

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021219\
 Data File : VW008623.D
 Acq On : 12 Feb 2019 15:24
 Operator : SY/VA
 Sample : K1457-06MSD
 Misc : 5.86G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 K1457-11MSD

Quant Time: Feb 13 00:59:41 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	378616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	594470	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	533063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	285195	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	228252	61.37	ug/l	0.00
Spiked Amount			Recovery	=	122.74%	
35) Dibromofluoromethane	7.88	113	197503	56.82	ug/l	0.00
Spiked Amount			Recovery	=	113.64%	
50) Toluene-d8	10.32	98	753042	54.02	ug/l	0.00
Spiked Amount			Recovery	=	108.04%	
62) 4-Bromofluorobenzene	12.62	95	295866	55.22	ug/l	0.00
Spiked Amount			Recovery	=	110.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	106464	48.746	ug/l	97
3) Chloromethane	2.21	50	166842	53.985	ug/l	99
4) Vinyl Chloride	2.37	62	217313	55.237	ug/l	99
5) Bromomethane	2.78	94	145686	57.412	ug/l	95
6) Chloroethane	2.92	64	144482	60.050	ug/l	98
7) Trichlorofluoromethane	3.25	101	155295	45.819	ug/l	97
8) Diethyl Ether	3.67	74	102394	54.230	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	162987	47.596	ug/l	99
10) Methyl Iodide	4.26	142	238929	44.173	ug/l	98
11) Tert butyl alcohol	5.19	59	86659	289.378	ug/l	99
12) 1,1-Dichloroethene	4.03	96	153272	44.227	ug/l	92
13) Acrolein	3.88	56	50147	190.804	ug/l	96
14) Allyl chloride	4.65	41	287496	43.687	ug/l	95
15) Acrylonitrile	5.37	53	255201	313.007	ug/l	98
16) Acetone	4.12	43	223097	267.093	ug/l	98
17) Carbon Disulfide	4.37	76	397606	35.923	ug/l	100
18) Methyl Acetate	4.67	43	227774	102.239	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	342410	59.717	ug/l	99
20) Methylene Chloride	4.91	84	182336	47.362	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	175102	44.942	ug/l	99
22) Diisopropyl ether	6.31	45	606893	48.660	ug/l	99
23) Vinyl Acetate	6.25	43	1248327	169.507	ug/l	99
24) 1,1-Dichloroethane	6.21	63	332646	47.119	ug/l	98
25) 2-Butanone	7.17	43	360222	310.486	ug/l	96
26) 2,2-Dichloropropane	7.16	77	211019	44.221	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	202955	47.797	ug/l	99
28) Bromochloromethane	7.50	49	170073	52.450	ug/l	100
29) Tetrahydrofuran	7.53	42	236085	321.112	ug/l	97
30) Chloroform	7.67	83	349322	50.307	ug/l	99
31) Cyclohexane	7.95	56	278380	38.135	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	287608	47.954	ug/l	99
36) 1,1-Dichloropropene	8.08	75	261232	46.520	ug/l	100
37) Ethyl Acetate	7.25	43	144822	58.292	ug/l	100
38) Carbon Tetrachloride	8.06	117	271218	47.997	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	289380	39.228	ug/l	99
40) Benzene	8.32	78	737769	47.347	ug/l	98
41) Methacrylonitrile	7.48	41	94192	64.030	ug/l	97
42) 1,2-Dichloroethane	8.40	62	245960	54.468	ug/l	99
43) Isopropyl Acetate	8.42	43	306629	59.407	ug/l	99
44) Trichloroethene	9.09	130	199003	46.965	ug/l	98
45) 1,2-Dichloropropane	9.37	63	191066	49.178	ug/l	99
46) Dibromomethane	9.45	93	110808	55.451	ug/l	99
47) Bromodichloromethane	9.64	83	263367	49.828	ug/l	99
48) Methyl methacrylate	9.43	41	158670	62.870	ug/l	94
49) 1,4-Dioxane	9.46	88	36183	1071.213	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	854113	334.956	ug/l	99
52) Toluene	10.38	92	479823	46.648	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	288342	51.268	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	305896	47.926	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	153965	55.548	ug/l	98
56) Ethyl methacrylate	10.65	69	200003	51.496	ug/l	97
57) 1,3-Dichloropropane	10.93	76	273261	55.030	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	598092	316.945	ug/l	100
59) 2-Hexanone	10.97	43	601815	334.315	ug/l	98
60) Dibromochloromethane	11.13	129	189107	53.091	ug/l	98
61) 1,2-Dibromoethane	11.23	107	152706	55.563	ug/l	99
64) Tetrachloroethene	10.86	164	177477	49.174	ug/l	96
65) Chlorobenzene	11.66	112	528807	48.596	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	199897	51.344	ug/l	100
67) Ethyl Benzene	11.73	91	966528	48.321	ug/l	99
68) m/p-Xylenes	11.84	106	741418	95.533	ug/l	99
69) o-Xylene	12.16	106	356586	48.357	ug/l	99
70) Styrene	12.18	104	591155	48.534	ug/l	99
71) Bromoform	12.35	173	122855	56.085	ug/l #	100
73) Isopropylbenzene	12.46	105	990411	46.582	ug/l	100
74) N-amyl acetate	12.27	43	273596	49.950	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	209716	62.301	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	146880m	59.236	ug/l	
77) Bromobenzene	12.74	156	227218	48.934	ug/l	98
78) n-propylbenzene	12.80	91	1159915	45.421	ug/l	100
79) 2-Chlorotoluene	12.90	91	664336	46.101	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	811300	45.652	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	69468	55.334	ug/l	93
82) 4-Chlorotoluene	12.99	91	711607	46.382	ug/l	100
83) tert-Butylbenzene	13.21	119	714895	45.205	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	842699	46.653	ug/l	99
85) sec-Butylbenzene	13.38	105	1004828	44.491	ug/l	99
86) p-Isopropyltoluene	13.50	119	895571	45.269	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	440999	47.026	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	445489	47.801	ug/l	99
89) n-Butylbenzene	13.83	91	803489	41.365	ug/l	99
90) Hexachloroethane	14.10	117	166740	43.098	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	401936	48.440	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	38867	60.854	ug/l	96

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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	237039	40.032	ug/l	98
94) Hexachlorobutadiene	15.24	225	112664	31.572	ug/l	99
95) Naphthalene	15.37	128	546730	52.586	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	201563	40.129	ug/l	97

(#) = 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: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

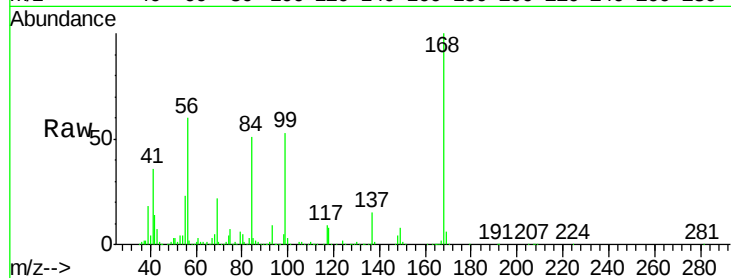
K1457-11MSD

Tot Ion:168 Resp: 378616

Ion Ratio Lower Upper

168 100

99 53.3 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

200000

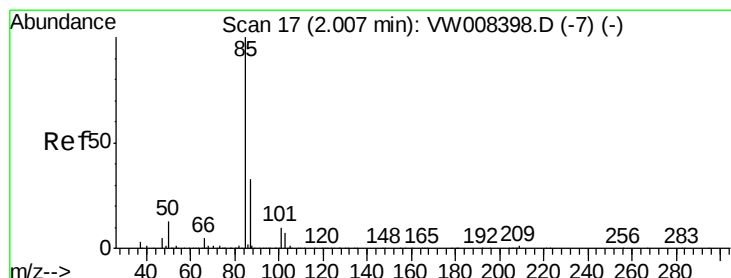
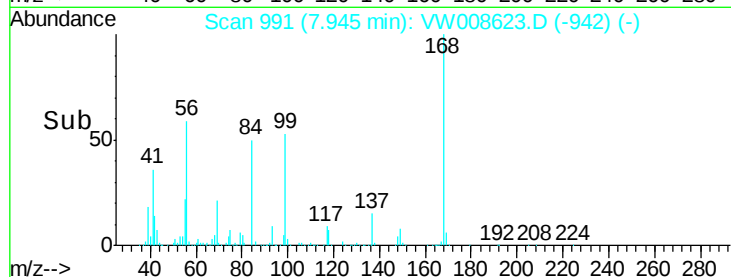
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 48.746 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008623.D

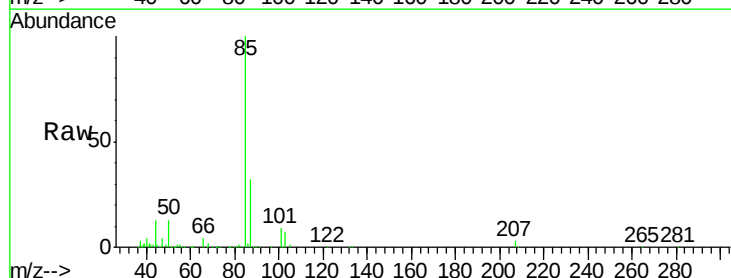
Acq: 12 Feb 2019 15:24

Tgt Ion: 85 Resp: 106464

Ion Ratio Lower Upper

85 100

87 31.7 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

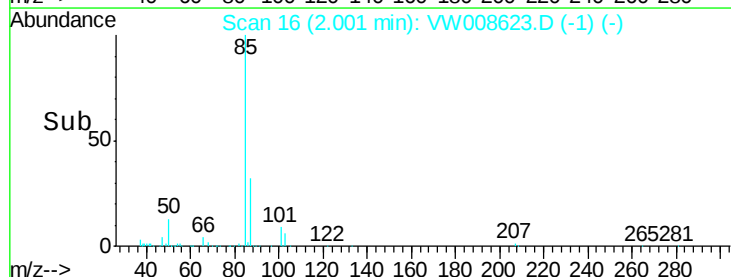
30000

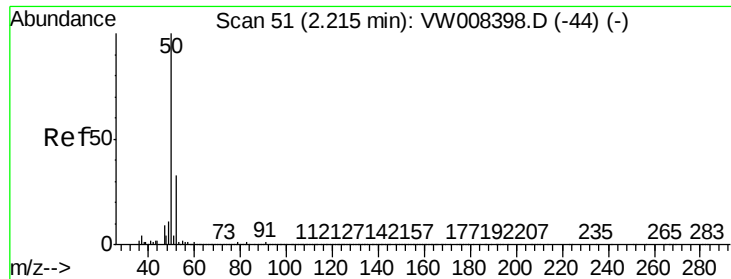
20000

10000

0

Time--> 1.90 2.00 2.10 2.20

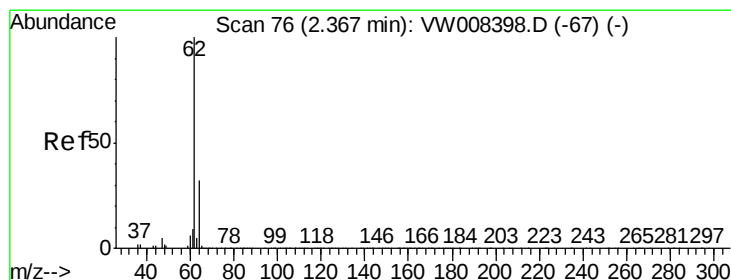
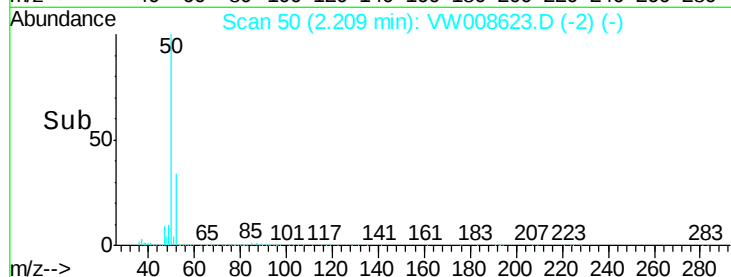
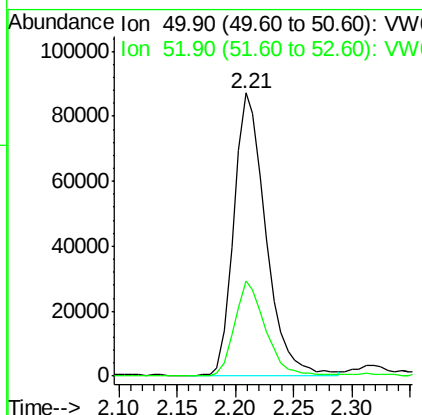
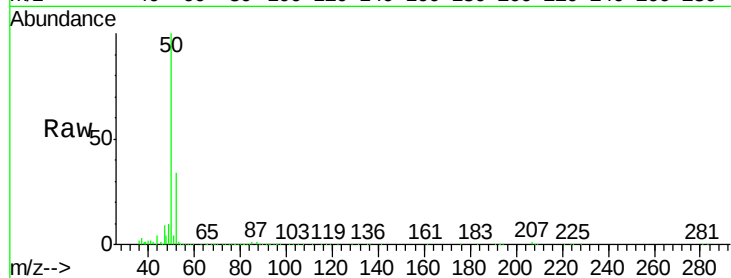




#3
Chloromethane
Concen: 53.985 ug/l
RT: 2.21 min Scan# 50
Delta R.T. -0.01 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

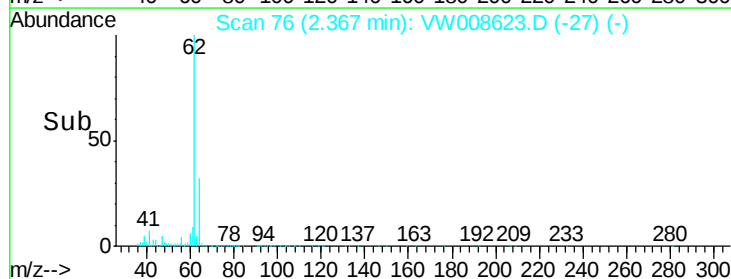
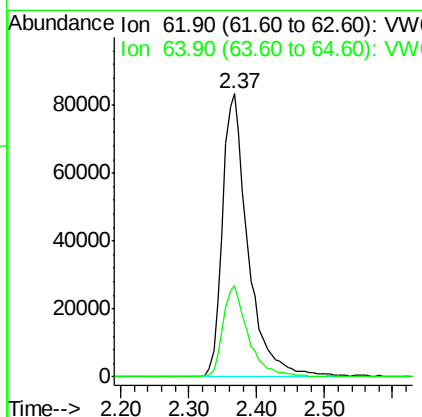
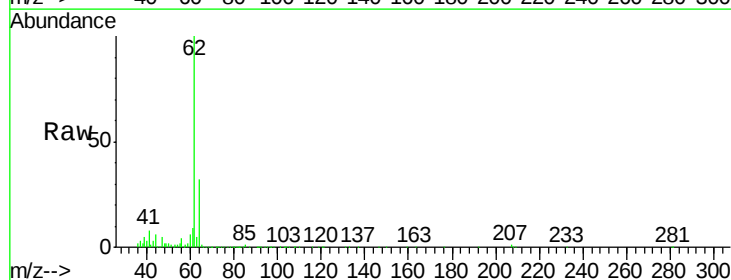
Instrument :
MSVOA_W
ClientSampleId :
K1457-11MSD

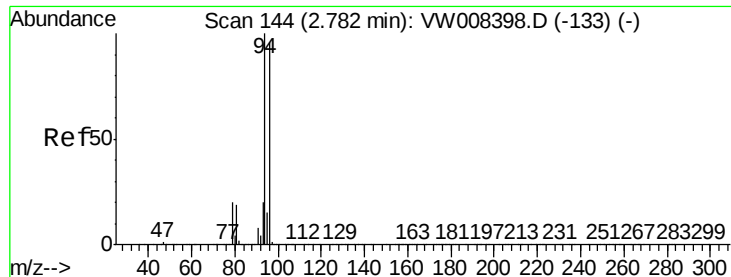
Tot Ion: 50 Resp: 166842
Ion Ratio Lower Upper
50 100
52 33.6 26.3 39.5



#4
Vinyl Chloride
Concen: 55.237 ug/l
RT: 2.37 min Scan# 76
Delta R.T. 0.00 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

Tgt Ion: 62 Resp: 217313
Ion Ratio Lower Upper
62 100
64 32.4 25.5 38.3





#5

Bromomethane

Concen: 57.412 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

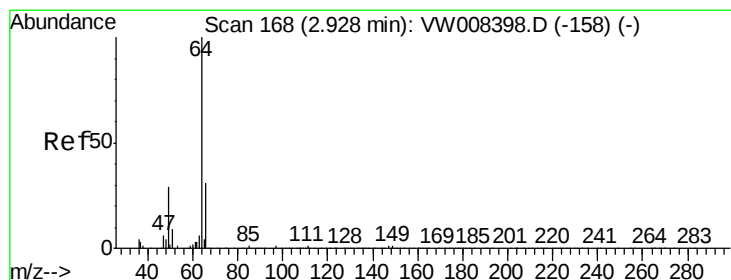
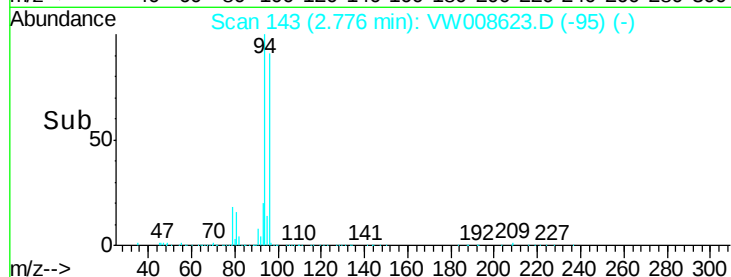
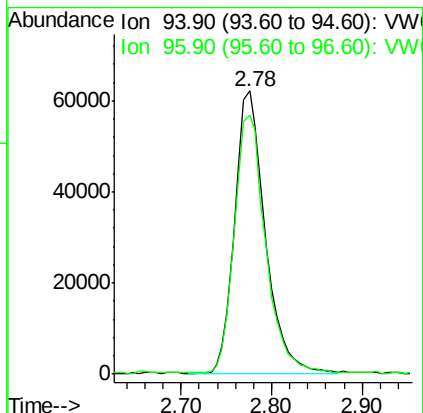
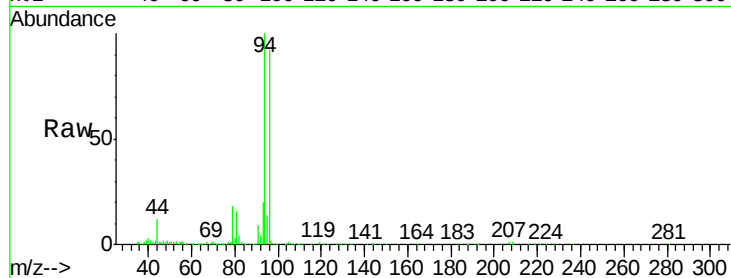
K1457-11MSD

Tot Ion: 94 Resp: 145686

Ion Ratio Lower Upper

94 100

96 91.3 77.2 115.8



#6

Chloroethane

Concen: 60.050 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008623.D

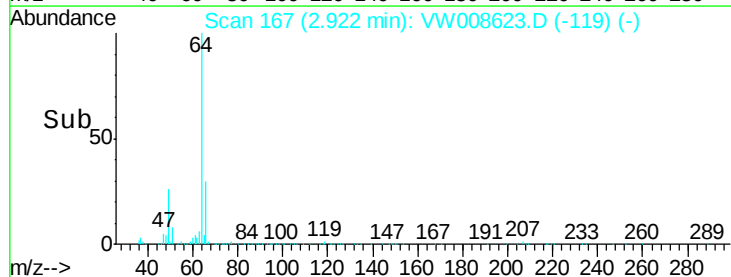
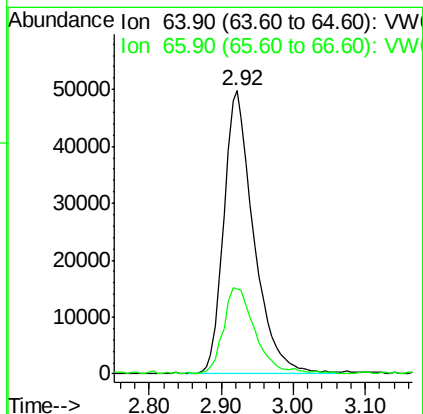
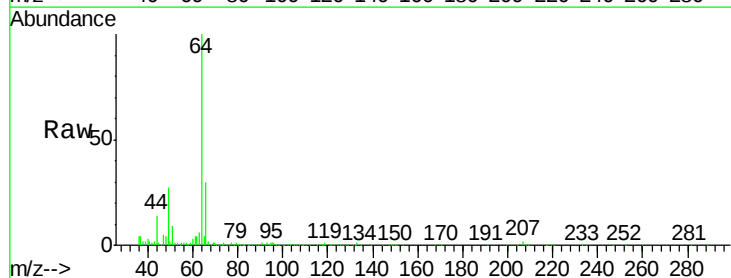
Acq: 12 Feb 2019 15:24

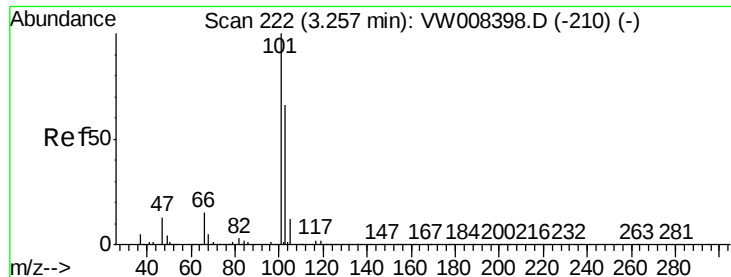
Tgt Ion: 64 Resp: 144482

Ion Ratio Lower Upper

64 100

66 29.9 24.9 37.3



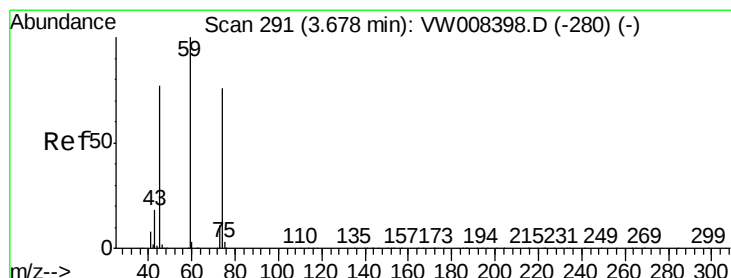
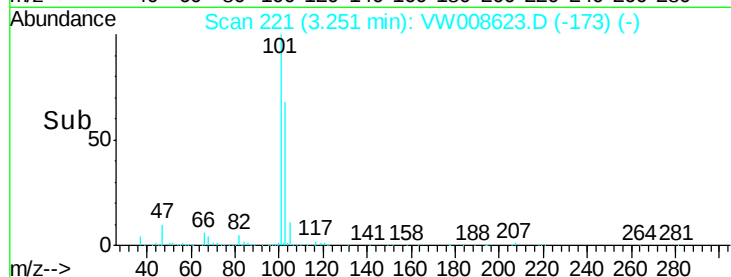
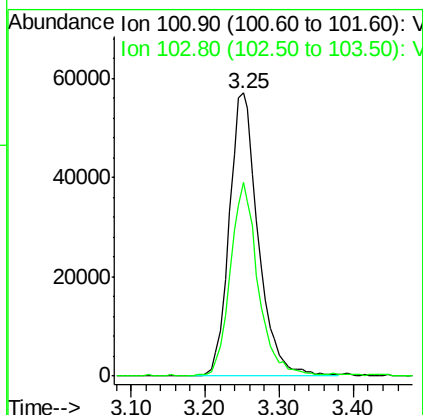
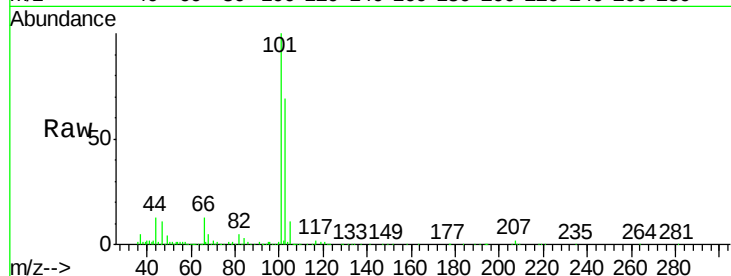


#7

Trichlorofluoromethane
Concen: 45.819 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008623.D
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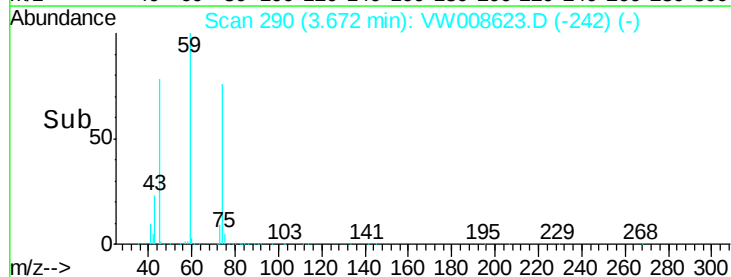
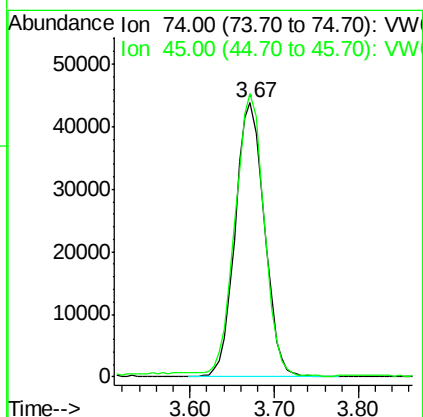
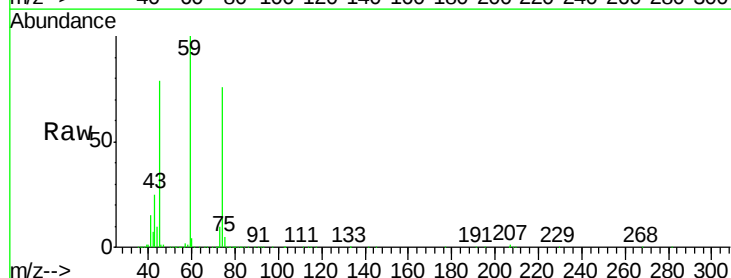
Tot Ion:101 Resp: 155295
Ion Ratio Lower Upper
101 100
103 68.3 52.5 78.7

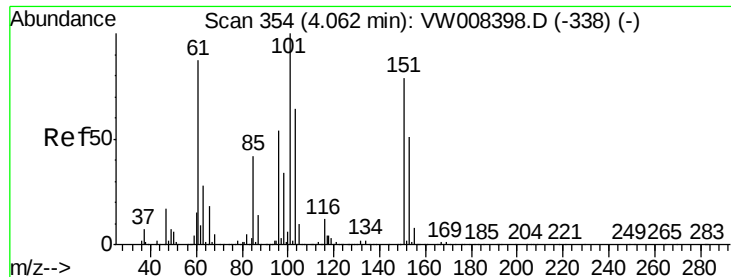


#8

Diethyl Ether
Concen: 54.230 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

Tgt Ion: 74 Resp: 102394
Ion Ratio Lower Upper
74 100
45 103.0 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.596 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

K1457-11MSD

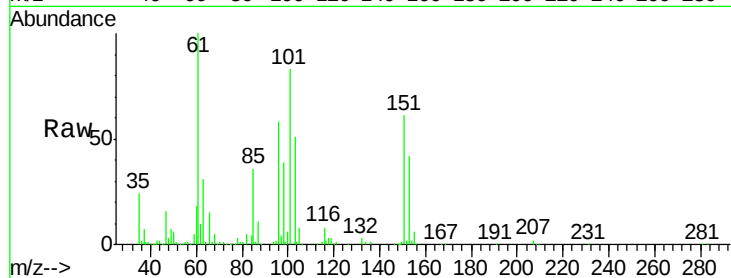
Tot Ion:101 Resp: 162987

Ion Ratio Lower Upper

101 100

85 44.8 35.0 52.4

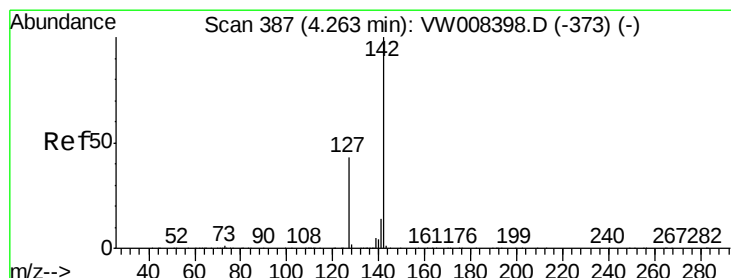
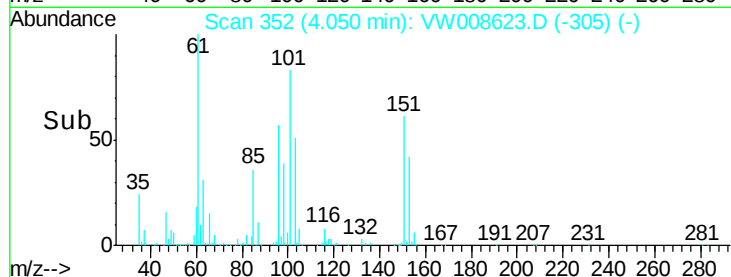
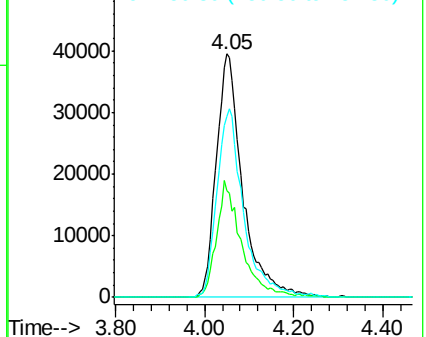
151 77.9 62.6 94.0



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: 44.173 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

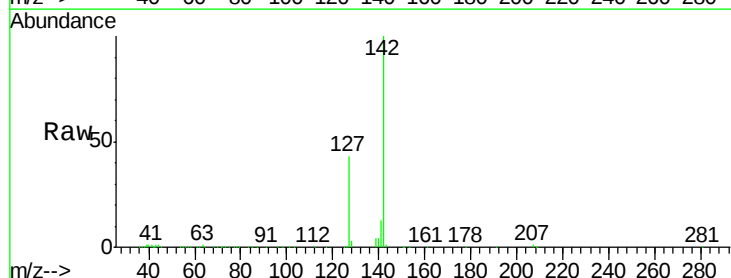
Tgt Ion:142 Resp: 238929

Ion Ratio Lower Upper

142 100

127 45.0 34.6 52.0

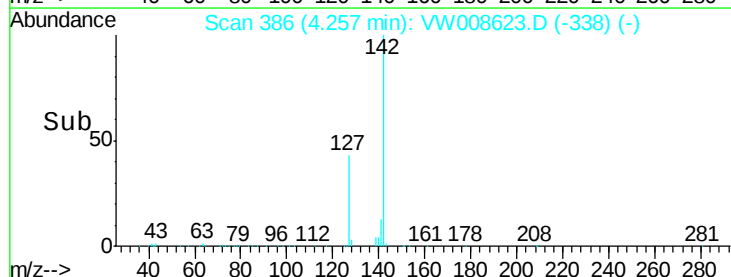
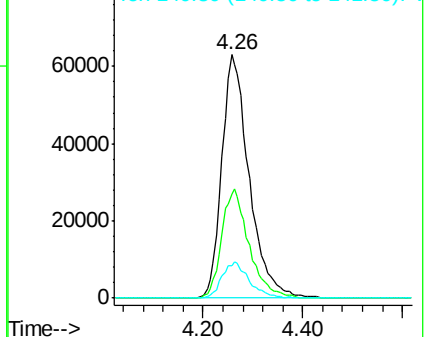
141 14.9 11.4 17.2

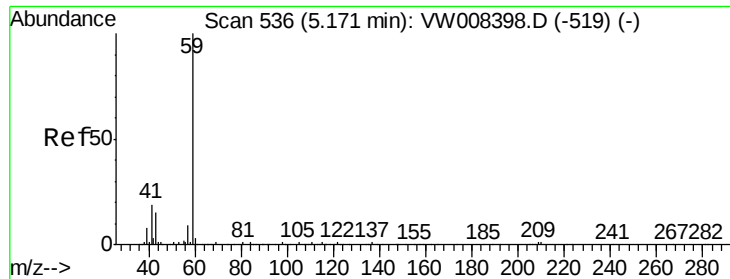


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

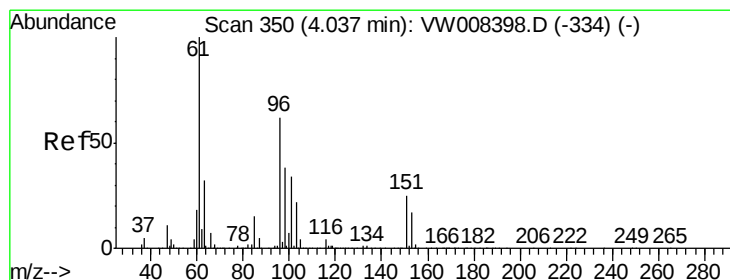
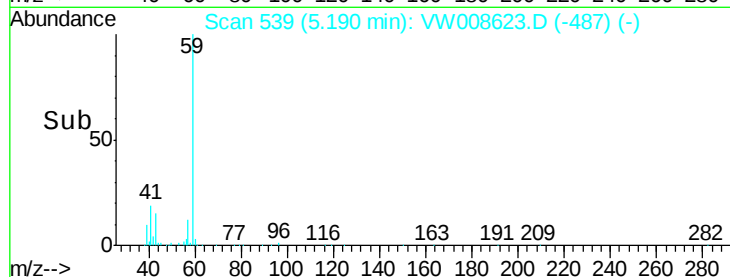
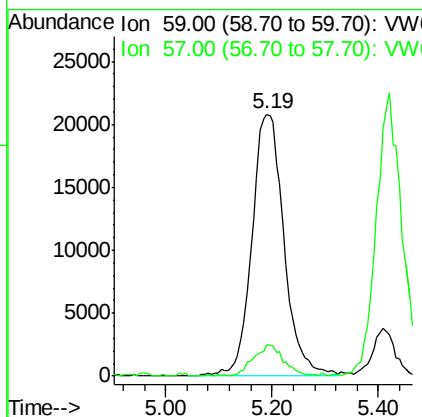
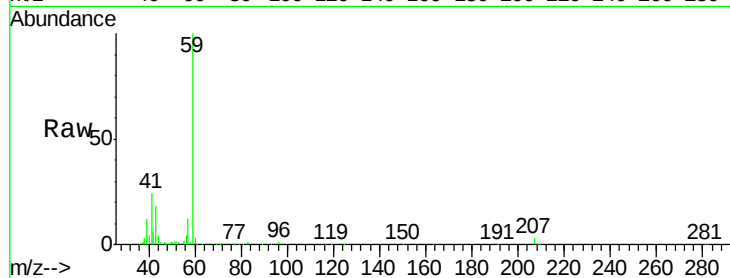




#11
Tert butyl alcohol
Concen: 289.378 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

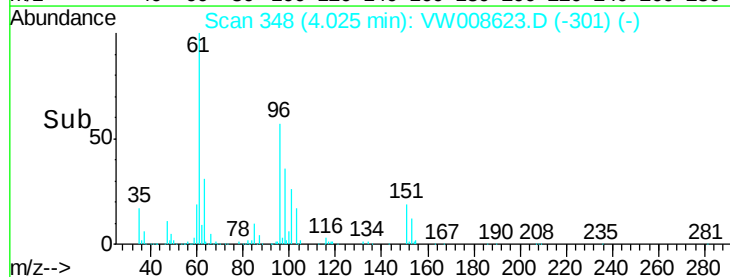
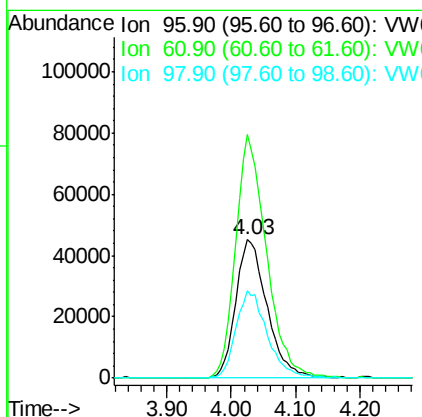
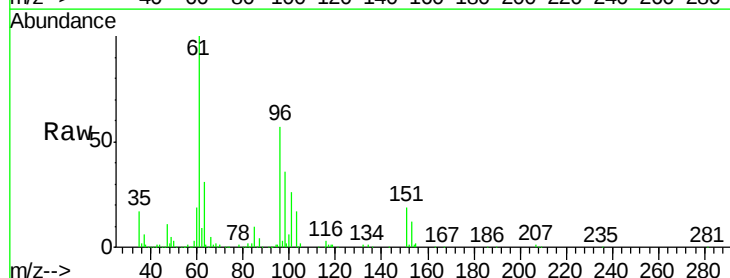
Instrument :
MSVOA_W
ClientSampleId :
K1457-11MSD

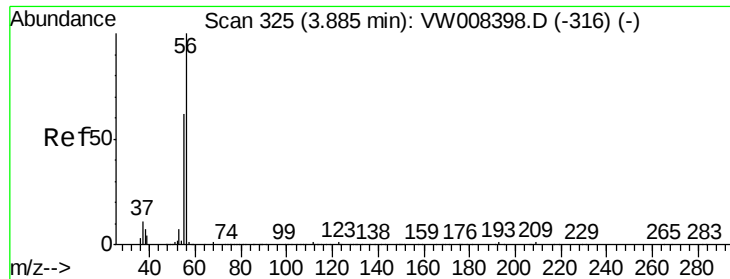
Tot Ion: 59 Resp: 86659
Ion Ratio Lower Upper
59 100
57 11.3 9.3 13.9



#12
1,1-Dichloroethene
Concen: 44.227 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

Tgt Ion: 96 Resp: 153272
Ion Ratio Lower Upper
96 100
61 175.7 129.5 194.3
98 62.7 48.6 73.0

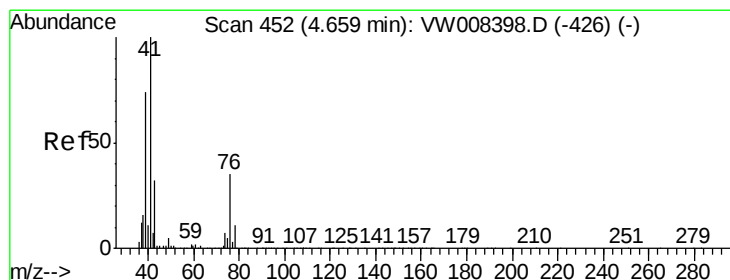
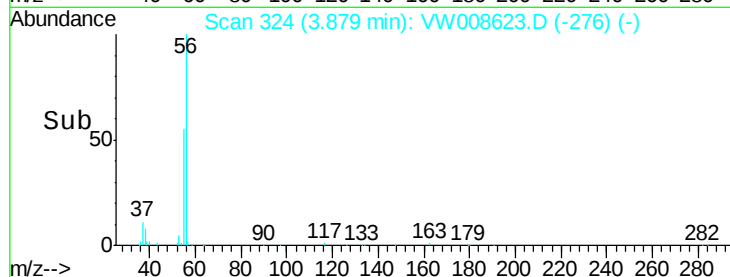
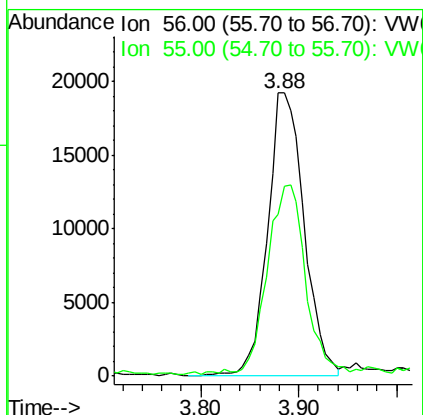
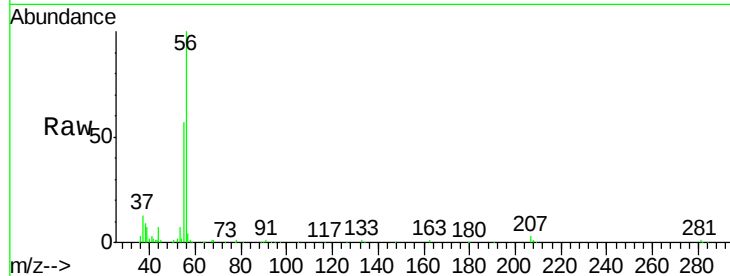




#13
Acrolein
Concen: 190.804 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

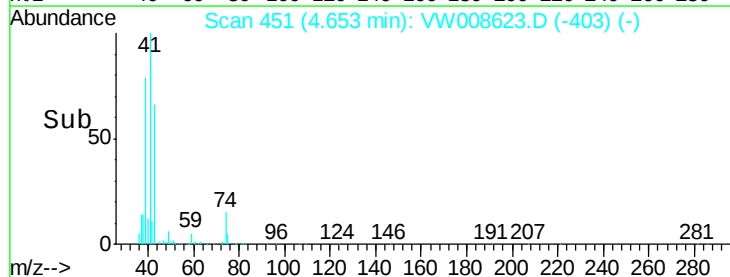
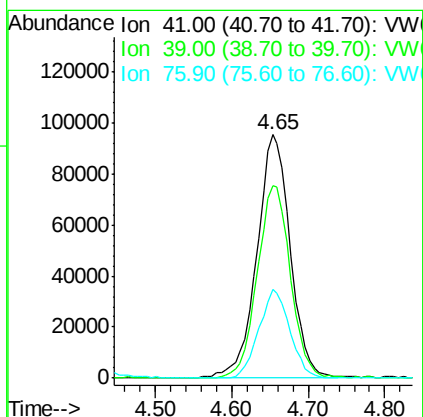
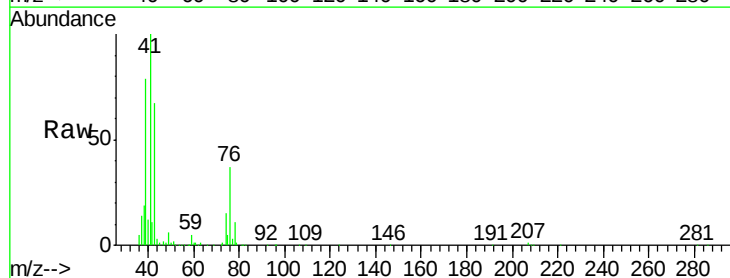
Instrument :
MSVOA_W
ClientSampled :
K1457-11MSD

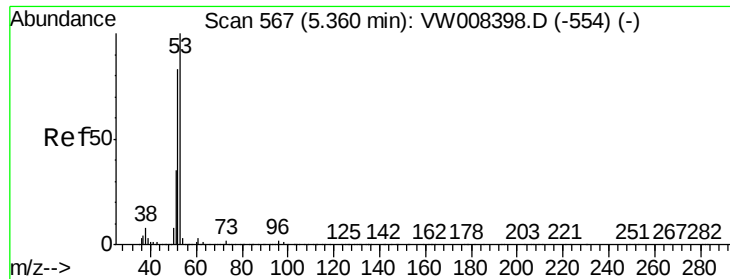
Tot Ion: 56 Resp: 50147
Ion Ratio Lower Upper
56 100
55 67.5 56.7 85.1



#14
Allyl chloride
Concen: 43.687 ug/l
RT: 4.65 min Scan# 451
Delta R.T. -0.01 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

Tgt Ion: 41 Resp: 287496
Ion Ratio Lower Upper
41 100
39 78.6 57.7 86.5
76 33.7 26.9 40.3





#15

Acrylonitrile

Concen: 313.007 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

K1457-11MSD

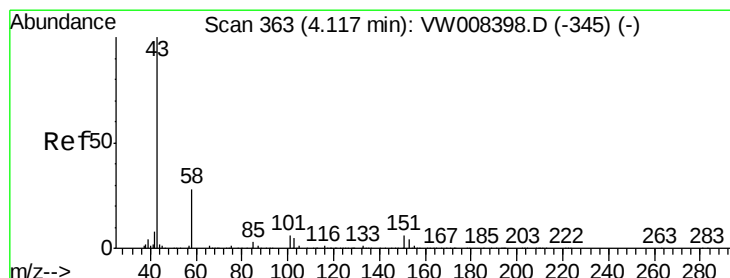
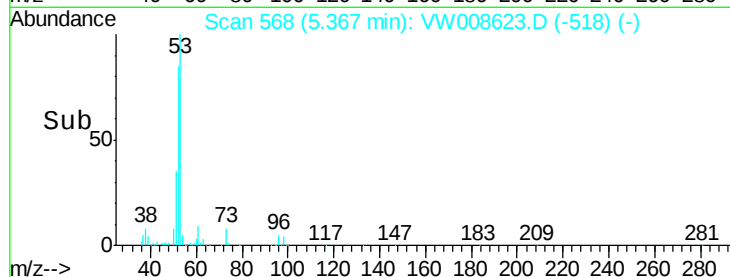
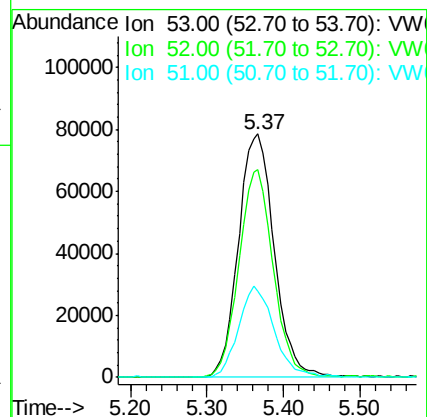
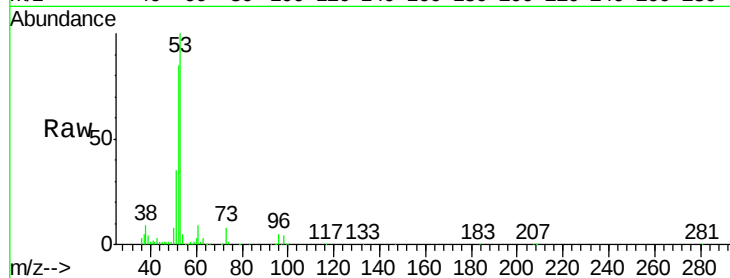
Tot Ion: 53 Resp: 255201

Ion Ratio Lower Upper

53 100

52 81.7 67.0 100.4

51 37.4 29.8 44.8



#16

Acetone

Concen: 267.093 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008623.D

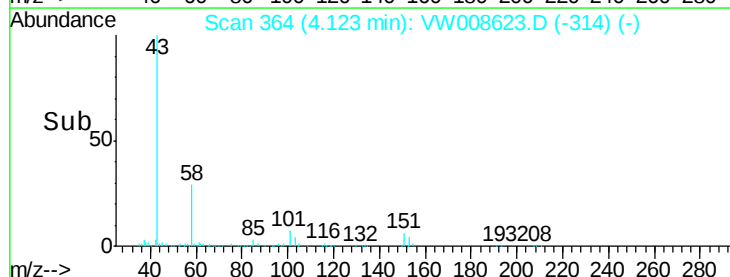
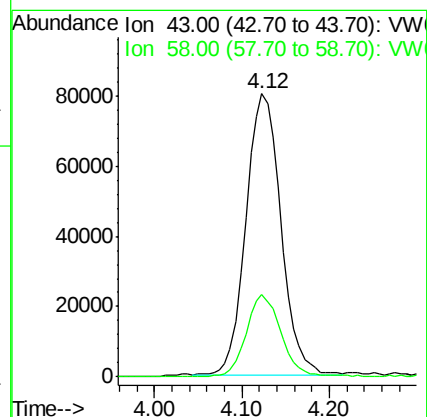
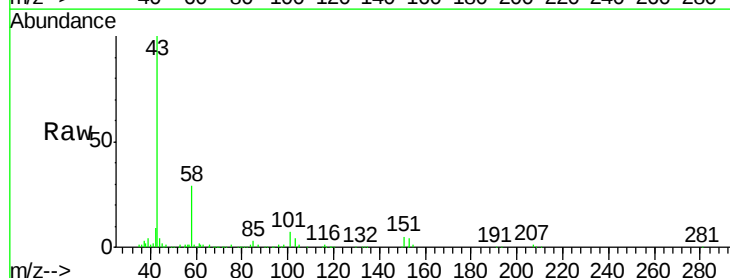
Acq: 12 Feb 2019 15:24

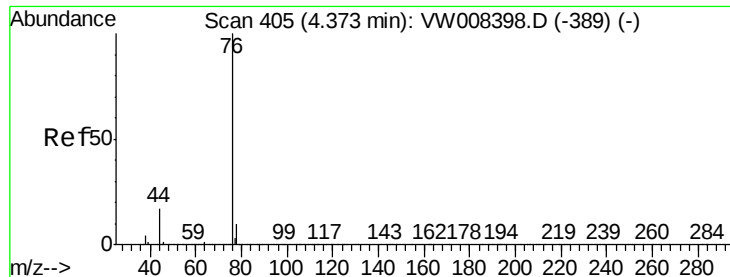
Tgt Ion: 43 Resp: 223097

Ion Ratio Lower Upper

43 100

58 29.1 22.6 34.0

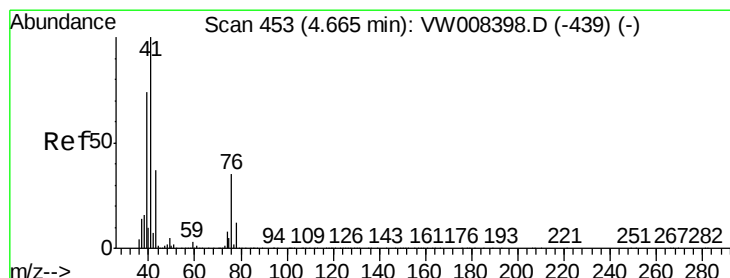
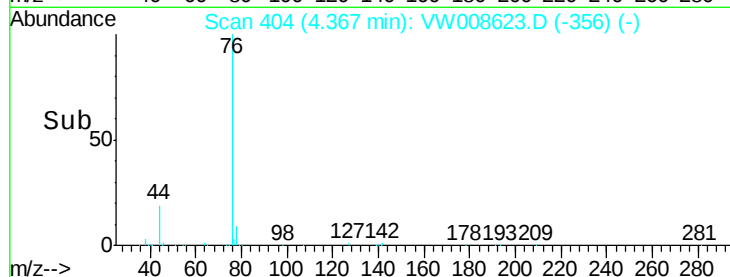
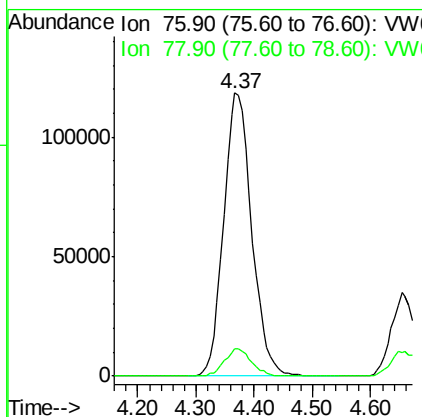
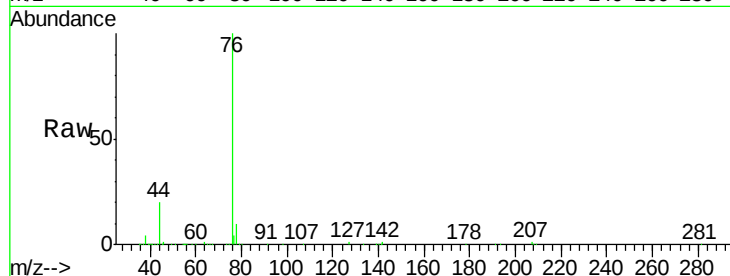




#17
Carbon Disulfide
Concen: 35.923 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

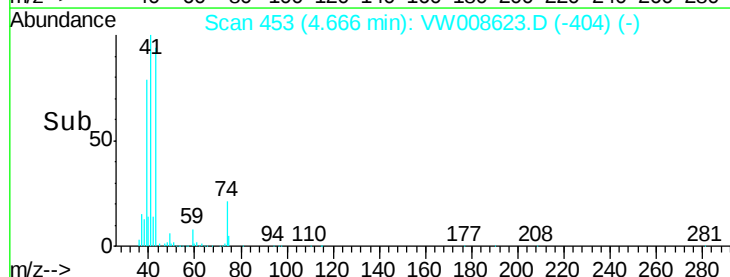
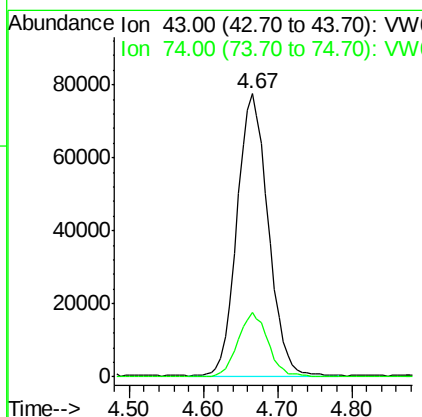
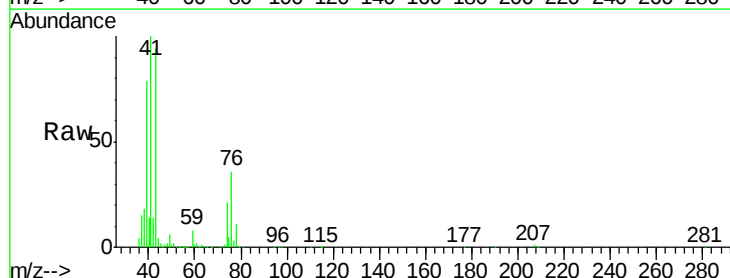
Instrument :
MSVOA_W
ClientSampleId :
K1457-11MSD

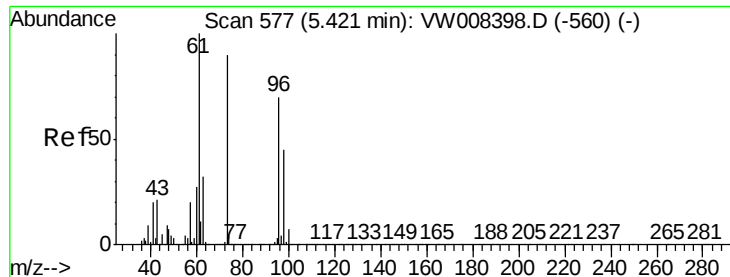
Tot Ion: 76 Resp: 397606
Ion Ratio Lower Upper
76 100
78 9.6 7.7 11.5



#18
Methyl Acetate
Concen: 102.239 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

Tgt Ion: 43 Resp: 227774
Ion Ratio Lower Upper
43 100
74 22.1 17.5 26.3

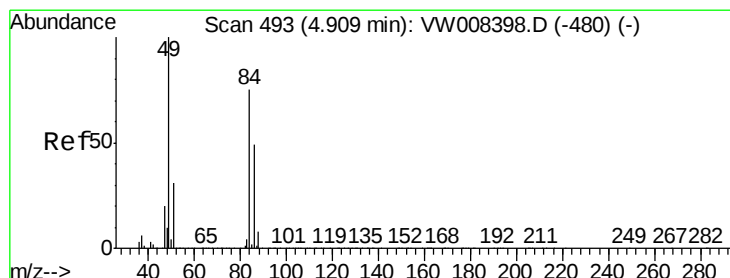
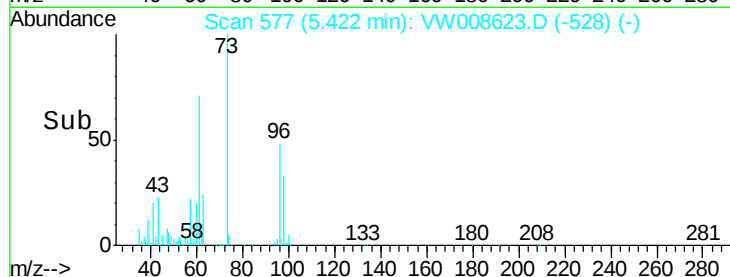
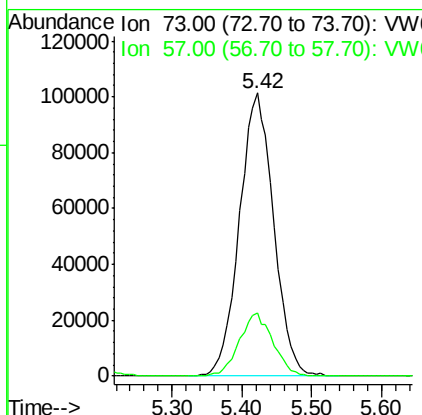
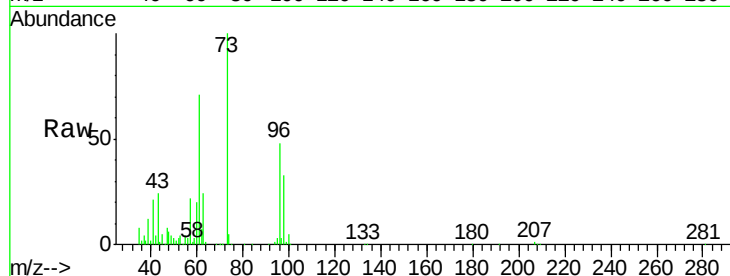




#19
Methvl tert-butvl Ether
Concen: 59.717 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

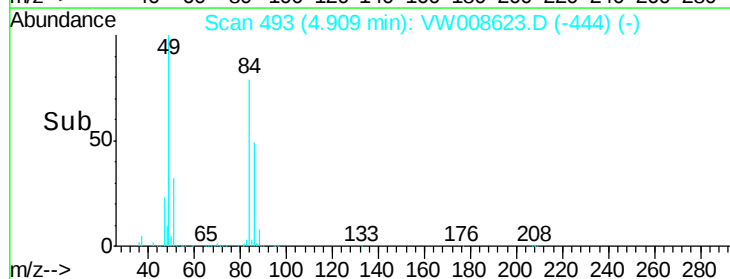
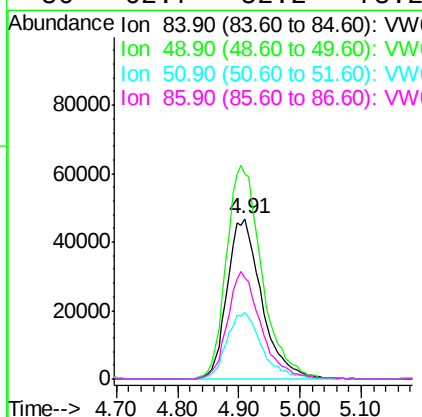
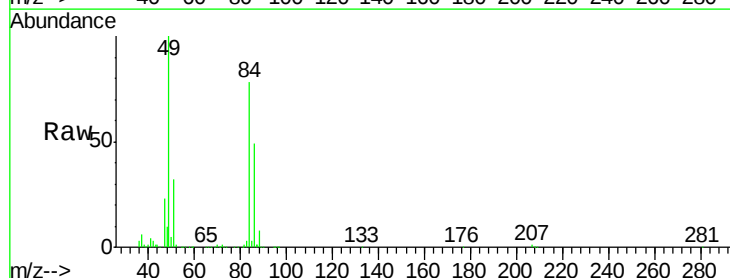
Instrument :
MSVOA_W
ClientSampleId :
K1457-11MSD

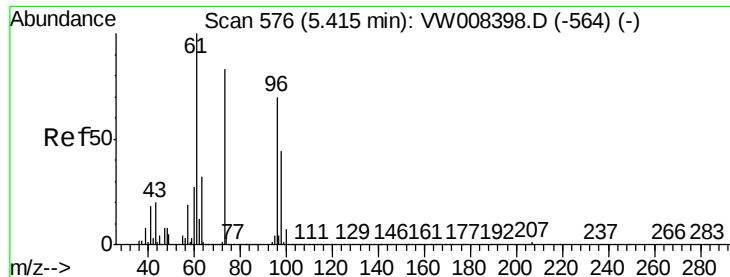
Tot Ion: 73 Resp: 342410
Ion Ratio Lower Upper
73 100
57 22.1 18.0 27.0



#20
Methylene Chloride
Concen: 47.362 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

Tgt Ion: 84 Resp: 182336
Ion Ratio Lower Upper
84 100
49 127.7 106.8 160.2
51 41.2 32.9 49.3
86 62.7 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 44.942 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

K1457-11MSD

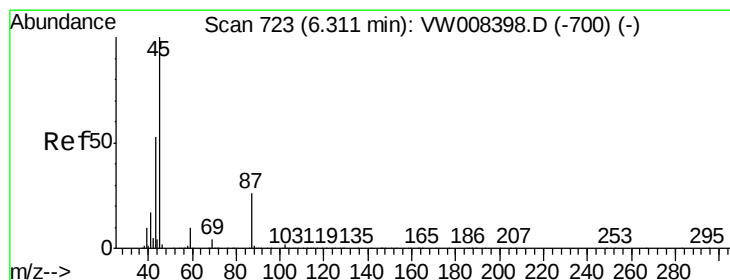
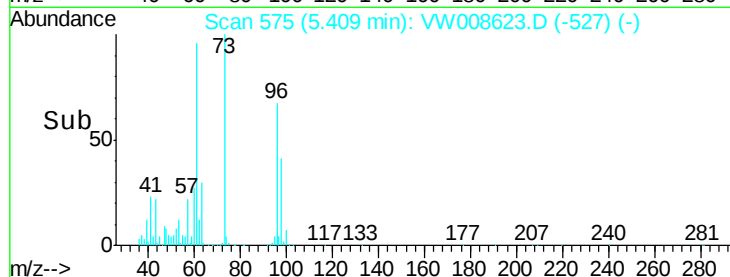
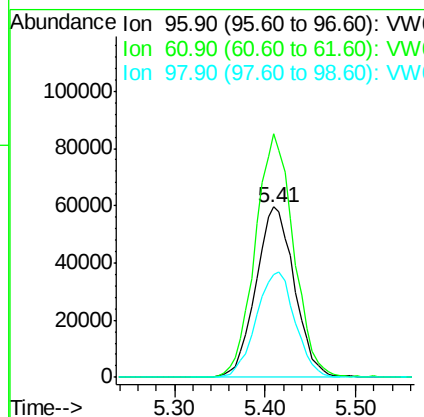
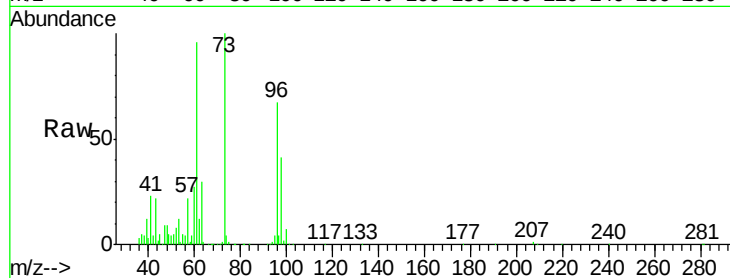
Tot Ion: 96 Resp: 175102

Ion Ratio Lower Upper

96 100

61 143.2 114.4 171.6

98 60.7 50.6 75.8



#22

Diisopropyl ether

Concen: 48.660 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Tgt Ion: 45 Resp: 606893

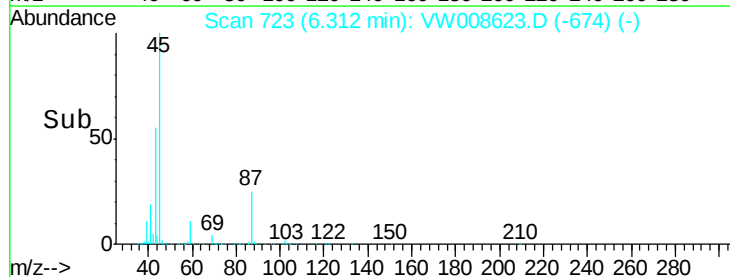
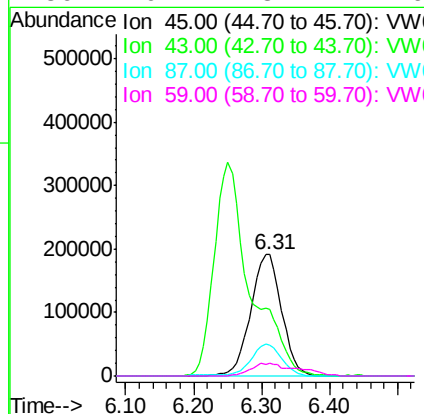
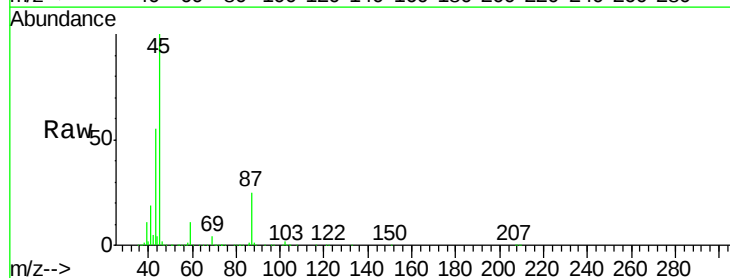
Ion Ratio Lower Upper

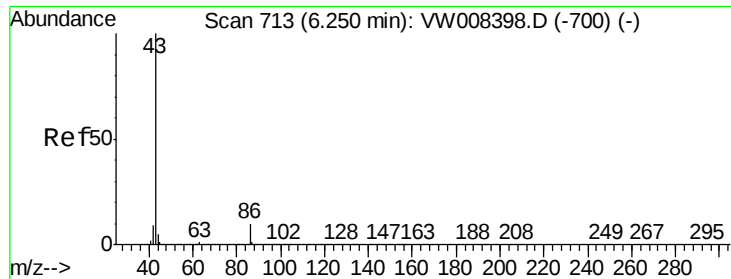
45 100

43 54.4 42.6 63.8

87 25.5 20.3 30.5

59 10.7 8.4 12.6





#23

Vinyl Acetate

Concen: 169.507 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

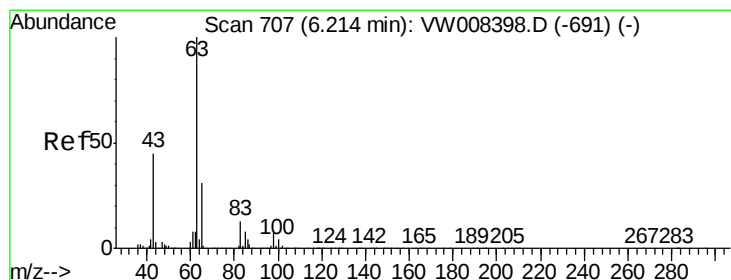
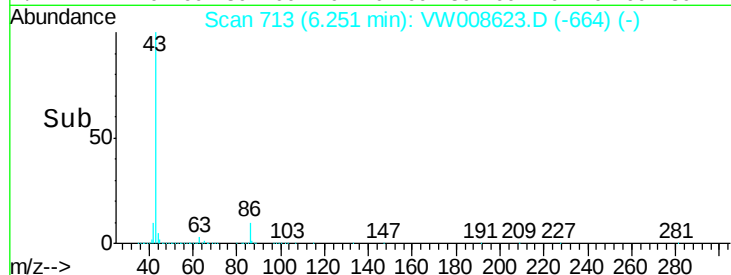
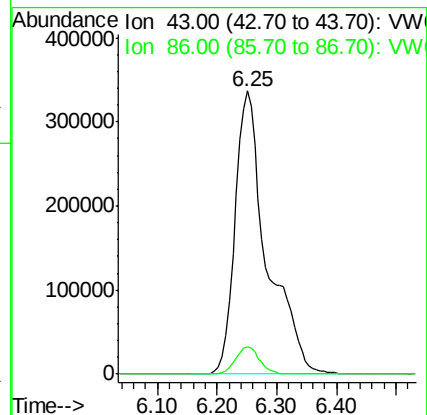
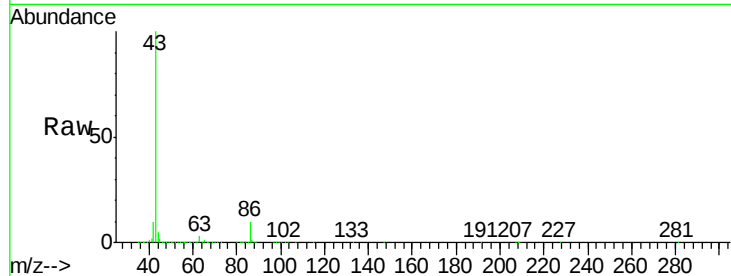
K1457-11MSD

Tot Ion: 43 Resp: 1248327

Ion Ratio Lower Upper

43 100

86 9.6 7.8 11.8



#24

1,1-Dichloroethane

Concen: 47.119 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

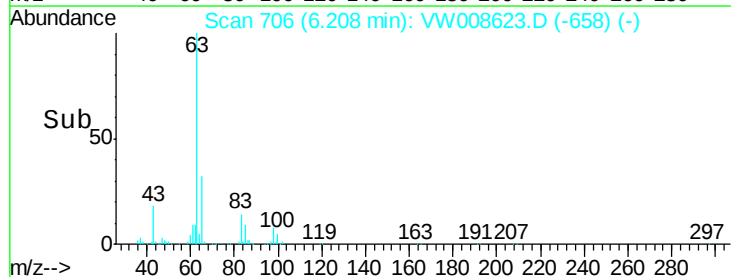
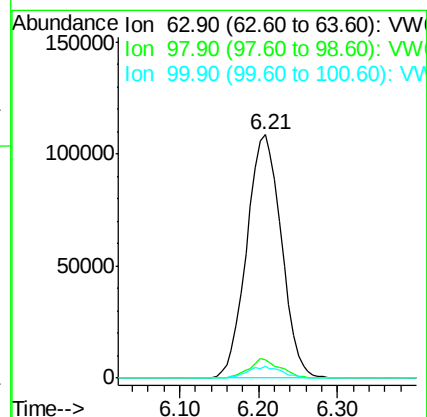
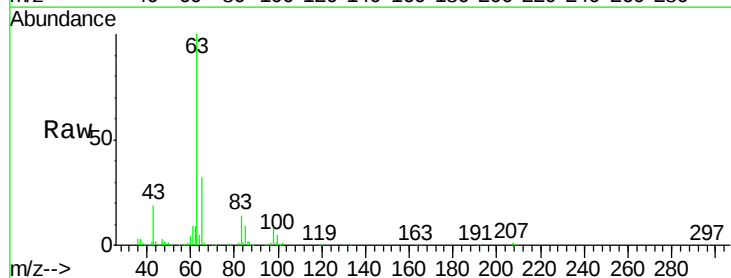
Tgt Ion: 63 Resp: 332646

Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.5

100 5.1 2.1 6.2





#25

2-Butanone

Concen: 310.486 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

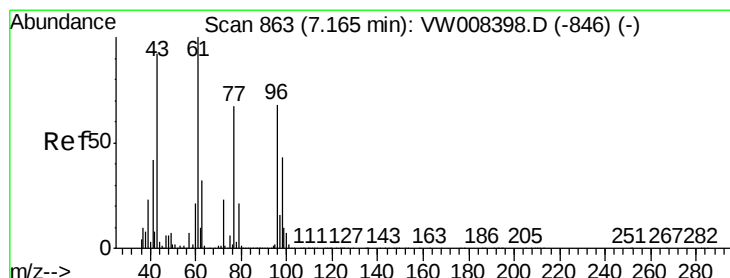
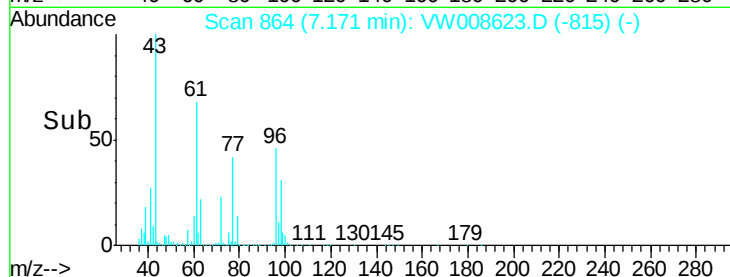
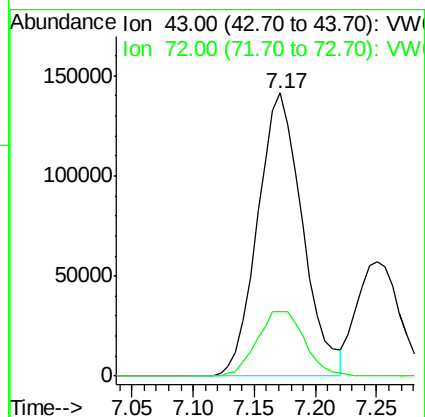
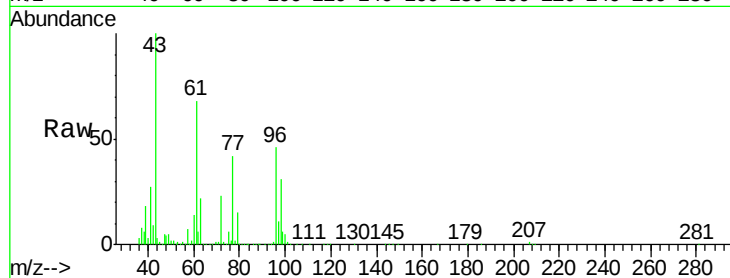
K1457-11MSD

Tot Ion: 43 Resp: 360222

Ion Ratio Lower Upper

43 100

72 23.0 20.1 30.1



#26

2,2-Dichloropropane

Concen: 44.221 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008623.D

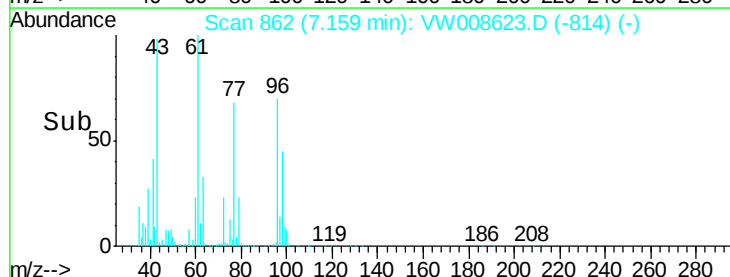
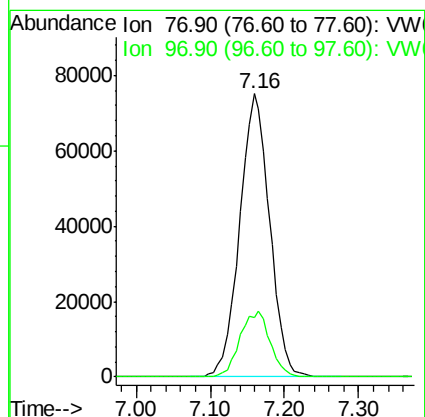
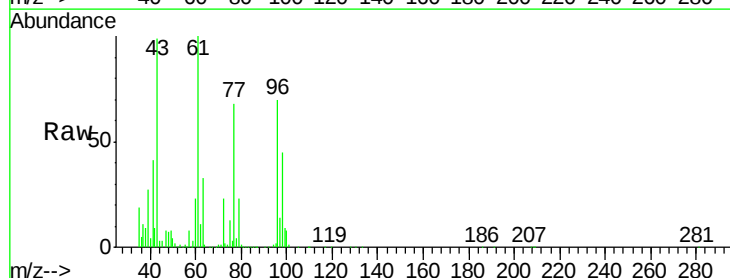
Acq: 12 Feb 2019 15:24

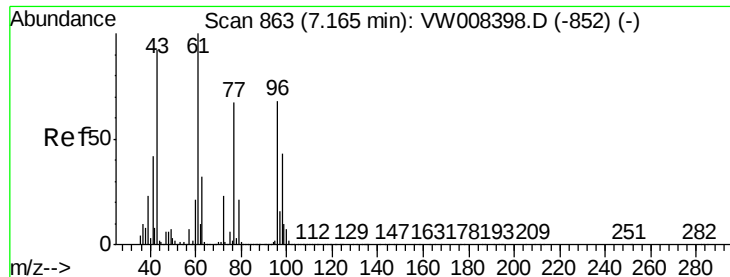
Tgt Ion: 77 Resp: 211019

Ion Ratio Lower Upper

77 100

97 23.5 11.5 34.5



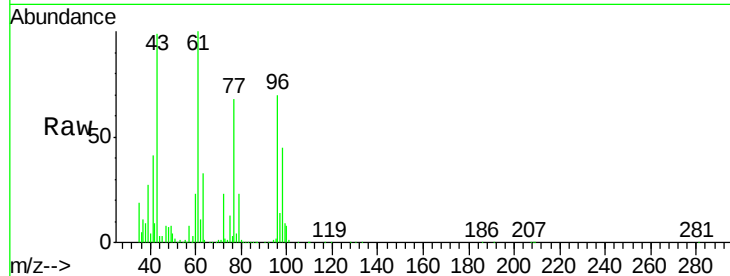


#27

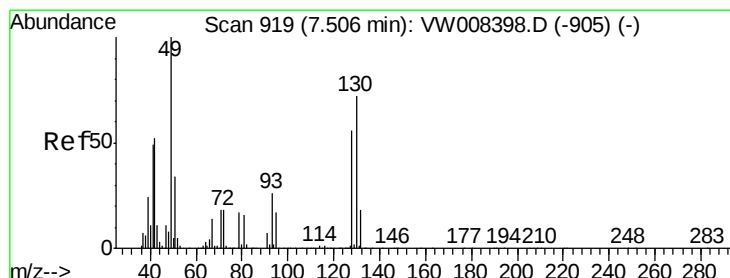
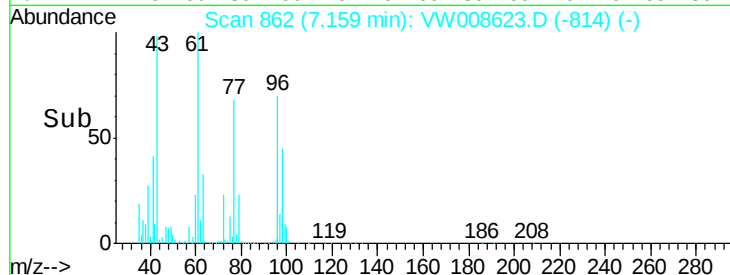
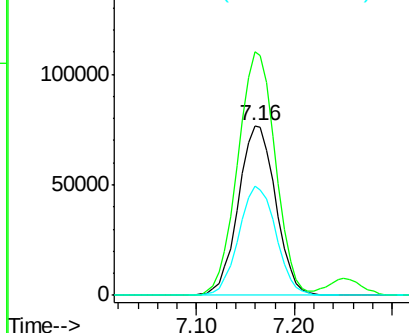
cis-1,2-Dichloroethene
Concen: 47.797 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

Instrument :
MSVOA_W
ClientSampleId :
K1457-11MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.2	0.0	292.8
98	64.3	0.0	129.2



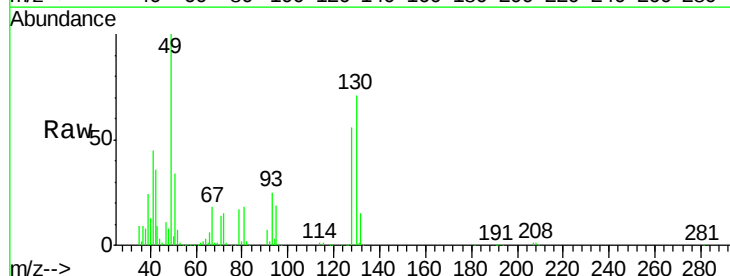
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



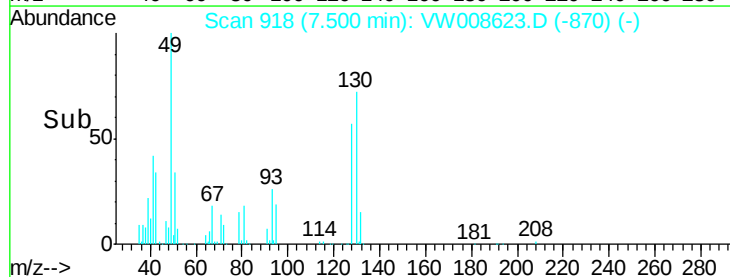
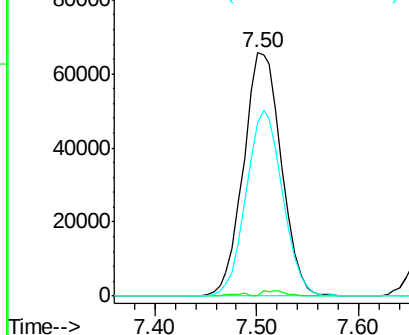
#28

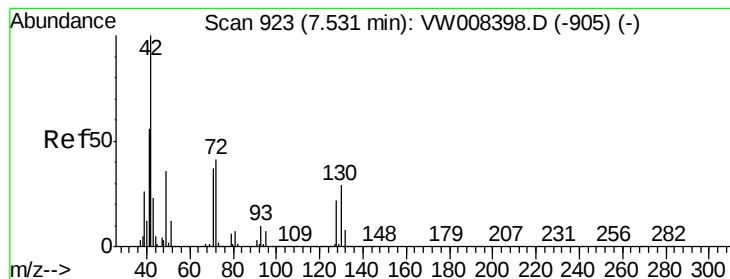
Bromochloromethane
Concen: 52.450 ug/l
RT: 7.50 min Scan# 918
Delta R.T. -0.01 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	4.6
130	73.4	58.6	87.8



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





#29

Tetrahydrofuran

Concen: 321.112 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

K1457-11MSD

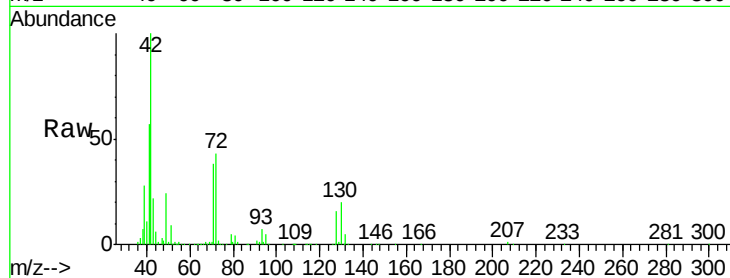
Tot Ion: 42 Resp: 236085

Ion Ratio Lower Upper

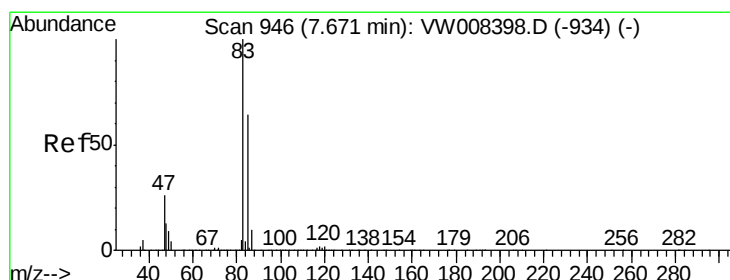
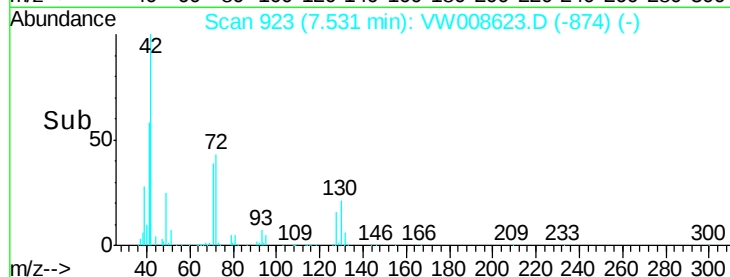
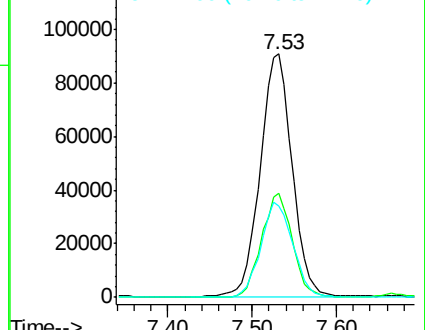
42 100

72 41.2 31.9 47.9

71 39.6 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: 50.307 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW008623.D

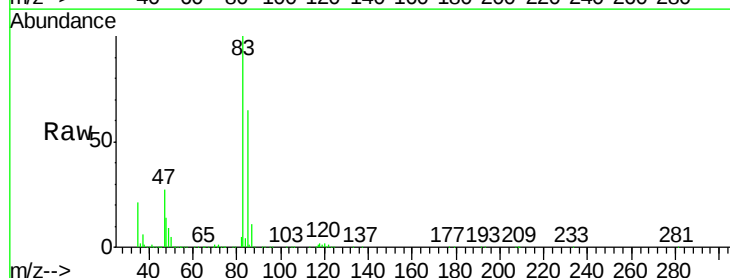
Acq: 12 Feb 2019 15:24

Tgt Ion: 83 Resp: 349322

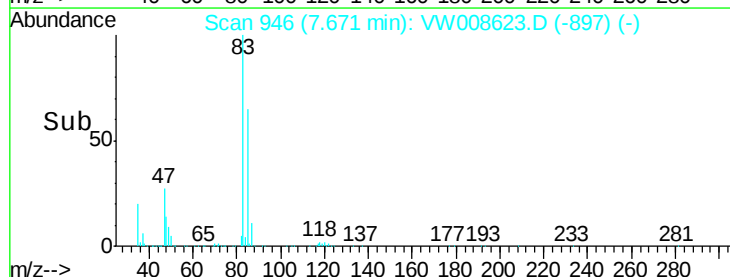
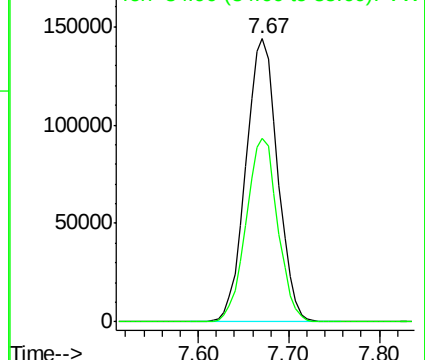
Ion Ratio Lower Upper

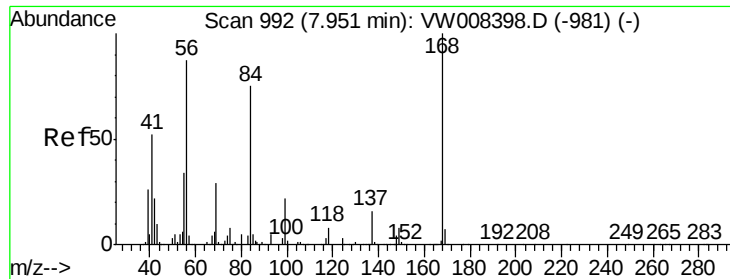
83 100

85 64.7 50.9 76.3



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

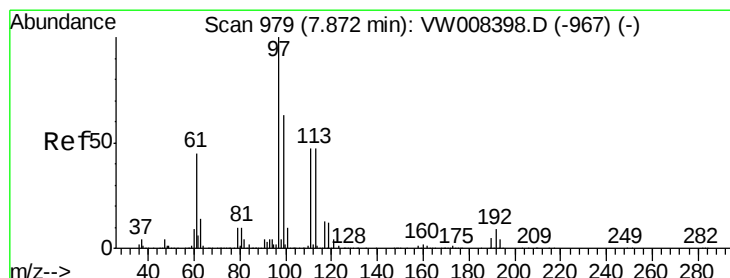
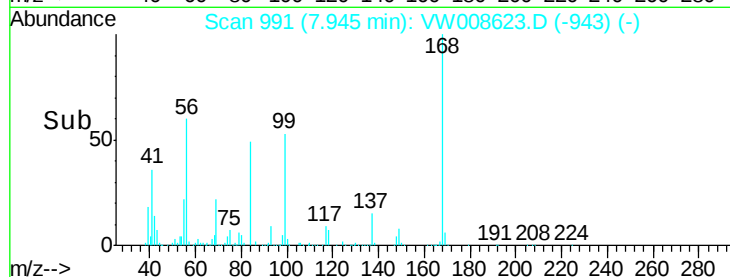
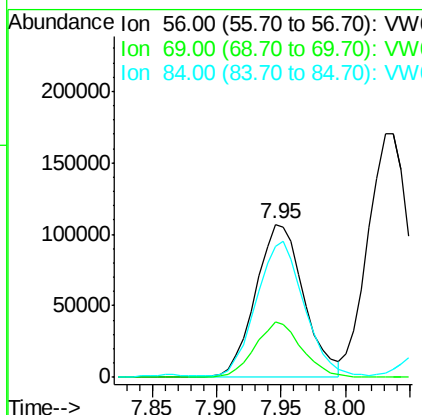
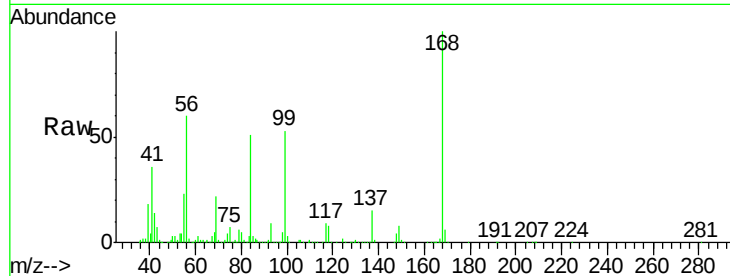




#31
Cyclohexane
Concen: 38.135 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

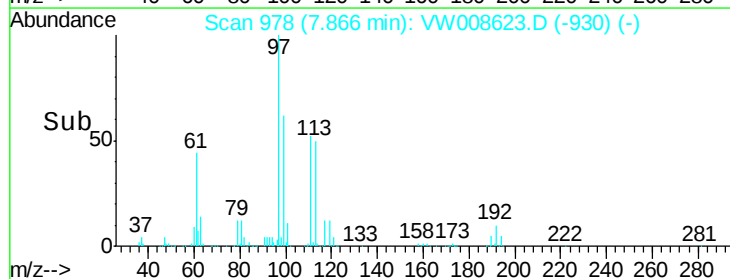
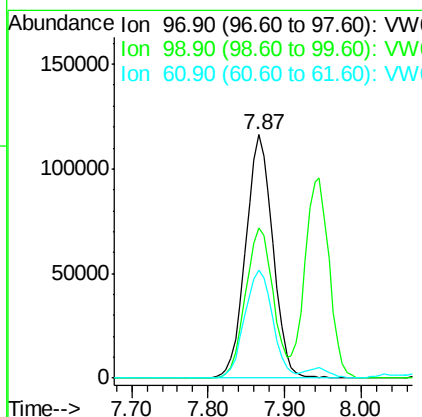
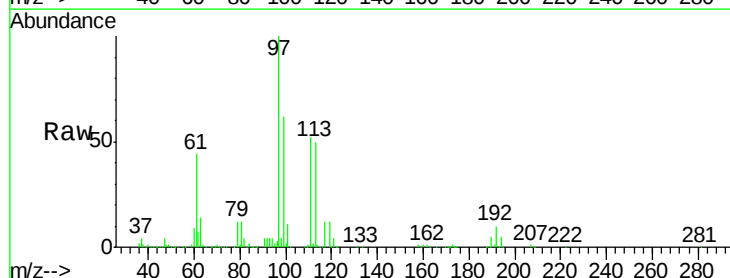
Instrument :
MSVOA_W
ClientSampled :
K1457-11MSD

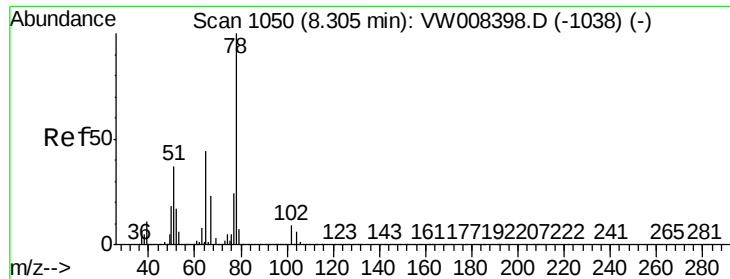
Tot Ion: 56 Resp: 278380
Ion Ratio Lower Upper
56 100
69 36.2 26.4 39.6
84 84.3 69.1 103.7



#32
1,1,1-Trichloroethane
Concen: 47.954 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

Tgt Ion: 97 Resp: 287608
Ion Ratio Lower Upper
97 100
99 62.6 51.3 76.9
61 45.6 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 61.365 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

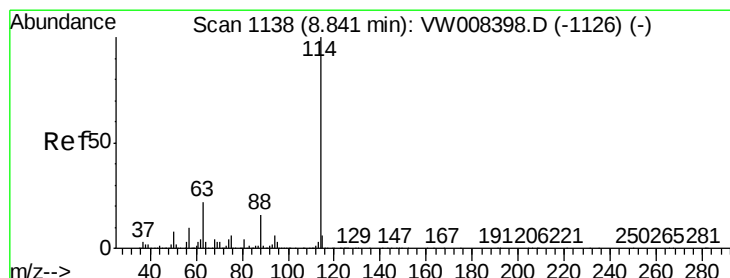
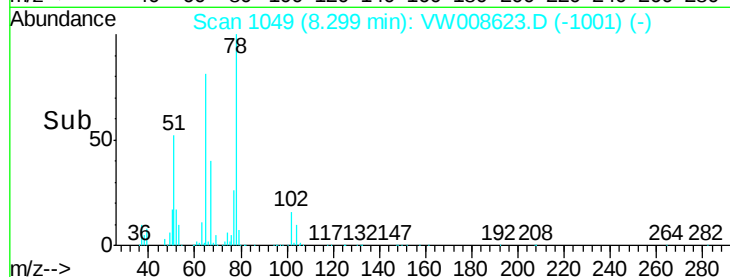
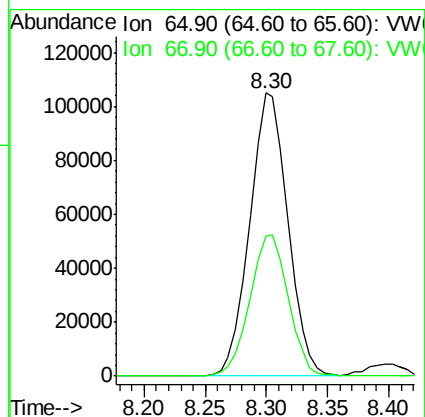
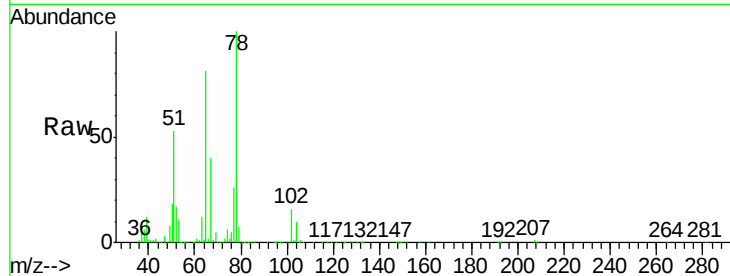
K1457-11MSD

Tot Ion: 65 Resp: 228252

Ion Ratio Lower Upper

65 100

67 50.2 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

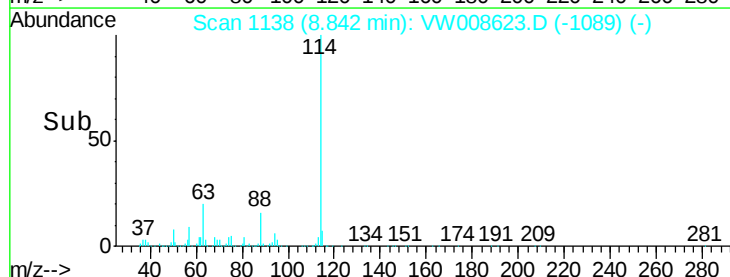
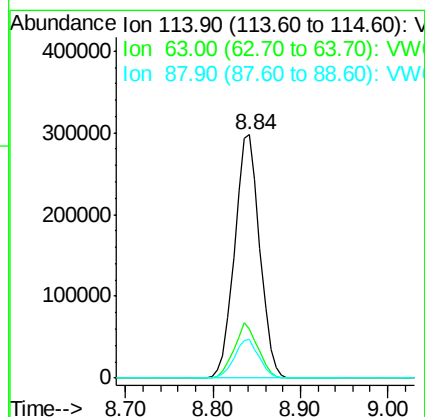
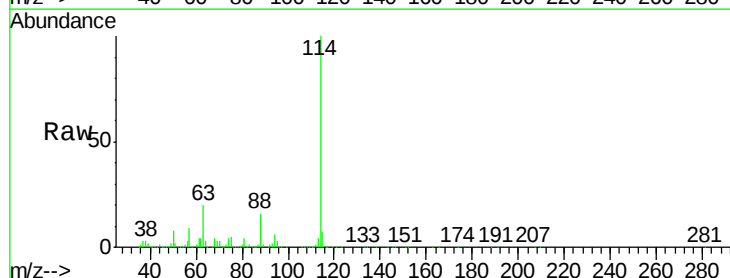
Tgt Ion: 114 Resp: 594470

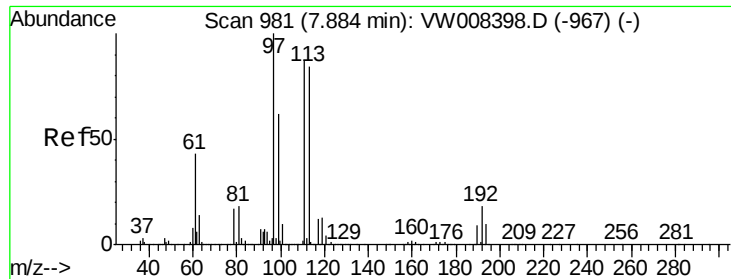
Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.6

88 16.2 0.0 31.8

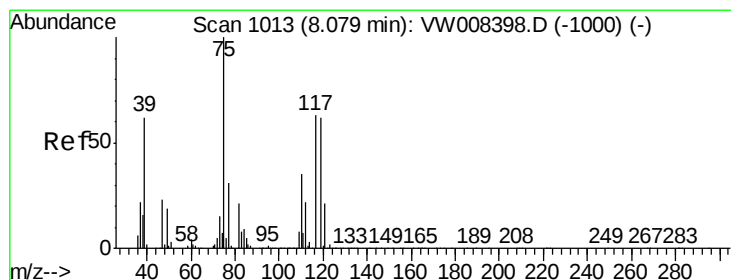
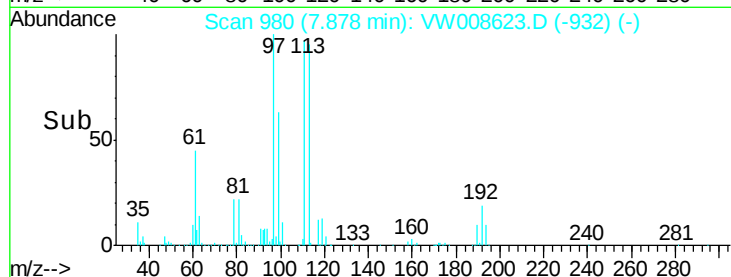
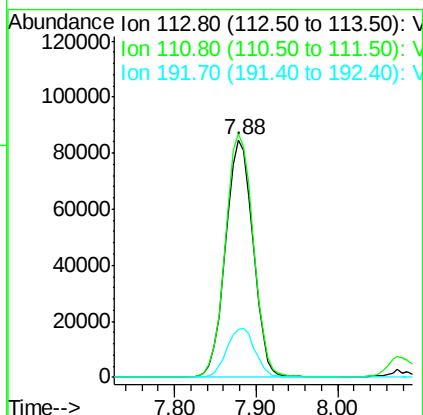
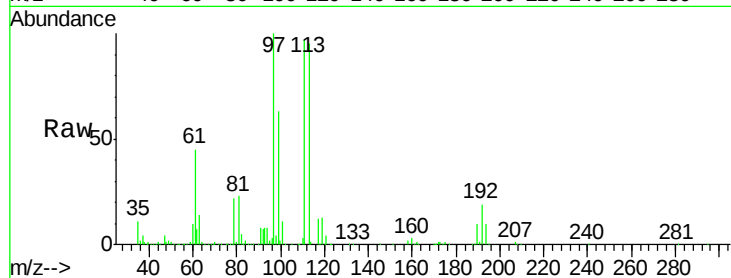




#35
 Dibromofluoromethane
 Concen: 56.818 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008623.D
 Acq: 12 Feb 2019 15:24

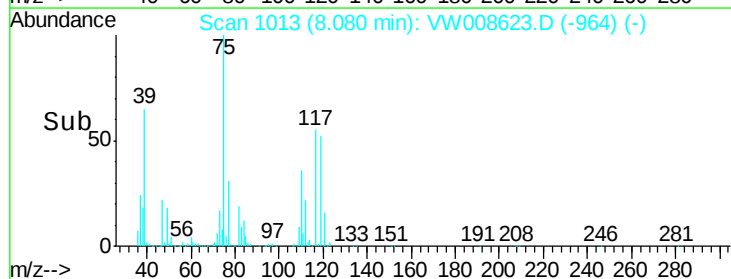
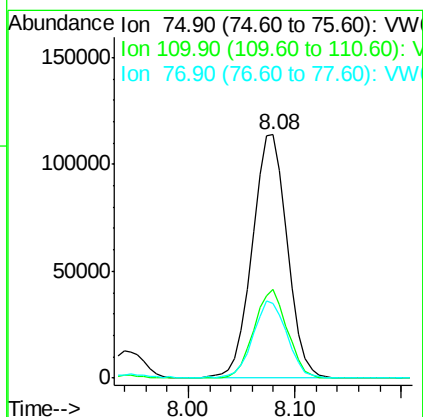
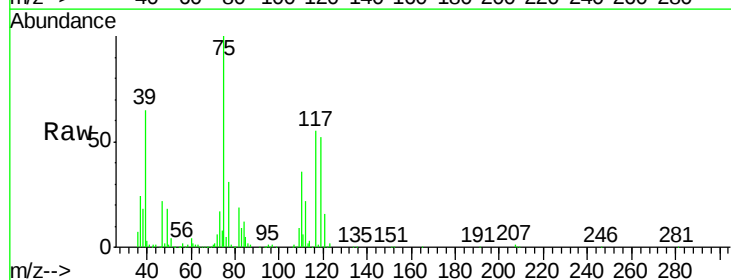
Instrument :
 MSVOA_W
 ClientSampleId :
 K1457-11MSD

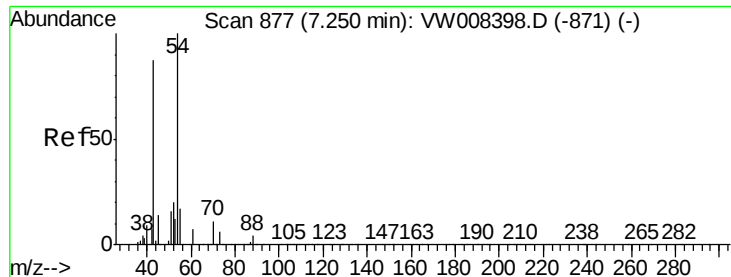
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.0	121.4
192	21.2	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 46.520 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008623.D
 Acq: 12 Feb 2019 15:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.3	52.0
77	31.2	24.7	37.1

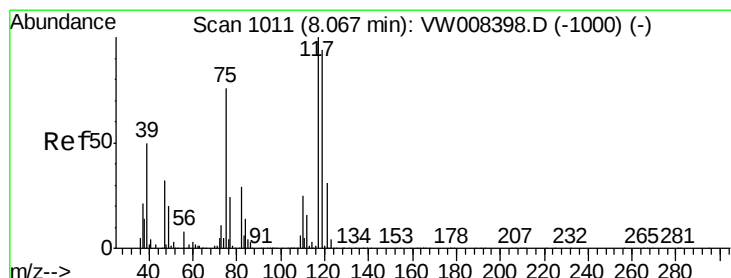
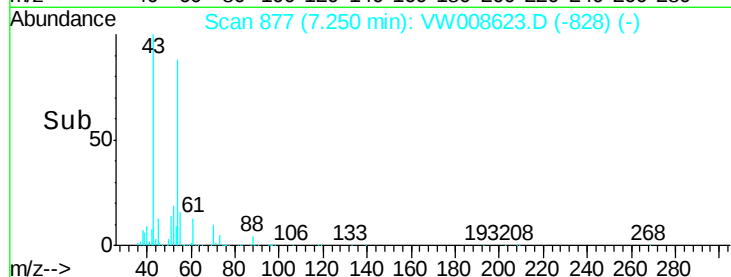
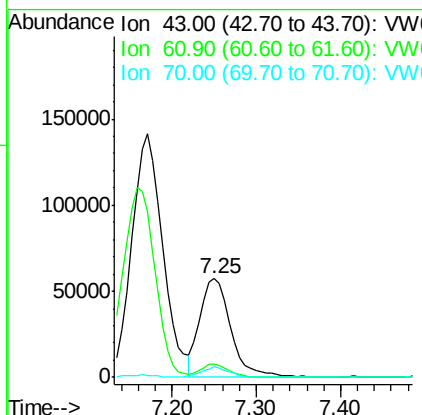
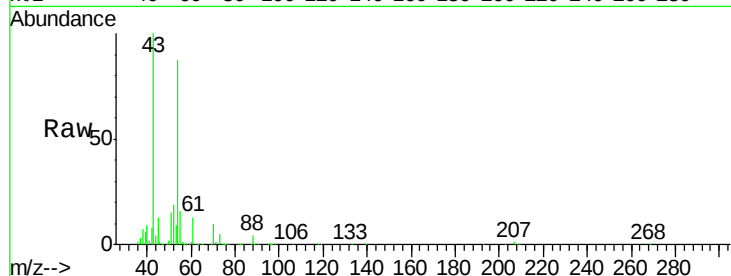




#37
Ethyl Acetate
Concen: 58.292 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

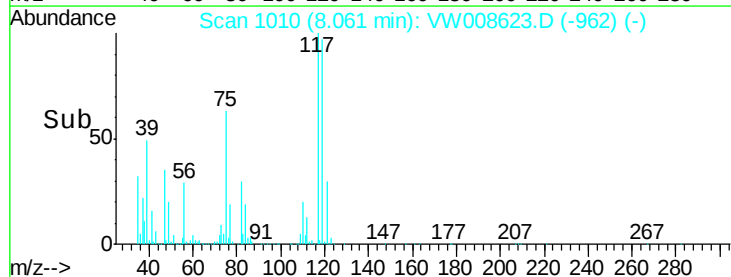
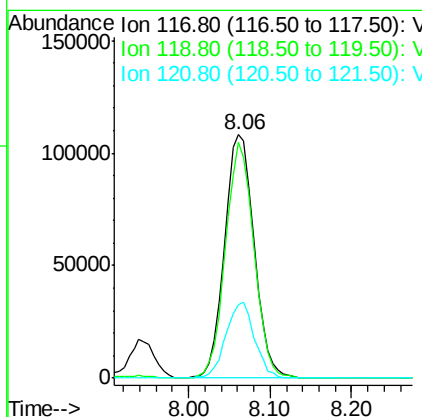
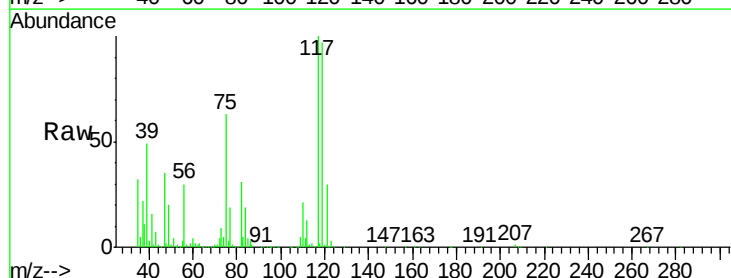
Instrument :
MSVOA_W
ClientSampleId :
K1457-11MSD

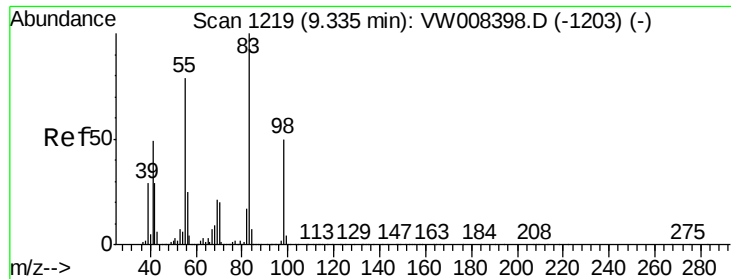
Tot Ion: 43 Resp: 144822
Ion Ratio Lower Upper
43 100
61 12.5 10.1 15.1
70 9.8 7.8 11.6



#38
Carbon Tetrachloride
Concen: 47.997 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

Tgt Ion: 117 Resp: 271218
Ion Ratio Lower Upper
117 100
119 97.1 75.0 112.4
121 29.9 24.9 37.3

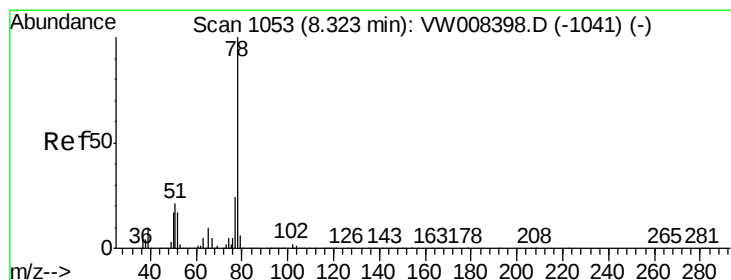
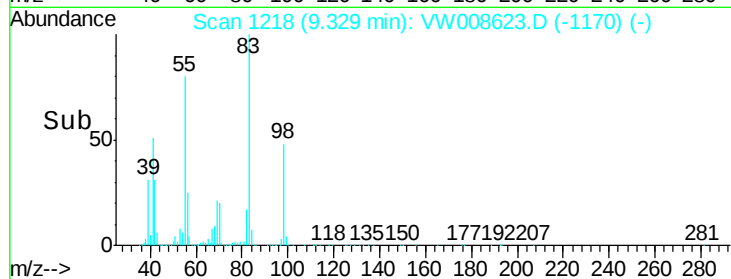
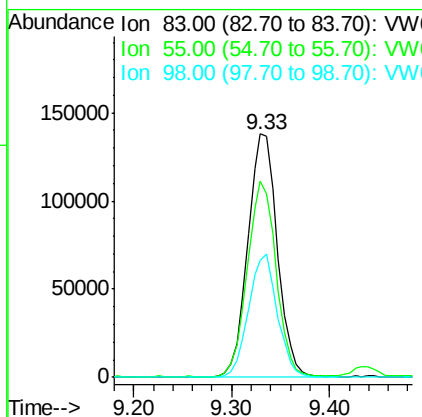
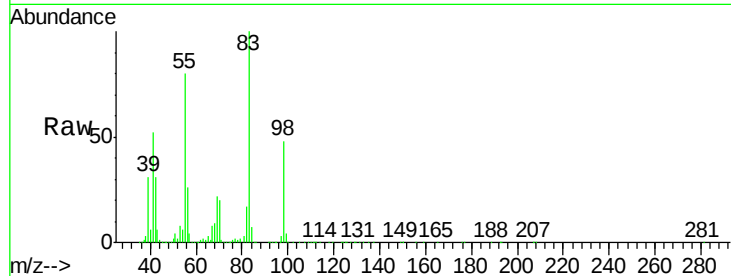




#39
Methvlcvclohexane
Concen: 39.228 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

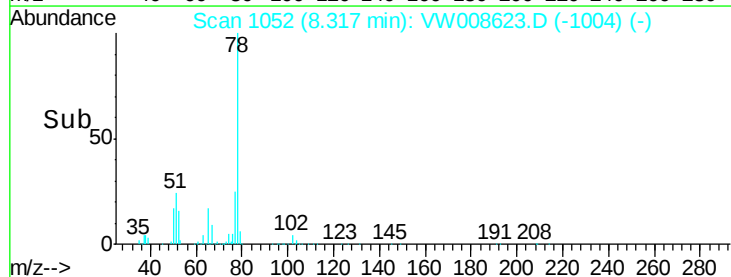
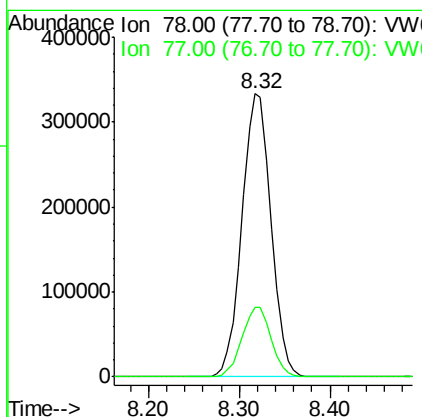
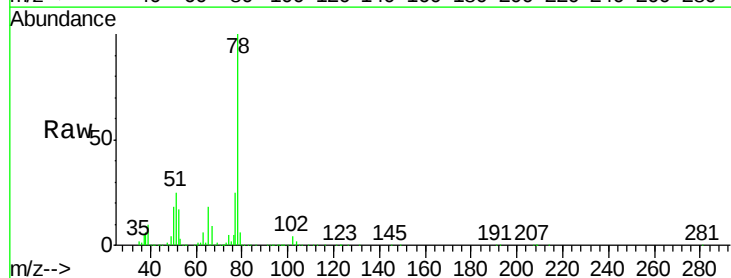
Instrument :
MSVOA_W
ClientSampleId :
K1457-11MSD

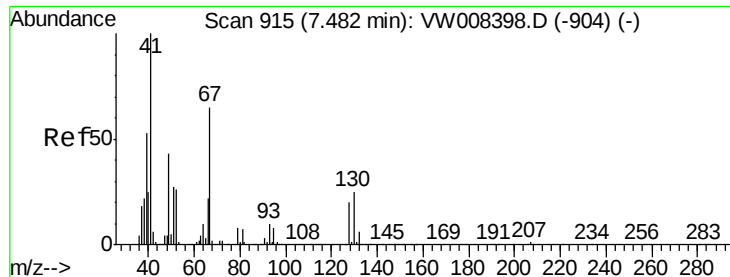
Tot Ion	83	Resp	289380
Ion Ratio	Lower	Upper	
83	100		
55	80.0	63.3	94.9
98	48.1	39.7	59.5



#40
Benzene
Concen: 47.347 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

Tgt Ion	78	Resp	737769
Ion Ratio	Lower	Upper	
78	100		
77	24.7	19.0	28.6

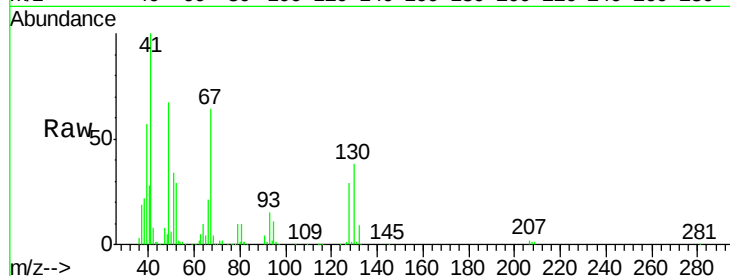




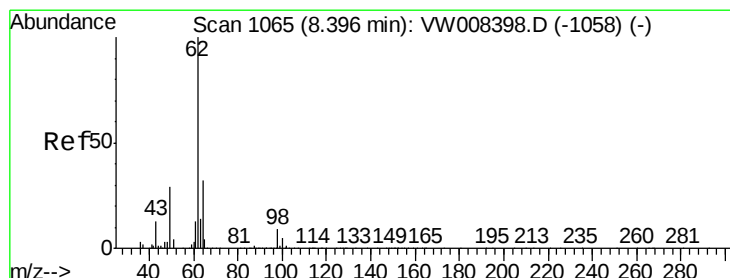
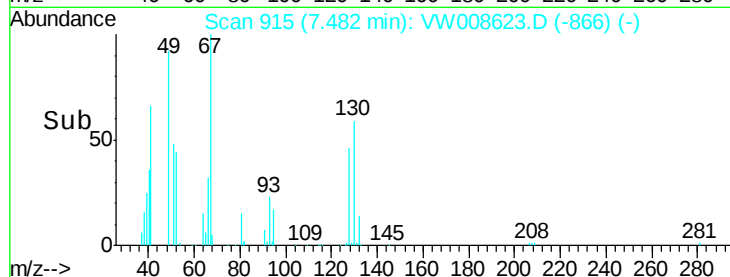
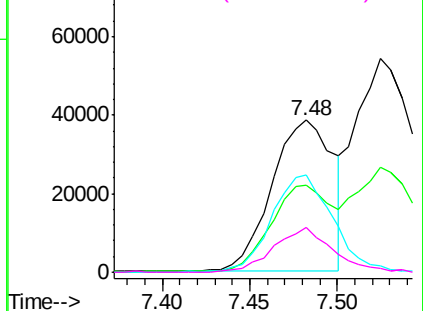
#41
Methacrylonitrile
Concen: 64.030 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

Instrument :
MSVOA_W
ClientSampleId :
K1457-11MSD

Tot Ion:	41	Resp:	94192
Ion	Ratio	Lower	Upper
41	100		
39	56.7	43.4	65.0
67	65.3	54.2	81.2
52	28.9	22.9	34.3

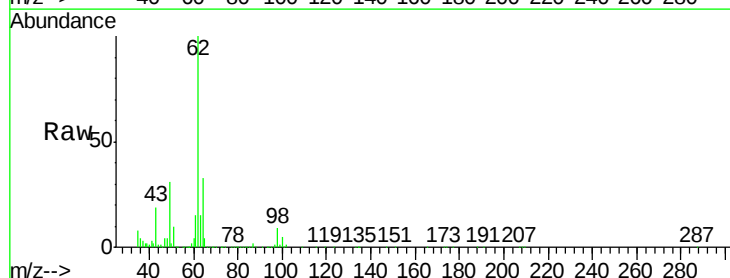


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

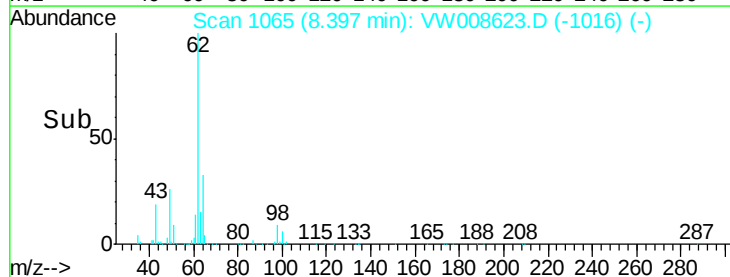
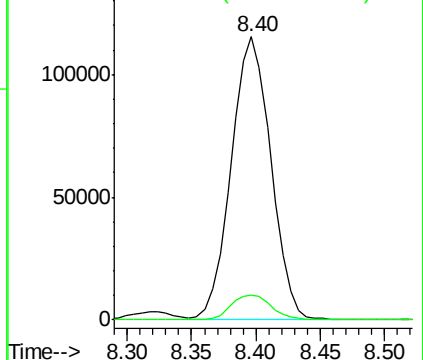


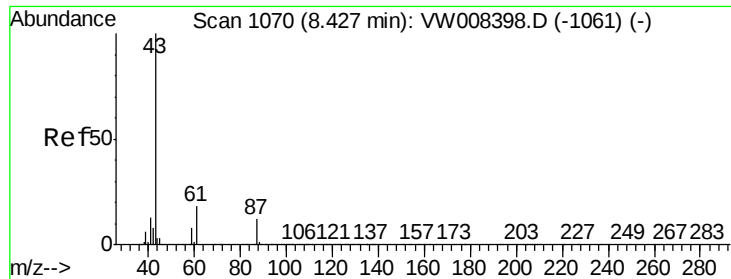
#42
1,2-Dichloroethane
Concen: 54.468 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

Tgt Ion:	62	Resp:	245960
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 59.407 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

K1457-11MSD

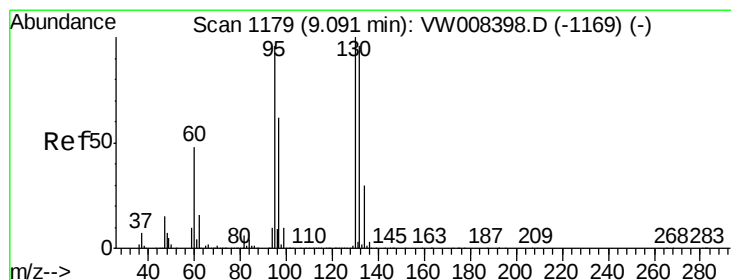
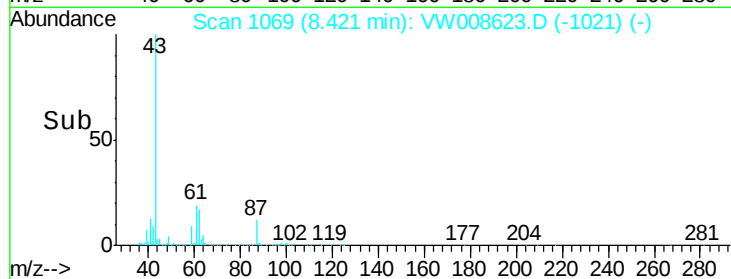
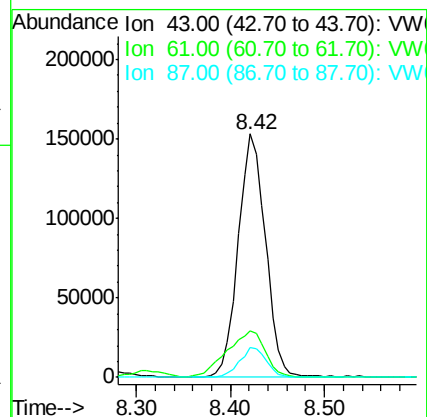
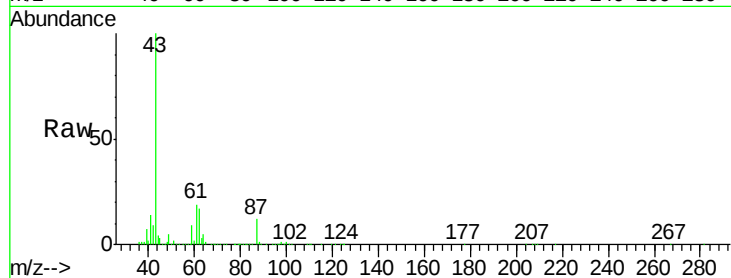
Tot Ion: 43 Resp: 306629

Ion Ratio Lower Upper

43 100

61 27.0 22.0 33.0

87 12.1 9.3 13.9



#44

Trichloroethene

Concen: 46.965 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW008623.D

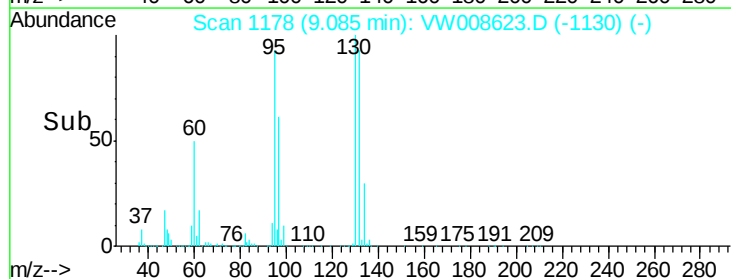
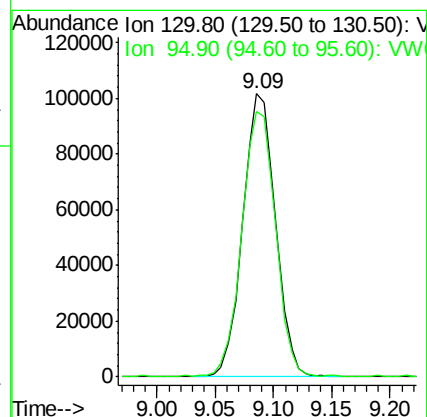
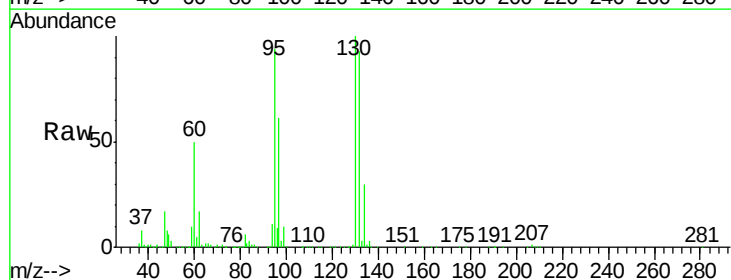
Acq: 12 Feb 2019 15:24

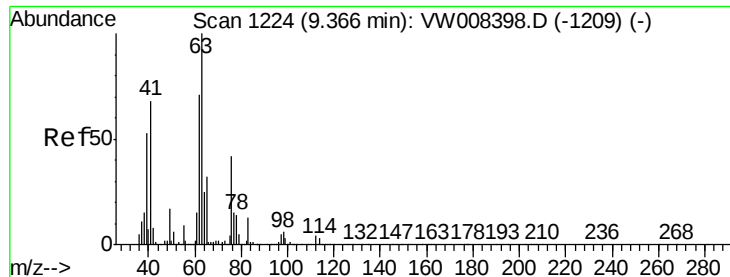
Tgt Ion: 130 Resp: 199003

Ion Ratio Lower Upper

130 100

95 93.5 0.0 191.6





#45

1,2-Dichloropropane

Concen: 49.178 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampled :

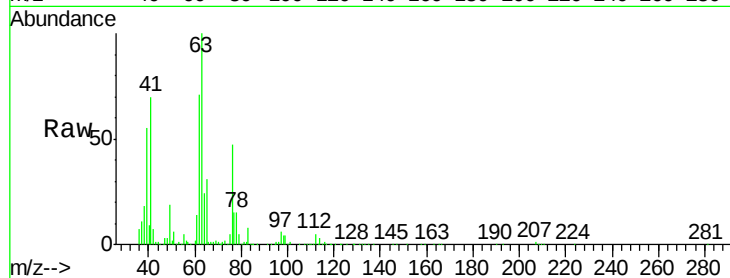
K1457-11MSD

Tot Ion: 63 Resp: 191066

Ion Ratio Lower Upper

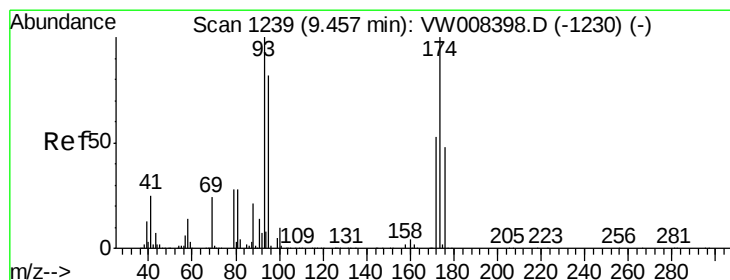
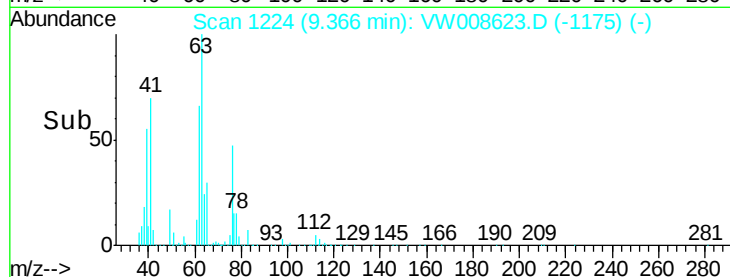
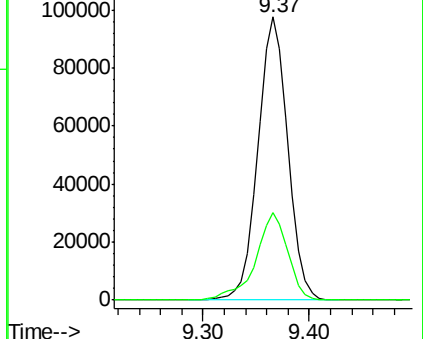
63 100

65 30.7 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 55.451 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

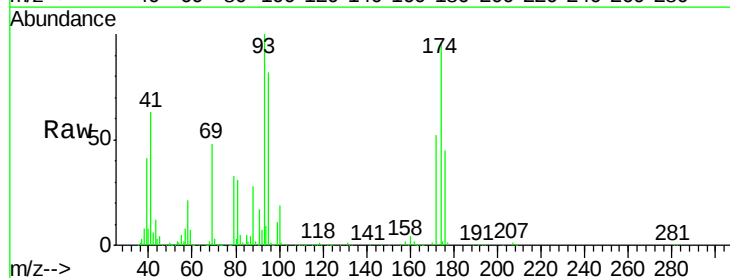
Tgt Ion: 93 Resp: 110808

Ion Ratio Lower Upper

93 100

95 80.9 65.9 98.9

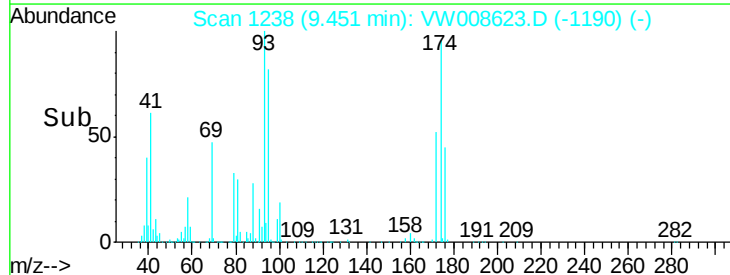
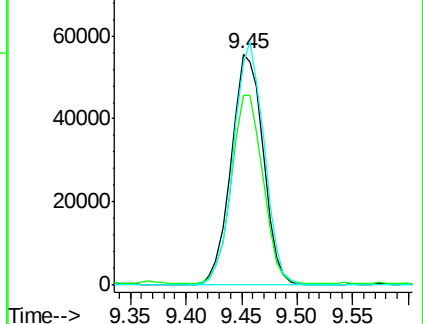
174 100.9 81.0 121.6

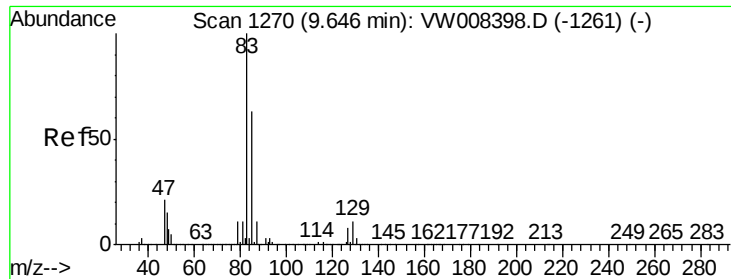


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

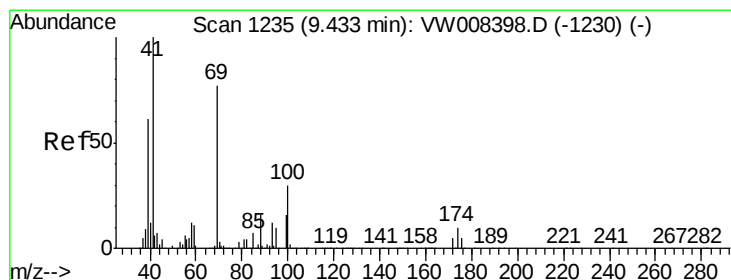
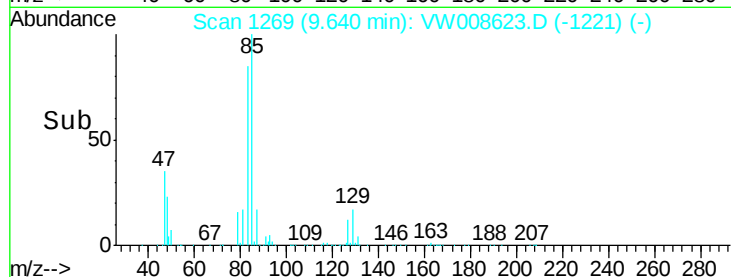
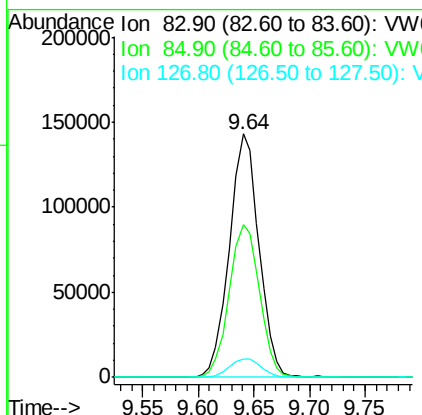
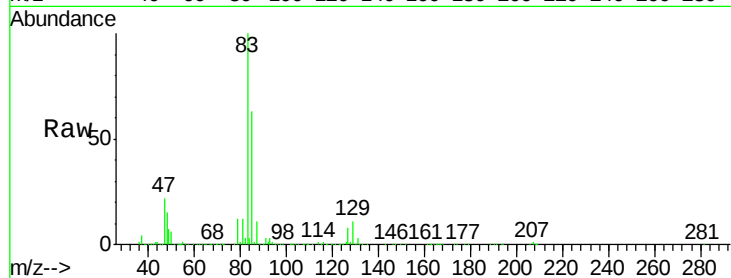




#47
Bromodichloromethane
Concen: 49.828 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

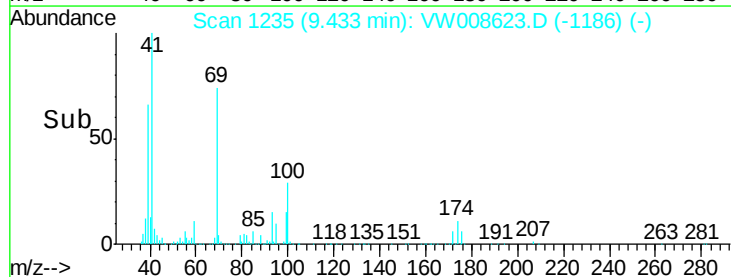
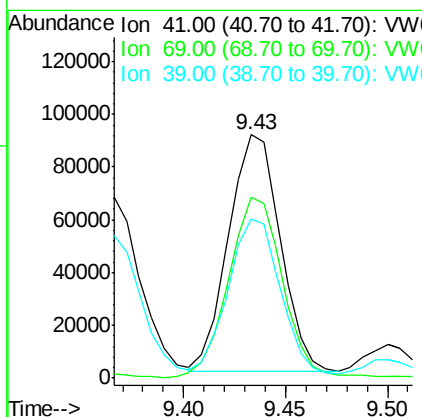
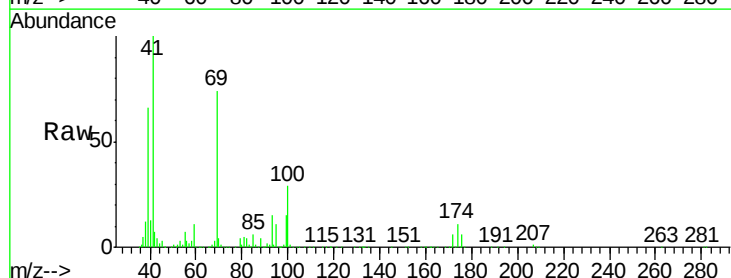
Instrument :
MSVOA_W
ClientSampleId :
K1457-11MSD

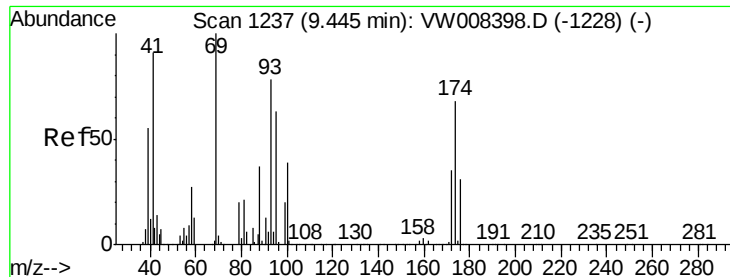
Tot Ion	83	Resp	263367
Ion Ratio	100		
Lower	50.8		
Upper	76.2		
85	62.7		
127	7.7		
	6.8		
	10.2		



#48
Methyl methacrylate
Concen: 62.870 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

Tgt Ion	41	Resp	158670
Ion Ratio	100		
Lower	64.8		
Upper	97.2		
69	78.5		
39	68.8		
	49.1		
	73.7		





#49

1,4-Dioxane

Concen: 1071.213 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

K1457-11MSD

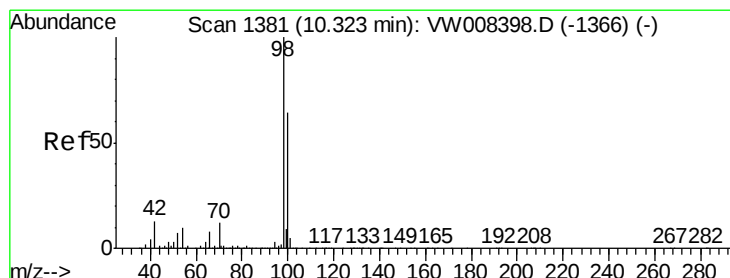
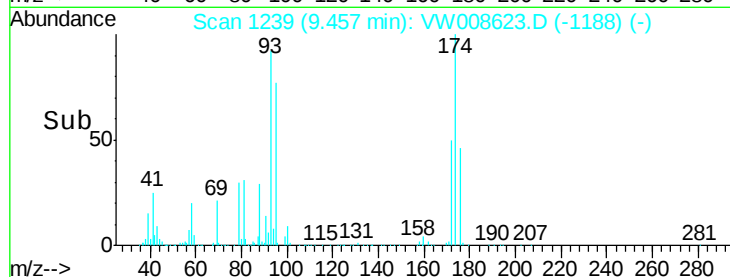
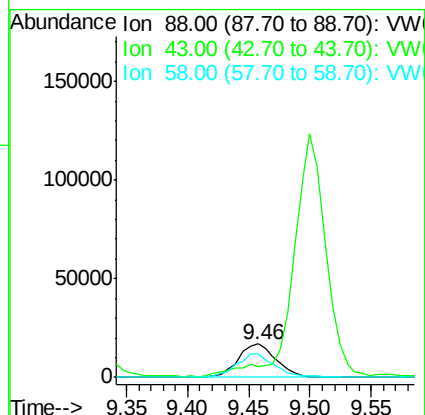
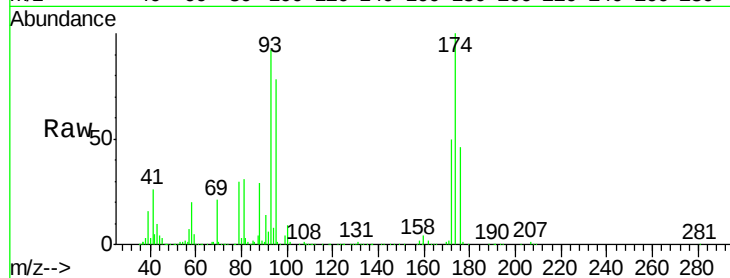
Tot Ion: 88 Resp: 36183

Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

58 73.5 56.4 84.6



#50

Toluene-d8

Concen: 54.023 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008623.D

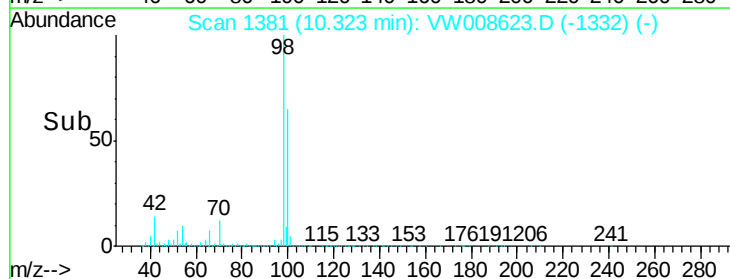
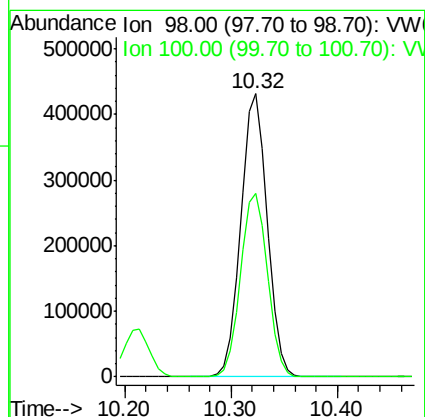
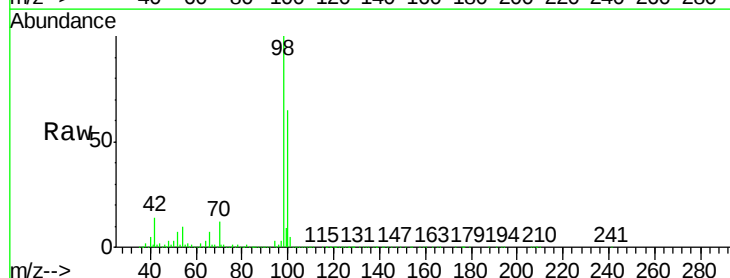
Acq: 12 Feb 2019 15:24

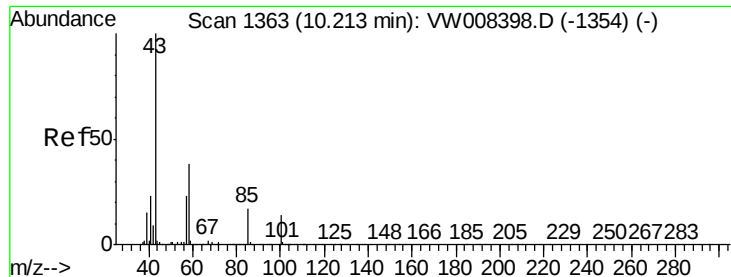
Tgt Ion: 98 Resp: 753042

Ion Ratio Lower Upper

98 100

100 66.2 52.6 78.8

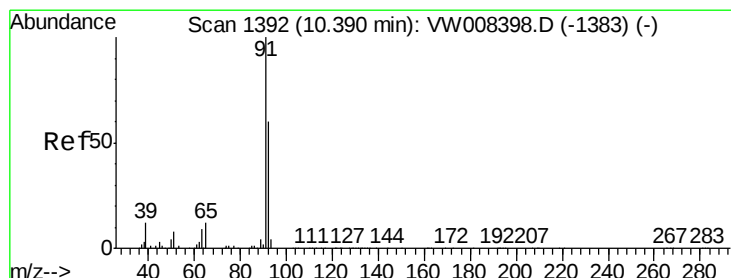
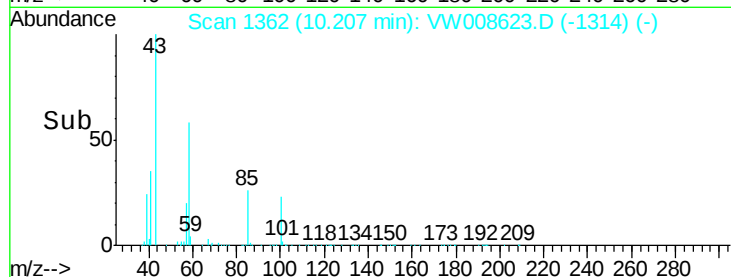
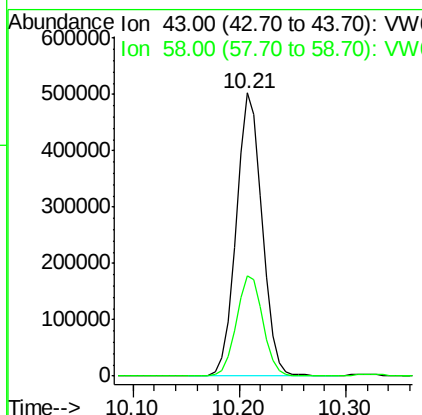
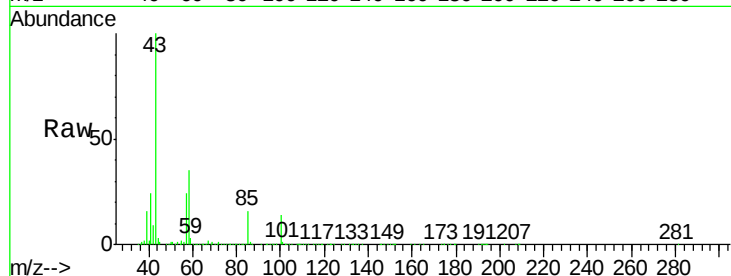




#51
4-Methyl-2-Pentanone
Concen: 334.956 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

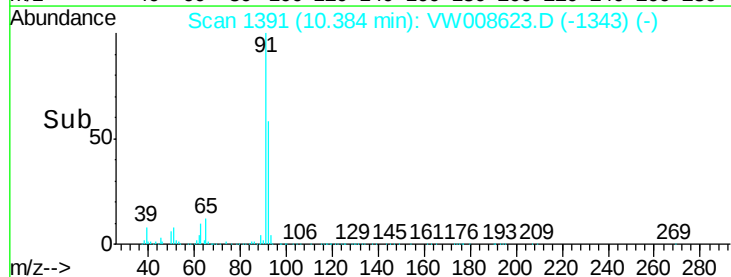
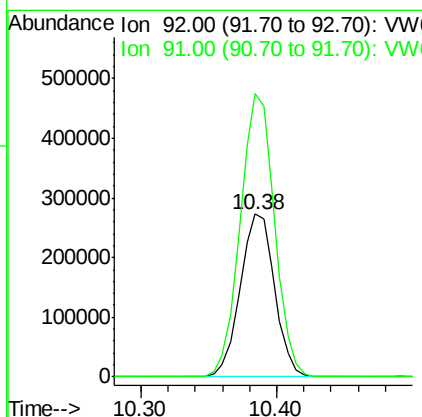
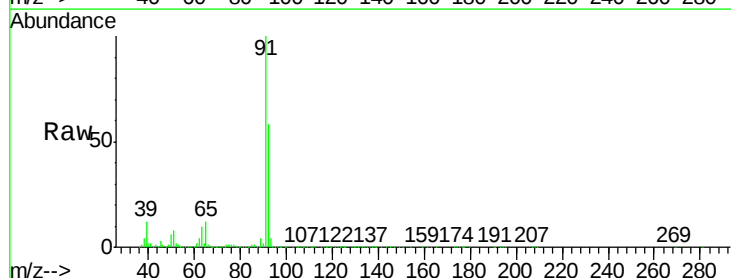
Instrument :
MSVOA_W
ClientSampleId :
K1457-11MSD

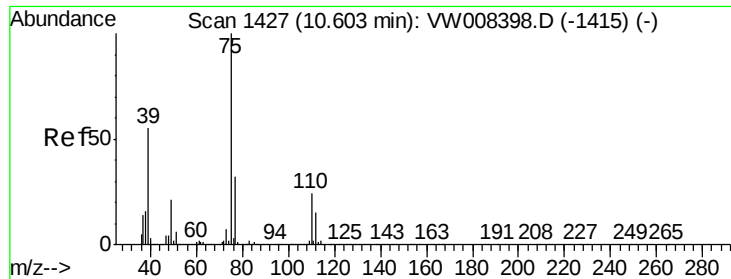
Tot Ion: 43 Resp: 854113
Ion Ratio Lower Upper
43 100
58 36.4 29.7 44.5



#52
Toluene
Concen: 46.648 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

Tgt Ion: 92 Resp: 479823
Ion Ratio Lower Upper
92 100
91 173.3 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 51.268 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

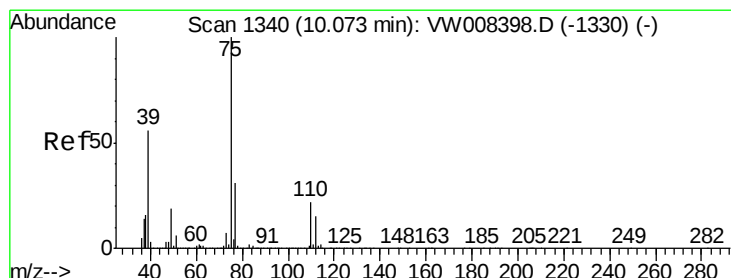
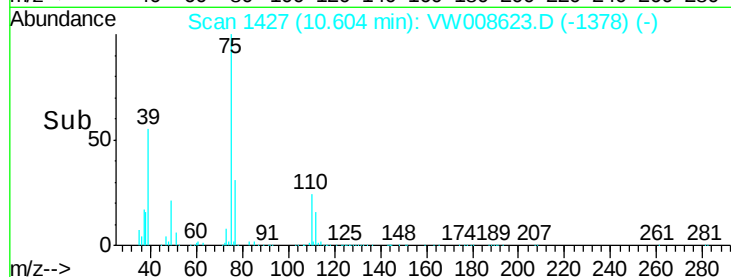
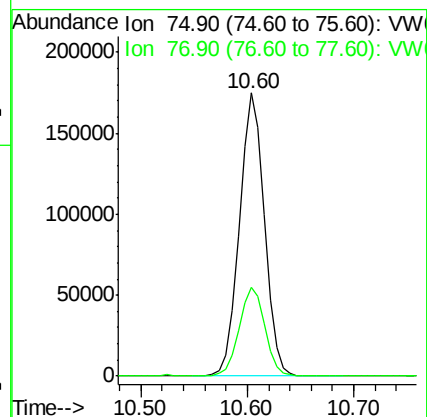
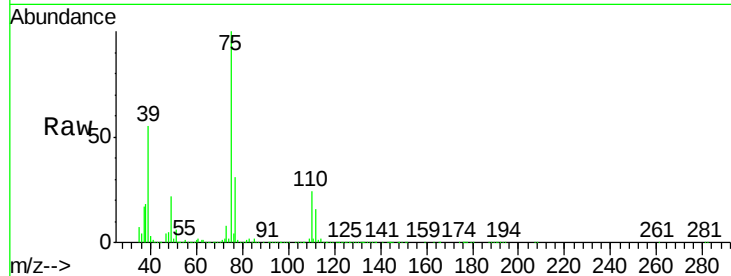
K1457-11MSD

Tot Ion: 75 Resp: 288342

Ion Ratio Lower Upper

75 100

77 31.3 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 47.926 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

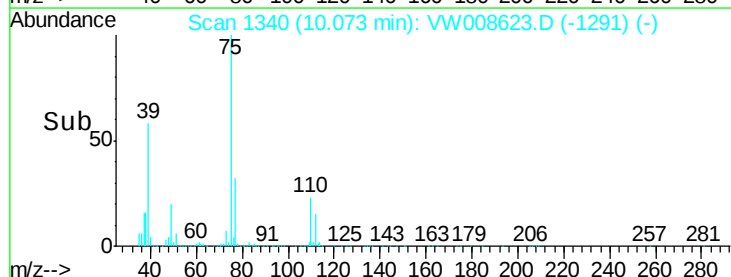
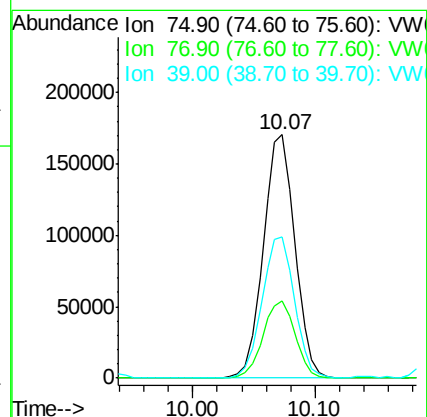
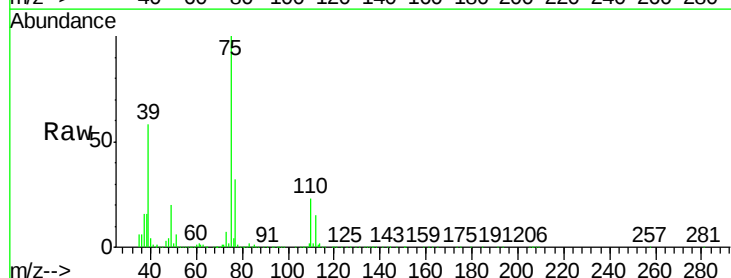
Tgt Ion: 75 Resp: 305896

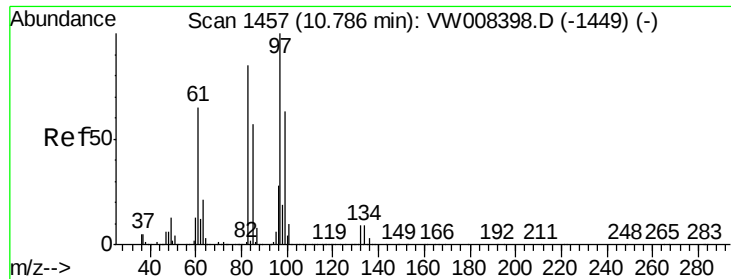
Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.4

39 57.7 44.9 67.3

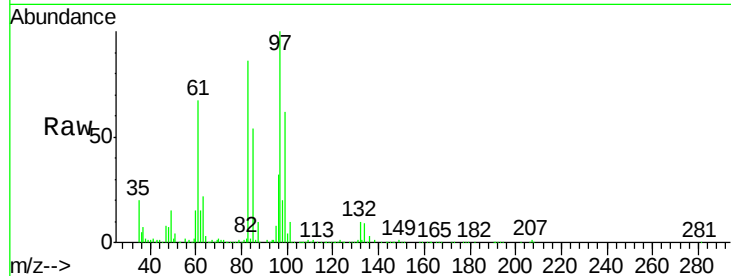




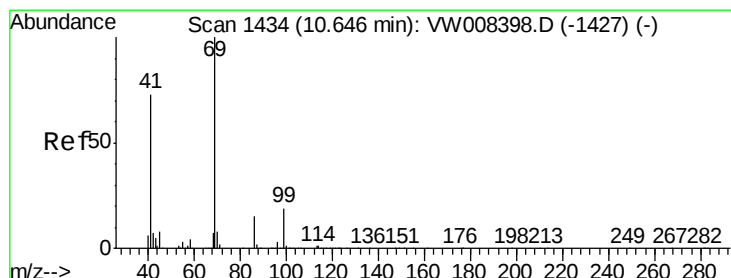
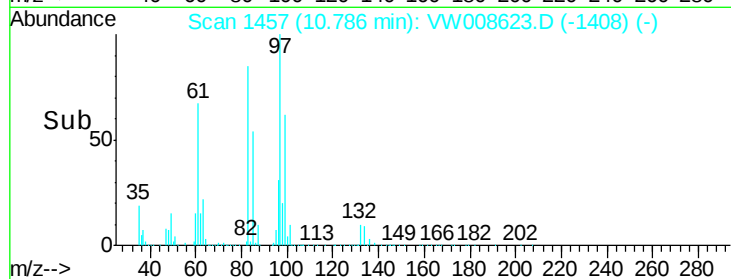
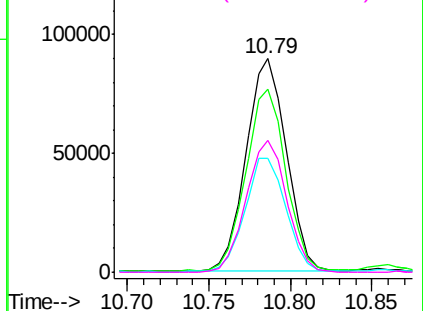
#55
 1,1,2-Trichloroethane
 Concen: 55.548 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008623.D
 Acq: 12 Feb 2019 15:24

Instrument :
 MSVOA_W
 ClientSampleId :
 K1457-11MSD

Tot Ion:	97	Resp:	153965
Ion	Ratio	Lower	Upper
97	100		
83	85.4	68.4	102.6
85	53.5	45.3	67.9
99	62.0	50.6	76.0

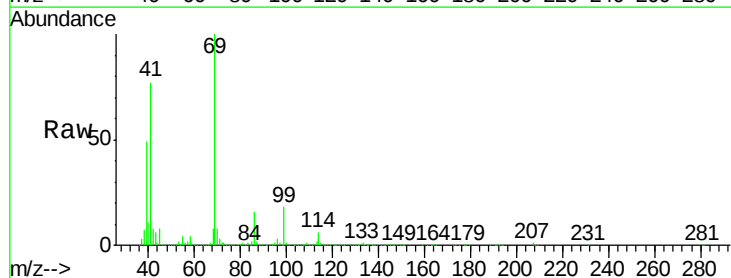


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

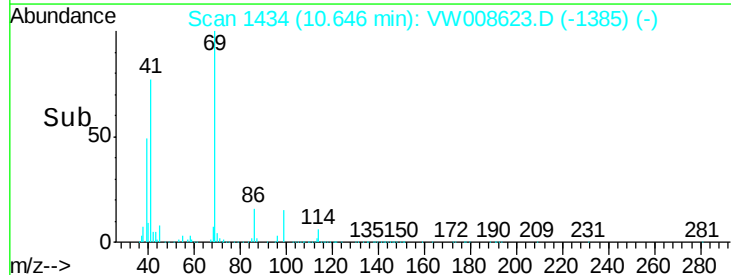
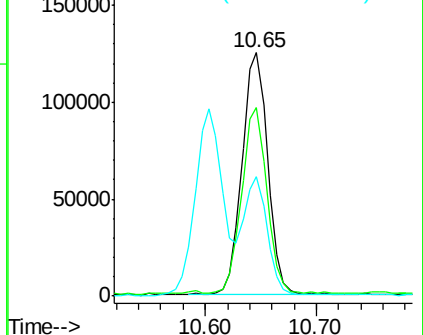


#56
 Ethyl methacrylate
 Concen: 51.496 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008623.D
 Acq: 12 Feb 2019 15:24

Tgt Ion:	69	Resp:	200003
Ion	Ratio	Lower	Upper
69	100		
41	75.3	58.7	88.1
39	43.6	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

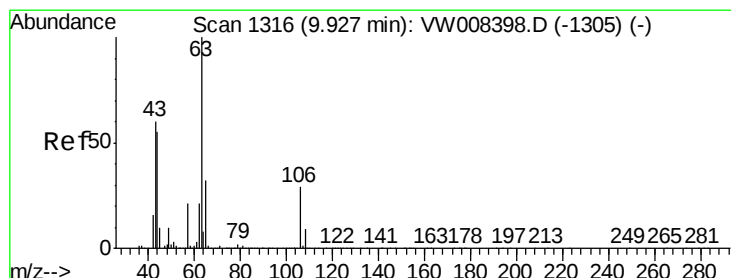
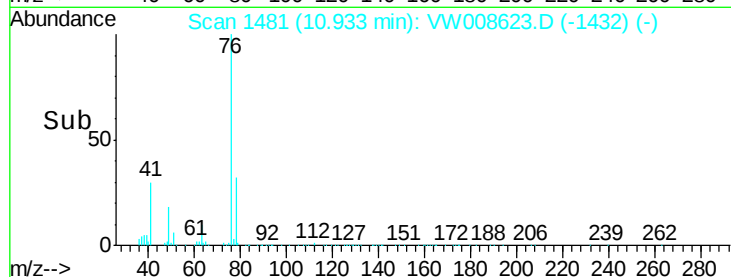
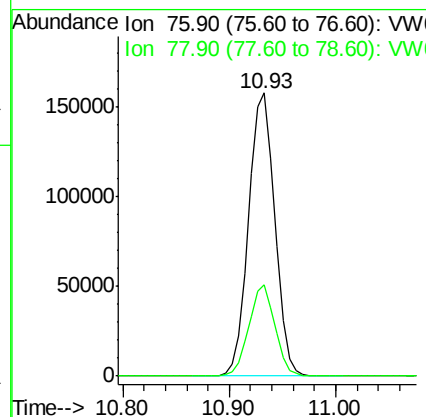
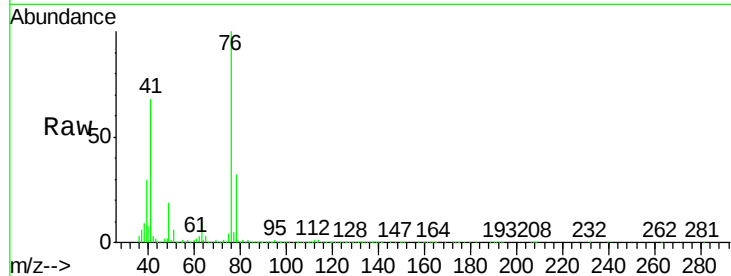




#57
 1,3-Dichloropropane
 Concen: 55.030 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008623.D
 Acq: 12 Feb 2019 15:24

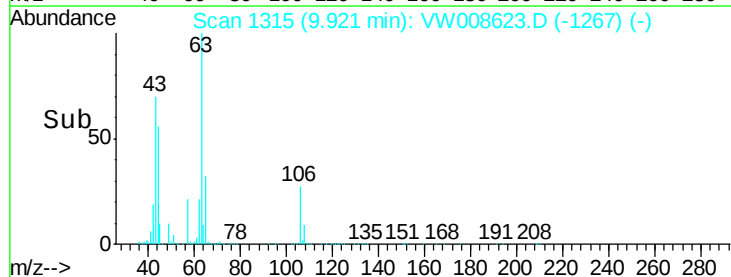
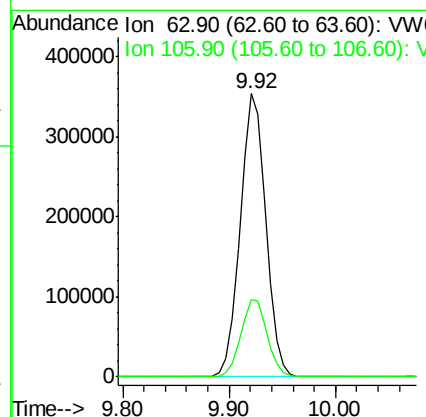
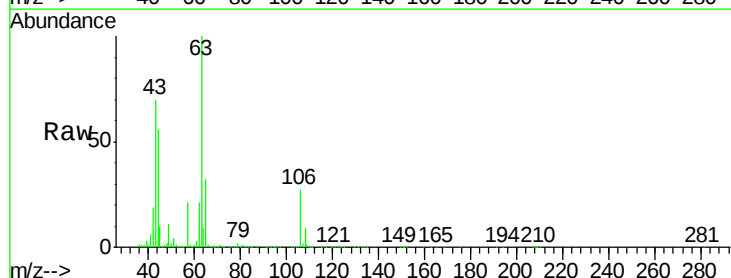
Instrument :
 MSVOA_W
 ClientSampleId :
 K1457-11MSD

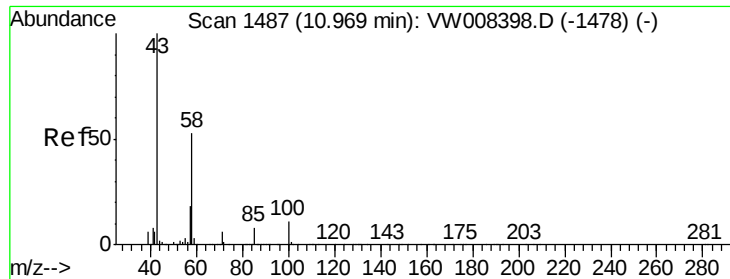
Tot Ion: 76 Resp: 273261
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 316.945 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008623.D
 Acq: 12 Feb 2019 15:24

Tgt Ion: 63 Resp: 598092
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.4 33.6

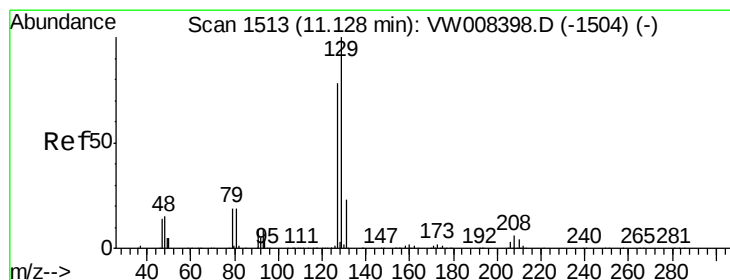
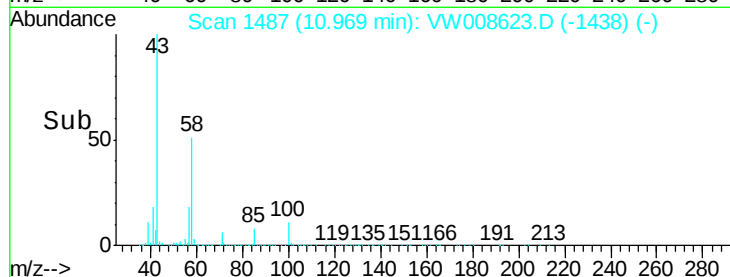
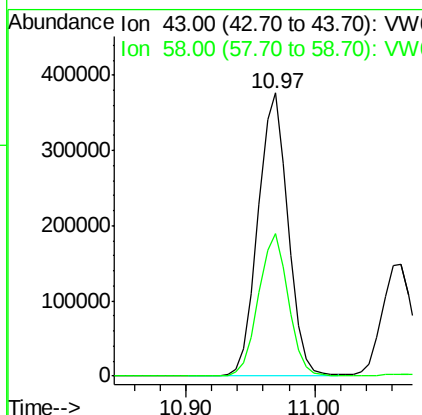
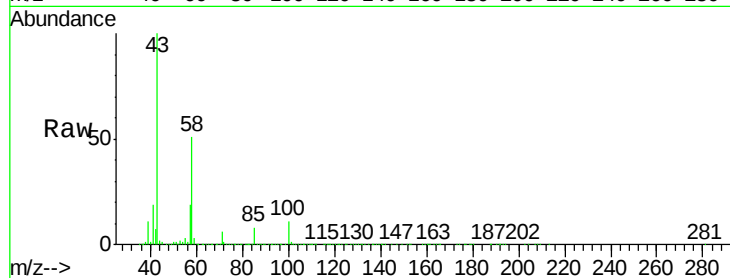




#59
2-Hexanone
Concen: 334.315 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

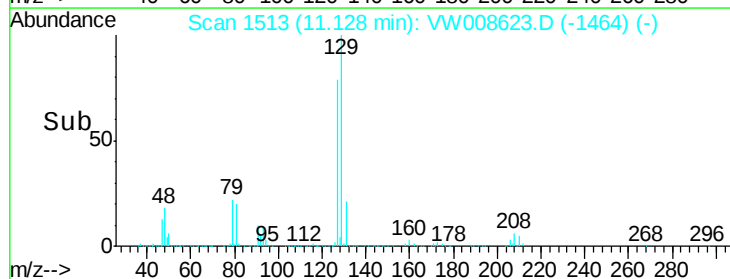
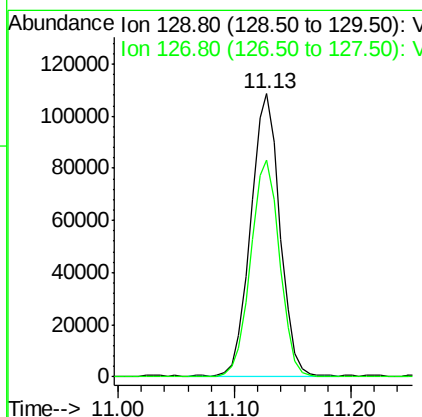
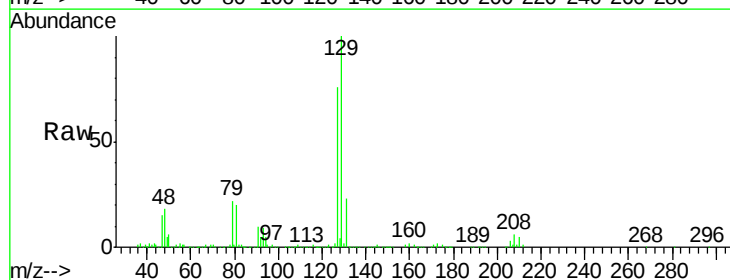
Instrument :
MSVOA_W
ClientSampled :
K1457-11MSD

Tot Ion: 43 Resp: 601815
Ion Ratio Lower Upper
43 100
58 50.4 25.9 77.7



#60
Dibromochloromethane
Concen: 53.091 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

Tgt Ion: 129 Resp: 189107
Ion Ratio Lower Upper
129 100
127 76.5 39.1 117.2





#61

1,2-Dibromoethane

Concen: 55.563 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

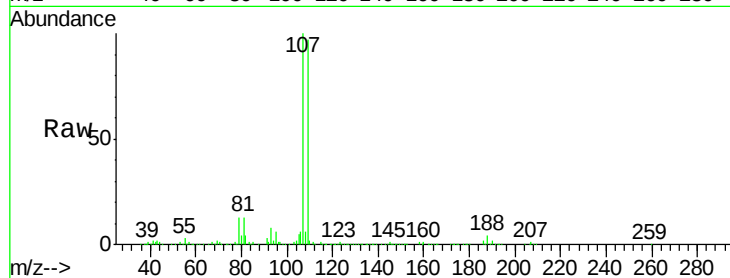
K1457-11MSD

Tot Ion: 107 Resp: 152706

Ion Ratio Lower Upper

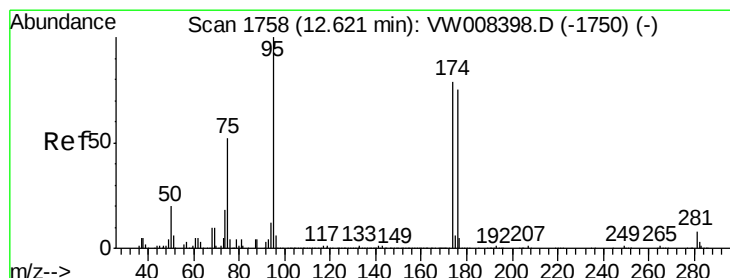
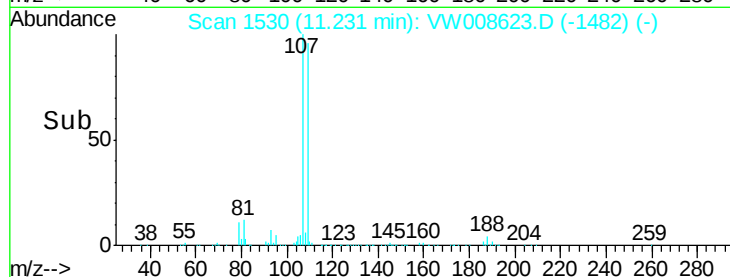
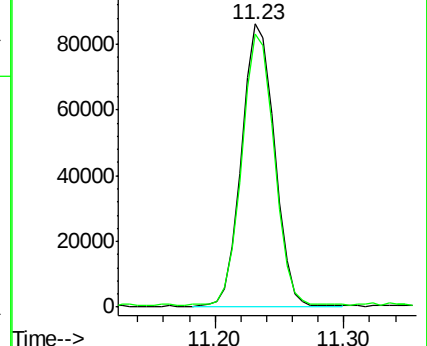
107 100

109 94.2 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: 55.220 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

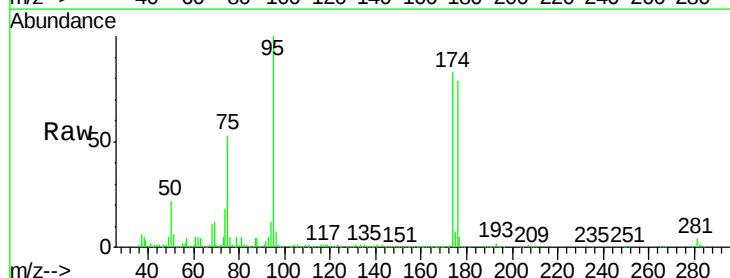
Tgt Ion: 95 Resp: 295866

Ion Ratio Lower Upper

95 100

174 80.4 0.0 157.6

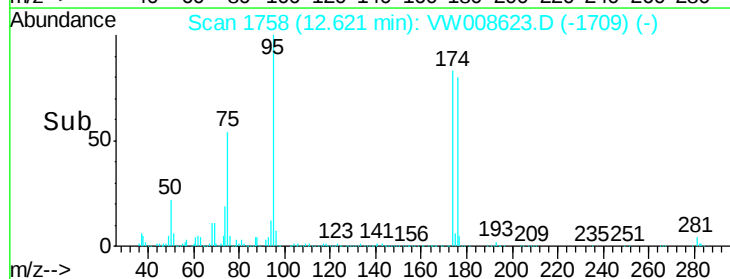
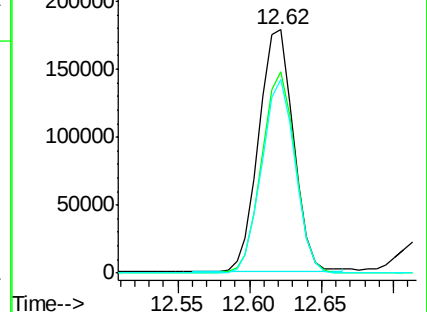
176 77.2 0.0 151.8

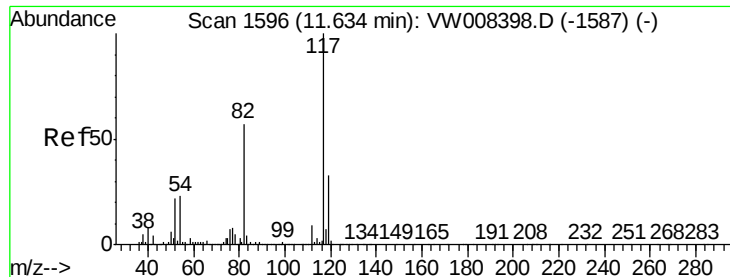


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

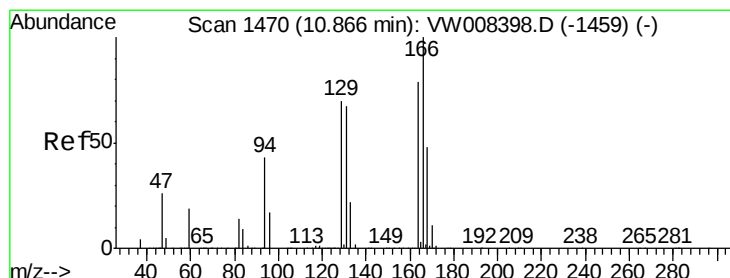
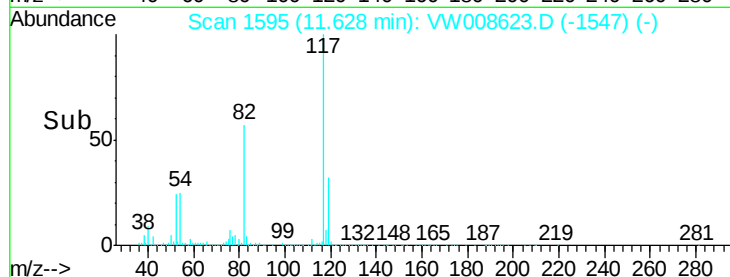
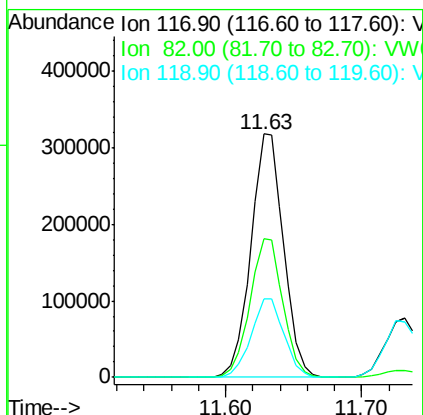
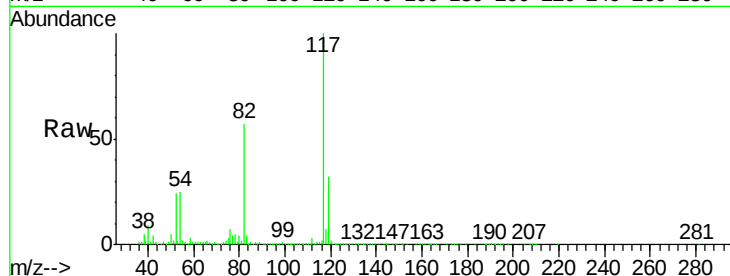




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

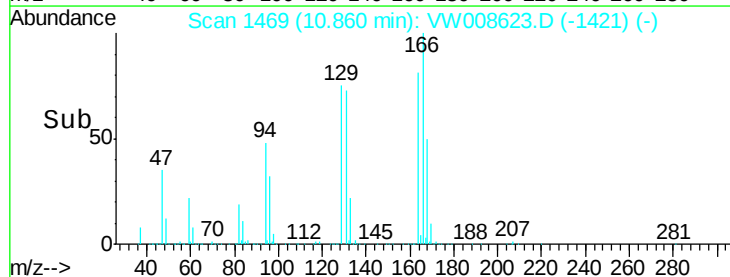
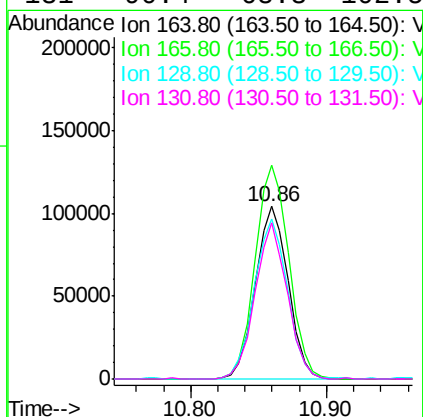
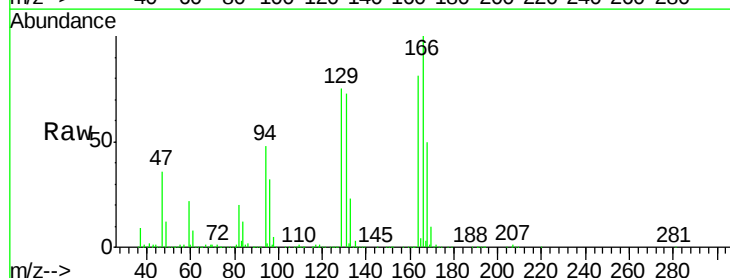
Instrument :
MSVOA_W
ClientSampleId :
K1457-11MSD

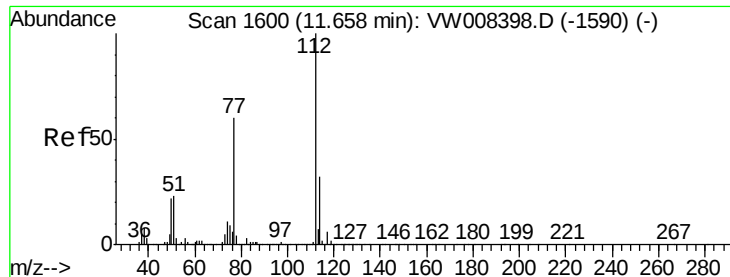
Tot Ion:117 Resp: 533063
Ion Ratio Lower Upper
117 100
82 56.7 45.4 68.0
119 32.3 26.2 39.4



#64
Tetrachloroethene
Concen: 49.174 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

Tgt Ion:164 Resp: 177477
Ion Ratio Lower Upper
164 100
166 123.9 101.4 152.0
129 92.3 71.0 106.6
131 90.4 68.3 102.5

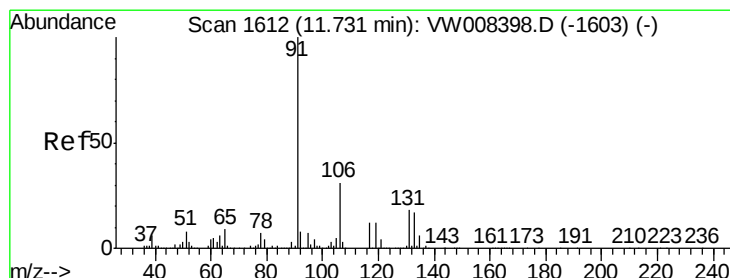
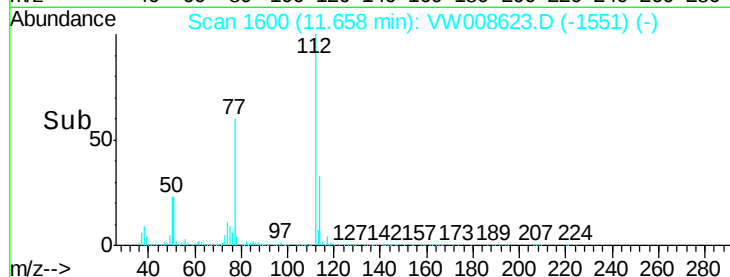
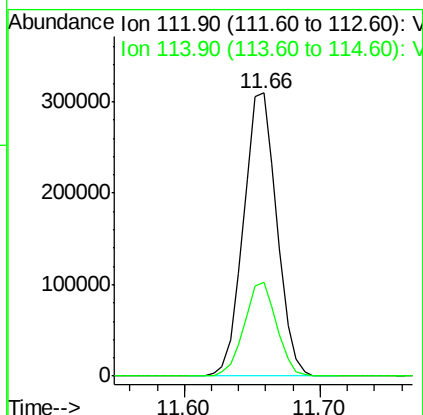
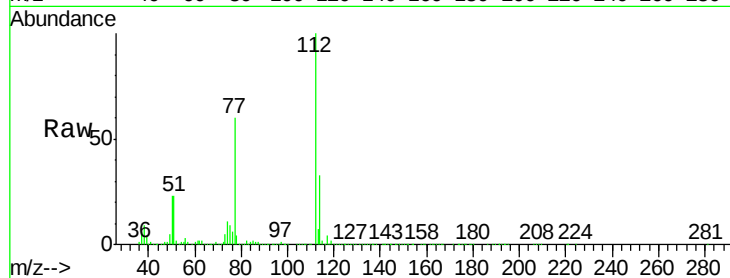




#65
Chlorobenzene
Concen: 48.596 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

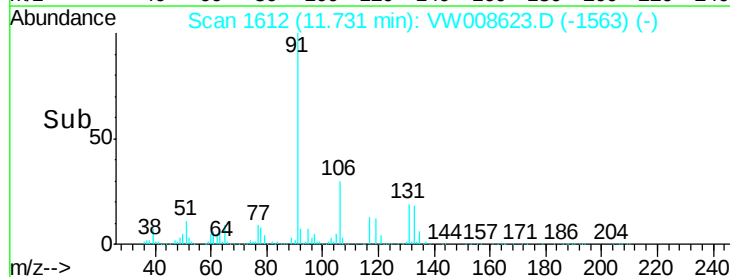
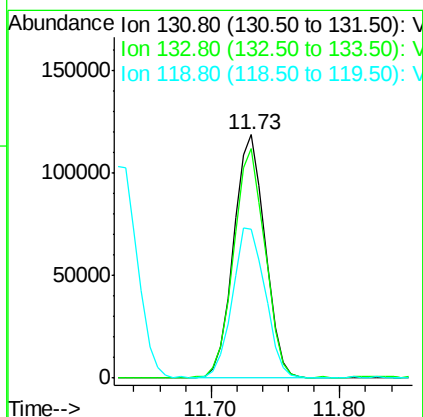
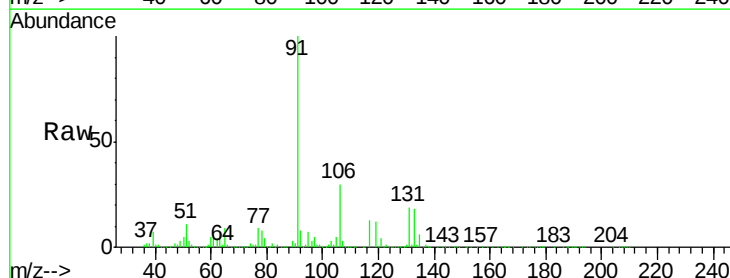
Instrument :
MSVOA_W
ClientSampleId :
K1457-11MSD

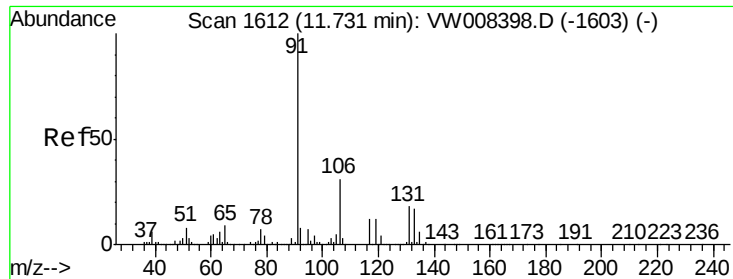
Tot Ion:112 Resp: 528807
Ion Ratio Lower Upper
112 100
114 33.3 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 51.344 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

Tgt Ion:131 Resp: 199897
Ion Ratio Lower Upper
131 100
133 94.7 47.0 141.2
119 64.4 32.1 96.3

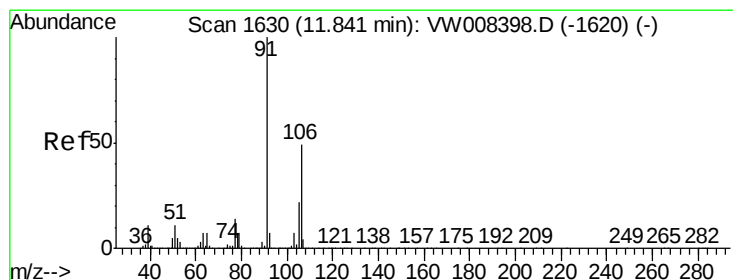
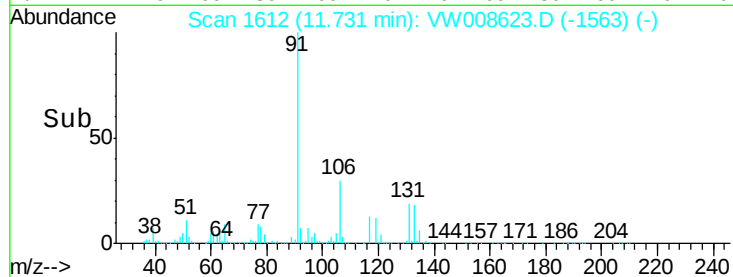
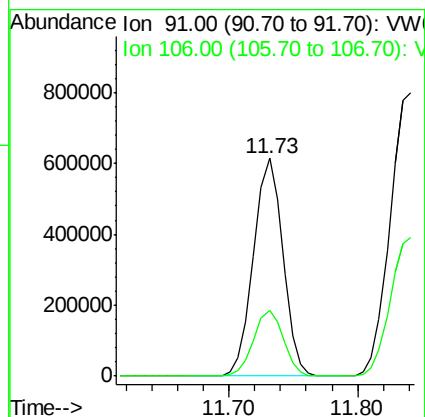
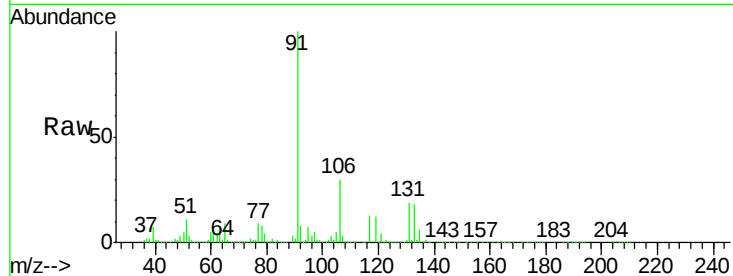




#67
Ethyl Benzene
Concen: 48.321 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

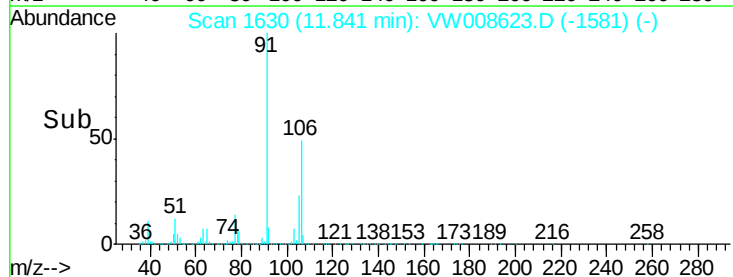
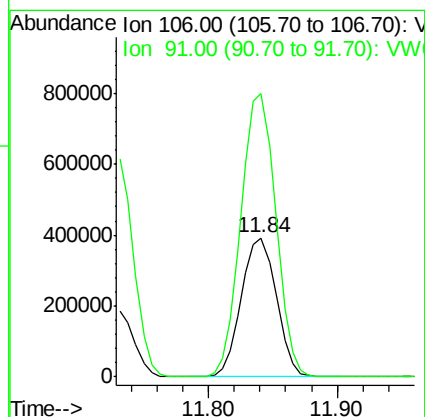
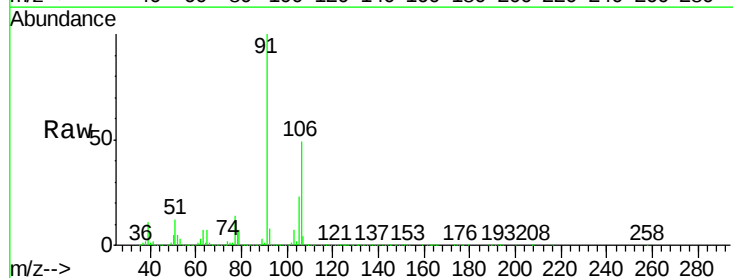
Instrument :
MSVOA_W
ClientSampled :
K1457-11MSD

Tot Ion: 91 Resp: 966528
Ion Ratio Lower Upper
91 100
106 30.4 24.7 37.1



#68
m/p-Xylenes
Concen: 95.533 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

Tgt Ion: 106 Resp: 741418
Ion Ratio Lower Upper
106 100
91 202.3 162.9 244.3

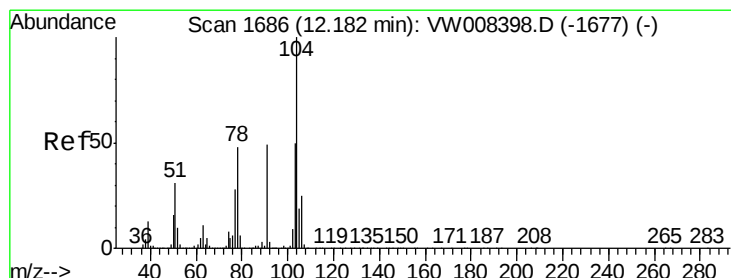
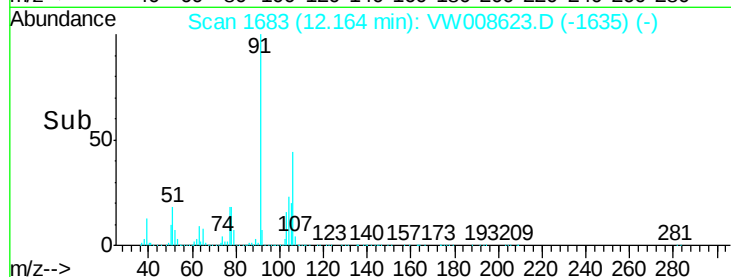
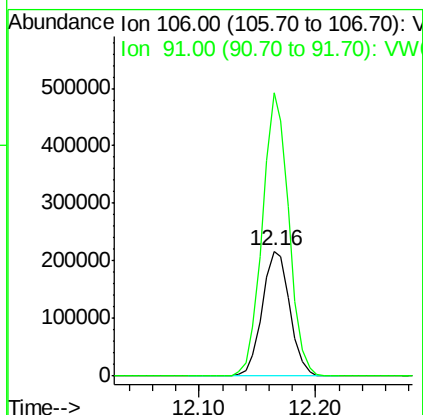
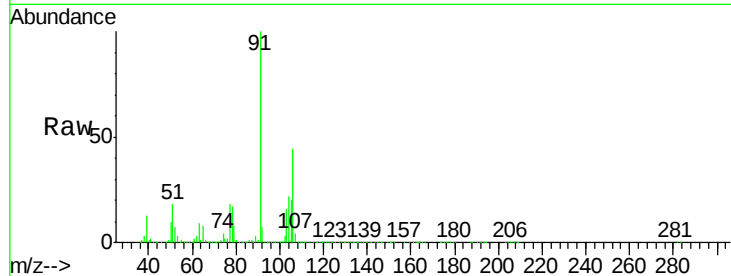




#69
o-Xylene
Concen: 48.357 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

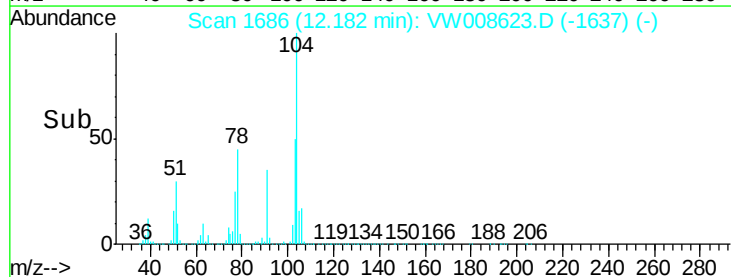
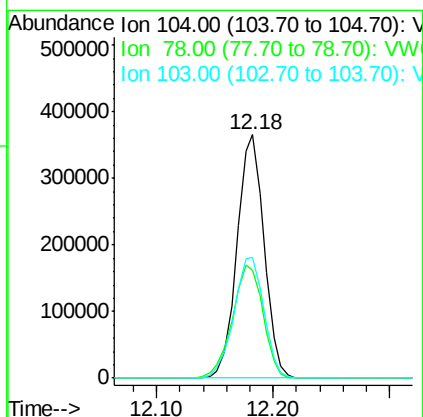
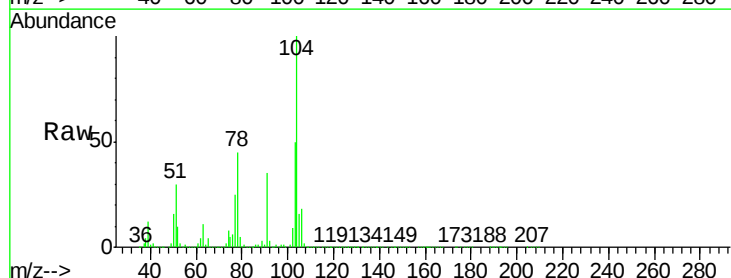
Instrument :
MSVOA_W
ClientSampled :
K1457-11MSD

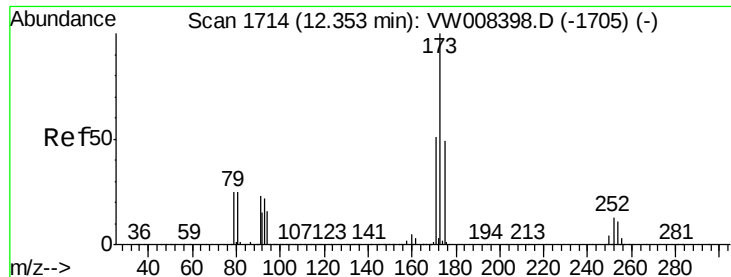
Tot Ion:106 Resp: 356586
Ion Ratio Lower Upper
106 100
91 217.1 107.5 322.4



#70
Styrene
Concen: 48.534 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

Tgt Ion:104 Resp: 591155
Ion Ratio Lower Upper
104 100
78 52.8 42.4 63.6
103 55.0 43.4 65.0





#71

Bromoform

Concen: 56.085 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

K1457-11MSD

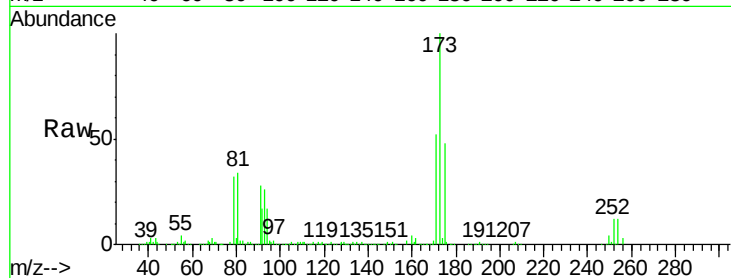
Tot Ion:173 Resp: 122855

Ion Ratio Lower Upper

173 100

175 48.8 24.4 73.4

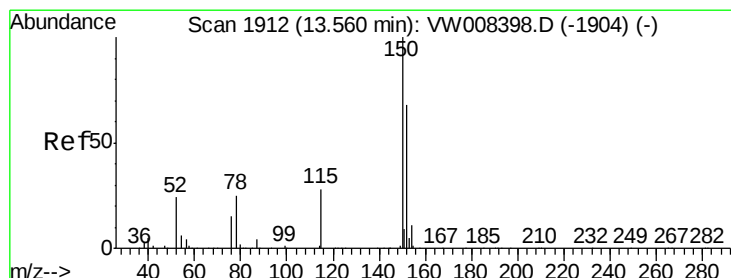
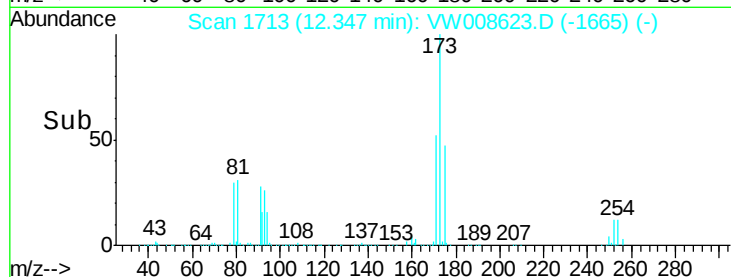
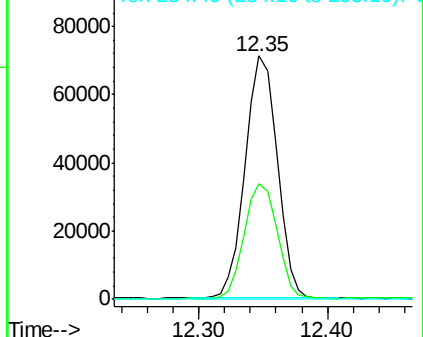
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

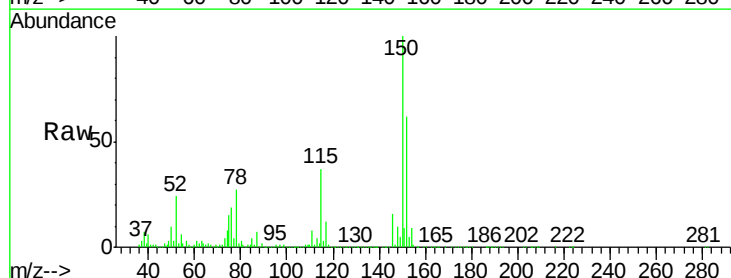
Tgt Ion:152 Resp: 285195

Ion Ratio Lower Upper

152 100

115 59.0 29.9 89.7

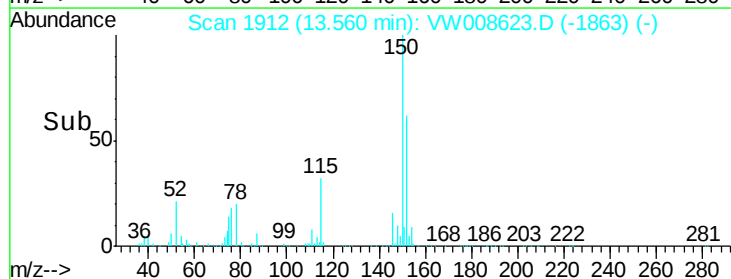
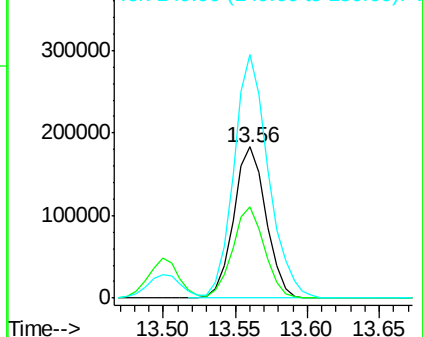
150 172.3 0.0 351.4

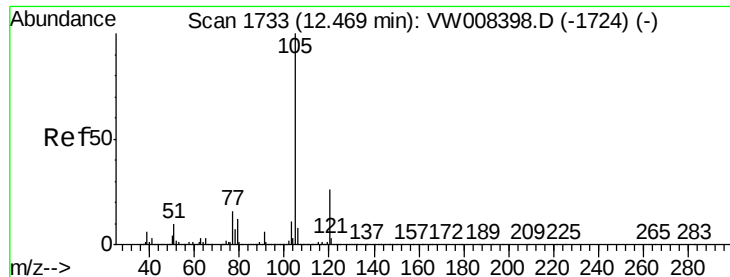


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.582 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

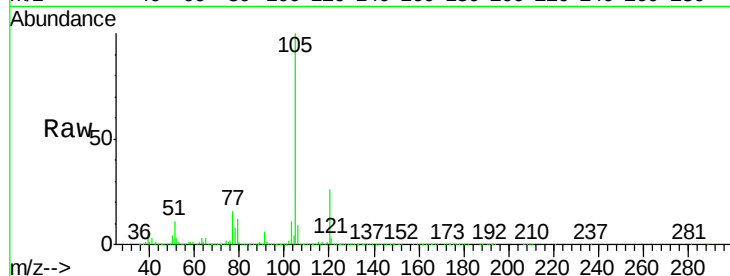
K1457-11MSD

Tot Ion:105 Resp: 990411

Ion Ratio Lower Upper

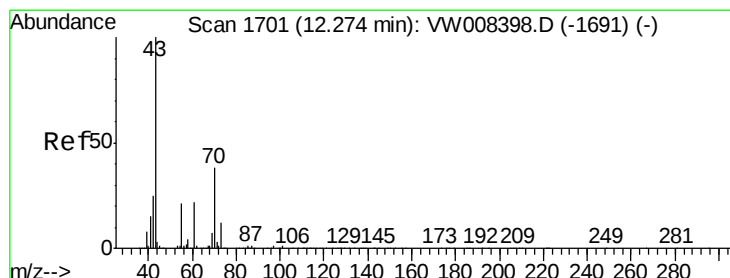
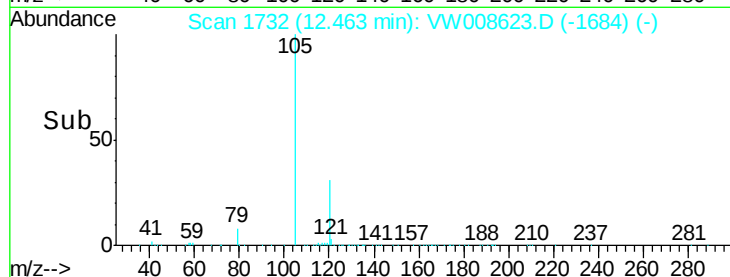
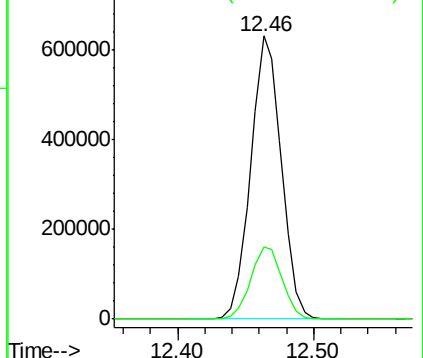
105 100

120 26.3 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.950 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Tgt Ion: 43 Resp: 273596

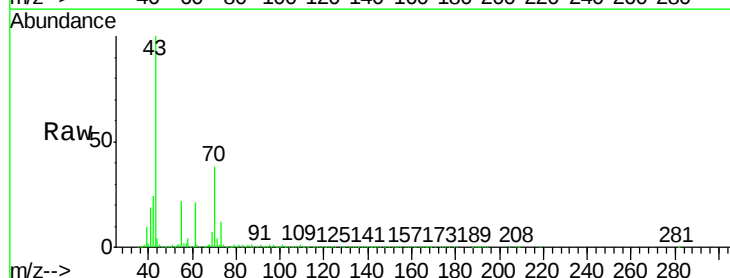
Ion Ratio Lower Upper

43 100

70 37.4 31.0 46.6

55 21.5 17.4 26.2

61 21.5 18.2 27.4

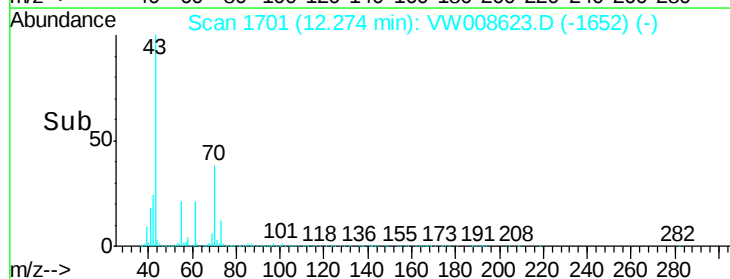
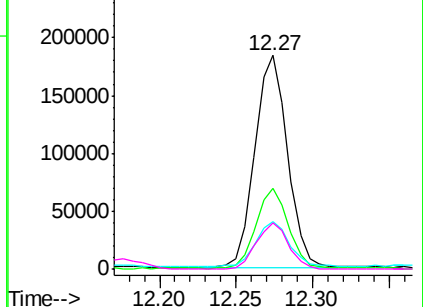


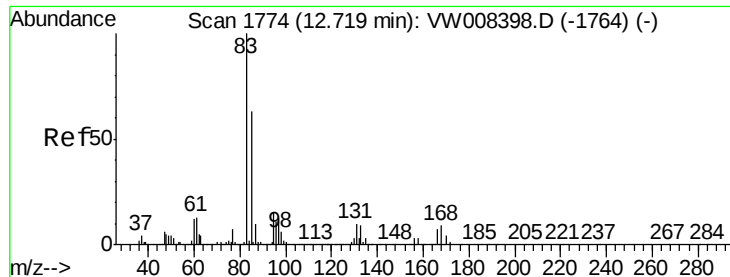
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 62.301 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

K1457-11MSD

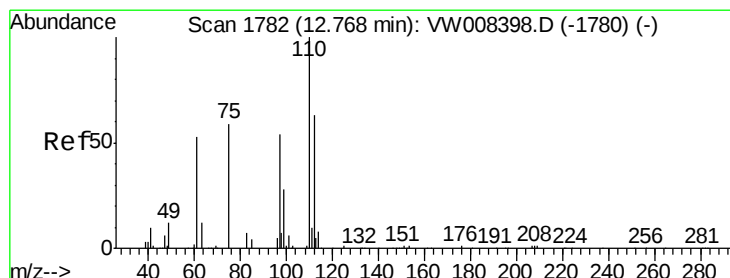
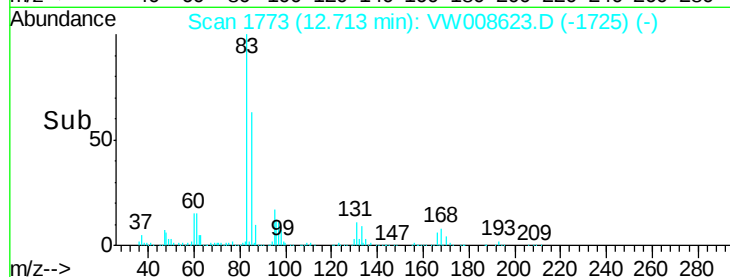
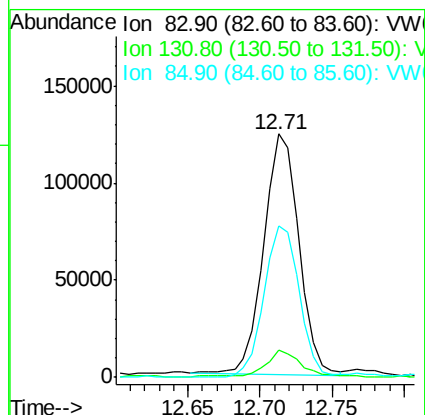
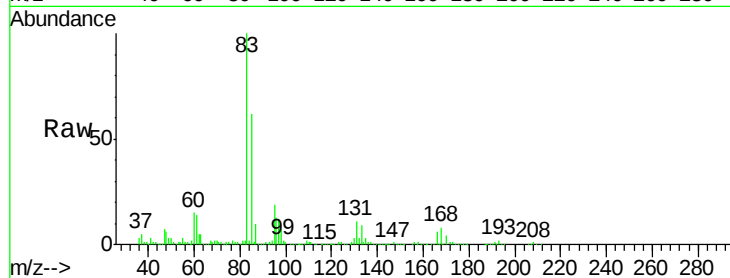
Tot Ion: 83 Resp: 209716

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.4

85 62.9 31.9 95.5



#76

1,2,3-Trichloropropane

Concen: 59.236 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008623.D

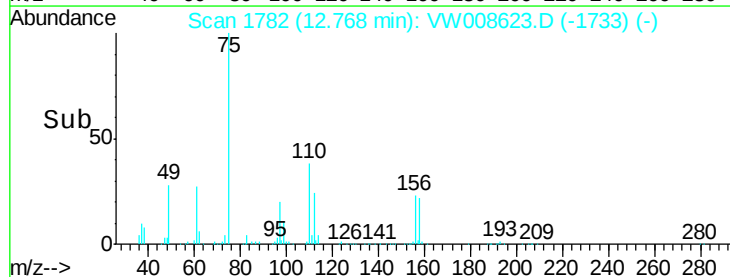
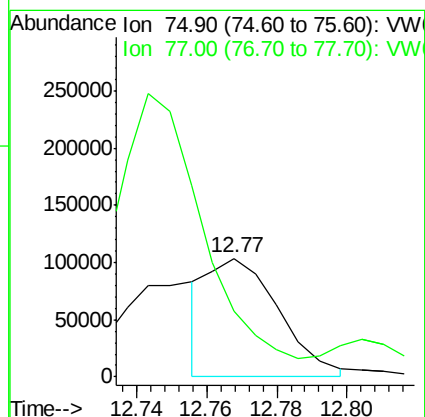
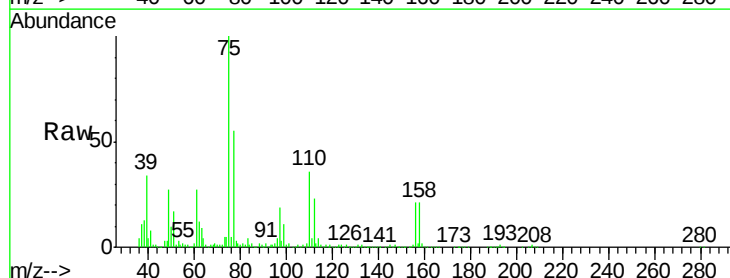
Acq: 12 Feb 2019 15:24

Tgt Ion: 75 Resp: 146880

Ion Ratio Lower Upper

75 100

77 0.0 180.7 542.1#





#77

Bromobenzene

Concen: 48.934 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

K1457-11MSD

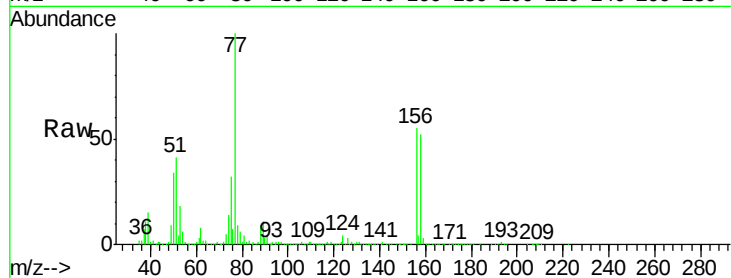
Tot Ion:156 Resp: 227218

Ion Ratio Lower Upper

156 100

77 197.1 96.9 290.7

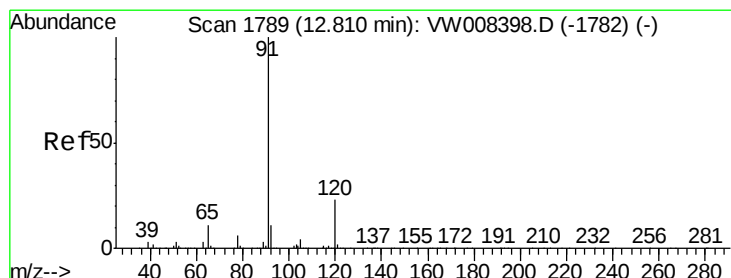
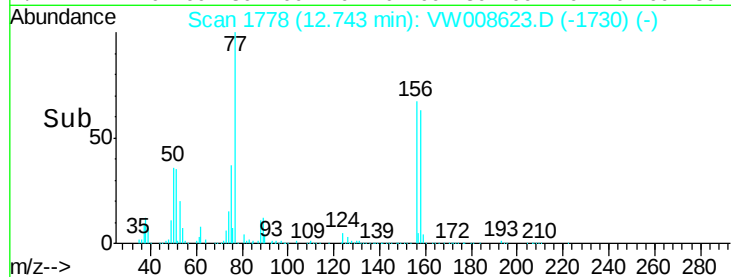
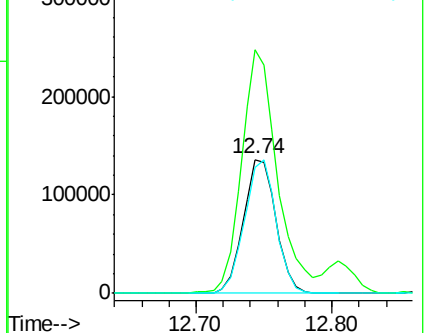
158 97.3 48.8 146.4



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: 45.421 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008623.D

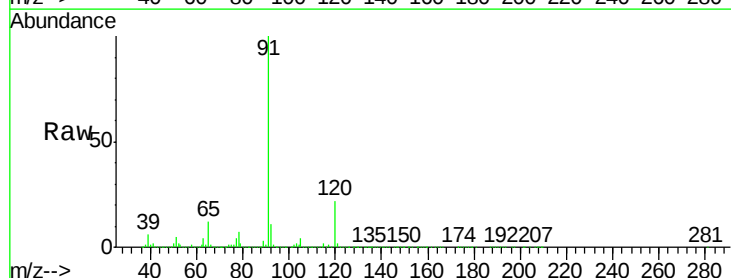
Acq: 12 Feb 2019 15:24

Tgt Ion: 91 Resp: 1159915

Ion Ratio Lower Upper

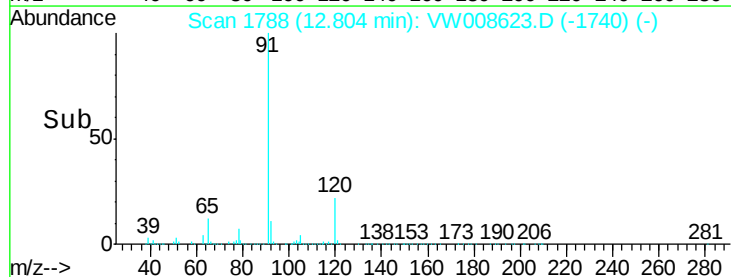
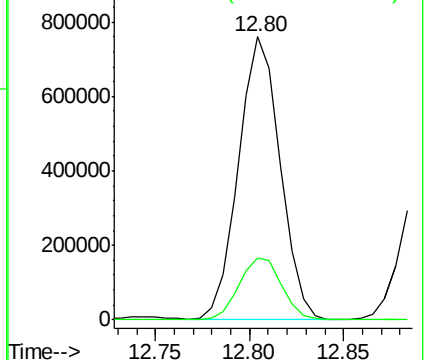
91 100

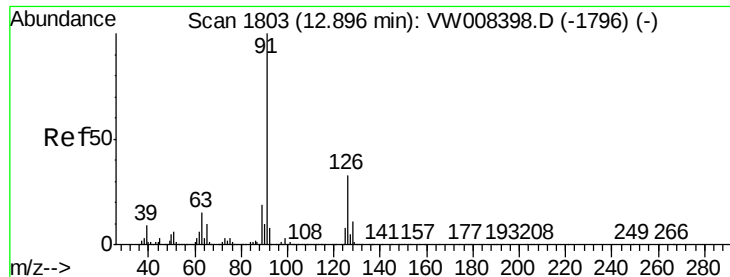
120 22.6 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.101 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

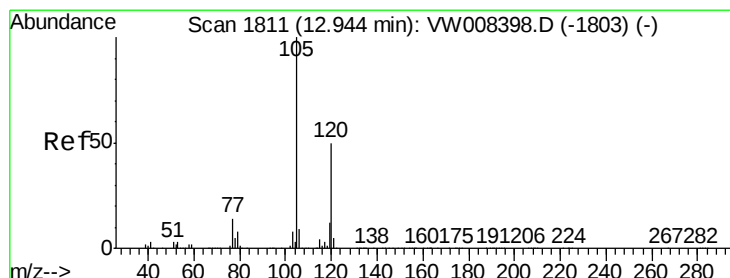
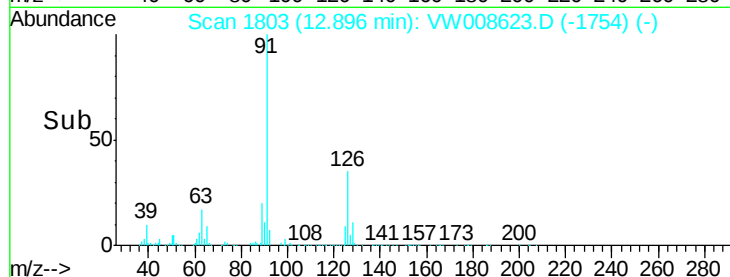
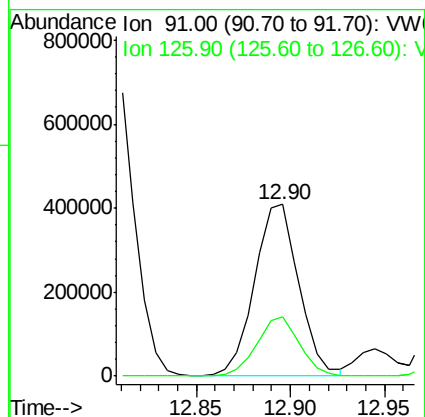
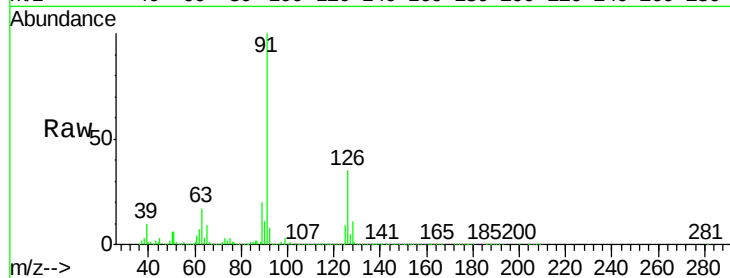
K1457-11MSD

Tot Ion: 91 Resp: 664336

Ion Ratio Lower Upper

91 100

126 33.4 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 45.652 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008623.D

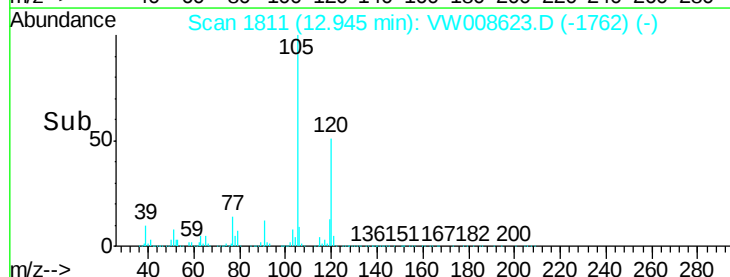
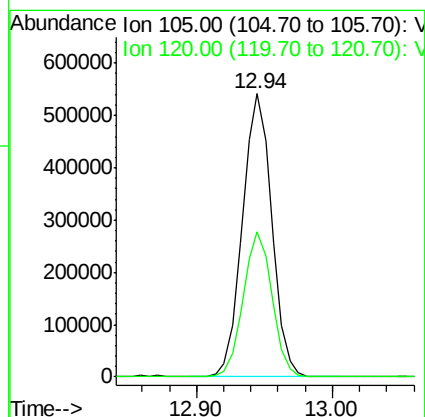
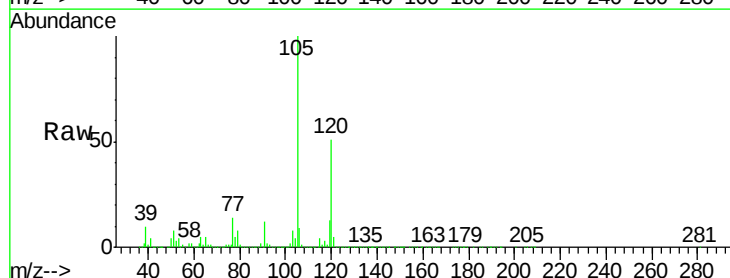
Acq: 12 Feb 2019 15:24

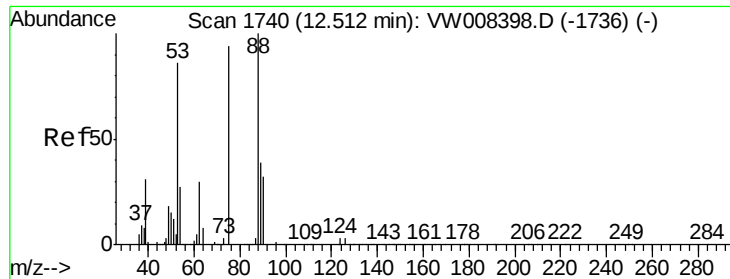
Tgt Ion: 105 Resp: 811300

Ion Ratio Lower Upper

105 100

120 50.4 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 55.334 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

K1457-11MSD

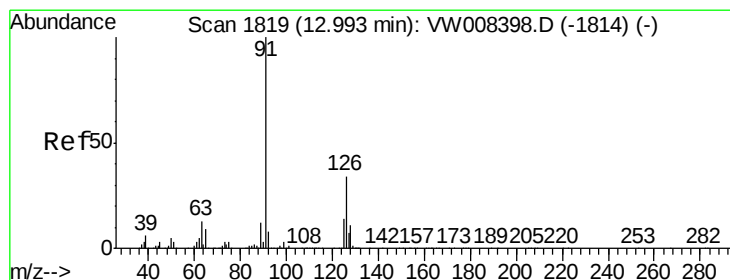
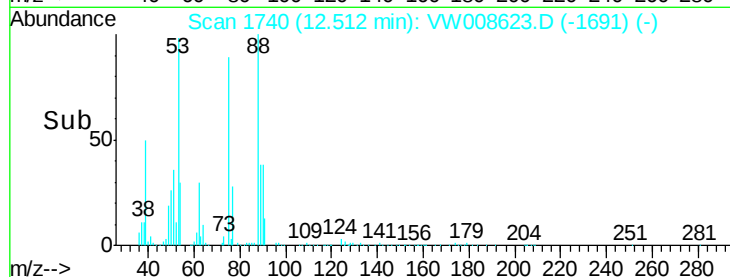
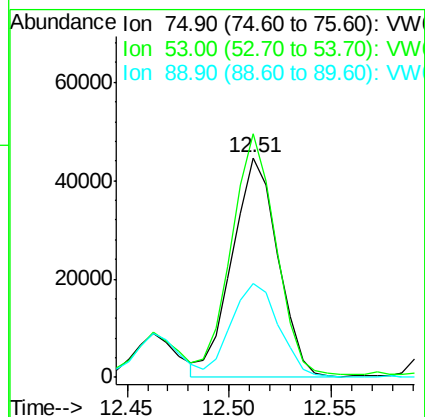
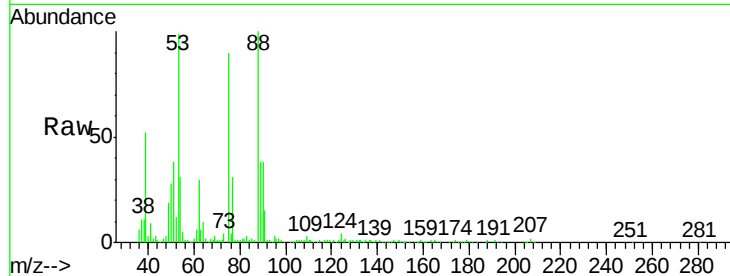
Tot Ion: 75 Resp: 69468

Ion Ratio Lower Upper

75 100

53 105.2 76.0 114.0

89 44.1 35.4 53.0



#82

4-Chlorotoluene

Concen: 46.382 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW008623.D

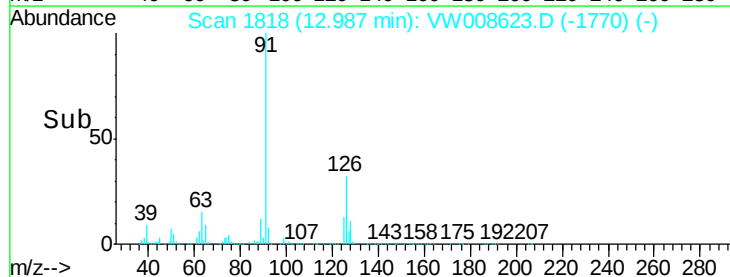
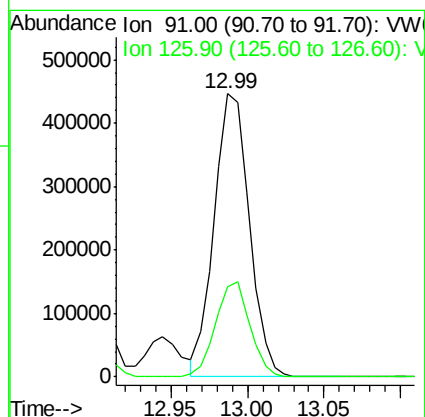
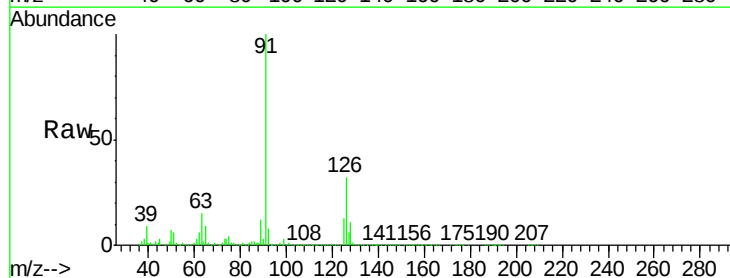
Acq: 12 Feb 2019 15:24

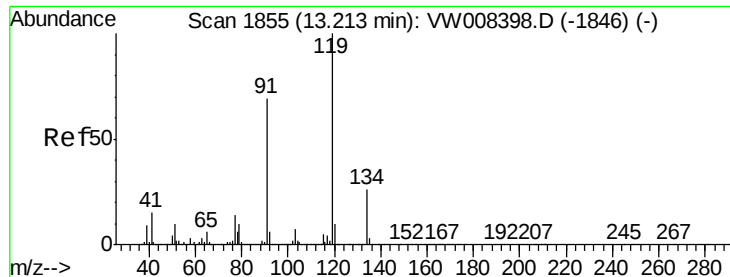
Tgt Ion: 91 Resp: 711607

Ion Ratio Lower Upper

91 100

126 32.9 16.4 49.2





#83

tert-Butylbenzene

Concen: 45.205 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

K1457-11MSD

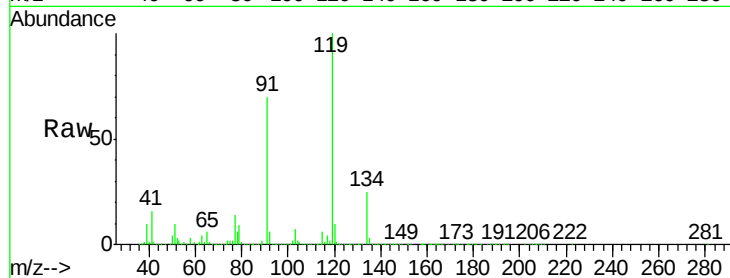
Tot Ion:119 Resp: 714895

Ion Ratio Lower Upper

119 100

91 69.9 33.8 101.4

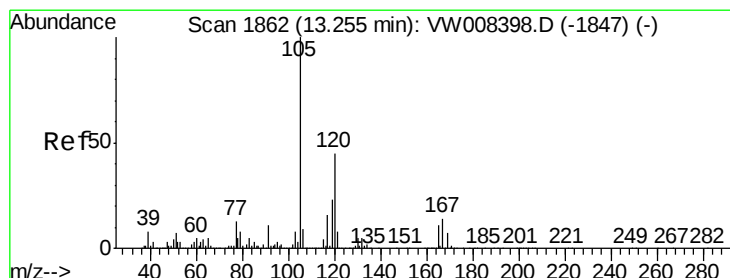
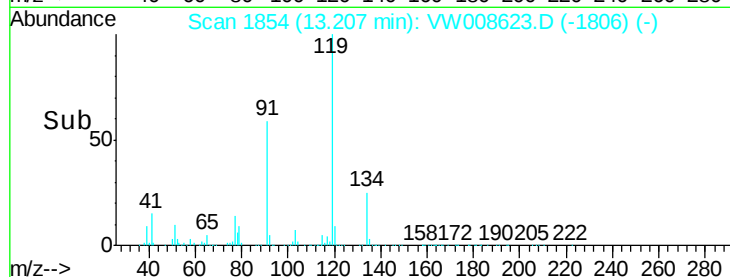
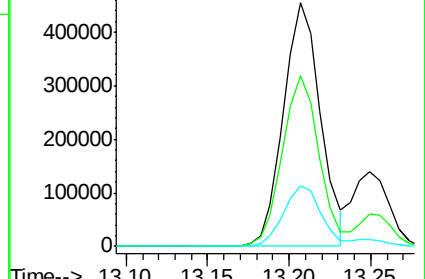
134 25.4 13.5 40.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 46.653 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008623.D

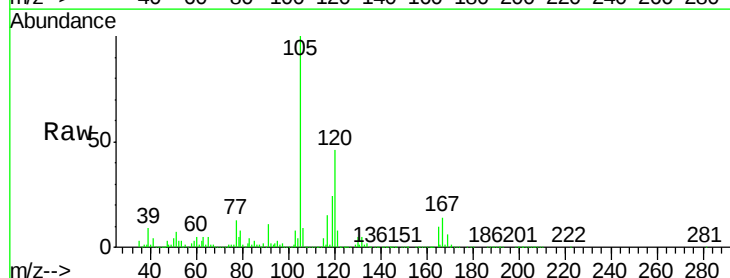
Acq: 12 Feb 2019 15:24

Tgt Ion:105 Resp: 842699

Ion Ratio Lower Upper

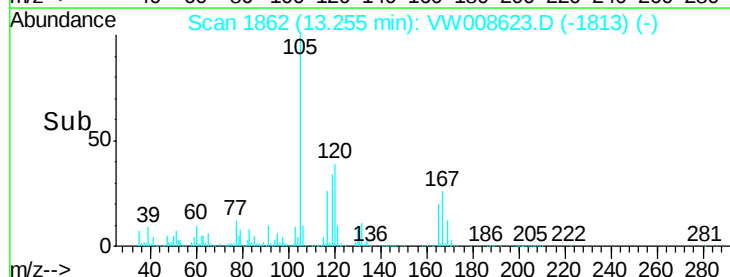
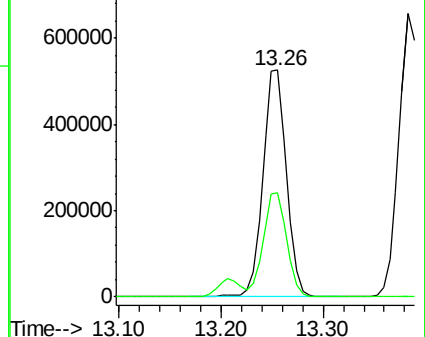
105 100

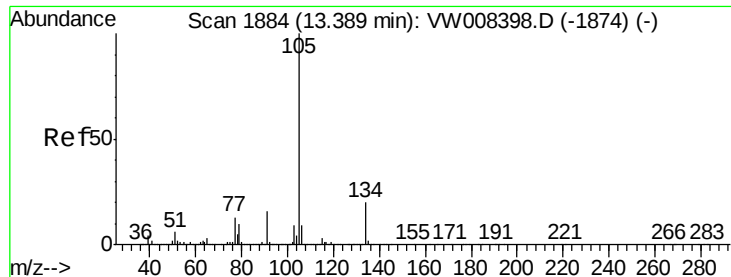
120 45.7 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 44.491 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

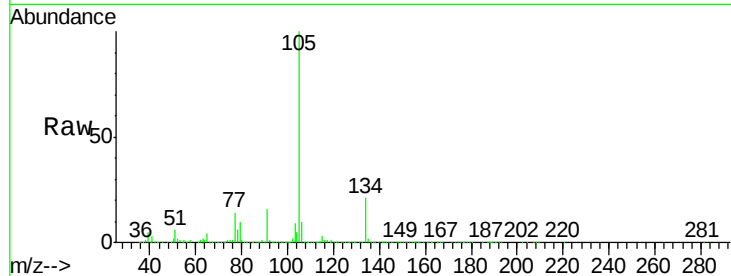
K1457-11MSD

Tot Ion:105 Resp: 1004828

Ion Ratio Lower Upper

105 100

134 20.7 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

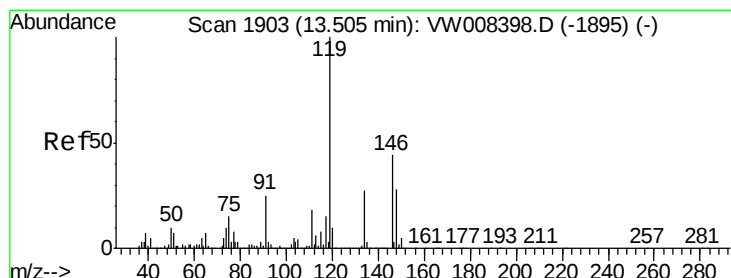
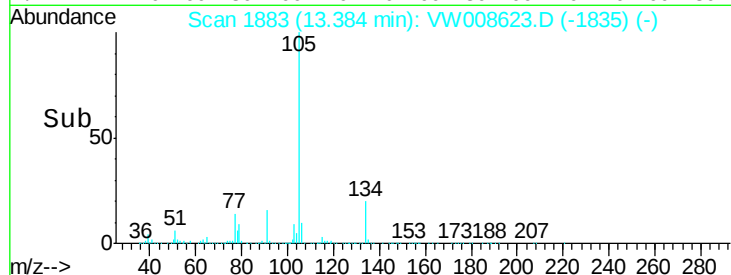
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 45.269 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

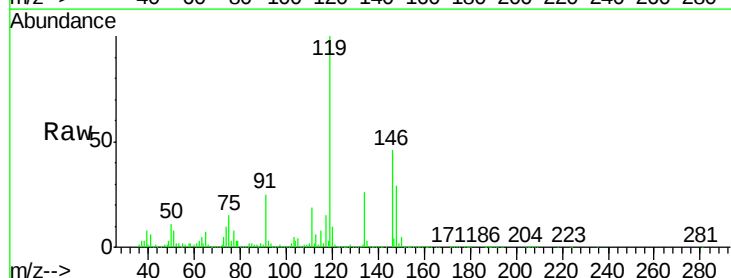
Tgt Ion:119 Resp: 895571

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

91 24.9 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

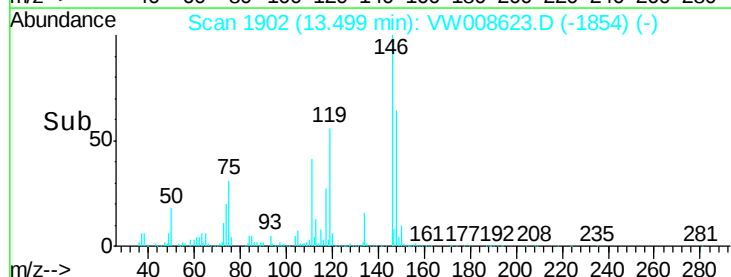
600000

400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 47.026 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

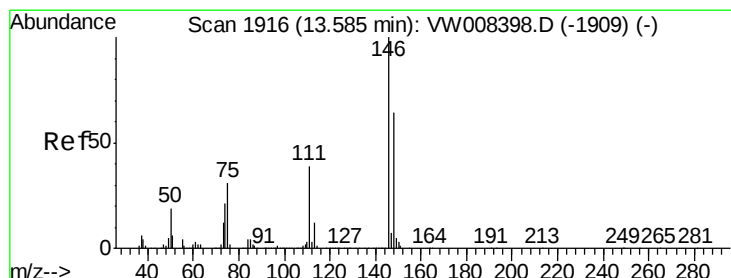
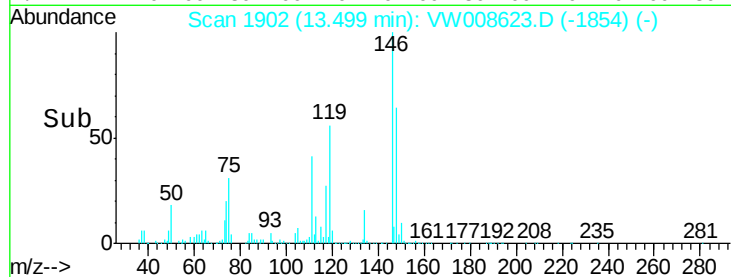
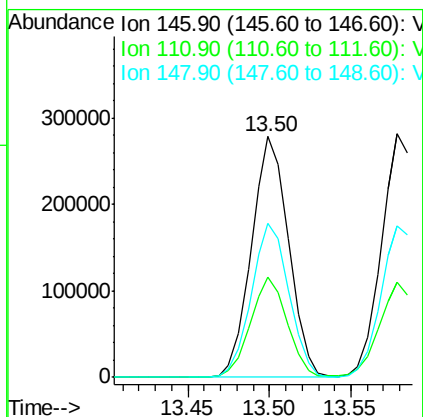
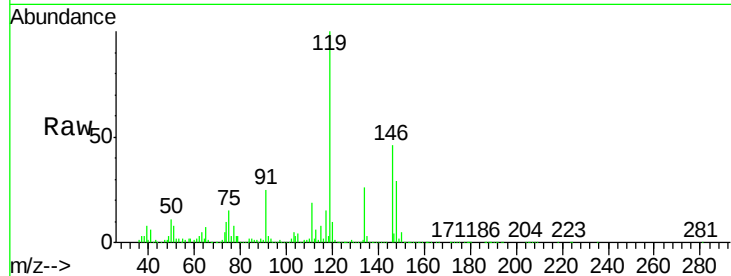
Instrument :

MSVOA_W

ClientSampled :

K1457-11MSD

Tot Ion:146	Resp:	440999
Ion Ratio	Lower	Upper
146	100	
111	40.6	20.3 60.9
148	64.3	31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 47.801 ug/l

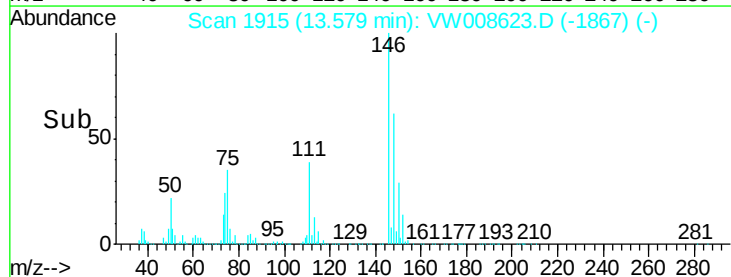
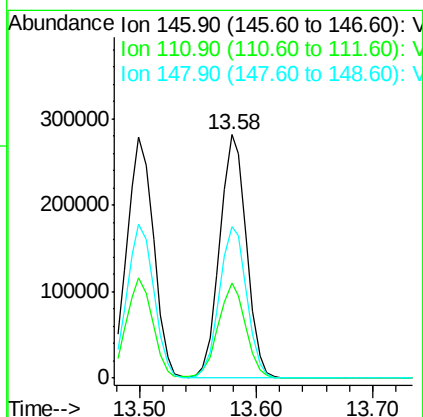
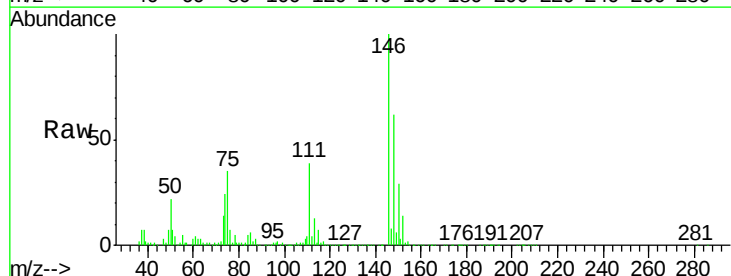
RT: 13.58 min Scan# 1915

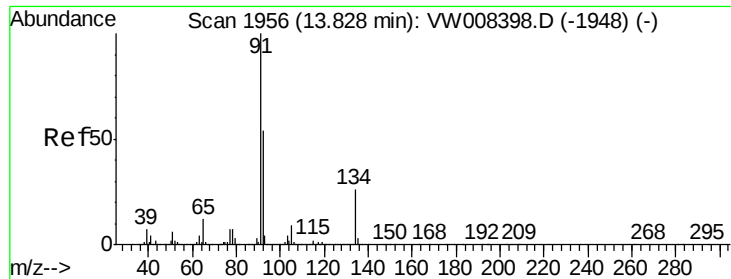
Delta R.T. -0.01 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Tgt Ion:146	Resp:	445489
Ion Ratio	Lower	Upper
146	100	
111	39.2	20.0 60.0
148	63.4	32.0 96.2





#89

n-Butylbenzene

Concen: 41.365 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

K1457-11MSD

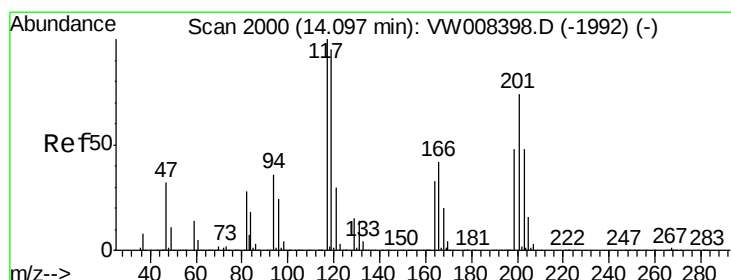
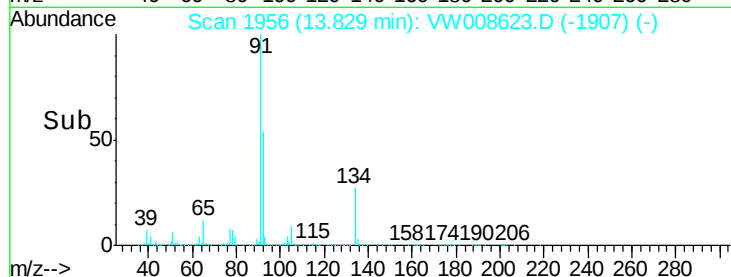
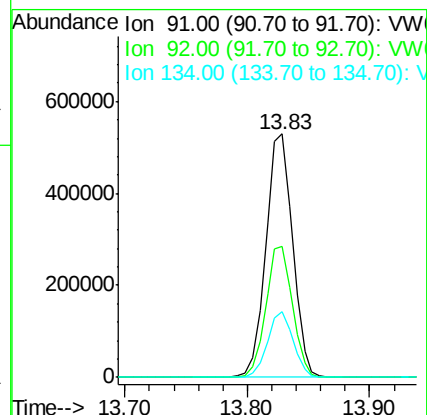
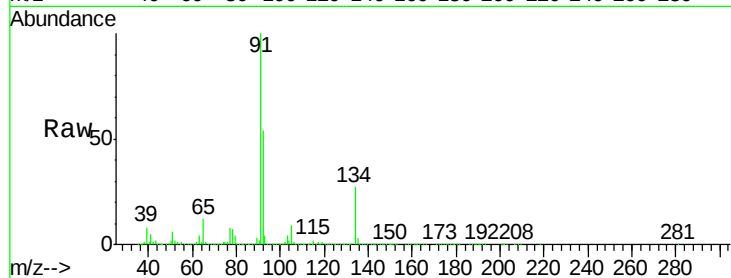
Tot Ion: 91 Resp: 803489

Ion Ratio Lower Upper

91 100

92 53.6 27.4 82.2

134 26.0 13.0 39.0



#90

Hexachloroethane

Concen: 43.098 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008623.D

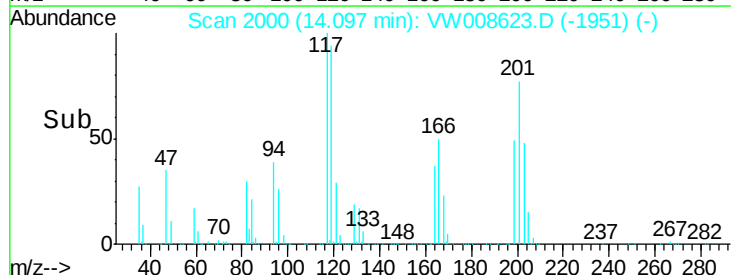
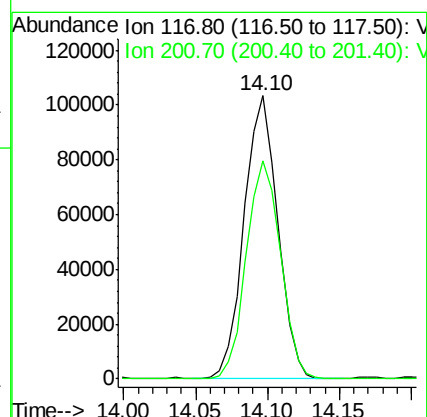
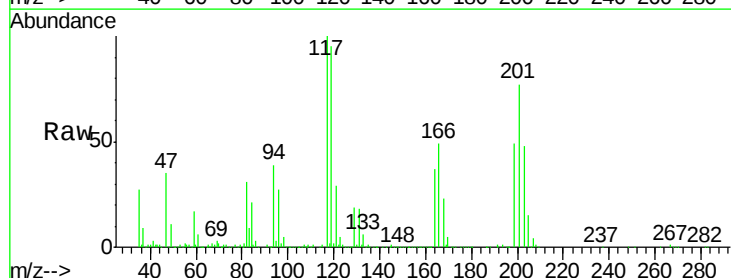
Acq: 12 Feb 2019 15:24

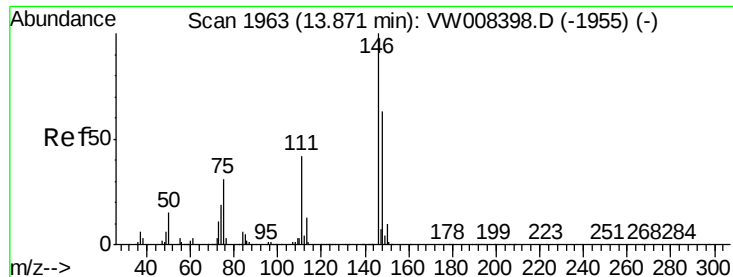
Tgt Ion: 117 Resp: 166740

Ion Ratio Lower Upper

117 100

201 78.6 39.1 117.5





#91

1,2-Dichlorobenzene

Concen: 48.440 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

K1457-11MSD

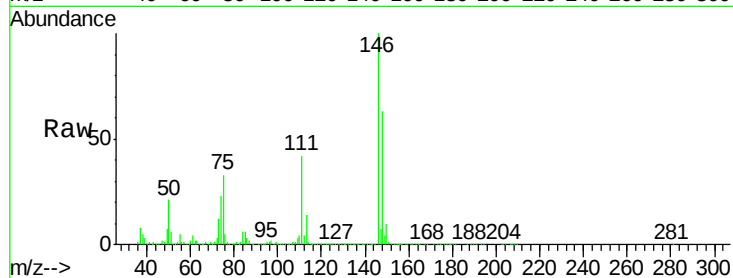
Tot Ion:146 Resp: 401936

Ion Ratio Lower Upper

146 100

111 42.0 21.1 63.3

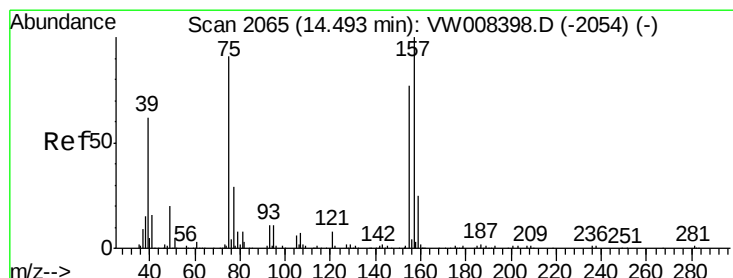
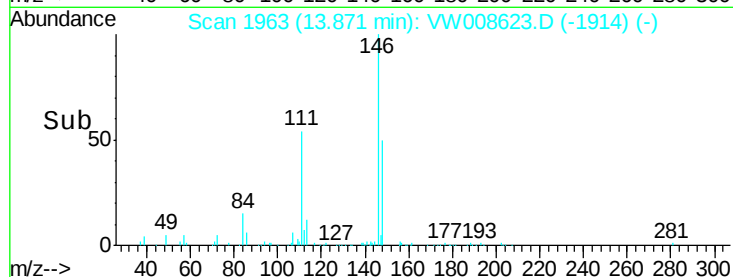
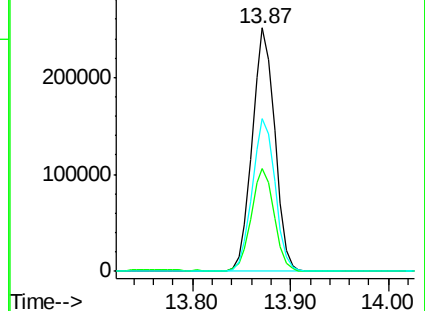
148 63.3 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 60.854 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW008623.D

Acq: 12 Feb 2019 15:24

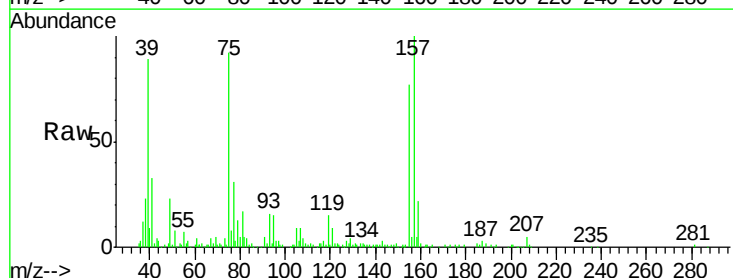
Tgt Ion: 75 Resp: 38867

Ion Ratio Lower Upper

75 100

155 83.0 42.7 128.1

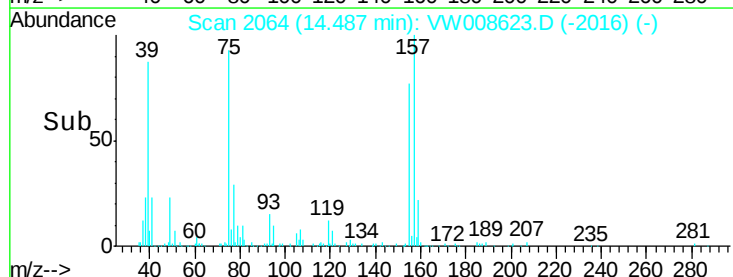
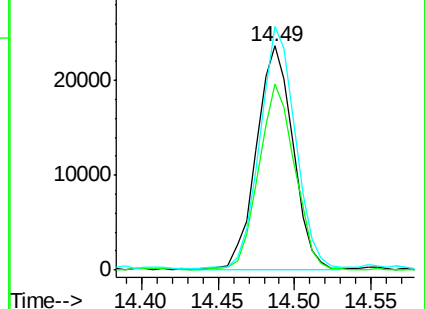
157 106.5 55.5 166.3

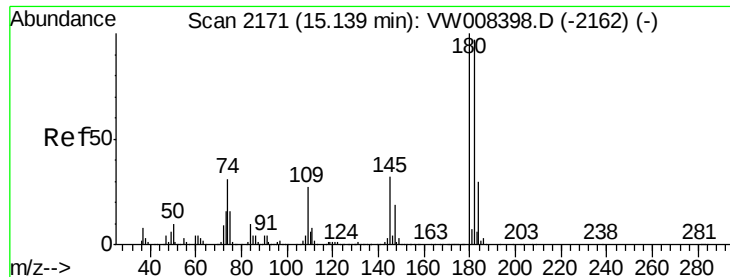


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

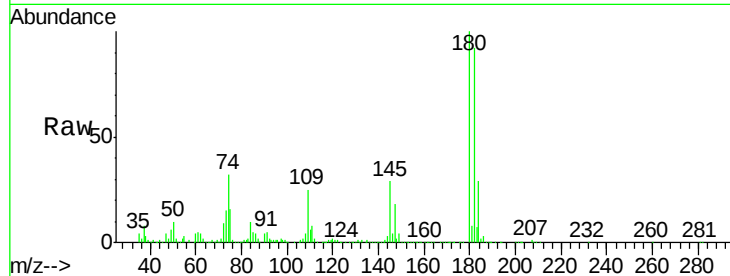




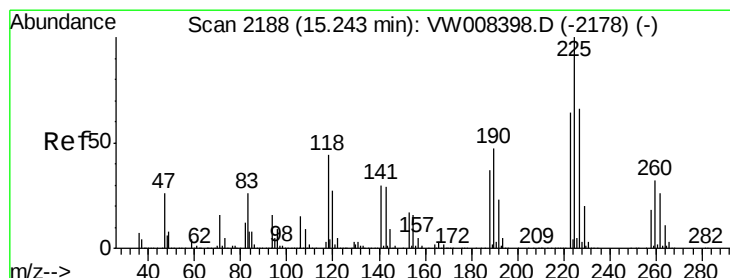
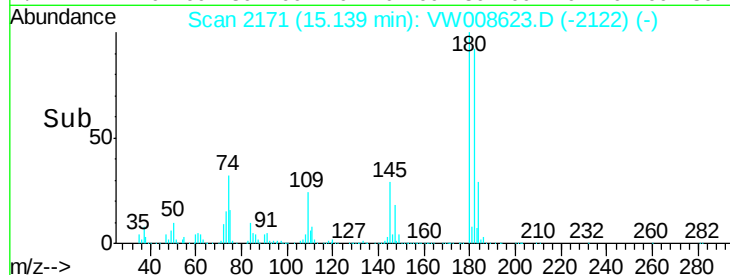
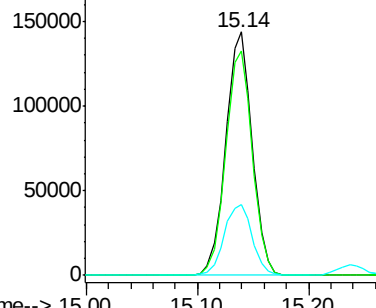
#93
 1,2,4-Trichlorobenzene
 Concen: 40.032 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008623.D
 Acq: 12 Feb 2019 15:24

Instrument :
 MSVOA_W
 ClientSampleId :
 K1457-11MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.9	143.7
145	30.7	15.5	46.5

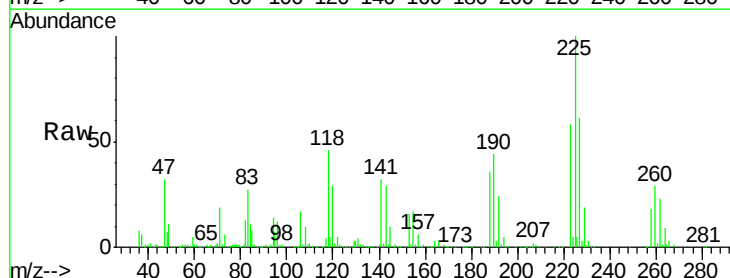


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

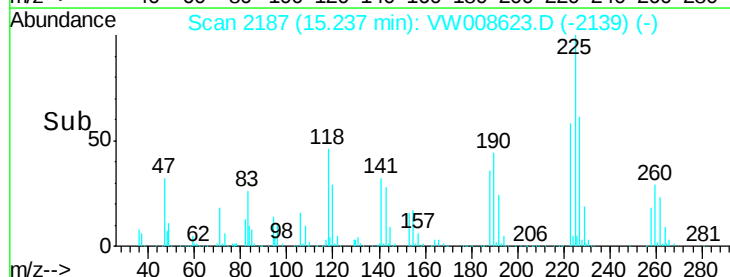
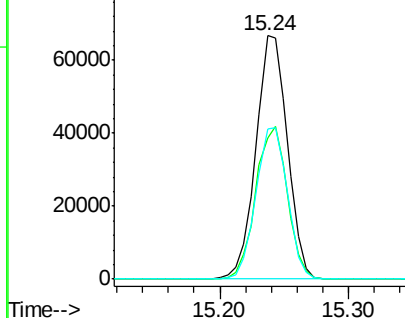


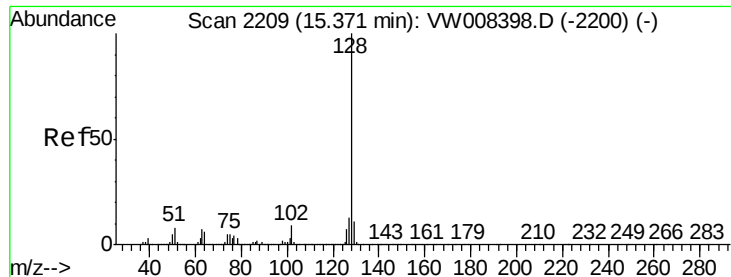
#94
 Hexachlorobutadiene
 Concen: 31.572 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW008623.D
 Acq: 12 Feb 2019 15:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.7	95.1
227	62.6	32.1	96.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

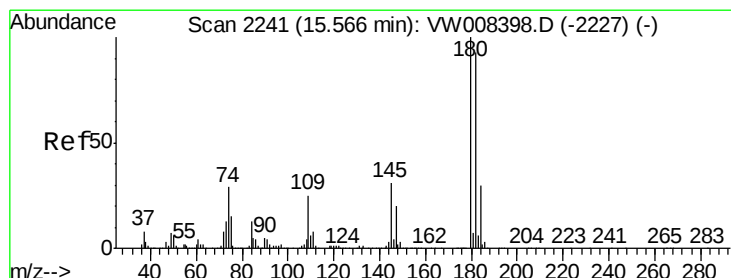
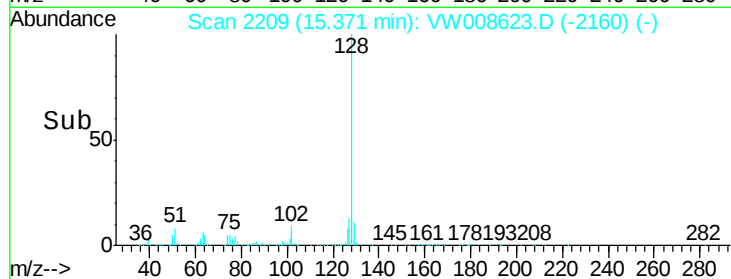
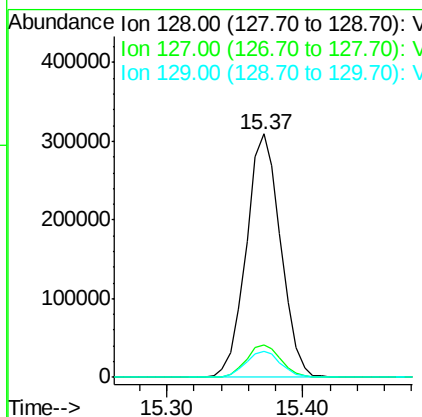
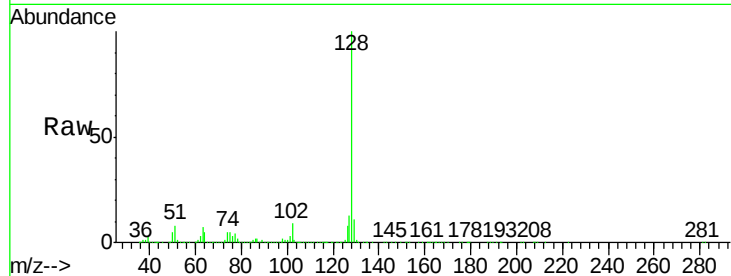




#95
Naphthalene
Concen: 52.586 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

Instrument :
MSVOA_W
ClientSampleId :
K1457-11MSD

Tot Ion:128 Resp: 546730
Ion Ratio Lower Upper
128 100
127 13.6 10.6 15.8
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 40.129 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008623.D
Acq: 12 Feb 2019 15:24

Tgt Ion:180 Resp: 201563
Ion Ratio Lower Upper
180 100
182 97.1 47.0 141.2
145 32.9 15.9 47.6

