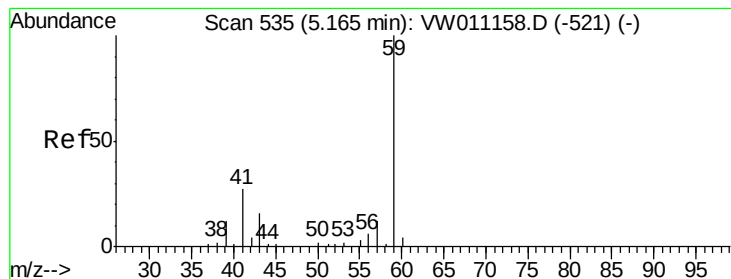


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



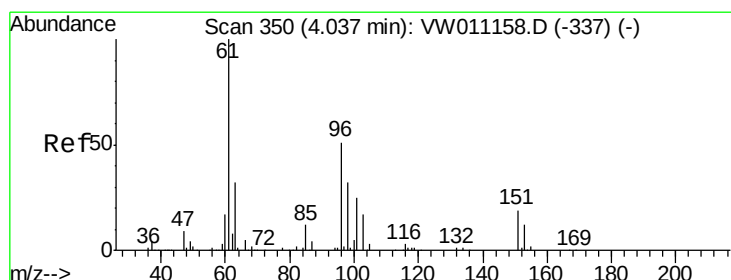
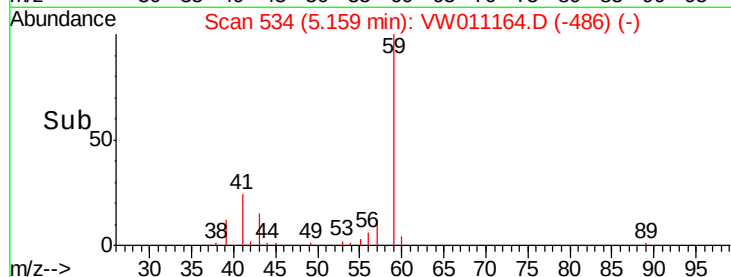
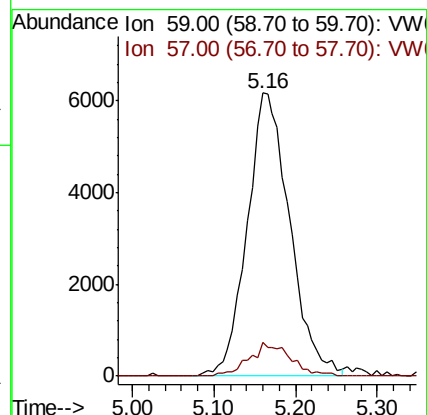
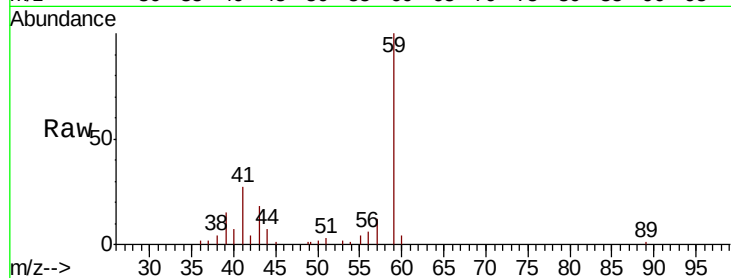


#11

Tert butyl alcohol
Concen: 104.337 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBSD01

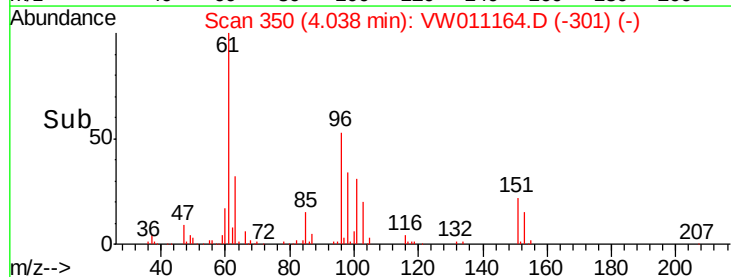
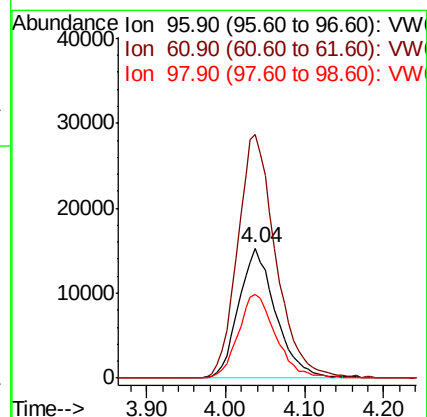
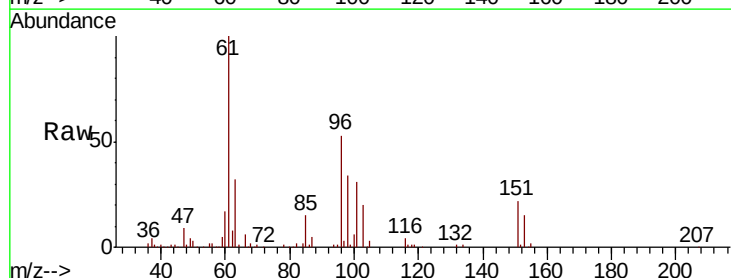
Tot Ion: 59 Resp: 22425
Ion Ratio Lower Upper
59 100
57 11.3 9.0 13.6

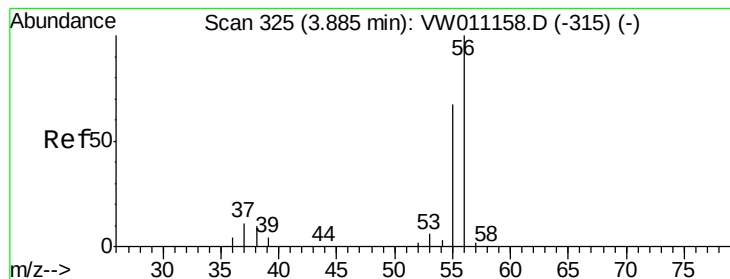


#12

1,1-Dichloroethene
Concen: 19.512 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion: 96 Resp: 50078
Ion Ratio Lower Upper
96 100
61 187.7 157.7 236.5
98 64.1 50.9 76.3





#13

Acrolein

Concen: 89.065 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

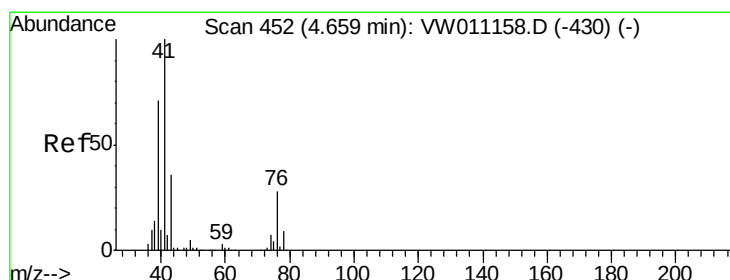
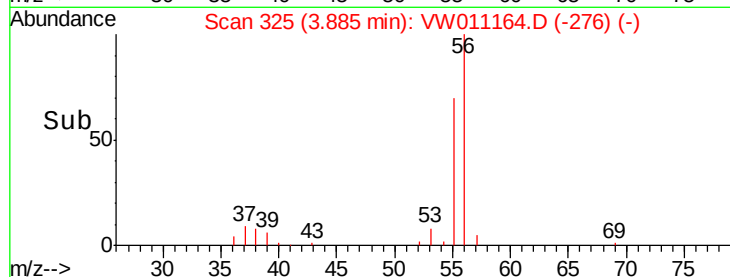
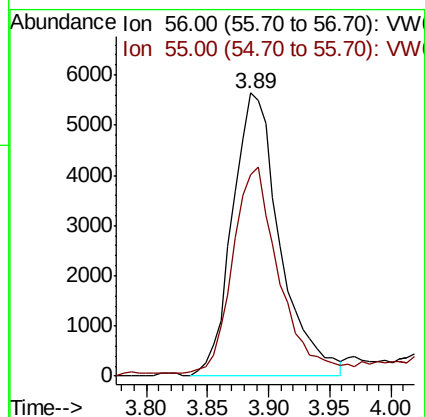
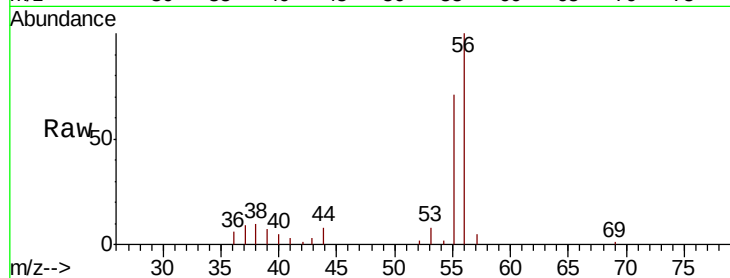
VW0708SBS01

Tot Ion: 56 Resp: 15243

Ion Ratio Lower Upper

56 100

55 69.8 56.4 84.6



#14

Allyl chloride

Concen: 19.071 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

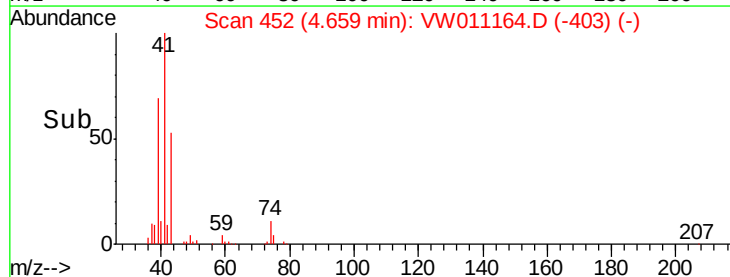
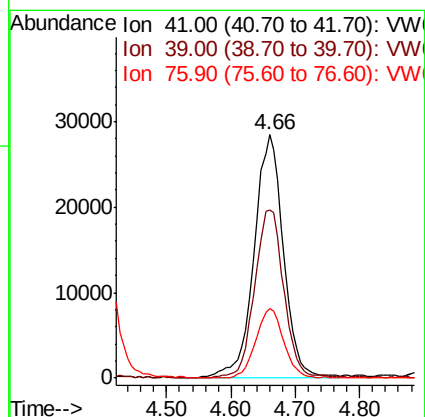
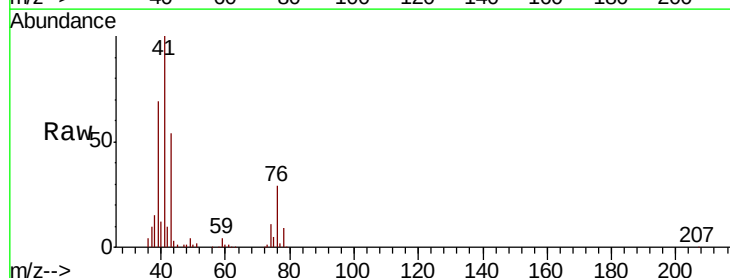
Tgt Ion: 41 Resp: 89257

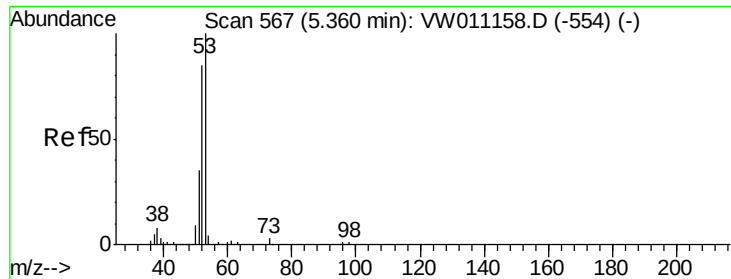
Ion Ratio Lower Upper

41 100

39 68.1 55.1 82.7

76 27.0 22.5 33.7





#15

Acrylonitrile

Concen: 103.248 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

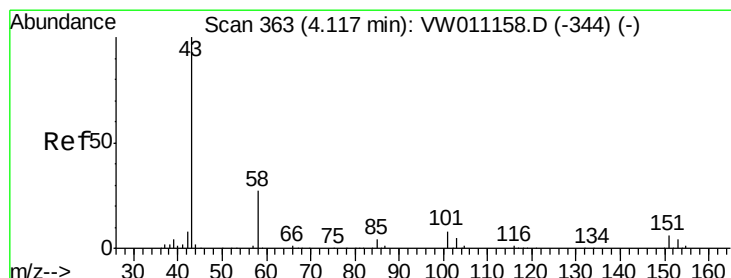
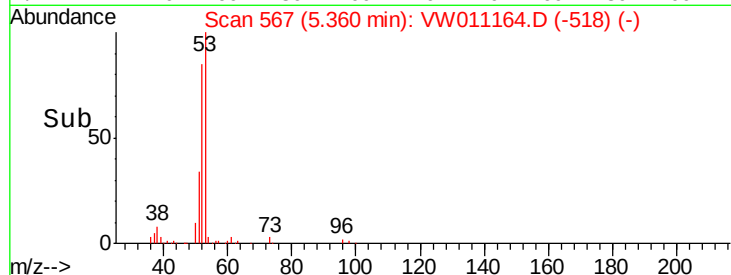
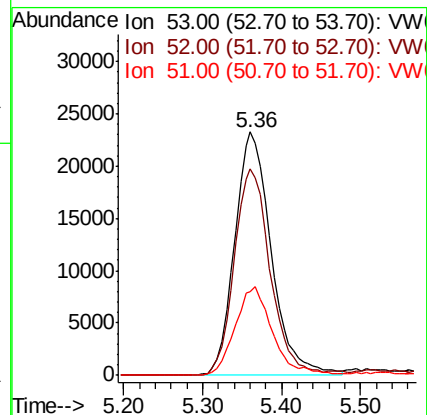
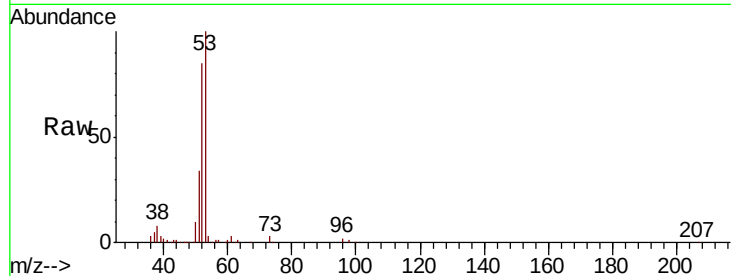
Tot Ion: 53 Resp: 75110

Ion Ratio Lower Upper

53 100

52 83.1 66.2 99.4

51 37.0 29.1 43.7



#16

Acetone

Concen: 97.935 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011164.D

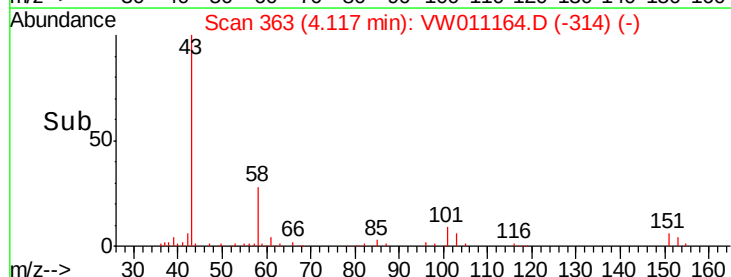
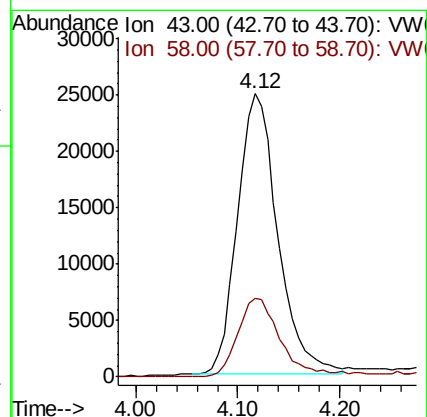
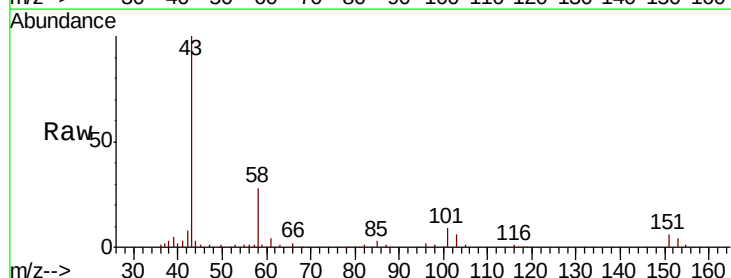
Acq: 08 Jul 2019 16:46

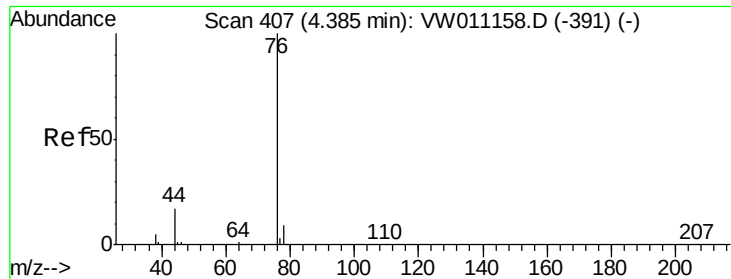
Tgt Ion: 43 Resp: 68407

Ion Ratio Lower Upper

43 100

58 27.6 21.8 32.6

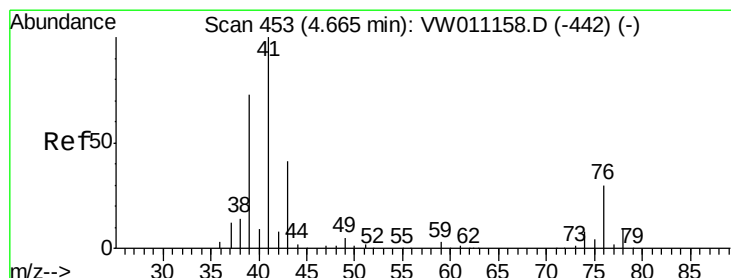
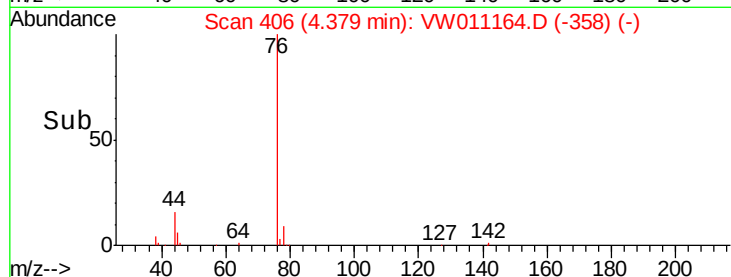
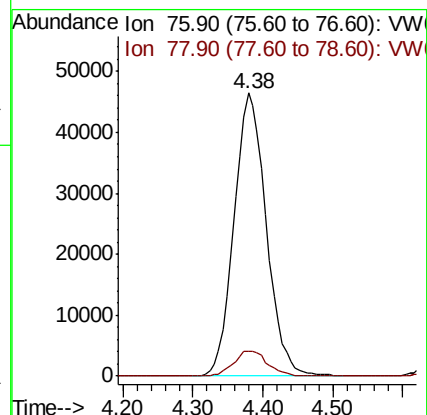
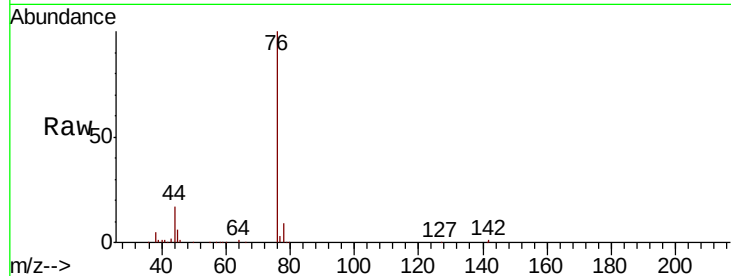




#17
Carbon Disulfide
Concen: 19.096 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

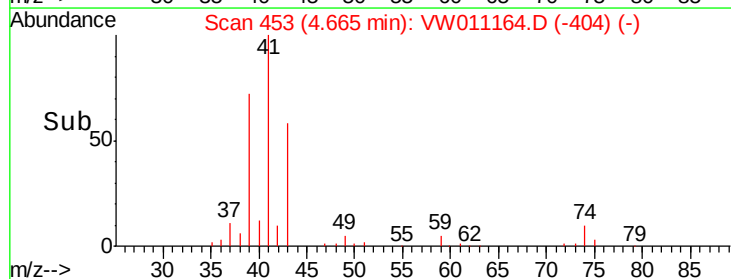
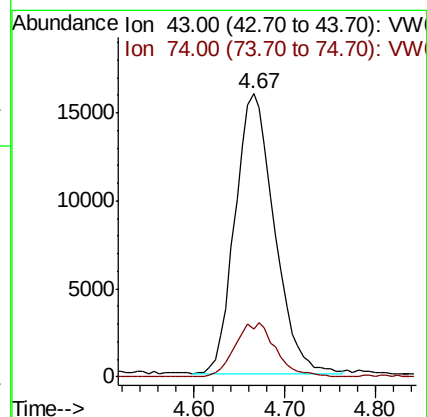
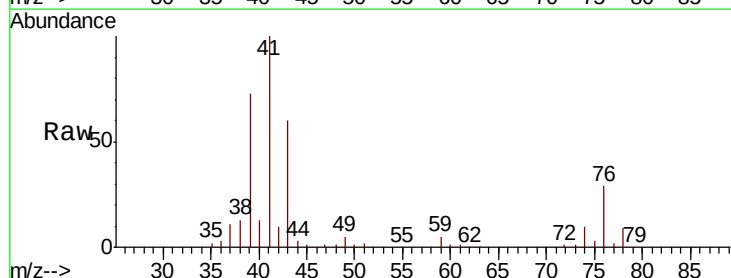
Instrument :
MSVOA_W
ClientSampleId :
VW0708SBSD01

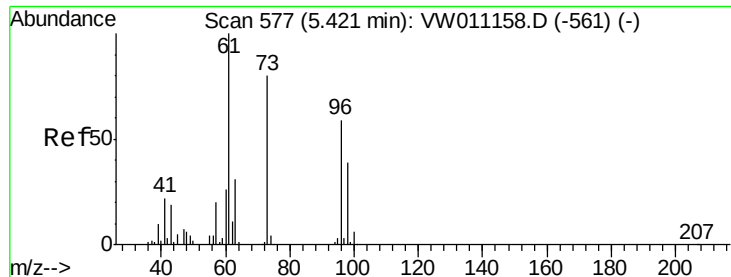
Tot Ion: 76 Resp: 148582
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 23.251 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion: 43 Resp: 47686
Ion Ratio Lower Upper
43 100
74 20.0 15.7 23.5

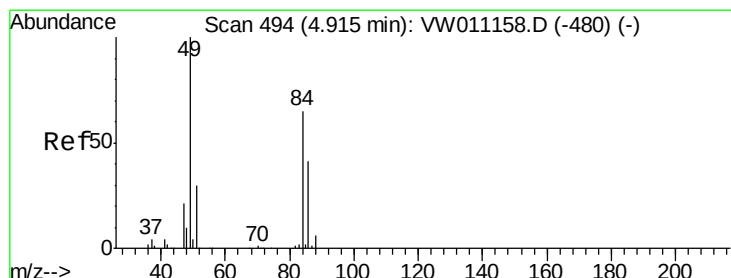
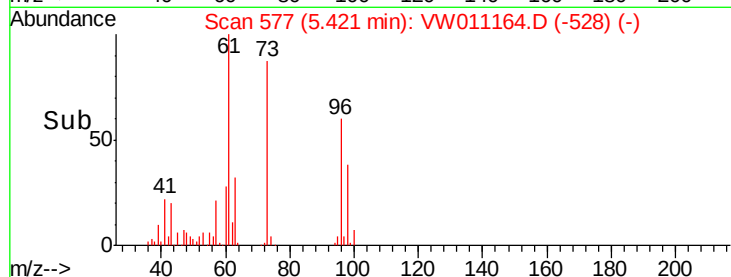
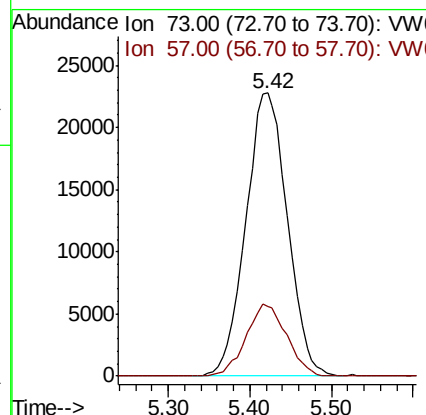
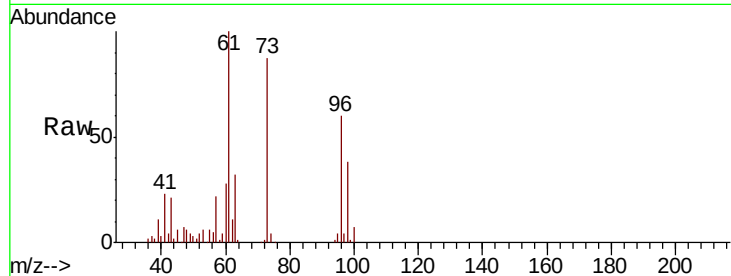




#19
Methyl tert-butyl Ether
Concen: 20.702 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

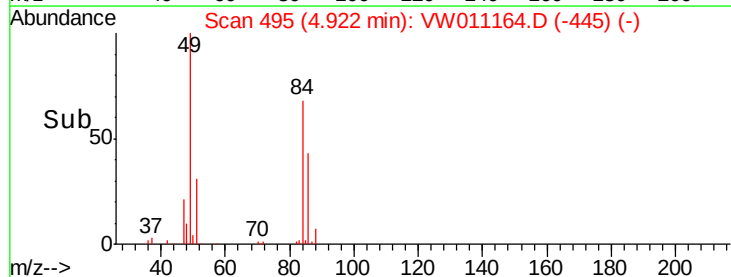
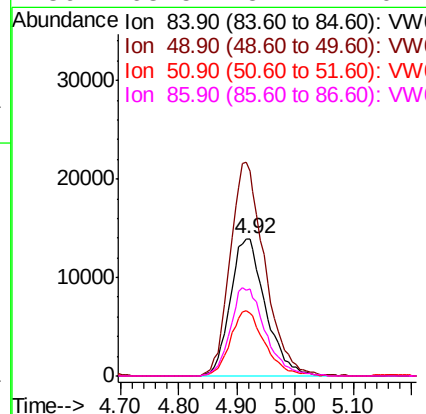
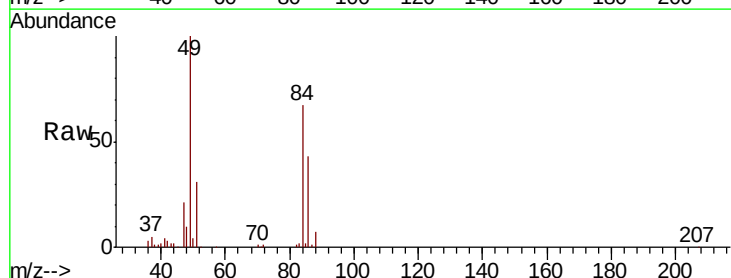
Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

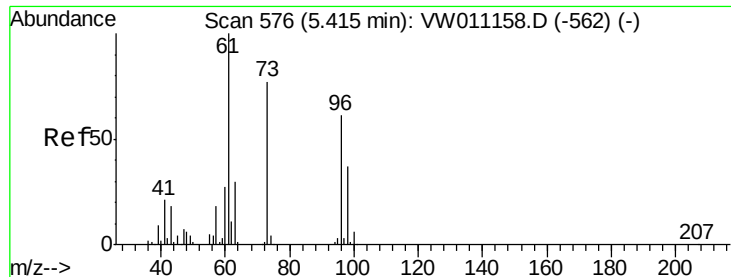
Tot Ion: 73 Resp: 80618
Ion Ratio Lower Upper
73 100
57 24.8 19.7 29.5



#20
Methylene Chloride
Concen: 21.239 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion: 84 Resp: 58524
Ion Ratio Lower Upper
84 100
49 148.5 123.8 185.6
51 45.8 37.4 56.2
86 63.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.621 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBSD01

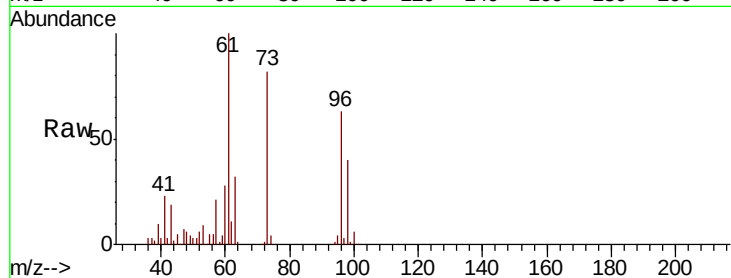
Tot Ion: 96 Resp: 52327

Ion Ratio Lower Upper

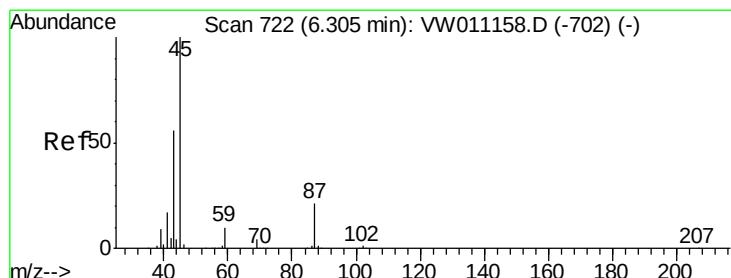
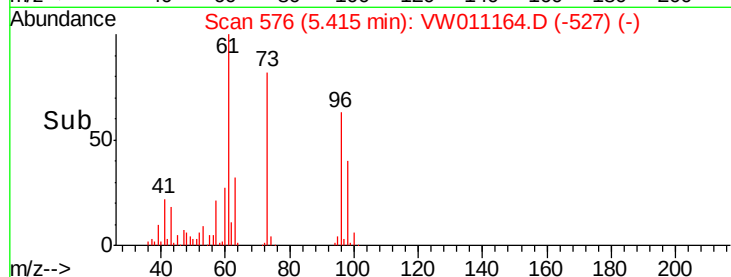
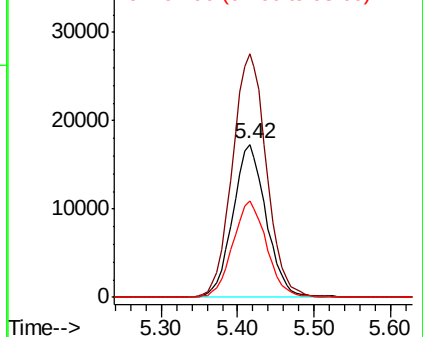
96 100

61 159.3 132.2 198.2

98 63.1 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: 20.317 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Tgt Ion: 45 Resp: 204518

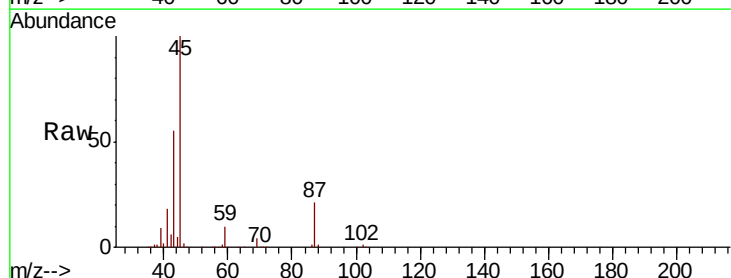
Ion Ratio Lower Upper

45 100

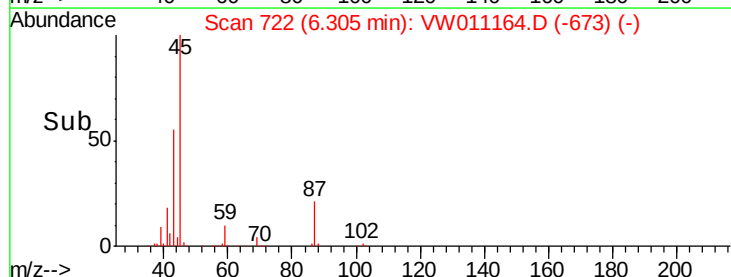
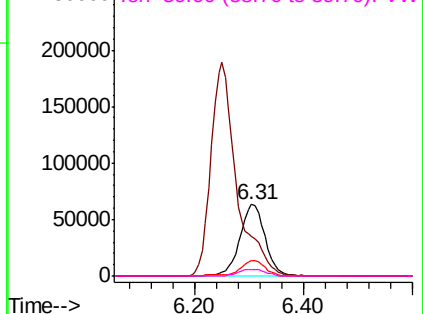
43 54.9 44.6 66.8

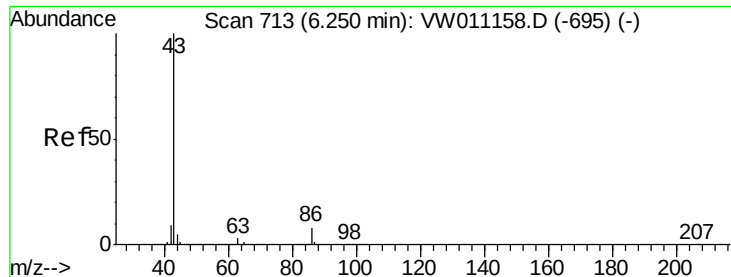
87 21.1 17.3 25.9

59 9.5 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: 99.547 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

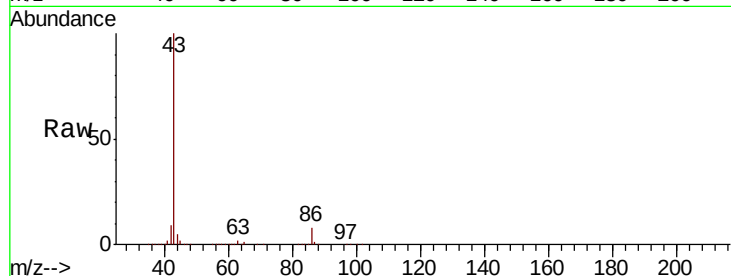
VW0708SBSD01

Tot Ion: 43 Resp: 620143

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

200000

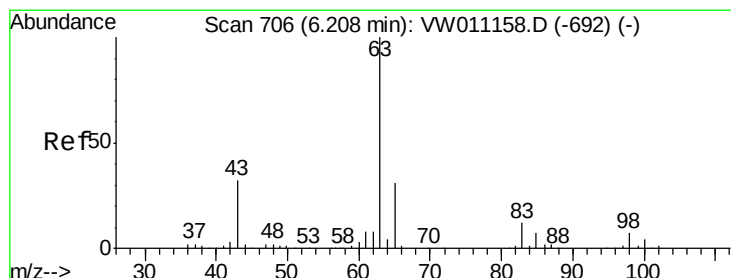
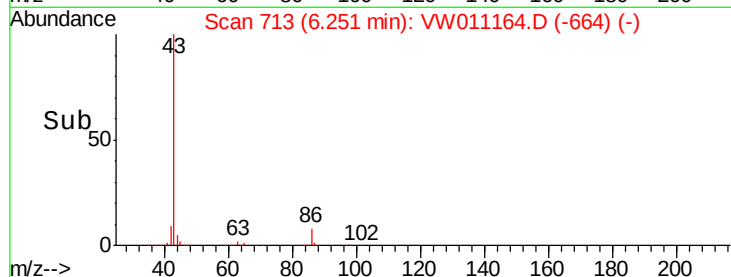
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.973 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

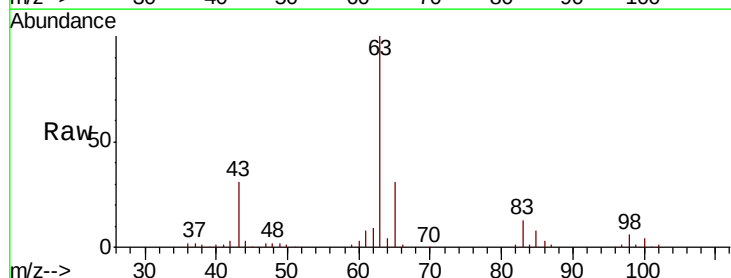
Tgt Ion: 63 Resp: 105573

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 3.9 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

40000

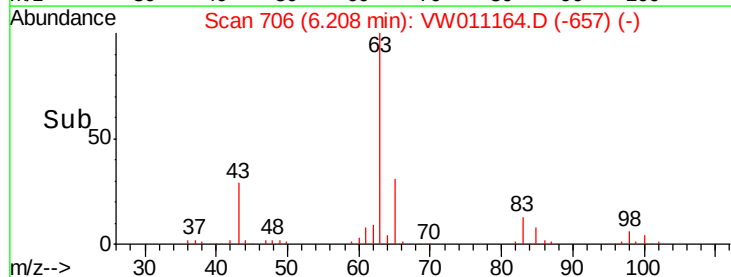
30000

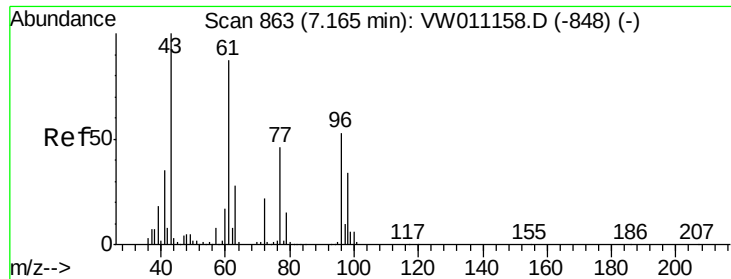
20000

10000

0

Time-->





#25

2-Butanone

Concen: 103.205 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

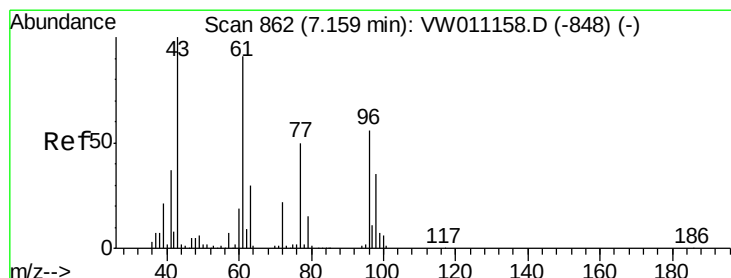
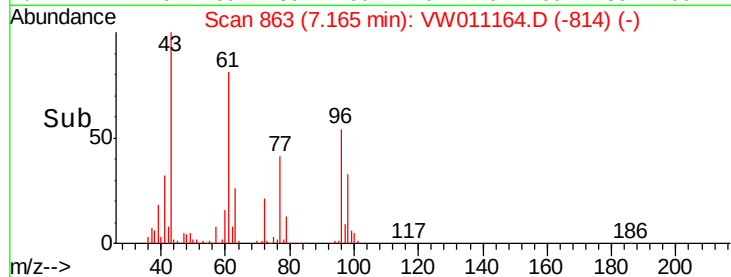
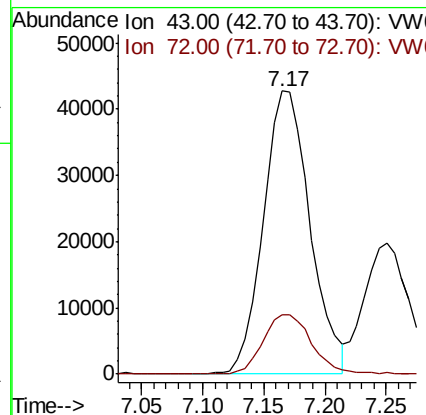
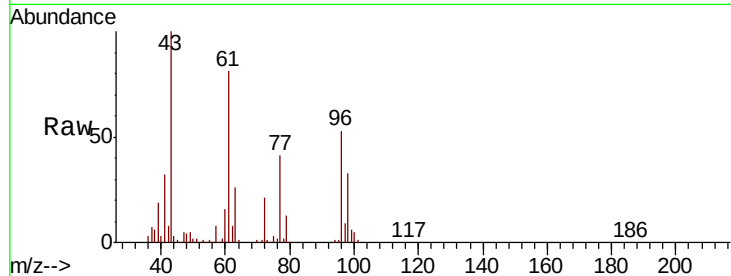
VW0708SBSD01

Tot Ion: 43 Resp: 113159

Ion Ratio Lower Upper

43 100

72 20.9 17.6 26.4



#26

2,2-Dichloropropane

Concen: 19.408 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011164.D

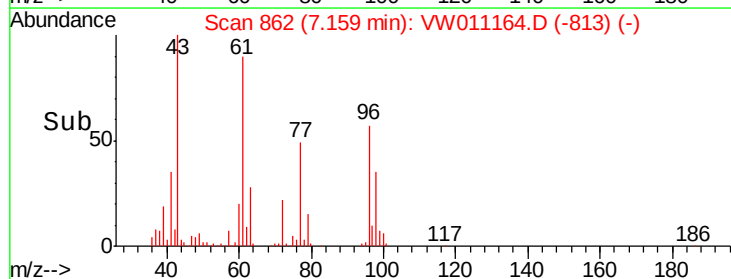
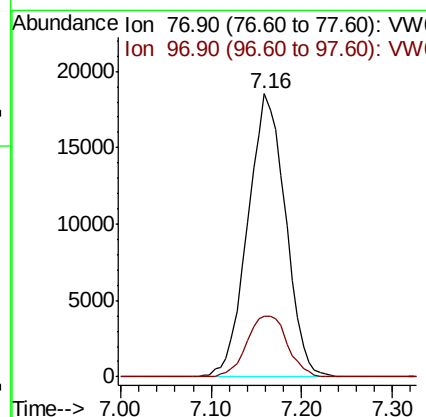
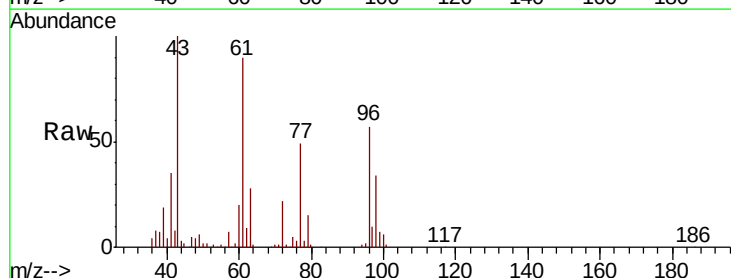
Acq: 08 Jul 2019 16:46

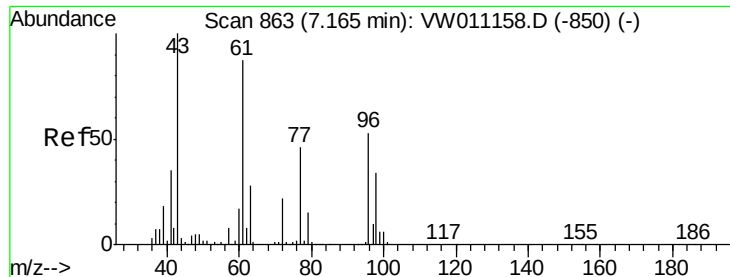
Tgt Ion: 77 Resp: 53327

Ion Ratio Lower Upper

77 100

97 23.0 11.2 33.5



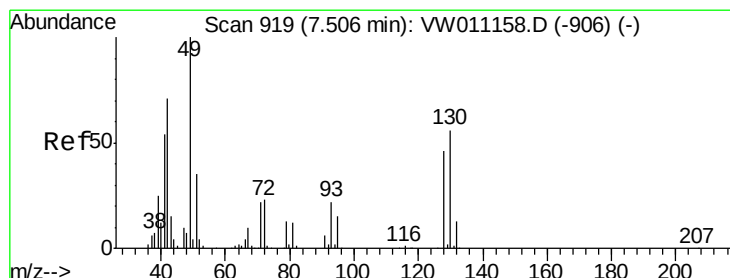
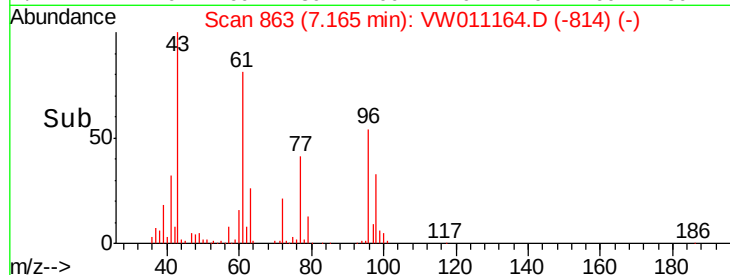
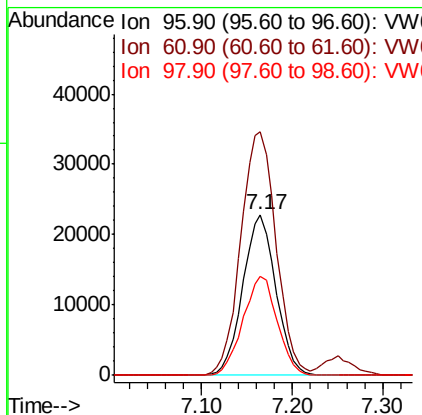
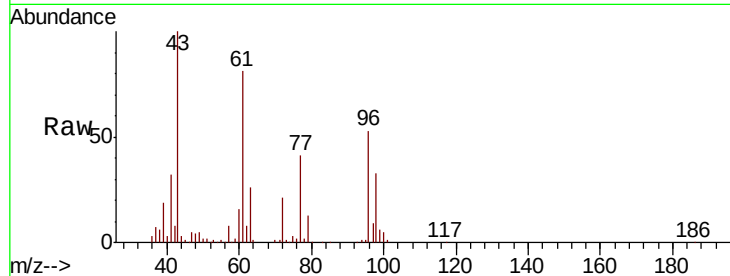


#27

cis-1,2-Dichloroethene
Concen: 20.078 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBSD01

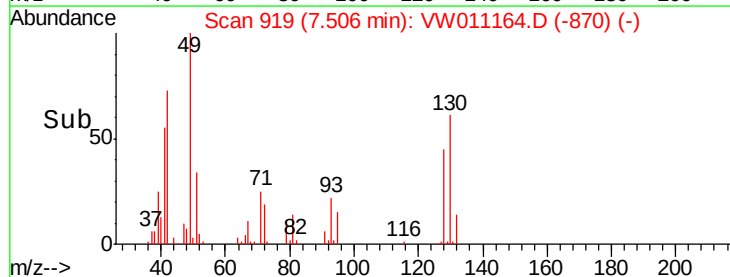
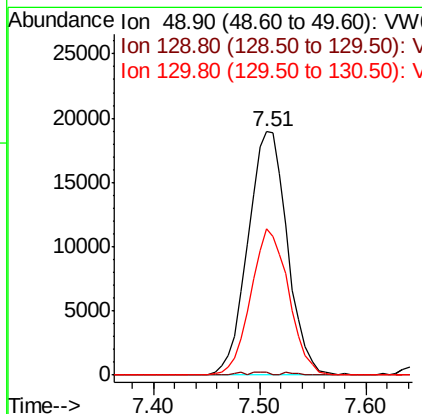
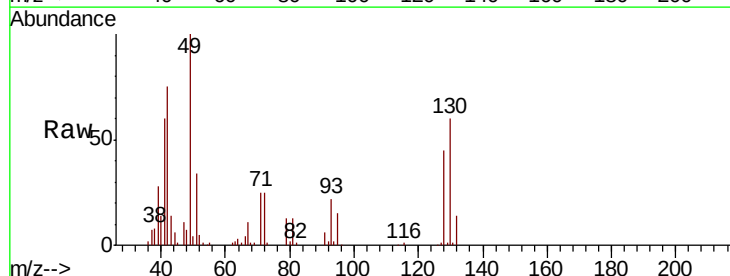
Tot Ion: 96 Resp: 57760
Ion Ratio Lower Upper
96 100
61 161.4 0.0 325.6
98 63.7 0.0 128.2

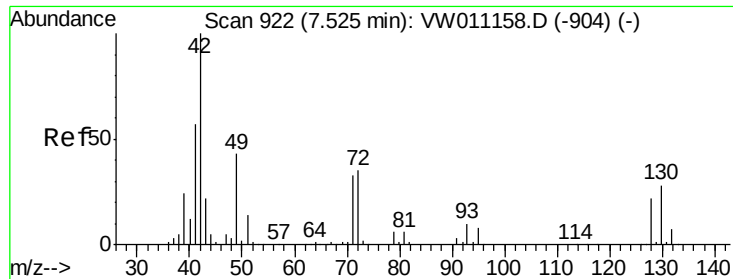


#28

Bromochloromethane
Concen: 20.457 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion: 49 Resp: 49169
Ion Ratio Lower Upper
49 100
129 0.5 0.0 1.4
130 57.4 45.8 68.8





#29

Tetrahydrofuran

Concen: 106.052 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

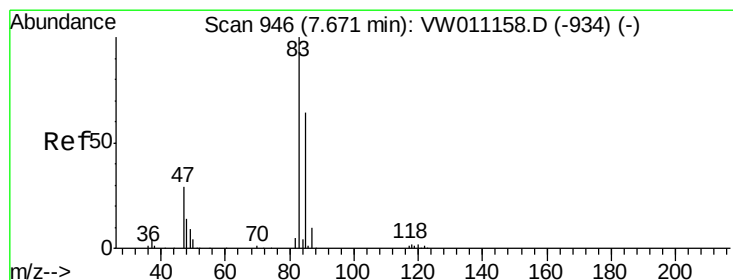
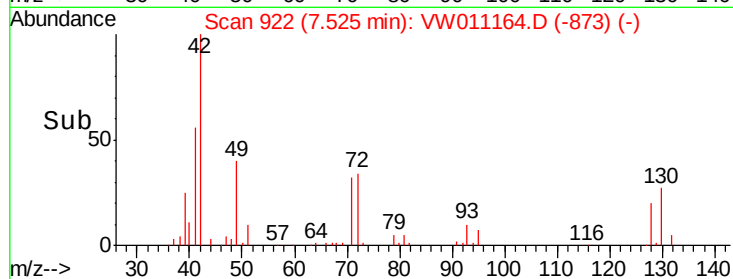
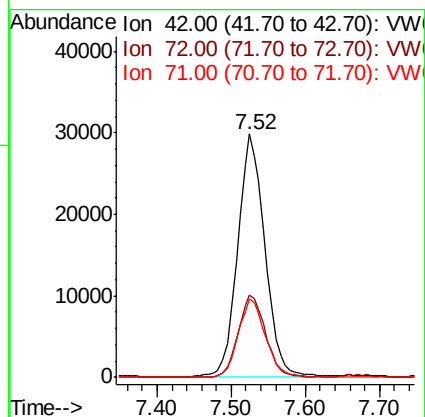
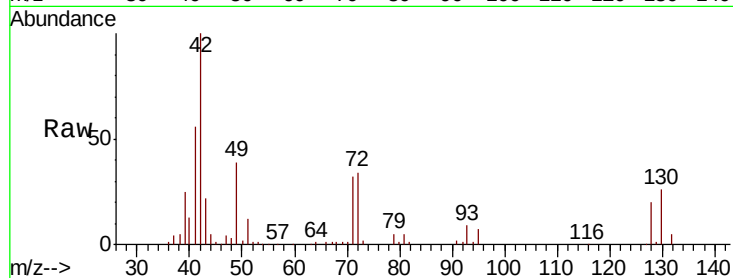
Tot Ion: 42 Resp: 76246

Ion Ratio Lower Upper

42 100

72 34.0 27.4 41.2

71 32.4 25.9 38.9



#30

Chloroform

Concen: 19.929 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW011164.D

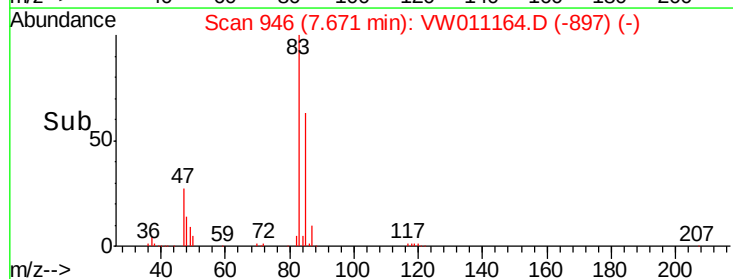
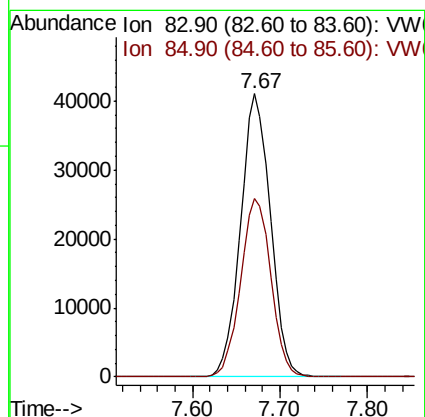
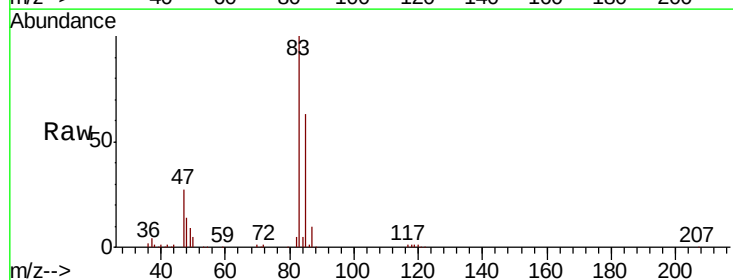
Acq: 08 Jul 2019 16:46

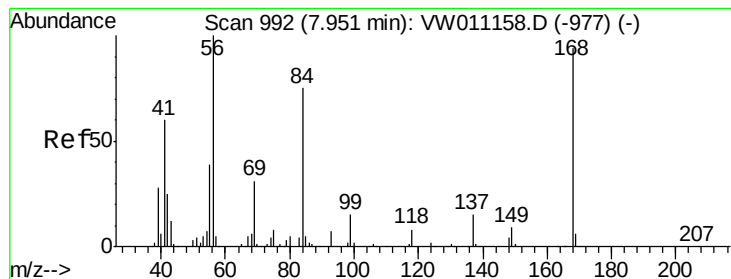
Tgt Ion: 83 Resp: 97559

Ion Ratio Lower Upper

83 100

85 62.8 51.4 77.2





#31

Cyclohexane

Concen: 19.837 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampled :

VW0708SBS01

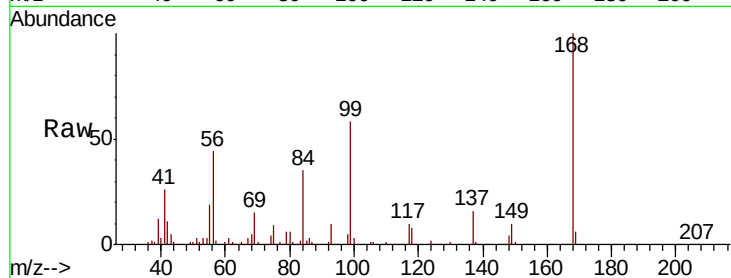
Tot Ion: 56 Resp: 111554

Ion Ratio Lower Upper

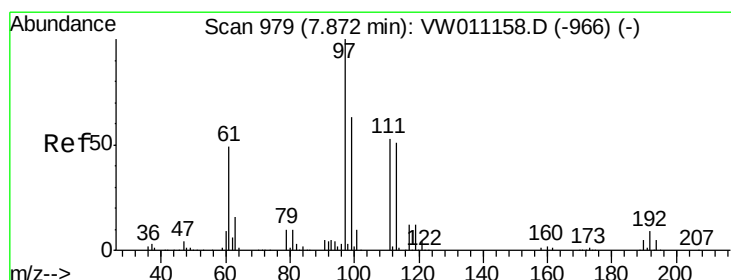
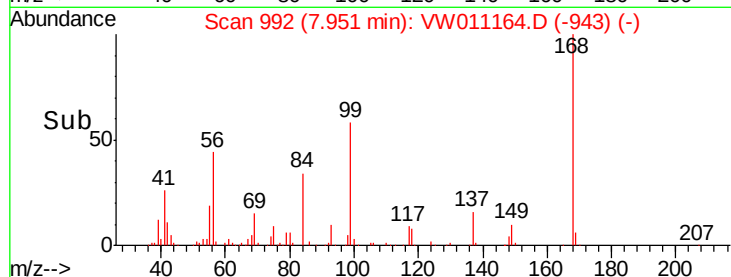
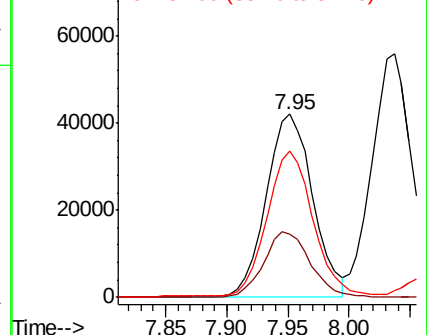
56 100

69 34.3 24.6 36.8

84 78.6 60.1 90.1



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



#32

1,1,1-Trichloroethane

Concen: 19.325 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

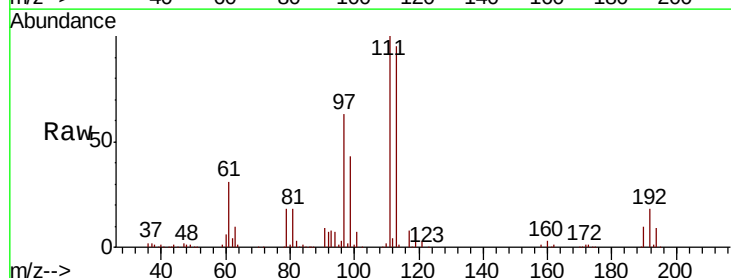
Tgt Ion: 97 Resp: 71963

Ion Ratio Lower Upper

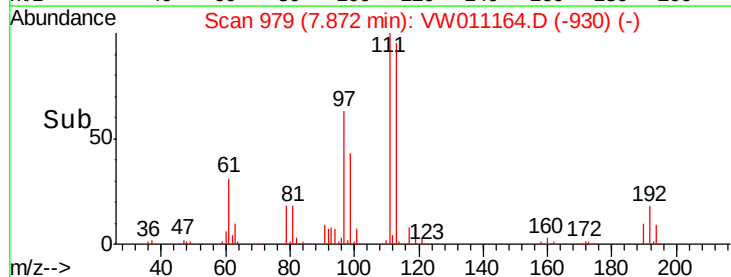
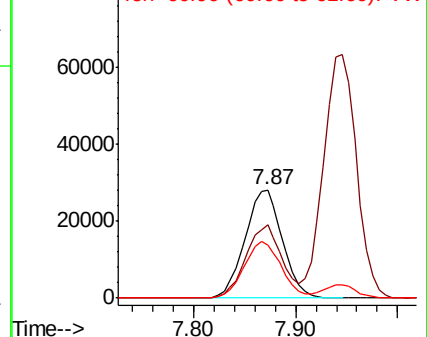
97 100

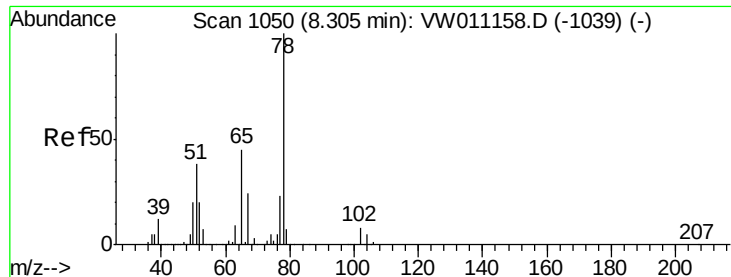
99 65.1 51.0 76.4

61 51.7 40.4 60.6



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

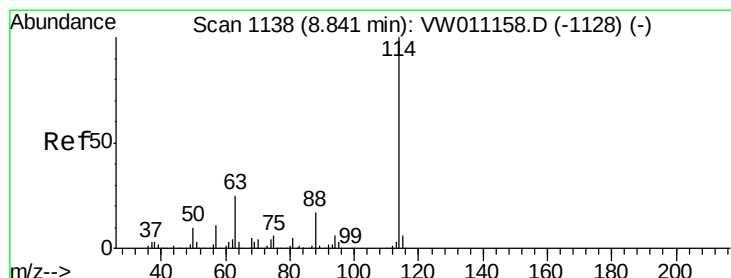
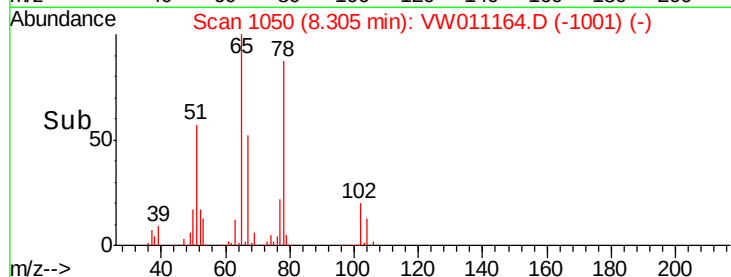
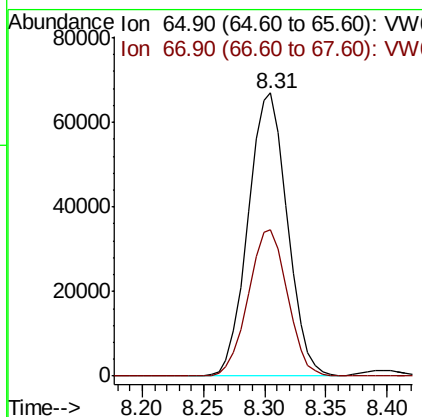
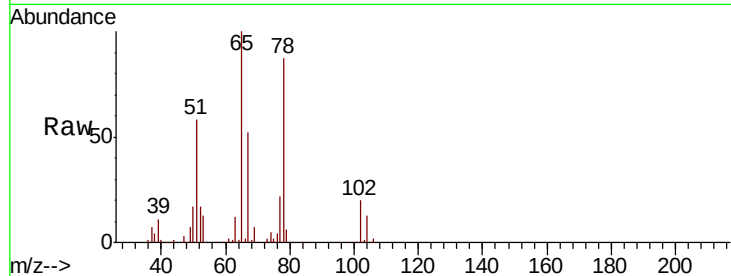




#33
 1,2-Dichloroethane-d4
 Concen: 51.546 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

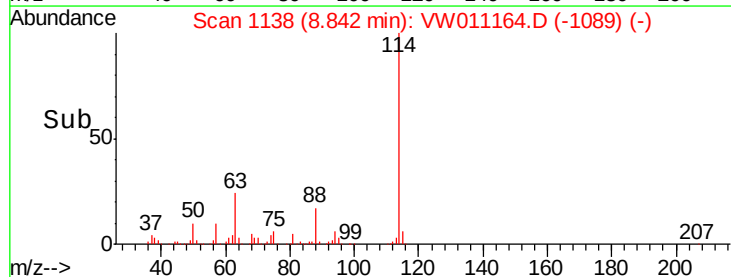
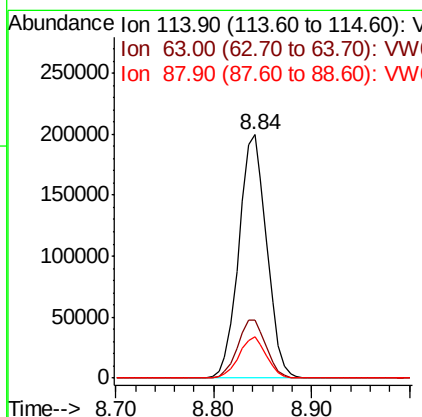
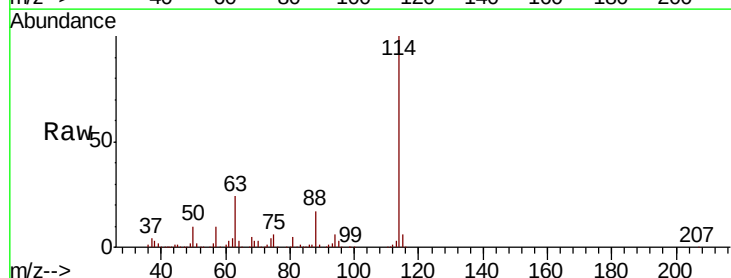
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBSD01

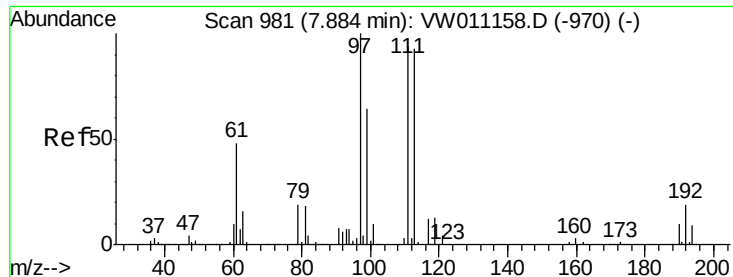
Tot Ion: 65 Resp: 149636
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Tgt Ion: 114 Resp: 392056
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 50.8
 88 17.1 0.0 34.2

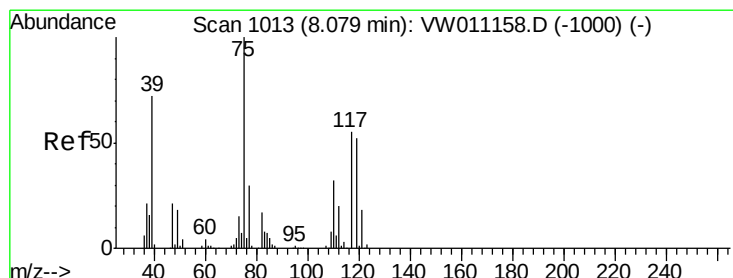
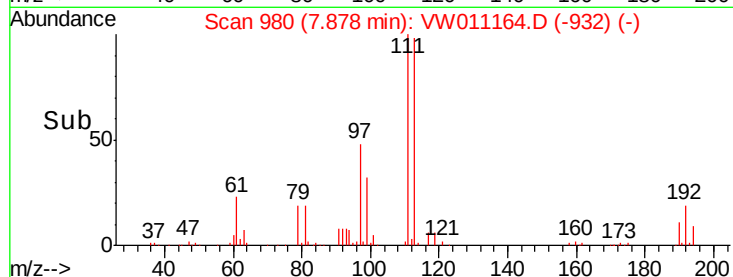
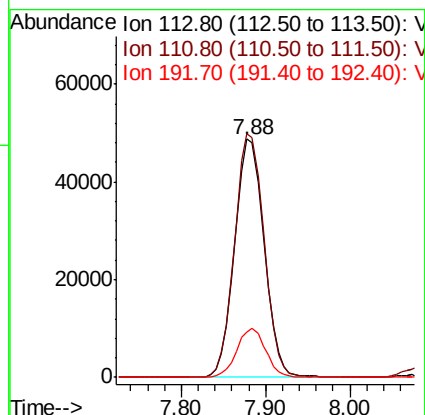
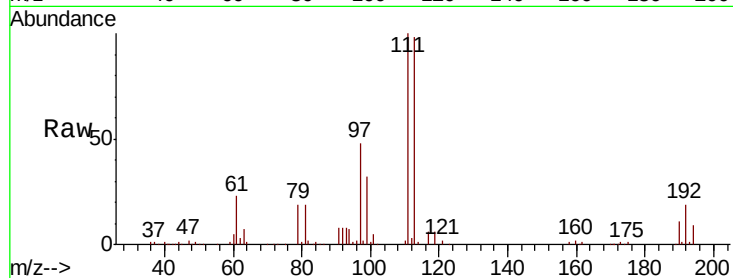




#35
 Dibromofluoromethane
 Concen: 49.432 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

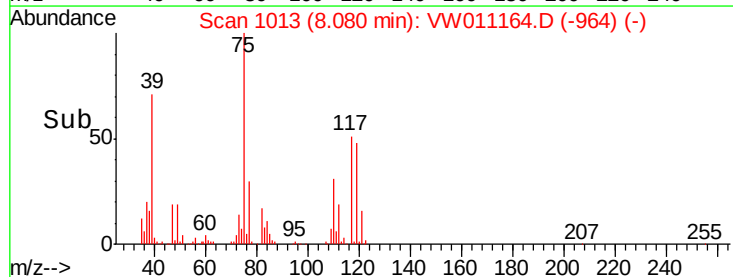
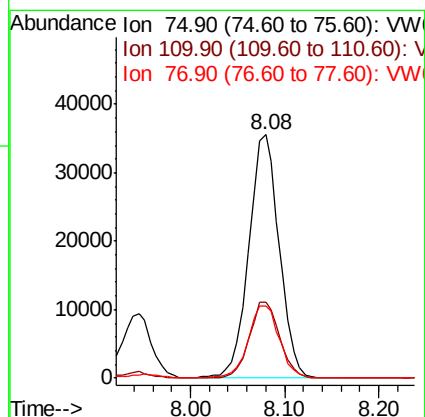
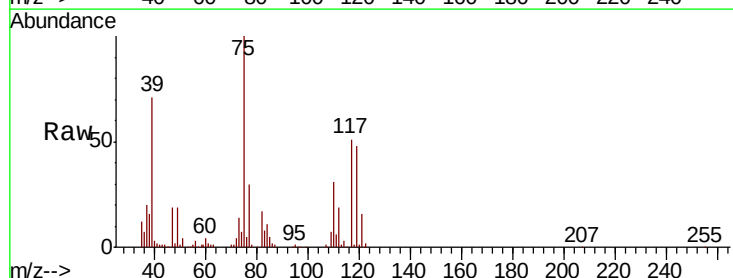
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

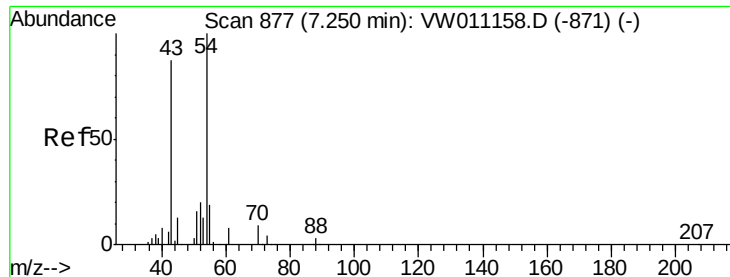
Tot Ion:113 Resp: 115514
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.4 123.6
 192 19.9 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 19.342 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Tgt Ion: 75 Resp: 80753
 Ion Ratio Lower Upper
 75 100
 110 31.1 15.9 47.6
 77 30.6 24.6 36.8

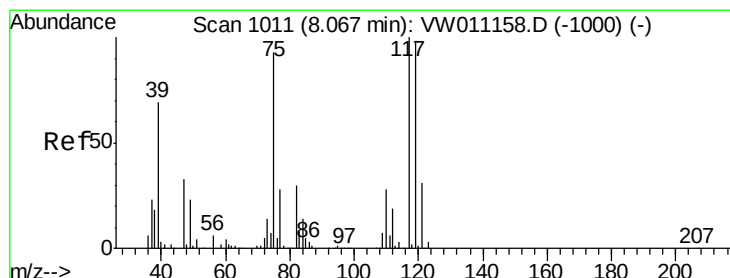
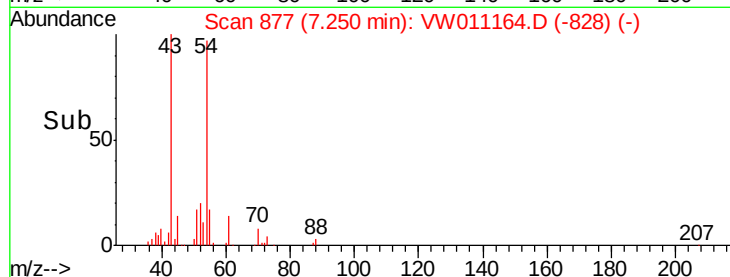
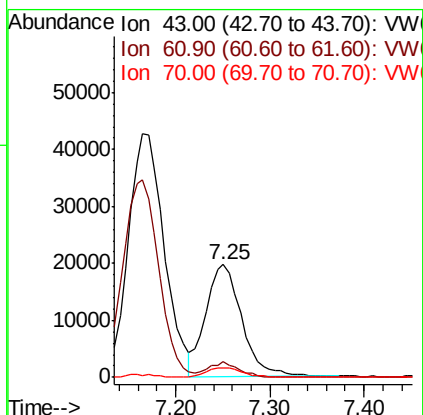
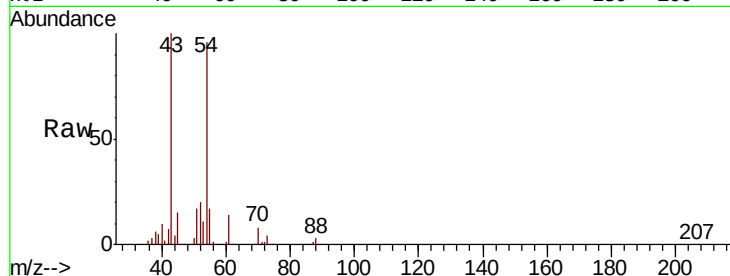




#37
Ethyl Acetate
Concen: 20.777 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

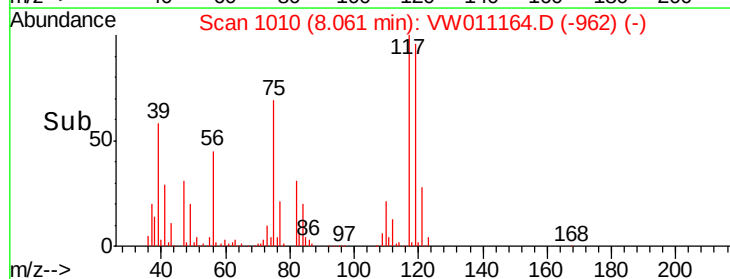
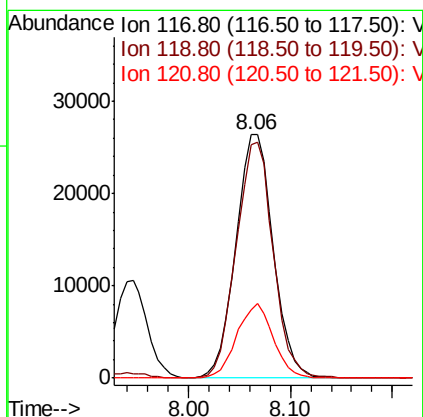
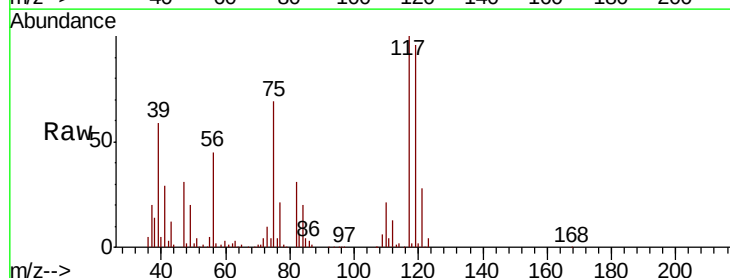
Instrument :
MSVOA_W
ClientSampled :
VW0708SBS01

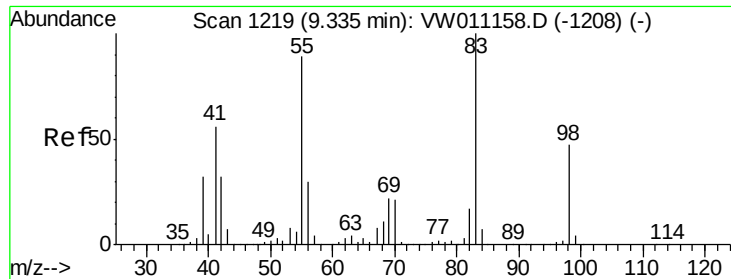
Tot Ion: 43 Resp: 52119
Ion Ratio Lower Upper
43 100
61 12.2 9.5 14.3
70 8.9 7.1 10.7



#38
Carbon Tetrachloride
Concen: 18.986 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion: 117 Resp: 67196
Ion Ratio Lower Upper
117 100
119 96.0 78.1 117.1
121 27.9 25.1 37.7

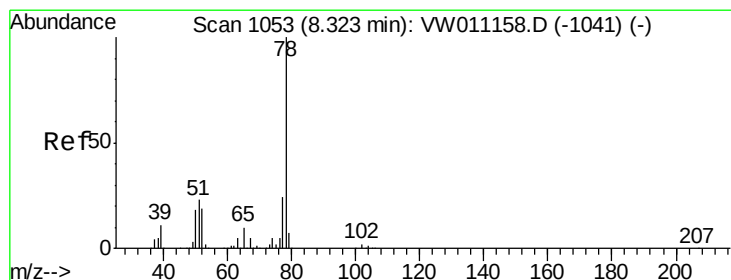
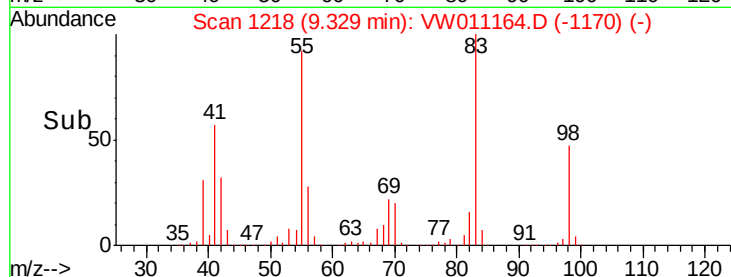
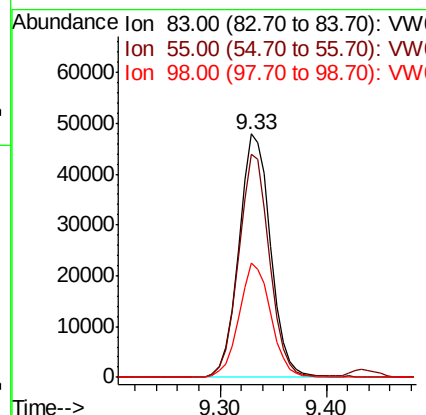
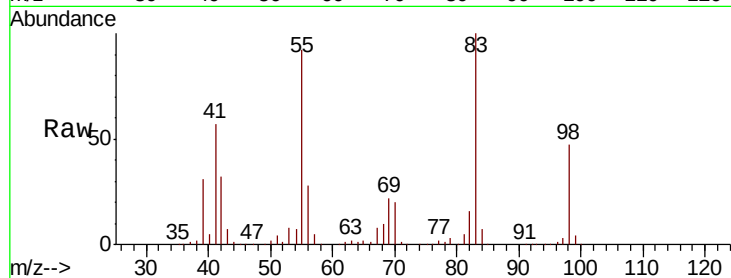




#39
Methylvlcyclohexane
Concen: 19.778 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

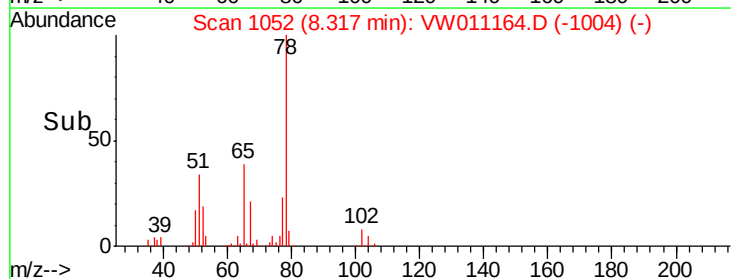
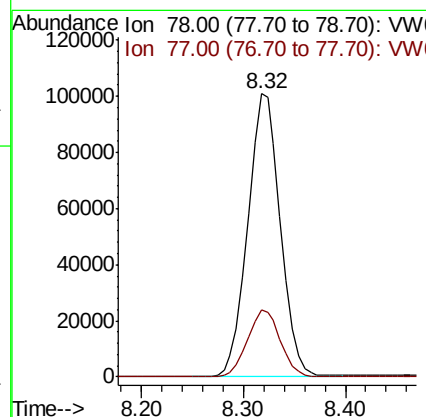
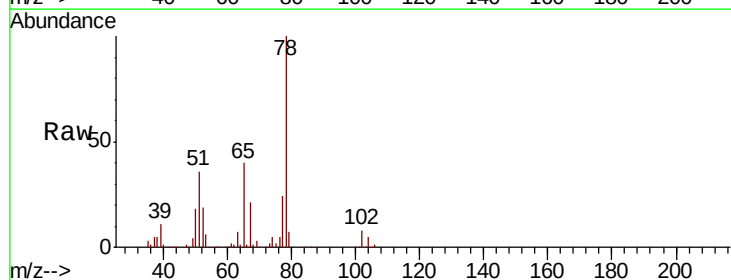
Instrument :
MSVOA_W
ClientSampleId :
VW0708SBSD01

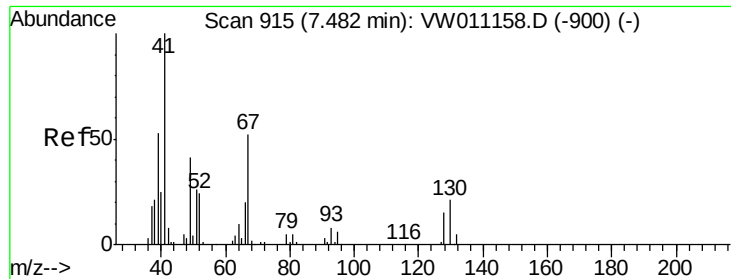
Tot Ion: 83 Resp: 100083
Ion Ratio Lower Upper
83 100
55 91.7 71.2 106.8
98 47.0 37.5 56.3



#40
Benzene
Concen: 19.415 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion: 78 Resp: 224009
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6

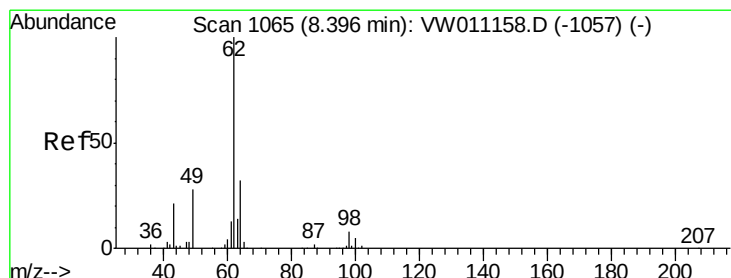
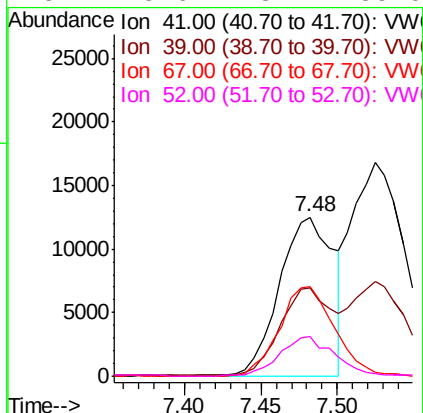
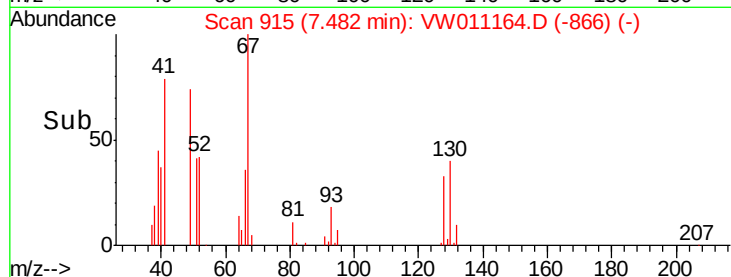
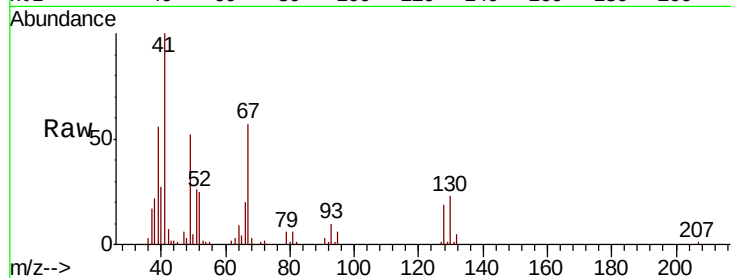




#41
Methacrylonitrile
Concen: 21.555 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

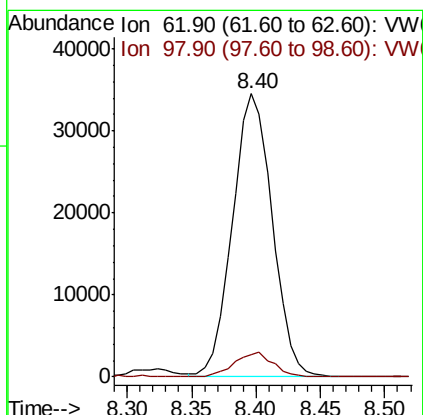
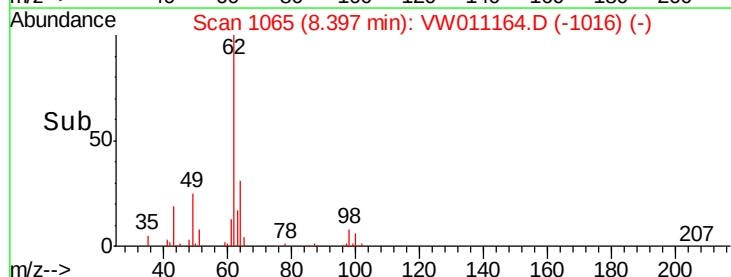
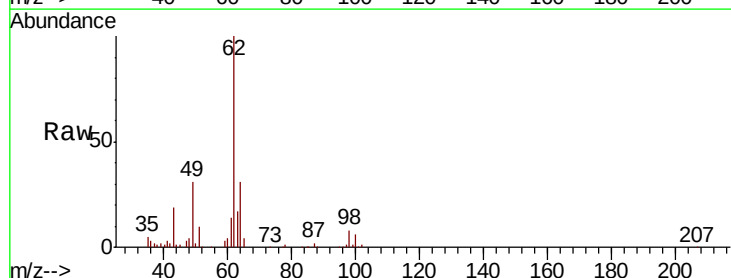
Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

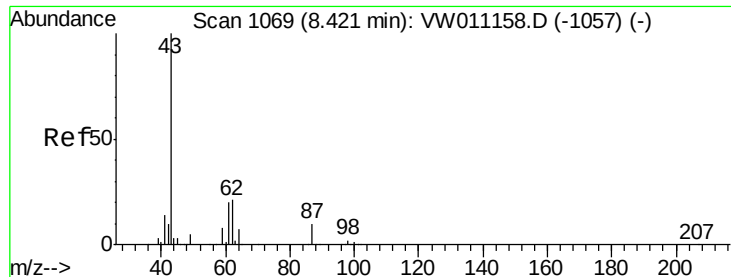
Tot Ion:	41	Resp:	30925
Ion	Ratio	Lower	Upper
41	100		
39	52.7	48.0	72.0
67	57.2	49.7	74.5
52	25.6	23.4	35.0



#42
1,2-Dichloroethane
Concen: 19.799 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion:	62	Resp:	74107
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8





#43

Isopropyl Acetate

Concen: 20.371 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

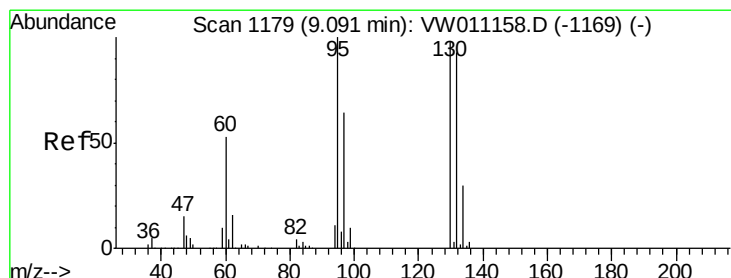
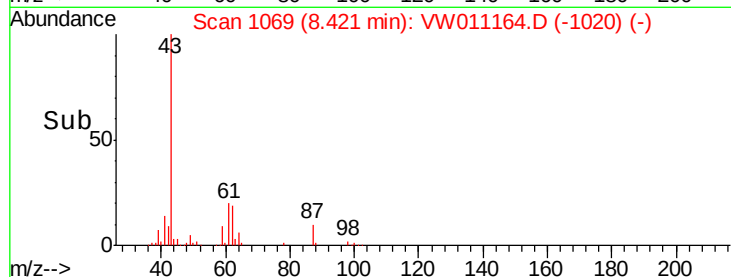
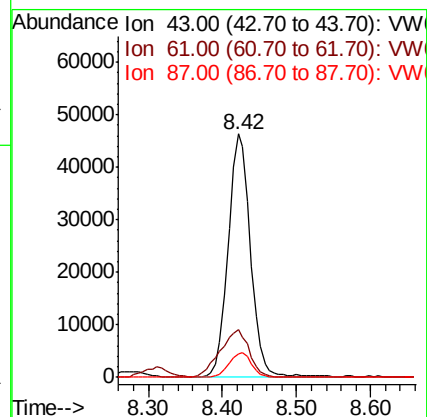
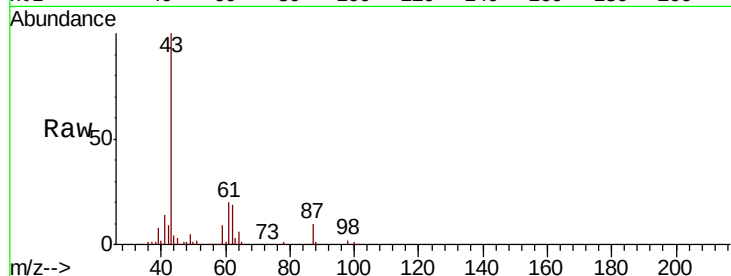
Tot Ion: 43 Resp: 96477

Ion Ratio Lower Upper

43 100

61 25.7 20.7 31.1

87 10.4 8.1 12.1



#44

Trichloroethene

Concen: 19.077 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011164.D

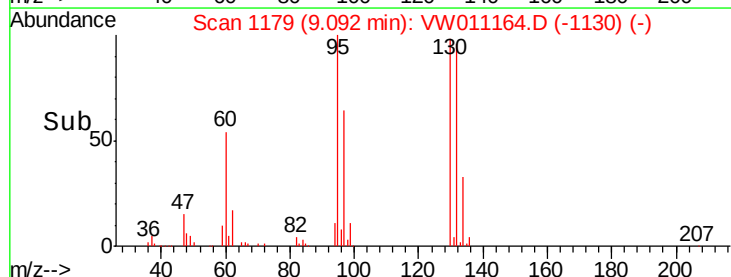
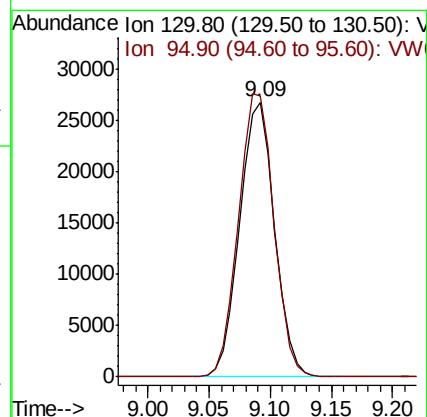
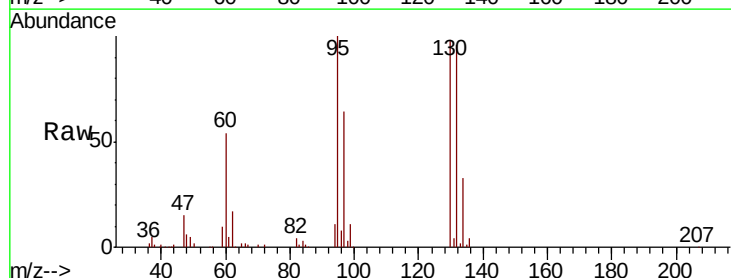
Acq: 08 Jul 2019 16:46

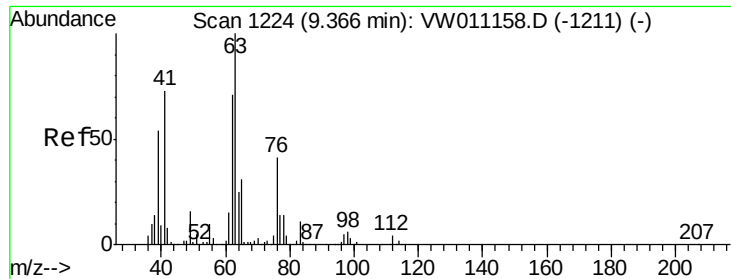
Tgt Ion: 130 Resp: 52968

Ion Ratio Lower Upper

130 100

95 102.4 0.0 203.6

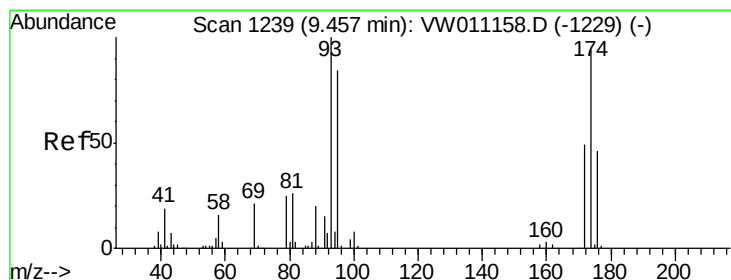
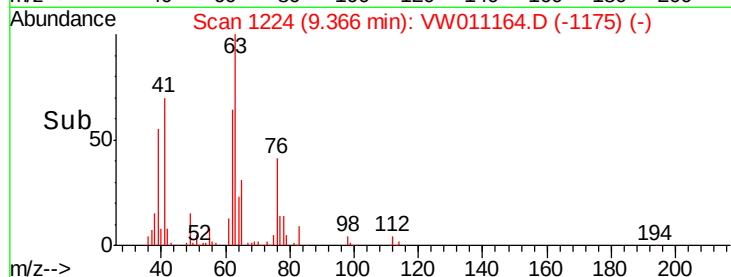
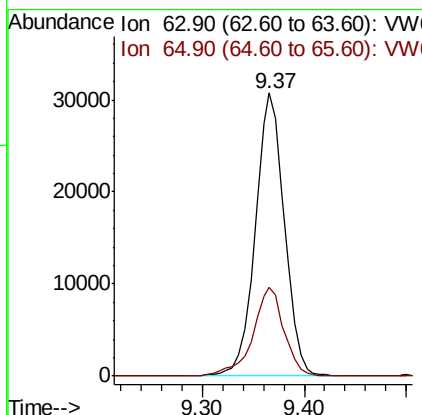
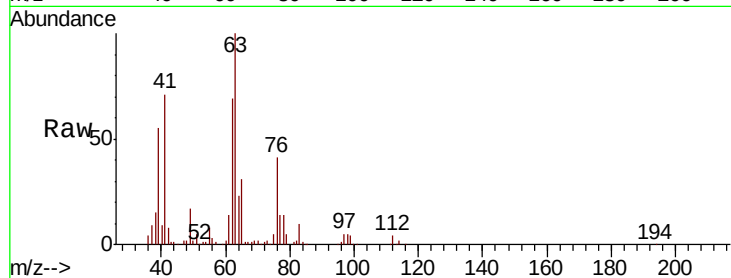




#45
 1,2-Dichloropropane
 Concen: 19.513 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

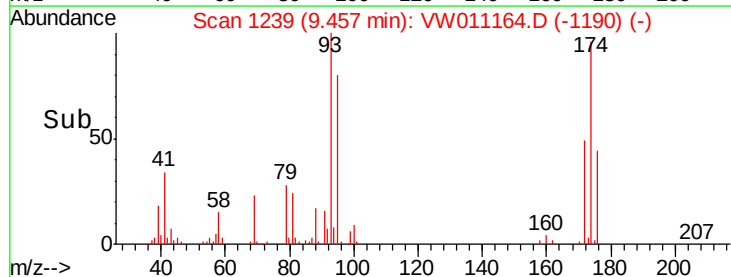
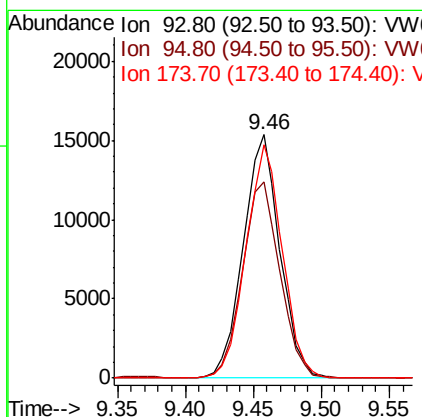
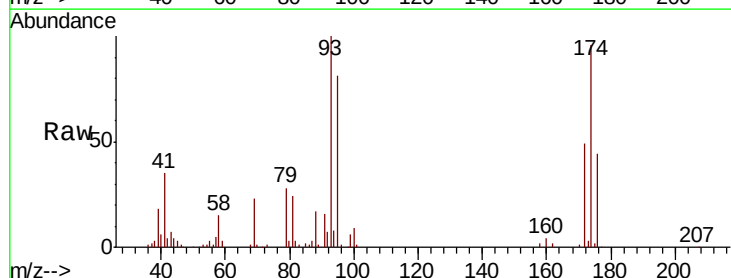
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

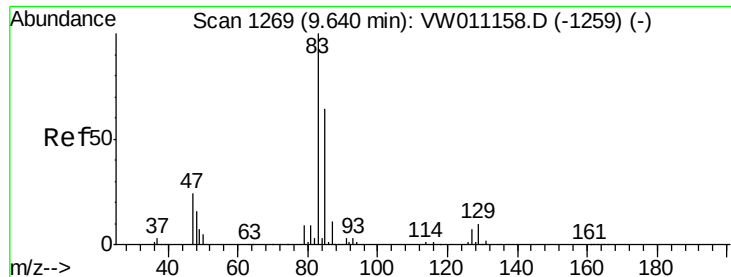
Tot Ion: 63 Resp: 60969
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.4 36.6



#46
 Dibromomethane
 Concen: 19.720 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Tgt Ion: 93 Resp: 28944
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.2 100.8
 174 95.3 76.3 114.5

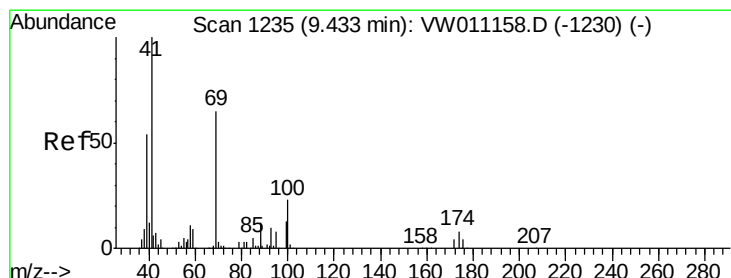
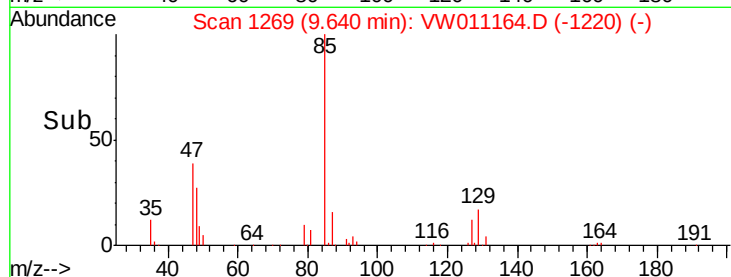
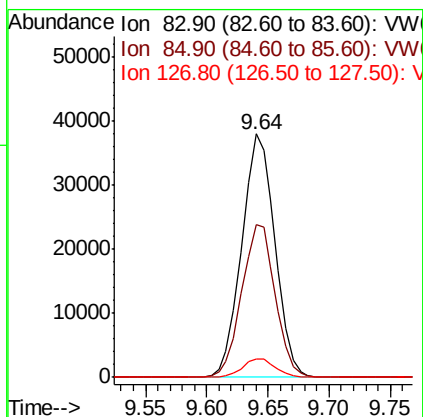
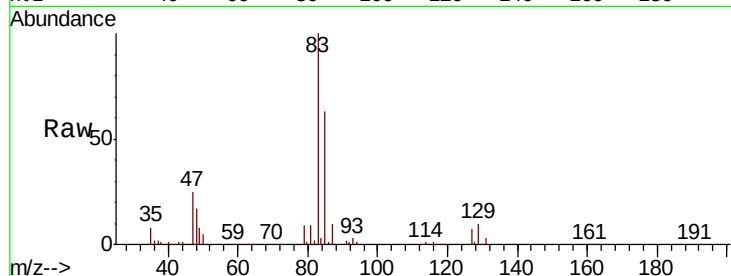




#47
Bromodichloromethane
Concen: 19.064 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

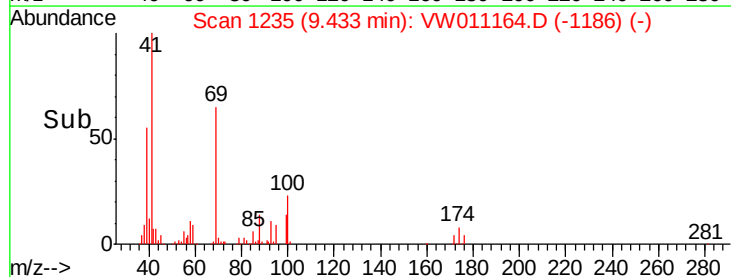
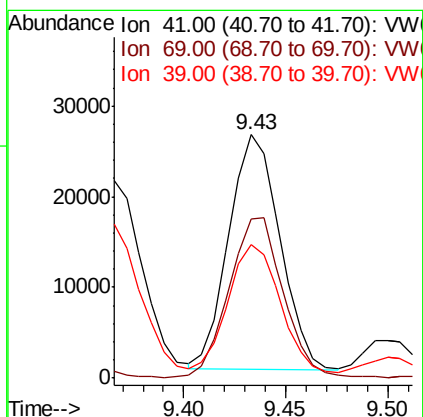
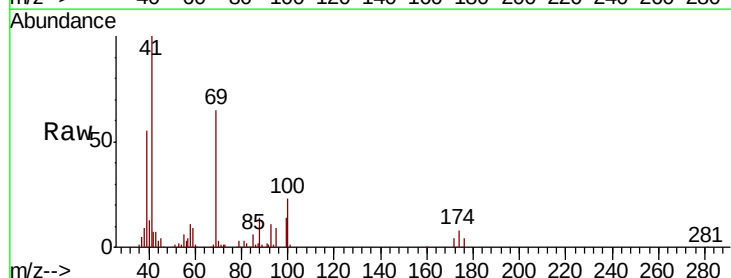
Instrument :
MSVOA_W
ClientSampleId :
VW0708SBSD01

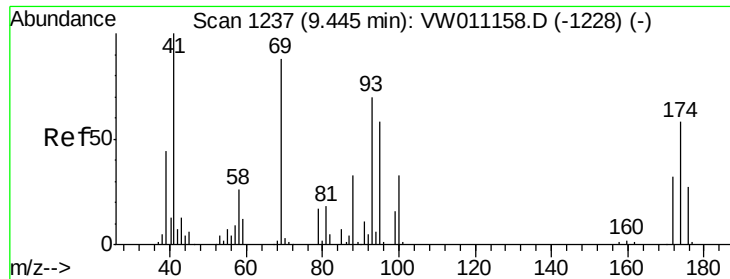
Tot Ion: 83 Resp: 71595
Ion Ratio Lower Upper
83 100
85 62.8 51.0 76.4
127 7.5 6.0 9.0



#48
Methyl methacrylate
Concen: 19.754 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion: 41 Resp: 45008
Ion Ratio Lower Upper
41 100
69 72.1 56.0 84.0
39 55.4 43.5 65.3





#49

1,4-Dioxane

Concen: 403.567 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampled :

VW0708SBS01

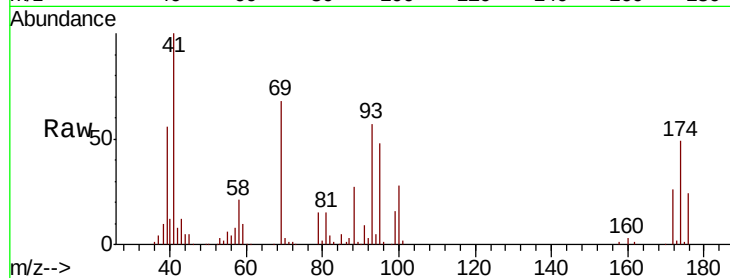
Tot Ion: 88 Resp: 9887

Ion Ratio Lower Upper

88 100

43 44.2 33.4 50.0

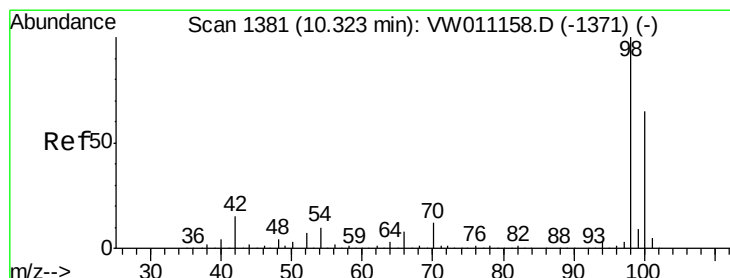
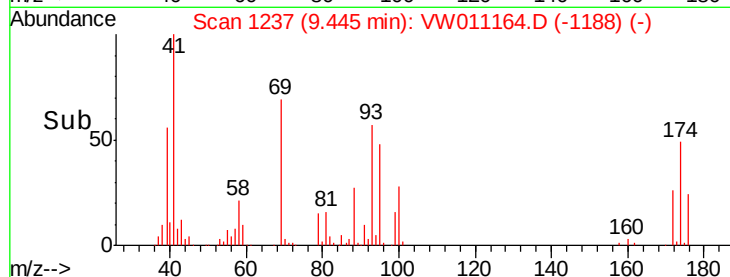
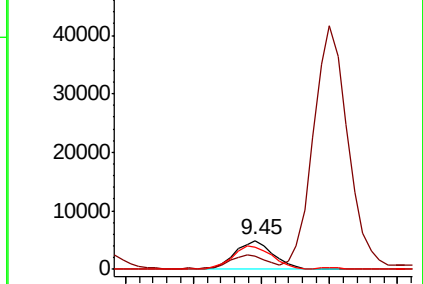
58 84.6 64.5 96.7



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: 49.823 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011164.D

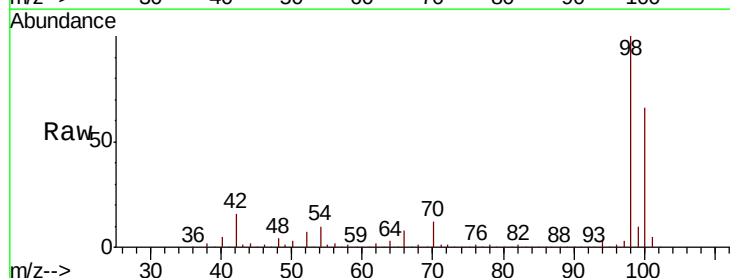
Acq: 08 Jul 2019 16:46

Tgt Ion: 98 Resp: 470620

Ion Ratio Lower Upper

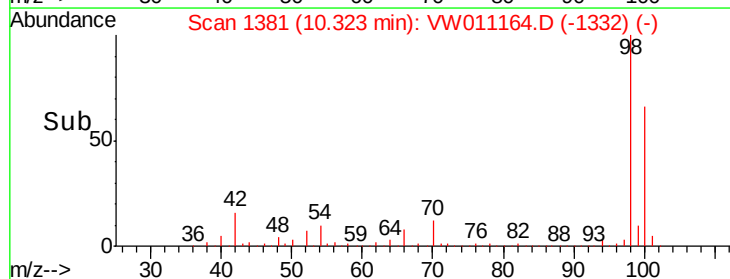
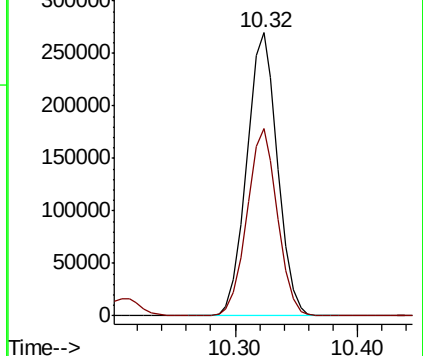
98 100

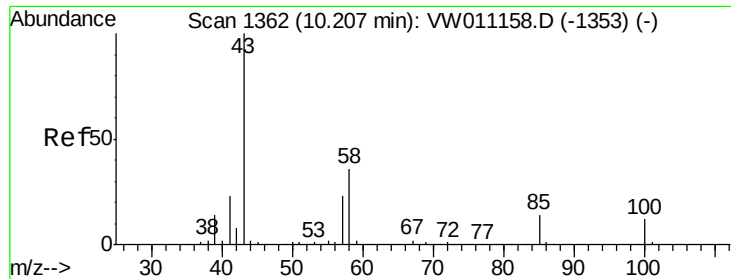
100 65.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

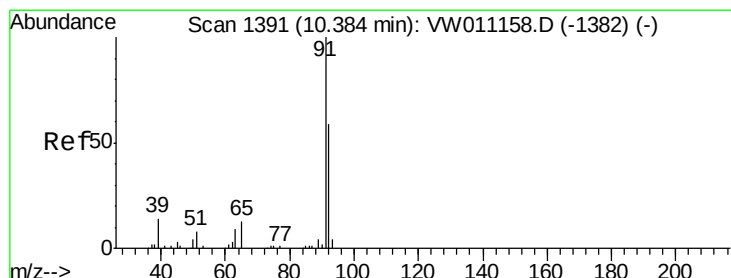
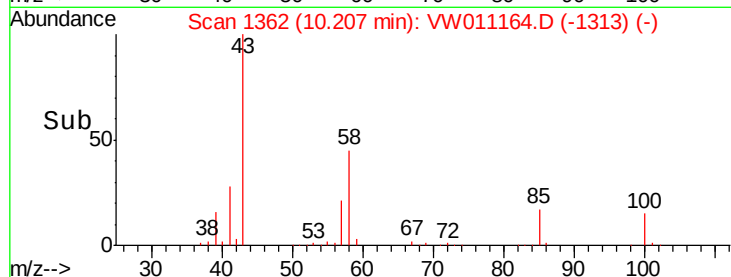
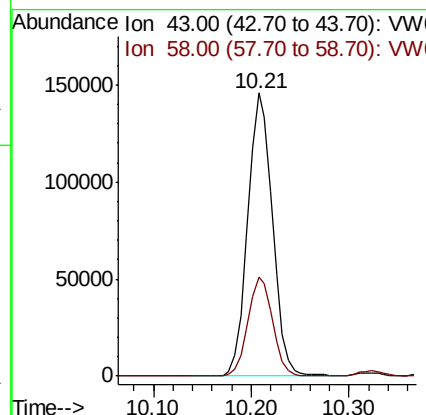
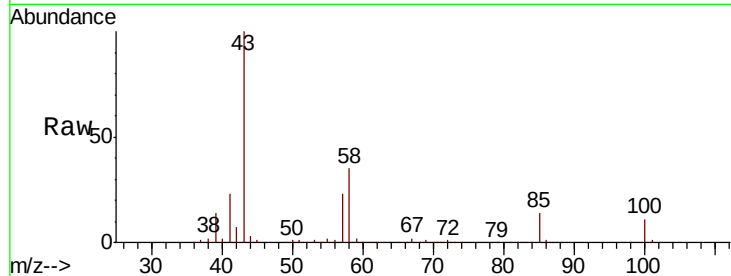




#51
4-Methyl-2-Pentanone
Concen: 103.302 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

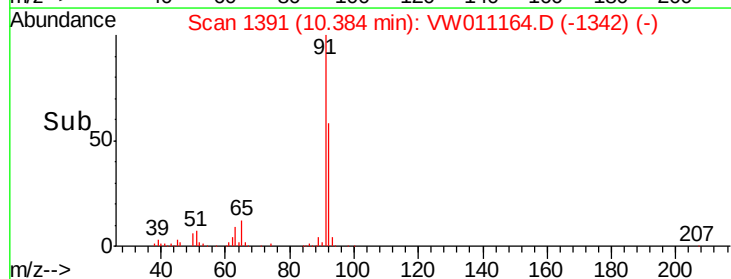
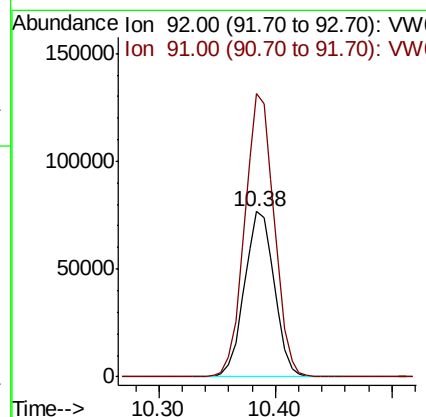
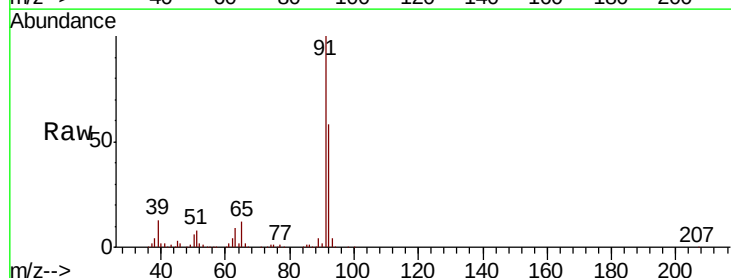
Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

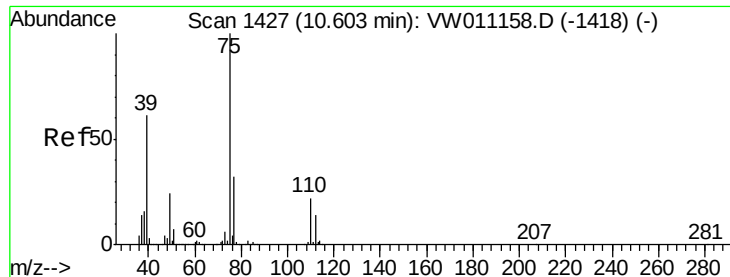
Tot Ion: 43 Resp: 255564
Ion Ratio Lower Upper
43 100
58 35.0 28.2 42.2



#52
Toluene
Concen: 19.596 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion: 92 Resp: 137154
Ion Ratio Lower Upper
92 100
91 169.4 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 18.799 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

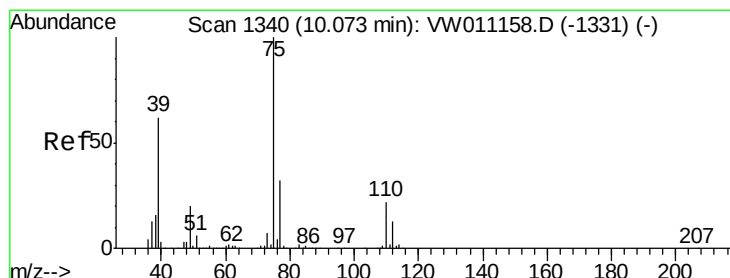
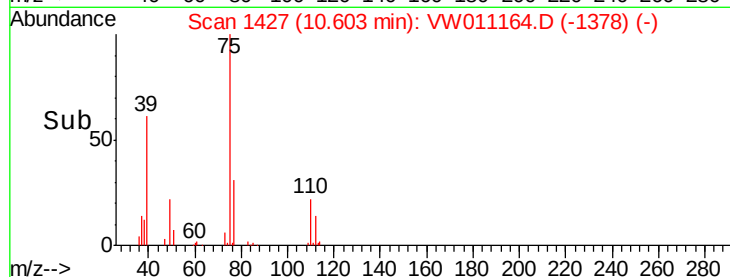
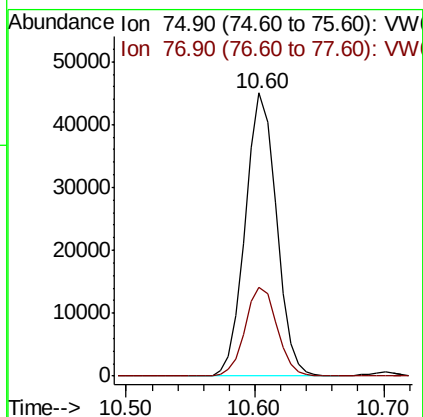
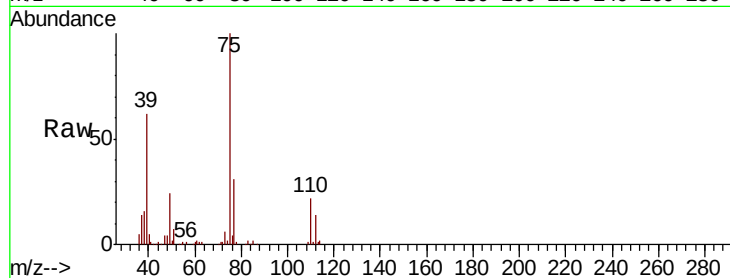
VW0708SBSD01

Tot Ion: 75 Resp: 75147

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 18.893 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

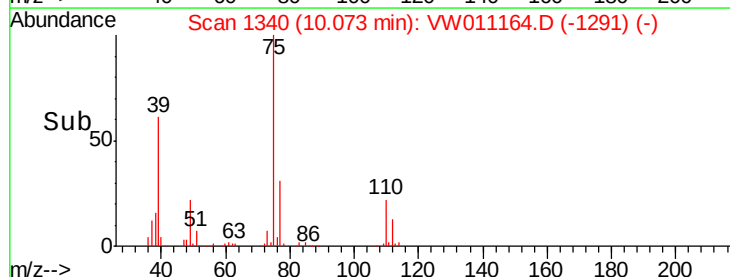
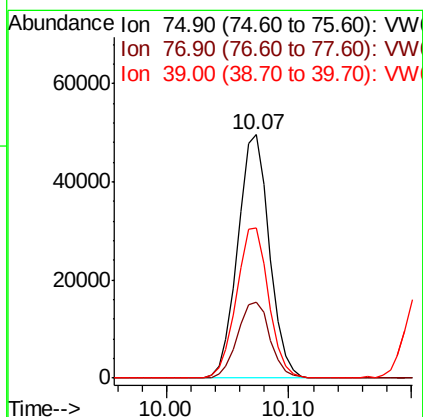
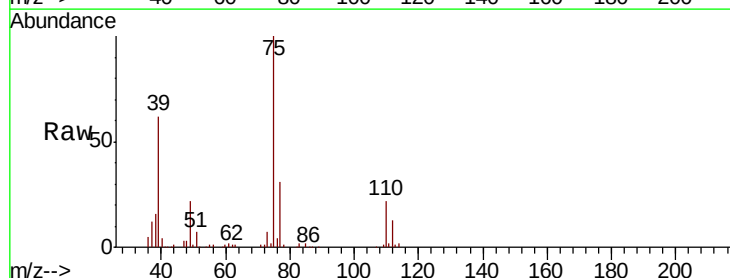
Tgt Ion: 75 Resp: 88897

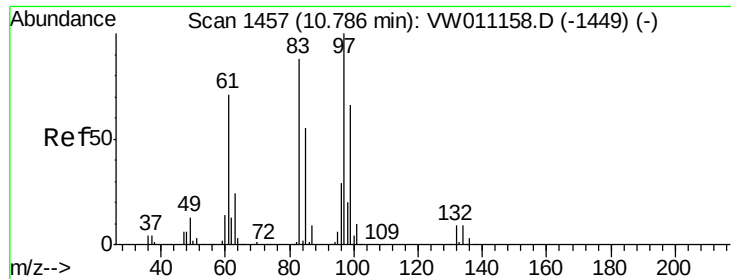
Ion Ratio Lower Upper

75 100

77 31.2 25.7 38.5

39 61.6 49.8 74.8



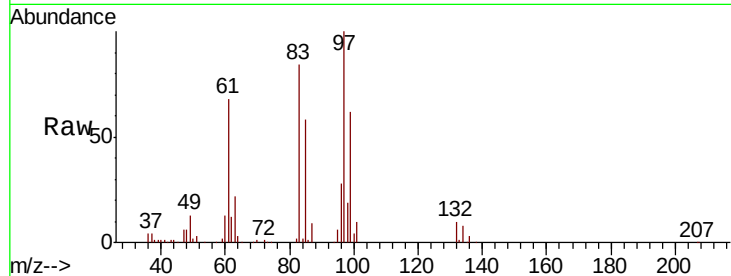


#55
 1,1,2-Trichloroethane
 Concen: 19.855 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion: 97 Resp: 41343

Ion	Ratio	Lower	Upper
97	100		
83	83.9	70.2	105.4
85	57.5	44.2	66.2
99	61.5	52.6	79.0



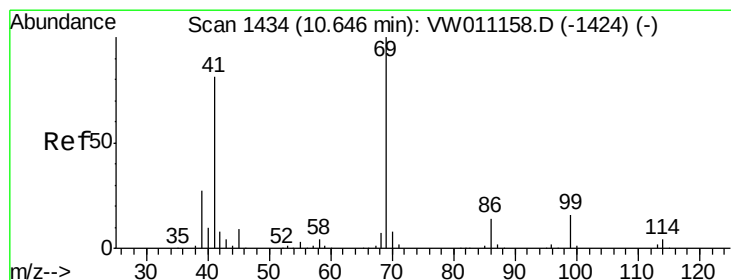
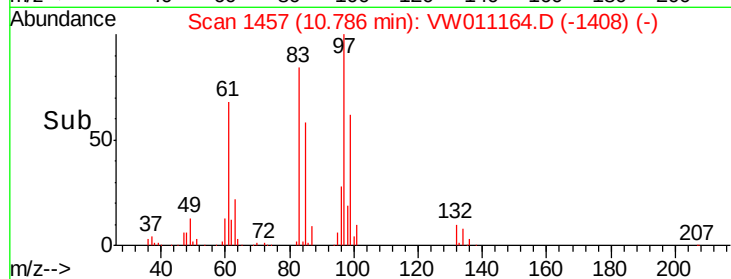
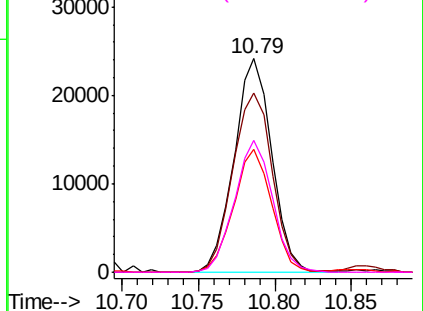
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

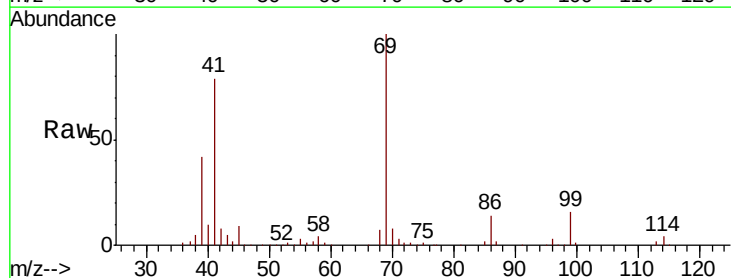
Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 20.210 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Tgt Ion: 69 Resp: 64067

Ion	Ratio	Lower	Upper
69	100		
41	81.9	66.5	99.7
39	39.1	32.5	48.7

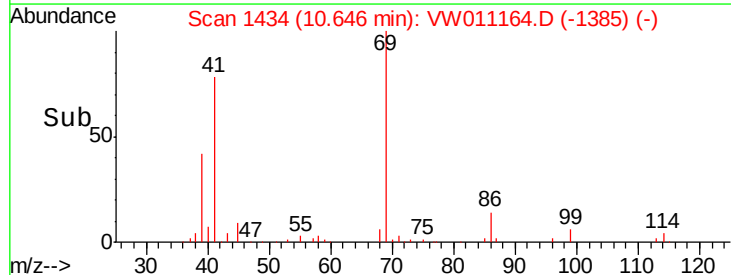
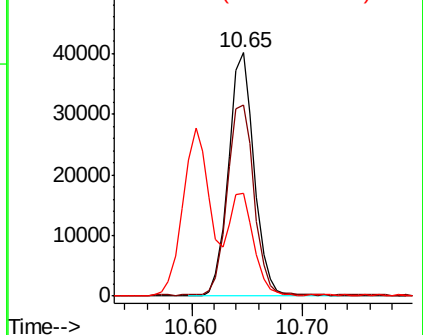


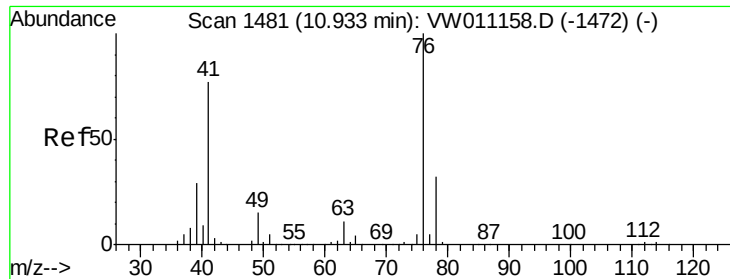
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 19.736 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

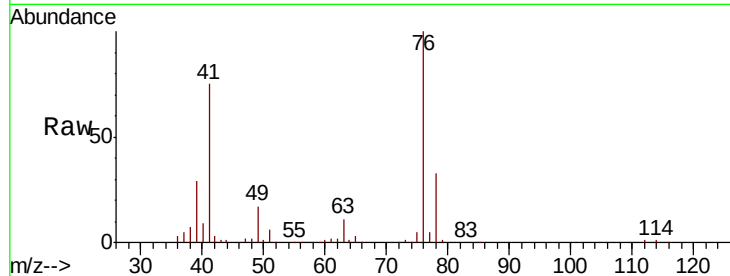
VW0708SBS01

Tot Ion: 76 Resp: 77711

Ion Ratio Lower Upper

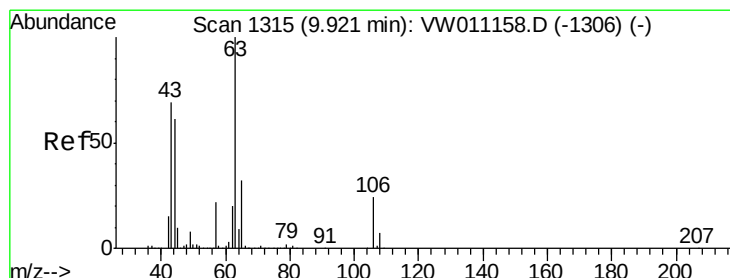
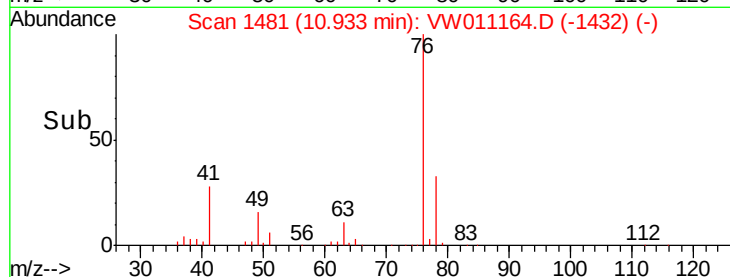
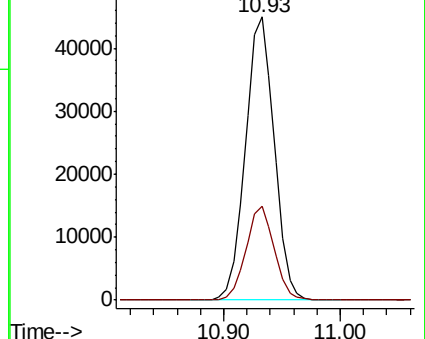
76 100

78 32.5 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: 102.012 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW011164.D

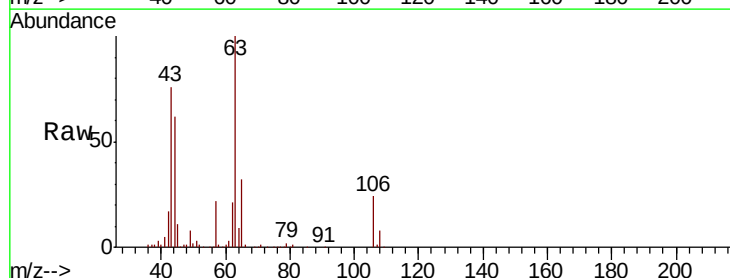
Acq: 08 Jul 2019 16:46

Tgt Ion: 63 Resp: 149923

Ion Ratio Lower Upper

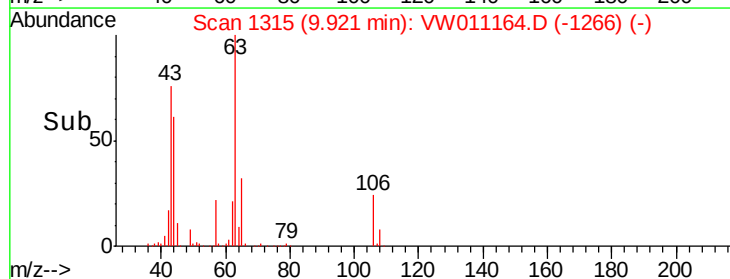
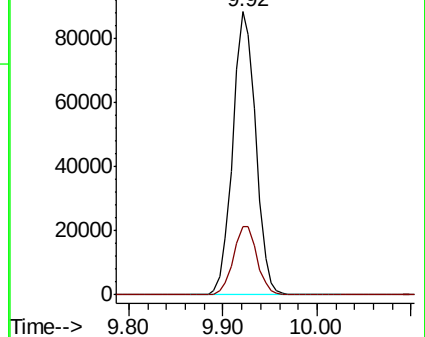
63 100

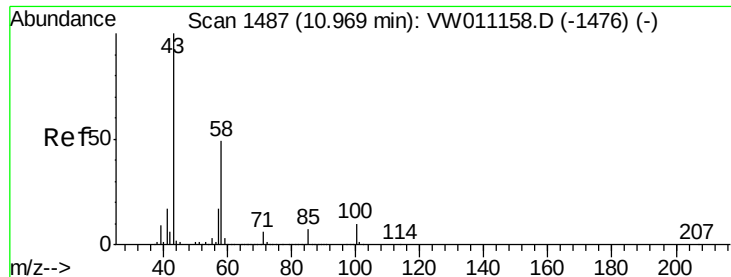
106 24.8 19.4 29.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

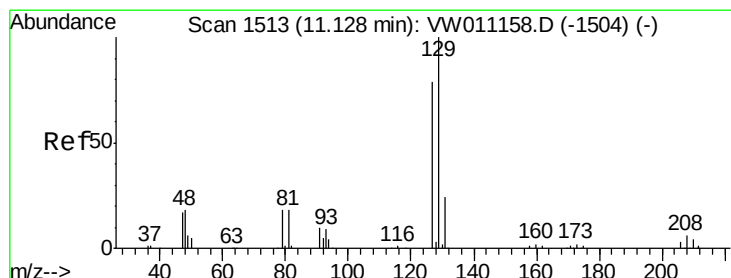
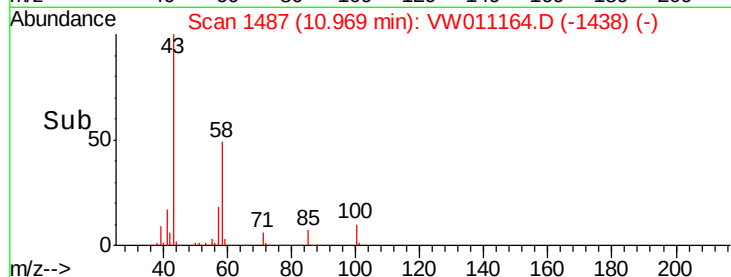
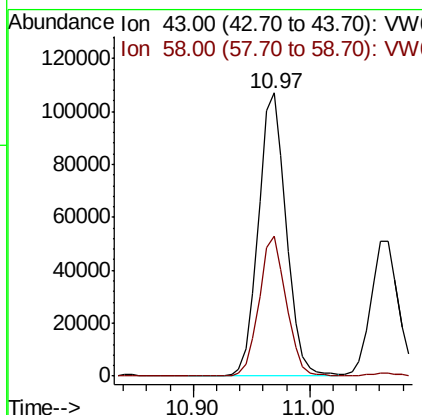
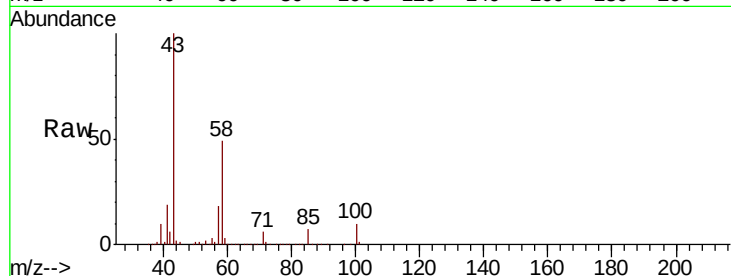




#59
2-Hexanone
Concen: 103.292 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

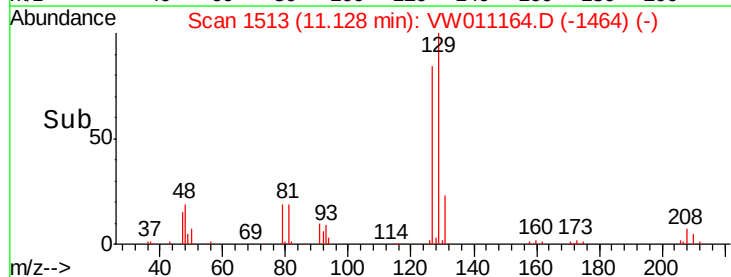
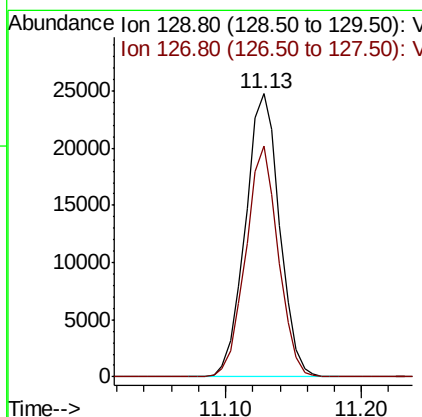
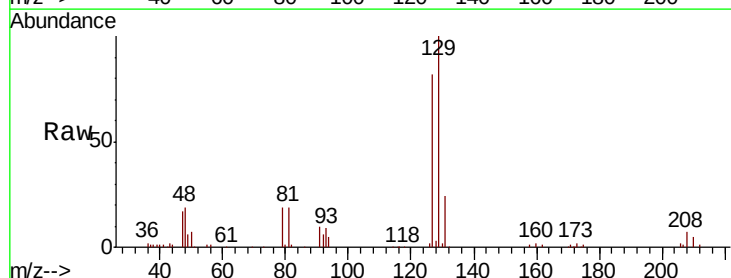
Instrument :
MSVOA_W
ClientSampleId :
VW0708SBSD01

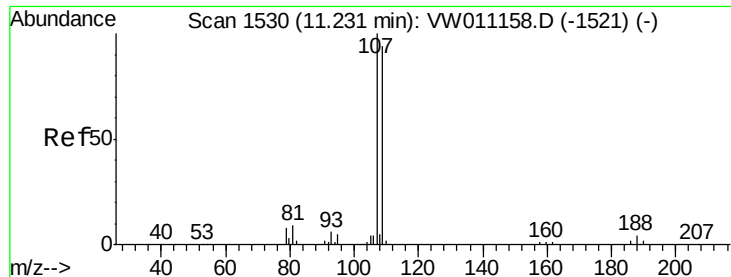
Tot Ion: 43 Resp: 177216
Ion Ratio Lower Upper
43 100
58 48.3 24.4 73.4



#60
Dibromochloromethane
Concen: 19.082 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion: 129 Resp: 43569
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.3

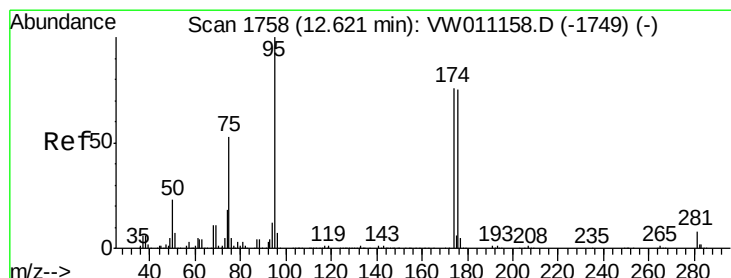
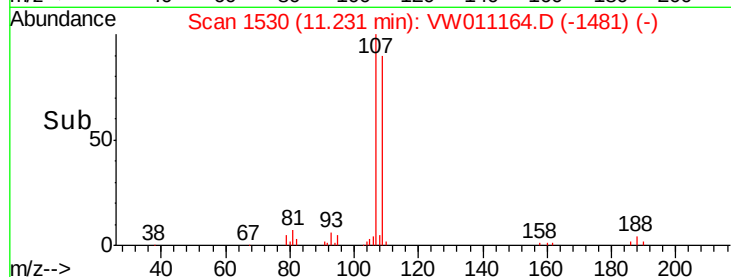
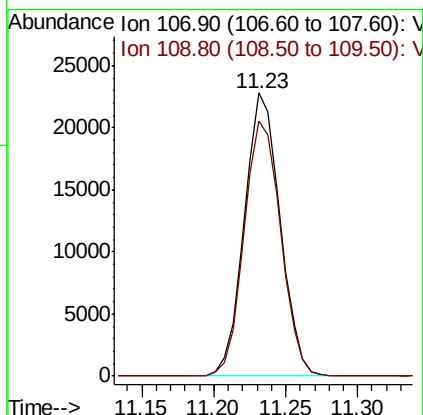
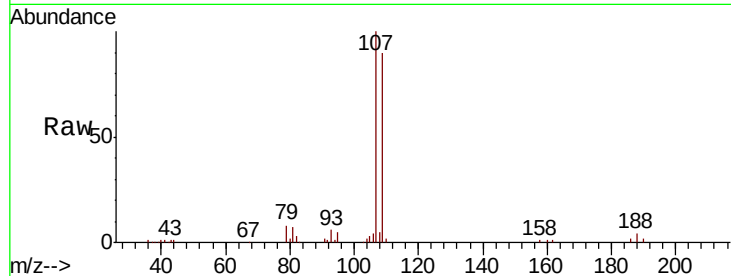




#61
 1,2-Dibromoethane
 Concen: 19.807 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

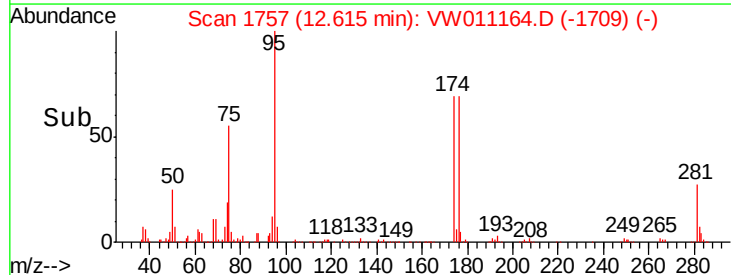
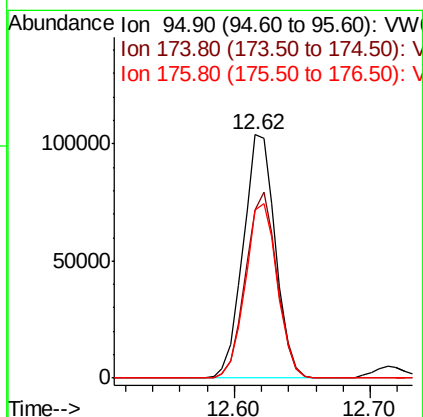
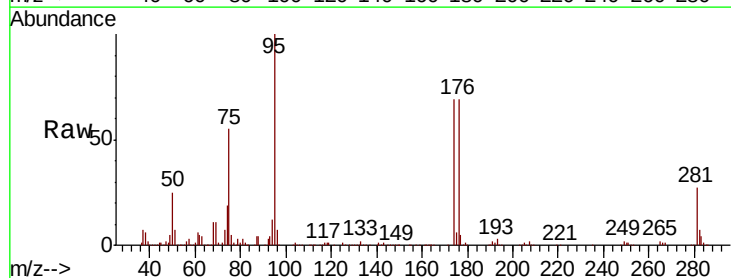
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBSD01

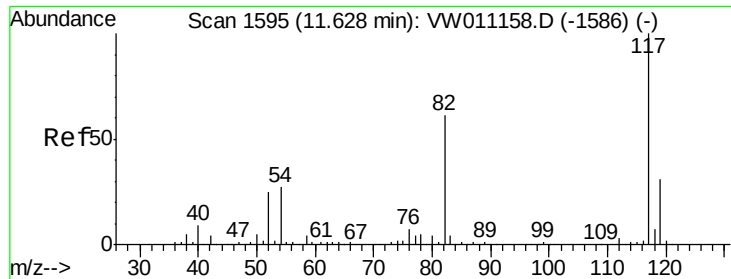
Tot Ion:107 Resp: 39066
 Ion Ratio Lower Upper
 107 100
 109 92.7 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 49.517 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Tgt Ion: 95 Resp: 171439
 Ion Ratio Lower Upper
 95 100
 174 75.1 0.0 147.6
 176 71.5 0.0 144.6

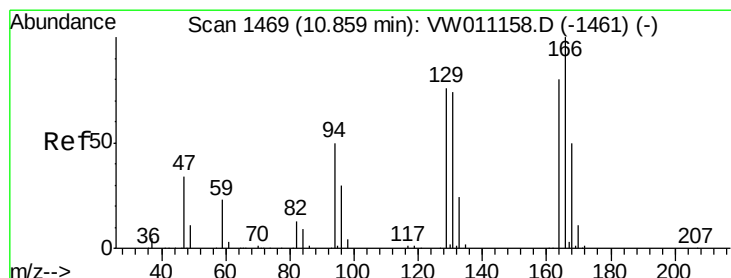
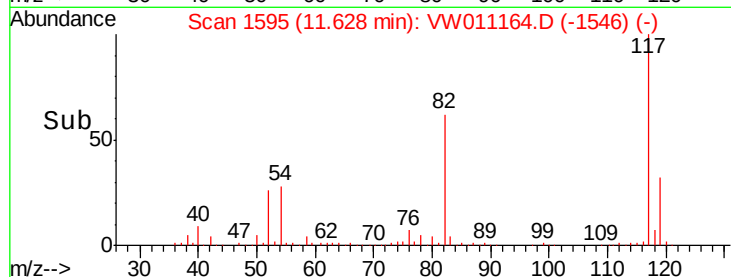
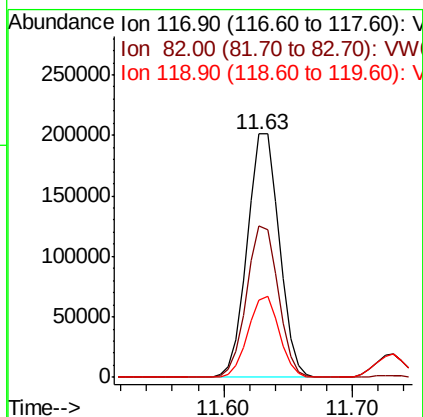
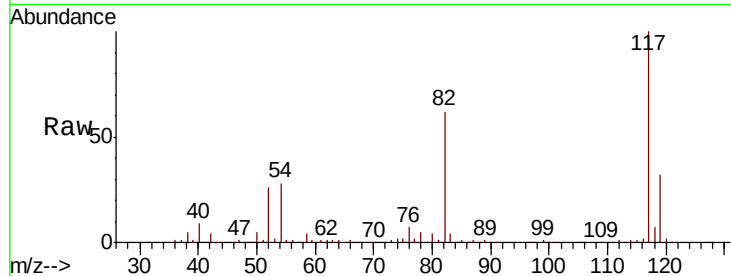




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

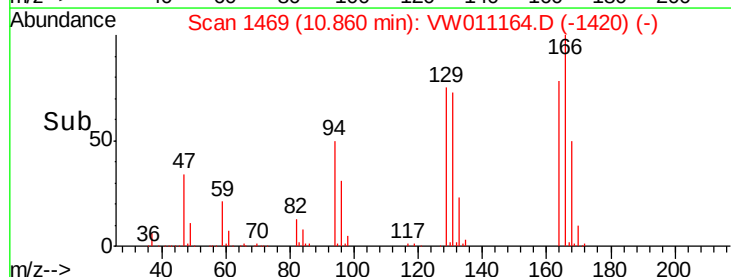
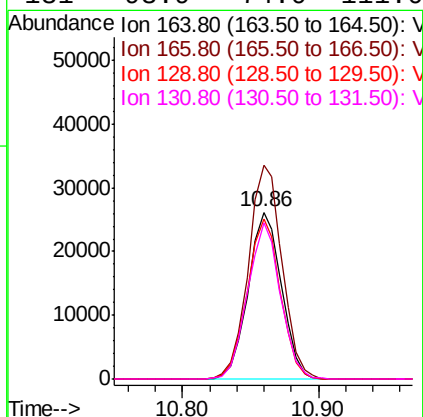
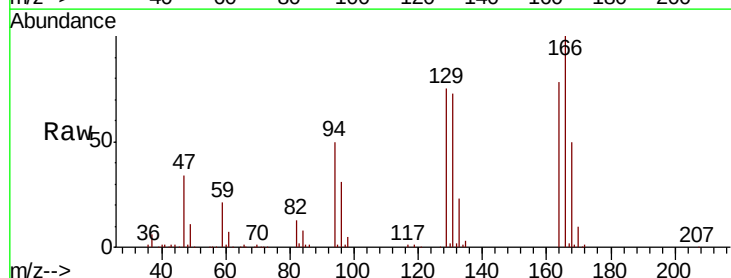
Instrument :
MSVOA_W
ClientSampleId :
VW0708SBSD01

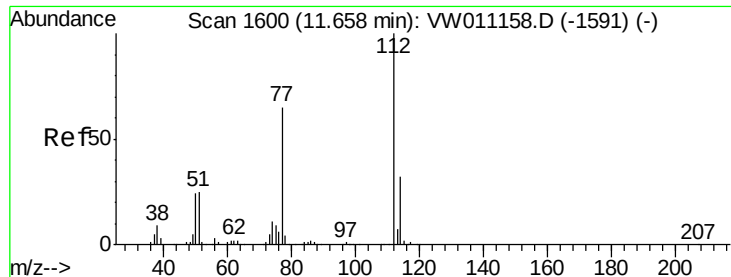
Tot Ion:117 Resp: 344693
Ion Ratio Lower Upper
117 100
82 62.1 48.9 73.3
119 31.7 25.0 37.6



#64
Tetrachloroethene
Concen: 19.290 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion:164 Resp: 44866
Ion Ratio Lower Upper
164 100
166 128.2 99.7 149.5
129 96.0 76.2 114.2
131 93.9 74.0 111.0

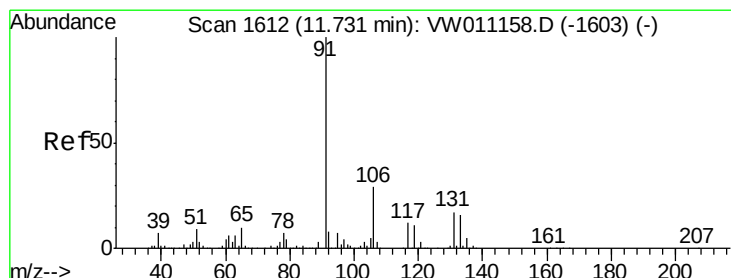
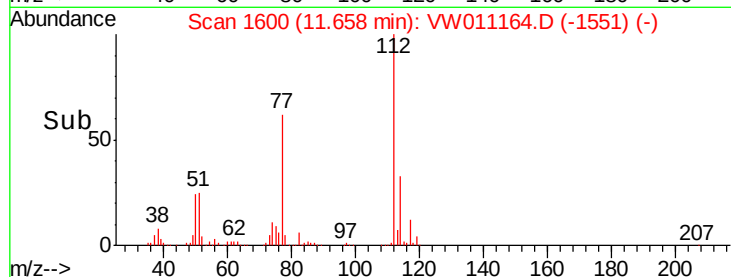
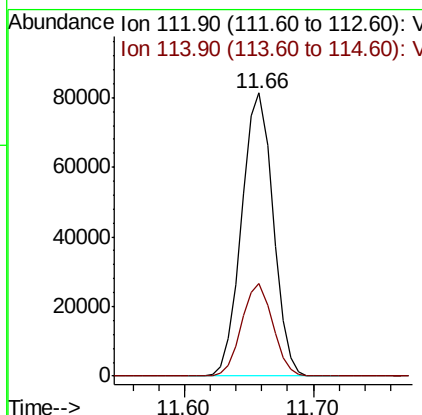
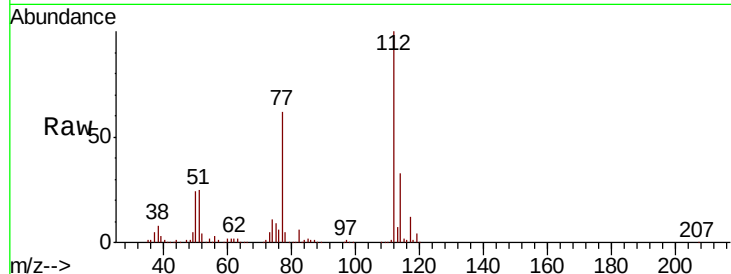




#65
Chlorobenzene
Concen: 19.587 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

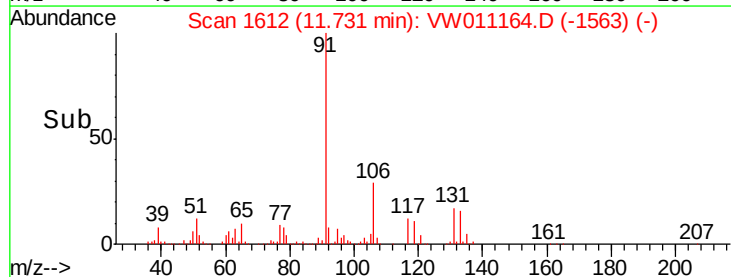
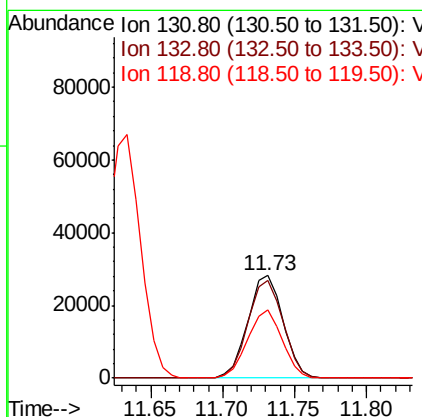
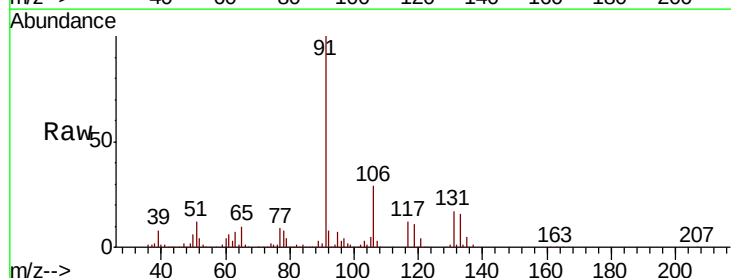
Instrument :
MSVOA_W
ClientSampleId :
VW0708SBSD01

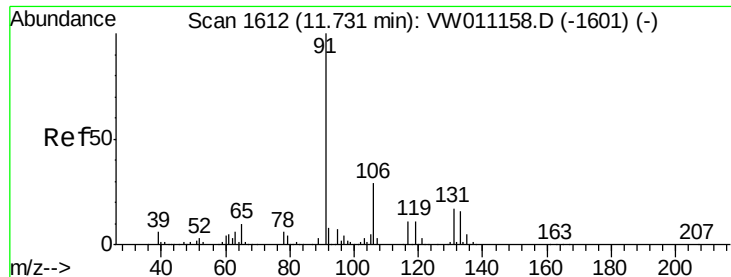
Tot Ion:112 Resp: 137269
Ion Ratio Lower Upper
112 100
114 32.7 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.239 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion:131 Resp: 47472
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.8
119 65.5 33.1 99.2

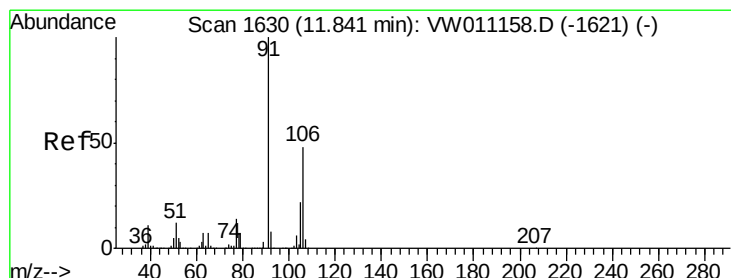
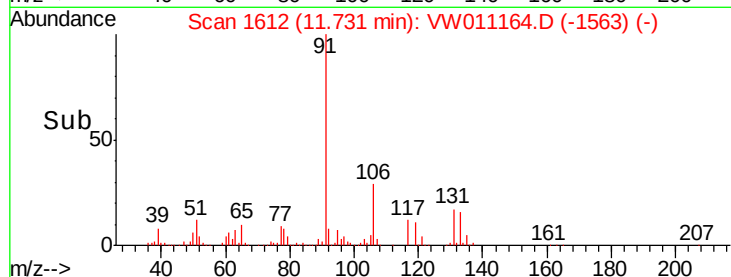
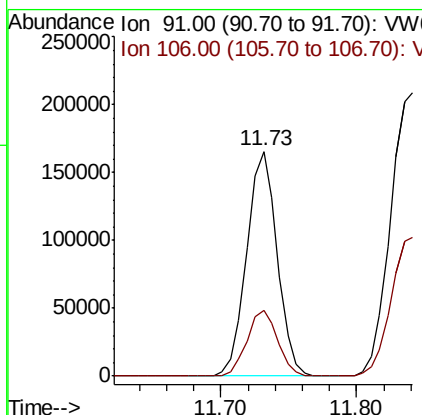
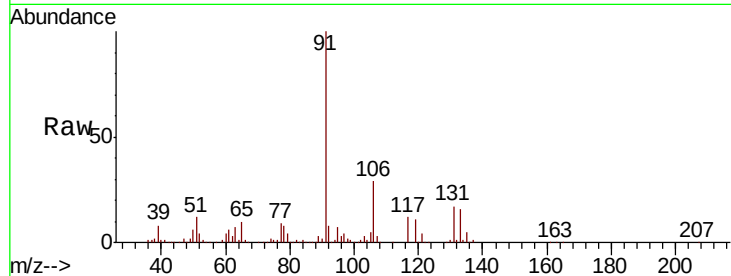




#67
Ethyl Benzene
Concen: 19.427 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

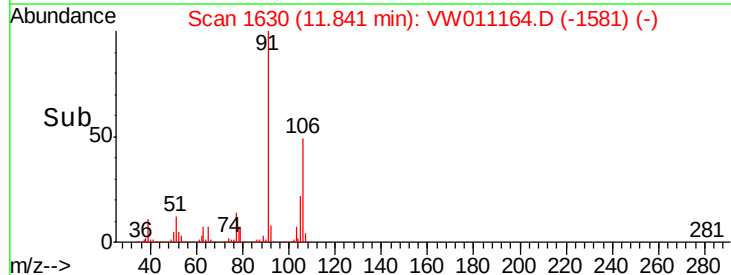
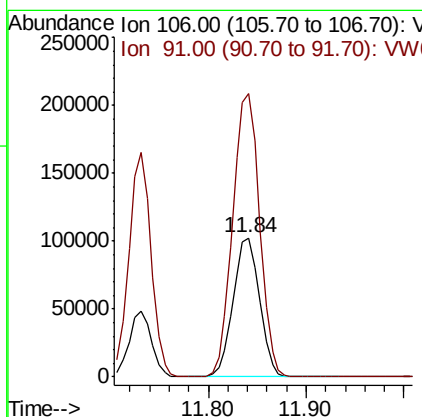
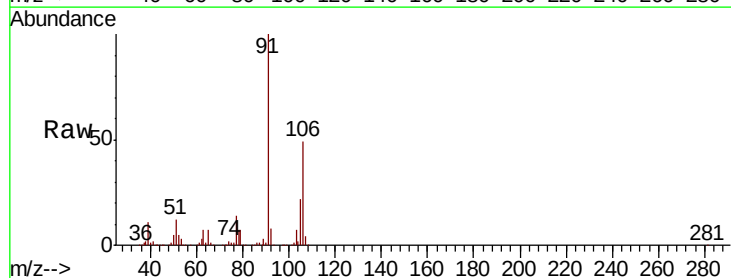
Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

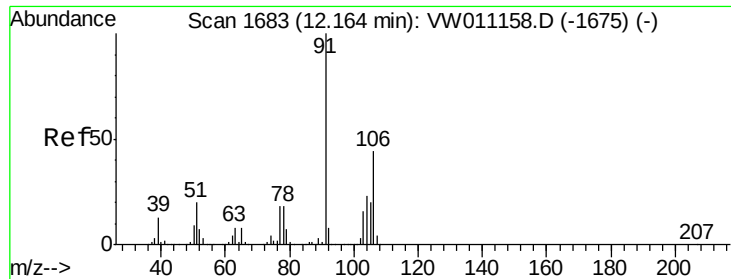
Tot Ion: 91 Resp: 260631
Ion Ratio Lower Upper
91 100
106 29.4 23.5 35.3



#68
m/p-Xylenes
Concen: 39.603 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion: 106 Resp: 192251
Ion Ratio Lower Upper
106 100
91 207.1 167.7 251.5

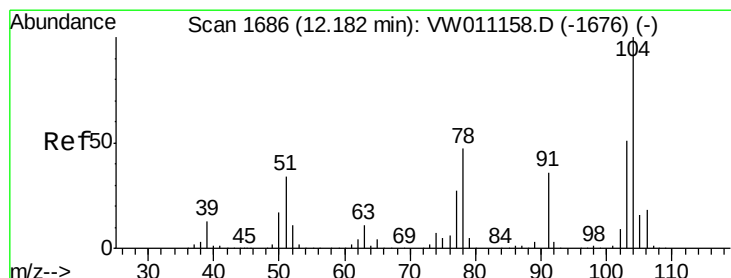
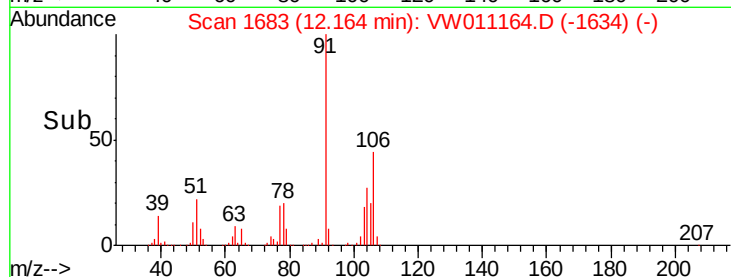
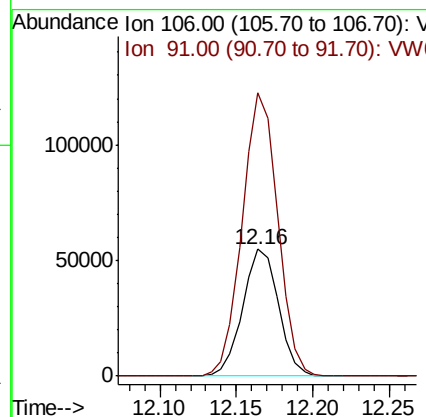
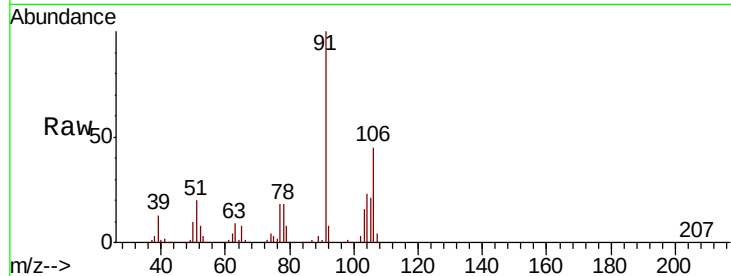




#69
o-Xylene
Concen: 19.504 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

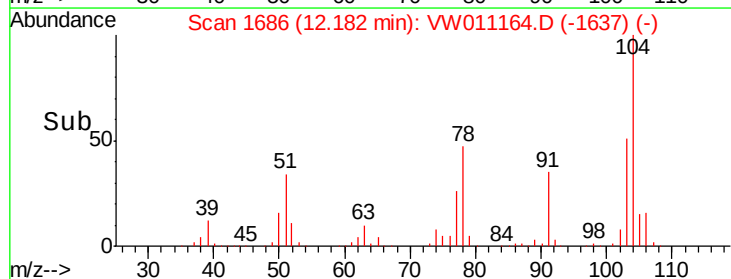
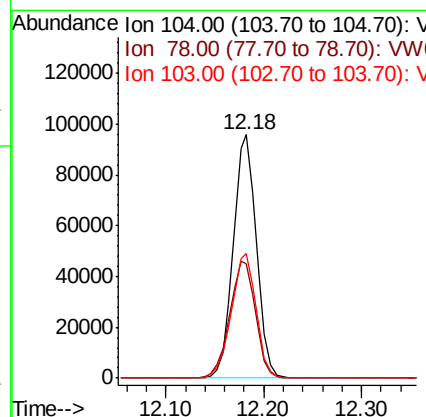
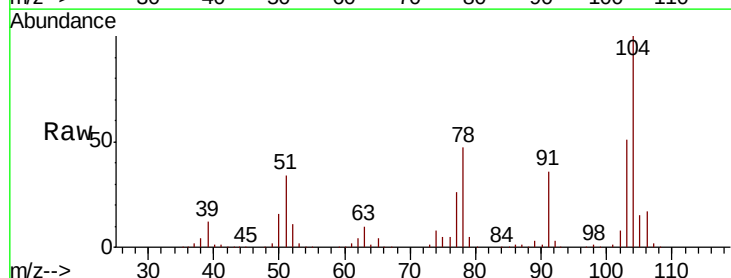
Instrument :
MSVOA_W
ClientSampleId :
VW0708SBSD01

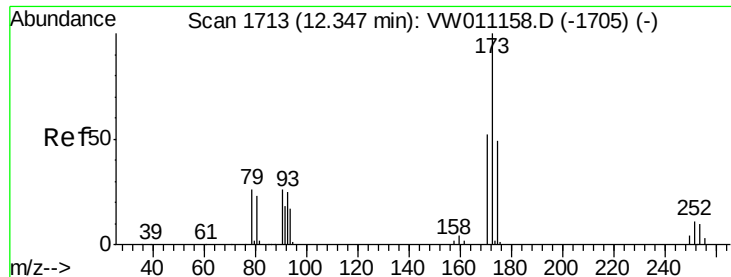
Tot Ion:106 Resp: 89240
Ion Ratio Lower Upper
106 100
91 221.6 110.7 332.1



#70
Styrene
Concen: 19.818 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion:104 Resp: 156490
Ion Ratio Lower Upper
104 100
78 53.5 43.1 64.7
103 54.8 44.1 66.1





#71

Bromoform

Concen: 19.074 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBSD01

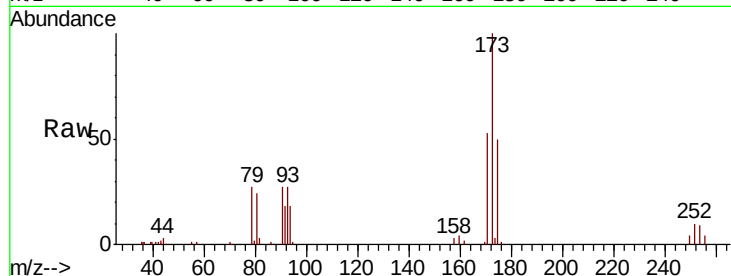
Tot Ion:173 Resp: 25024

Ion Ratio Lower Upper

173 100

175 48.5 24.8 74.3

254 0.0 0.0 0.0

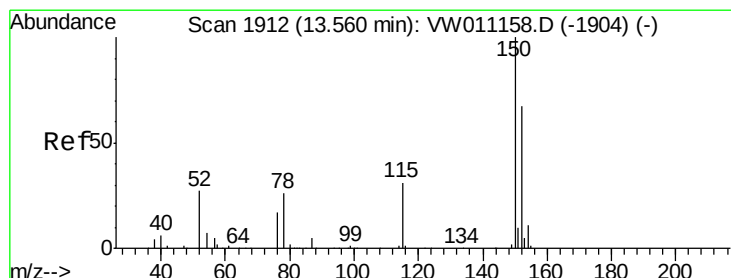
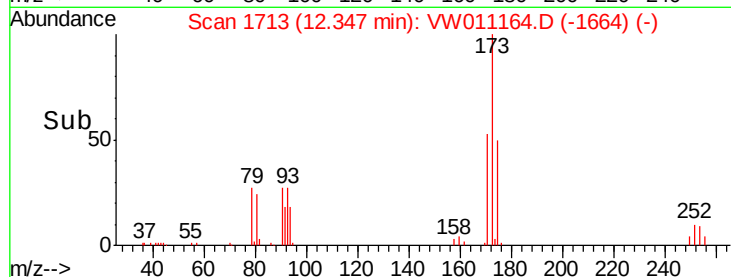
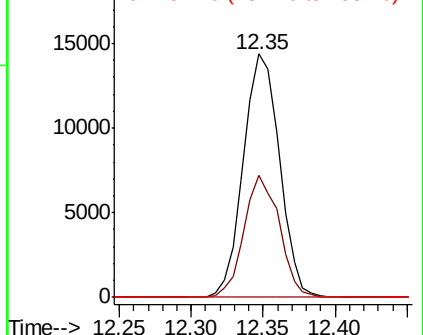


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

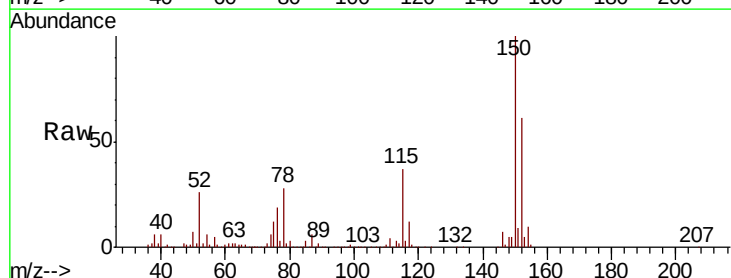
Tgt Ion:152 Resp: 170671

Ion Ratio Lower Upper

152 100

115 60.7 30.1 90.3

150 163.7 0.0 346.0

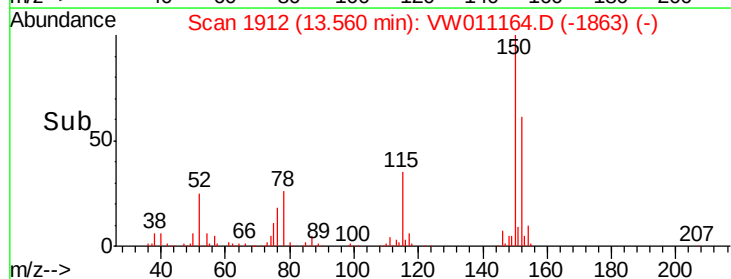
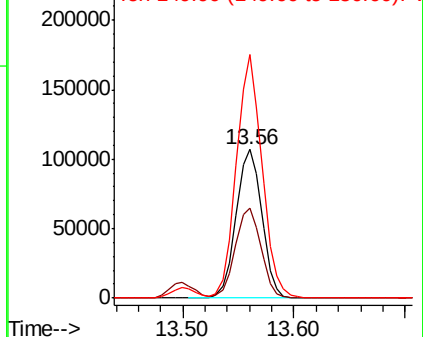


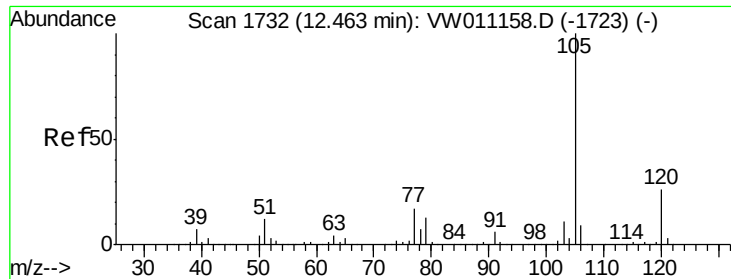
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.560 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

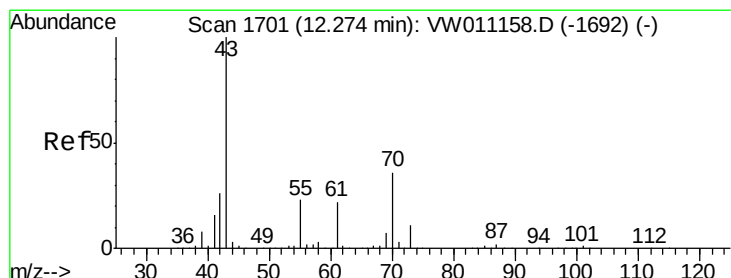
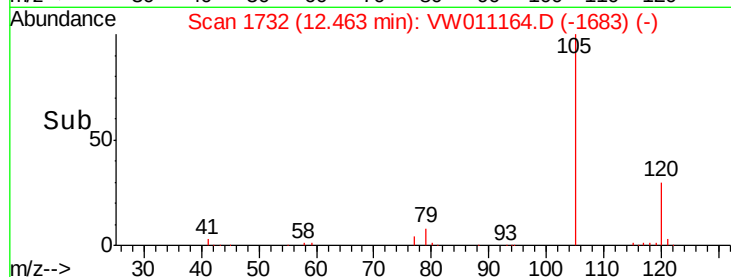
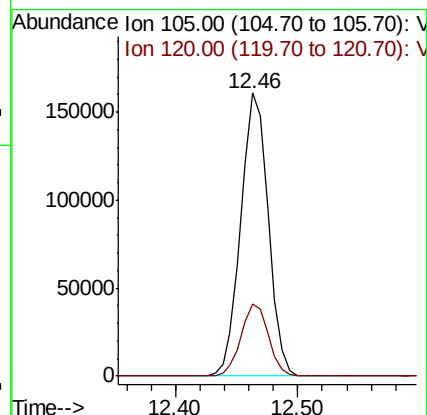
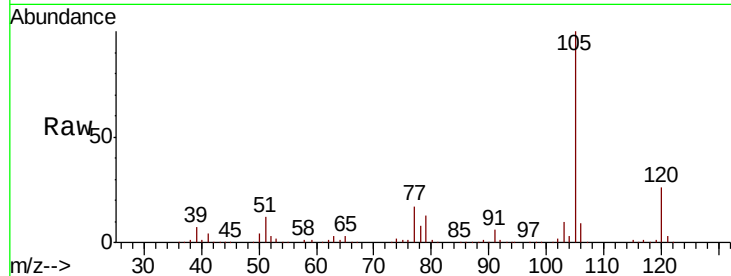
VW0708SBS01

Tot Ion:105 Resp: 249556

Ion Ratio Lower Upper

105 100

120 25.5 12.8 38.3



#74

N-ethyl acetate

Concen: 20.312 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Tgt Ion: 43 Resp: 90252

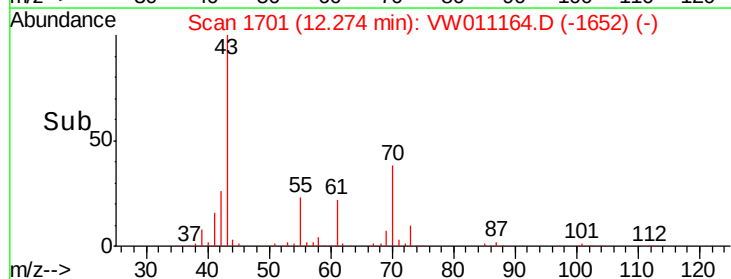
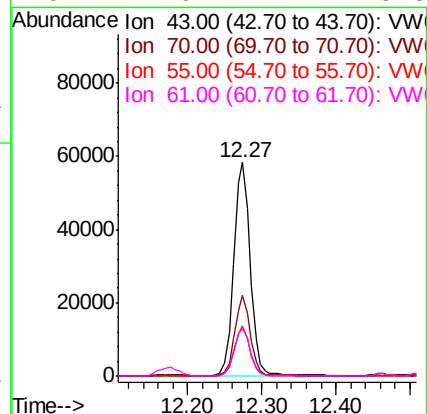
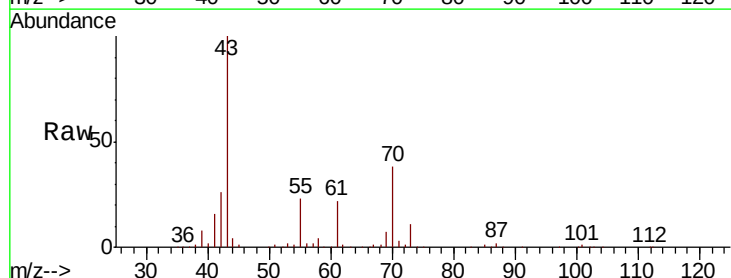
Ion Ratio Lower Upper

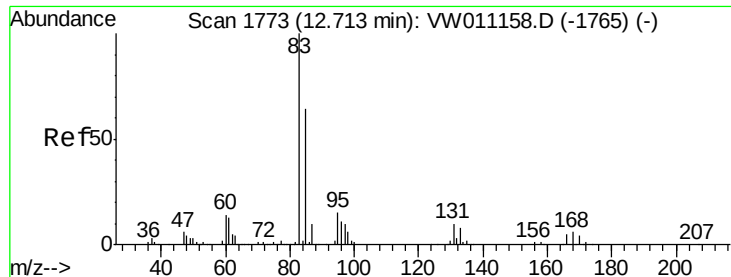
43 100

70 35.4 28.5 42.7

55 22.4 18.1 27.1

61 21.9 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.895 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

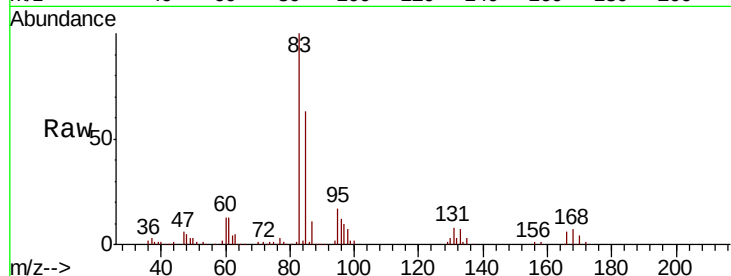
Tot Ion: 83 Resp: 52030

Ion Ratio Lower Upper

83 100

131 9.6 5.0 15.0

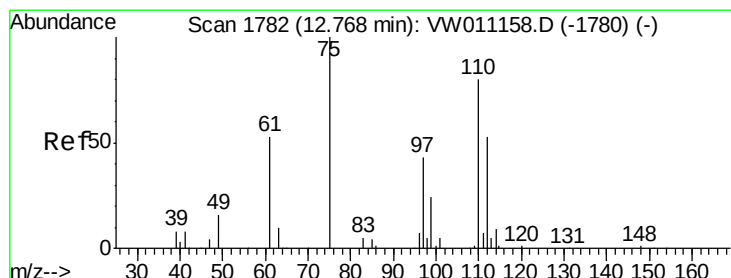
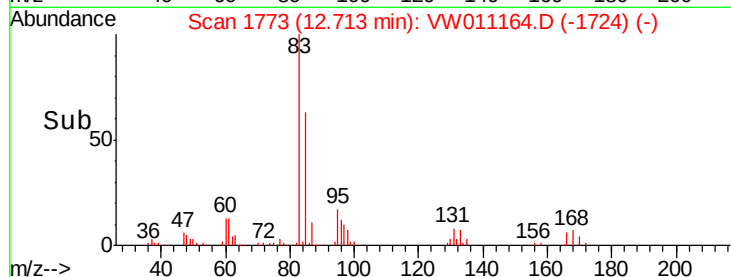
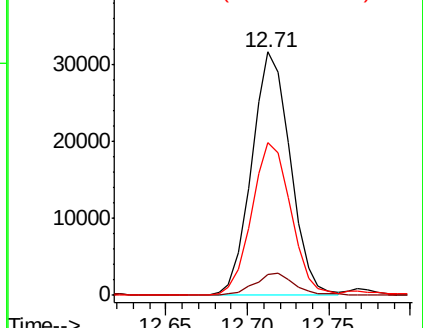
85 63.7 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 34.171 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011164.D

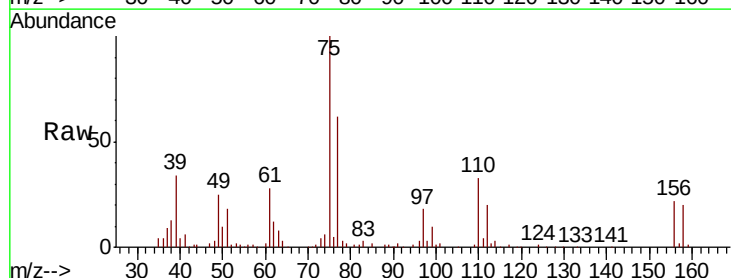
Acq: 08 Jul 2019 16:46

Tgt Ion: 75 Resp: 67396

Ion Ratio Lower Upper

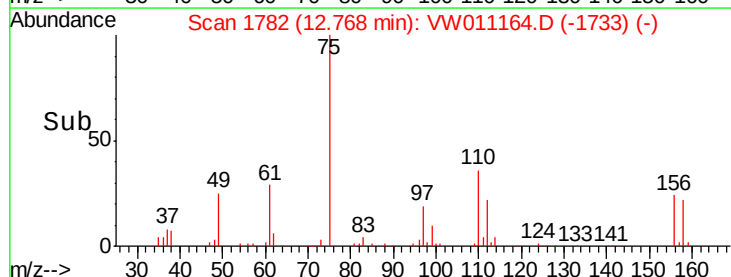
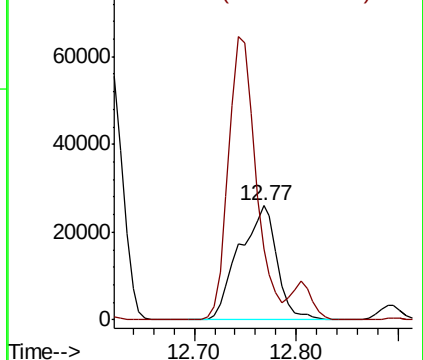
75 100

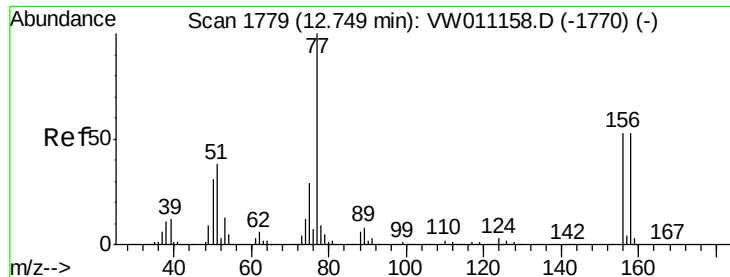
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

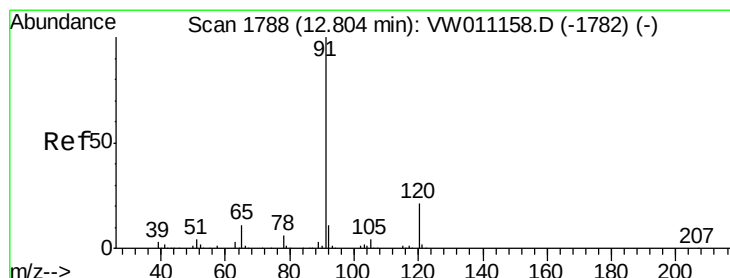
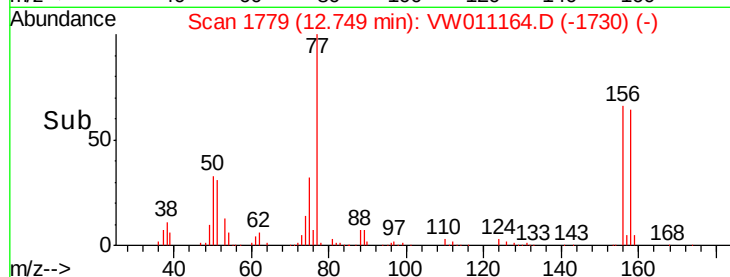
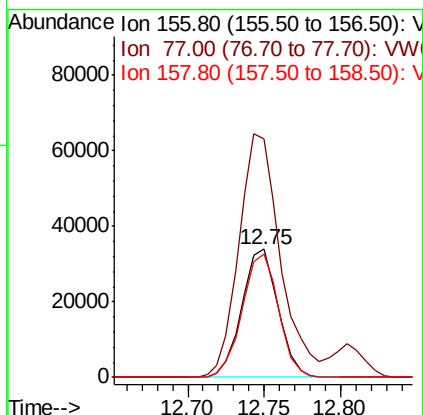
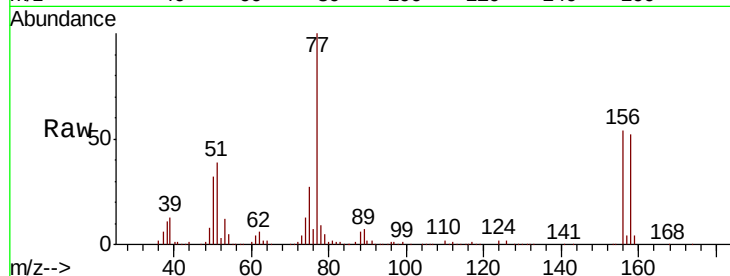




#77
Bromobenzene
Concen: 19.475 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

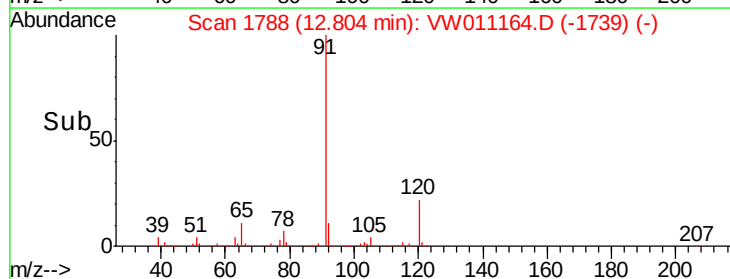
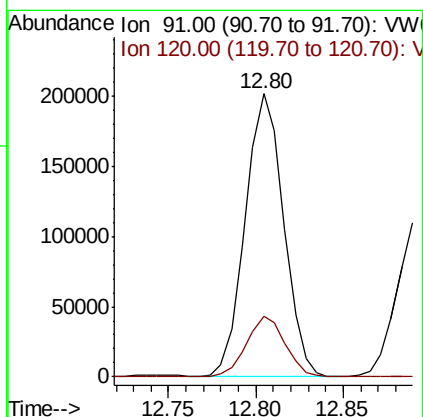
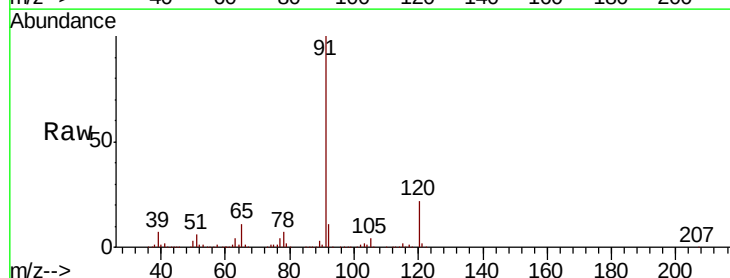
Instrument :
MSVOA_W
ClientSampleId :
VW0708SBSD01

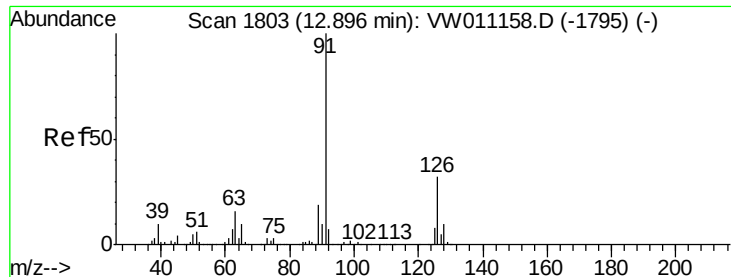
Tot Ion:156 Resp: 55762
Ion Ratio Lower Upper
156 100
77 217.6 109.0 327.0
158 96.3 48.8 146.3



#78
n-propylbenzene
Concen: 19.552 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion: 91 Resp: 307289
Ion Ratio Lower Upper
91 100
120 21.6 10.8 32.3





#79

2-Chlorotoluene

Concen: 19.531 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

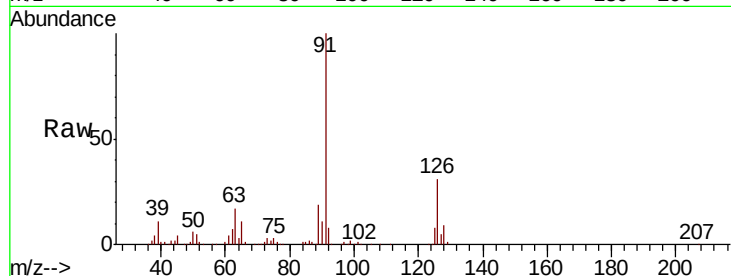
VW0708SBSD01

Tot Ion: 91 Resp: 176637

Ion Ratio Lower Upper

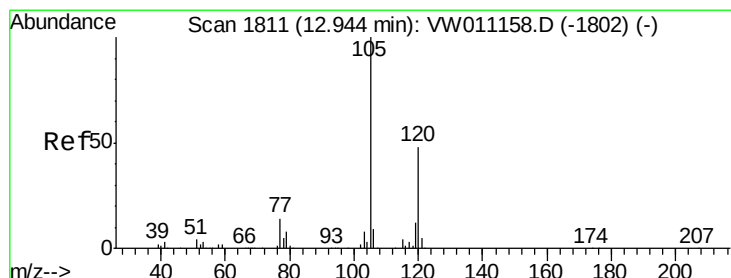
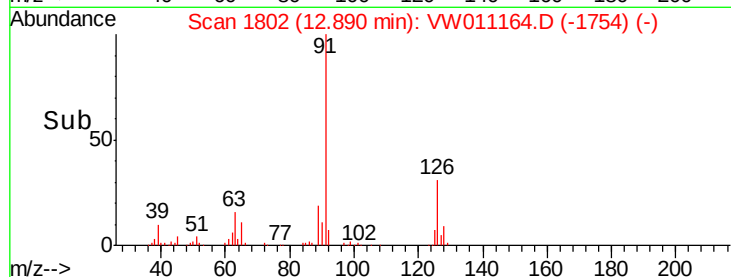
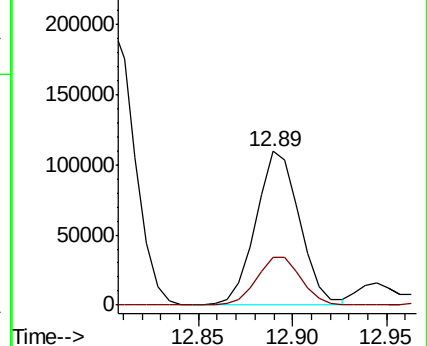
91 100

126 31.3 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.701 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011164.D

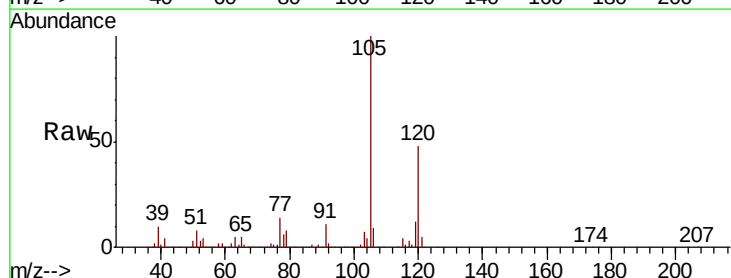
Acq: 08 Jul 2019 16:46

Tgt Ion: 105 Resp: 213537

Ion Ratio Lower Upper

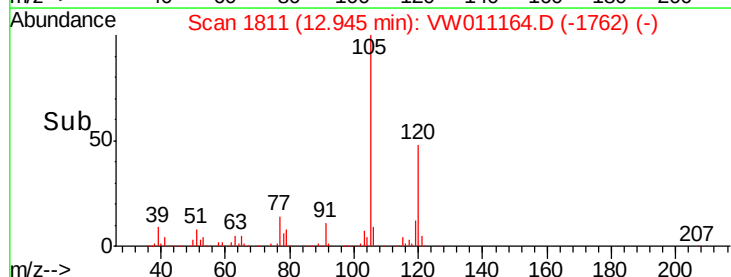
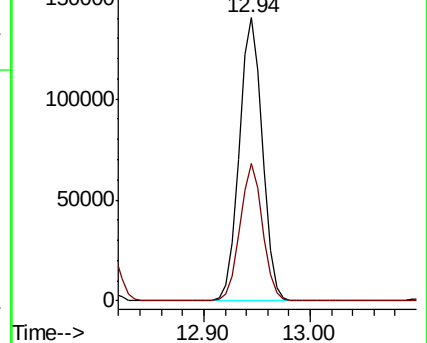
105 100

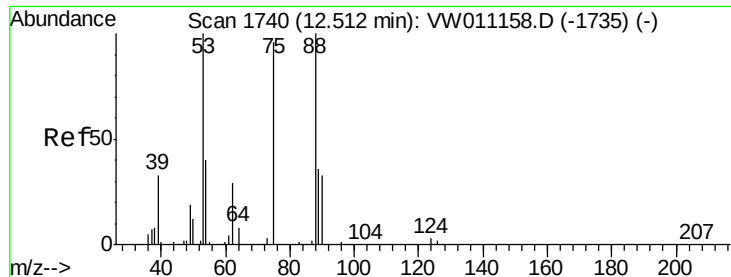
120 47.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.884 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBSD01

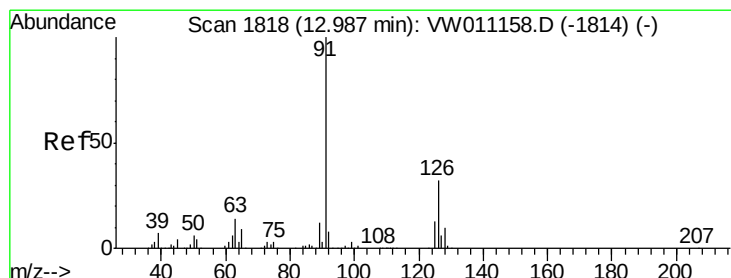
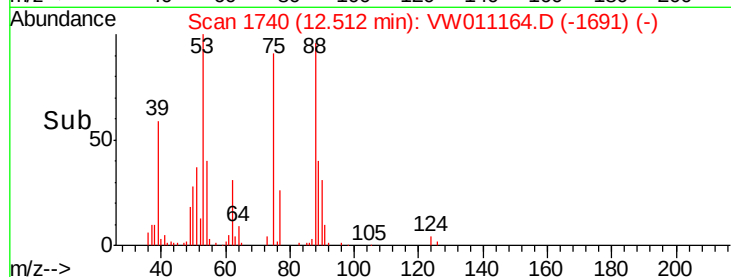
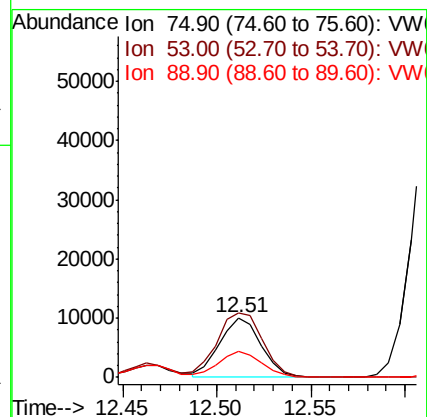
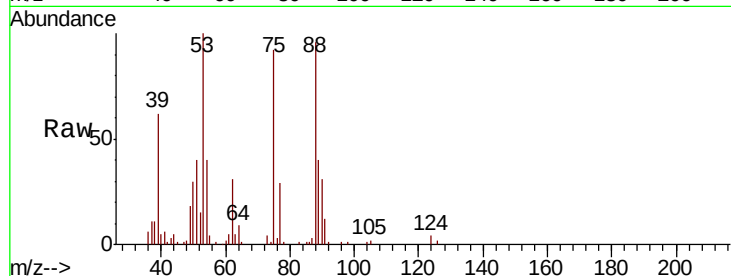
Tot Ion: 75 Resp: 15595

Ion Ratio Lower Upper

75 100

53 117.6 89.8 134.6

89 44.2 34.3 51.5



#82

4-Chlorotoluene

Concen: 19.357 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011164.D

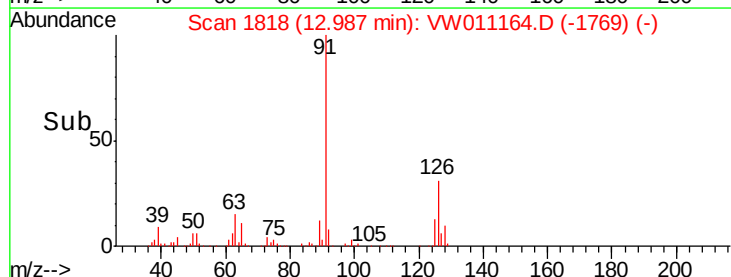
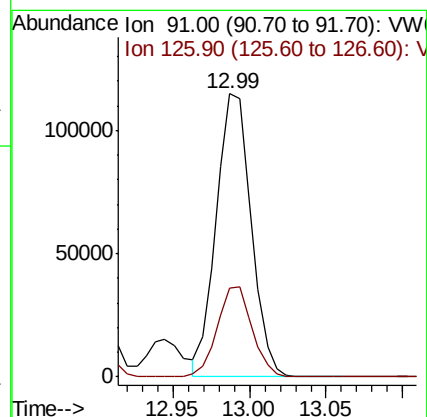
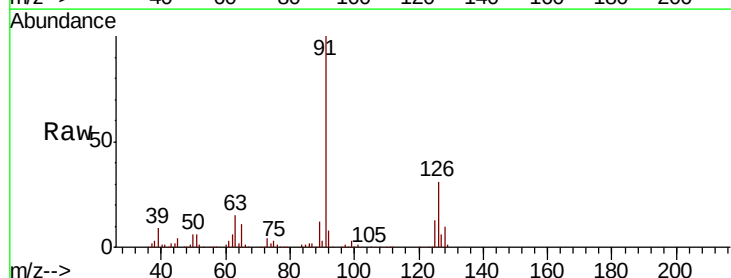
Acq: 08 Jul 2019 16:46

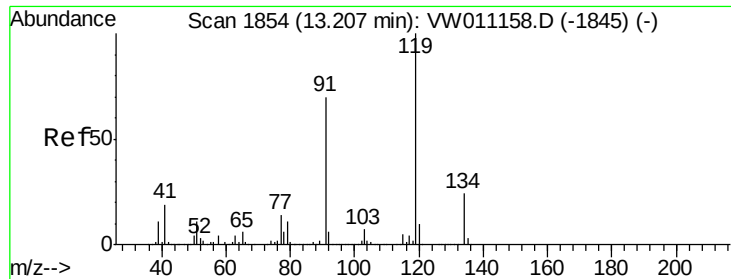
Tgt Ion: 91 Resp: 182340

Ion Ratio Lower Upper

91 100

126 31.7 15.7 47.1





#83

tert-Butylbenzene

Concen: 19.676 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

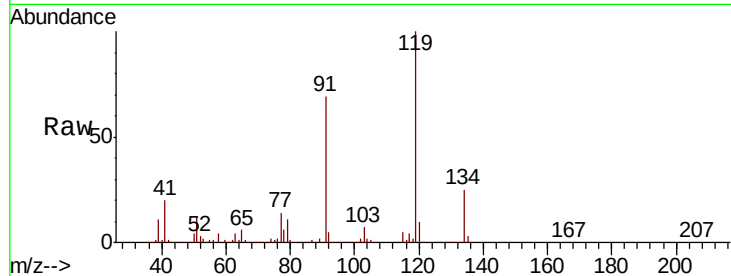
Tot Ion:119 Resp: 177863

Ion Ratio Lower Upper

119 100

91 70.2 35.4 106.3

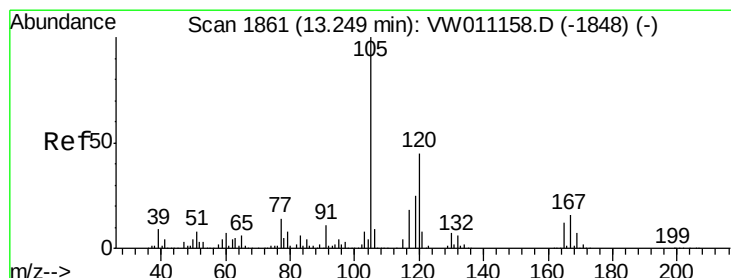
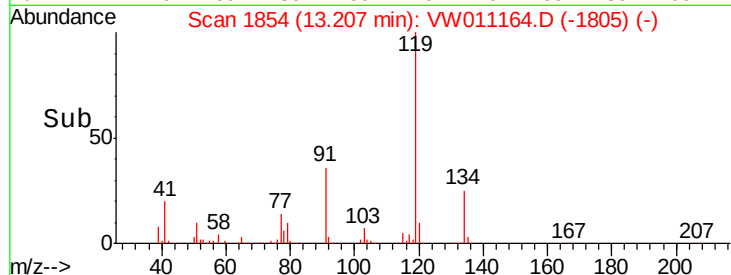
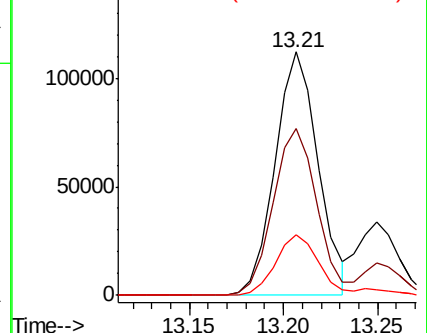
134 24.7 13.4 40.2



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: 19.611 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW011164.D

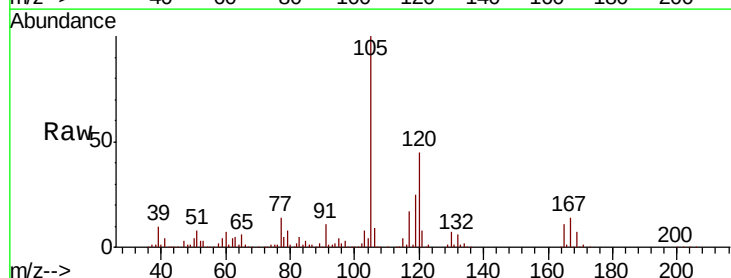
Acq: 08 Jul 2019 16:46

Tgt Ion:105 Resp: 213440

Ion Ratio Lower Upper

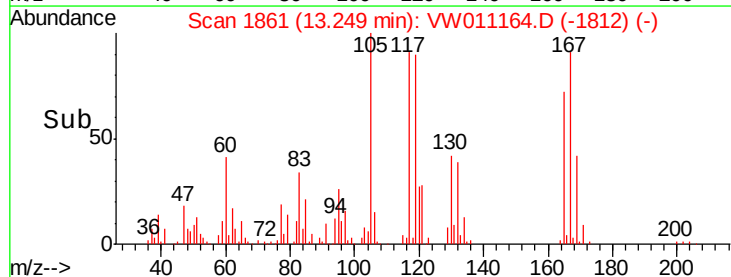
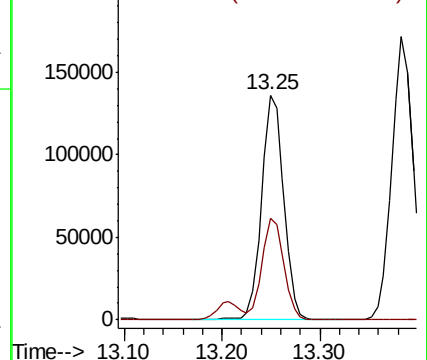
105 100

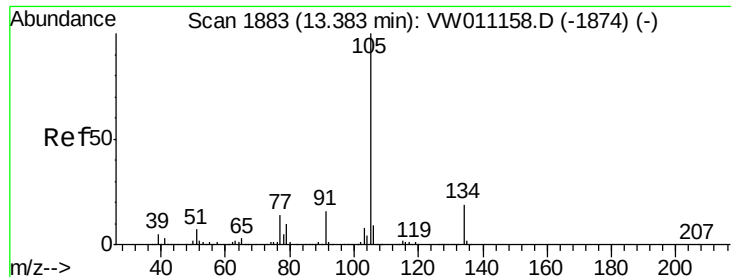
120 44.4 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.851 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

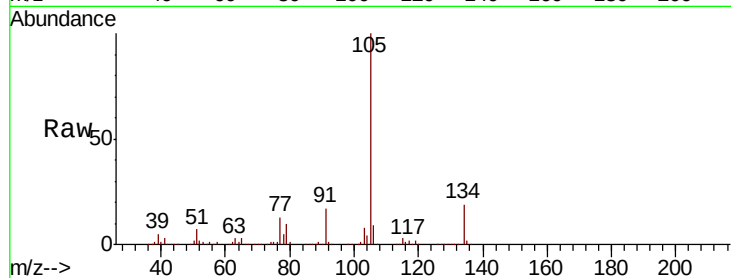
VW0708SBSD01

Tot Ion:105 Resp: 258932

Ion Ratio Lower Upper

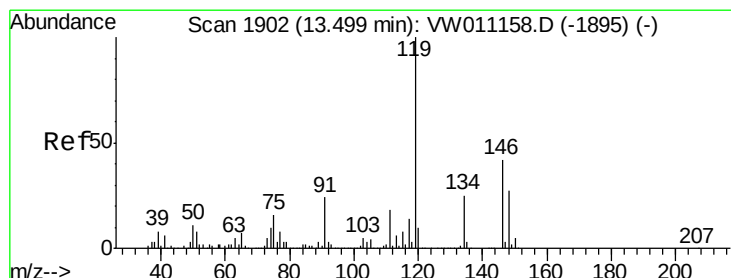
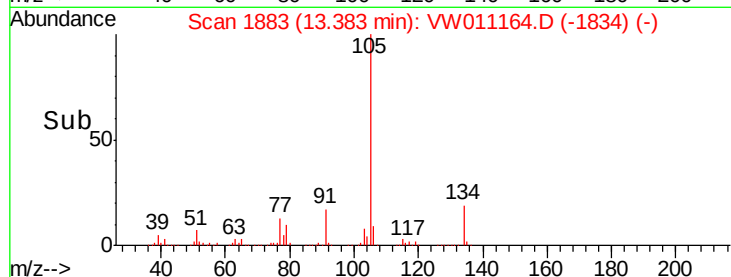
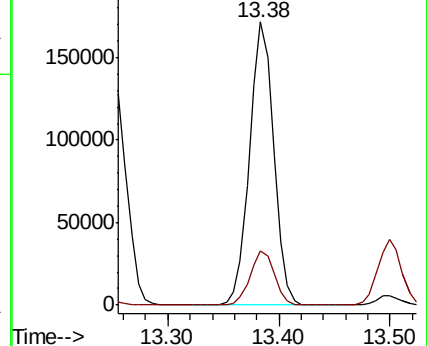
105 100

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: 19.673 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

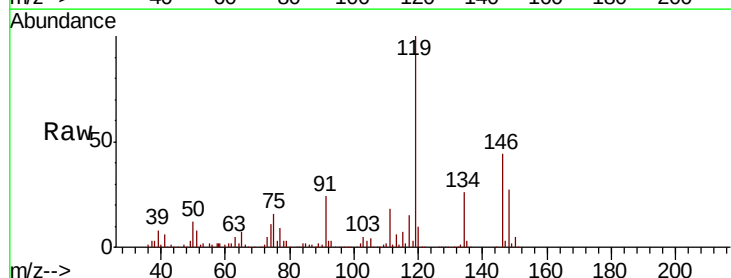
Tgt Ion:119 Resp: 230160

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

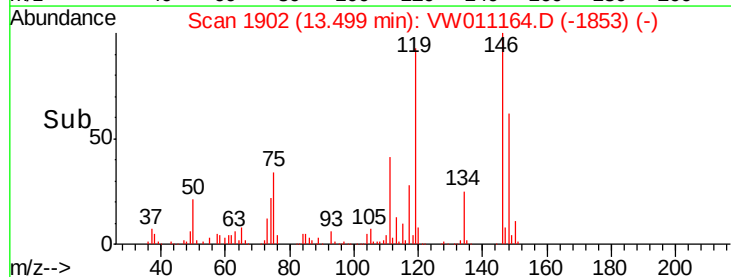
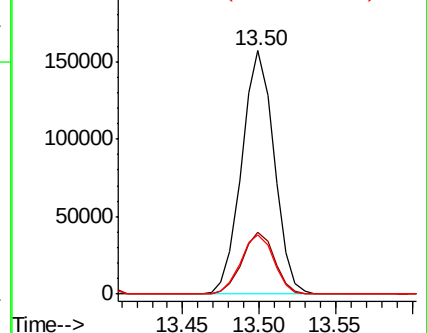
91 25.0 12.3 36.8

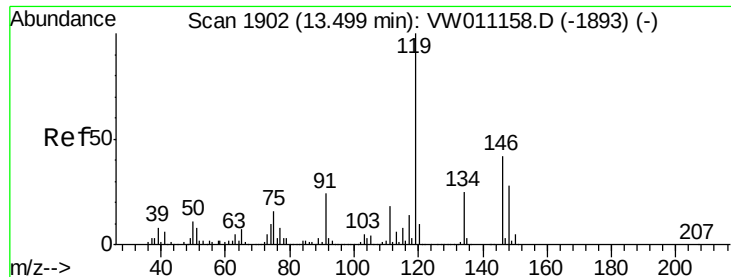


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

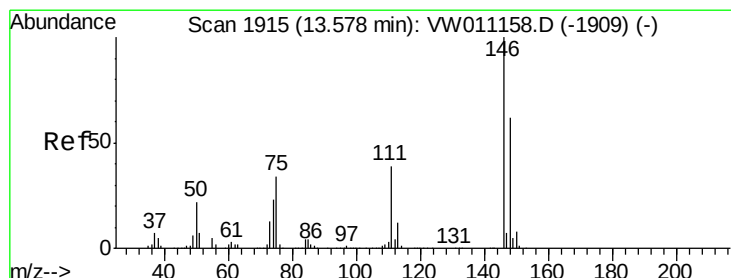
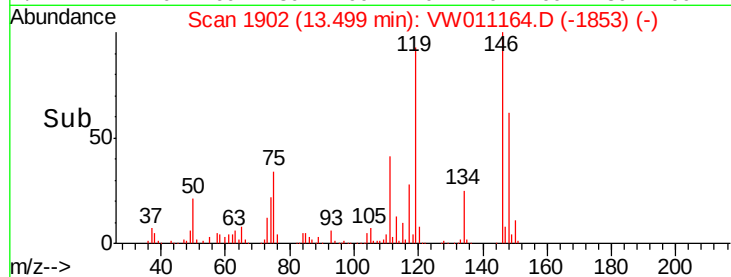
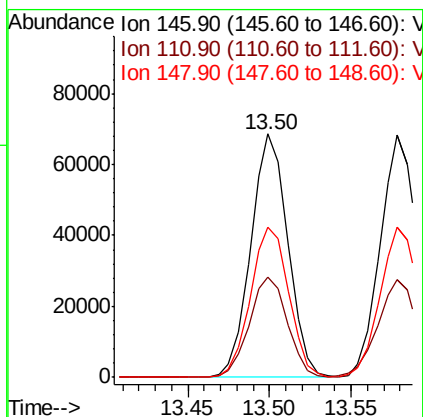
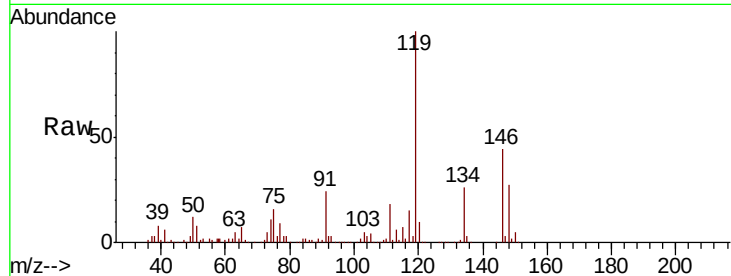




#87
 1,3-Dichlorobenzene
 Concen: 19.673 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

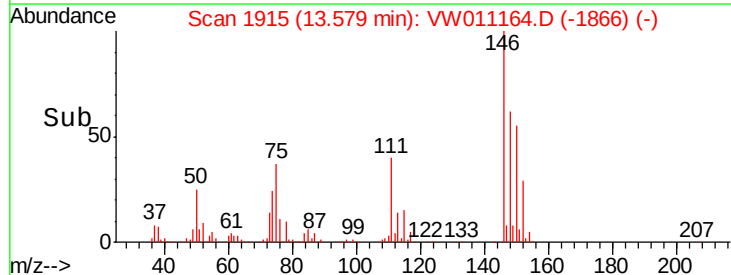
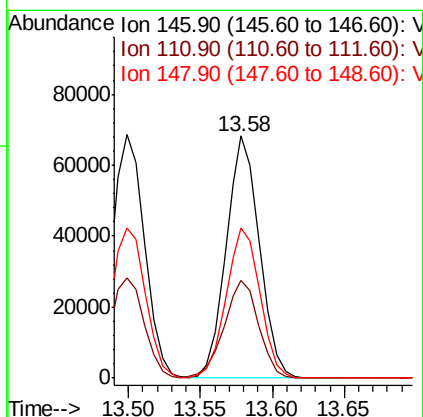
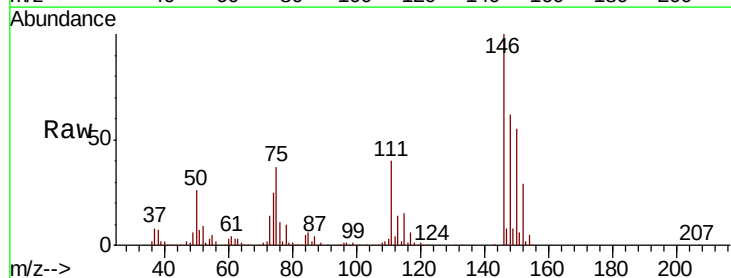
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

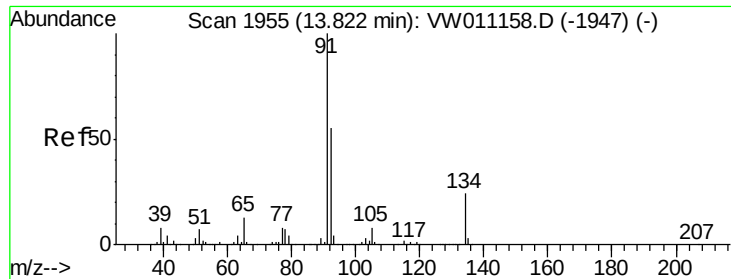
Tot Ion:146 Resp: 108372
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.1 63.1
 148 63.9 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 19.777 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Tgt Ion:146 Resp: 109705
 Ion Ratio Lower Upper
 146 100
 111 42.0 19.9 59.7
 148 63.7 31.5 94.5





#89

n-Butylbenzene

Concen: 19.650 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

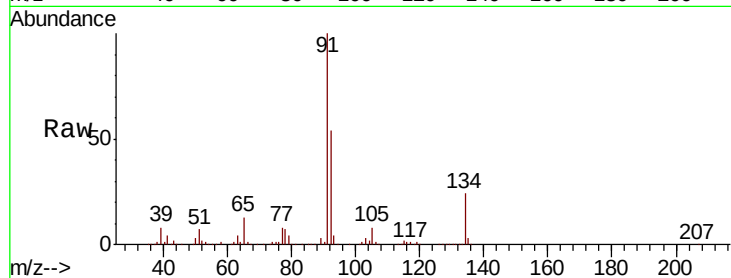
Tot Ion: 91 Resp: 229333

Ion Ratio Lower Upper

91 100

92 54.0 26.9 80.7

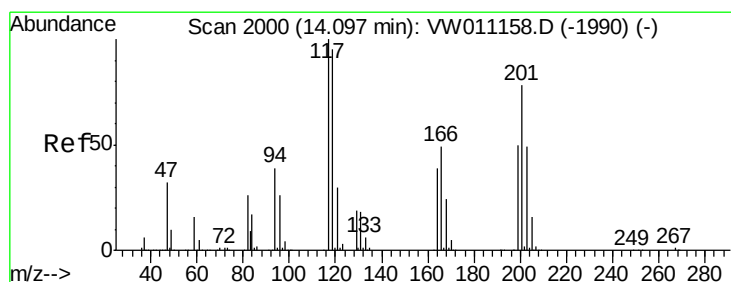
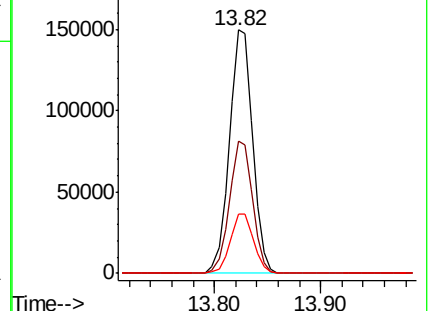
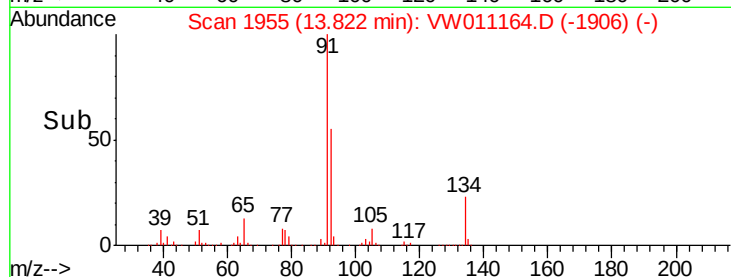
134 24.5 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.017 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW011164.D

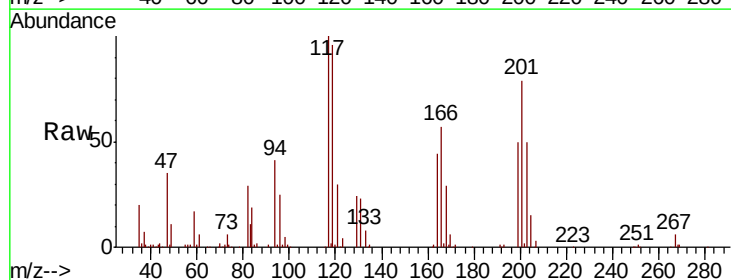
Acq: 08 Jul 2019 16:46

Tgt Ion: 117 Resp: 40655

Ion Ratio Lower Upper

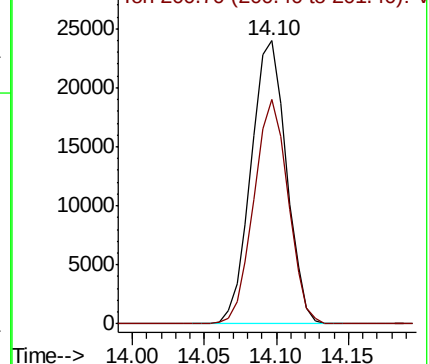
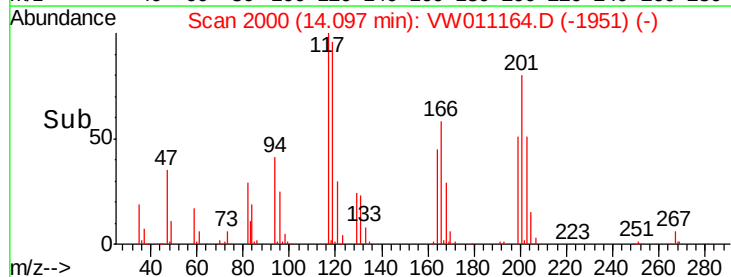
117 100

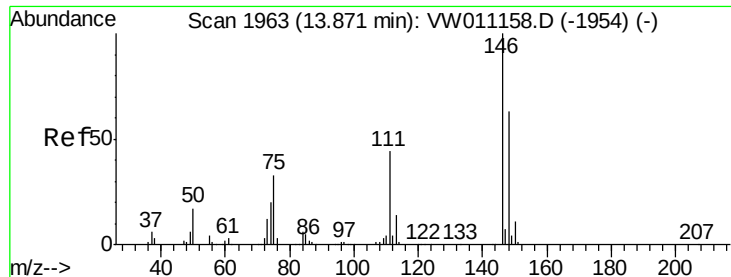
201 77.1 38.3 114.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 19.904 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBSD01

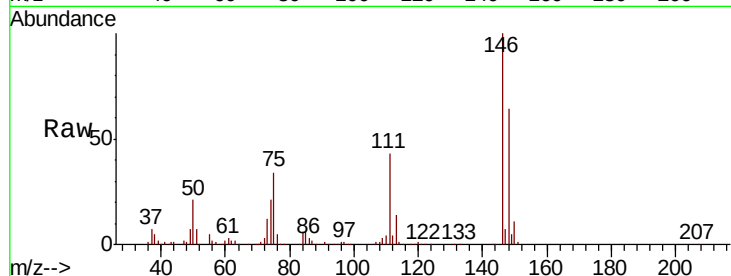
Tot Ion:146 Resp: 99472

Ion Ratio Lower Upper

146 100

111 43.1 21.6 65.0

148 63.4 31.9 95.5

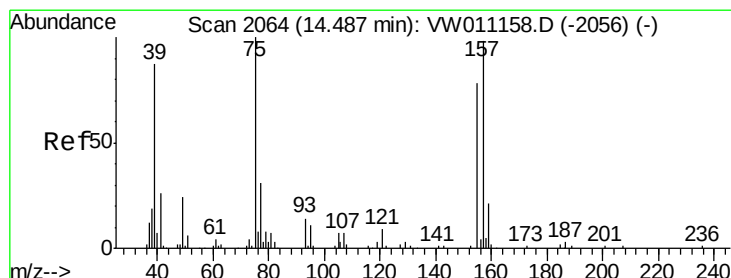
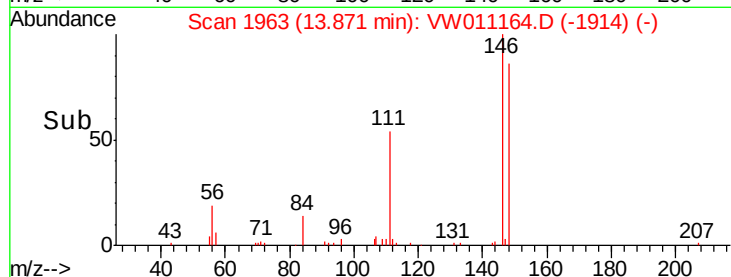
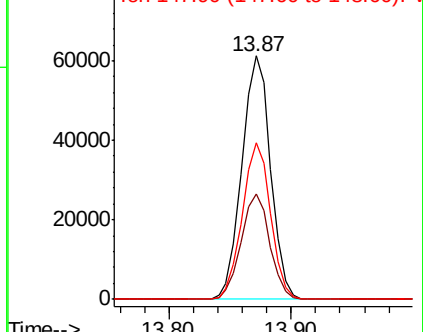


Abundance

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: 19.544 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

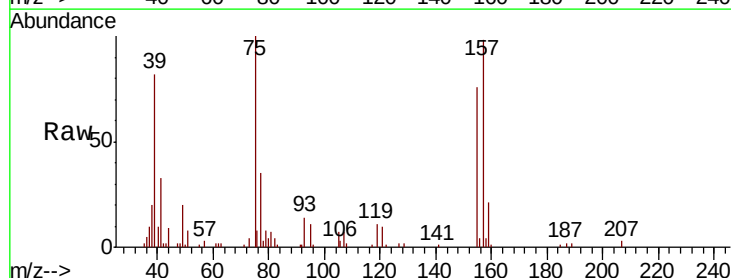
Tgt Ion: 75 Resp: 9066

Ion Ratio Lower Upper

75 100

155 77.7 37.1 111.3

157 98.1 48.5 145.6

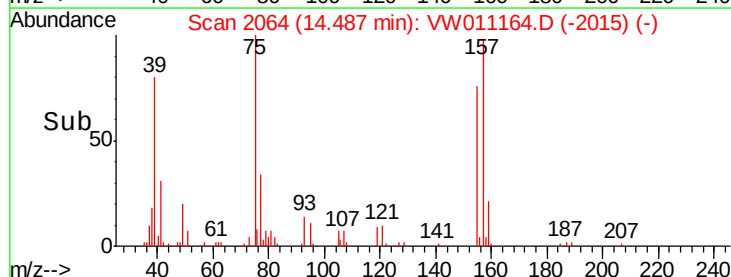
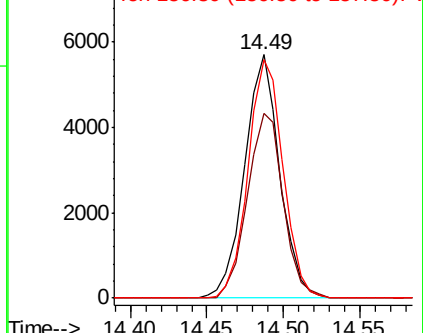


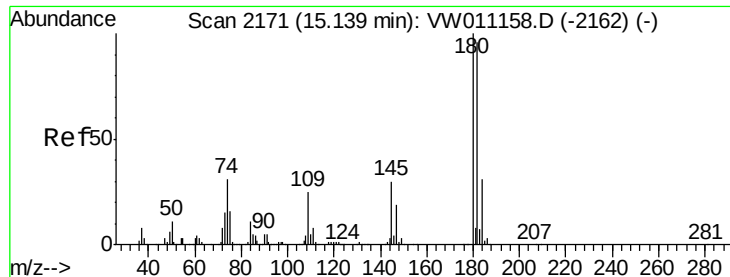
Abundance

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

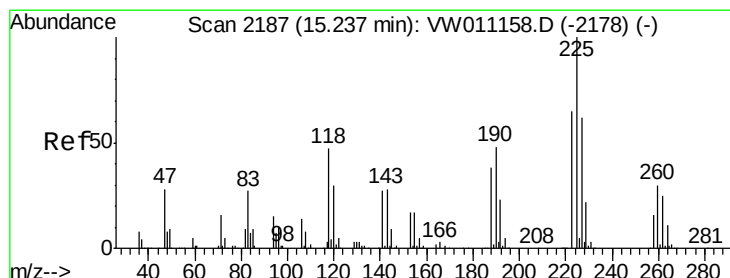
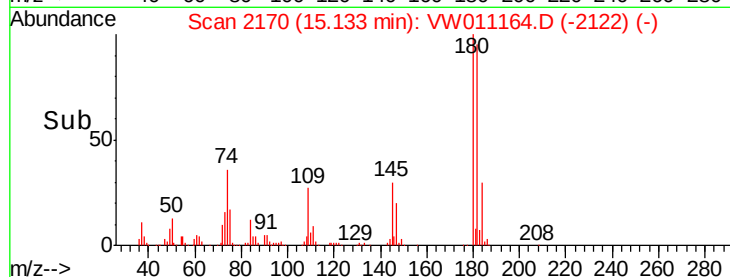
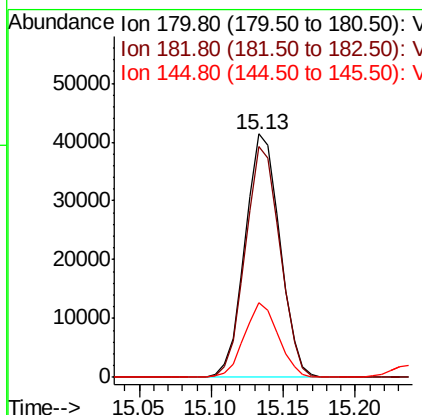
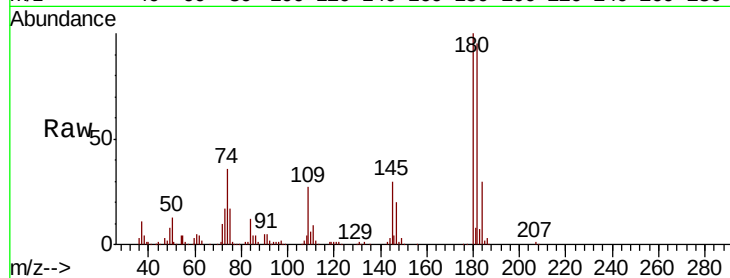




#93
 1,2,4-Trichlorobenzene
 Concen: 20.105 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

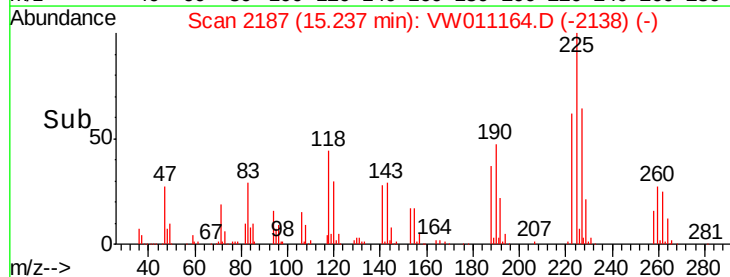
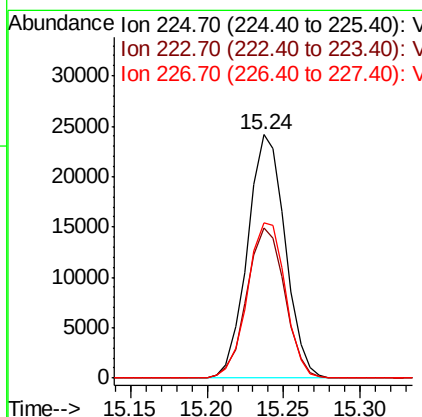
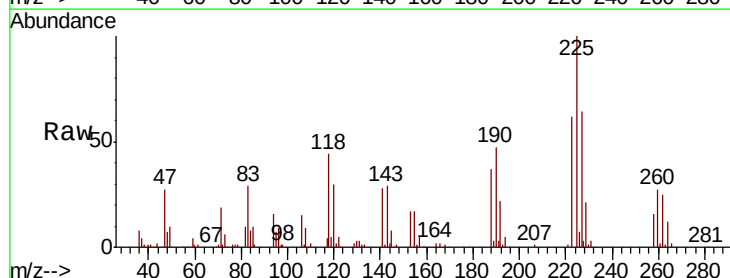
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

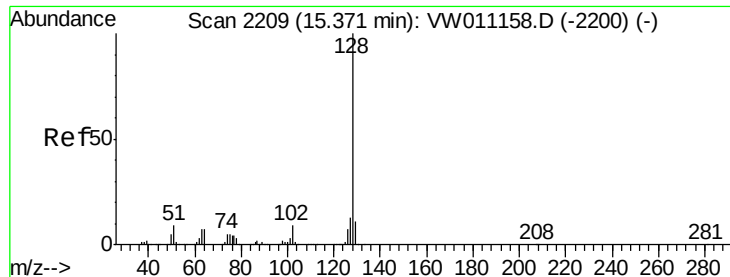
Tot Ion:180 Resp: 69206
 Ion Ratio Lower Upper
 180 100
 182 94.3 48.3 144.9
 145 29.8 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 19.610 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Tgt Ion:225 Resp: 41443
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.6 95.0
 227 64.3 32.0 96.0

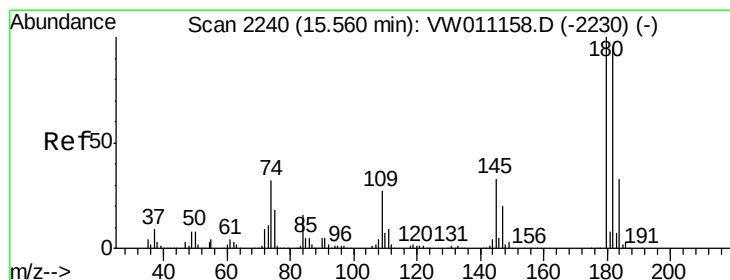
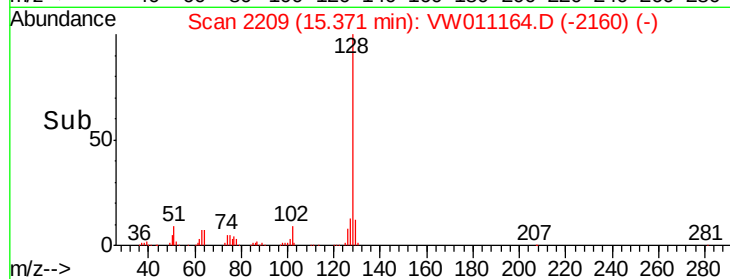
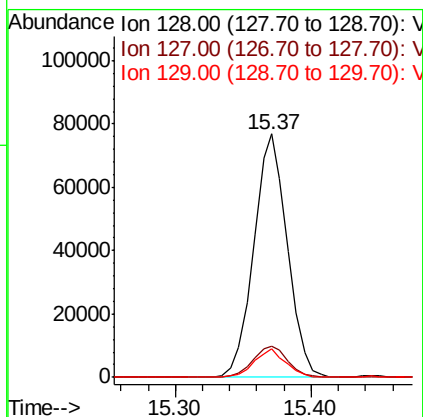
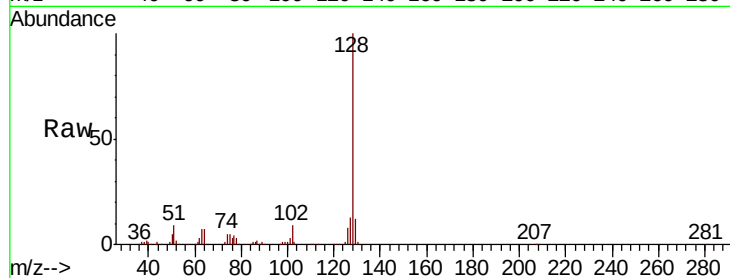




#95
Naphthalene
Concen: 20.100 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion:128 Resp: 132583
Ion Ratio Lower Upper
128 100
127 13.5 10.6 16.0
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.232 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion:180 Resp: 61463
Ion Ratio Lower Upper
180 100
182 95.8 47.6 142.8
145 32.5 16.5 49.5

