

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021219\
 Data File : VW008622.D
 Acq On : 12 Feb 2019 14:58
 Operator : SY/VA
 Sample : K1457-05MS
 Misc : 4.53G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 K1457-11MS

Quant Time: Feb 13 00:58:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	209820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	371107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	194172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	177279	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	170660	82.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	165.58%	
35) Dibromofluoromethane	7.88	113	142985	65.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.78%	
50) Toluene-d8	10.32	98	312713	35.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.88%	
62) 4-Bromofluorobenzene	12.62	95	201353	60.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	62837	51.705	ug/l	96
3) Chloromethane	2.21	50	129357	75.528	ug/l	97
4) Vinyl Chloride	2.36	62	162152	74.374	ug/l	99
5) Bromomethane	2.77	94	147599	104.959	ug/l	95
6) Chloroethane	2.92	64	142430	106.819	ug/l	98
7) Trichlorofluoromethane	3.25	101	96350	50.732	ug/l	92
8) Diethyl Ether	3.67	74	106965	102.225	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	77842	41.019	ug/l	95
10) Methyl Iodide	4.26	142	232690	77.628	ug/l	100
11) Tert butyl alcohol	5.18	59	108946	656.471	ug/l	99
12) 1,1-Dichloroethene	4.02	96	124110	64.623	ug/l	95
13) Acrolein	3.89	56	9964	71.096	ug/l	89
14) Allyl chloride	4.65	41	261880	71.809	ug/l	99
15) Acrylonitrile	5.37	53	278103	615.502	ug/l	99
16) Acetone	4.12	43	287057	620.138	ug/l	98
17) Carbon Disulfide	4.37	76	280293	45.696	ug/l	96
18) Methyl Acetate	4.67	43	484136	392.131	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	330214	103.920	ug/l	92
20) Methylene Chloride	4.91	84	184526	86.490	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	144031	66.707	ug/l	97
22) Diisopropyl ether	6.31	45	521560	75.460	ug/l	99
23) Vinyl Acetate	6.25	43	193456	47.402	ug/l	99
24) 1,1-Dichloroethane	6.21	63	296035	75.667	ug/l	100
25) 2-Butanone	7.17	43	413068	642.459	ug/l	99
26) 2,2-Dichloropropane	7.16	77	158211	59.827	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	177748	75.537	ug/l	96
28) Bromochloromethane	7.51	49	141176	78.565	ug/l	97
29) Tetrahydrofuran	7.52	42	259240	636.271	ug/l	97
30) Chloroform	7.67	83	292830	76.097	ug/l	99
31) Cyclohexane	7.95	56	103862	25.674	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	176241	53.025	ug/l	99
36) 1,1-Dichloropropene	8.07	75	139909	39.911	ug/l	98
37) Ethyl Acetate	7.25	43	111479	71.879	ug/l	99
38) Carbon Tetrachloride	8.06	117	137834	39.073	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	102340	22.223	ug/l	97
40) Benzene	8.32	78	538972	55.408	ug/l	99
41) Methacrylonitrile	7.48	41	101148	110.143	ug/l	96
42) 1,2-Dichloroethane	8.40	62	227151	80.580	ug/l	100
43) Isopropyl Acetate	8.42	43	223471	69.355	ug/l	97
44) Trichloroethene	9.09	130	114482	43.279	ug/l	97
45) 1,2-Dichloropropane	9.37	63	143876	59.320	ug/l	98
46) Dibromomethane	9.46	93	92616	74.243	ug/l	96
47) Bromodichloromethane	9.64	83	194679	59.001	ug/l	98
48) Methyl methacrylate	9.43	41	167323	106.203	ug/l	95
49) 1,4-Dioxane	9.45	88	47543	2254.700	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	837324	526.013	ug/l	100
52) Toluene	10.38	92	232946	36.278	ug/l	96
53) t-1,3-Dichloropropene	10.60	75	196787	56.048	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	218218	54.767	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	190053	109.837	ug/l	97
56) Ethyl methacrylate	10.65	69	286439	118.141	ug/l #	88
57) 1,3-Dichloropropane	10.93	76	201851	65.116	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	456090	387.167	ug/l	98
59) 2-Hexanone	10.97	43	608481	541.466	ug/l	94
60) Dibromochloromethane	11.13	129	116386	52.341	ug/l	99
61) 1,2-Dibromoethane	11.23	107	109046	63.558	ug/l #	69
64) Tetrachloroethene	10.86	164	65926	50.147	ug/l	96
65) Chlorobenzene	11.66	112	213353	53.826	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	88194	62.189	ug/l	99
67) Ethyl Benzene	11.73	91	255016	35.001	ug/l	99
68) m/p-Xylenes	11.84	106	216615	76.625	ug/l	99
69) o-Xylene	12.16	106	118930	44.277	ug/l	98
70) Styrene	12.18	104	181235	40.849	ug/l	94
71) Bromoform	12.35	173	63708	79.844	ug/l #	99
73) Isopropylbenzene	12.46	105	210507	15.928	ug/l	98
74) N-amyl acetate	12.23	43	246150	72.295	ug/l #	16
75) 1,1,2,2-Tetrachloroethane	12.71	83	302682	144.656	ug/l #	80
76) 1,2,3-Trichloropropane	12.77	75	102714m	66.640	ug/l	
77) Bromobenzene	12.75	156	77124	26.720	ug/l #	16
78) n-propylbenzene	12.80	91	235181	14.816	ug/l	93
79) 2-Chlorotoluene	12.90	91	235228	26.260	ug/l	91
80) 1,3,5-Trimethylbenzene	12.94	105	849219	76.875	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	46832	60.012	ug/l #	64
82) 4-Chlorotoluene	12.99	91	219741	23.041	ug/l	72
83) tert-Butylbenzene	13.21	119	182544	18.569	ug/l	83
84) 1,2,4-Trimethylbenzene	13.26	105	173702	15.470	ug/l	99
85) sec-Butylbenzene	13.38	105	180826	12.880	ug/l	98
86) p-Isopropyltoluene	13.50	119	146895	11.945	ug/l #	75
87) 1,3-Dichlorobenzene	13.50	146	120269	20.632	ug/l #	1
88) 1,4-Dichlorobenzene	13.58	146	119548	20.636	ug/l #	1
89) n-Butylbenzene	13.83	91	200684m	16.621	ug/l	
90) Hexachloroethane	14.10	117	76040	31.619	ug/l #	47
91) 1,2-Dichlorobenzene	13.87	146	113207	21.948	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.49	75	32822	82.672	ug/l	62

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Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	45612	12.392	ug/l #	16
94) Hexachlorobutadiene	15.24	225	16670	7.515	ug/l	98
95) Naphthalene	15.37	128	88455	13.687	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.57	180	36599	11.722	ug/l #	73

(#) = 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: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

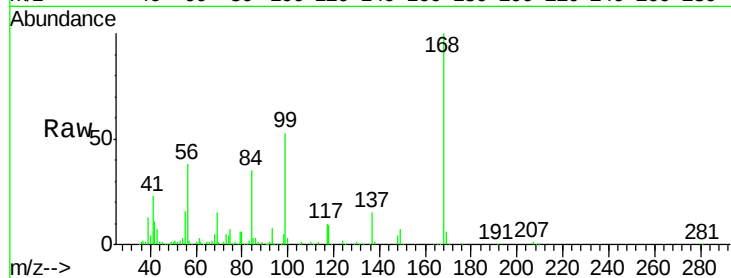
K1457-11MS

Tot Ion:168 Resp: 209820

Ion Ratio Lower Upper

168 100

99 52.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

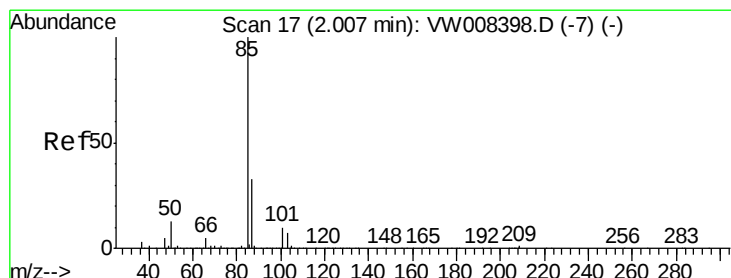
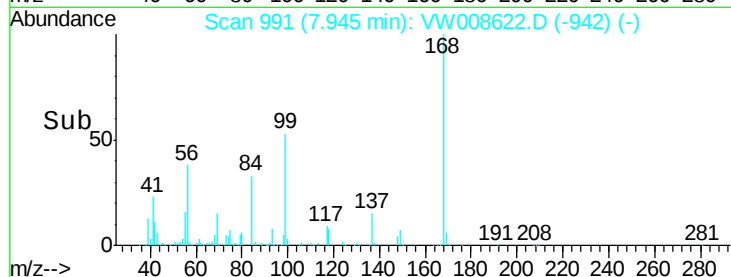
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 51.705 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008622.D

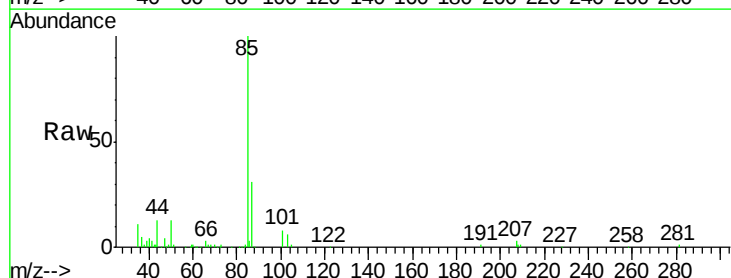
Acq: 12 Feb 2019 14:58

Tgt Ion: 85 Resp: 62837

Ion Ratio Lower Upper

85 100

87 31.0 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

15000

10000

5000

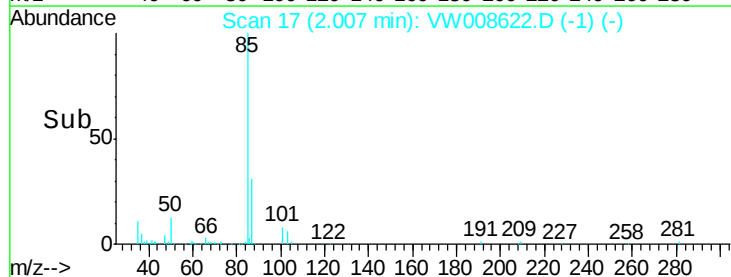
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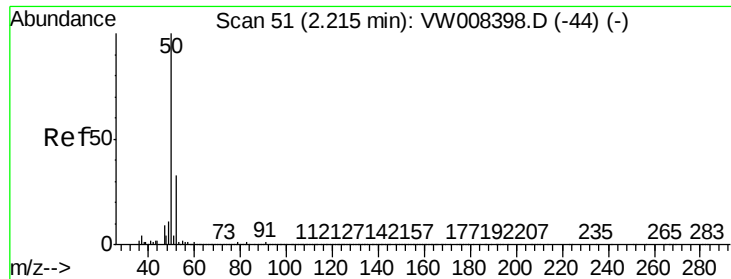
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 75.528 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

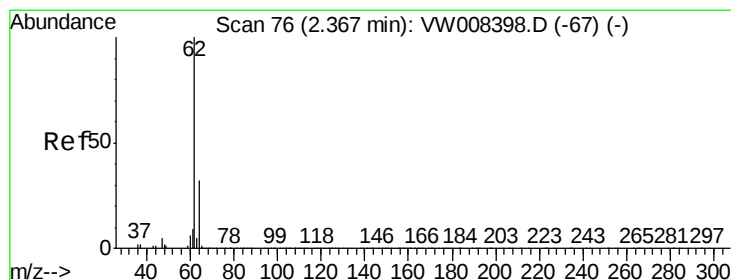
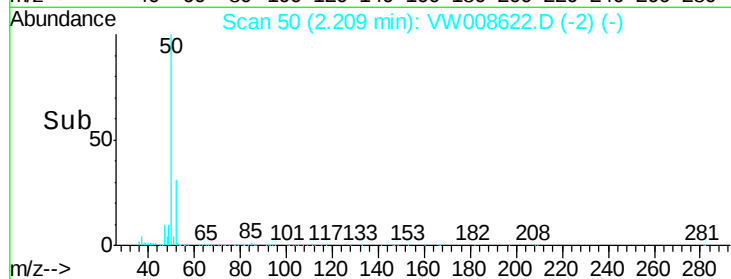
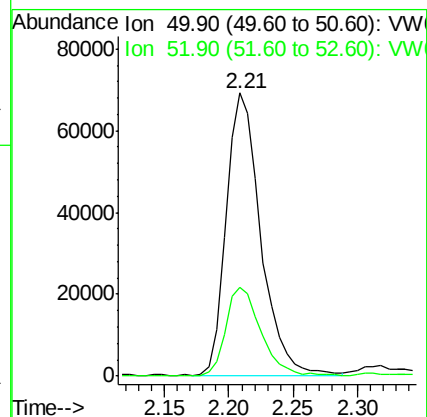
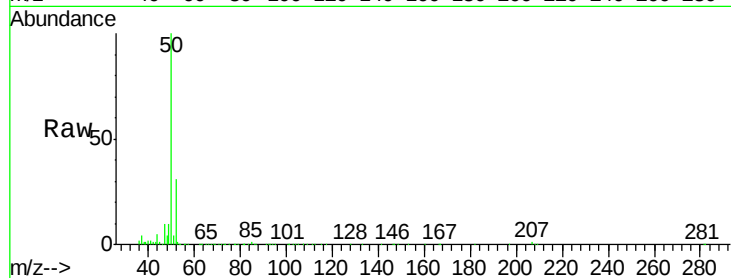
K1457-11MS

Tot Ion: 50 Resp: 129357

Ion Ratio Lower Upper

50 100

52 31.4 26.3 39.5



#4

Vinyl Chloride

Concen: 74.374 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008622.D

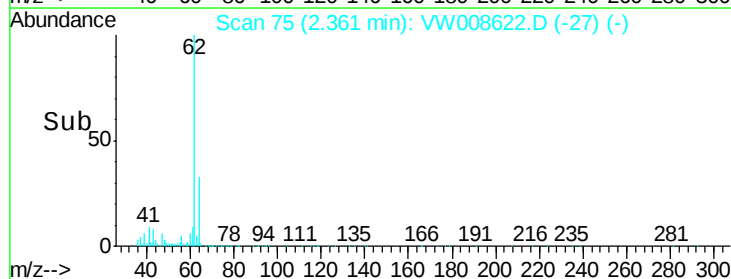
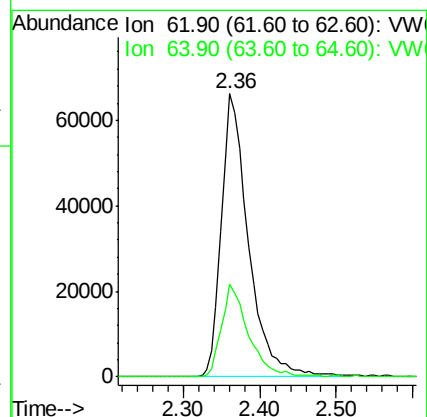
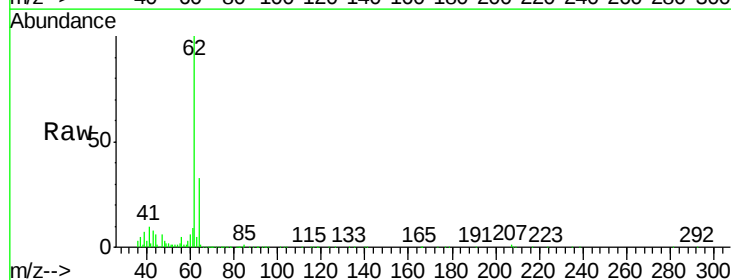
Acq: 12 Feb 2019 14:58

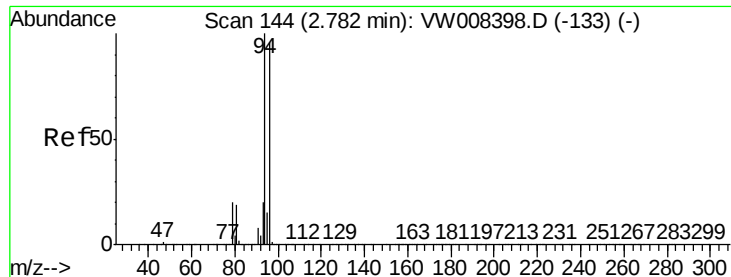
Tgt Ion: 62 Resp: 162152

Ion Ratio Lower Upper

62 100

64 32.7 25.5 38.3





#5

Bromomethane

Concen: 104.959 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

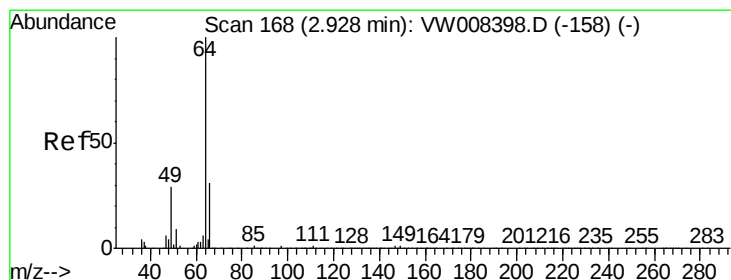
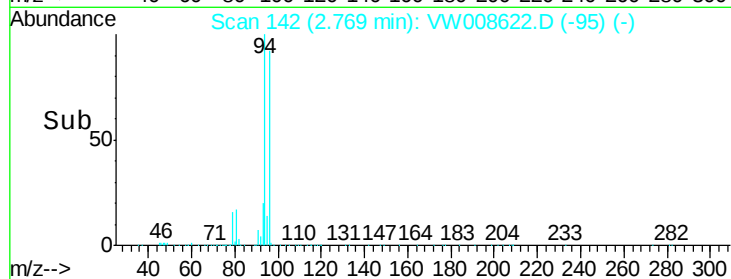
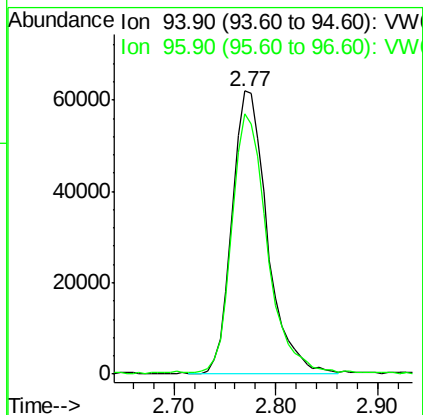
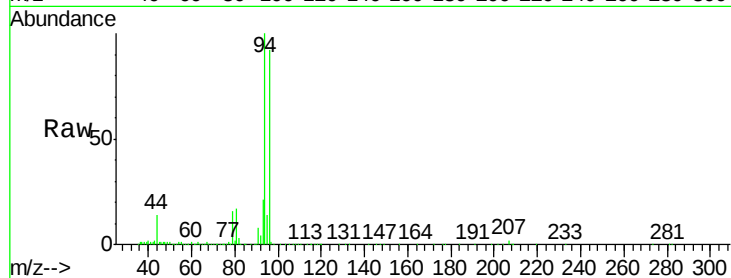
K1457-11MS

Tot Ion: 94 Resp: 147599

Ion Ratio Lower Upper

94 100

96 91.8 77.2 115.8



#6

Chloroethane

Concen: 106.819 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW008622.D

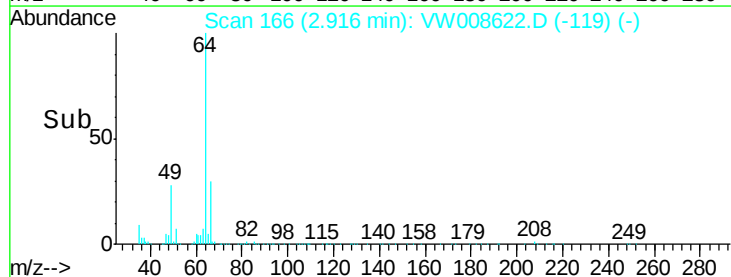
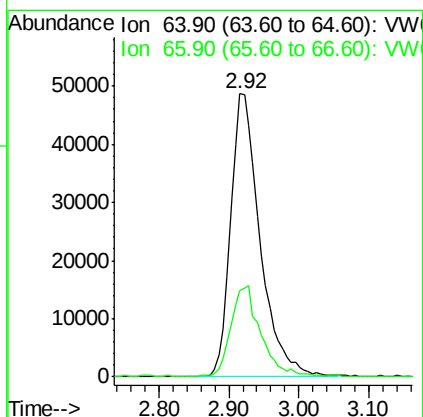
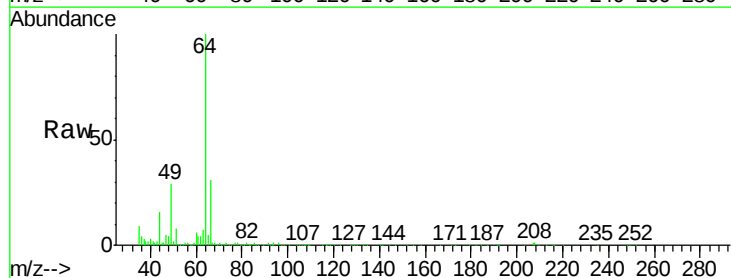
Acq: 12 Feb 2019 14:58

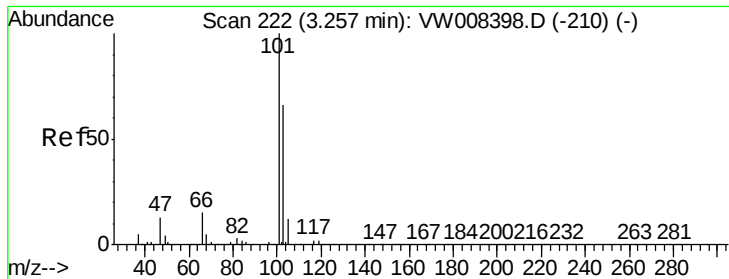
Tgt Ion: 64 Resp: 142430

Ion Ratio Lower Upper

64 100

66 30.2 24.9 37.3



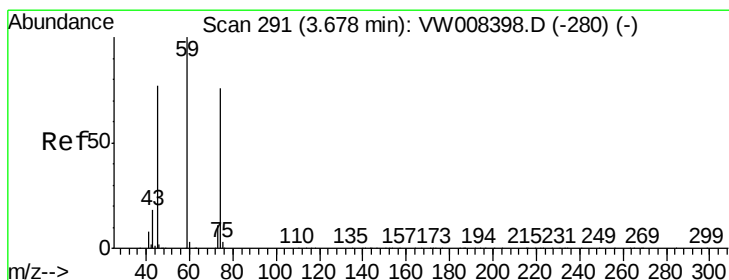
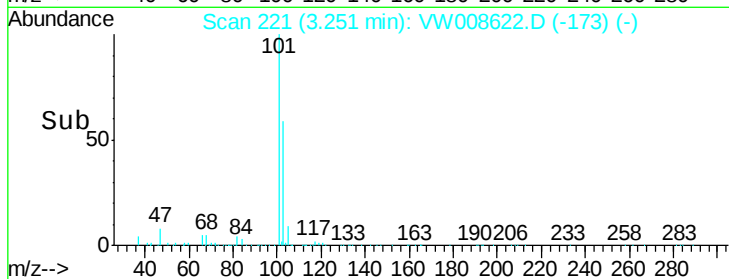
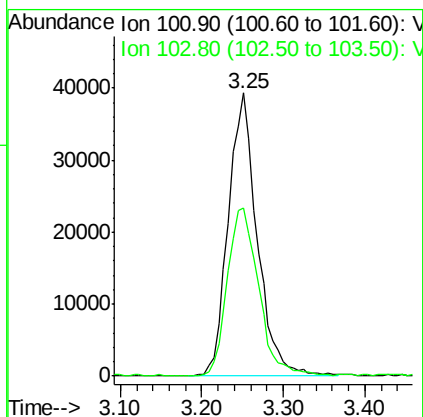
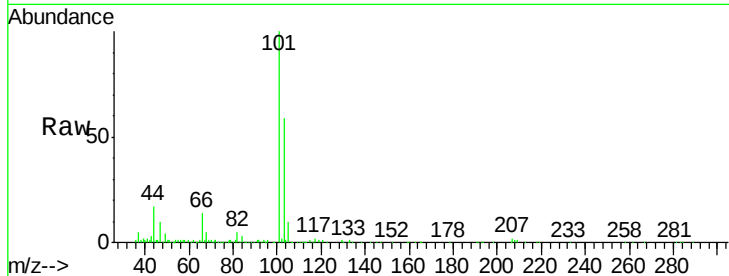


#7

Trichlorofluoromethane
Concen: 50.732 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008622.D
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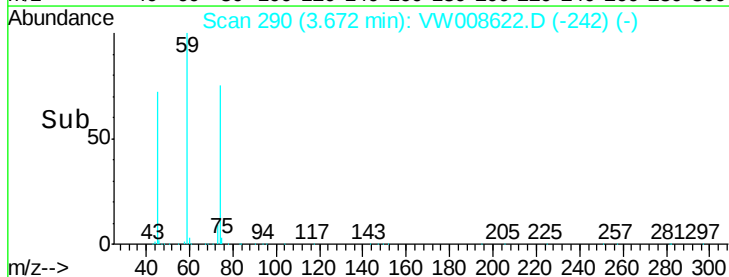
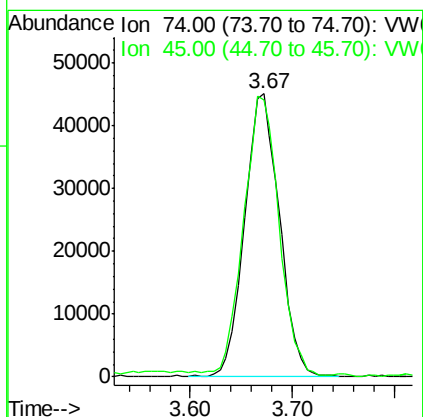
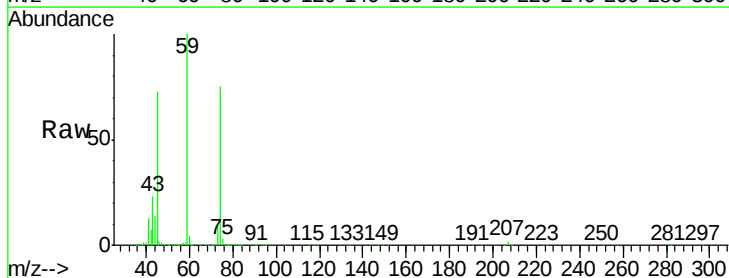
Tot Ion:101 Resp: 96350
Ion Ratio Lower Upper
101 100
103 59.4 52.5 78.7



#8

Diethyl Ether
Concen: 102.225 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

Tgt Ion: 74 Resp: 106965
Ion Ratio Lower Upper
74 100
45 100.1 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.019 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

K1457-11MS

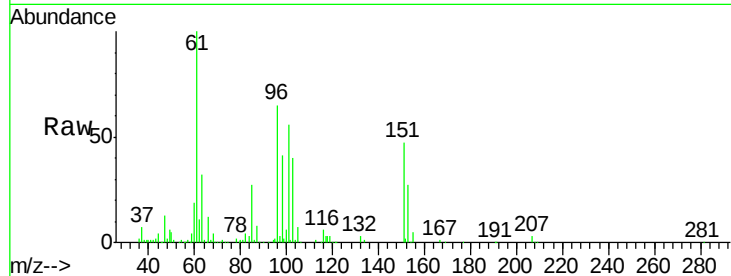
Tot Ion:101 Resp: 77842

Ion Ratio Lower Upper

101 100

85 46.2 35.0 52.4

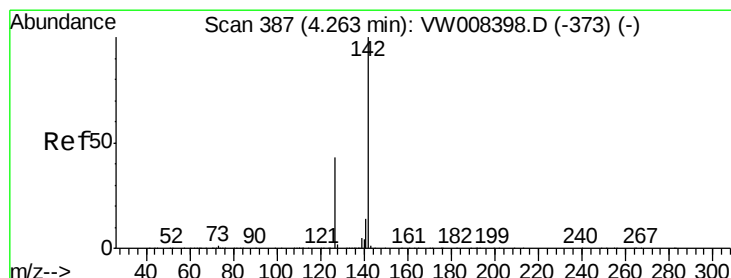
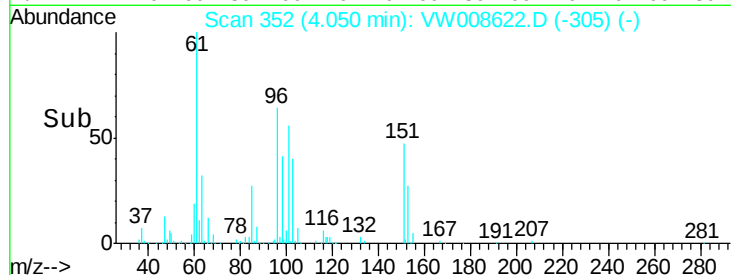
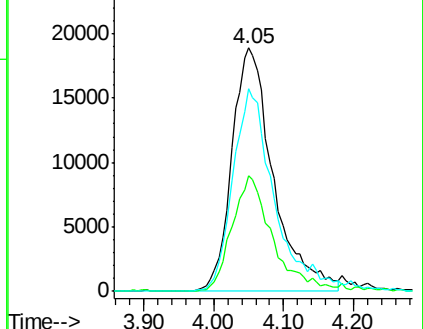
151 83.2 62.6 94.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 77.628 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

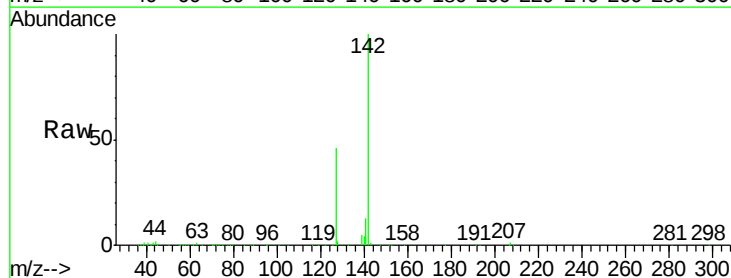
Tgt Ion:142 Resp: 232690

Ion Ratio Lower Upper

142 100

127 43.6 34.6 52.0

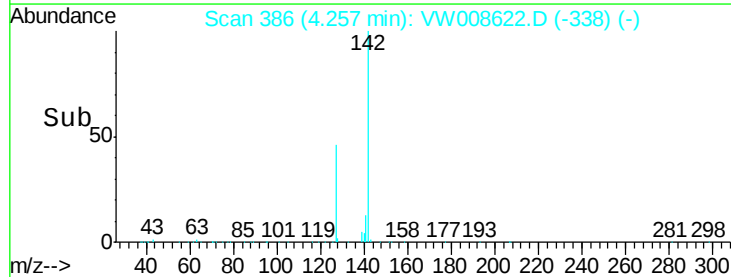
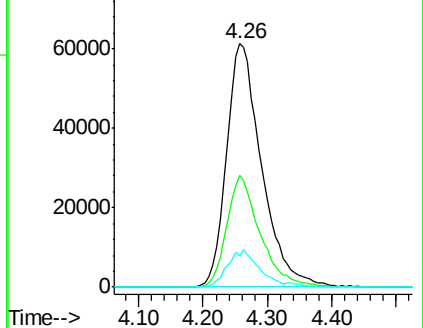
141 14.5 11.4 17.2

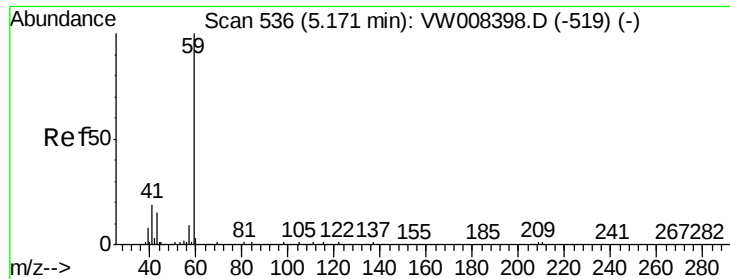


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

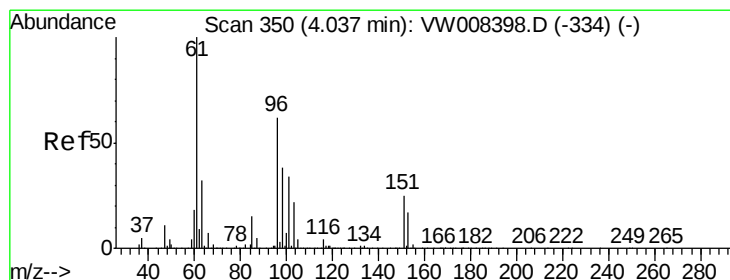
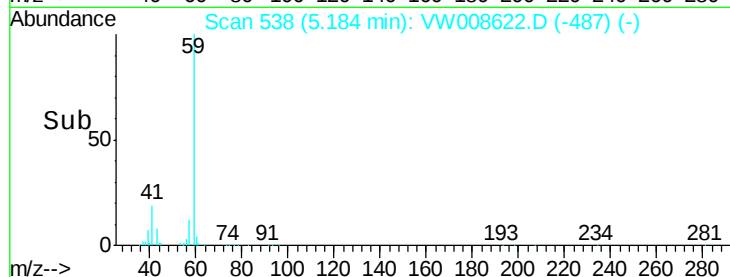
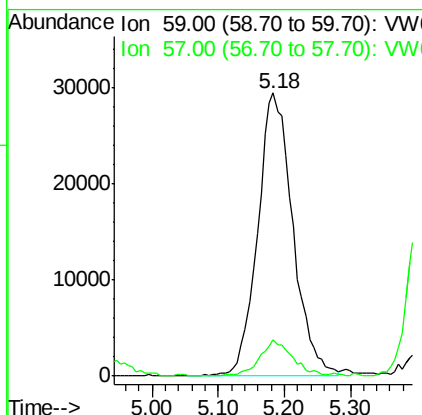
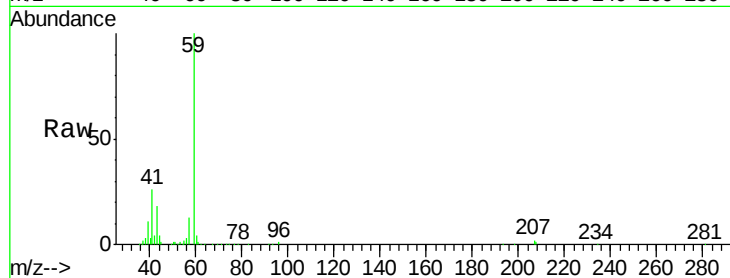




#11
Tert butyl alcohol
Concen: 656.471 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

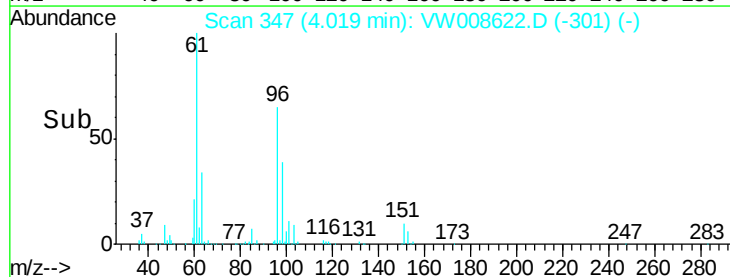
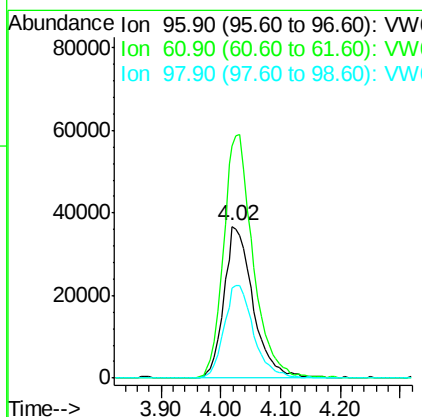
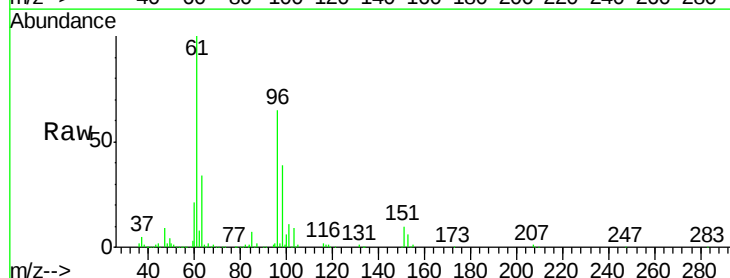
Instrument :
MSVOA_W
ClientSampled :
K1457-11MS

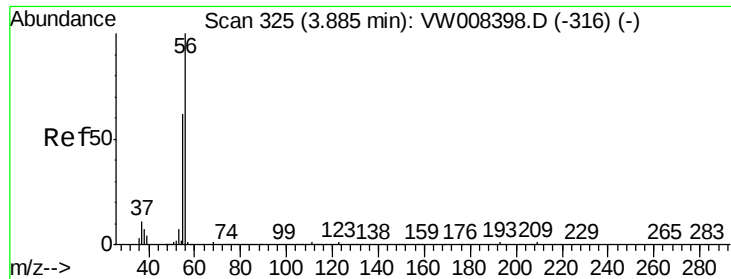
Tot Ion: 59 Resp: 108946
Ion Ratio Lower Upper
59 100
57 12.0 9.3 13.9



#12
1,1-Dichloroethene
Concen: 64.623 ug/l
RT: 4.02 min Scan# 347
Delta R.T. -0.02 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

Tgt Ion: 96 Resp: 124110
Ion Ratio Lower Upper
96 100
61 152.8 129.5 194.3
98 59.4 48.6 73.0





#13

Acrolein

Concen: 71.096 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

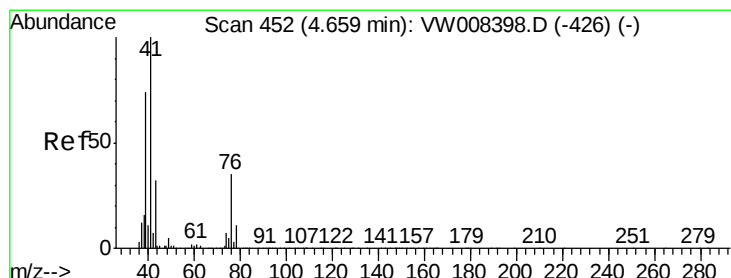
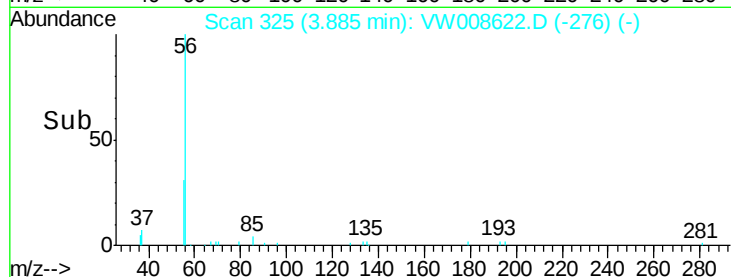
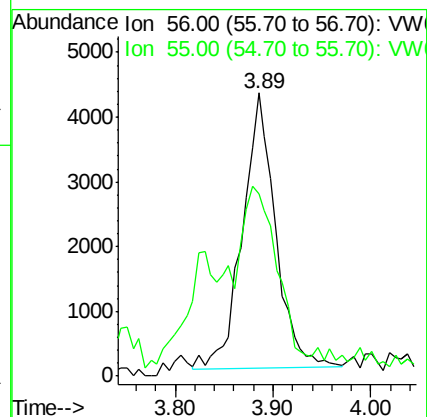
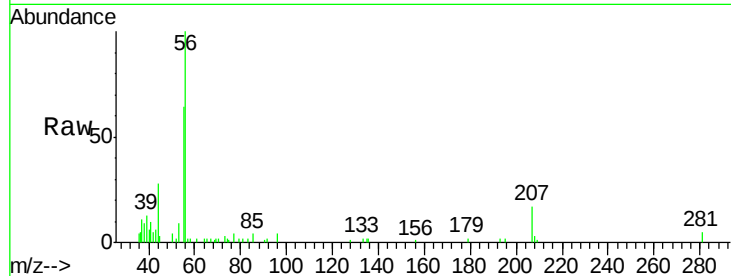
K1457-11MS

Tot Ion: 56 Resp: 9964

Ion Ratio Lower Upper

56 100

55 62.2 56.7 85.1



#14

Allyl chloride

Concen: 71.809 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

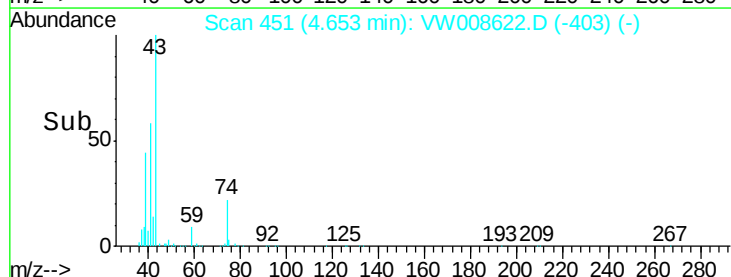
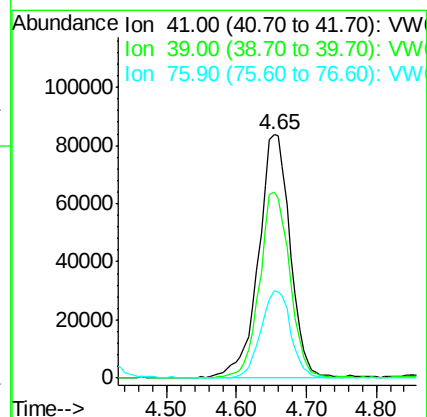
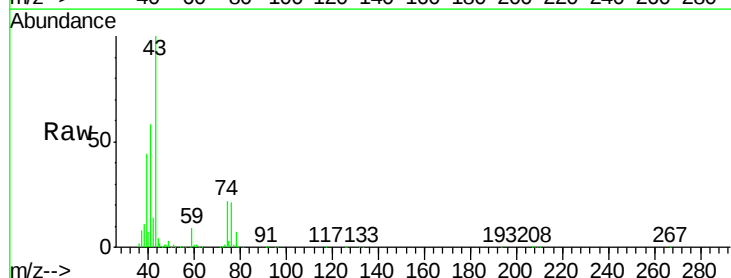
Tgt Ion: 41 Resp: 261880

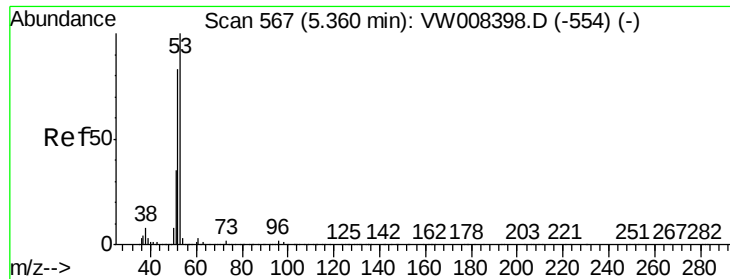
Ion Ratio Lower Upper

41 100

39 72.6 57.7 86.5

76 33.9 26.9 40.3





#15

Acrylonitrile

Concen: 615.502 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

K1457-11MS

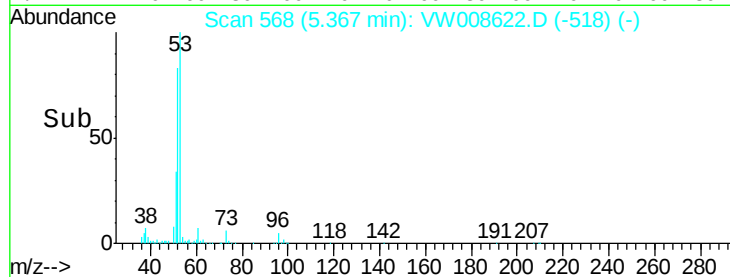
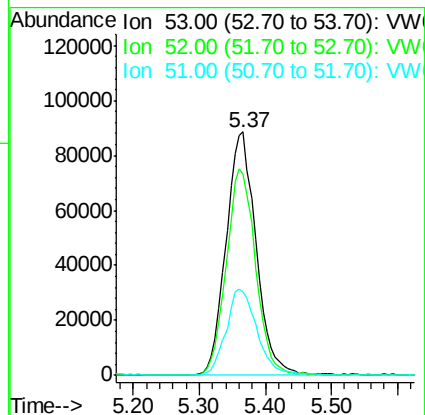
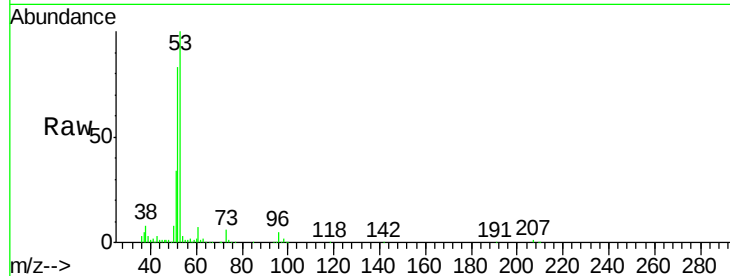
Tot Ion: 53 Resp: 278103

Ion Ratio Lower Upper

53 100

52 83.0 67.0 100.4

51 36.6 29.8 44.8



#16

Acetone

Concen: 620.138 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008622.D

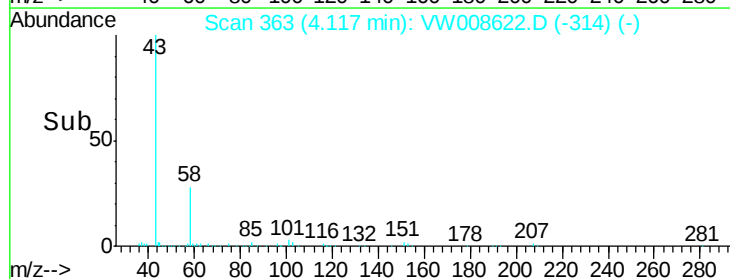
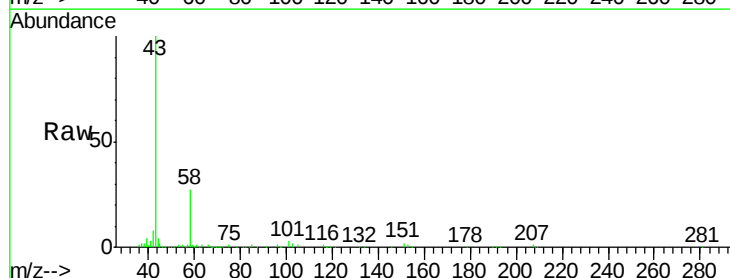
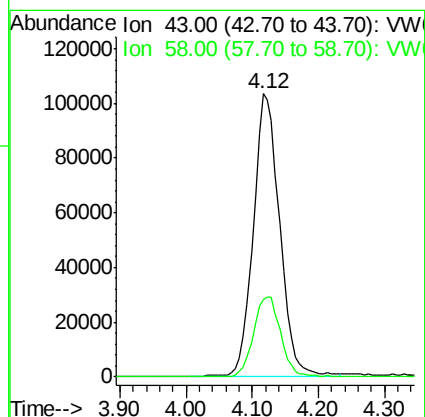
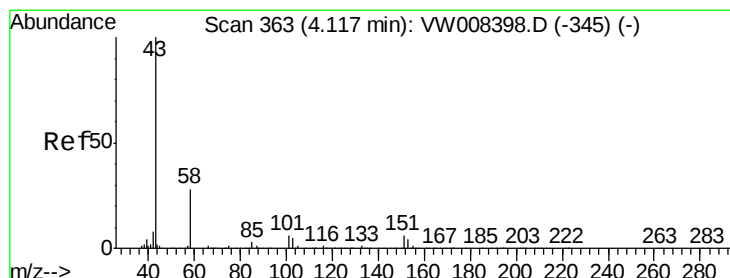
Acq: 12 Feb 2019 14:58

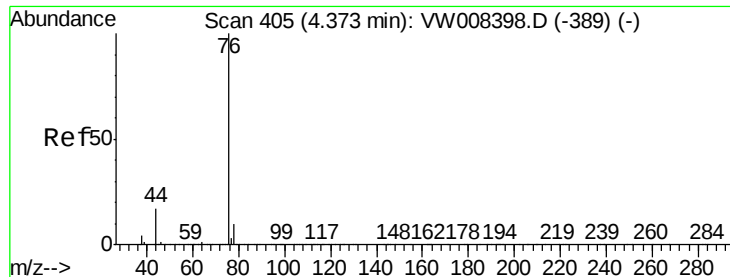
Tgt Ion: 43 Resp: 287057

Ion Ratio Lower Upper

43 100

58 27.4 22.6 34.0

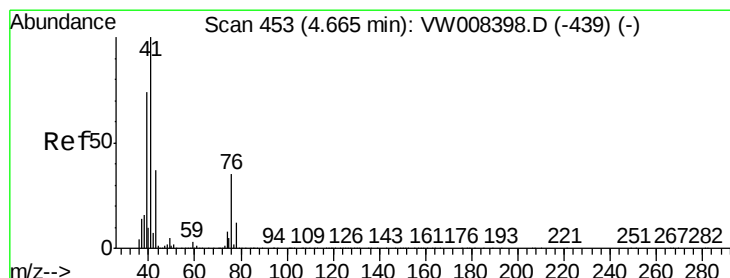
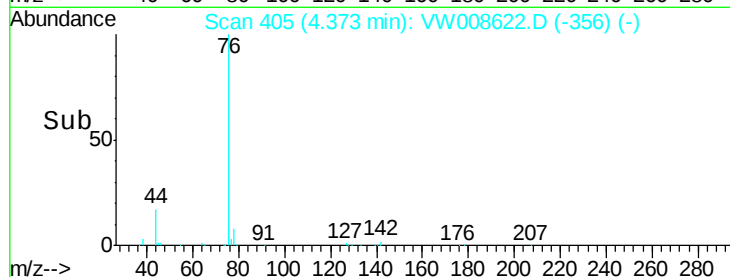
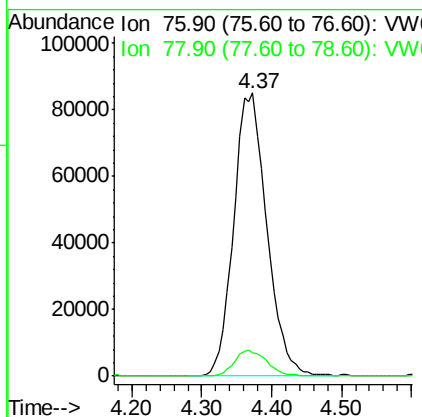
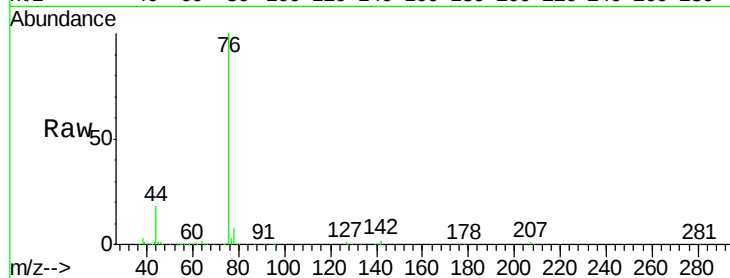




#17
Carbon Disulfide
Concen: 45.696 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

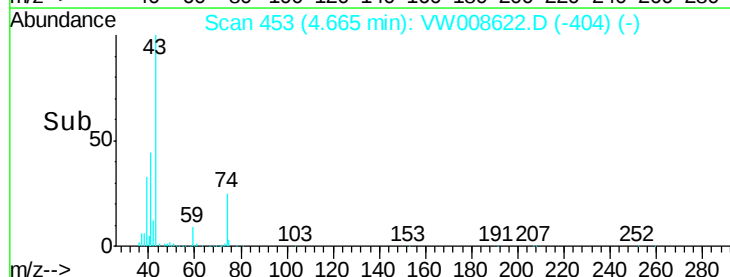
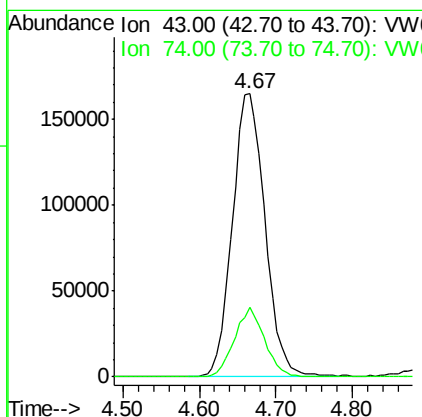
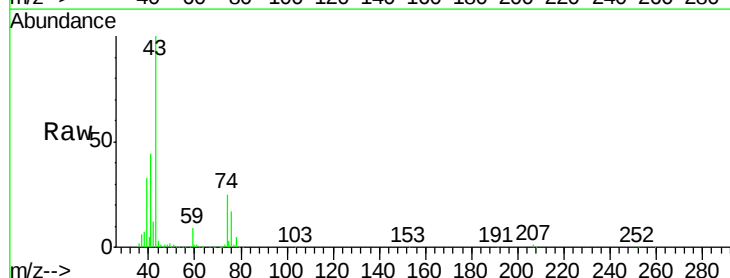
Instrument :
MSVOA_W
ClientSampleId :
K1457-11MS

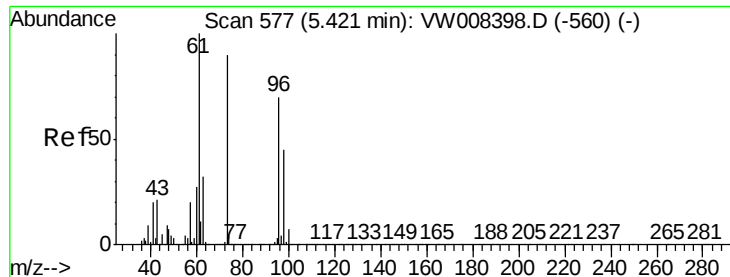
Tot Ion: 76 Resp: 280293
Ion Ratio Lower Upper
76 100
78 8.1 7.7 11.5



#18
Methyl Acetate
Concen: 392.131 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

Tgt Ion: 43 Resp: 484136
Ion Ratio Lower Upper
43 100
74 22.9 17.5 26.3

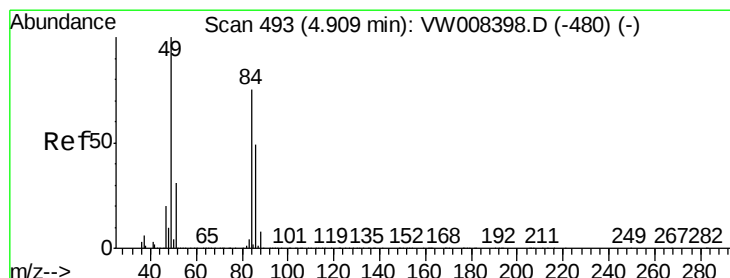
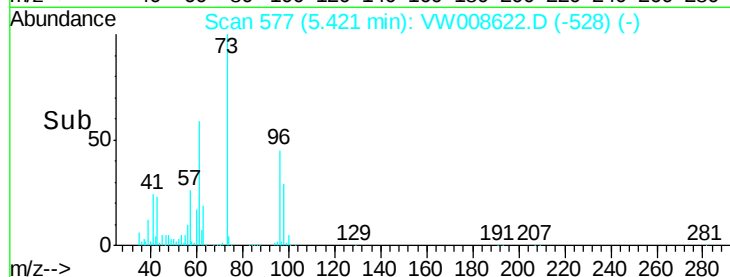
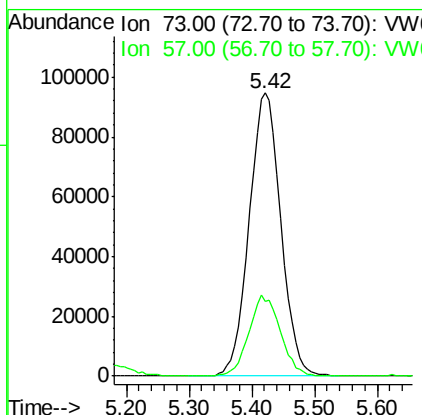
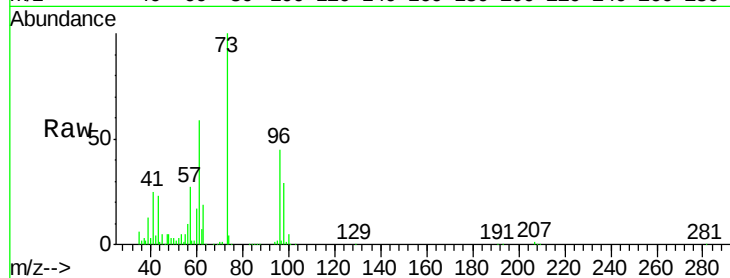




#19
Methvl tert-butvl Ether
Concen: 103.920 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

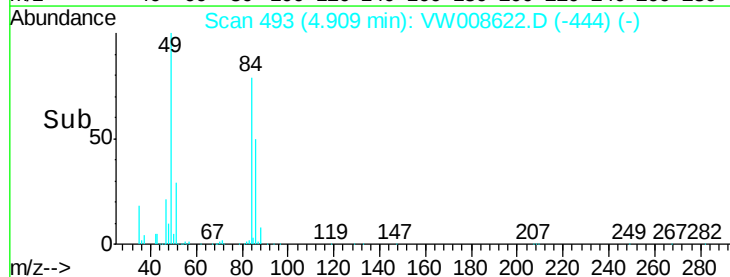
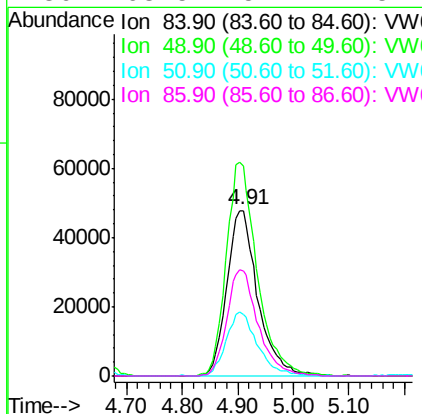
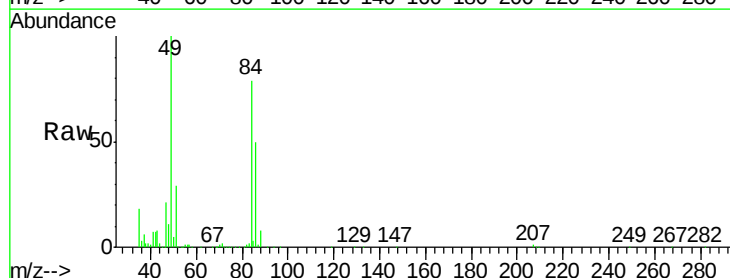
Instrument :
MSVOA_W
ClientSampleId :
K1457-11MS

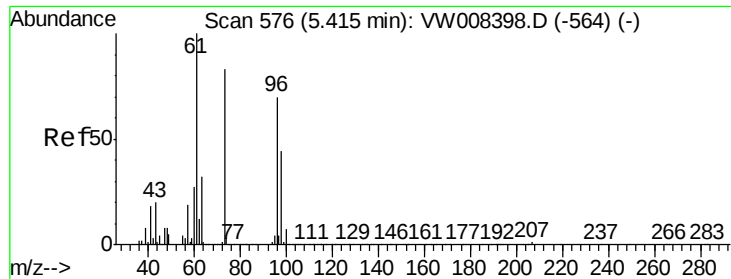
Tot Ion: 73 Resp: 330214
Ion Ratio Lower Upper
73 100
57 26.5 18.0 27.0



#20
Methylene Chloride
Concen: 86.490 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

Tgt Ion: 84 Resp: 184526
Ion Ratio Lower Upper
84 100
49 127.2 106.8 160.2
51 37.2 32.9 49.3
86 63.5 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 66.707 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

K1457-11MS

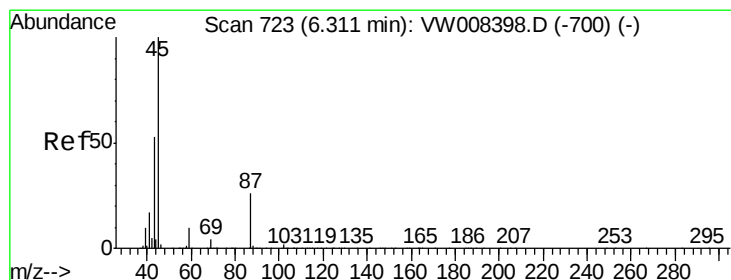
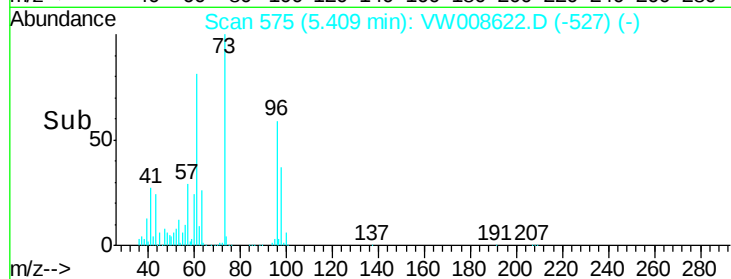
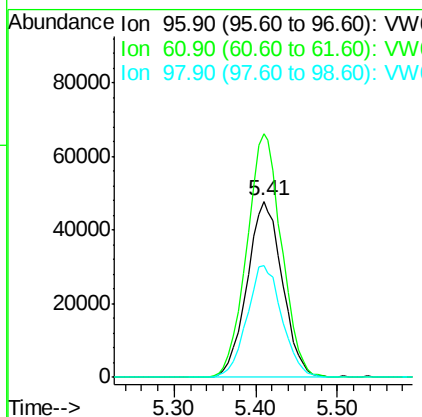
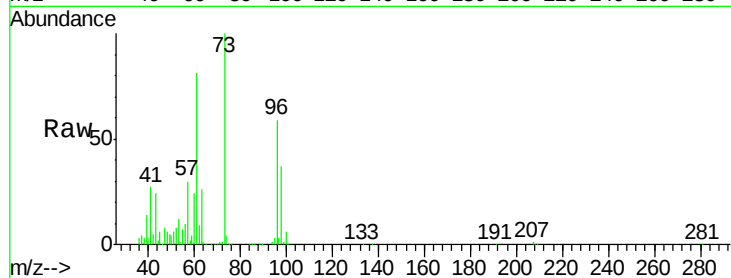
Tot Ion: 96 Resp: 144031

Ion Ratio Lower Upper

96 100

61 138.3 114.4 171.6

98 63.8 50.6 75.8



#22

Diisopropyl ether

Concen: 75.460 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Tgt Ion: 45 Resp: 521560

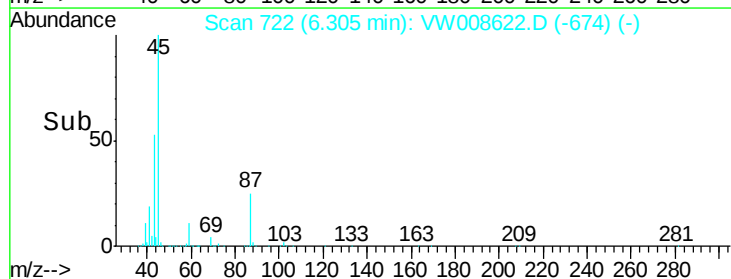
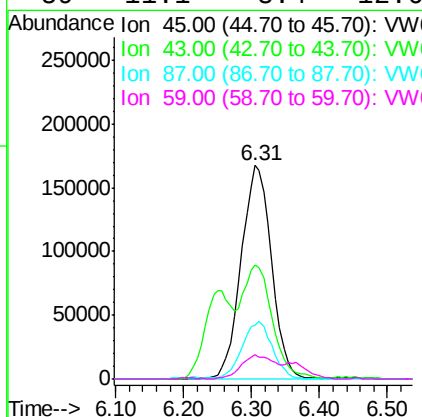
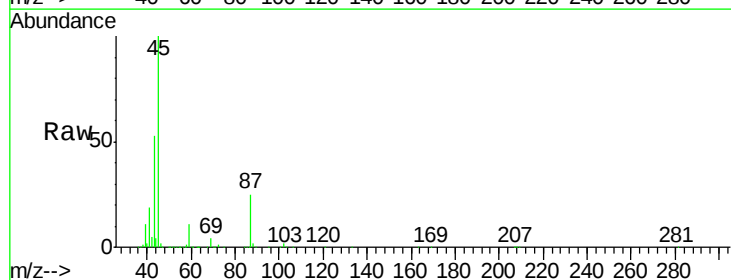
Ion Ratio Lower Upper

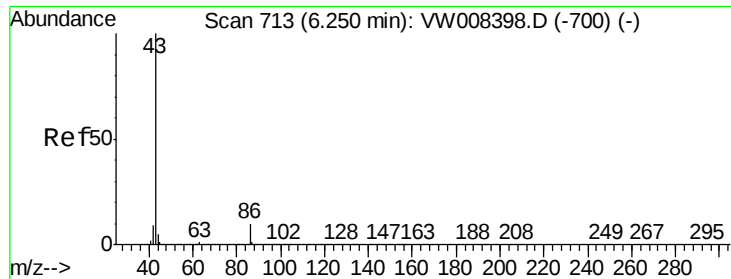
45 100

43 52.2 42.6 63.8

87 25.3 20.3 30.5

59 11.1 8.4 12.6





#23

Vinyl Acetate

Concen: 47.402 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

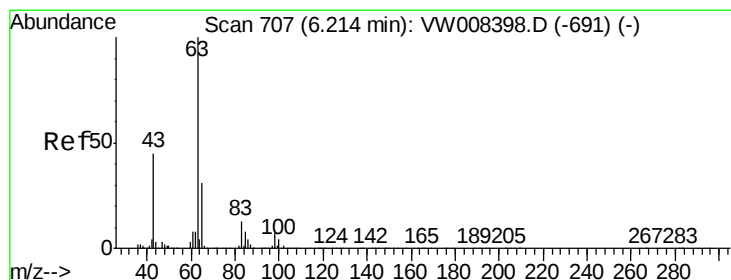
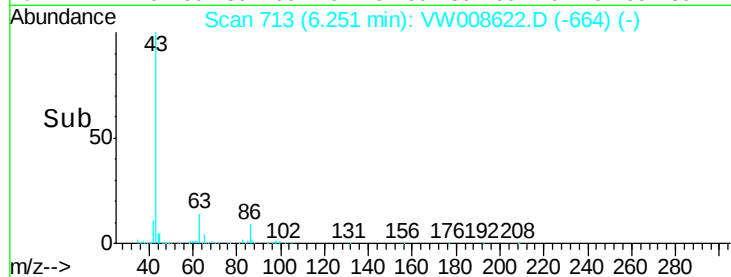
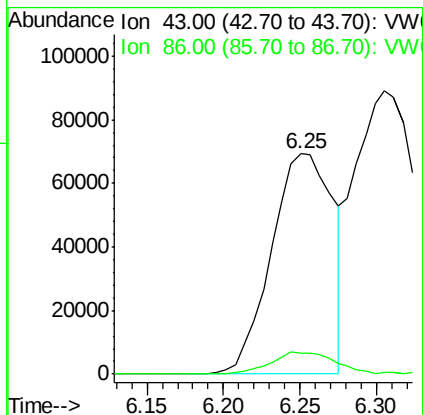
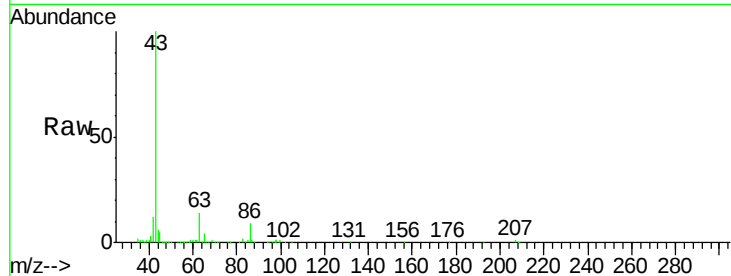
K1457-11MS

Tot Ion: 43 Resp: 193456

Ion Ratio Lower Upper

43 100

86 9.3 7.8 11.8



#24

1,1-Dichloroethane

Concen: 75.667 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

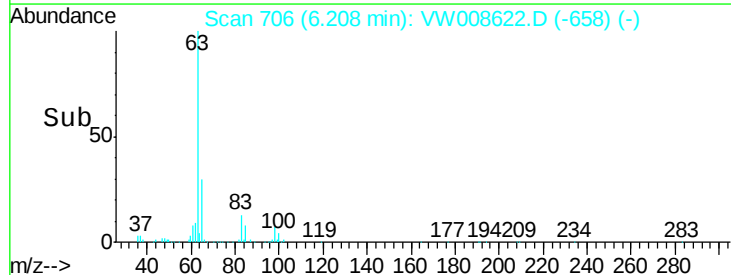
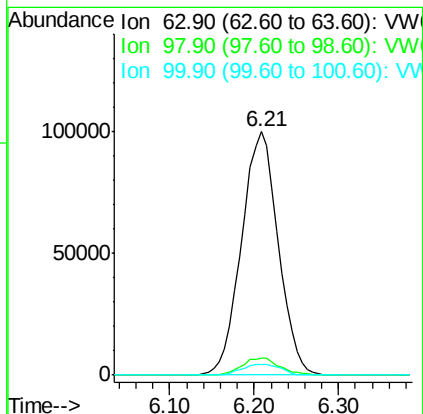
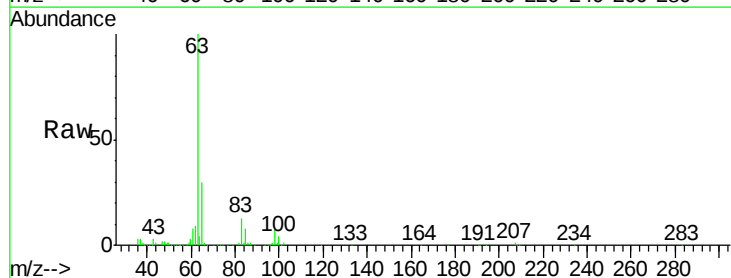
Tgt Ion: 63 Resp: 296035

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.3 2.1 6.2





#25

2-Butanone

Concen: 642.459 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampled :

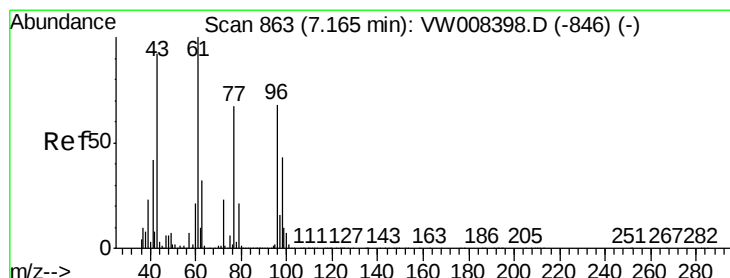
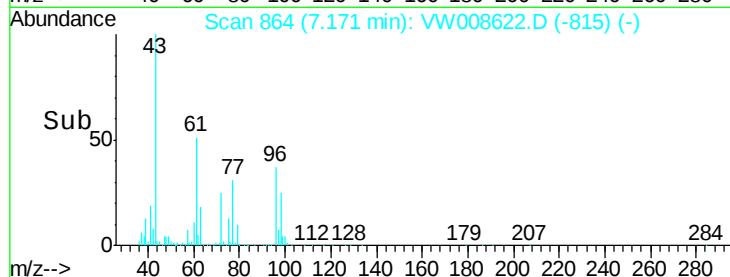
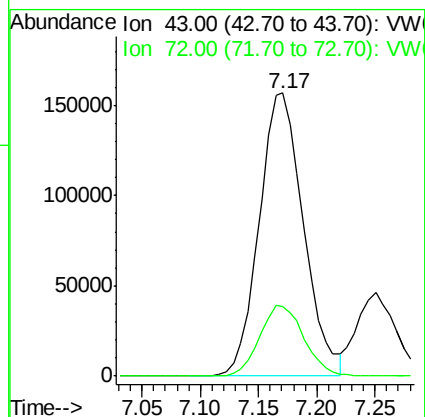
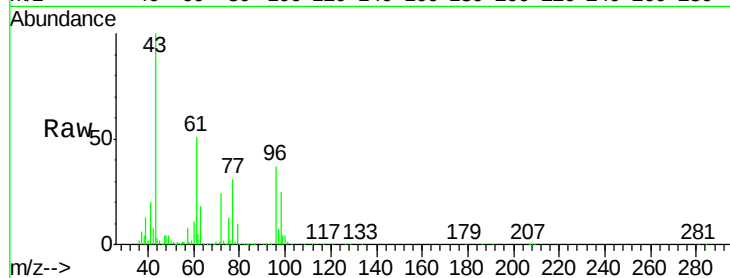
K1457-11MS

Tot Ion: 43 Resp: 413068

Ion Ratio Lower Upper

43 100

72 24.5 20.1 30.1



#26

2,2-Dichloropropane

Concen: 59.827 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008622.D

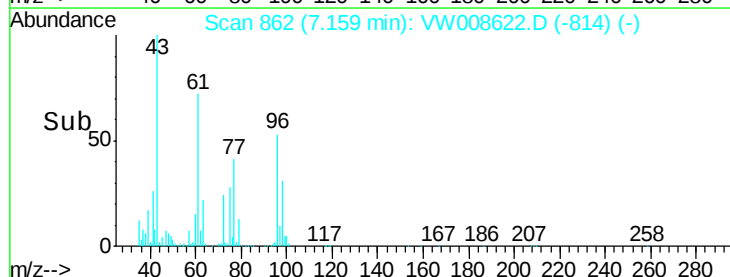
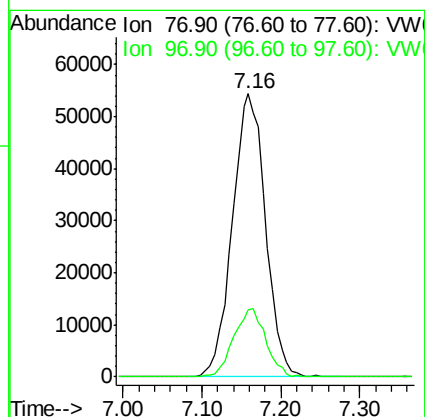
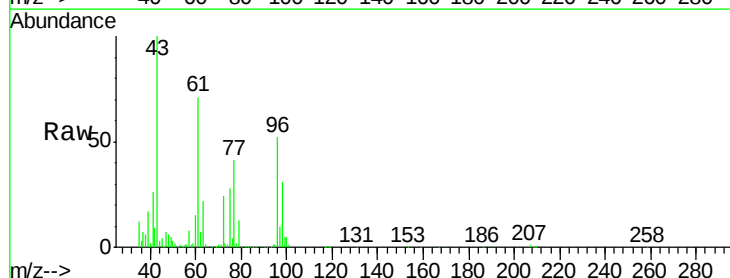
Acq: 12 Feb 2019 14:58

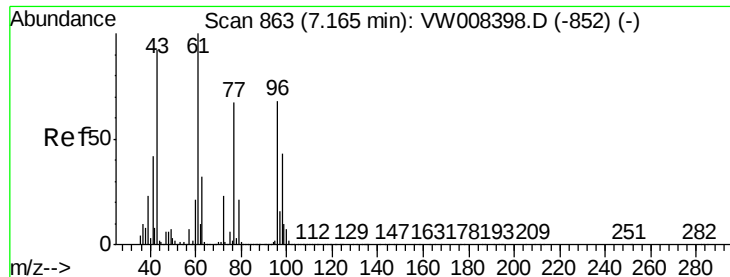
Tgt Ion: 77 Resp: 158211

Ion Ratio Lower Upper

77 100

97 23.4 11.5 34.5



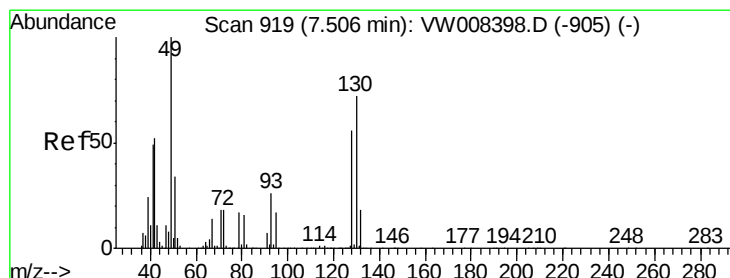
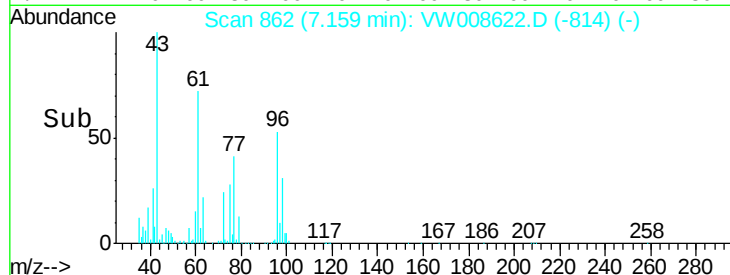
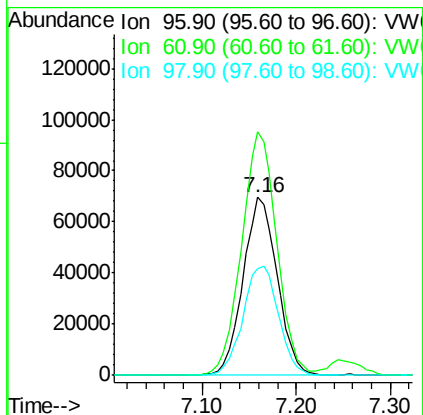
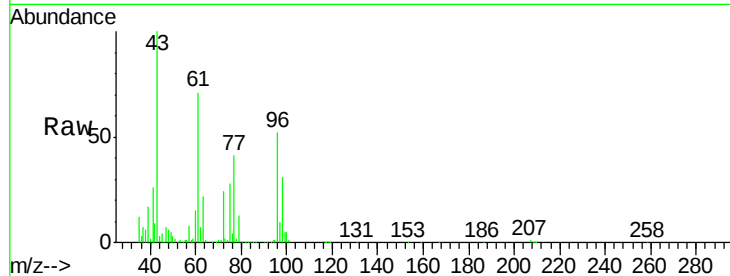


#27

cis-1,2-Dichloroethene
Concen: 75.537 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :
K1457-11MS

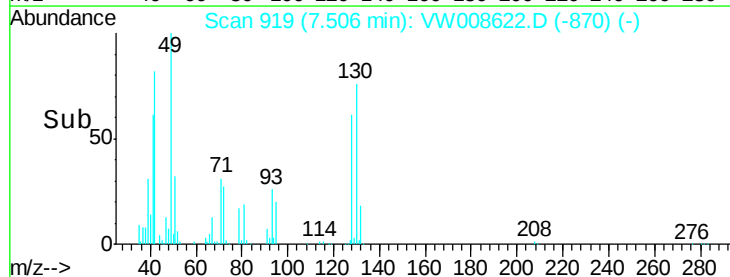
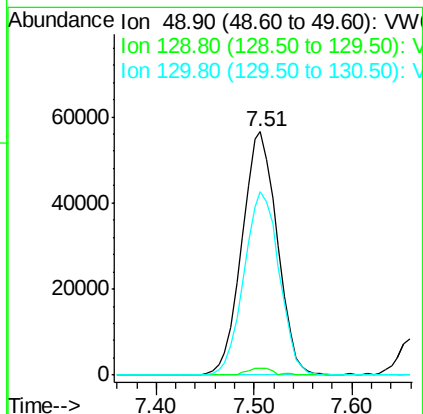
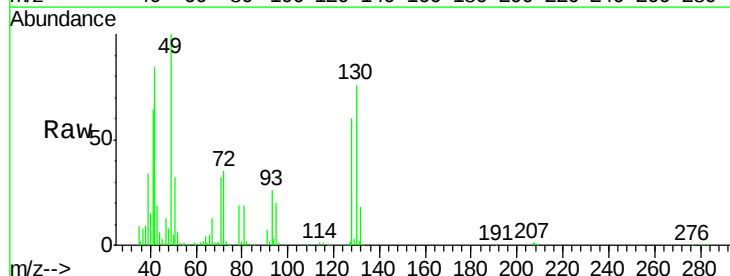
Tot Ion: 96 Resp: 177748
Ion Ratio Lower Upper
96 100
61 140.2 0.0 292.8
98 63.8 0.0 129.2

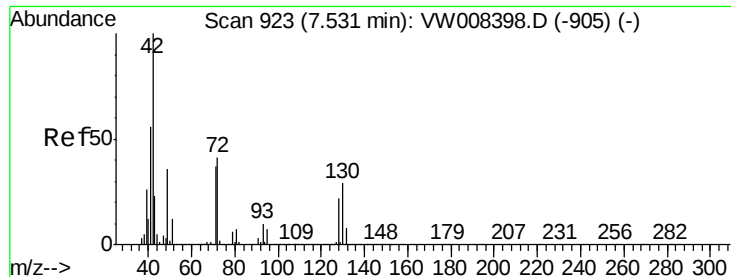


#28

Bromochloromethane
Concen: 78.565 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

Tgt Ion: 49 Resp: 141176
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.6
130 75.7 58.6 87.8

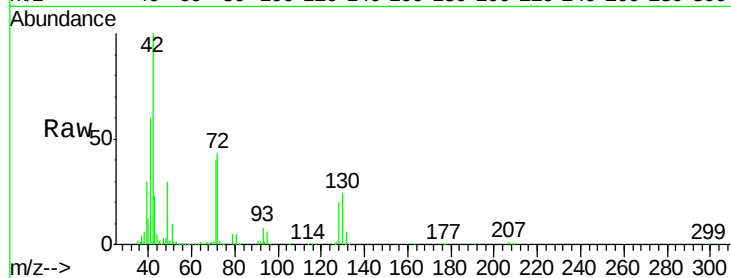




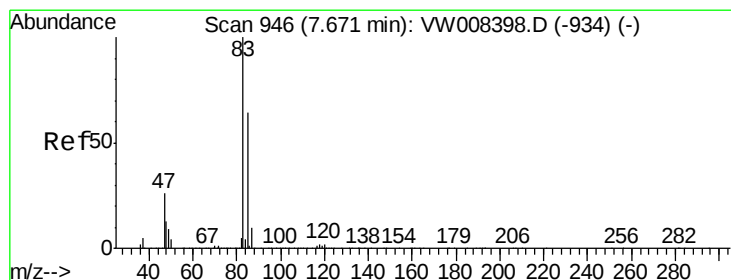
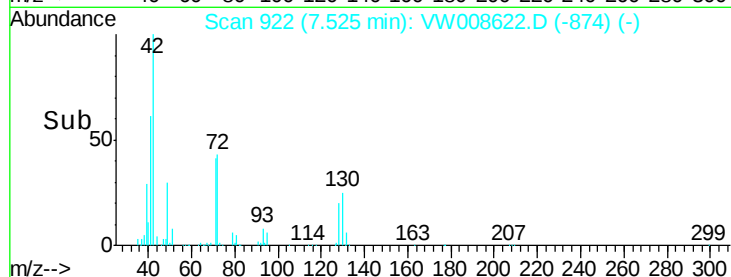
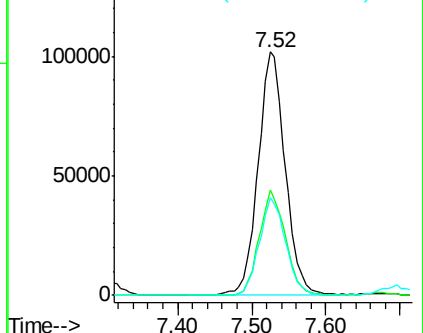
#29
Tetrahydrofuran
Concen: 636.271 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :
K1457-11MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	31.9	47.9
71	39.1	29.9	44.9

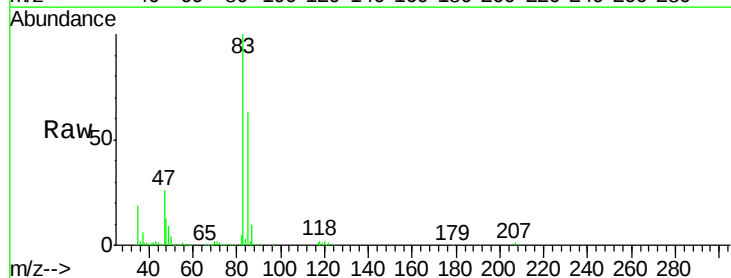


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

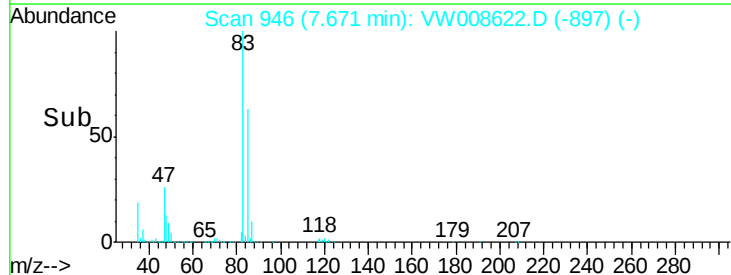
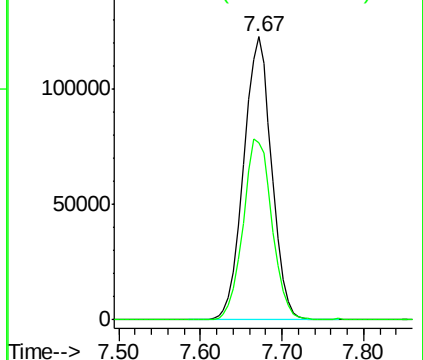


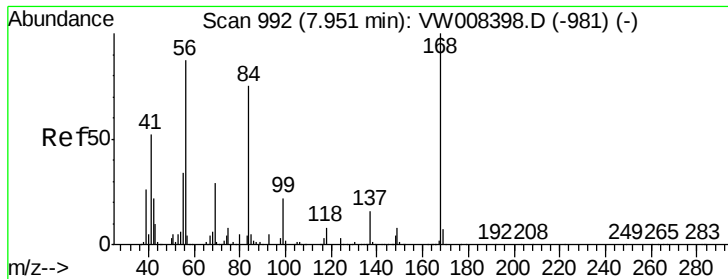
#30
Chloroform
Concen: 76.097 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.9	76.3



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





#31

Cyclohexane

Concen: 25.674 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

K1457-11MS

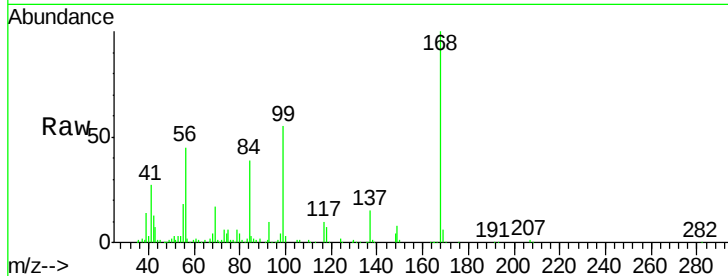
Tot Ion: 56 Resp: 103862

Ion Ratio Lower Upper

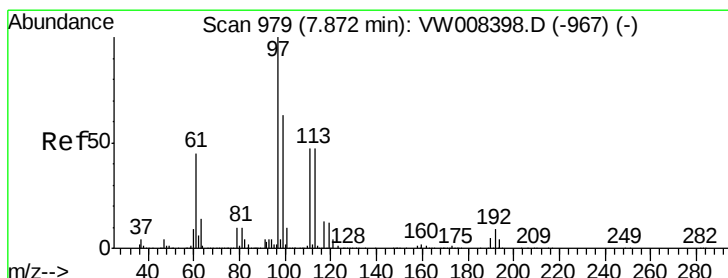
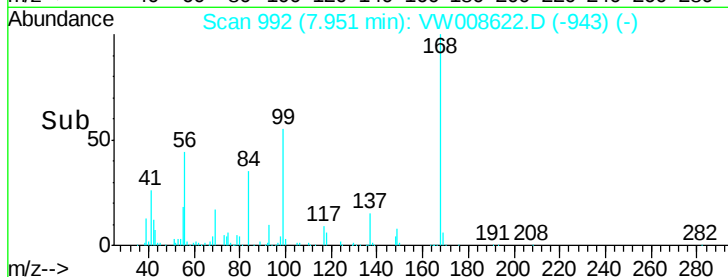
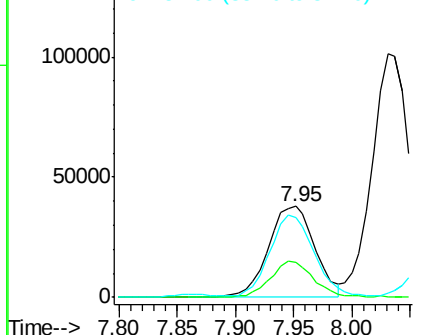
56 100

69 37.7 26.4 39.6

84 84.4 69.1 103.7



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



#32

1,1,1-Trichloroethane

Concen: 53.025 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

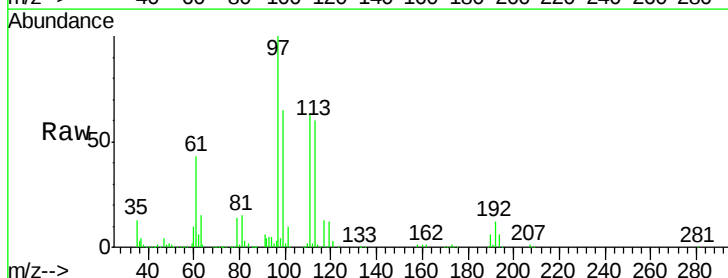
Tgt Ion: 97 Resp: 176241

Ion Ratio Lower Upper

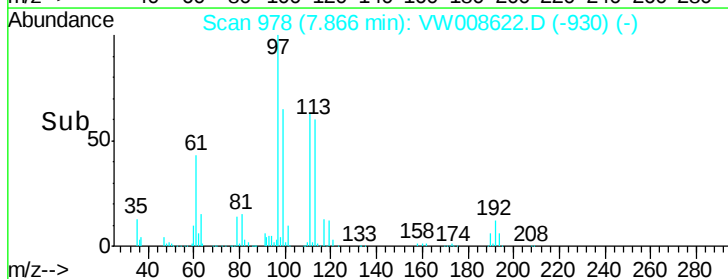
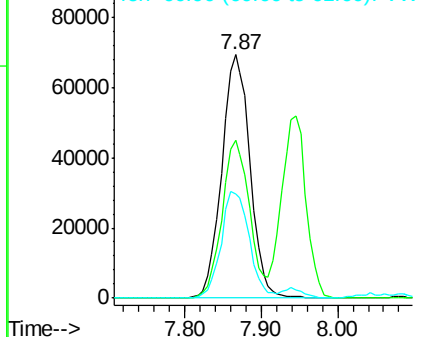
97 100

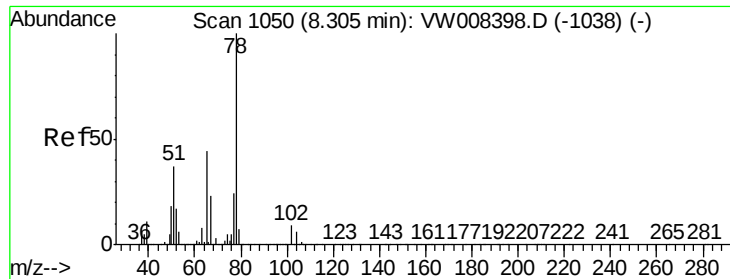
99 64.1 51.3 76.9

61 44.2 36.2 54.4



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

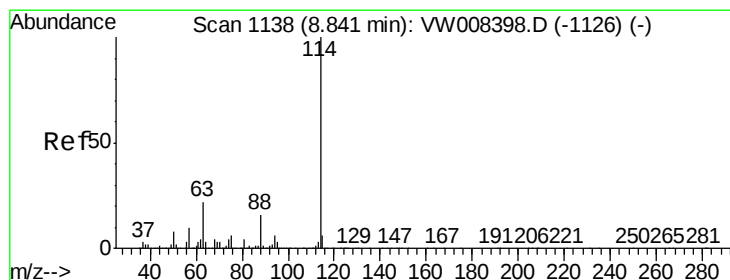
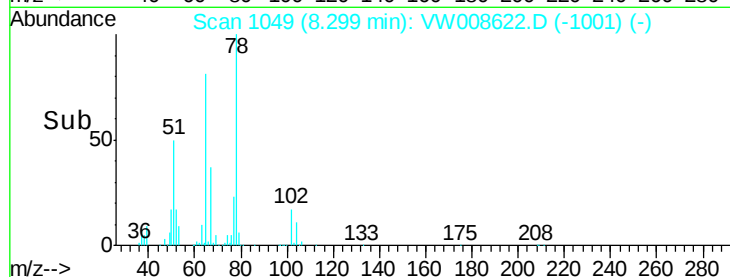
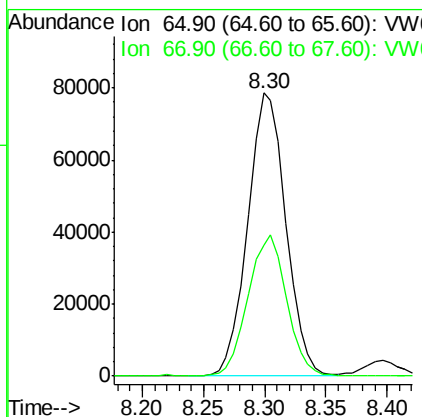
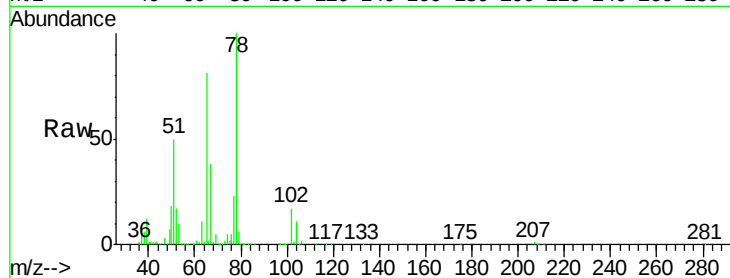




#33
 1,2-Dichloroethane-d4
 Concen: 82.793 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008622.D
 Acq: 12 Feb 2019 14:58

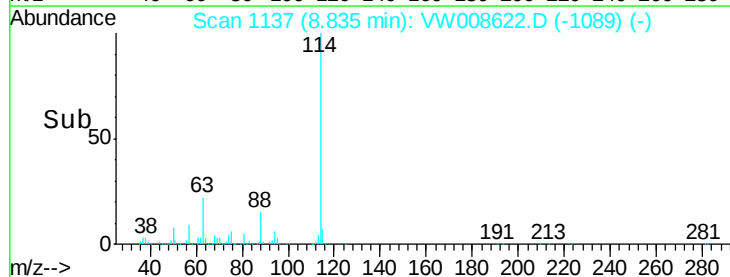
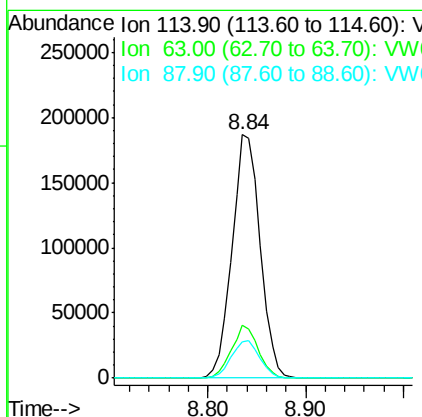
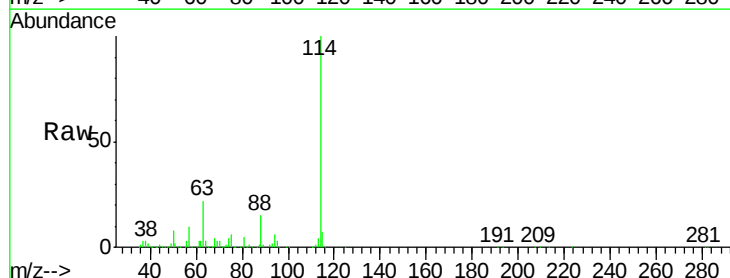
Instrument :
 MSVOA_W
 ClientSampled :
 K1457-11MS

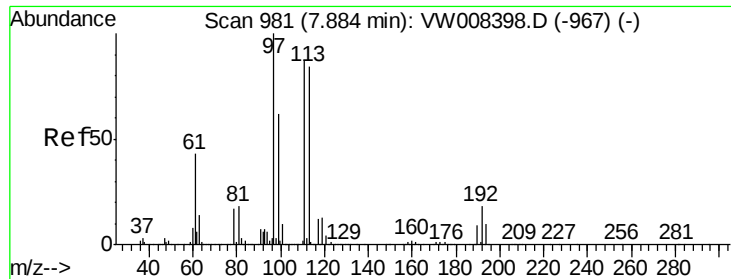
Tot Ion: 65 Resp: 170660
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW008622.D
 Acq: 12 Feb 2019 14:58

Tgt Ion: 114 Resp: 371107
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.6
 88 14.7 0.0 31.8

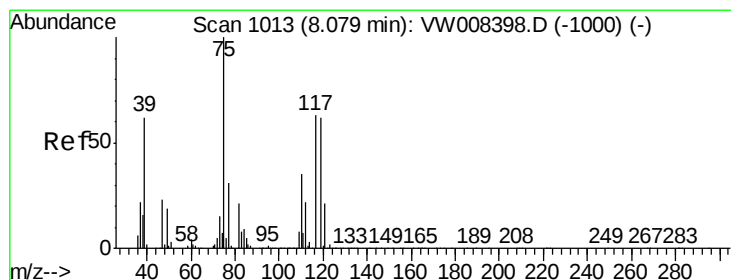
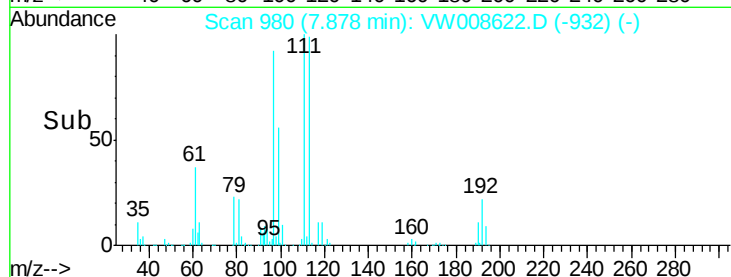
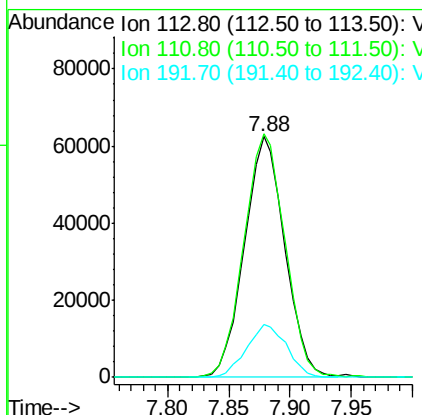
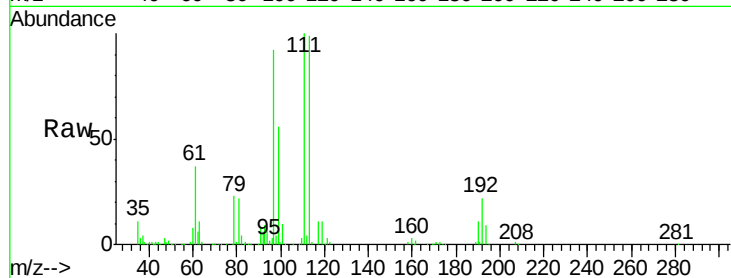




#35
 Dibromofluoromethane
 Concen: 65.892 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008622.D
 Acq: 12 Feb 2019 14:58

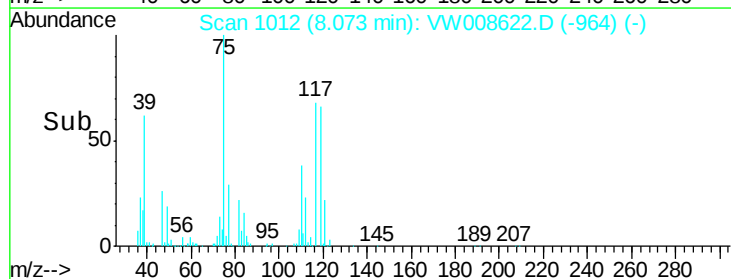
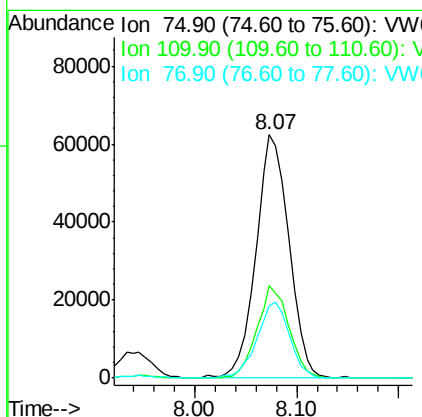
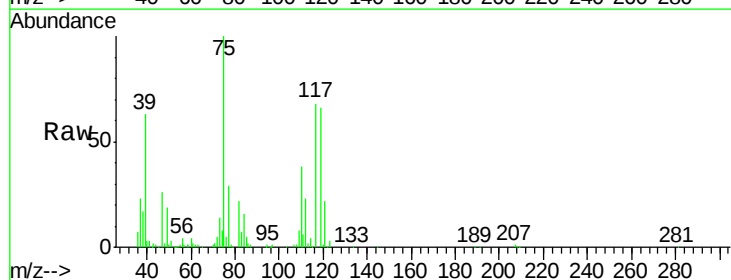
Instrument :
 MSVOA_W
 ClientSampleId :
 K1457-11MS

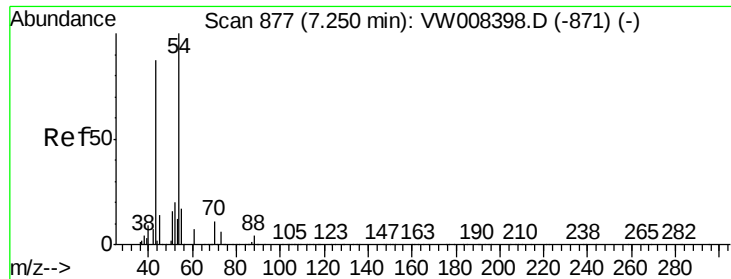
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.0	121.4
192	21.8	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 39.911 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW008622.D
 Acq: 12 Feb 2019 14:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	17.3	52.0
77	31.1	24.7	37.1

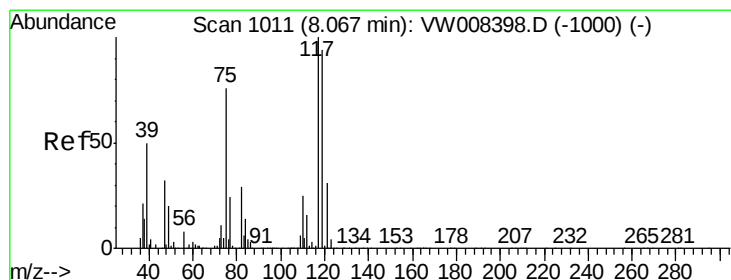
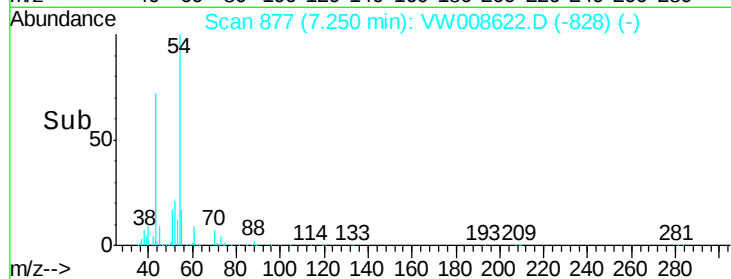
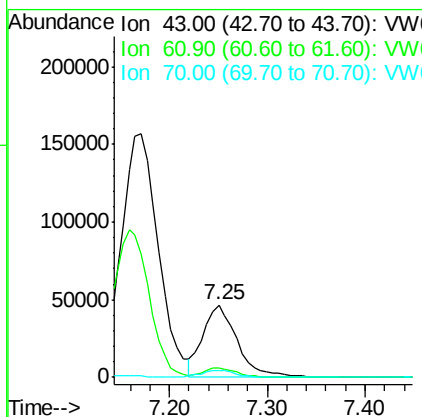
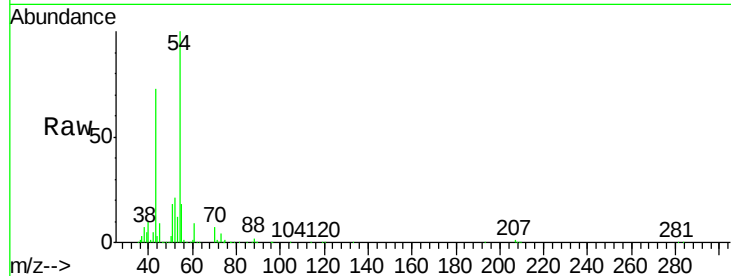




#37
Ethyl Acetate
Concen: 71.879 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

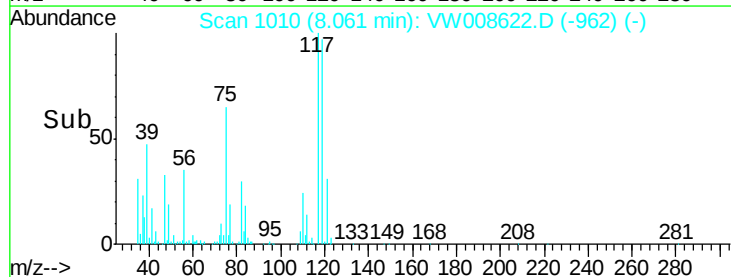
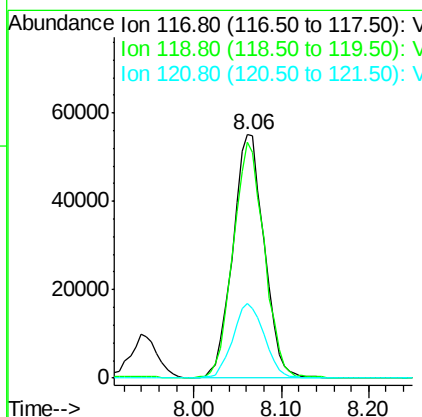
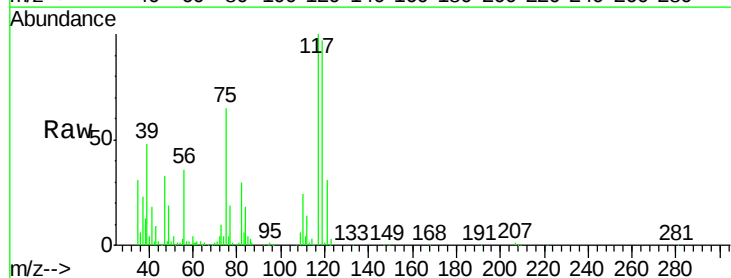
Instrument :
MSVOA_W
ClientSampleId :
K1457-11MS

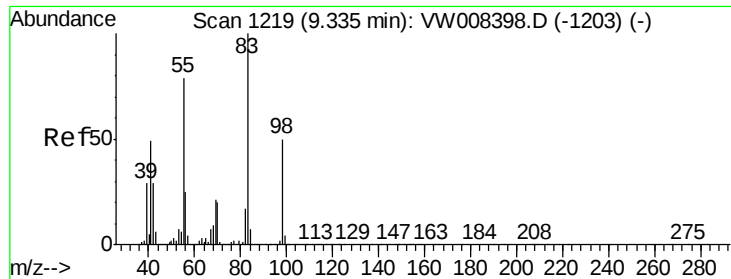
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.1	15.1
70	10.3	7.8	11.6



#38
Carbon Tetrachloride
Concen: 39.073 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.0	112.4
121	30.6	24.9	37.3

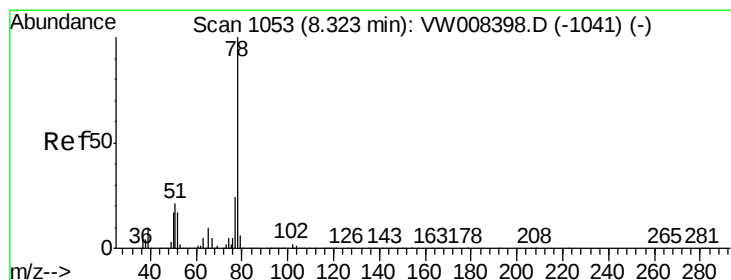
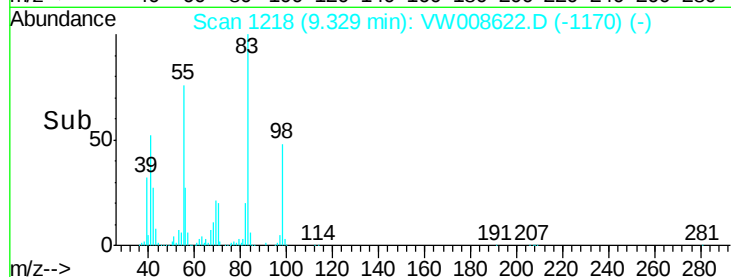
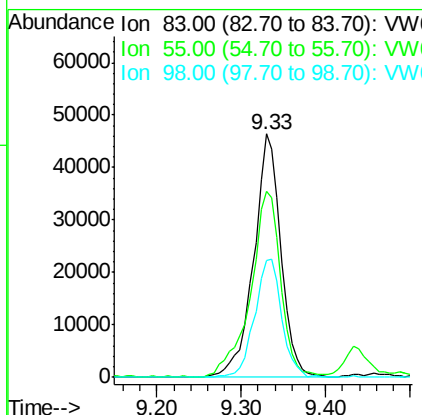
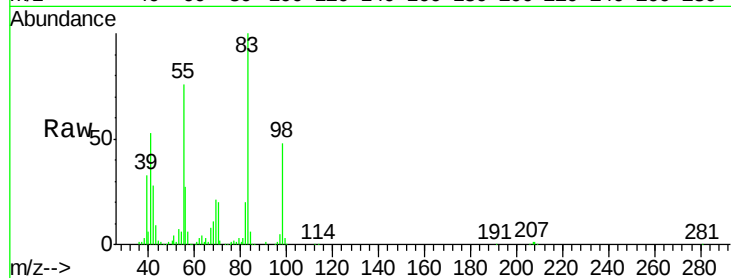




#39
Methvlcvclohexane
Concen: 22.223 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

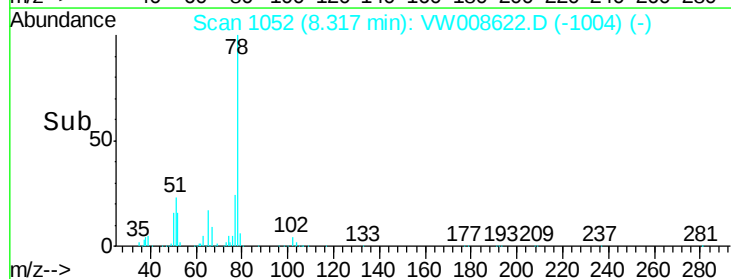
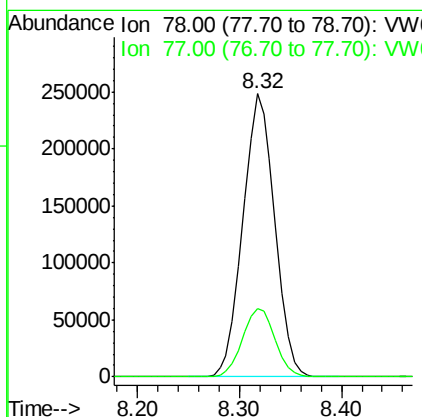
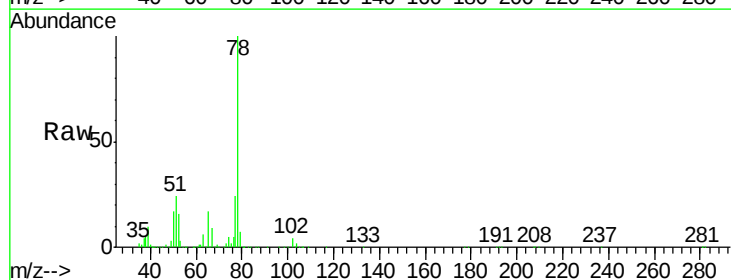
Instrument :
MSVOA_W
ClientSampled :
K1457-11MS

Tot Ion: 83 Resp: 102340
Ion Ratio Lower Upper
83 100
55 75.8 63.3 94.9
98 48.1 39.7 59.5



#40
Benzene
Concen: 55.408 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

Tgt Ion: 78 Resp: 538972
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6

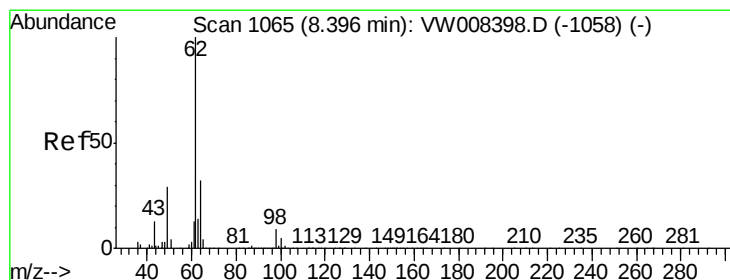
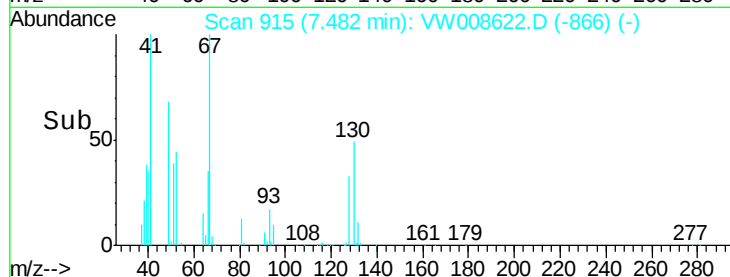
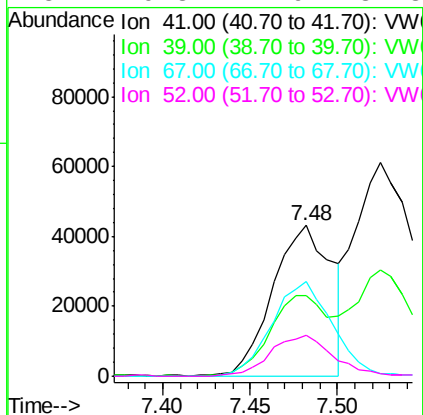
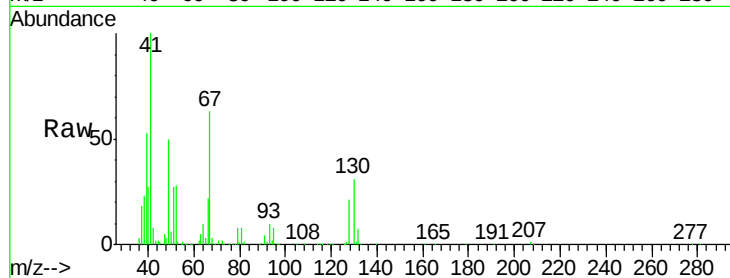




#41
Methacrylonitrile
Concen: 110.143 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

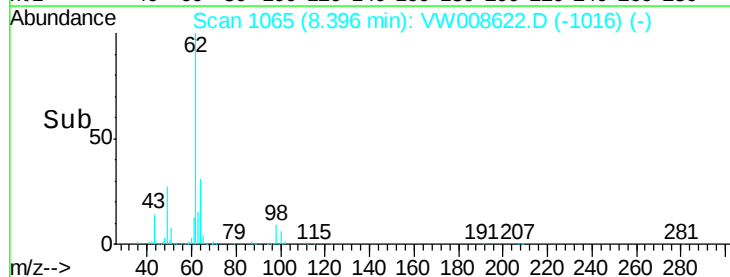
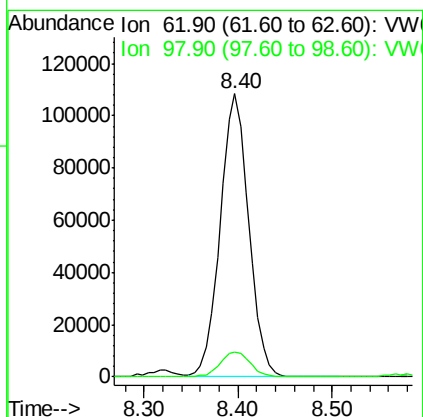
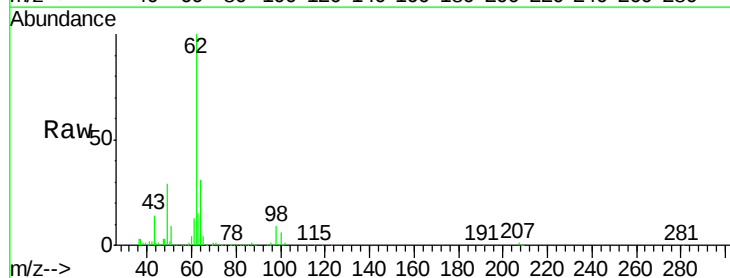
Instrument :
MSVOA_W
ClientSampled :
K1457-11MS

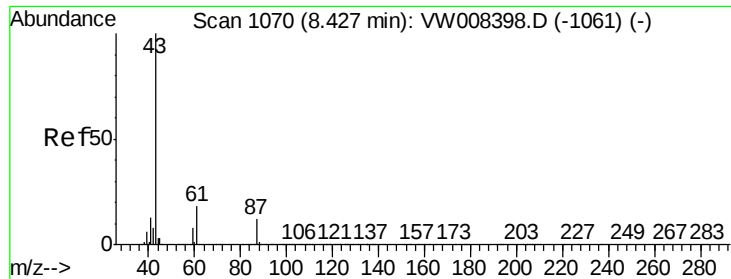
Tot Ion:	41	Resp:	101148
Ion	Ratio	Lower	Upper
41	100		
39	49.2	43.4	65.0
67	65.0	54.2	81.2
52	29.3	22.9	34.3



#42
1,2-Dichloroethane
Concen: 80.580 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

Tgt Ion:	62	Resp:	227151
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.6





#43

Isopropyl Acetate

Concen: 69.355 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

K1457-11MS

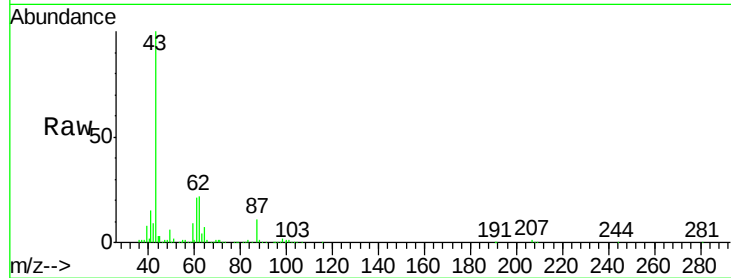
Tot Ion: 43 Resp: 223471

Ion Ratio Lower Upper

43 100

61 29.1 22.0 33.0

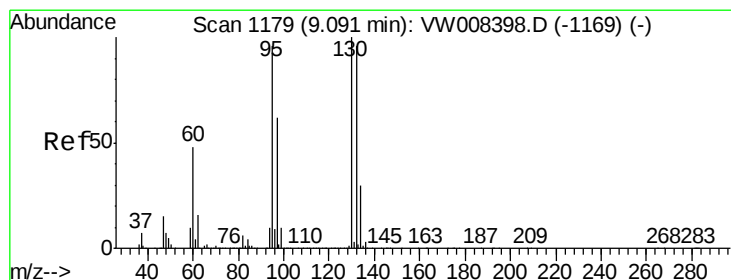
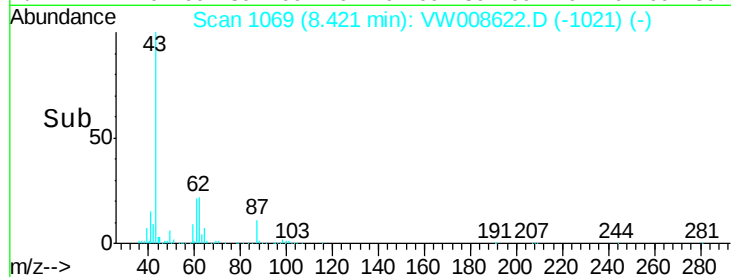
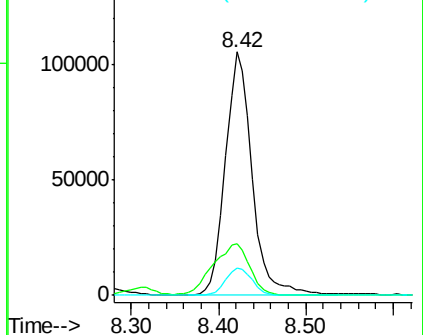
87 11.0 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 43.279 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW008622.D

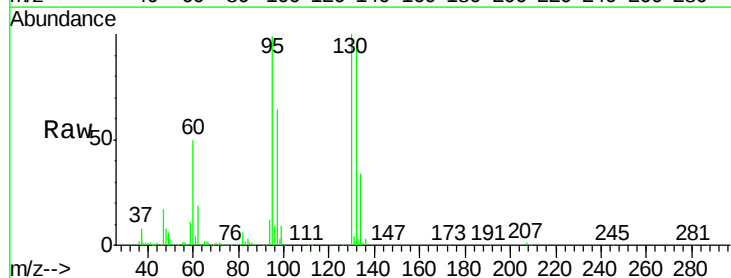
Acq: 12 Feb 2019 14:58

Tgt Ion: 130 Resp: 114482

Ion Ratio Lower Upper

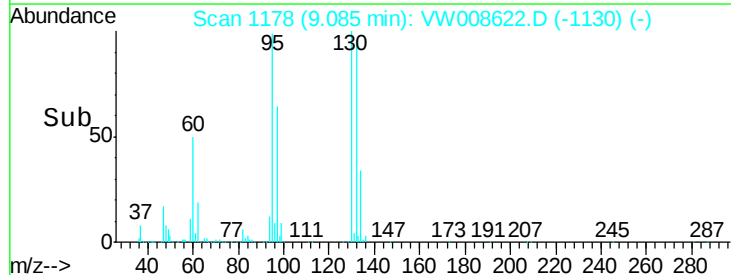
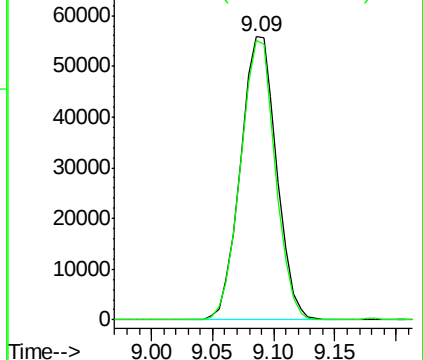
130 100

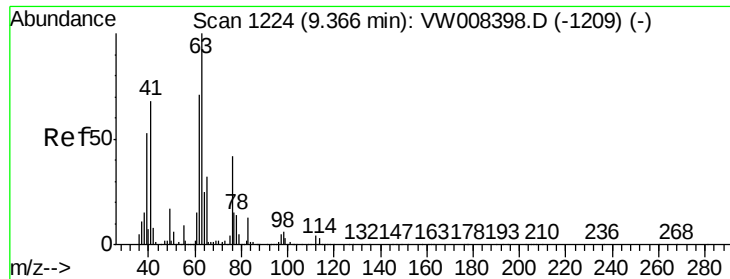
95 98.6 0.0 191.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

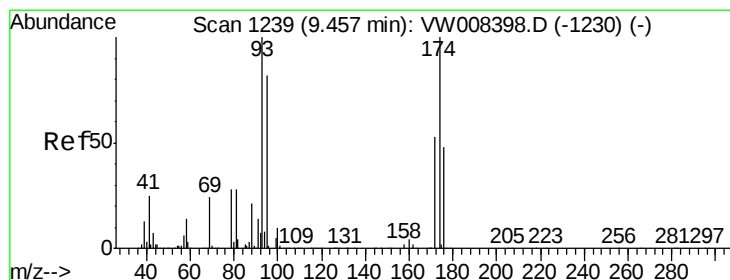
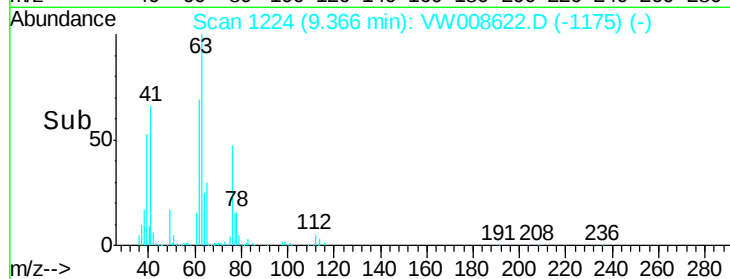
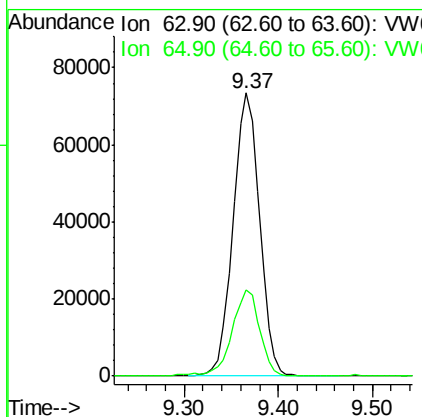
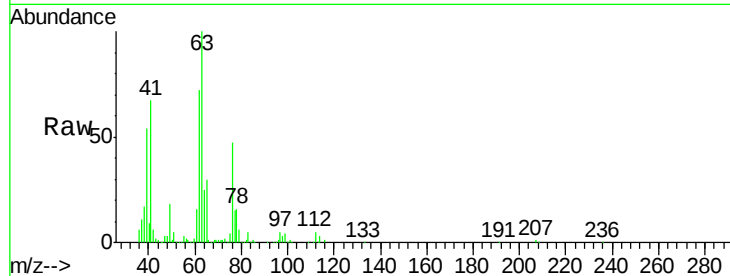




#45
 1,2-Dichloropropane
 Concen: 59.320 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008622.D
 Acq: 12 Feb 2019 14:58

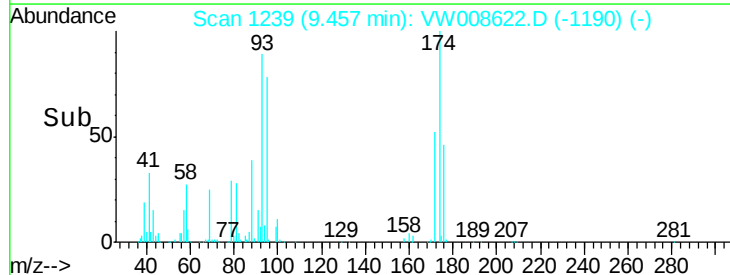
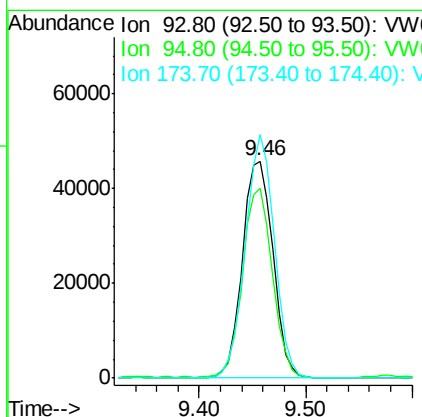
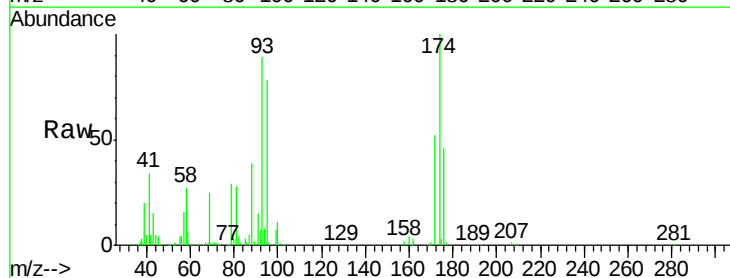
Instrument :
 MSVOA_W
 ClientSampled :
 K1457-11MS

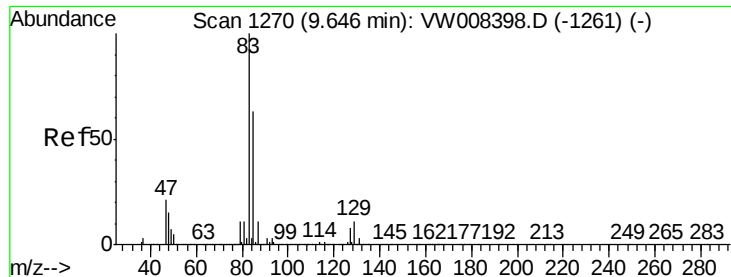
Tot Ion: 63 Resp: 143876
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.2 37.8



#46
 Dibromomethane
 Concen: 74.243 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008622.D
 Acq: 12 Feb 2019 14:58

Tgt Ion: 93 Resp: 92616
 Ion Ratio Lower Upper
 93 100
 95 84.8 65.9 98.9
 174 107.0 81.0 121.6





#47

Bromodichloromethane

Concen: 59.001 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampled :

K1457-11MS

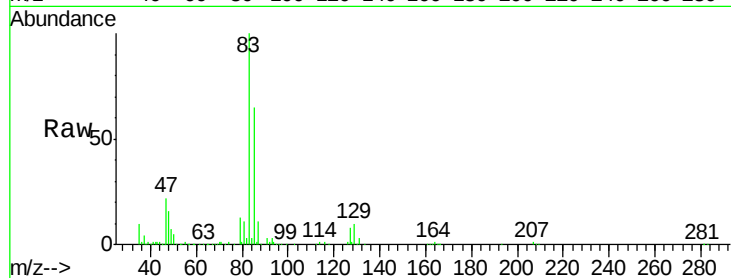
Tot Ion: 83 Resp: 194679

Ion Ratio Lower Upper

83 100

85 65.4 50.8 76.2

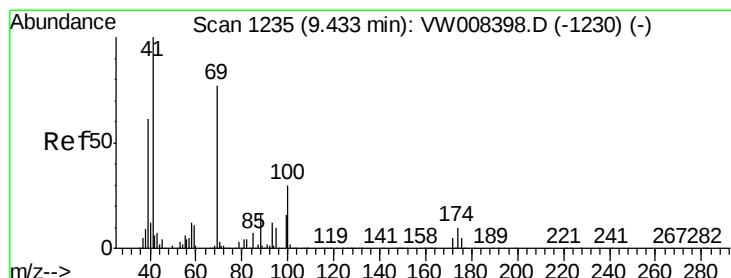
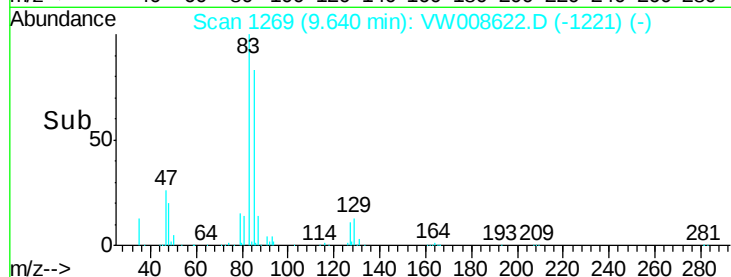
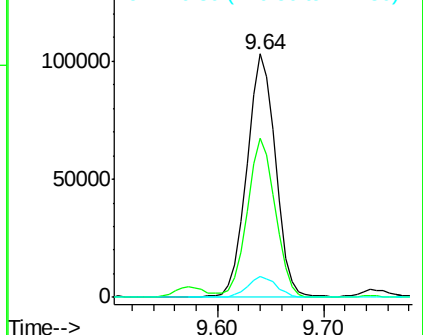
127 8.5 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 106.203 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

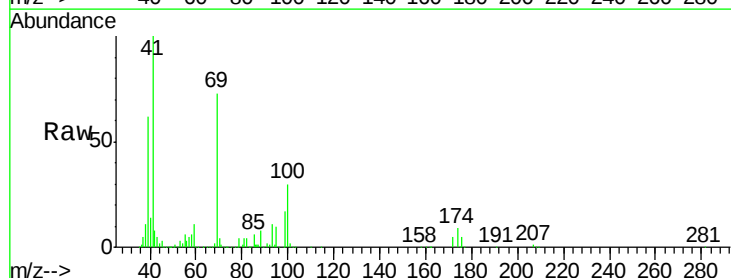
Tgt Ion: 41 Resp: 167323

Ion Ratio Lower Upper

41 100

69 76.1 64.8 97.2

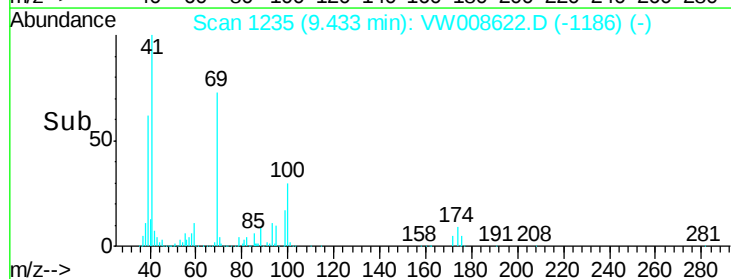
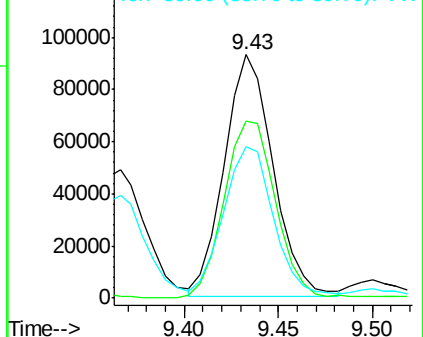
39 64.0 49.1 73.7

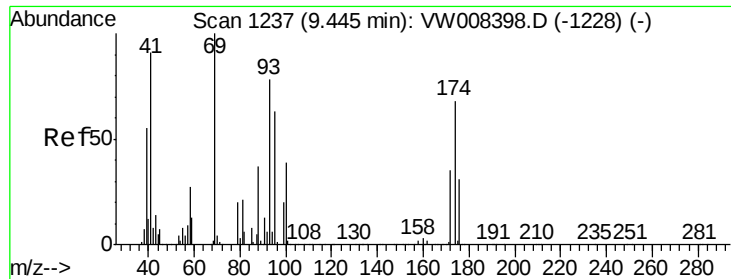


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

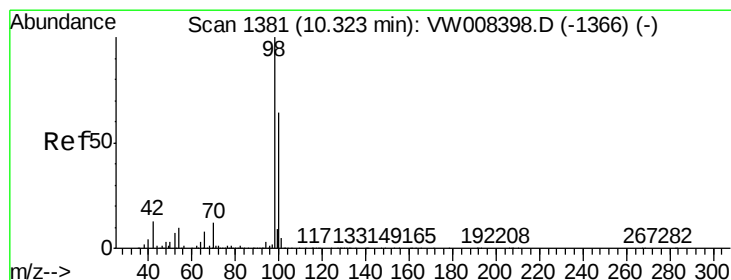
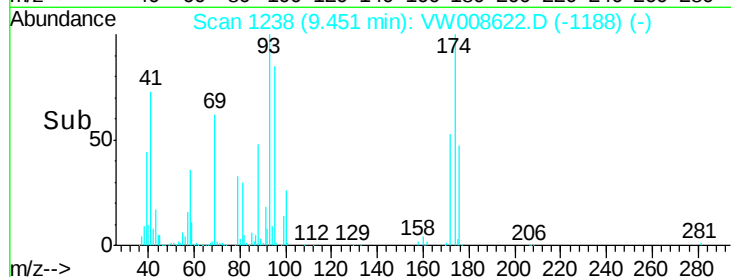
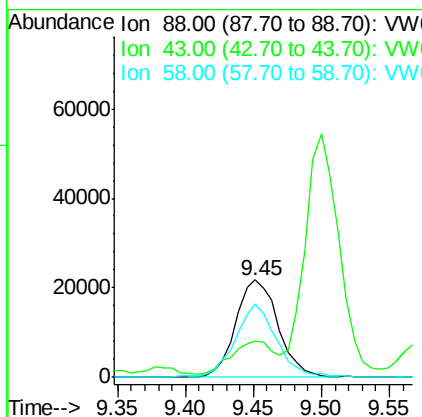
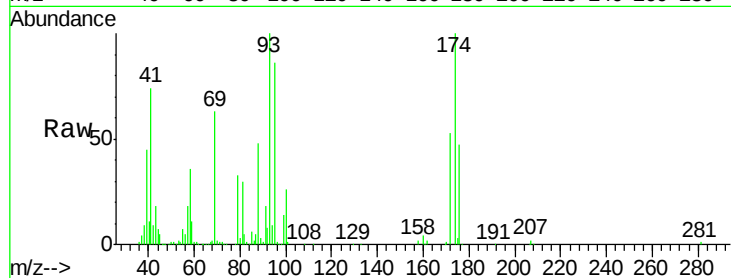




#49
1,4-Dioxane
Concen: 2254.700 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

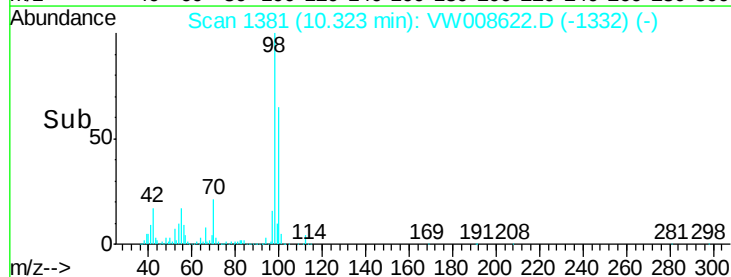
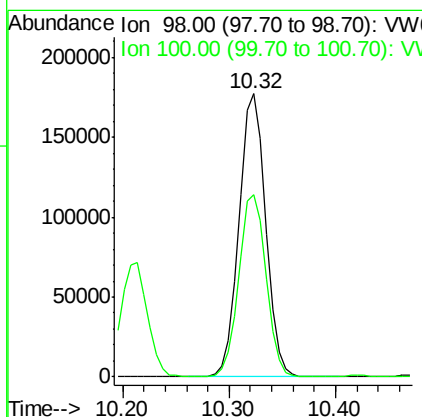
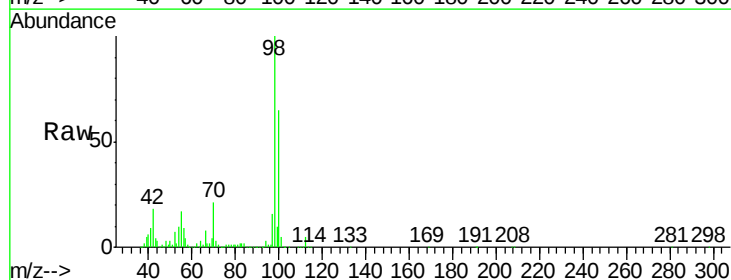
Instrument :
MSVOA_W
ClientSampled :
K1457-11MS

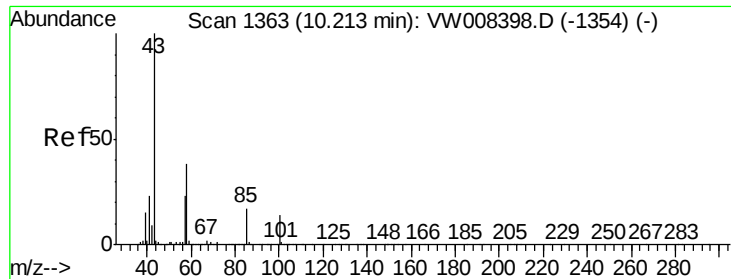
Tot Ion: 88 Resp: 47543
Ion Ratio Lower Upper
88 100
43 33.5 29.0 43.4
58 74.0 56.4 84.6



#50
Toluene-d8
Concen: 35.937 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

Tgt Ion: 98 Resp: 312713
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 526.013 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampled :

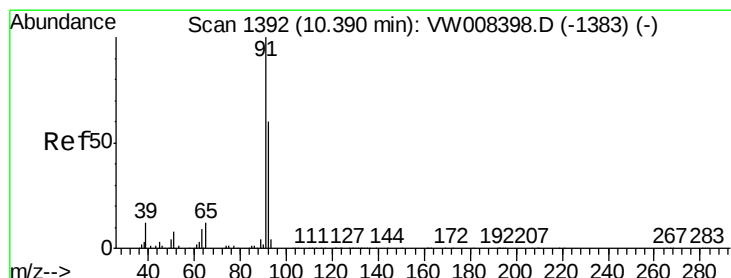
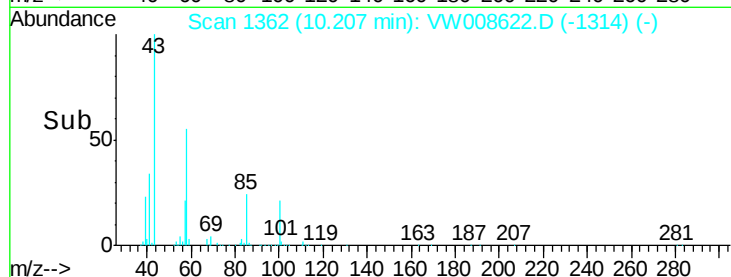
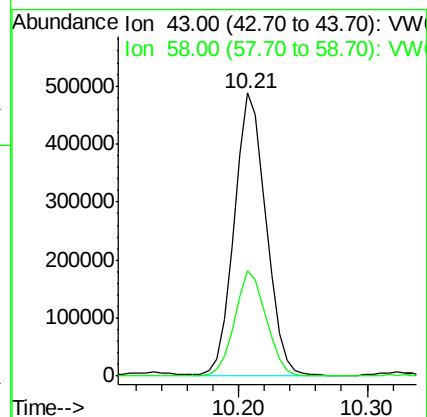
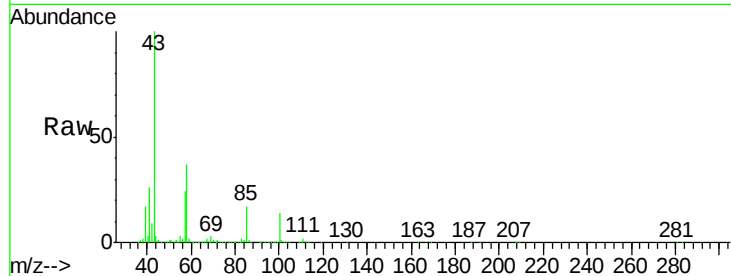
K1457-11MS

Tot Ion: 43 Resp: 837324

Ion Ratio Lower Upper

43 100

58 37.0 29.7 44.5



#52

Toluene

Concen: 36.278 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008622.D

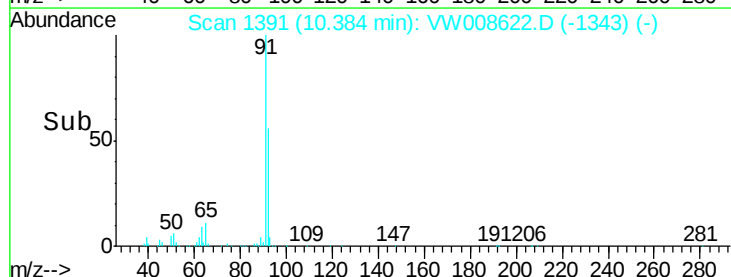
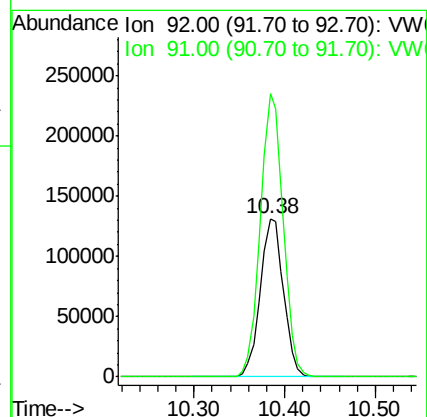
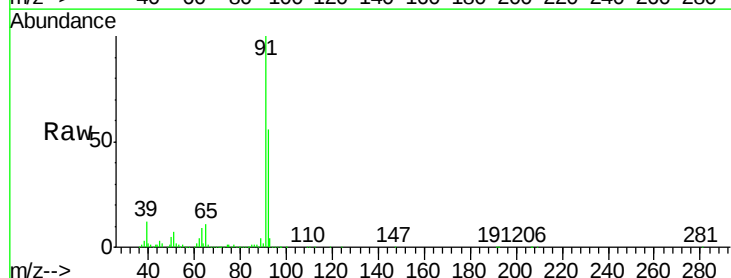
Acq: 12 Feb 2019 14:58

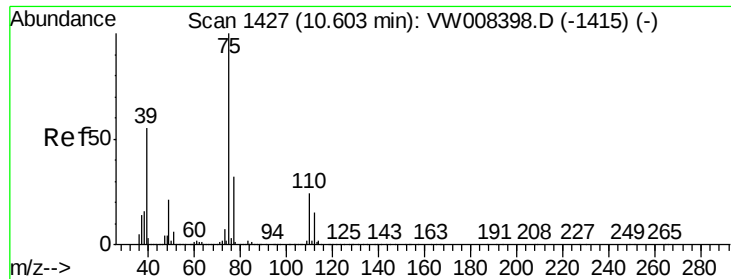
Tgt Ion: 92 Resp: 232946

Ion Ratio Lower Upper

92 100

91 175.2 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 56.048 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

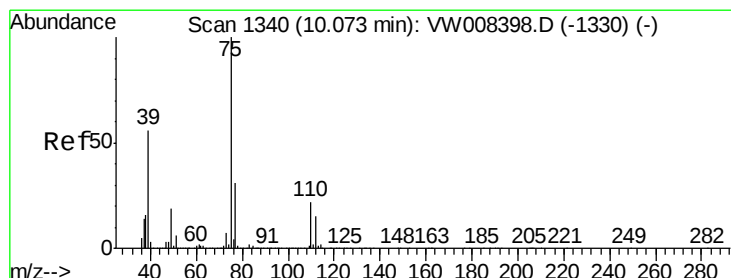
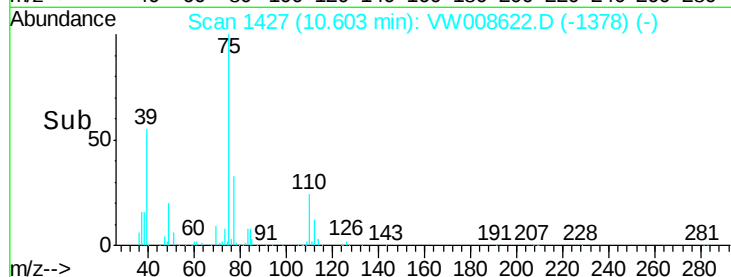
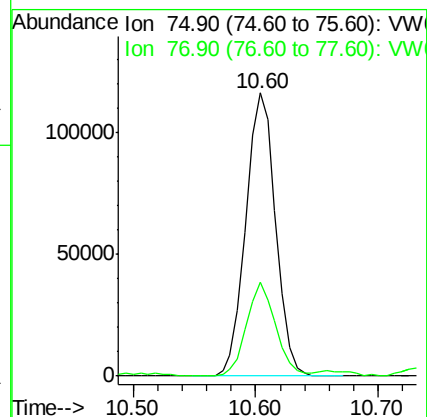
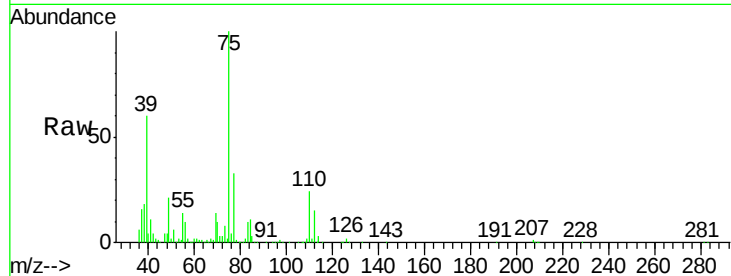
K1457-11MS

Tot Ion: 75 Resp: 196787

Ion Ratio Lower Upper

75 100

77 33.1 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 54.767 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

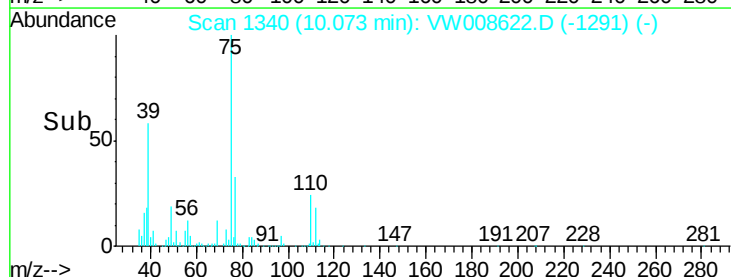
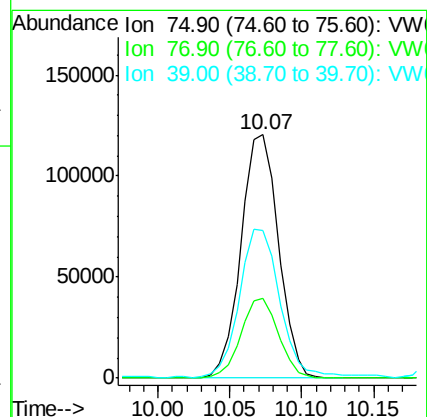
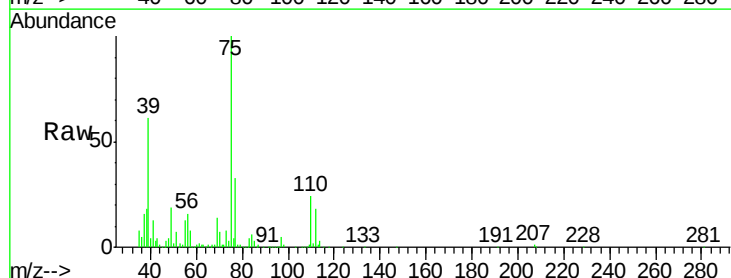
Tgt Ion: 75 Resp: 218218

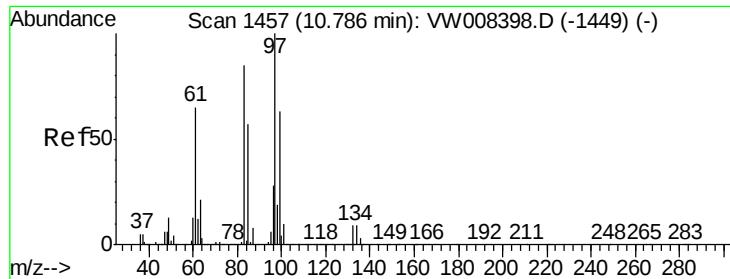
Ion Ratio Lower Upper

75 100

77 32.7 25.0 37.4

39 60.2 44.9 67.3





#55

1,1,2-Trichloroethane

Concen: 109.837 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampled :

K1457-11MS

Tot Ion: 97 Resp: 190053

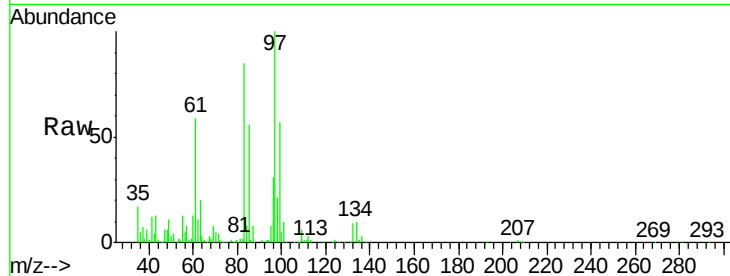
Ion Ratio Lower Upper

97 100

83 85.5 68.4 102.6

85 56.0 45.3 67.9

99 57.0 50.6 76.0



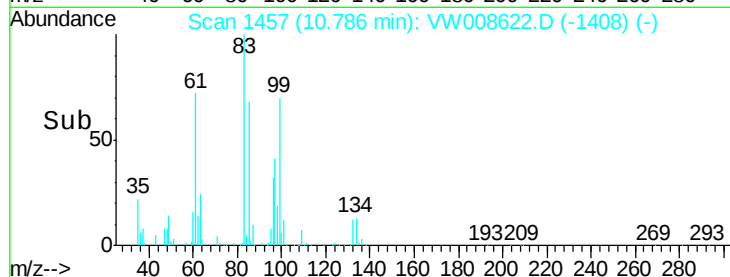
Abundance Ion 96.90 (96.60 to 97.60): VW

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

Time-->



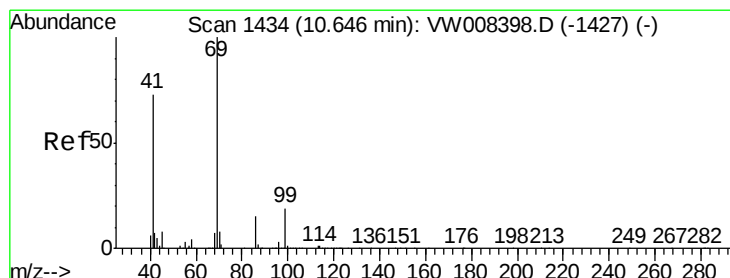
Abundance Ion 96.90 (96.60 to 97.60): VW

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

Time-->



#56

Ethyl methacrylate

Concen: 118.141 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

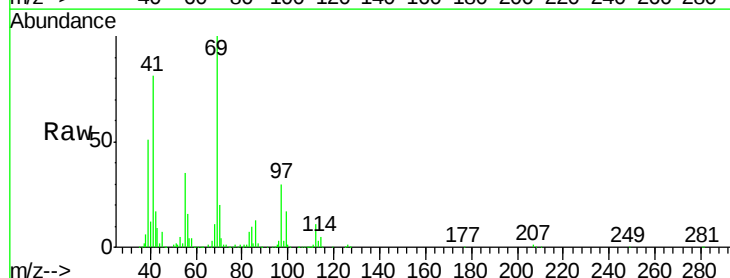
Tgt Ion: 69 Resp: 286439

Ion Ratio Lower Upper

69 100

41 89.4 58.7 88.1#

39 40.2 32.6 48.8

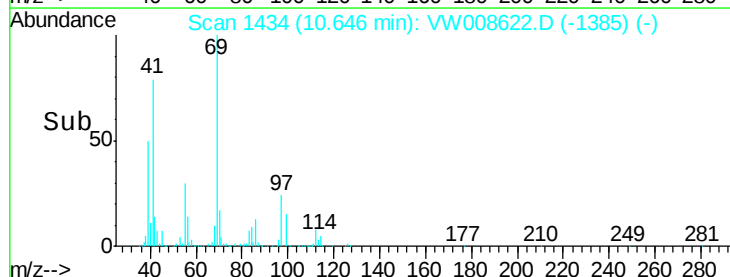


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Time-->



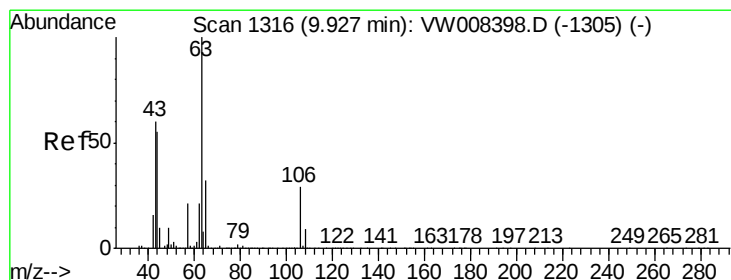
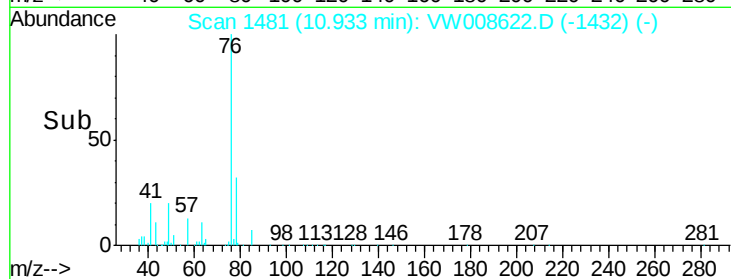
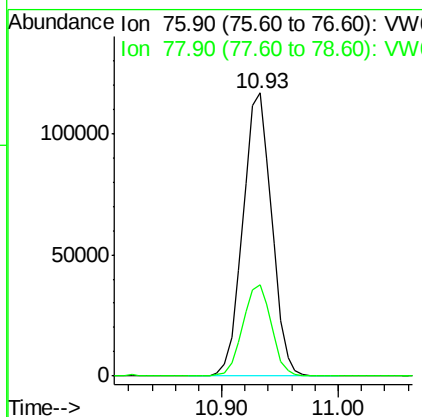
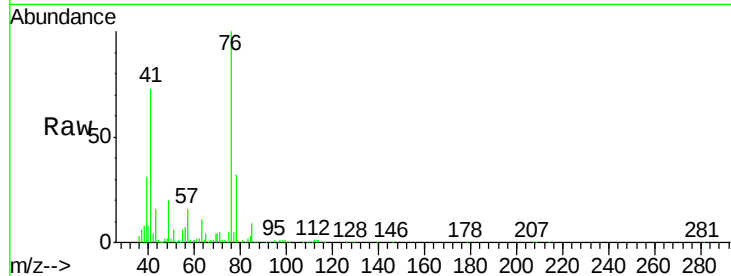
Time-->



#57
 1,3-Dichloropropane
 Concen: 65.116 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008622.D
 Acq: 12 Feb 2019 14:58

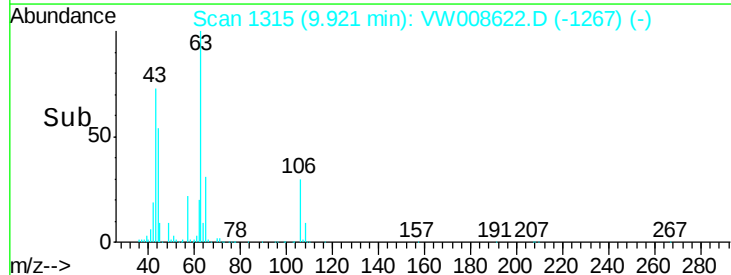
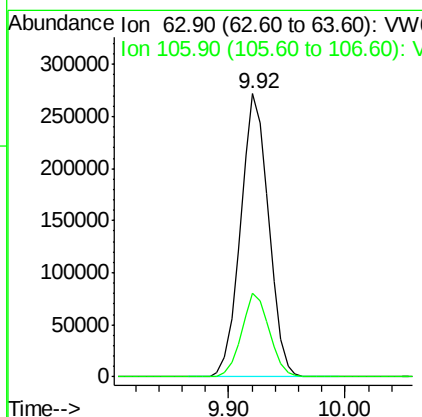
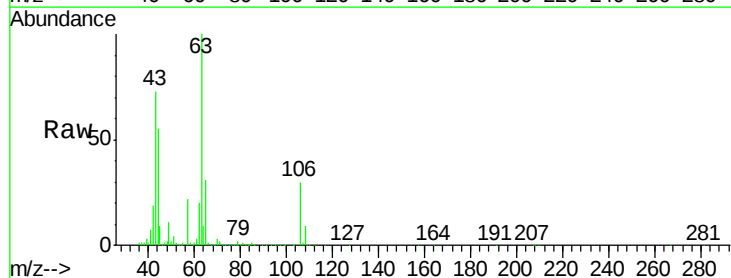
Instrument :
 MSVOA_W
 ClientSampleId :
 K1457-11MS

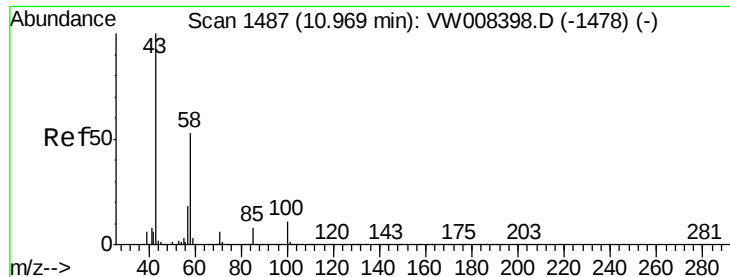
Tot Ion: 76 Resp: 201851
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 387.167 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008622.D
 Acq: 12 Feb 2019 14:58

Tgt Ion: 63 Resp: 456090
 Ion Ratio Lower Upper
 63 100
 106 29.2 22.4 33.6





#59

2-Hexanone

Concen: 541.466 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

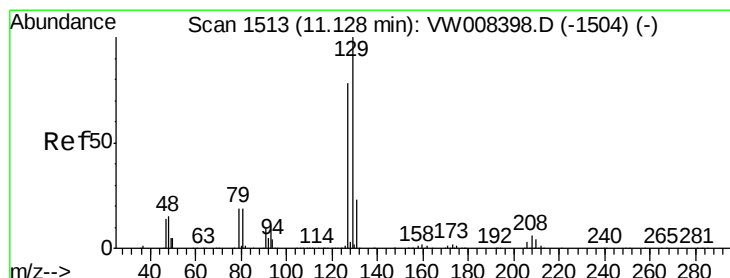
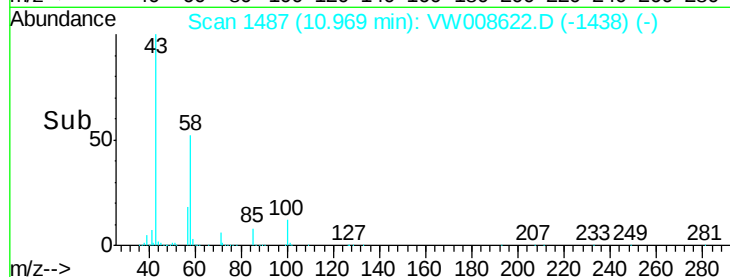
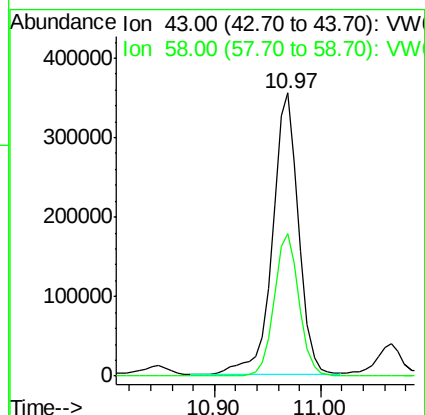
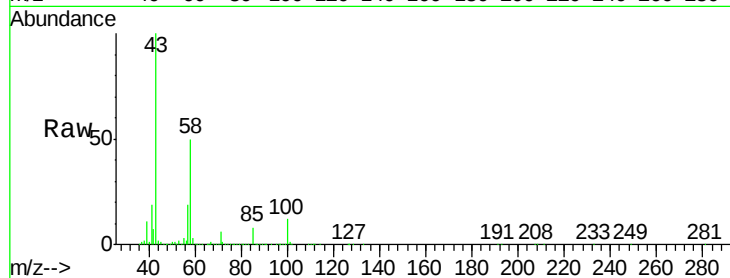
K1457-11MS

Tot Ion: 43 Resp: 608481

Ion Ratio Lower Upper

43 100

58 47.9 25.9 77.7



#60

Dibromochloromethane

Concen: 52.341 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW008622.D

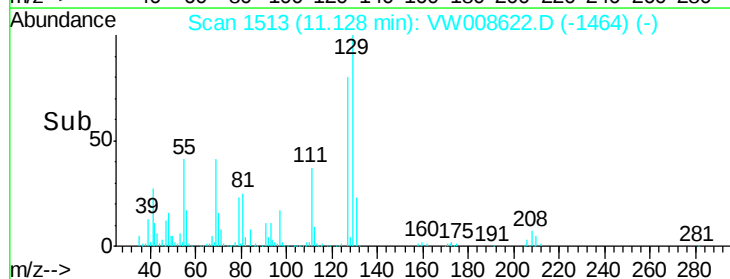
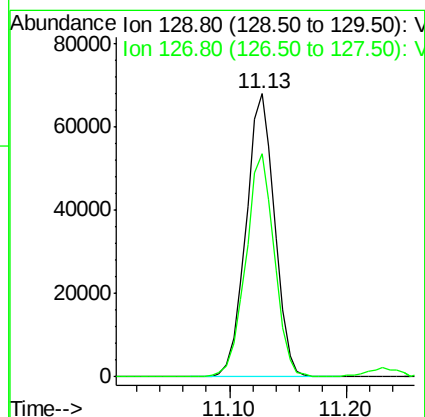
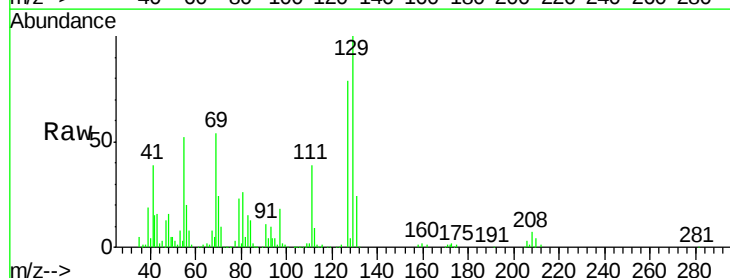
Acq: 12 Feb 2019 14:58

Tgt Ion: 129 Resp: 116386

Ion Ratio Lower Upper

129 100

127 78.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 63.558 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

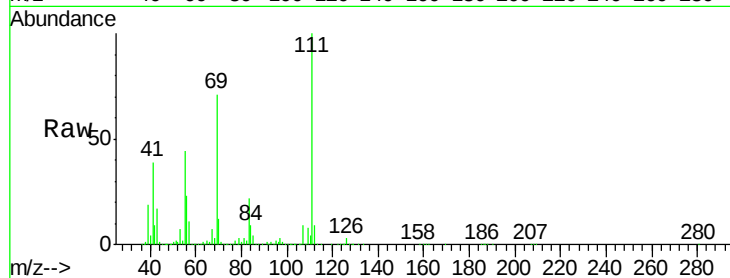
K1457-11MS

Tot Ion: 107 Resp: 109046

Ion Ratio Lower Upper

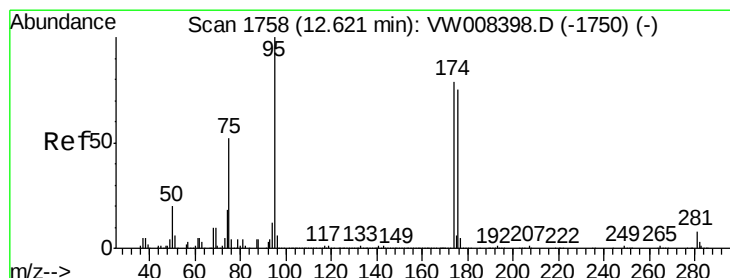
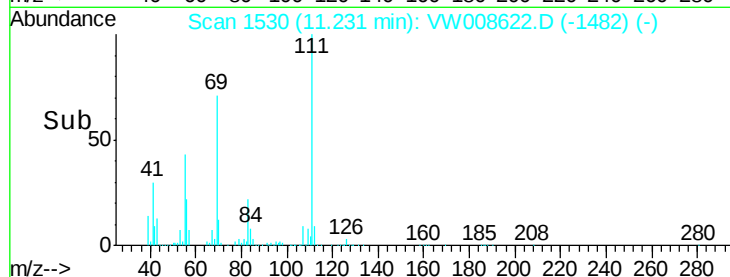
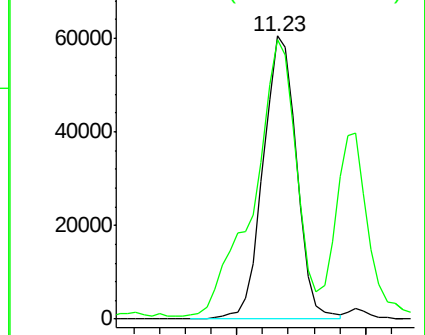
107 100

109 123.7 75.0 112.4#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 60.199 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

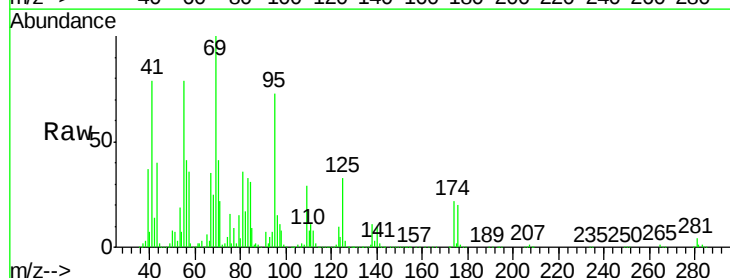
Tgt Ion: 95 Resp: 201353

Ion Ratio Lower Upper

95 100

174 33.2 0.0 157.6

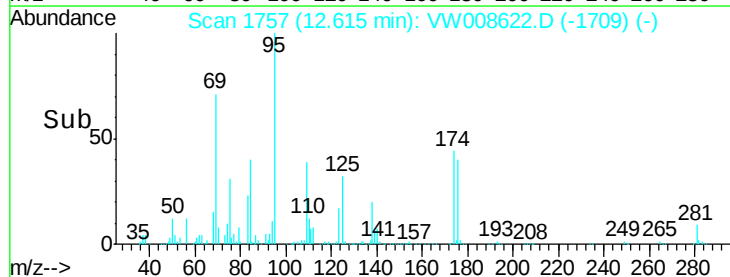
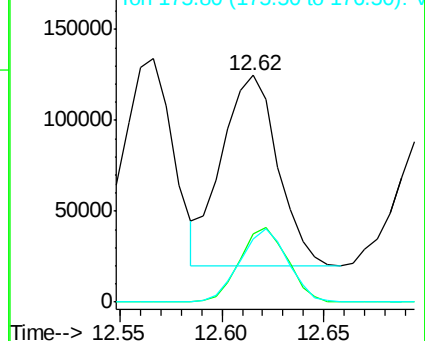
176 32.8 0.0 151.8

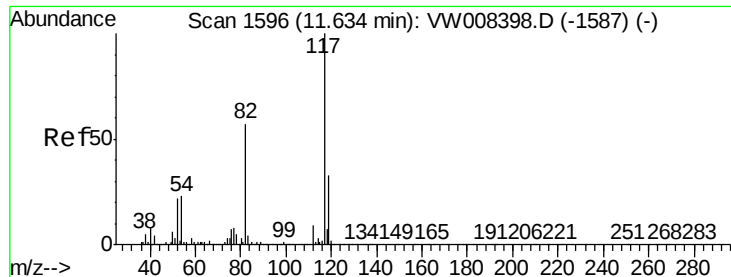


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

K1457-11MS

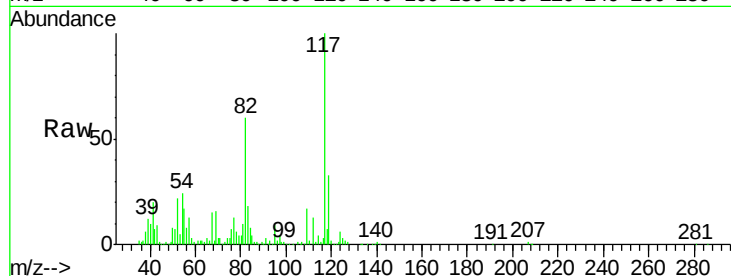
Tot Ion:117 Resp: 194172

Ion Ratio Lower Upper

117 100

82 56.8 45.4 68.0

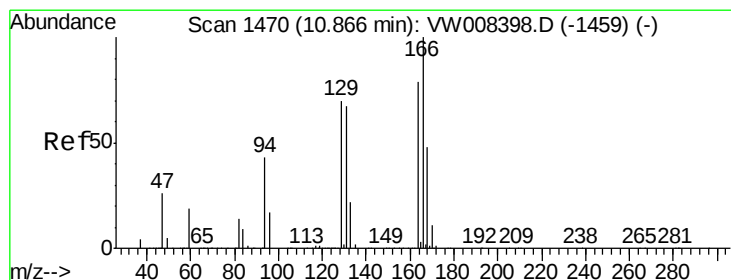
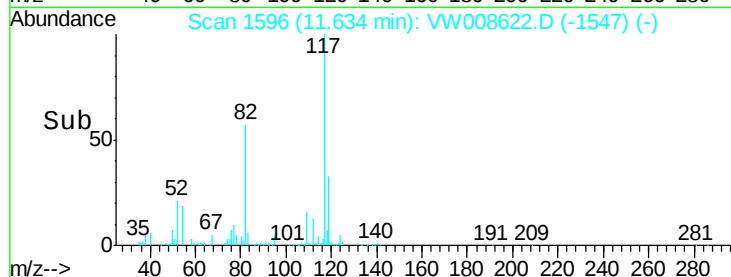
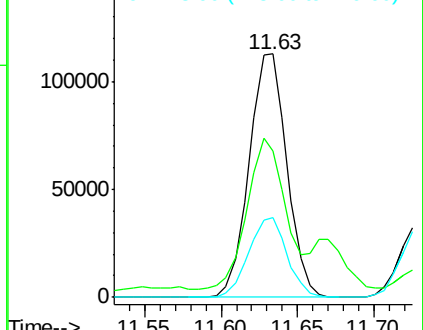
119 32.5 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 50.147 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Tgt Ion:164 Resp: 65926

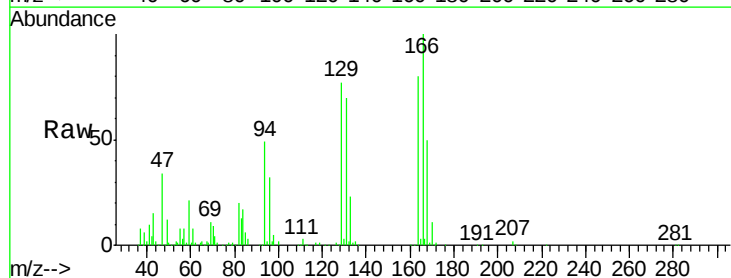
Ion Ratio Lower Upper

164 100

166 125.7 101.4 152.0

129 96.8 71.0 106.6

131 87.8 68.3 102.5

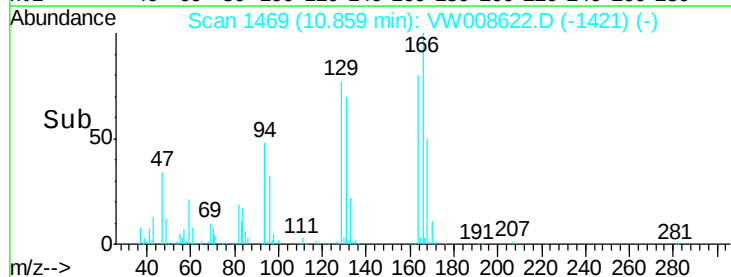
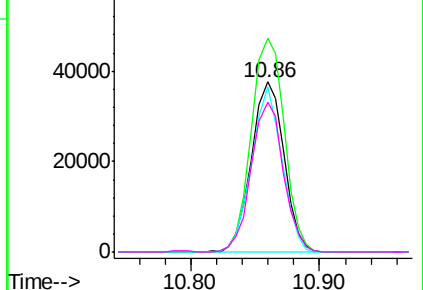


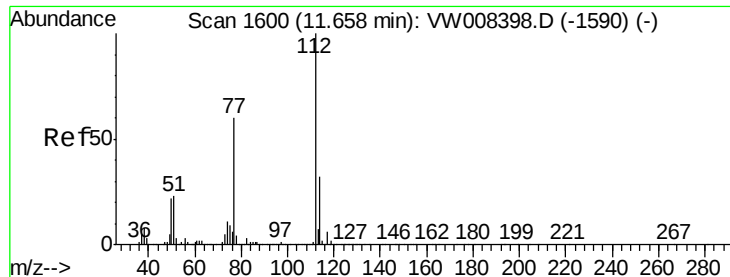
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 53.826 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

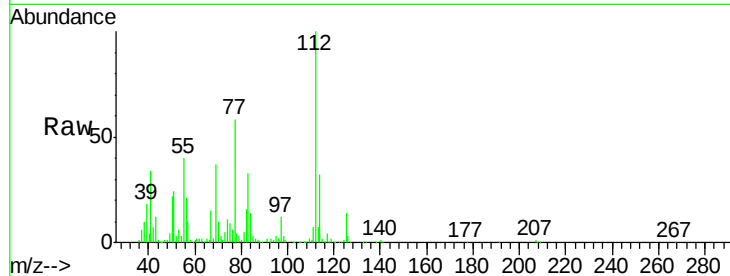
K1457-11MS

Tot Ion:112 Resp: 213353

Ion Ratio Lower Upper

112 100

114 32.1 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

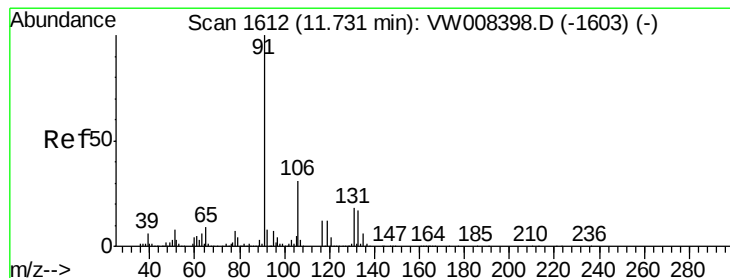
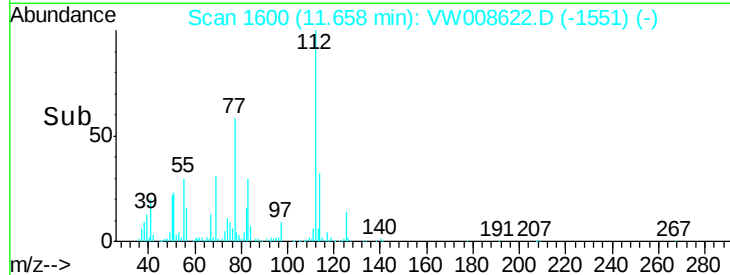
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 62.189 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

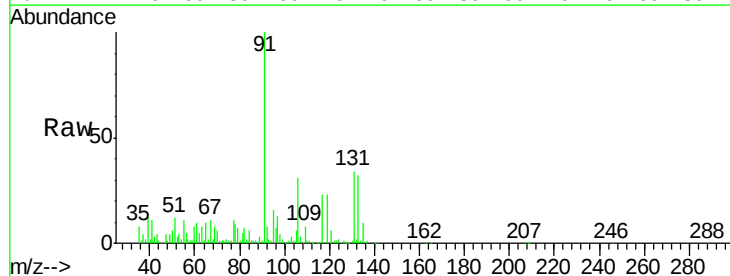
Tgt Ion:131 Resp: 88194

Ion Ratio Lower Upper

131 100

133 94.8 47.0 141.2

119 63.3 32.1 96.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

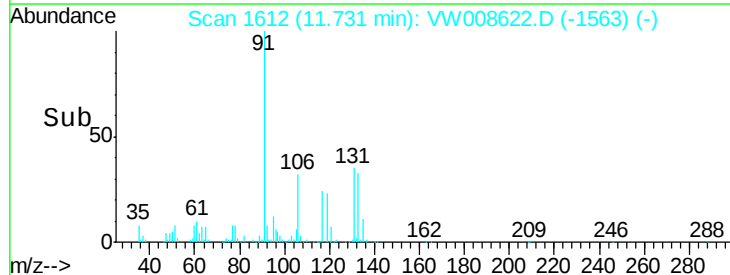
60000

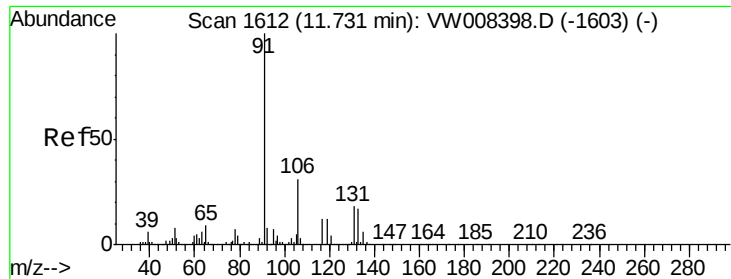
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 35.001 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampled :

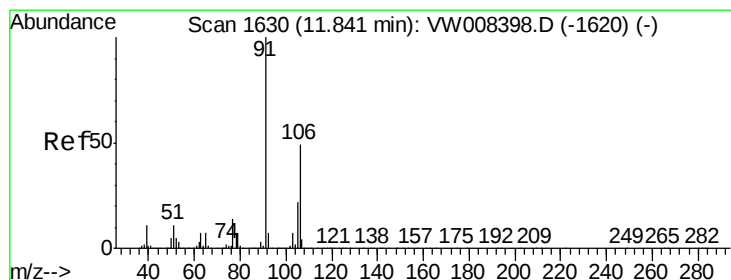
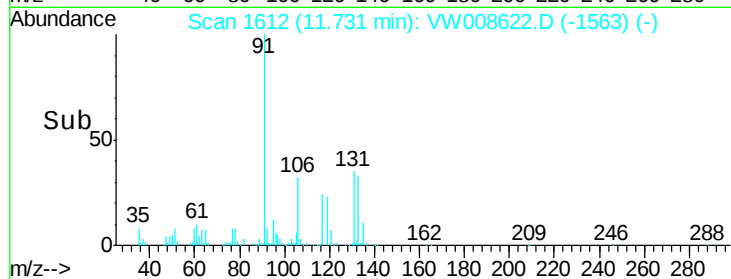
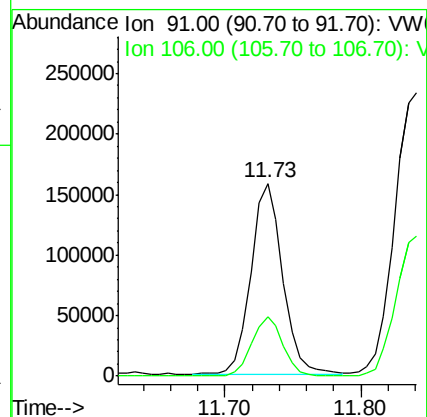
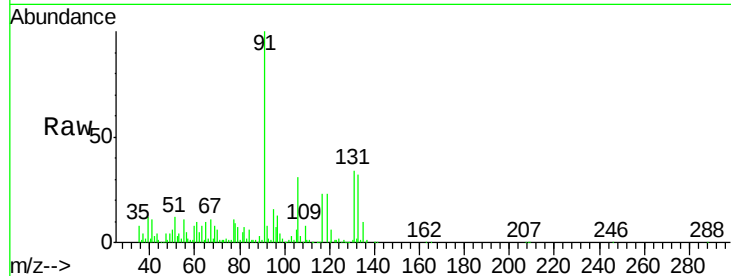
K1457-11MS

Tot Ion: 91 Resp: 255016

Ion Ratio Lower Upper

91 100

106 31.3 24.7 37.1



#68

m/p-Xylenes

Concen: 76.625 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW008622.D

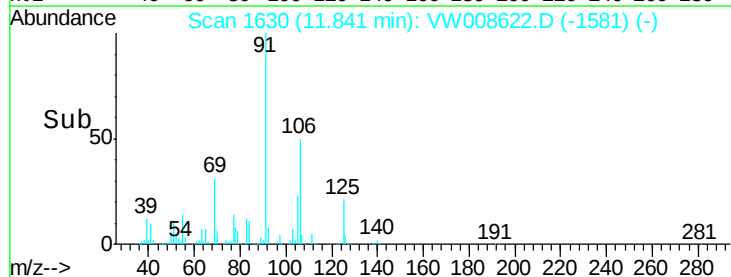
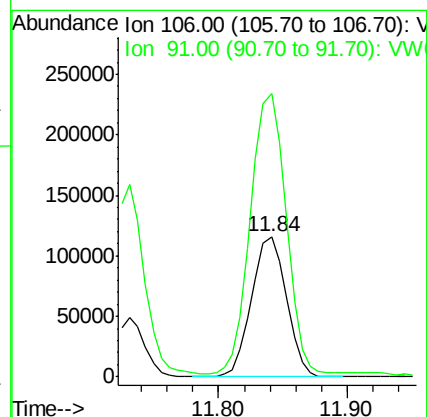
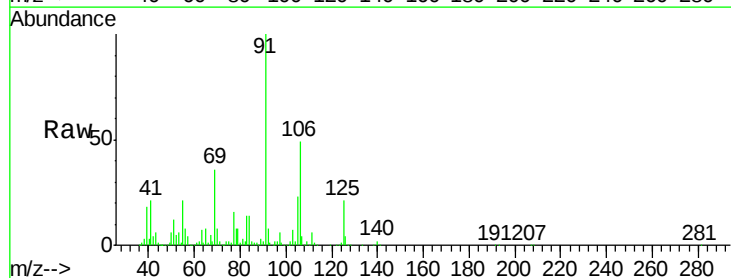
Acq: 12 Feb 2019 14:58

Tgt Ion: 106 Resp: 216615

Ion Ratio Lower Upper

106 100

91 205.0 162.9 244.3

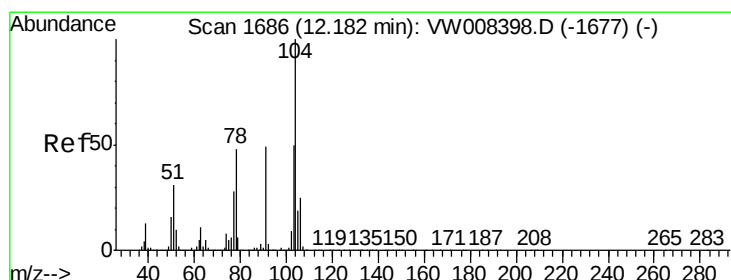
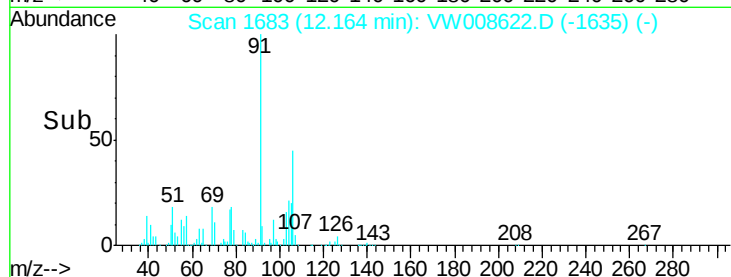
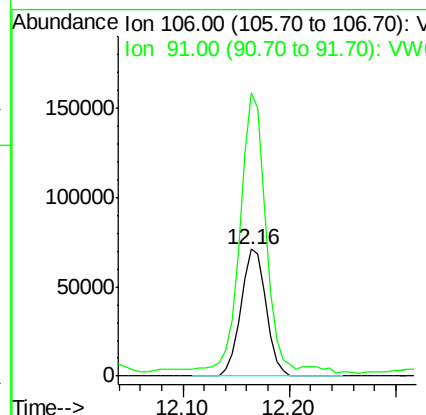
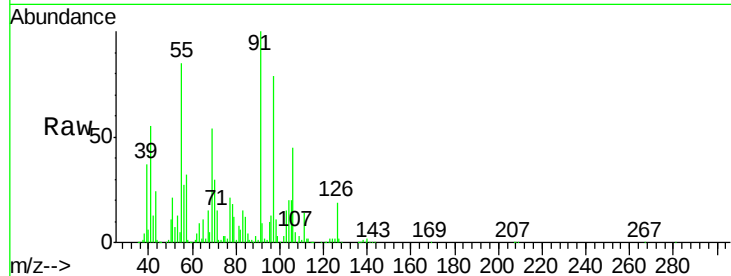




#69
o-Xylene
Concen: 44.277 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

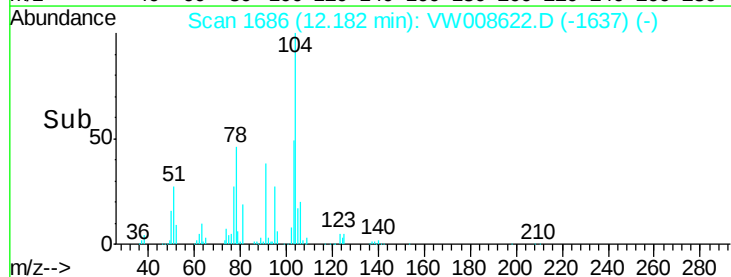
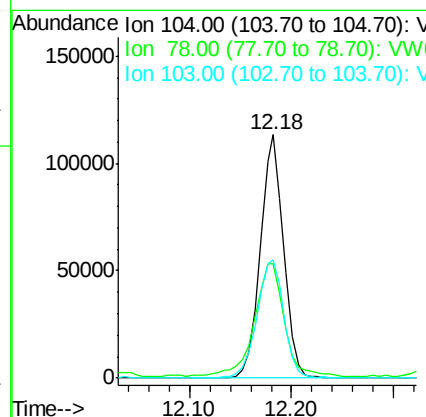
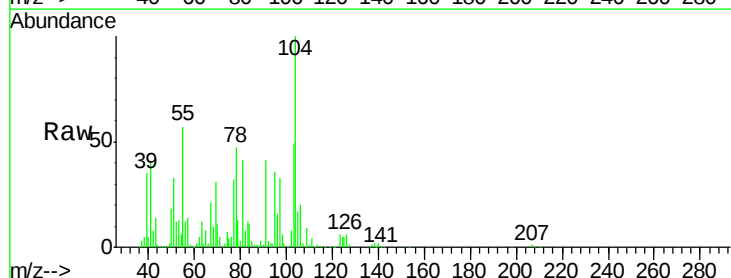
Instrument :
MSVOA_W
ClientSampleId :
K1457-11MS

Tot Ion:106 Resp: 118930
Ion Ratio Lower Upper
106 100
91 212.4 107.5 322.4



#70
Styrene
Concen: 40.849 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

Tgt Ion:104 Resp: 181235
Ion Ratio Lower Upper
104 100
78 60.7 42.4 63.6
103 55.8 43.4 65.0

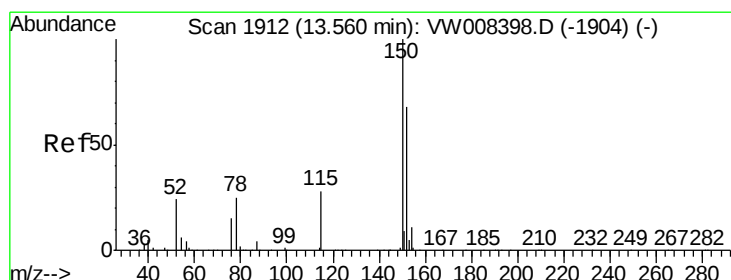
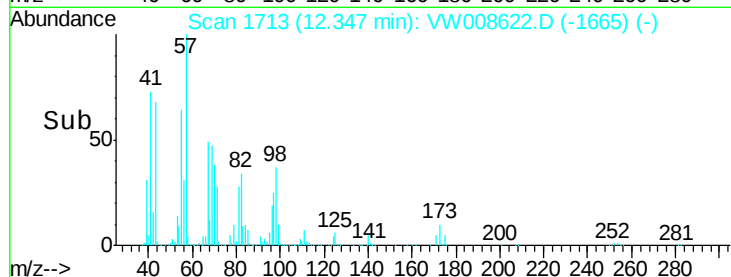
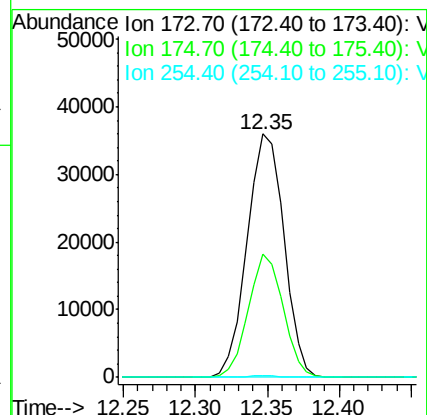
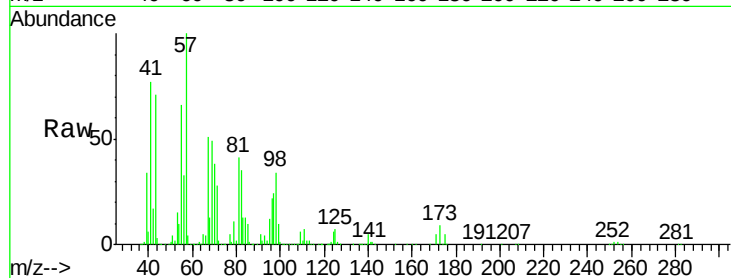




#71
Bromoform
Concen: 79.844 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

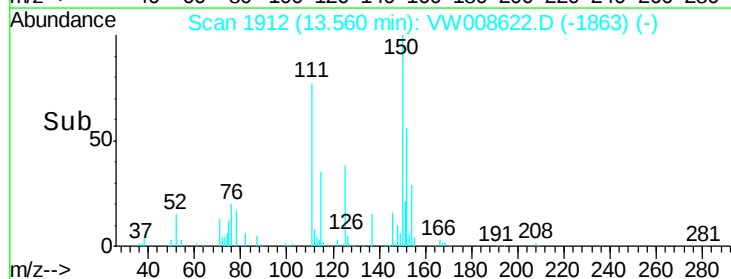
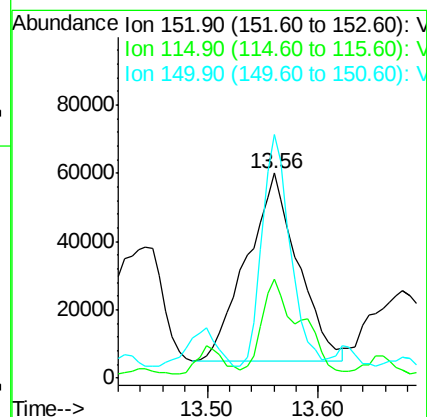
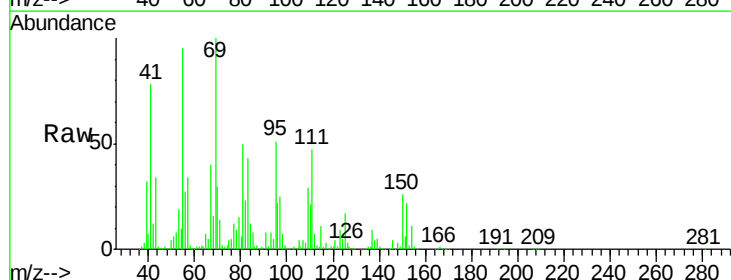
Instrument :
MSVOA_W
ClientSampleId :
K1457-11MS

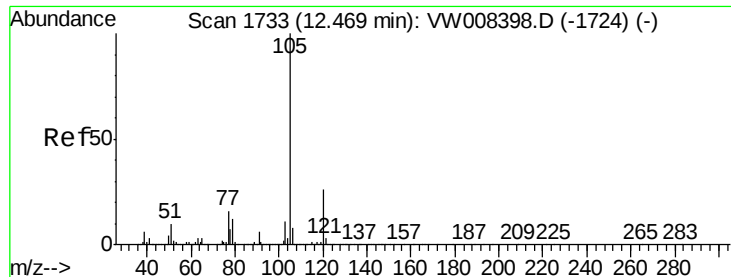
Tot Ion:173 Resp: 63708
Ion Ratio Lower Upper
173 100
175 47.9 24.4 73.4
254 0.5 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

Tgt Ion:152 Resp: 177279
Ion Ratio Lower Upper
152 100
115 38.0 29.9 89.7
150 70.5 0.0 351.4





#73

Isopropylbenzene

Concen: 15.928 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

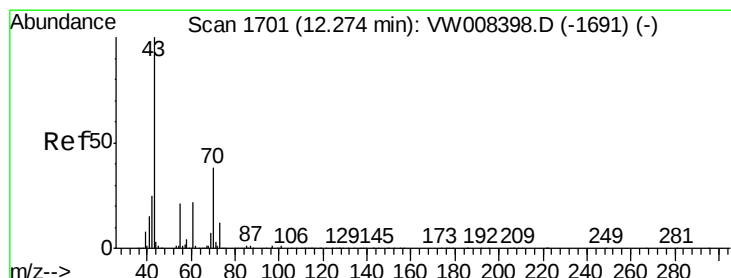
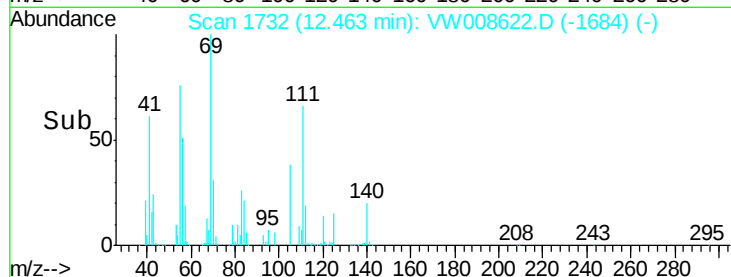
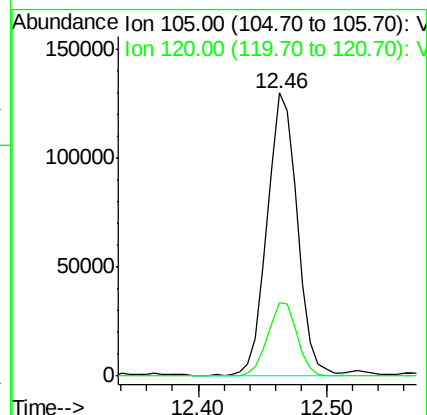
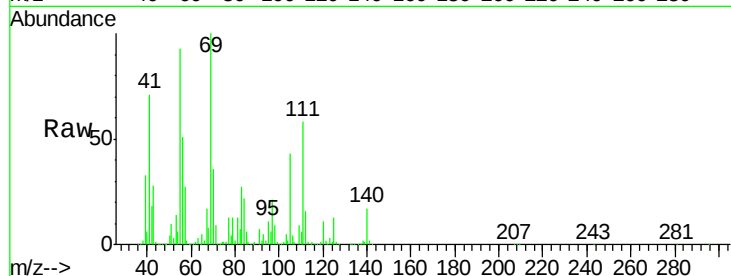
K1457-11MS

Tot Ion:105 Resp: 210507

Ion Ratio Lower Upper

105 100

120 25.5 13.3 39.8



#74

N-ethyl acetate

Concen: 72.295 ug/l

RT: 12.23 min Scan# 1694

Delta R.T. -0.04 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Tgt Ion: 43 Resp: 246150

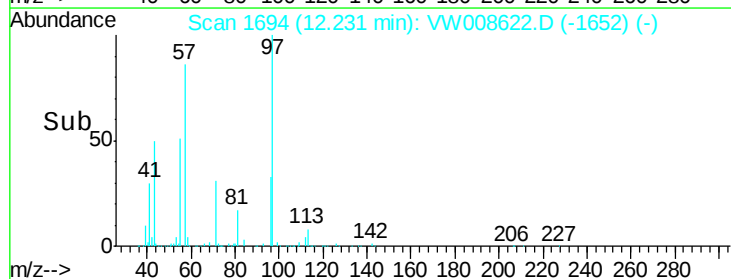
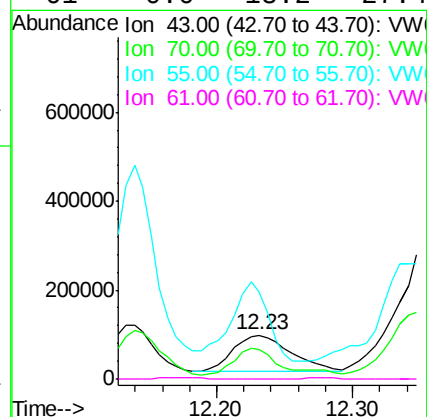
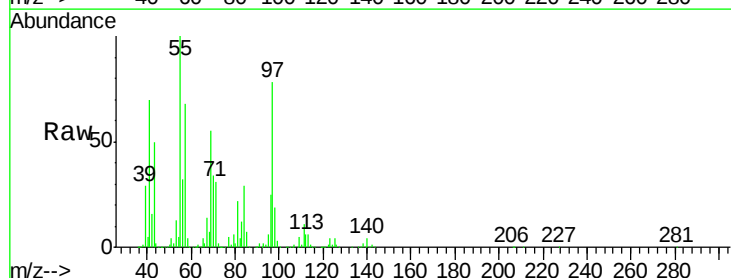
Ion Ratio Lower Upper

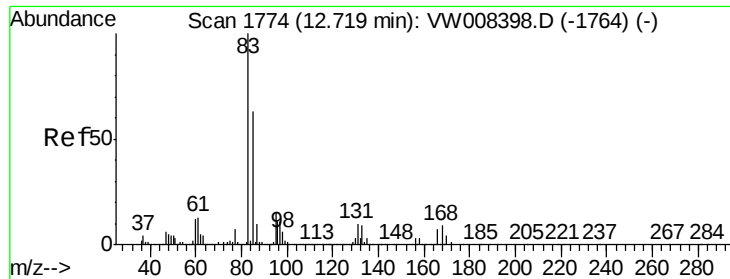
43 100

70 48.9 31.0 46.6#

55 136.4 17.4 26.2#

61 0.0 18.2 27.4#





#75

1,1,2,2-Tetrachloroethane

Concen: 144.656 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampled :

K1457-11MS

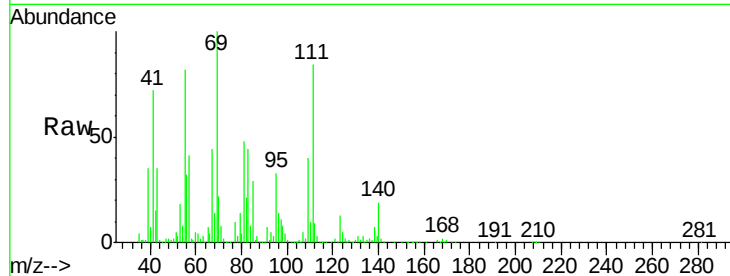
Tot Ion: 83 Resp: 302682

Ion Ratio Lower Upper

83 100

131 4.2 5.5 16.4#

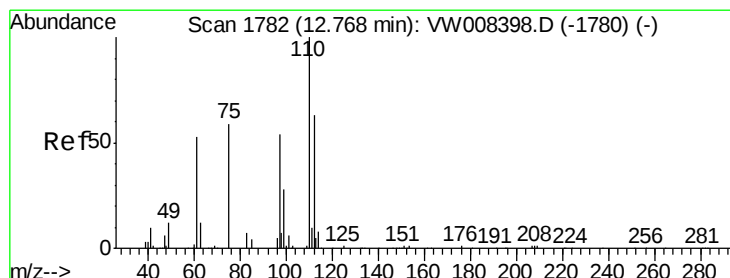
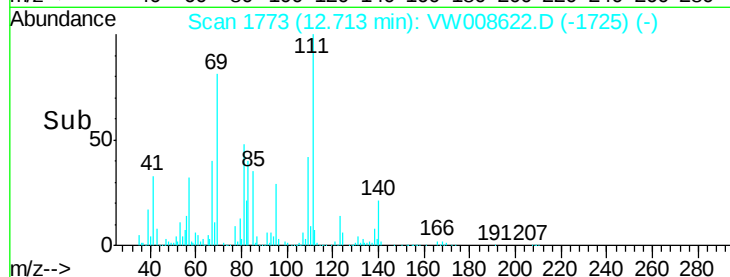
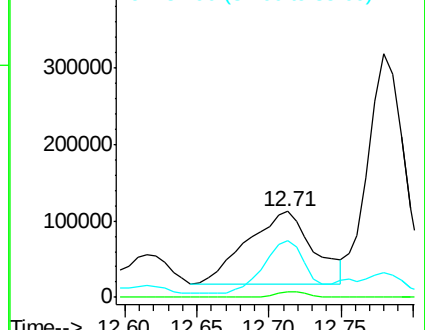
85 47.9 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 66.640 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008622.D

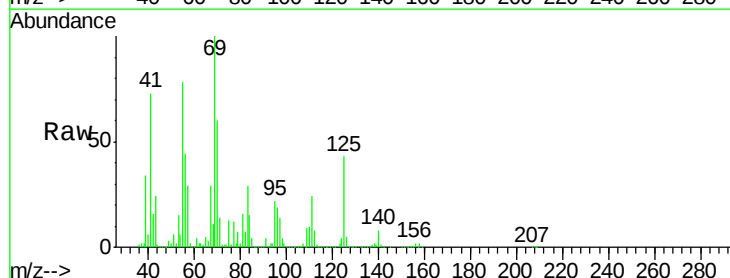
Acq: 12 Feb 2019 14:58

Tgt Ion: 75 Resp: 102714

Ion Ratio Lower Upper

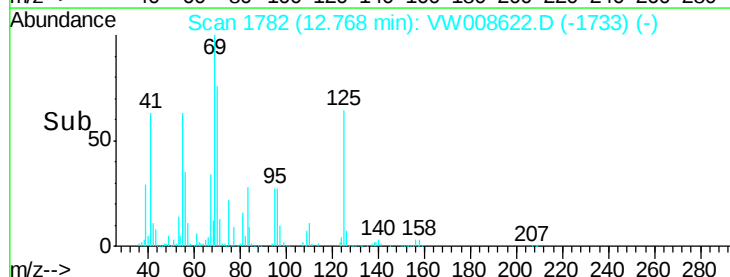
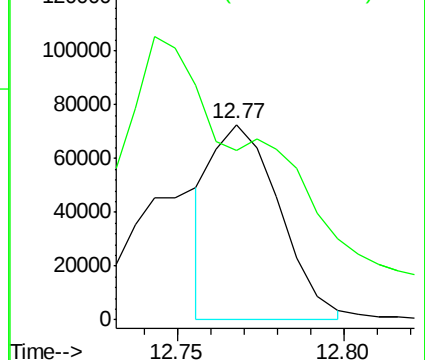
75 100

77 0.0 180.7 542.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 26.720 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

K1457-11MS

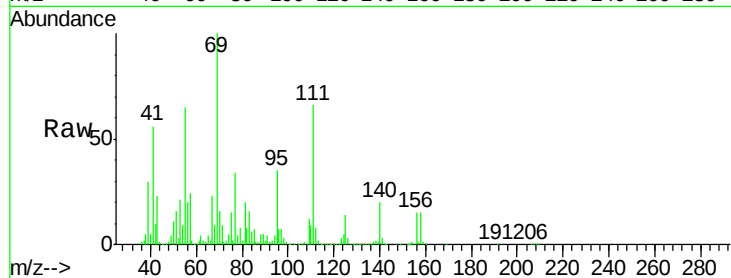
Tot Ion:156 Resp: 77124

Ion Ratio Lower Upper

156 100

77 379.5 96.9 290.7#

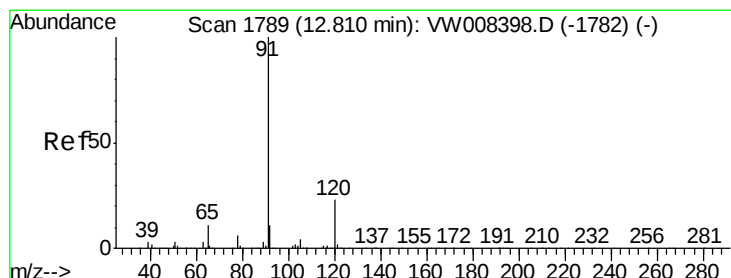
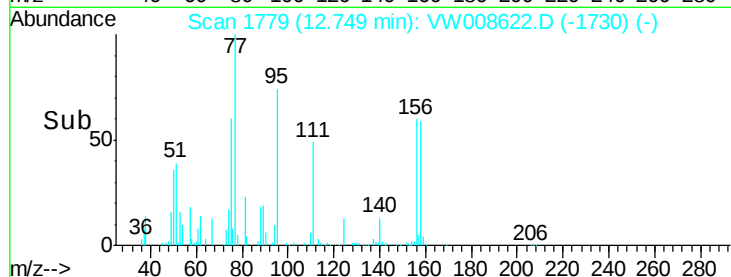
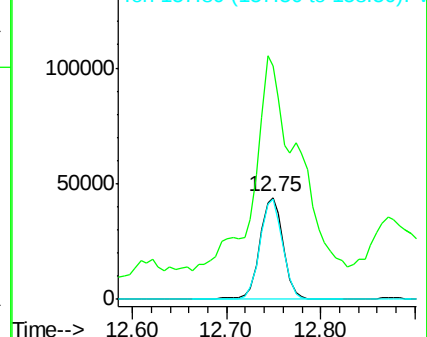
158 94.6 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 14.816 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008622.D

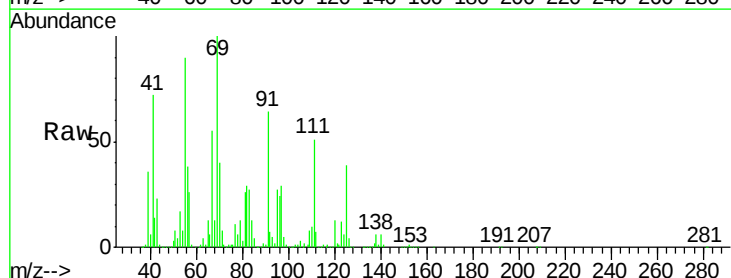
Acq: 12 Feb 2019 14:58

Tgt Ion: 91 Resp: 235181

Ion Ratio Lower Upper

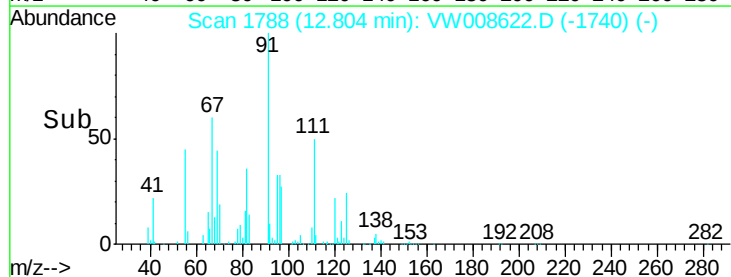
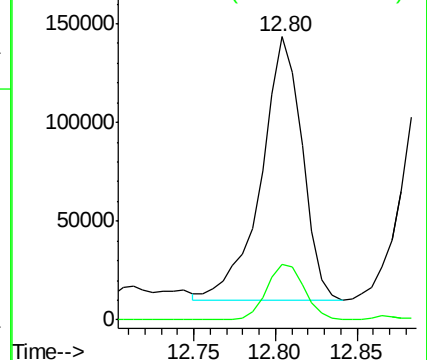
91 100

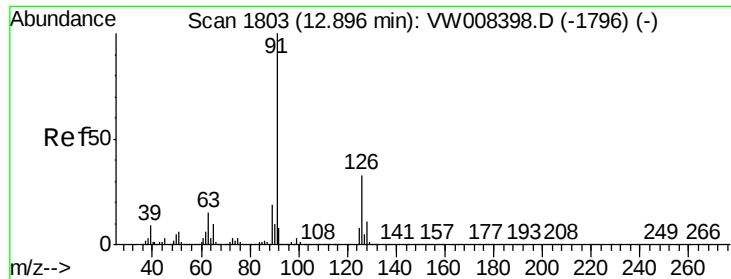
120 19.5 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 26.260 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

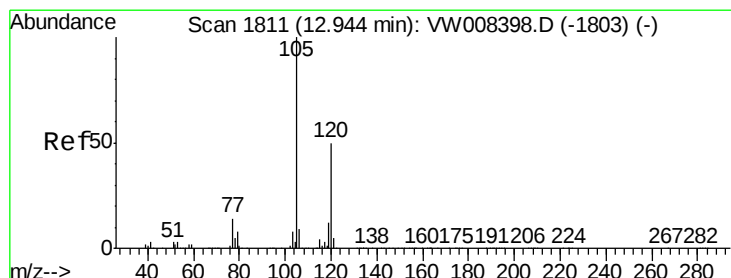
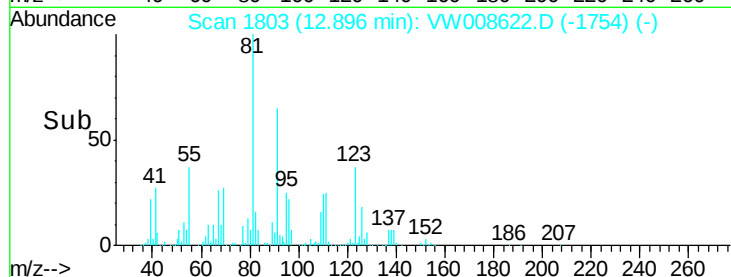
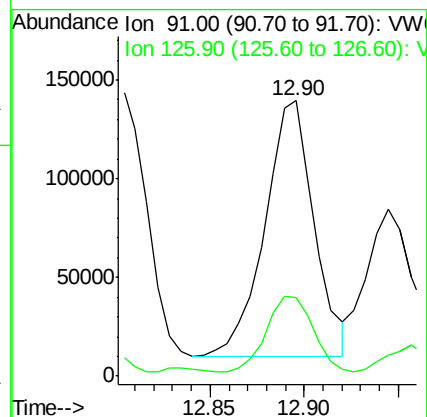
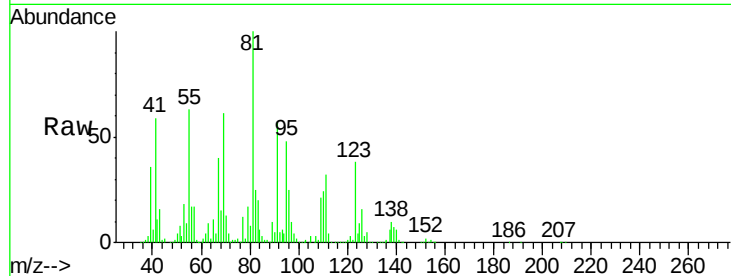
K1457-11MS

Tot Ion: 91 Resp: 235228

Ion Ratio Lower Upper

91 100

126 27.9 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 76.875 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008622.D

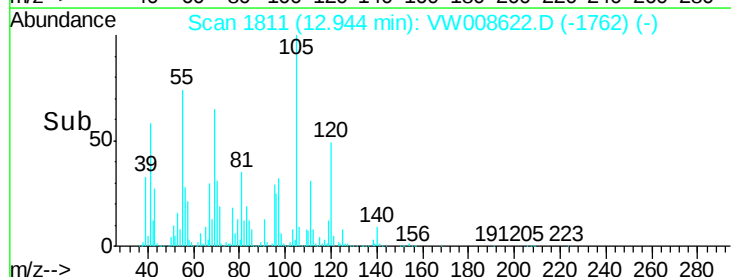
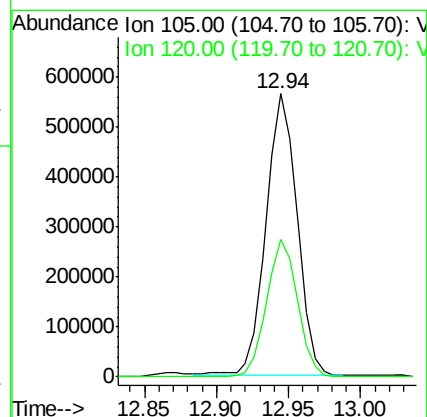
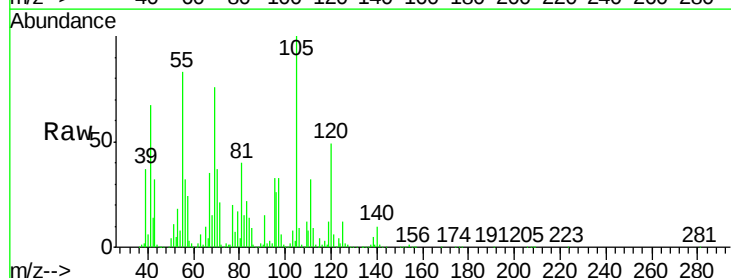
Acq: 12 Feb 2019 14:58

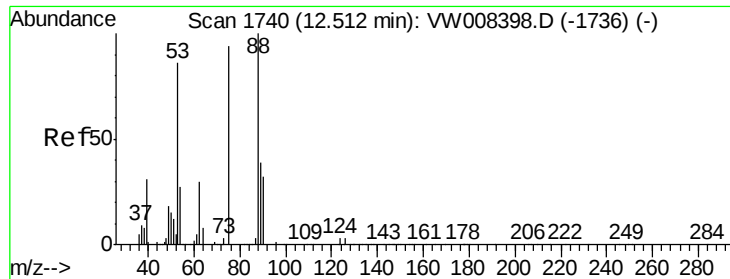
Tgt Ion: 105 Resp: 849219

Ion Ratio Lower Upper

105 100

120 48.3 24.6 73.8

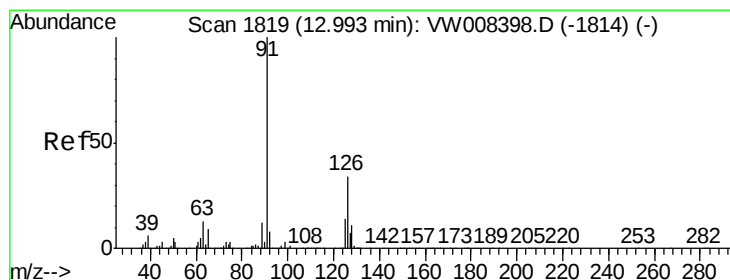
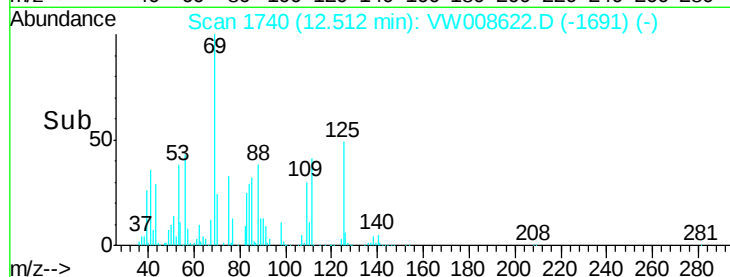
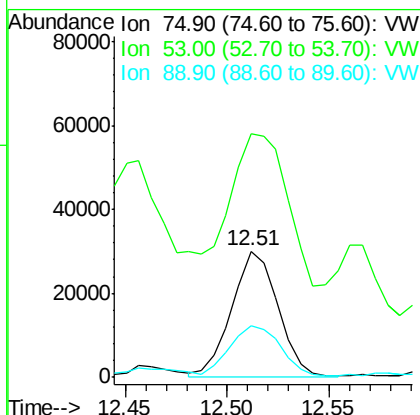
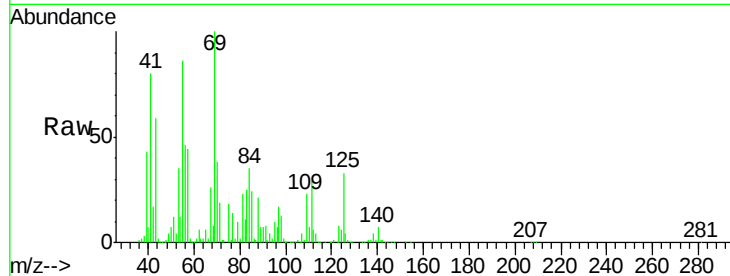




#81
trans-1,4-Dichloro-2-butene
Concen: 60.012 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

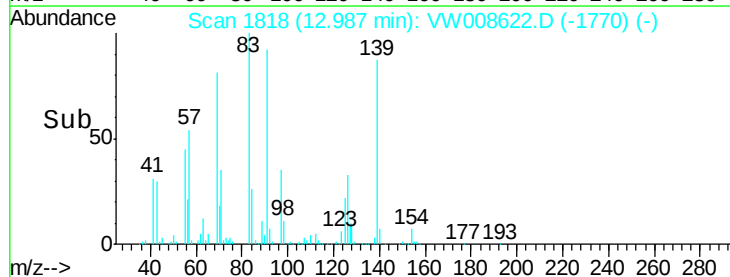
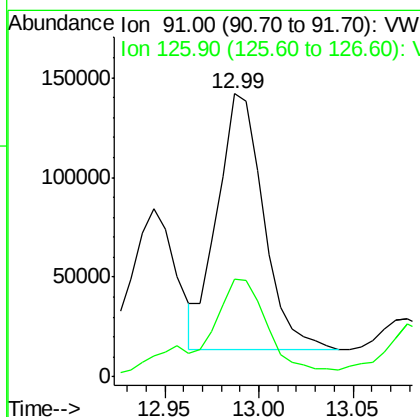
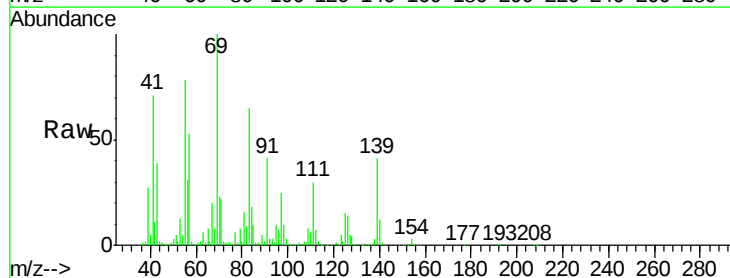
Instrument :
MSVOA_W
ClientSampleId :
K1457-11MS

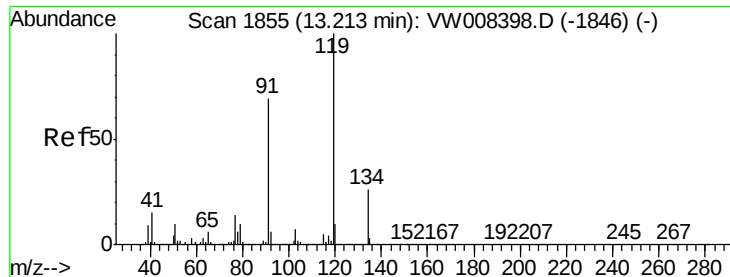
Tot Ion: 75 Resp: 46832
Ion Ratio Lower Upper
75 100
53 145.5 76.0 114.0#
89 44.6 35.4 53.0



#82
4-Chlorotoluene
Concen: 23.041 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

Tgt Ion: 91 Resp: 219741
Ion Ratio Lower Upper
91 100
126 48.7 16.4 49.2





#83

tert-Butylbenzene

Concen: 18.569 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

K1457-11MS

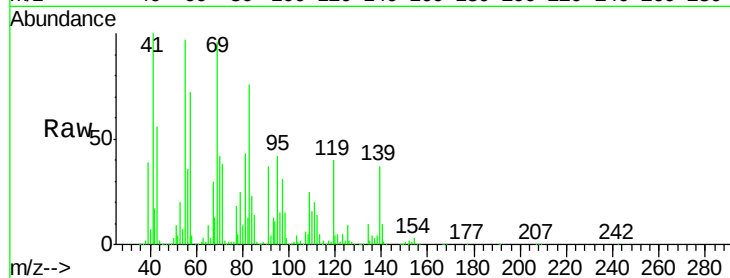
Tot Ion:119 Resp: 182544

Ion Ratio Lower Upper

119 100

91 85.1 33.8 101.4

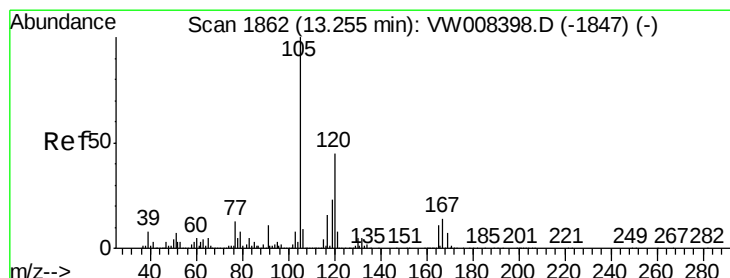
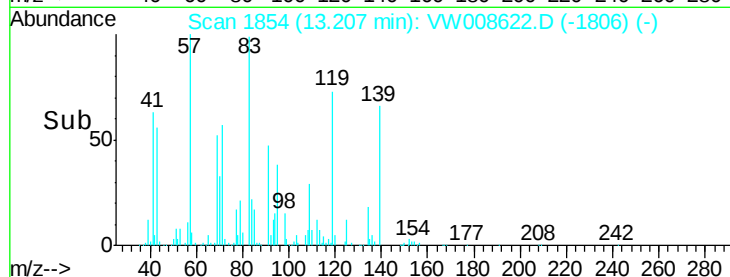
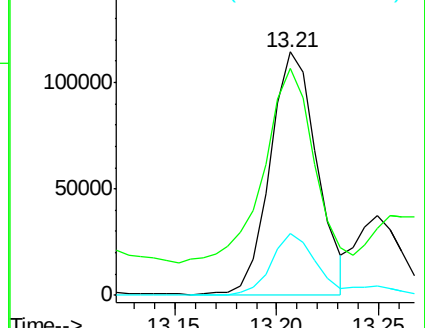
134 23.9 13.5 40.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 15.470 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008622.D

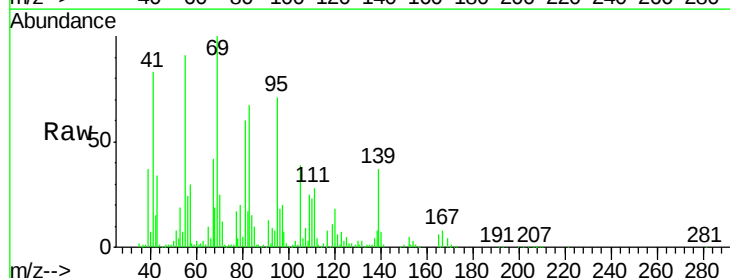
Acq: 12 Feb 2019 14:58

Tgt Ion:105 Resp: 173702

Ion Ratio Lower Upper

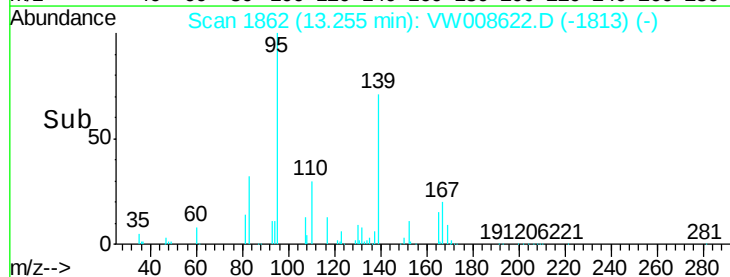
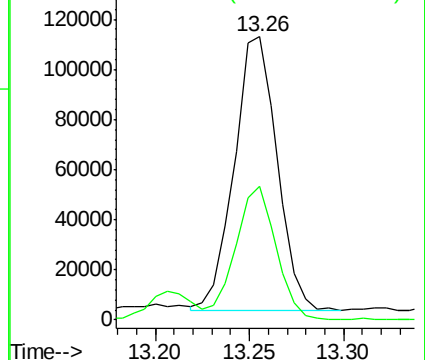
105 100

120 45.7 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 12.880 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

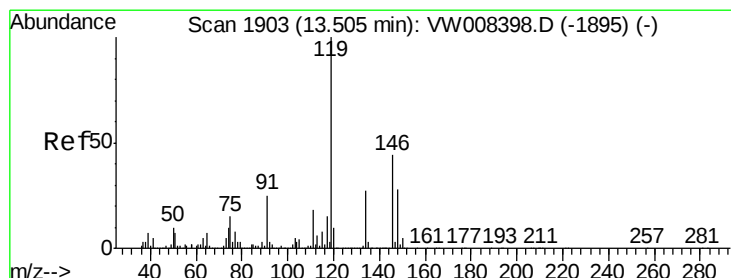
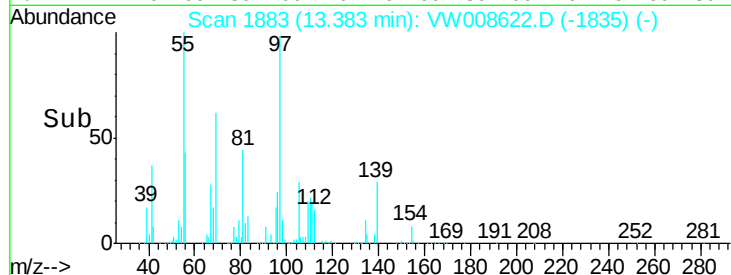
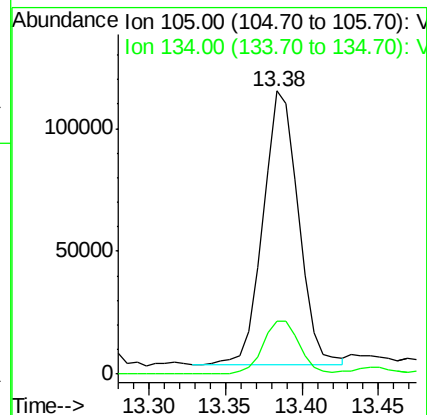
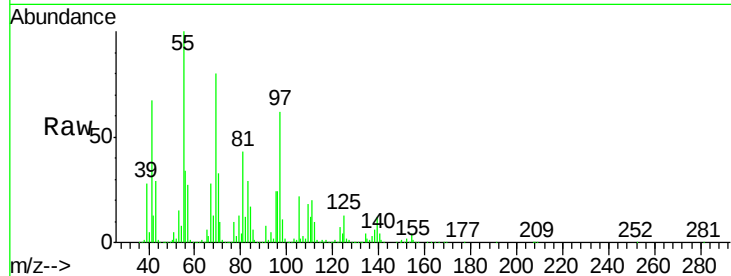
K1457-11MS

Tot Ion:105 Resp: 180826

Ion Ratio Lower Upper

105 100

134 19.3 10.2 30.6



#86

p-Isopropyltoluene

Concen: 11.945 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

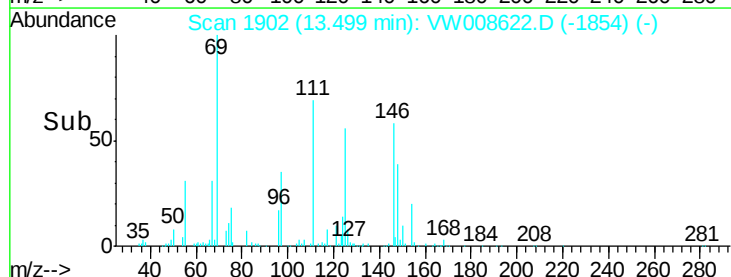
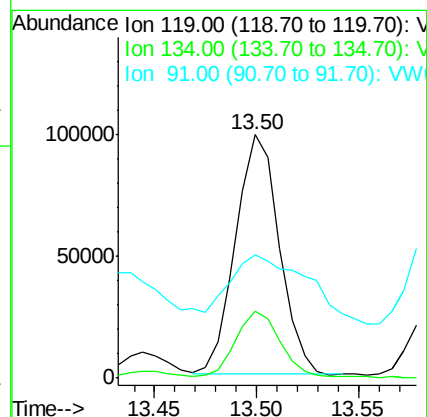
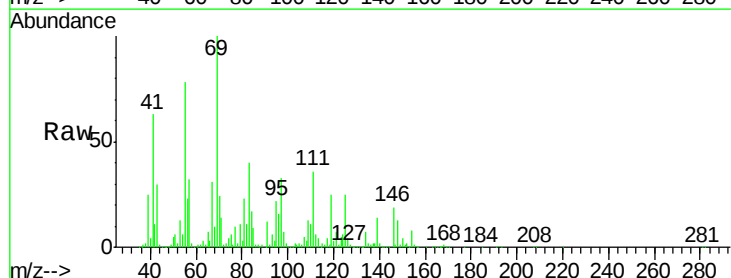
Tgt Ion:119 Resp: 146895

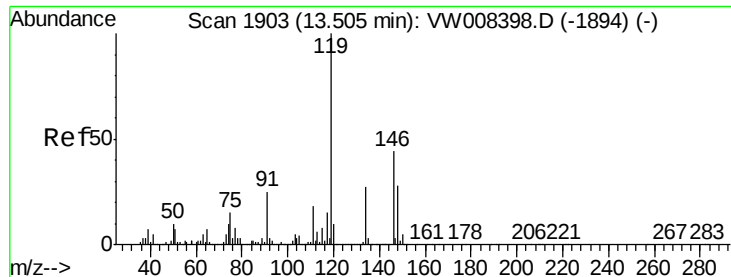
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

91 50.9 12.6 37.6#

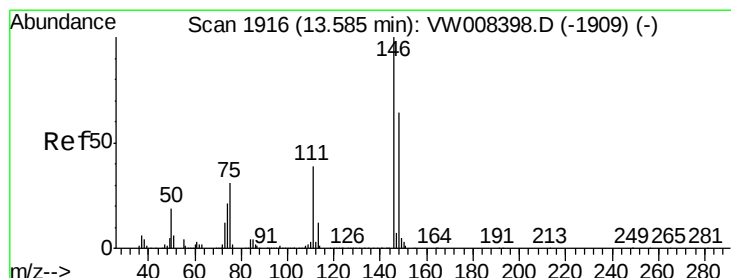
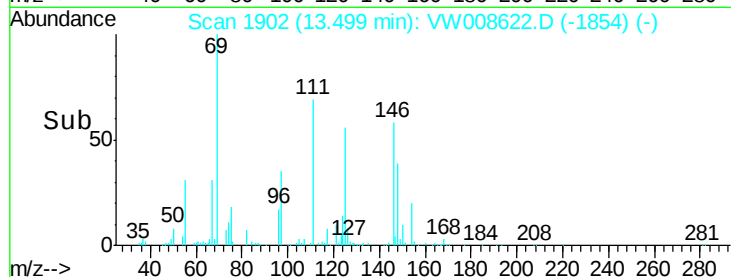
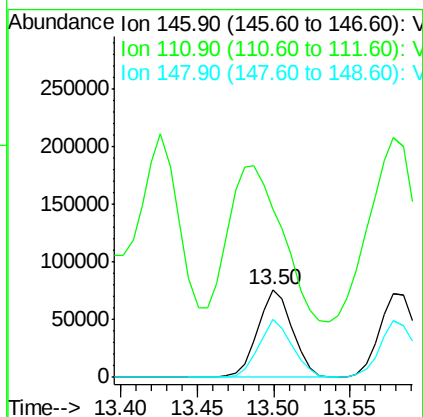
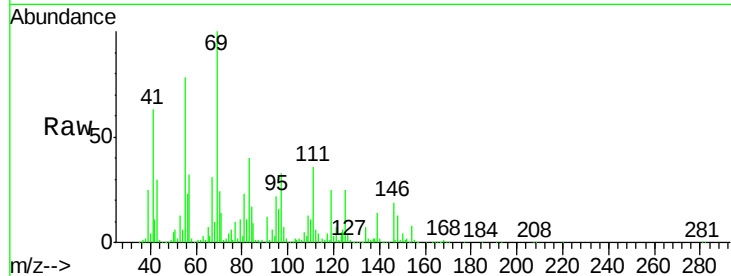




#87
 1,3-Dichlorobenzene
 Concen: 20.632 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008622.D
 Acq: 12 Feb 2019 14:58

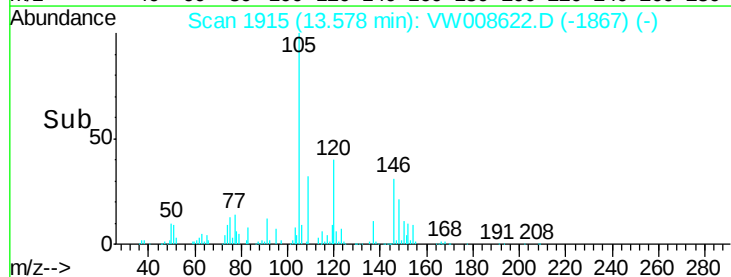
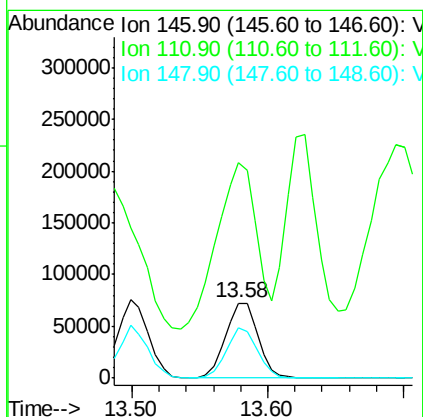
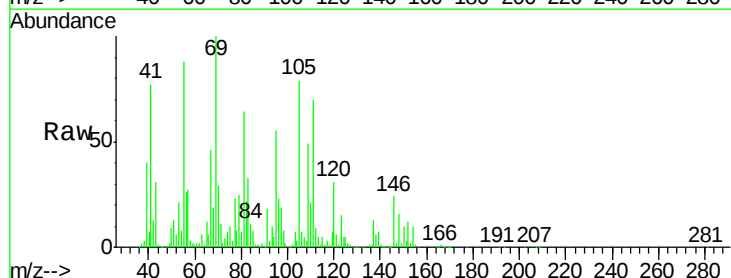
Instrument :
 MSVOA_W
 ClientSampleId :
 K1457-11MS

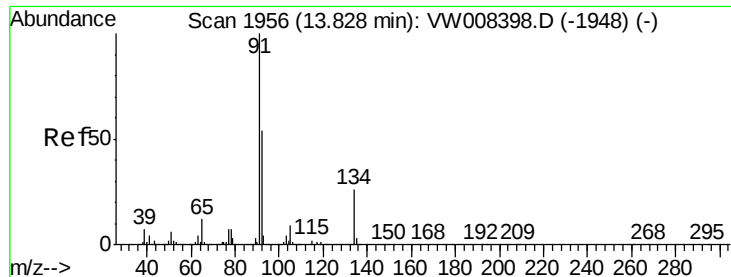
Tot Ion:146 Resp: 120269
 Ion Ratio Lower Upper
 146 100
 111 273.1 20.3 60.9#
 148 63.0 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 20.636 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW008622.D
 Acq: 12 Feb 2019 14:58

Tgt Ion:146 Resp: 119548
 Ion Ratio Lower Upper
 146 100
 111 272.2 20.0 60.0#
 148 63.9 32.0 96.2





#89

n-Butylbenzene

Concen: 16.621 ug/l m

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008622.D

Acq: 12 Feb 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

K1457-11MS

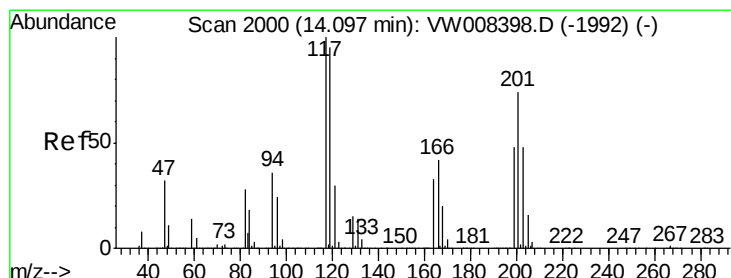
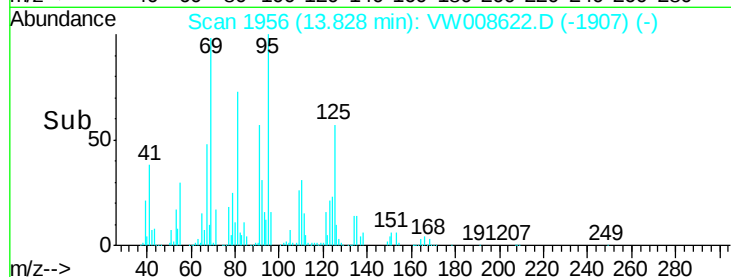
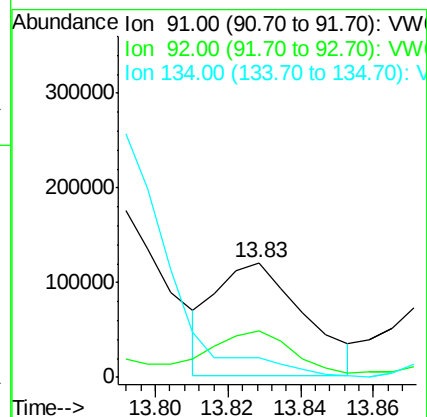
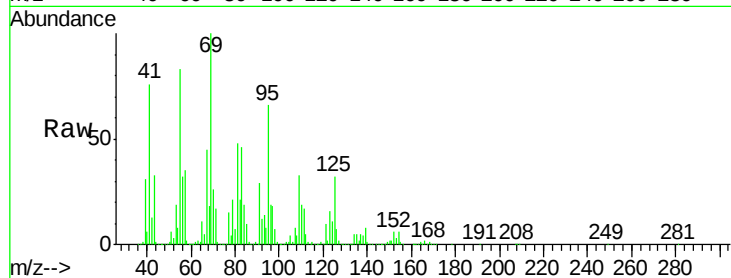
Tot Ion: 91 Resp: 200684

Ion Ratio Lower Upper

91 100

92 34.0 27.4 82.2

134 0.0 13.0 39.0#



#90

Hexachloroethane

Concen: 31.619 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008622.D

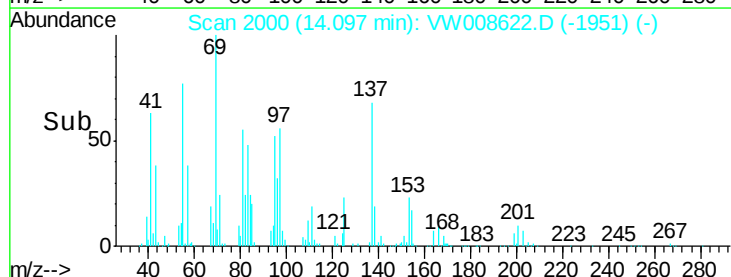
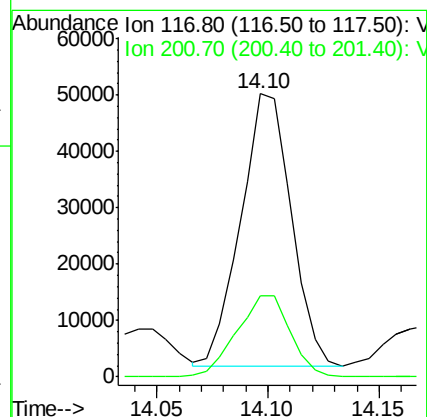
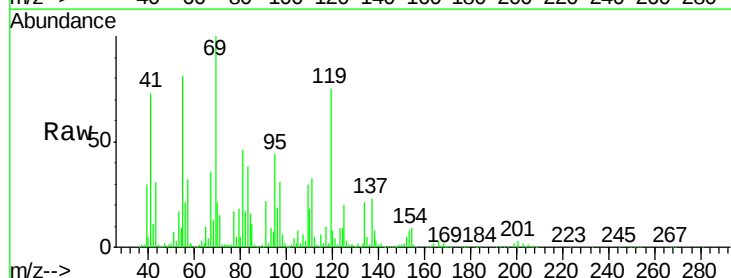
Acq: 12 Feb 2019 14:58

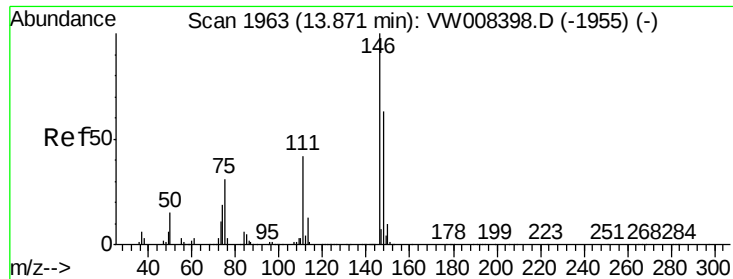
Tgt Ion: 117 Resp: 76040

Ion Ratio Lower Upper

117 100

201 31.8 39.1 117.5#

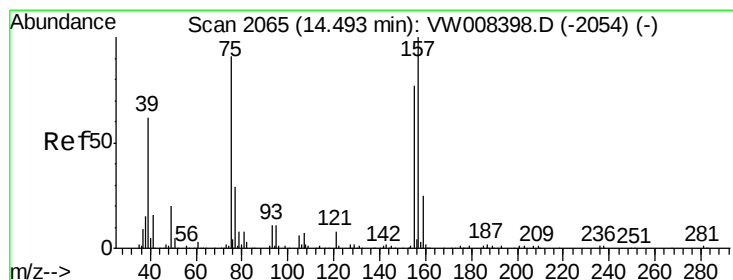
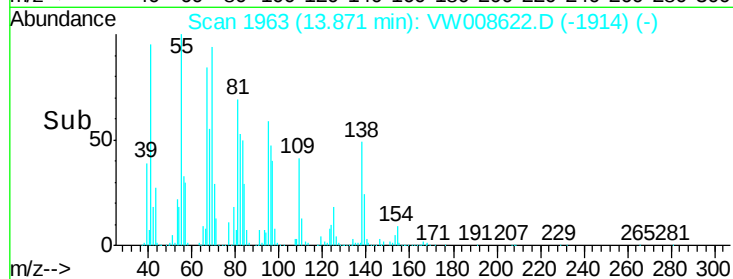
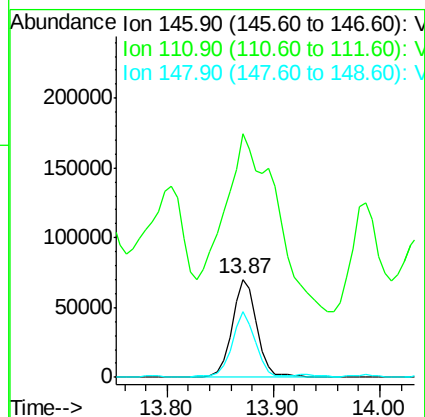
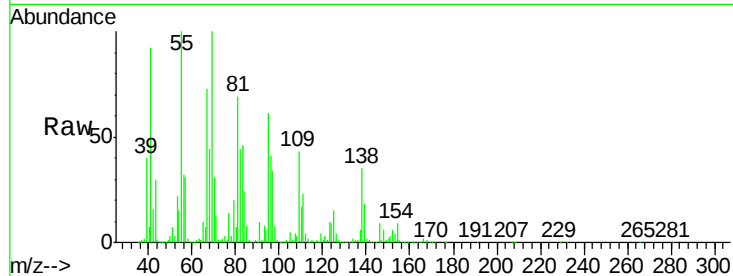




#91
 1,2-Dichlorobenzene
 Concen: 21.948 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008622.D
 Acq: 12 Feb 2019 14:58

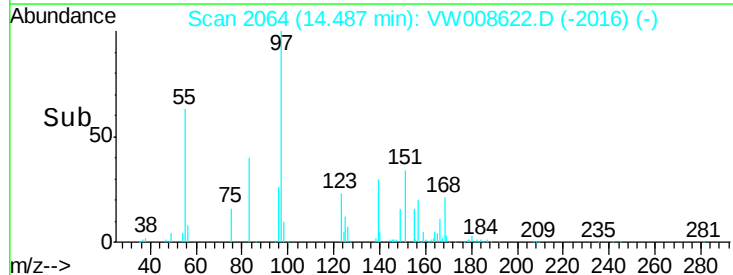
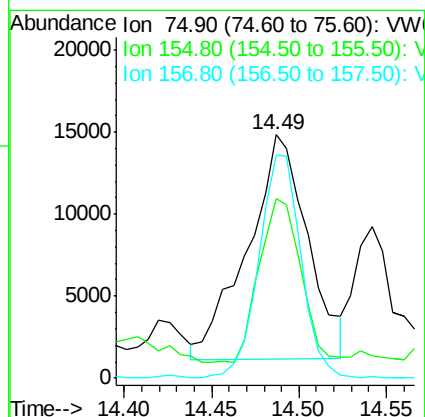
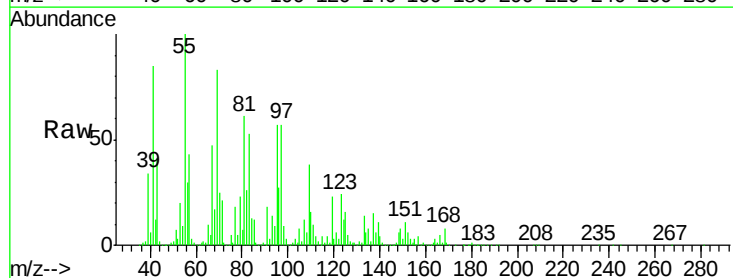
Instrument :
 MSVOA_W
 ClientSampled :
 K1457-11MS

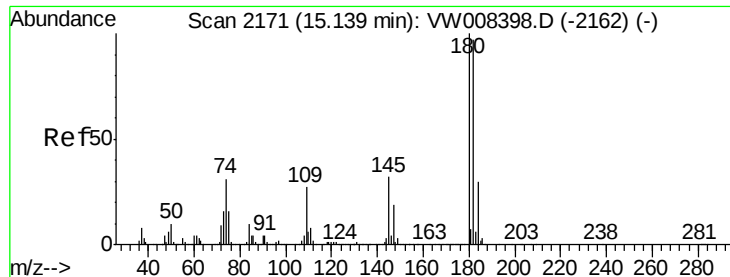
Tot Ion:146 Resp: 113207
 Ion Ratio Lower Upper
 146 100
 111 398.3 21.1 63.3#
 148 61.0 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 82.672 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW008622.D
 Acq: 12 Feb 2019 14:58

Tgt Ion: 75 Resp: 32822
 Ion Ratio Lower Upper
 75 100
 155 50.8 42.7 128.1
 157 69.5 55.5 166.3

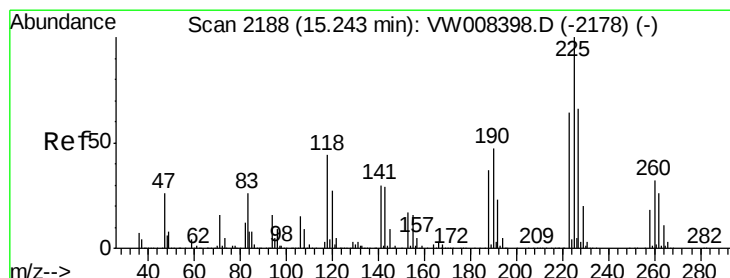
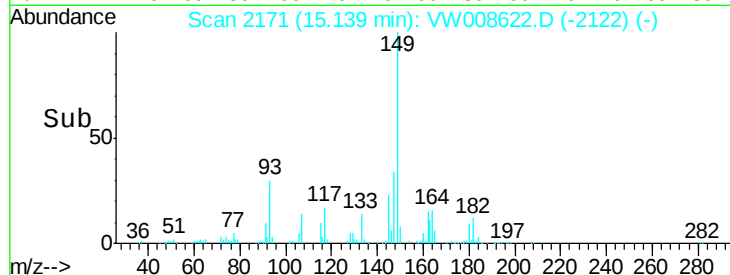
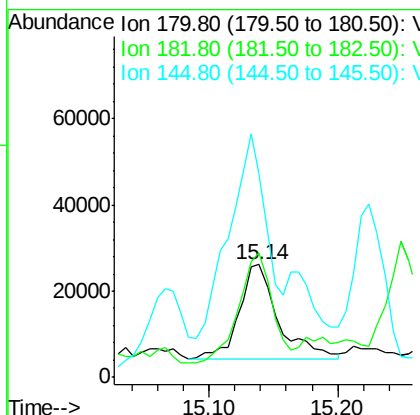
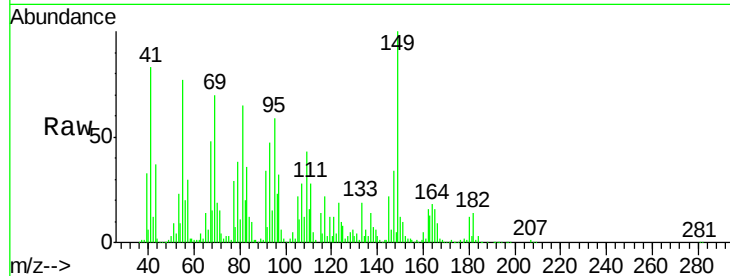




#93
 1,2,4-Trichlorobenzene
 Concen: 12.392 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008622.D
 Acq: 12 Feb 2019 14:58

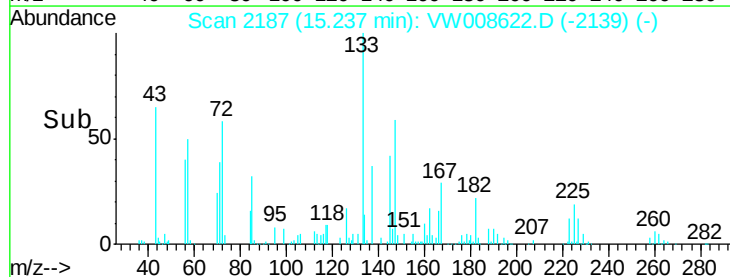
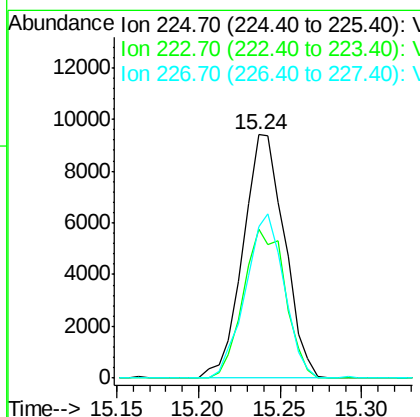
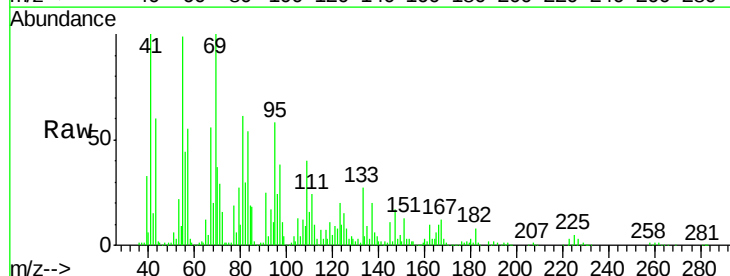
Instrument :
 MSVOA_W
 ClientSampleId :
 K1457-11MS

Tot Ion:180 Resp: 45612
 Ion Ratio Lower Upper
 180 100
 182 100.2 47.9 143.7
 145 211.3 15.5 46.5#



#94
 Hexachlorobutadiene
 Concen: 7.515 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW008622.D
 Acq: 12 Feb 2019 14:58

Tgt Ion:225 Resp: 16670
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.7 95.1
 227 62.8 32.1 96.3

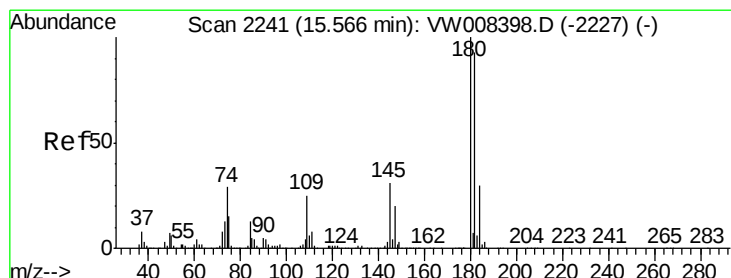
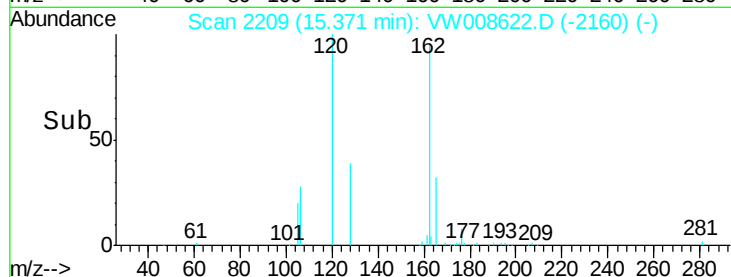
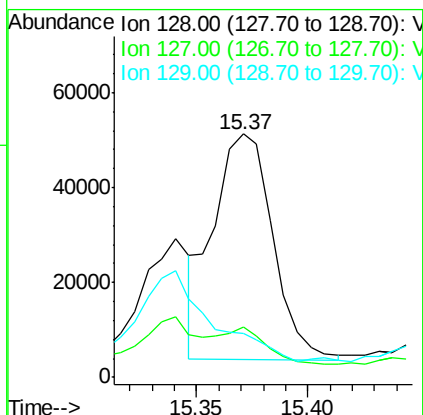
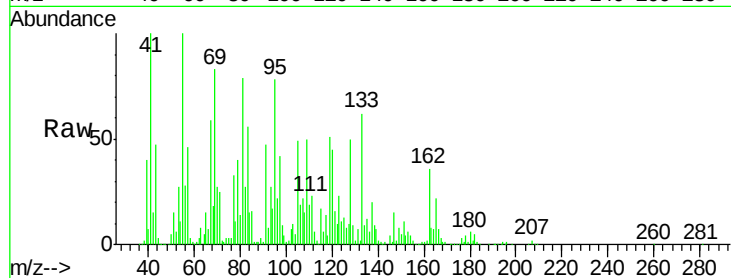




#95
Naphthalene
Concen: 13.687 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :
K1457-11MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.7	13.1#



#96
1,2,3-Trichlorobenzene
Concen: 11.722 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW008622.D
Acq: 12 Feb 2019 14:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	78.1	47.0	141.2
145	0.0	15.9	47.6#

