

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
 Data File : VW014522.D
 Acq On : 06 Jan 2020 14:36
 Operator : SY/VA
 Sample : VW0106SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

Quant Time: Jan 07 02:40:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	927460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1383616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1186446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	579534	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	390342	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
35) Dibromofluoromethane	7.88	113	381538	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
50) Toluene-d8	10.32	98	1578818	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
62) 4-Bromofluorobenzene	12.62	95	529647	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	106843	20.403	ug/l	99
3) Chloromethane	2.21	50	129080	20.138	ug/l	99
4) Vinyl Chloride	2.35	62	191255	20.287	ug/l	99
5) Bromomethane	2.77	94	115694	19.865	ug/l	99
6) Chloroethane	2.91	64	104744	19.490	ug/l	99
7) Trichlorofluoromethane	3.25	101	97554	20.681	ug/l	98
8) Diethyl Ether	3.67	74	86356	18.400	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	173659	19.704	ug/l	100
10) Methyl Iodide	4.26	142	250534	18.840	ug/l	98
11) Tert butyl alcohol	5.15	59	65046	89.294	ug/l	100
12) 1,1-Dichloroethene	4.03	96	177326	19.213	ug/l	97
13) Acrolein	3.89	56	63769	90.101	ug/l	99
14) Allyl chloride	4.66	41	282520	20.031	ug/l	98
15) Acrylonitrile	5.36	53	194151	90.502	ug/l	98
16) Acetone	4.11	43	204158	89.164	ug/l	98
17) Carbon Disulfide	4.38	76	539390	19.390	ug/l	96
18) Methyl Acetate	4.66	43	98941	17.892	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	220666	19.260	ug/l	97
20) Methylene Chloride	4.92	84	210473	20.017	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	191215	19.511	ug/l	95
22) Diisopropyl ether	6.31	45	527655	19.987	ug/l	97
23) Vinyl Acetate	6.25	43	1512124	94.854	ug/l	98
24) 1,1-Dichloroethane	6.21	63	330004	19.817	ug/l	98
25) 2-Butanone	7.17	43	267928	91.181	ug/l	95
26) 2,2-Dichloropropane	7.16	77	191741	20.797	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	200520	19.472	ug/l	96
28) Bromochloromethane	7.51	49	114700	17.569	ug/l	# 11
29) Tetrahydrofuran	7.52	42	160909	88.394	ug/l	97
30) Chloroform	7.67	83	309026	19.844	ug/l	98
31) Cyclohexane	7.95	56	338061	19.534	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	248913	19.875	ug/l	98
36) 1,1-Dichloropropene	8.08	75	264613	19.838	ug/l	99
37) Ethyl Acetate	7.24	43	112245	18.554	ug/l	98
38) Carbon Tetrachloride	8.07	117	230499	19.919	ug/l	99

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 ALS Vial : 7 Sample Multiplier: 1

Instrument :
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 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	328540	19.193	ug/l	96
40) Benzene	8.32	78	748492	19.833	ug/l	99
41) Methacrylonitrile	7.48	41	59499	17.644	ug/l	95
42) 1,2-Dichloroethane	8.40	62	193044	19.711	ug/l	98
43) Isopropyl Acetate	8.42	43	200558	18.257	ug/l	99
44) Trichloroethene	9.09	130	199387	19.525	ug/l	97
45) 1,2-Dichloropropane	9.37	63	182378	19.693	ug/l	100
46) Dibromomethane	9.46	93	85647	18.733	ug/l	98
47) Bromodichloromethane	9.64	83	222847	19.743	ug/l	100
48) Methyl methacrylate	9.43	41	97233	18.129	ug/l	99
49) 1,4-Dioxane	9.44	88	28475	333.003	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	522697	91.626	ug/l	99
52) Toluene	10.38	92	466865	19.664	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	221462	18.950	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	273110	19.121	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	125639	18.816	ug/l	99
56) Ethyl methacrylate	10.65	69	157612	18.163	ug/l	98
57) 1,3-Dichloropropane	10.93	76	221417	18.868	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	239600	90.787	ug/l	99
59) 2-Hexanone	10.96	43	357917	91.049	ug/l	99
60) Dibromochloromethane	11.13	129	140892	18.701	ug/l	100
61) 1,2-Dibromoethane	11.23	107	115313	18.194	ug/l	99
64) Tetrachloroethene	10.86	164	166616	19.398	ug/l	98
65) Chlorobenzene	11.66	112	474815	19.534	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	155499	19.001	ug/l	99
67) Ethyl Benzene	11.73	91	853078	19.475	ug/l	98
68) m/p-Xylenes	11.83	106	660570	39.402	ug/l	99
69) o-Xylene	12.16	106	299397	19.333	ug/l	99
70) Styrene	12.18	104	515725	19.689	ug/l	99
71) Bromoform	12.35	173	79311	17.767	ug/l #	99
73) Isopropylbenzene	12.46	105	830609	19.533	ug/l	100
74) N-amyl acetate	12.27	43	176042	18.463	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	141798	18.475	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	180704	32.979	ug/l #	100
77) Bromobenzene	12.74	156	192079	19.448	ug/l	99
78) n-propylbenzene	12.80	91	999784	19.994	ug/l	98
79) 2-Chlorotoluene	12.89	91	561588	19.736	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	709145	19.862	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	44552	18.116	ug/l	96
82) 4-Chlorotoluene	12.99	91	584088	19.757	ug/l	99
83) tert-Butylbenzene	13.21	119	603343	19.301	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	704404	19.825	ug/l	99
85) sec-Butylbenzene	13.38	105	853306	19.721	ug/l	100
86) p-Isopropyltoluene	13.49	119	777642	19.717	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	367430	19.132	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	368667	19.444	ug/l	99
89) n-Butylbenzene	13.82	91	722851	19.737	ug/l	99
90) Hexachloroethane	14.09	117	131432	19.076	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	324425	19.219	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22089	18.174	ug/l	92

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Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	209714	18.397	ug/l	98
94) Hexachlorobutadiene	15.23	225	147408	19.297	ug/l	97
95) Naphthalene	15.36	128	322072	16.567	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	176397	17.753	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

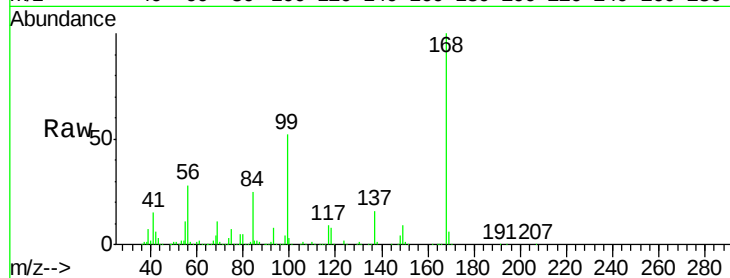
VW0106SBS01

Tgt Ion:168 Resp: 927460

Ion Ratio Lower Upper

168 100

99 51.5 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

400000

300000

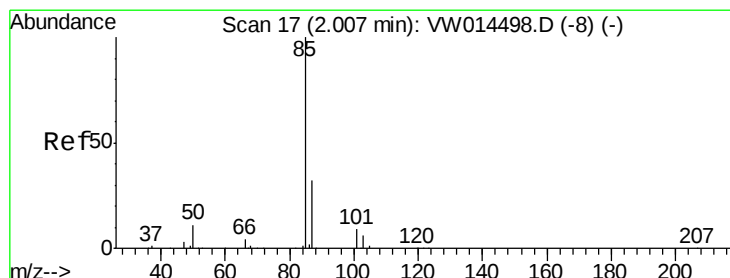
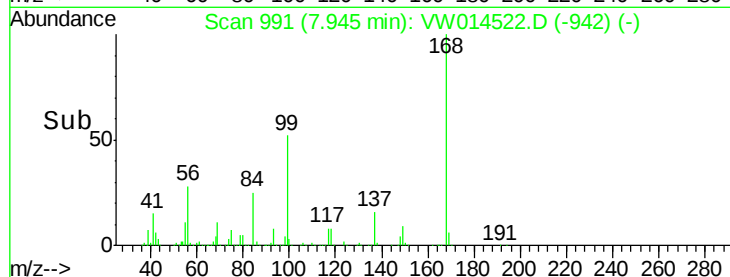
200000

100000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.403 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014522.D

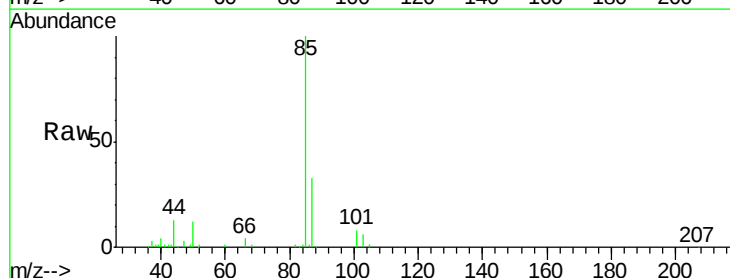
Acq: 06 Jan 2020 14:36

Tgt Ion: 85 Resp: 106843

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

40000

30000

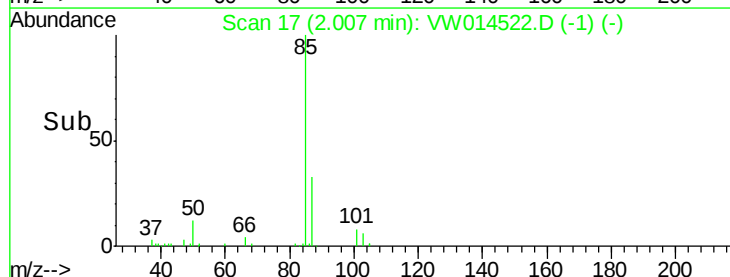
20000

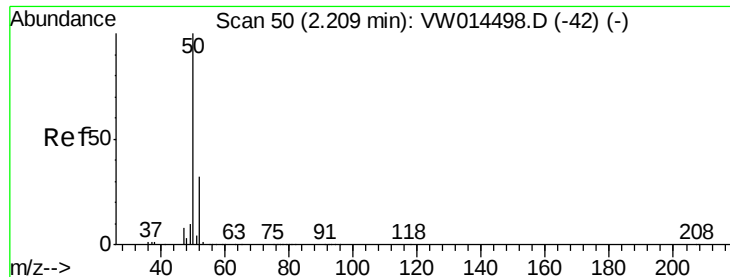
10000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 20.138 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

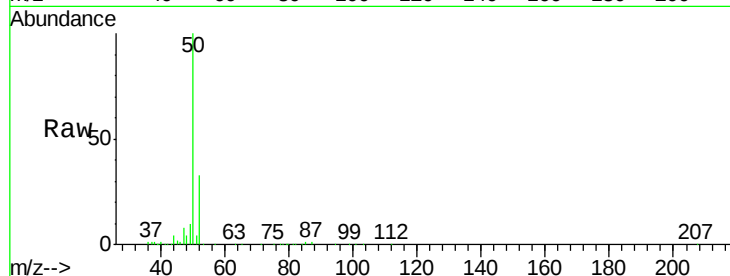
VW0106SBS01

Tgt Ion: 50 Resp: 129080

Ion Ratio Lower Upper

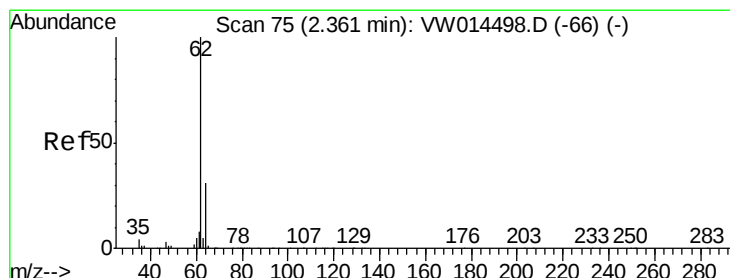
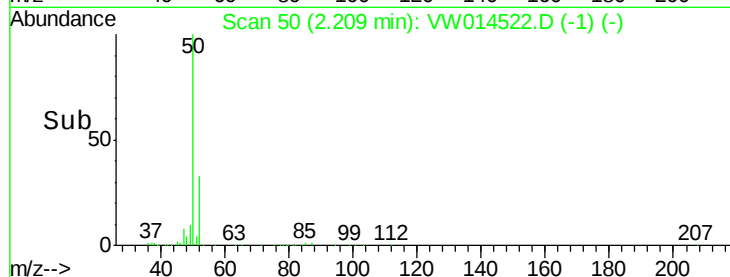
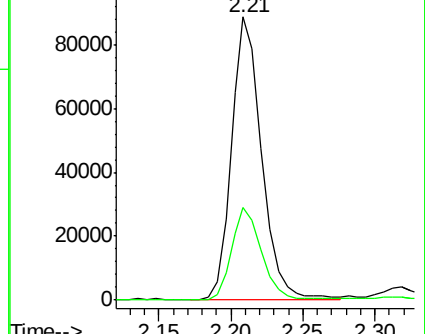
50 100

52 32.9 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.287 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014522.D

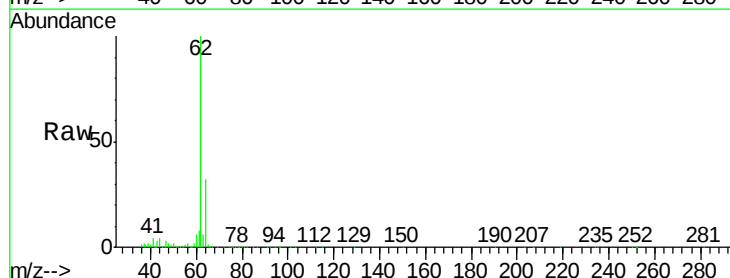
Acq: 06 Jan 2020 14:36

Tgt Ion: 62 Resp: 191255

Ion Ratio Lower Upper

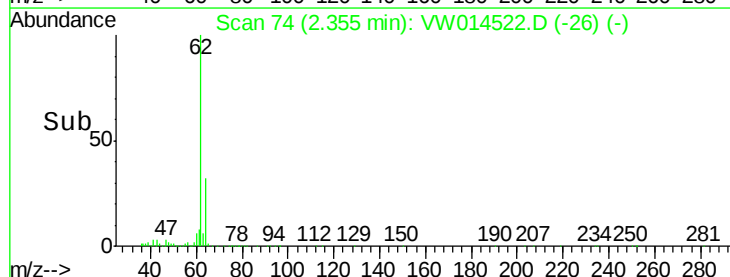
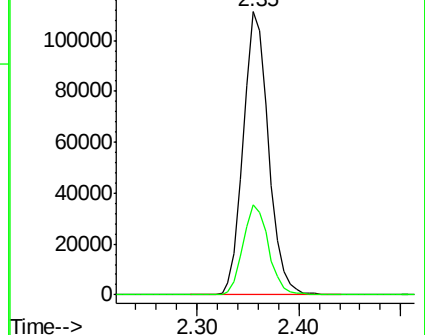
62 100

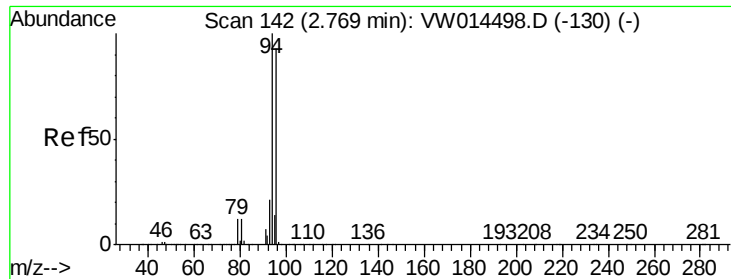
64 31.5 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 19.865 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

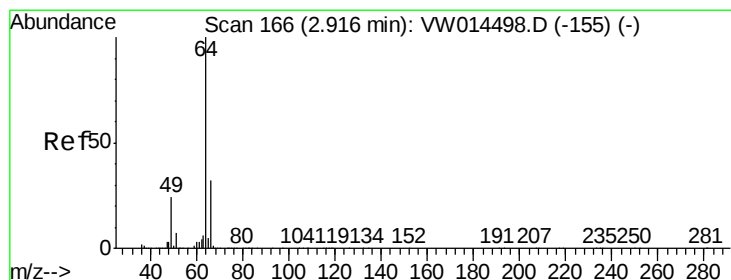
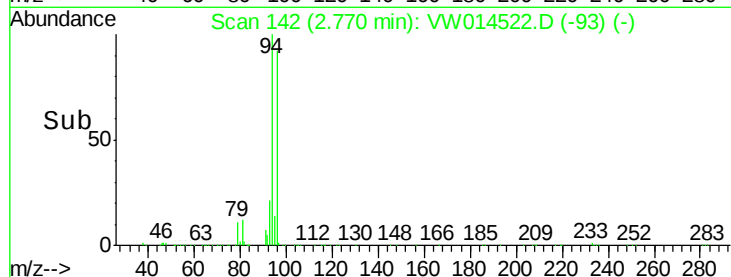
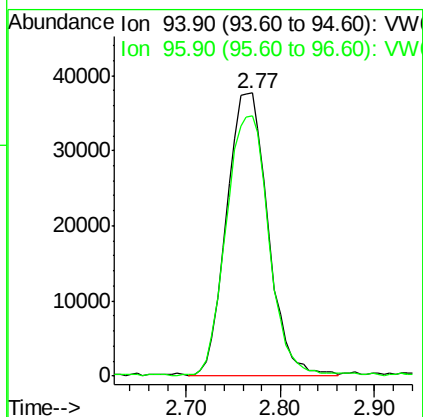
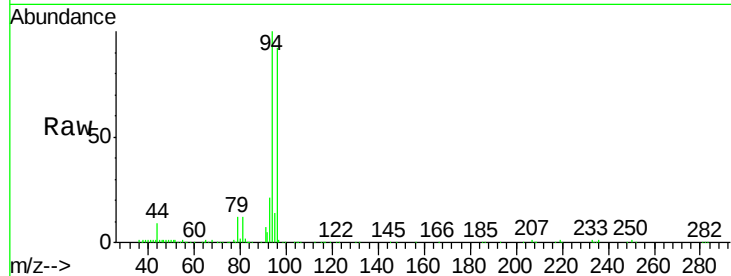
VW0106SBS01

Tgt Ion: 94 Resp: 115694

Ion Ratio Lower Upper

94 100

96 91.4 74.2 111.2



#6

Chloroethane

Concen: 19.490 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW014522.D

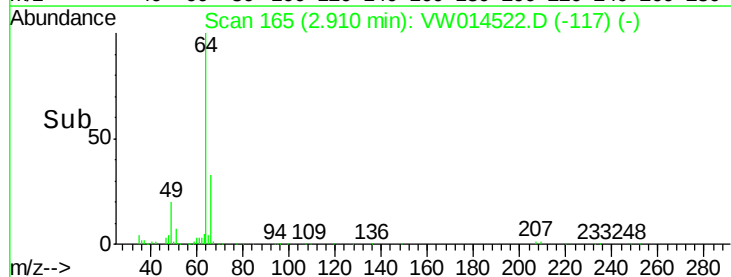
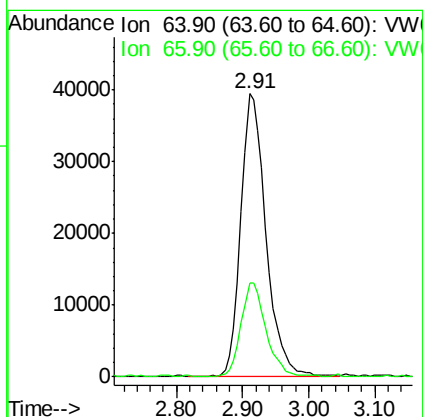
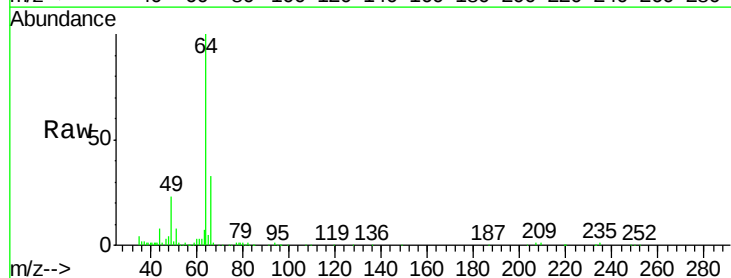
Acq: 06 Jan 2020 14:36

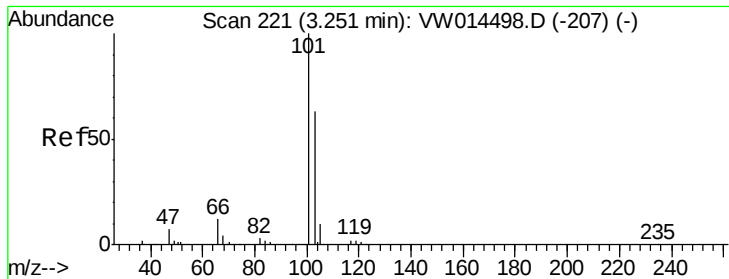
Tgt Ion: 64 Resp: 104744

Ion Ratio Lower Upper

64 100

66 32.7 25.7 38.5



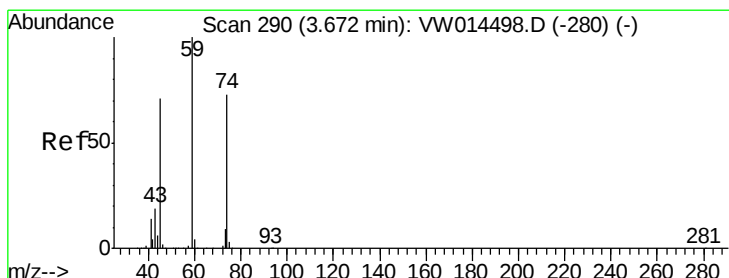
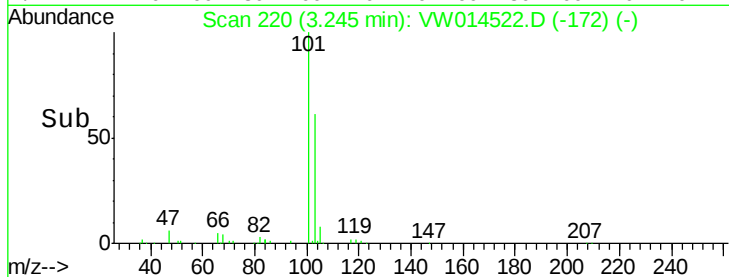
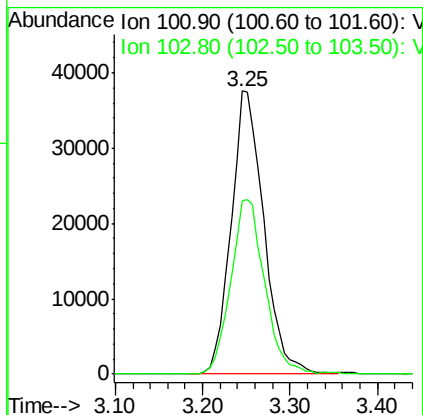
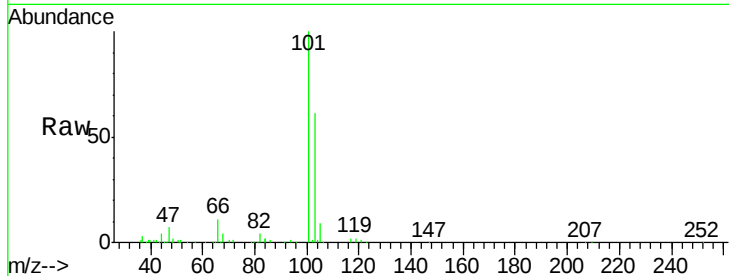


#7

Trichlorofluoromethane
 Concen: 20.681 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

Instrument :
 MSVOA_W
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 VW0106SBS01

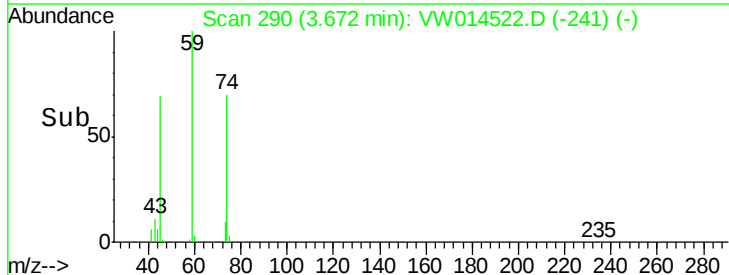
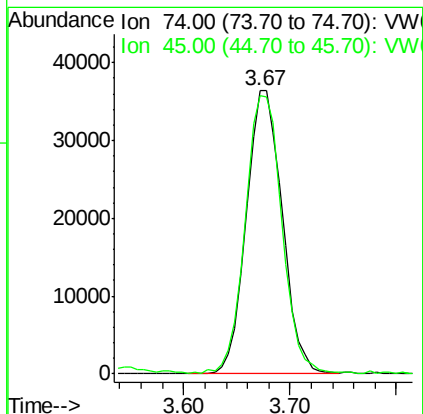
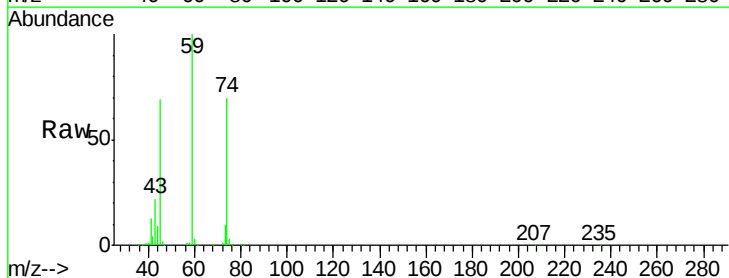
Tgt Ion:101 Resp: 97554
 Ion Ratio Lower Upper
 101 100
 103 61.1 50.1 75.1

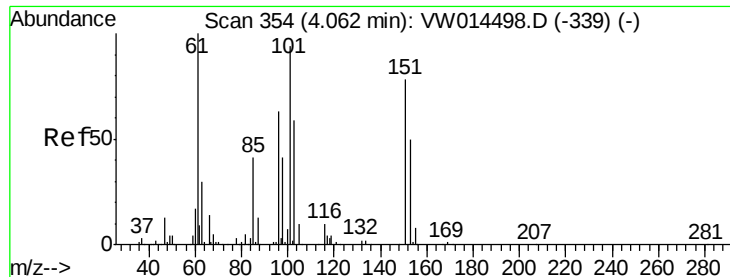


#8

Diethyl Ether
 Concen: 18.400 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

Tgt Ion: 74 Resp: 86356
 Ion Ratio Lower Upper
 74 100
 45 99.9 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.704 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

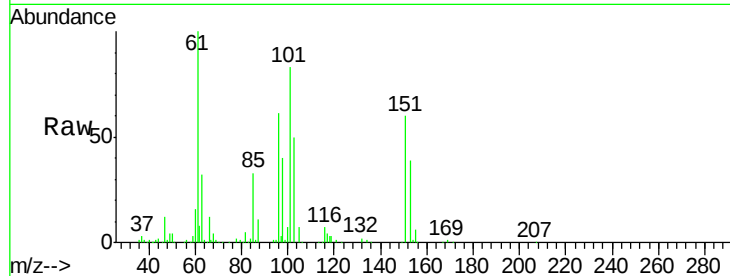
Tgt Ion:101 Resp: 173659

Ion Ratio Lower Upper

101 100

85 42.6 33.7 50.5

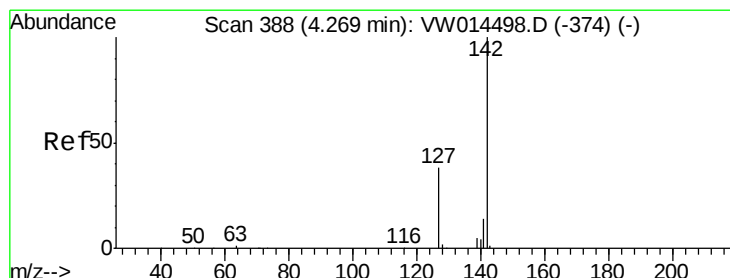
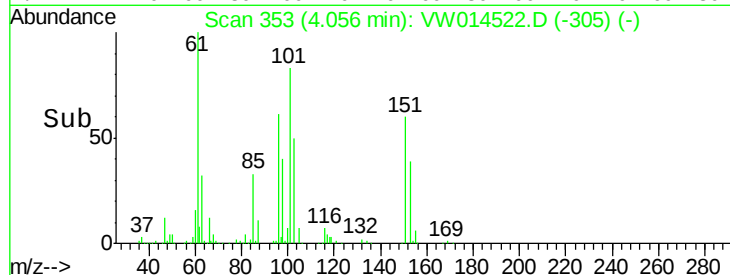
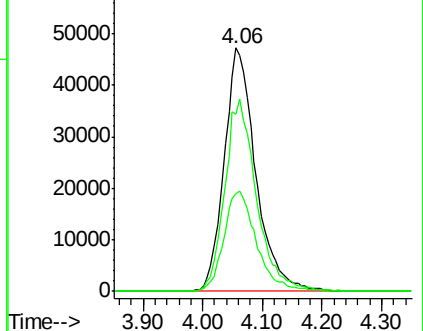
151 79.3 63.5 95.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.840 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

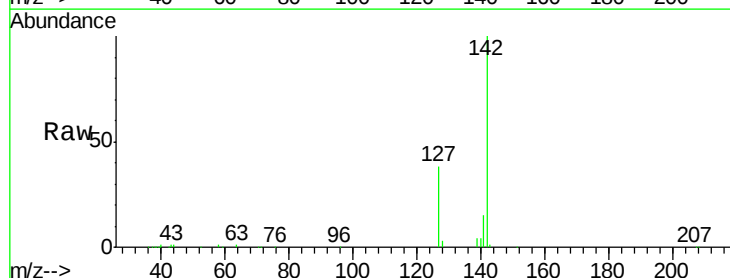
Tgt Ion:142 Resp: 250534

Ion Ratio Lower Upper

142 100

127 39.2 30.2 45.4

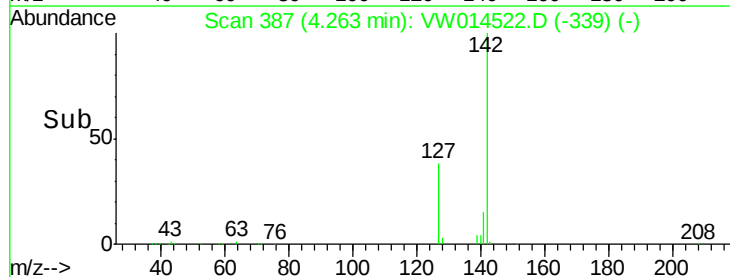
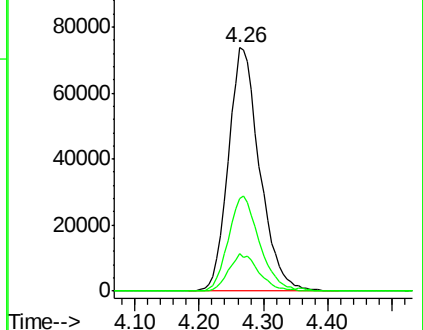
141 14.9 11.4 17.2

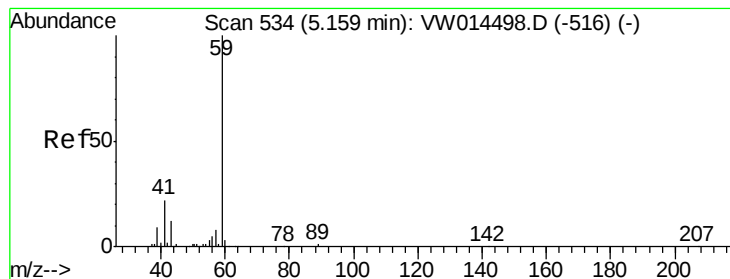


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 89.294 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

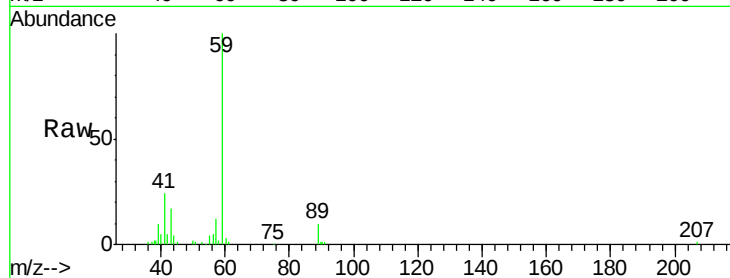
VW0106SBS01

Tgt Ion: 59 Resp: 65046

Ion Ratio Lower Upper

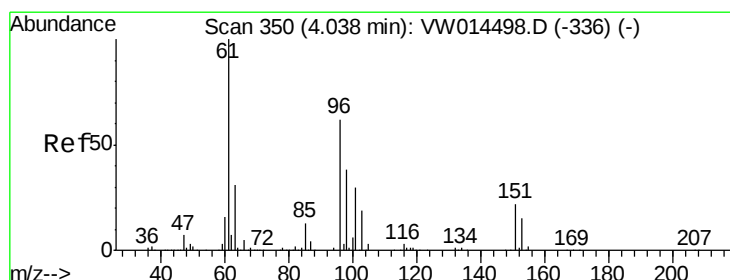
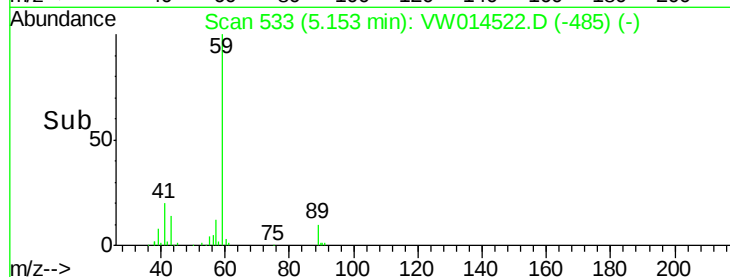
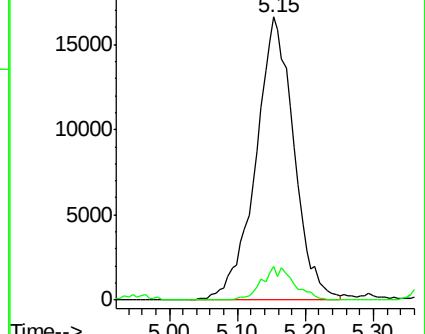
59 100

57 9.8 7.8 11.8



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 19.213 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

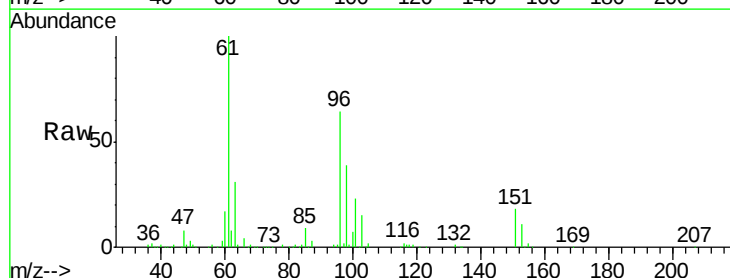
Tgt Ion: 96 Resp: 177326

Ion Ratio Lower Upper

96 100

61 155.5 128.4 192.6

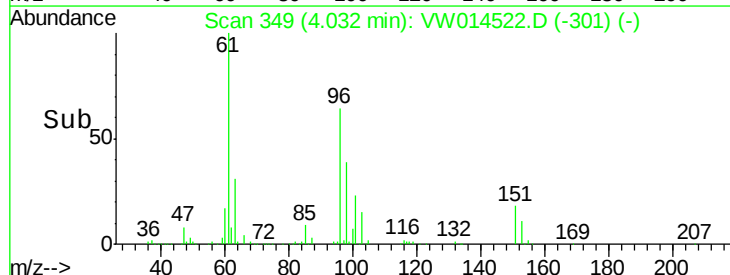
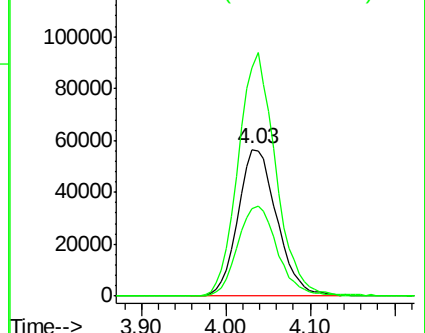
98 60.0 49.1 73.7

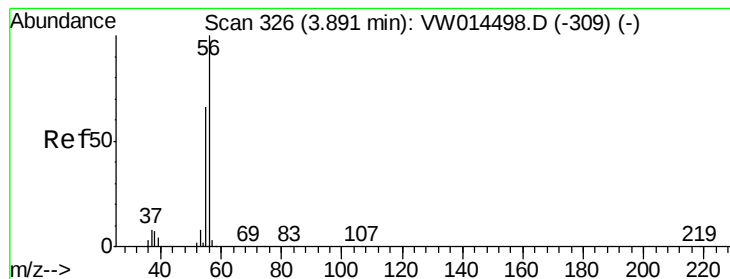


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 90.101 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

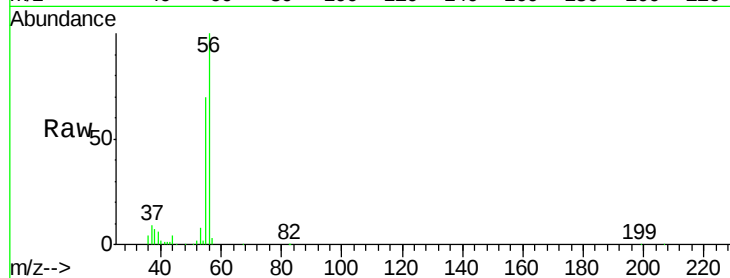
VW0106SBS01

Tgt Ion: 56 Resp: 63769

Ion Ratio Lower Upper

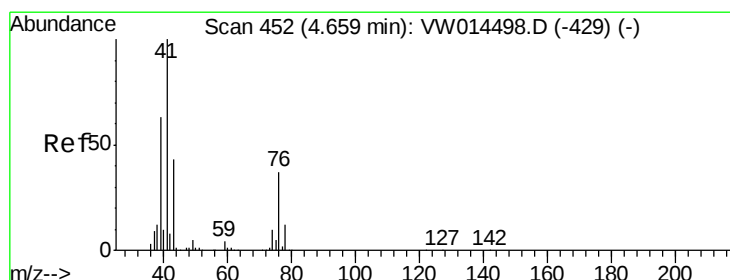
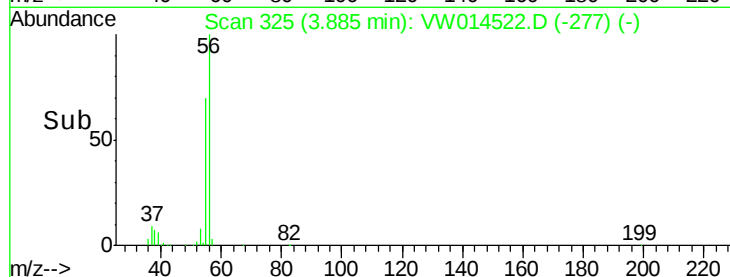
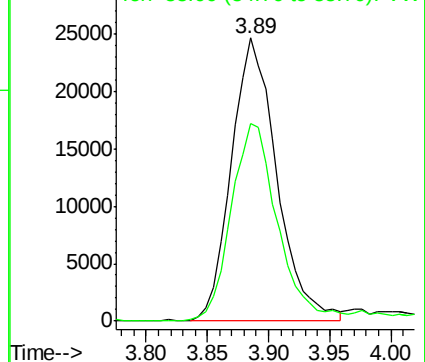
56 100

55 71.4 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 20.031 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

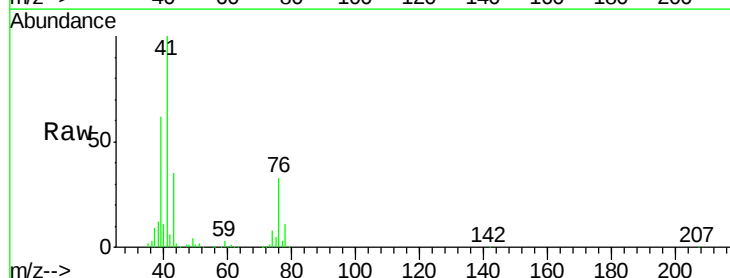
Tgt Ion: 41 Resp: 282520

Ion Ratio Lower Upper

41 100

39 62.5 48.5 72.7

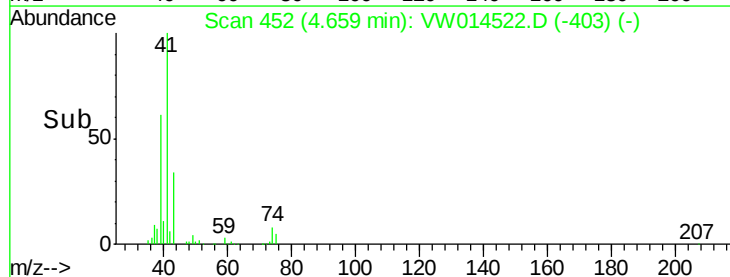
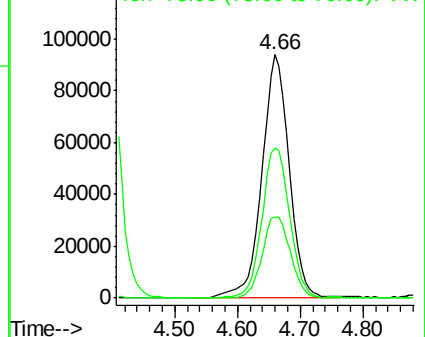
76 34.5 28.1 42.1

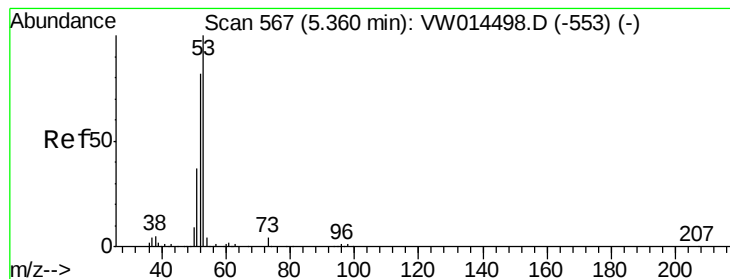


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 90.502 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

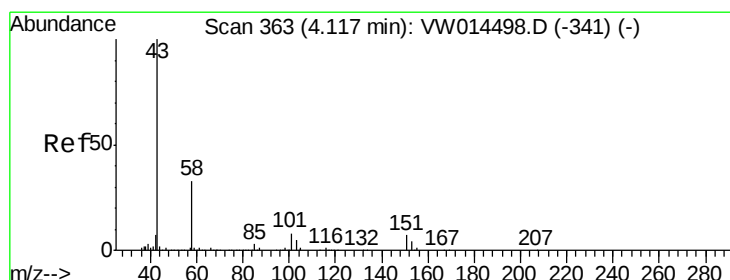
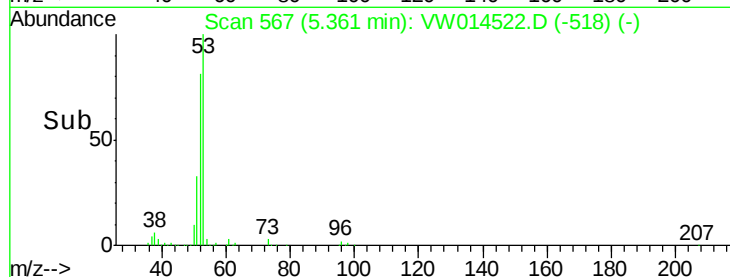
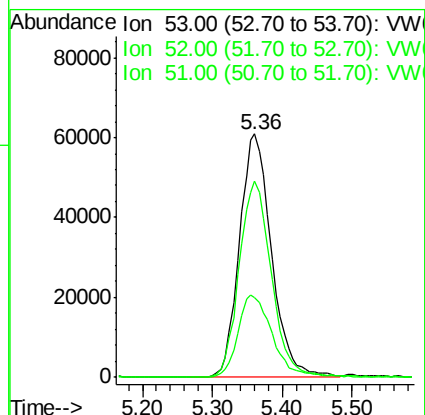
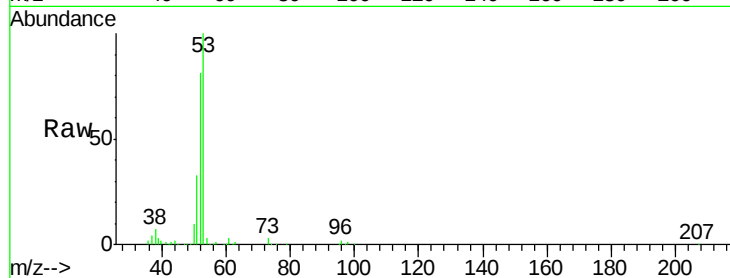
Tgt Ion: 53 Resp: 194151

Ion Ratio Lower Upper

53 100

52 80.7 66.5 99.7

51 36.4 28.4 42.6



#16

Acetone

Concen: 89.164 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW014522.D

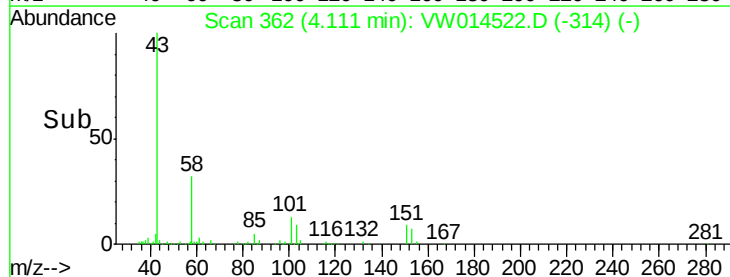
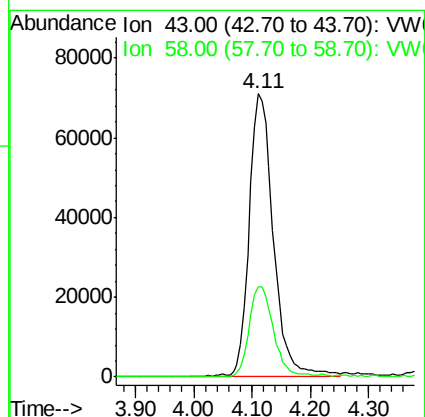
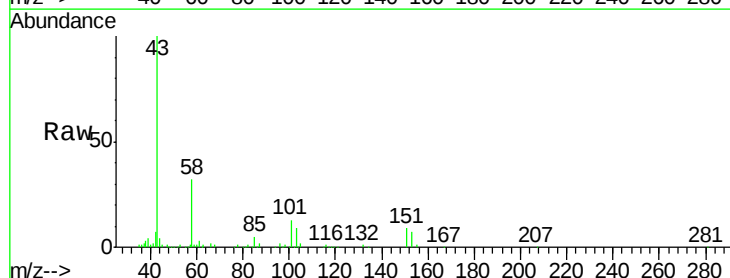
Acq: 06 Jan 2020 14:36

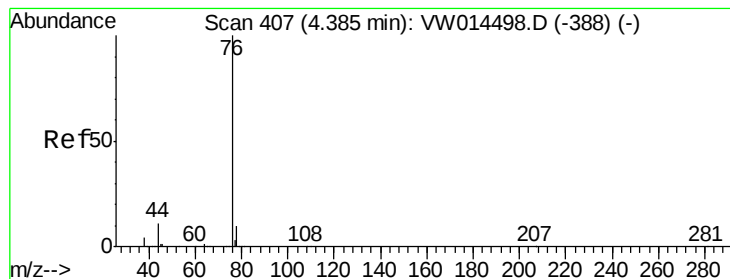
Tgt Ion: 43 Resp: 204158

Ion Ratio Lower Upper

43 100

58 31.8 26.6 39.8





#17

Carbon Disulfide

Concen: 19.390 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

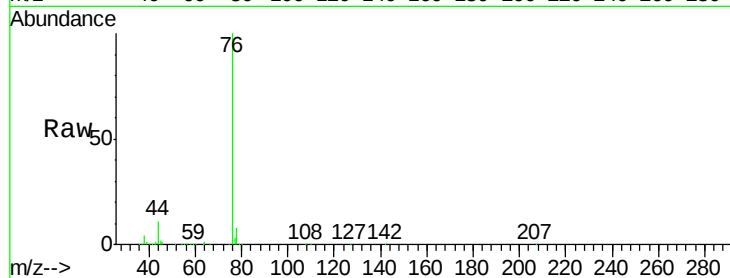
VW0106SBS01

Tgt Ion: 76 Resp: 539390

Ion Ratio Lower Upper

76 100

78 8.2 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

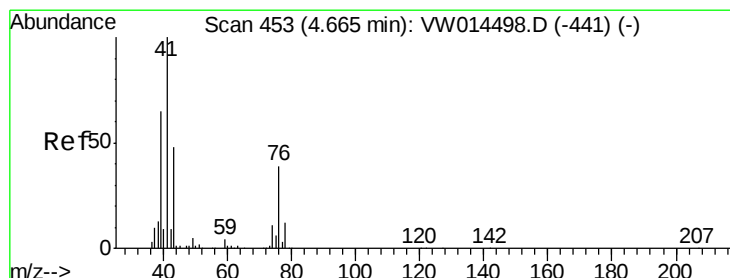
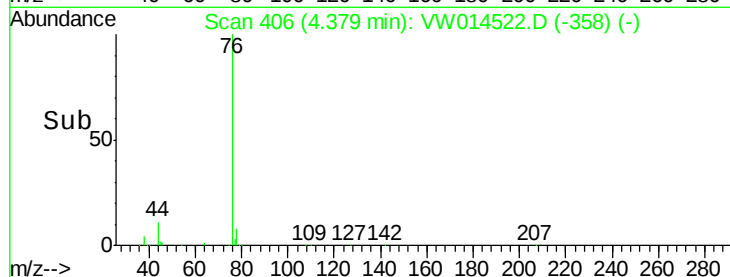
150000

100000

50000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 17.892 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW014522.D

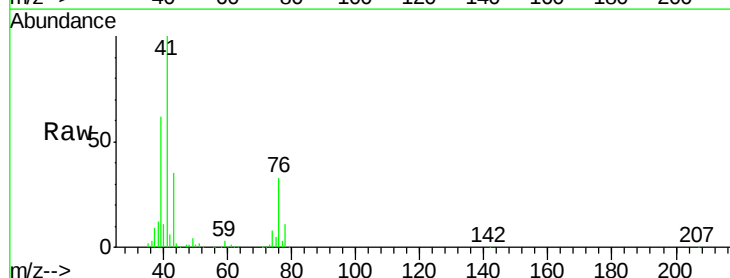
Acq: 06 Jan 2020 14:36

Tgt Ion: 43 Resp: 98941

Ion Ratio Lower Upper

43 100

74 24.8 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.66

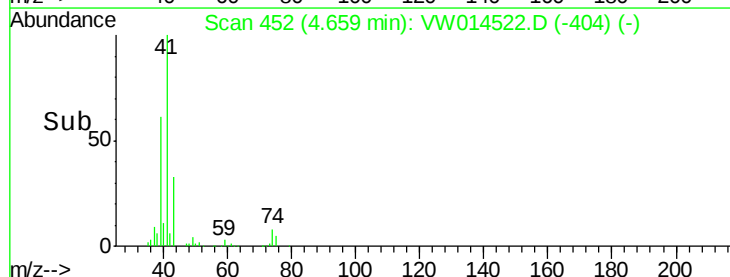
30000

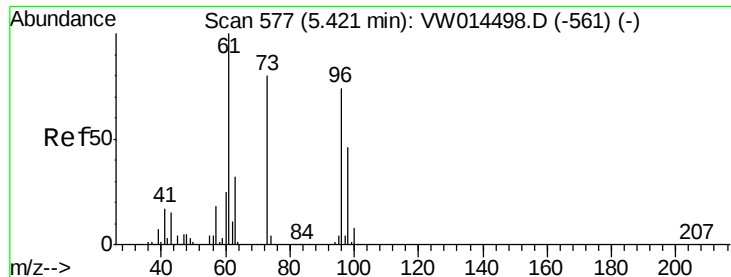
20000

10000

0

Time--> 4.50 4.60 4.70 4.80

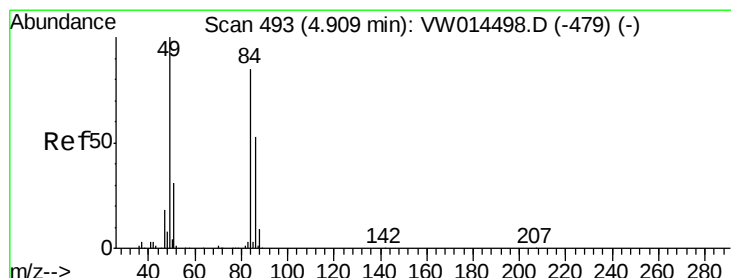
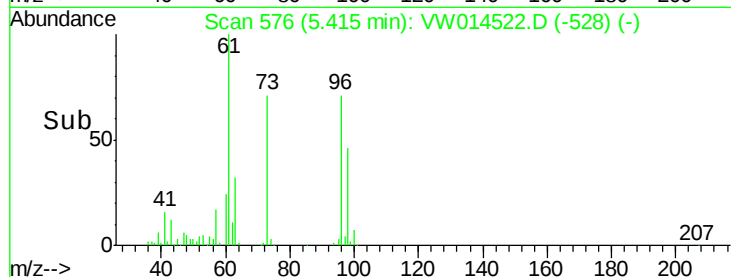
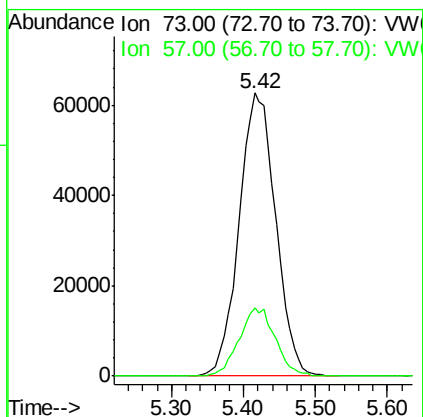
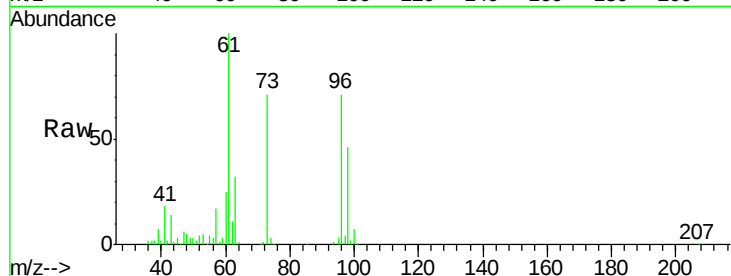




#19
Methyl tert-butyl Ether
Concen: 19.260 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014522.D
Acq: 06 Jan 2020 14:36

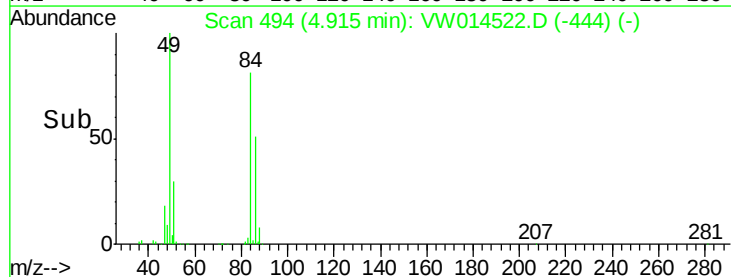
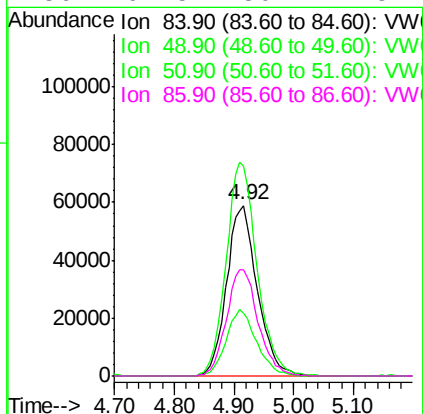
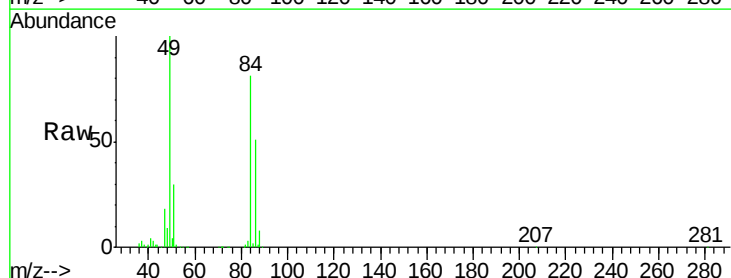
Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

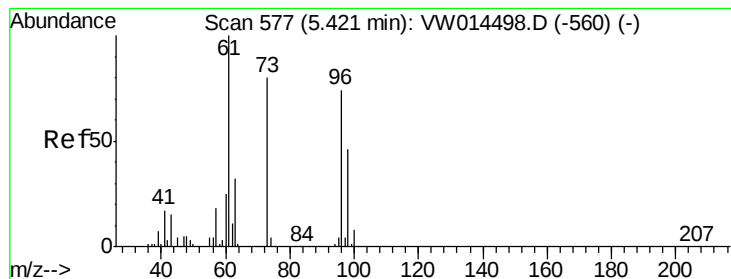
Tgt Ion: 73 Resp: 220666
Ion Ratio Lower Upper
73 100
57 24.1 18.1 27.1



#20
Methylene Chloride
Concen: 20.017 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014522.D
Acq: 06 Jan 2020 14:36

Tgt Ion: 84 Resp: 210473
Ion Ratio Lower Upper
84 100
49 123.3 94.4 141.6
51 37.1 29.5 44.3
86 62.5 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 19.511 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

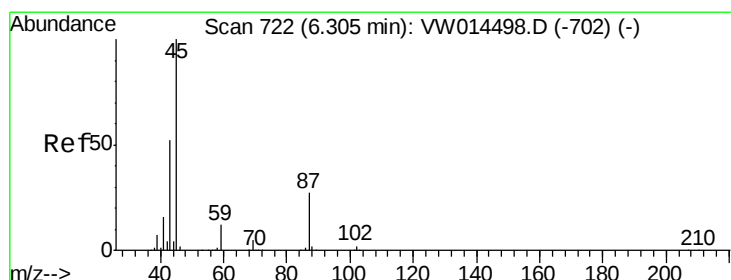
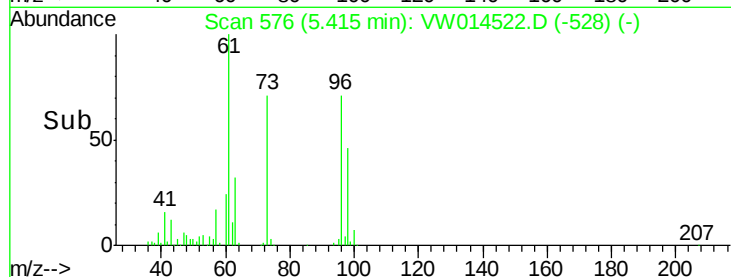
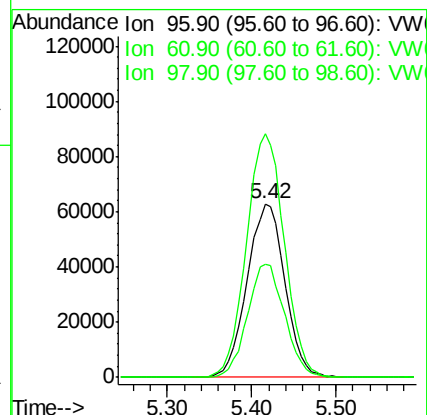
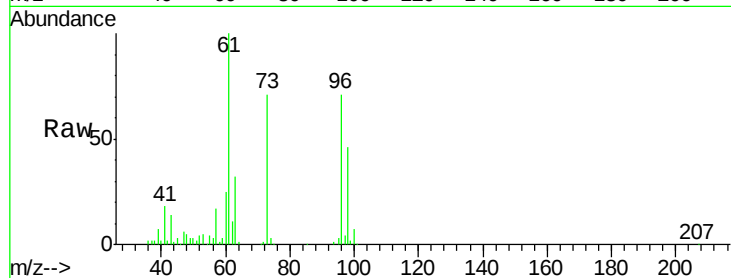
Tgt Ion: 96 Resp: 191215

Ion Ratio Lower Upper

96 100

61 140.3 107.8 161.6

98 65.1 49.4 74.0



#22

Diisopropyl ether

Concen: 19.987 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Tgt Ion: 45 Resp: 527655

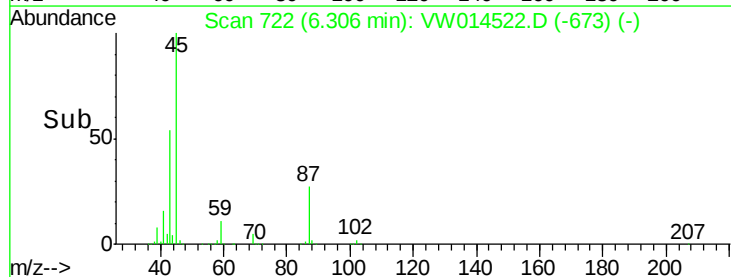
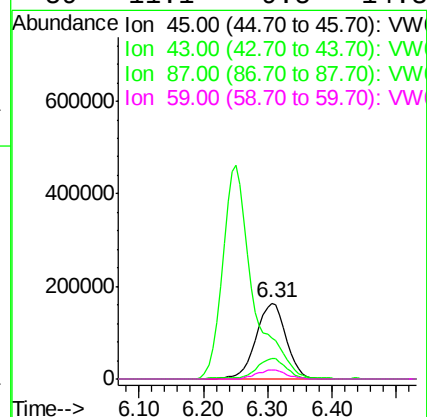
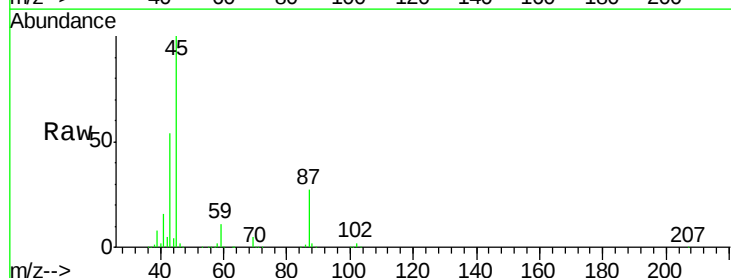
Ion Ratio Lower Upper

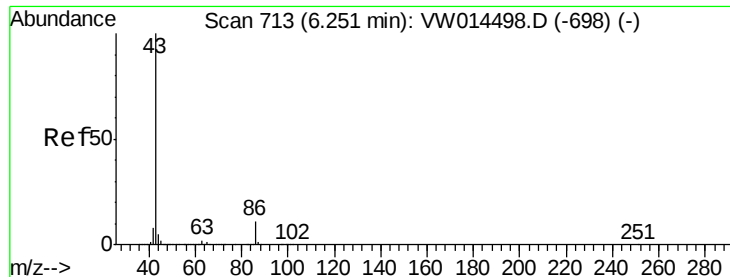
45 100

43 54.0 41.4 62.0

87 27.0 22.2 33.2

59 11.1 9.5 14.3





#23

Vinyl Acetate

Concen: 94.854 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

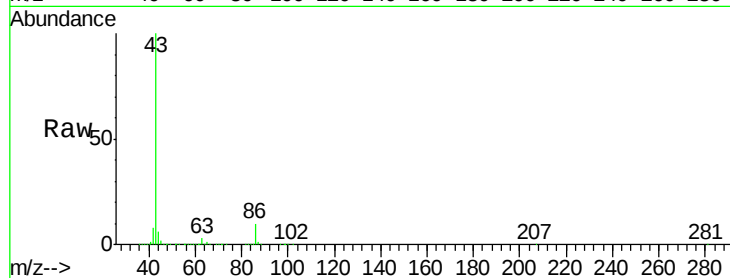
VW0106SBS01

Tgt Ion: 43 Resp: 1512124

Ion Ratio Lower Upper

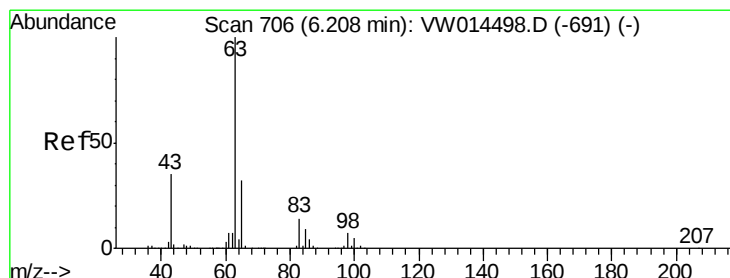
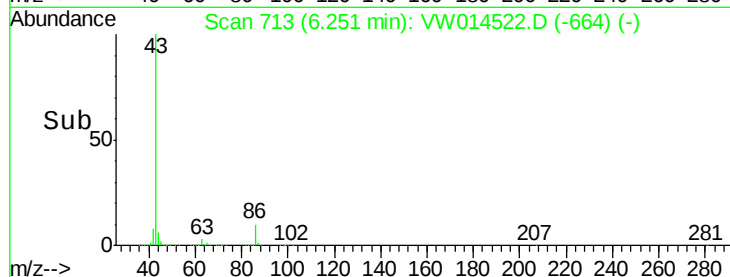
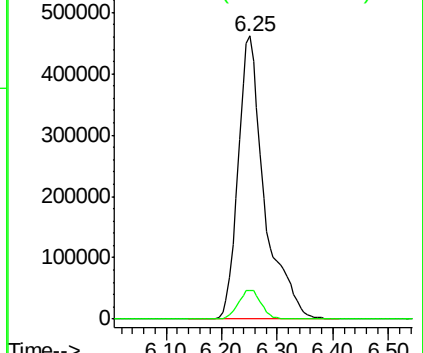
43 100

86 10.3 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.817 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

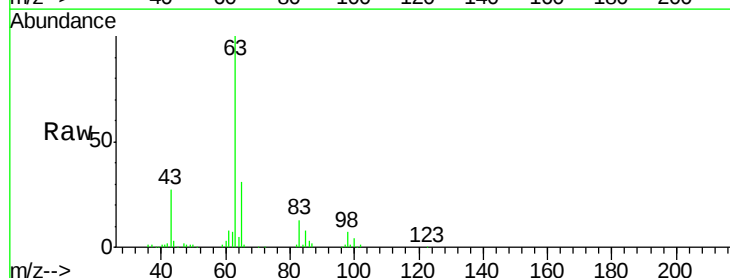
Tgt Ion: 63 Resp: 330004

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

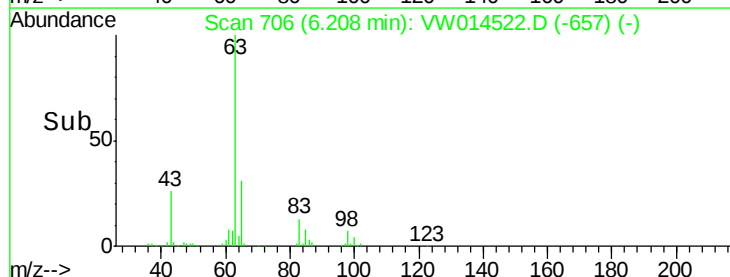
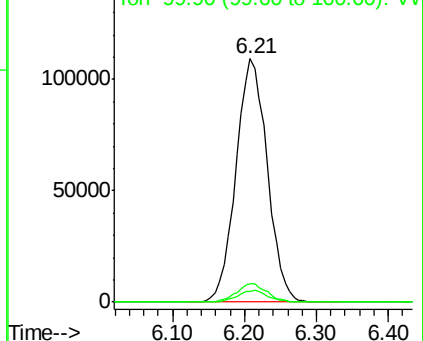
100 4.2 2.5 7.4

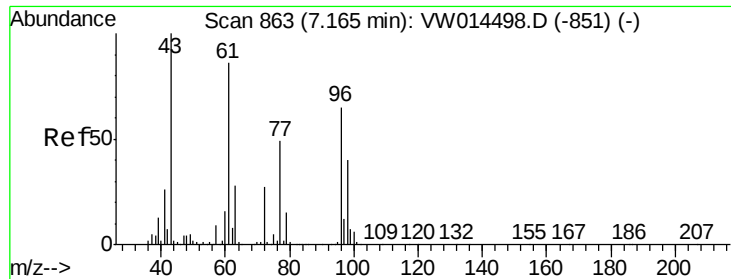


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 91.181 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampled :

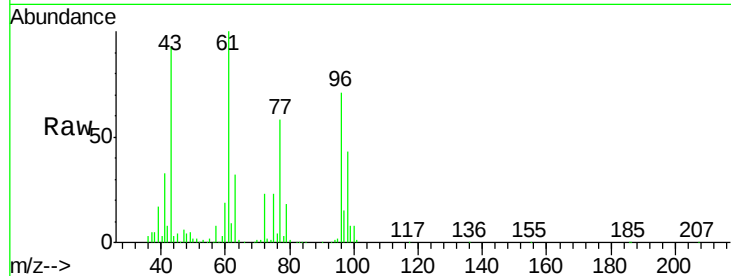
VW0106SBS01

Tgt Ion: 43 Resp: 267928

Ion Ratio Lower Upper

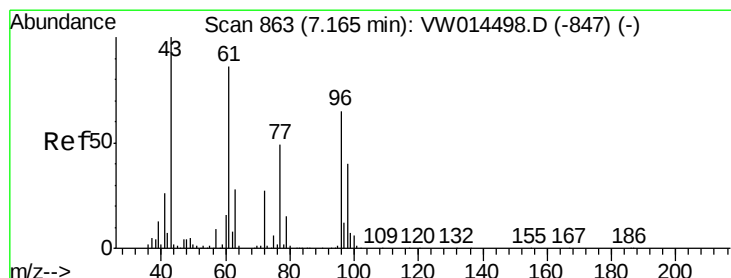
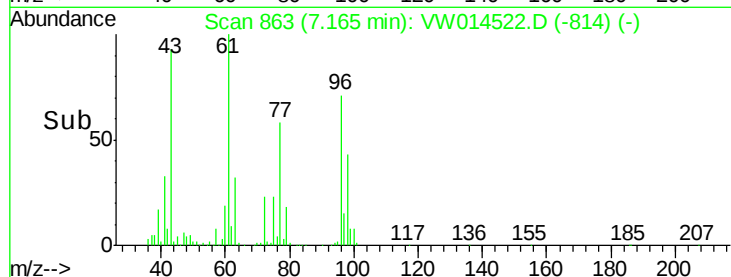
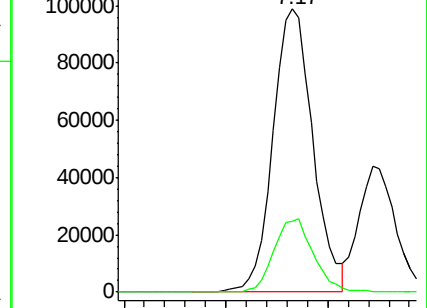
43 100

72 25.0 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 20.797 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014522.D

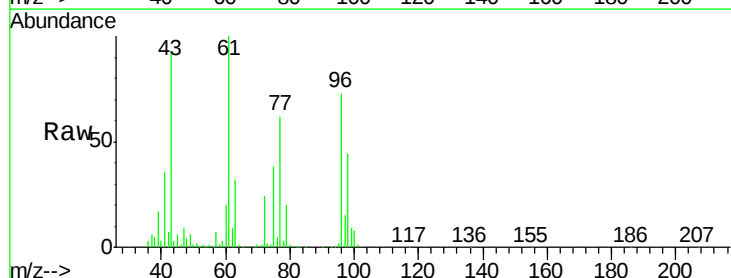
Acq: 06 Jan 2020 14:36

Tgt Ion: 77 Resp: 191741

Ion Ratio Lower Upper

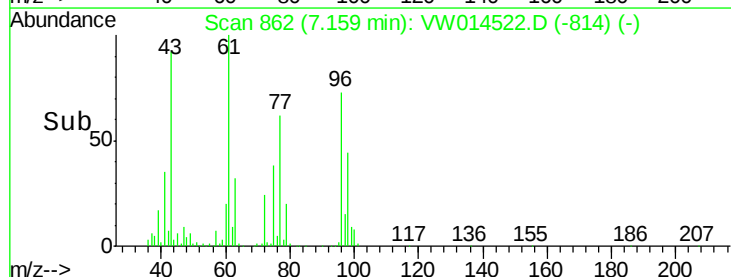
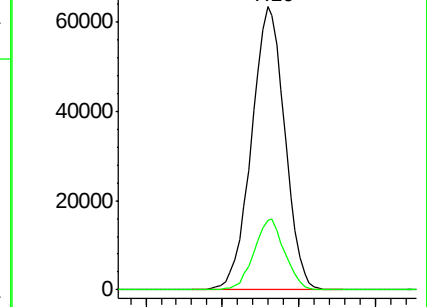
77 100

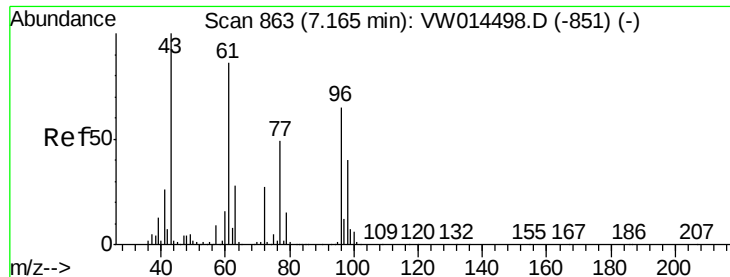
97 22.9 12.5 37.5



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



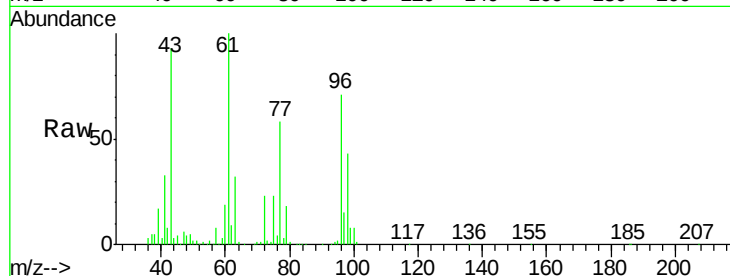


#27

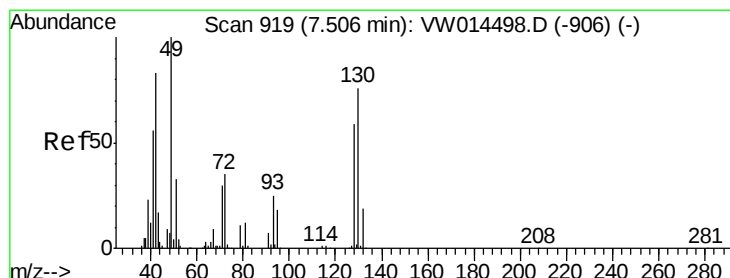
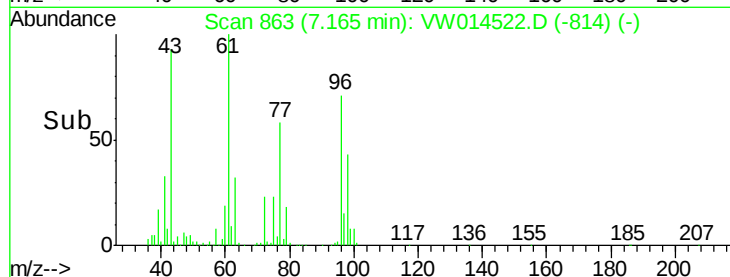
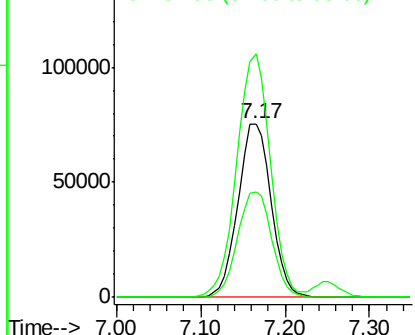
cis-1,2-Dichloroethene
Concen: 19.472 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014522.D
Acq: 06 Jan 2020 14:36

Instrument :
MSVOA_W
ClientSampled :
VW0106SBS01

Tgt Ion: 96 Resp: 200520
Ion Ratio Lower Upper
96 100
61 142.5 0.0 274.8
98 62.6 0.0 128.6



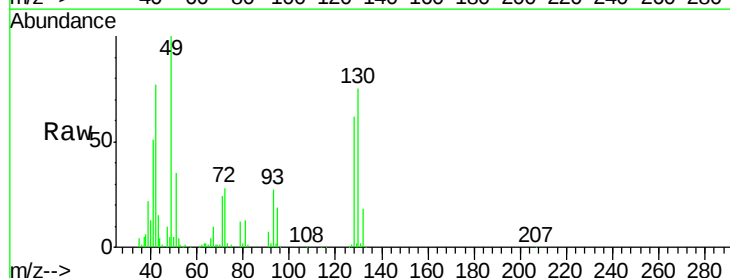
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



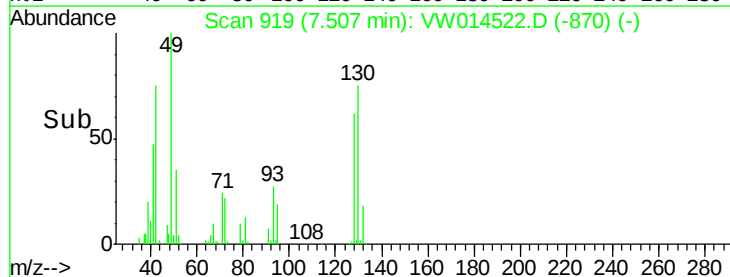
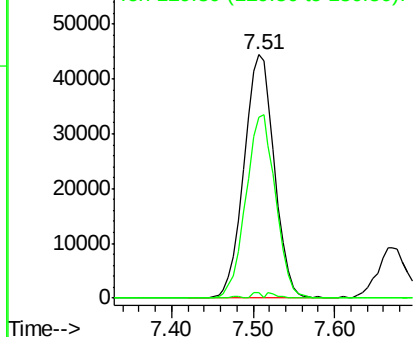
#28

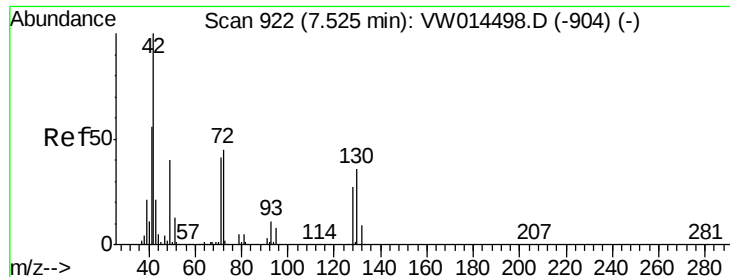
Bromochloromethane
Concen: 17.569 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW014522.D
Acq: 06 Jan 2020 14:36

Tgt Ion: 49 Resp: 114700
Ion Ratio Lower Upper
49 100
129 0.6 0.0 2.0
130 0.0 62.5 93.7#



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: 88.394 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

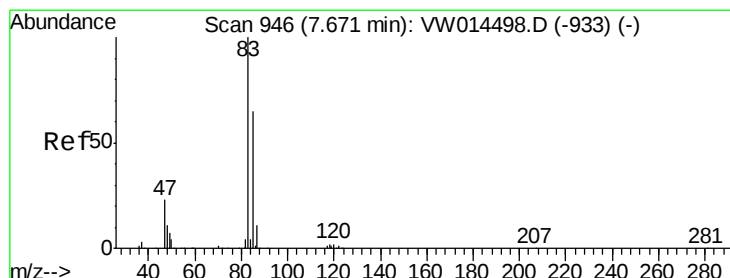
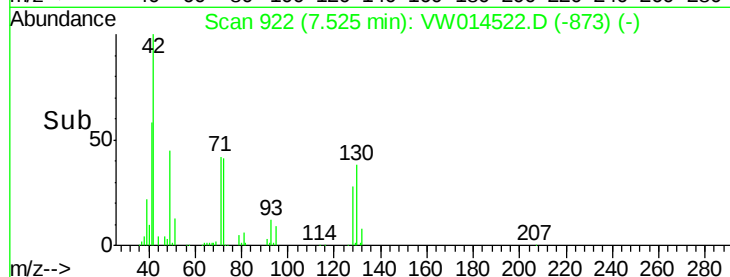
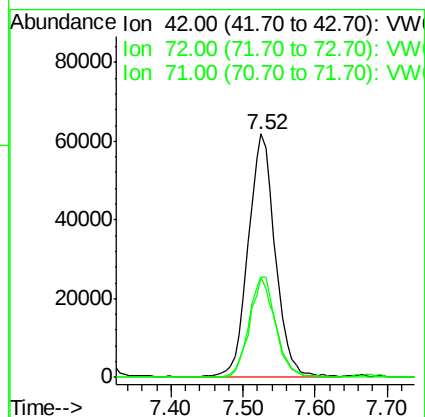
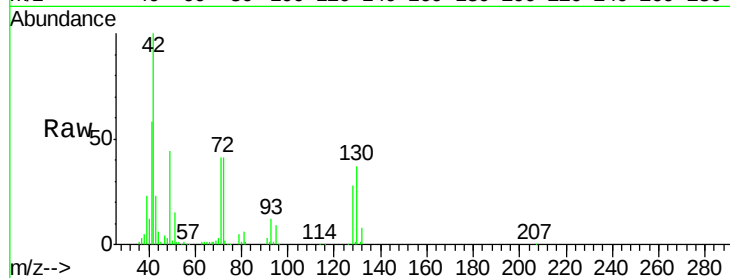
Tgt Ion: 42 Resp: 160909

Ion Ratio Lower Upper

42 100

72 41.4 34.5 51.7

71 38.5 32.0 48.0



#30

Chloroform

Concen: 19.844 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014522.D

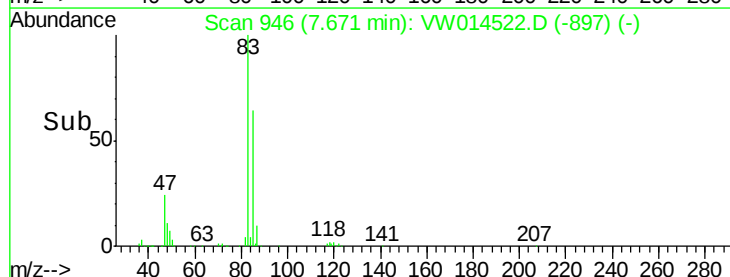
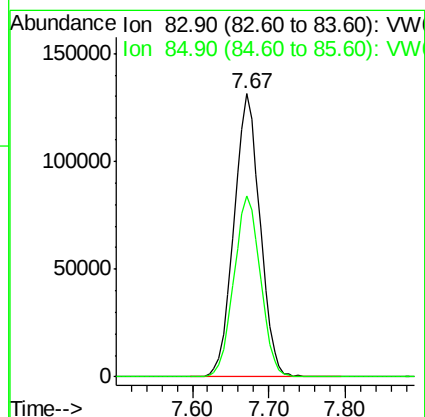
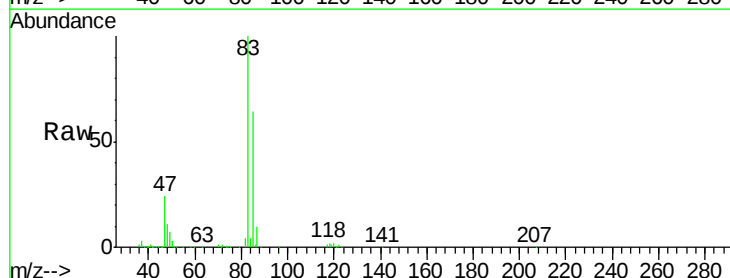
Acq: 06 Jan 2020 14:36

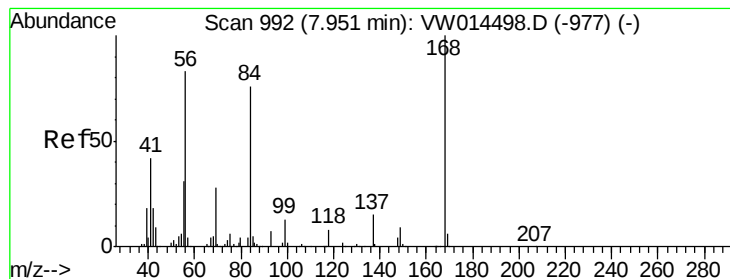
Tgt Ion: 83 Resp: 309026

Ion Ratio Lower Upper

83 100

85 63.9 52.2 78.2





#31

Cyclohexane

Concen: 19.534 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

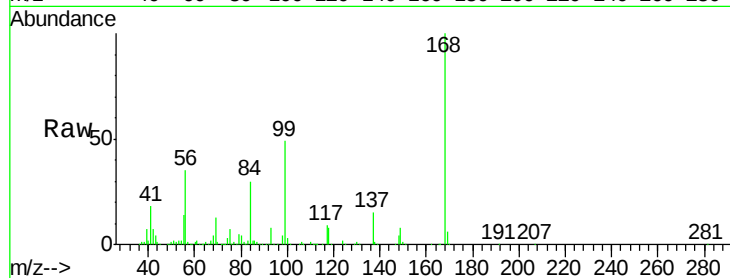
Tgt Ion: 56 Resp: 338061

Ion Ratio Lower Upper

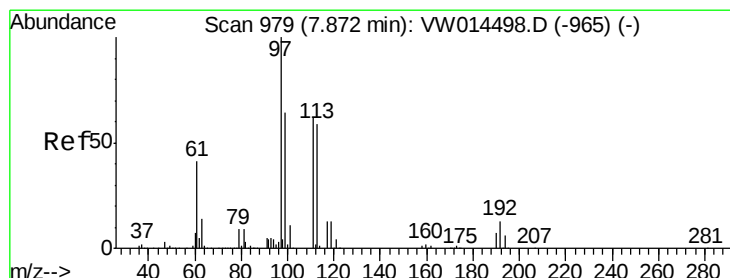
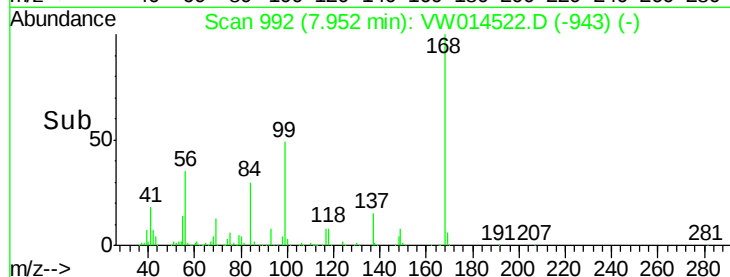
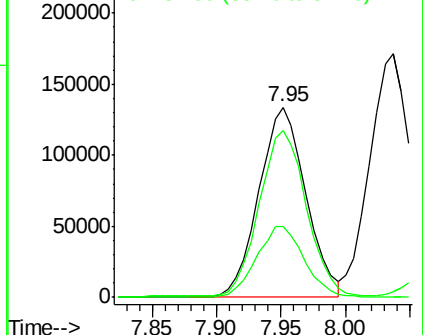
56 100

69 37.3 26.8 40.2

84 86.4 71.8 107.6



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



#32

1,1,1-Trichloroethane

Concen: 19.875 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

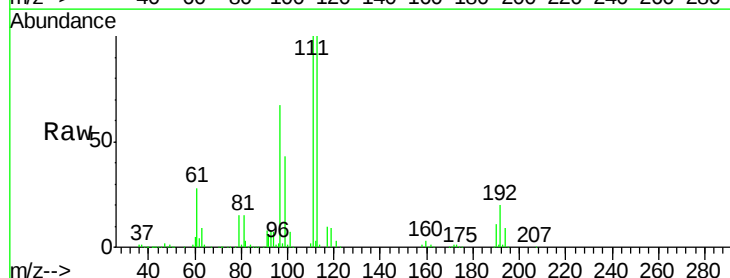
Tgt Ion: 97 Resp: 248913

Ion Ratio Lower Upper

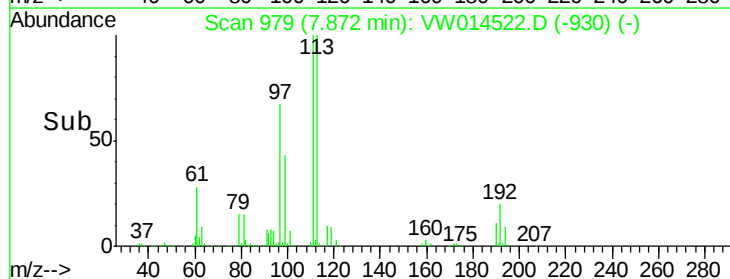
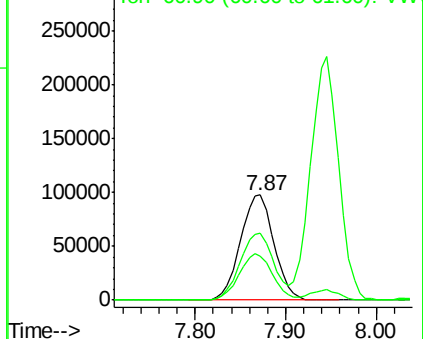
97 100

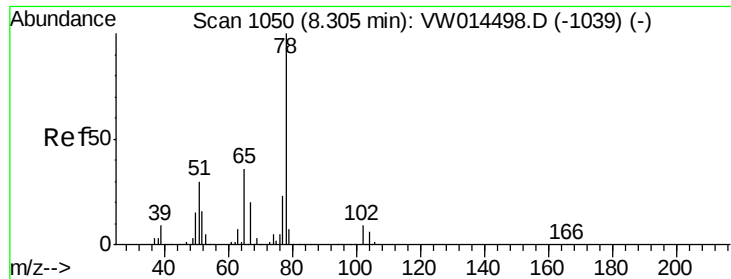
99 64.3 51.8 77.6

61 44.5 33.8 50.8



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

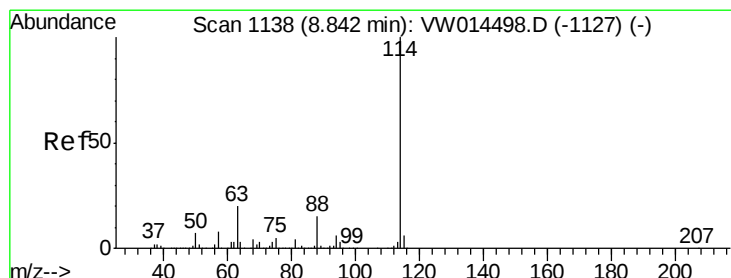
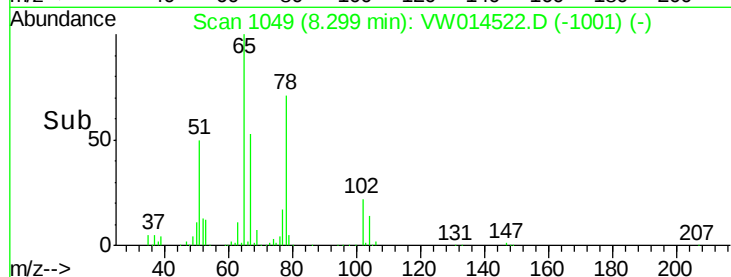
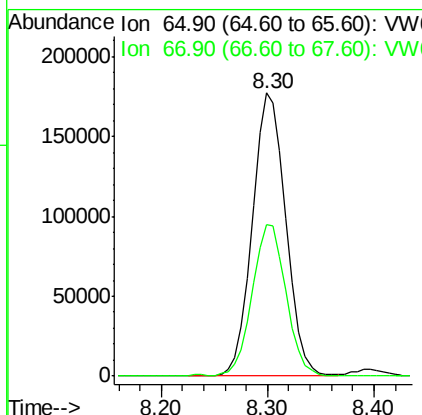
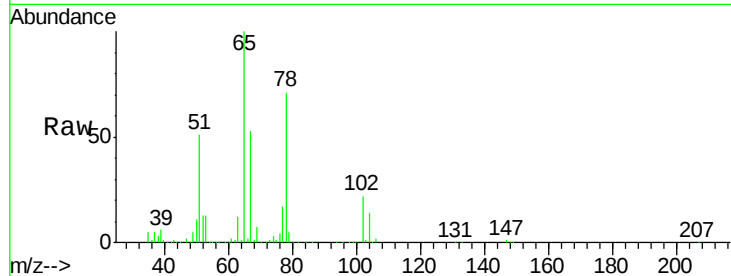




#33
 1,2-Dichloroethane-d4
 Concen: 48.137 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

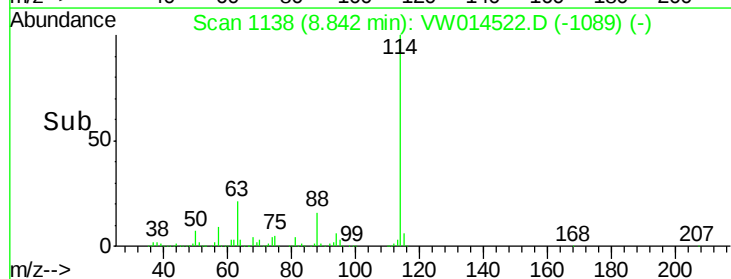
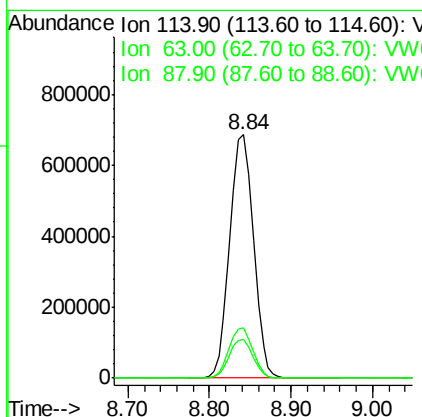
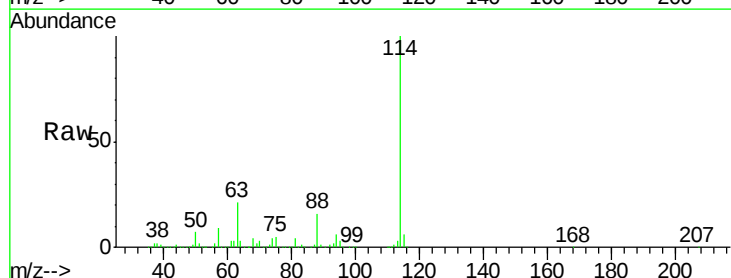
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

Tgt Ion: 65 Resp: 390342
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

Tgt Ion: 114 Resp: 1383616
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.4
 88 15.8 0.0 30.6

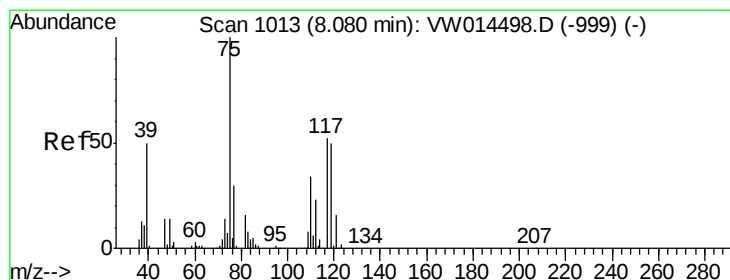
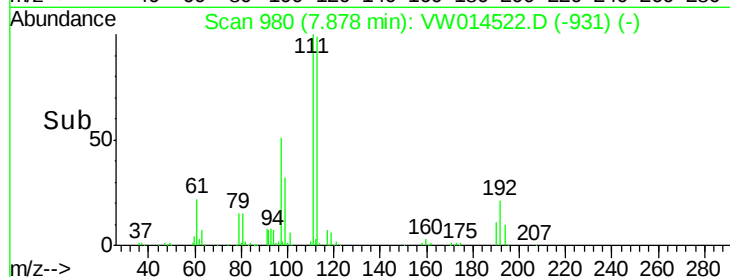
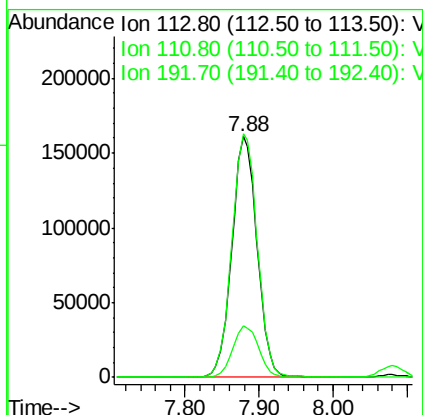
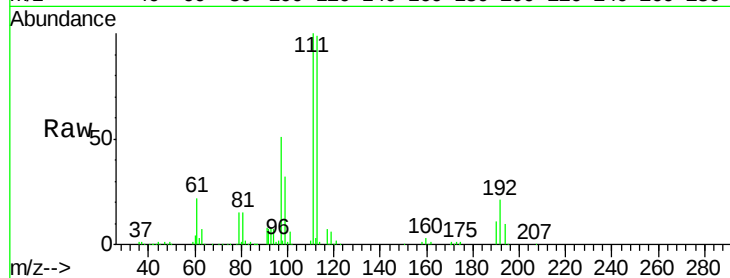




#35
 Dibromofluoromethane
 Concen: 48.249 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

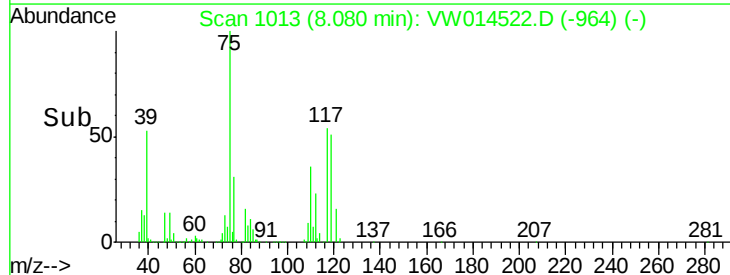
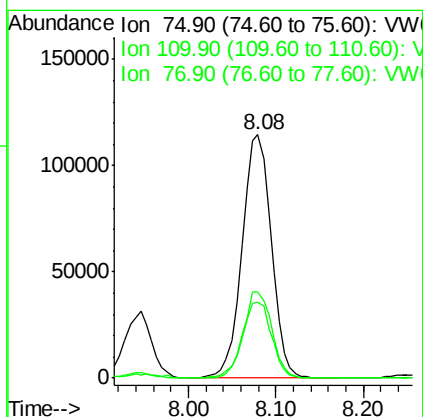
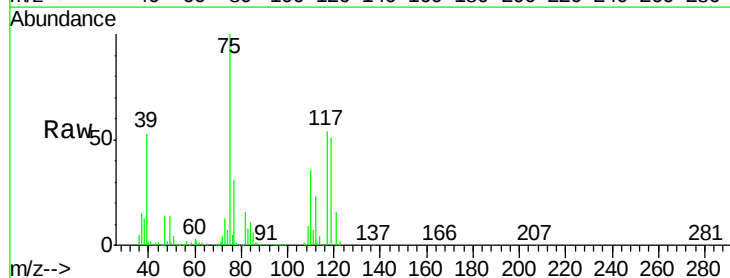
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

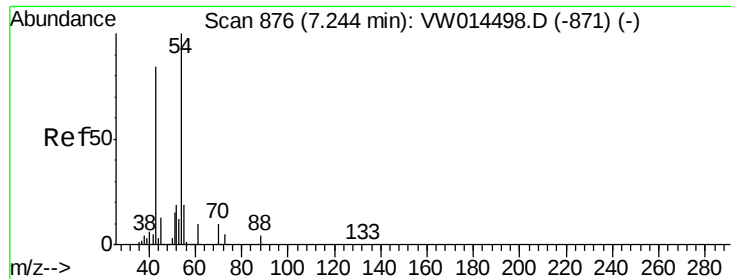
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.2
192	22.0	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 19.838 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.8	53.5
77	31.5	24.7	37.1

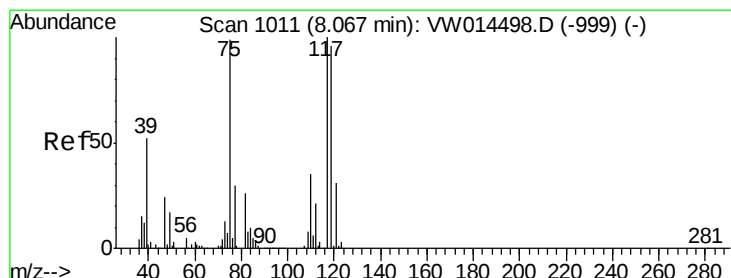
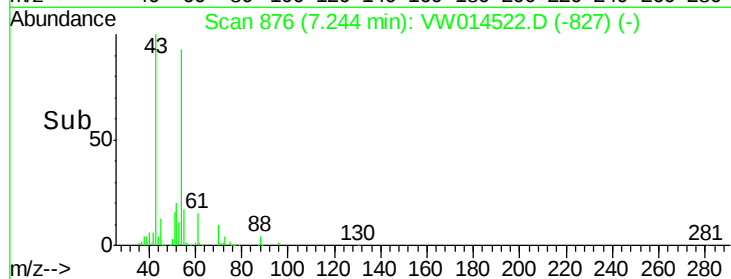
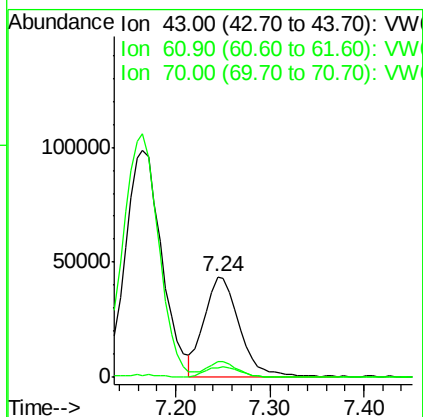
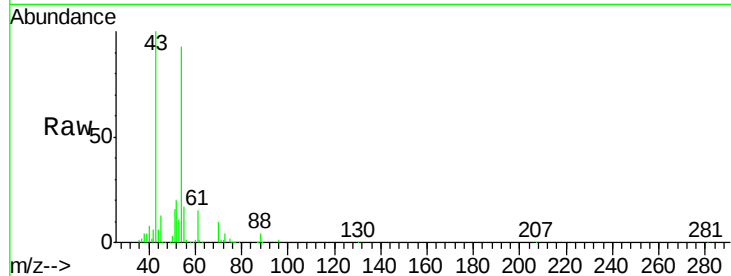




#37
 Ethyl Acetate
 Concen: 18.554 ug/l
 RT: 7.24 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

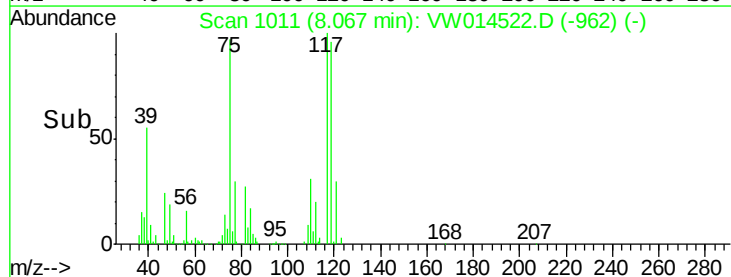
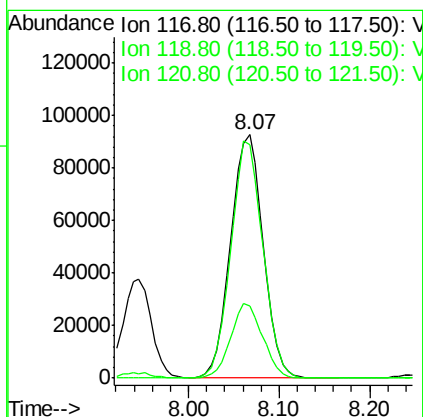
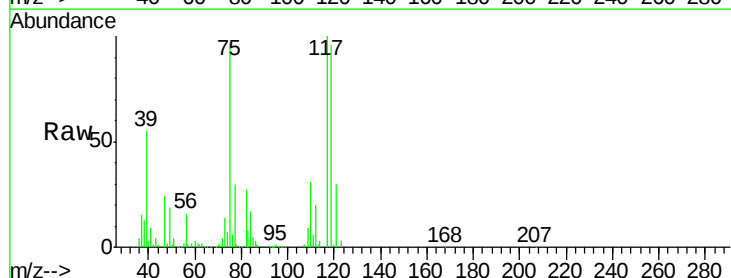
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

Tgt Ion: 43 Resp: 112245
 Ion Ratio Lower Upper
 43 100
 61 13.8 11.7 17.5
 70 10.9 9.0 13.6



#38
 Carbon Tetrachloride
 Concen: 19.919 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

Tgt Ion: 117 Resp: 230499
 Ion Ratio Lower Upper
 117 100
 119 95.7 77.0 115.6
 121 29.8 24.6 36.8

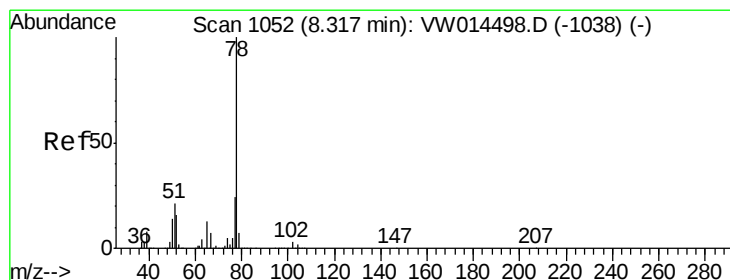
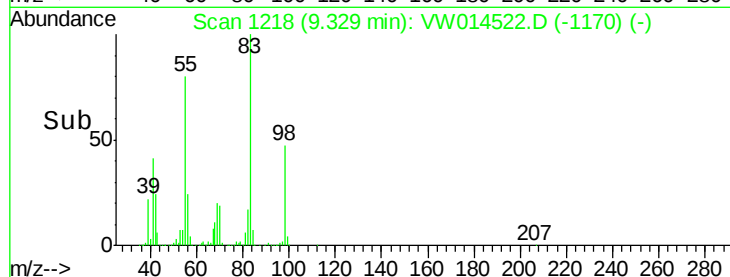
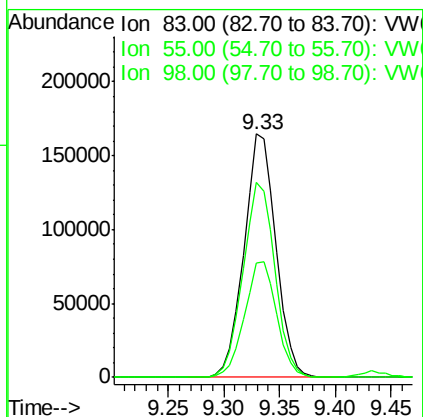
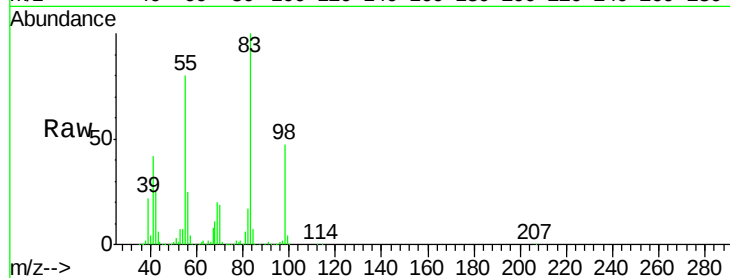




#39
Methylcyclohexane
Concen: 19.193 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014522.D
Acq: 06 Jan 2020 14:36

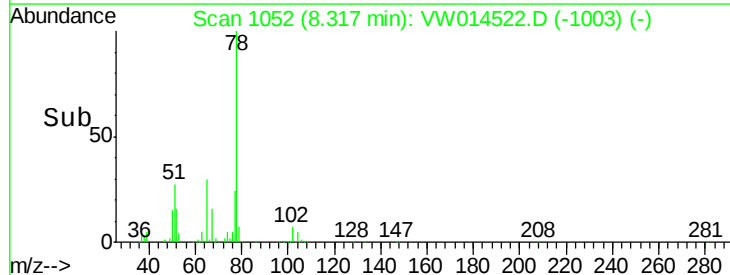
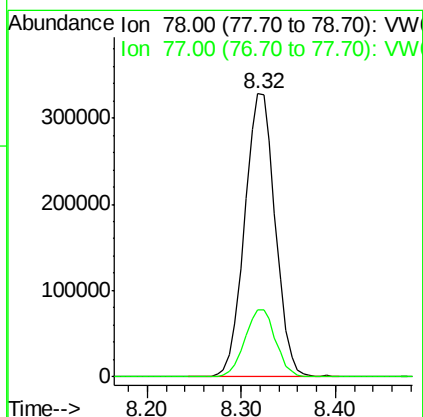
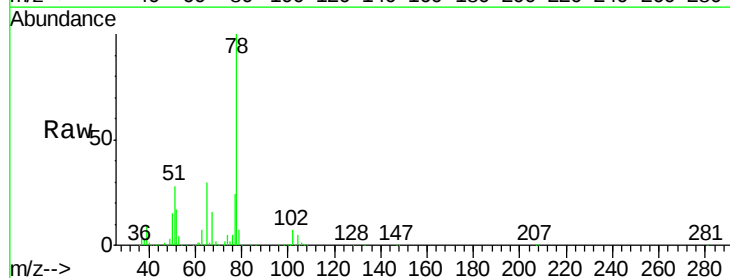
Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

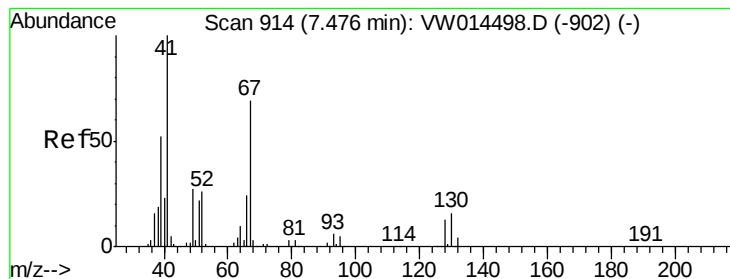
Tgt Ion: 83 Resp: 328540
Ion Ratio Lower Upper
83 100
55 80.2 60.1 90.1
98 47.1 38.8 58.2



#40
Benzene
Concen: 19.833 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014522.D
Acq: 06 Jan 2020 14:36

Tgt Ion: 78 Resp: 748492
Ion Ratio Lower Upper
78 100
77 23.8 19.3 28.9





#41

Methacrylonitrile

Concen: 17.644 ug/l

RT: 7.48 min Scan# 914

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

Tgt Ion: 41 Resp: 59499

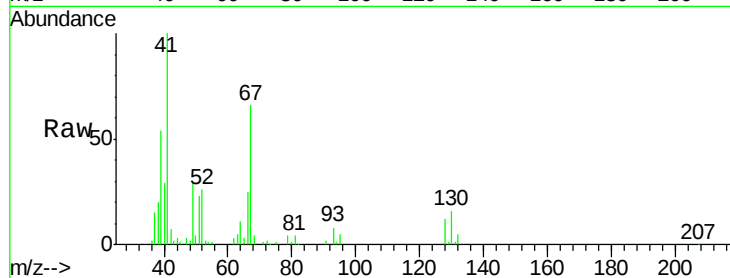
Ion Ratio Lower Upper

41 100

39 64.2 46.0 69.0

67 74.3 60.8 91.2

52 31.2 23.7 35.5

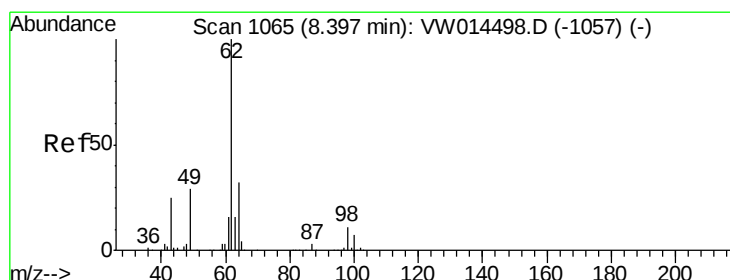
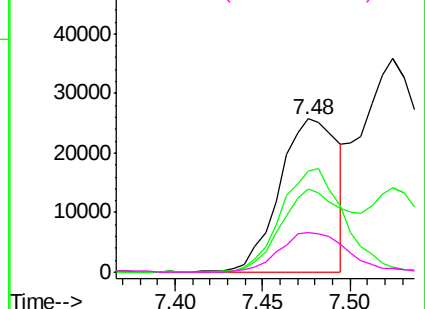
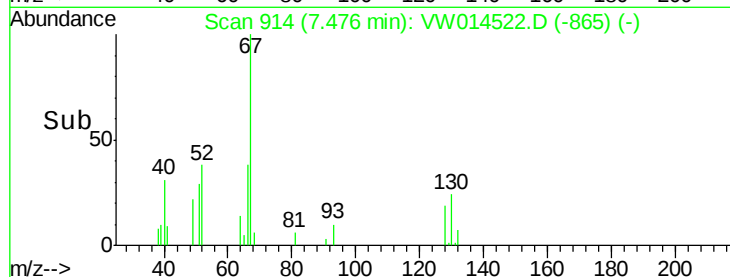


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 19.711 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014522.D

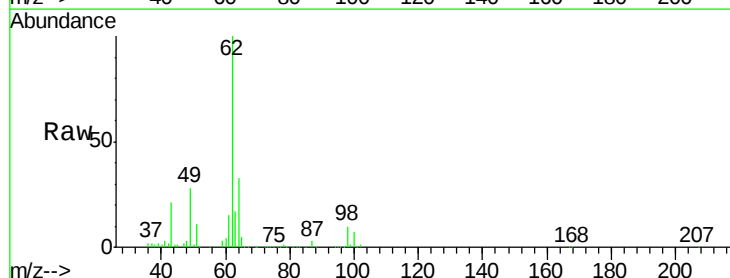
Acq: 06 Jan 2020 14:36

Tgt Ion: 62 Resp: 193044

Ion Ratio Lower Upper

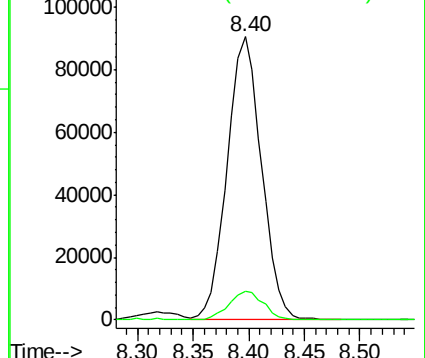
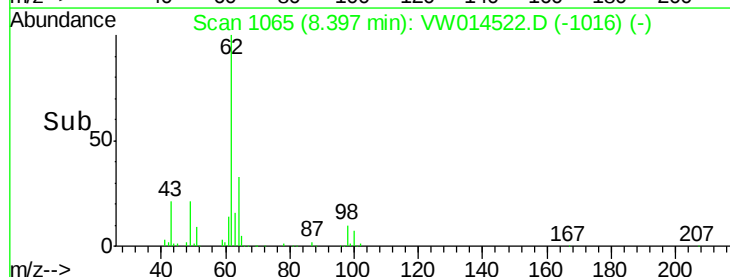
62 100

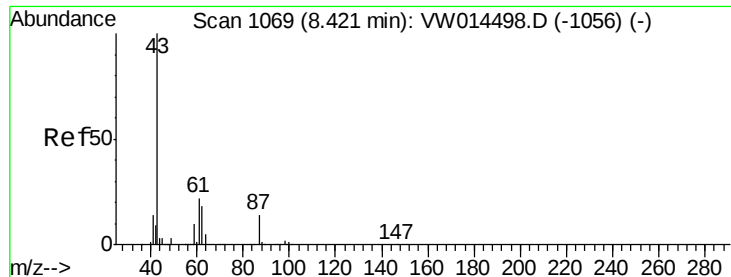
98 10.3 0.0 22.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 18.257 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

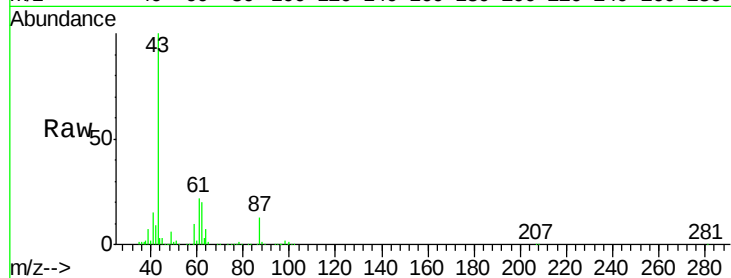
Tgt Ion: 43 Resp: 200558

Ion Ratio Lower Upper

43 100

61 31.4 24.7 37.1

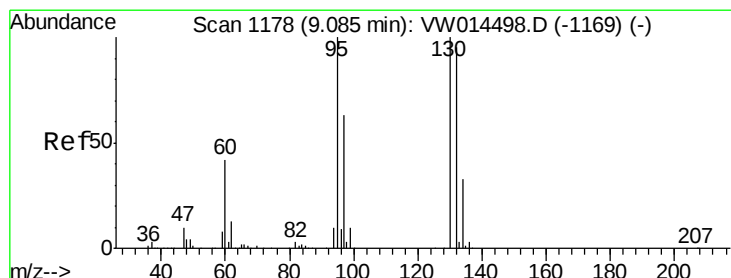
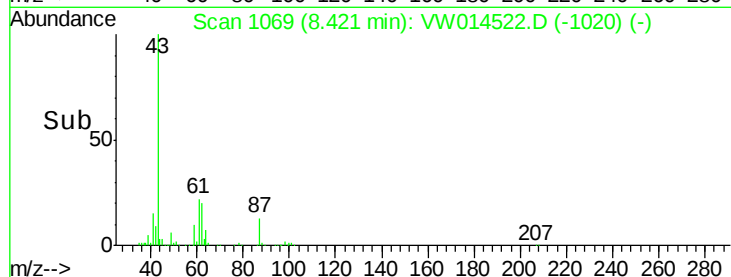
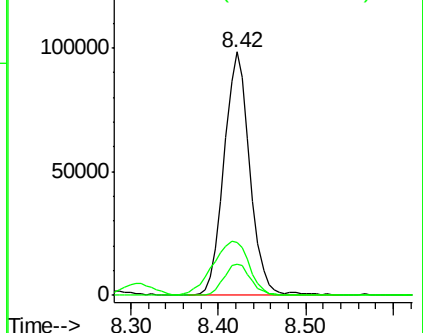
87 13.4 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 19.525 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014522.D

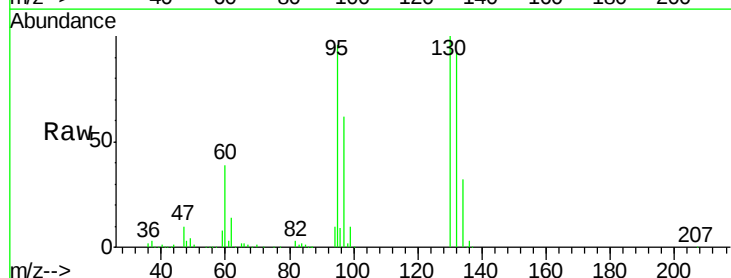
Acq: 06 Jan 2020 14:36

Tgt Ion: 130 Resp: 199387

Ion Ratio Lower Upper

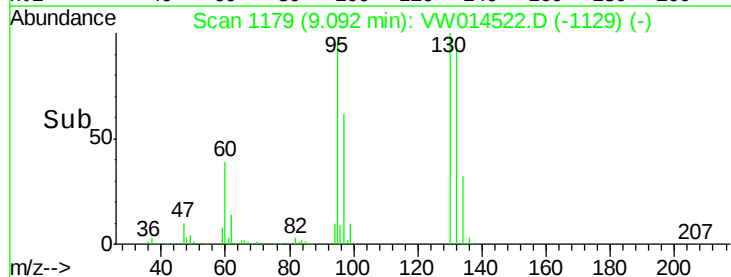
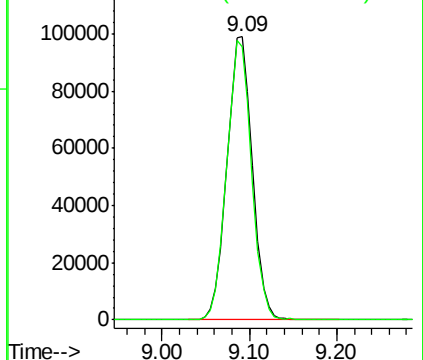
130 100

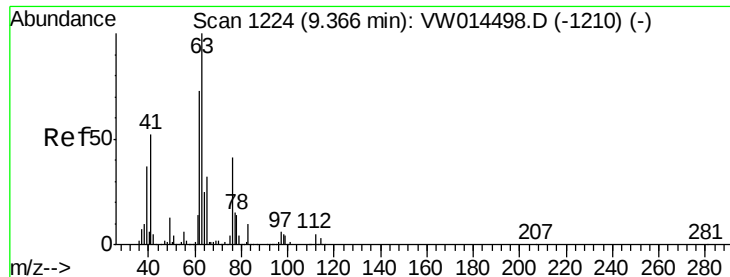
95 96.3 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 19.693 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

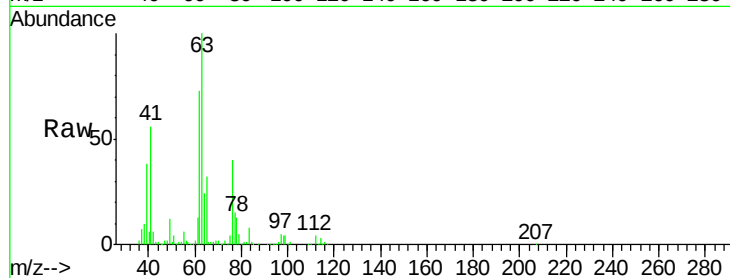
VW0106SBS01

Tgt Ion: 63 Resp: 182378

Ion Ratio Lower Upper

63 100

65 31.8 25.6 38.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

100000

80000

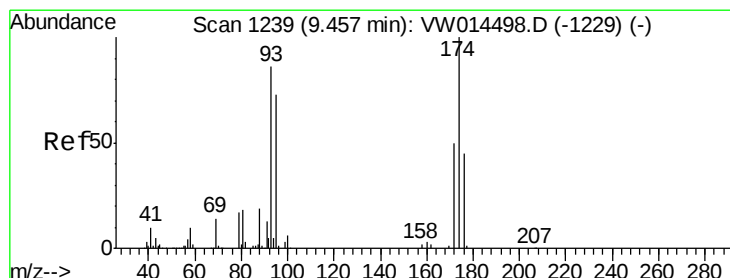
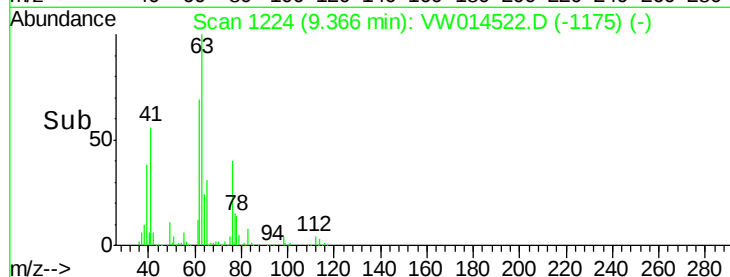
60000

40000

20000

0

Time--> 9.20 9.30 9.40



#46

Dibromomethane

Concen: 18.733 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

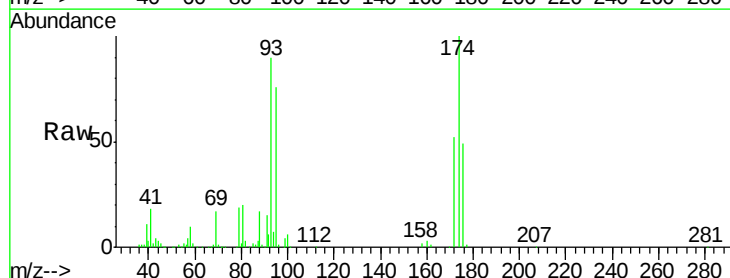
Tgt Ion: 93 Resp: 85647

Ion Ratio Lower Upper

93 100

95 84.0 66.4 99.6

174 108.4 89.1 133.7



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

9.46

60000

50000

40000

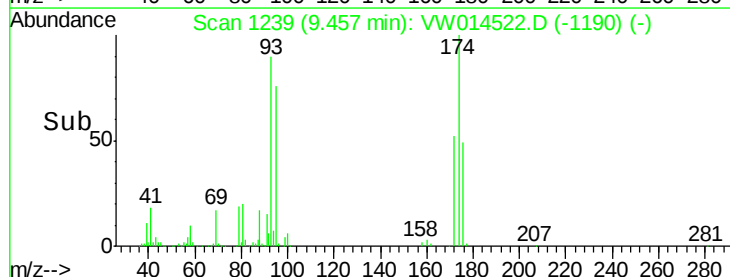
30000

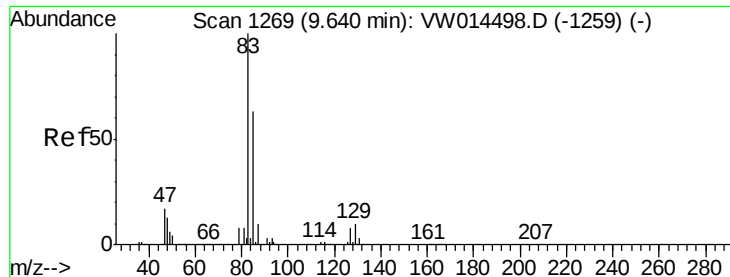
20000

10000

0

Time--> 9.40 9.50

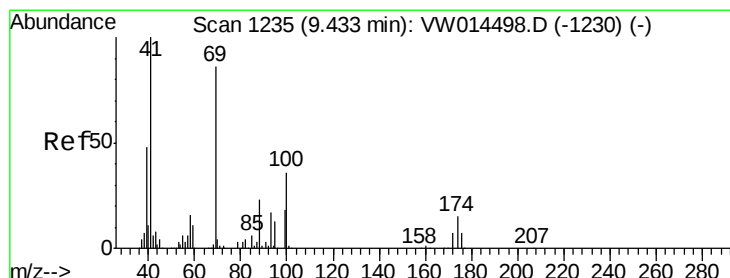
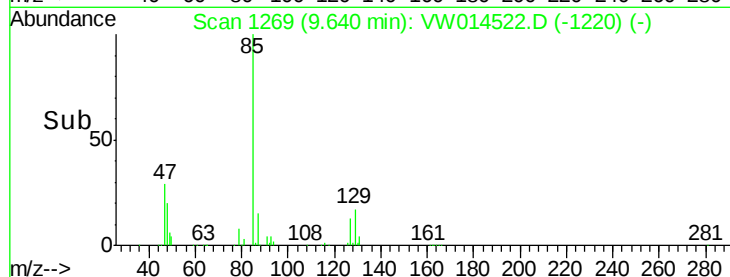
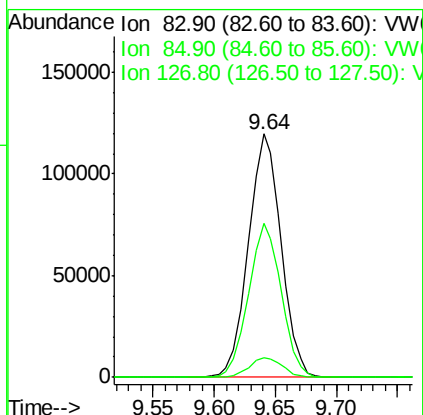
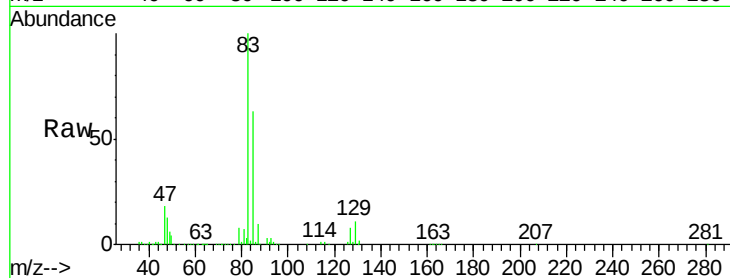




#47
 Bromodichloromethane
 Concen: 19.743 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

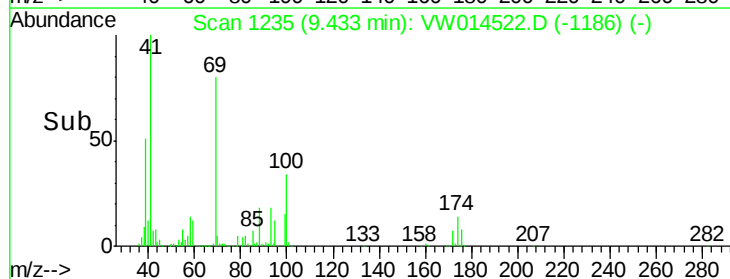
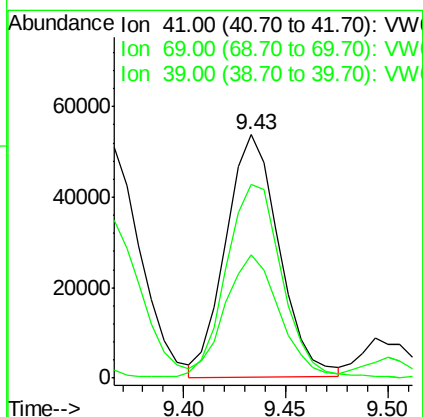
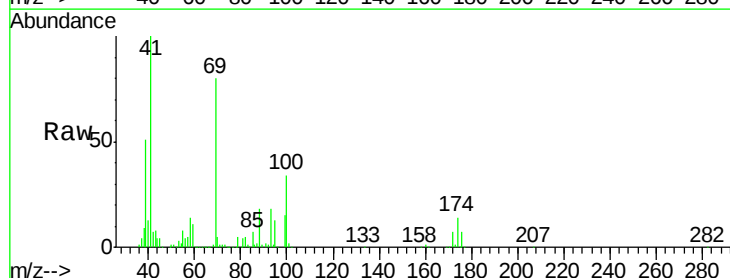
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

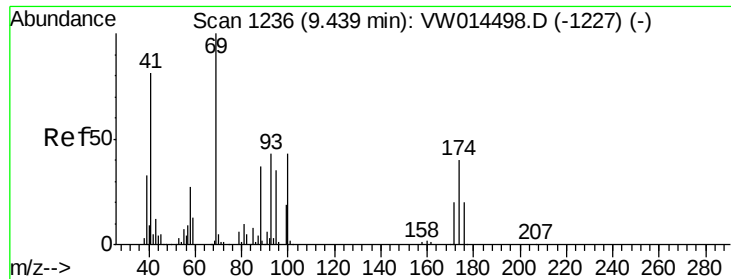
Tgt Ion: 83 Resp: 222847
 Ion Ratio Lower Upper
 83 100
 85 63.0 50.6 76.0
 127 8.1 6.6 9.8



#48
 Methyl methacrylate
 Concen: 18.129 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

Tgt Ion: 41 Resp: 97233
 Ion Ratio Lower Upper
 41 100
 69 84.6 68.3 102.5
 39 47.6 36.8 55.2

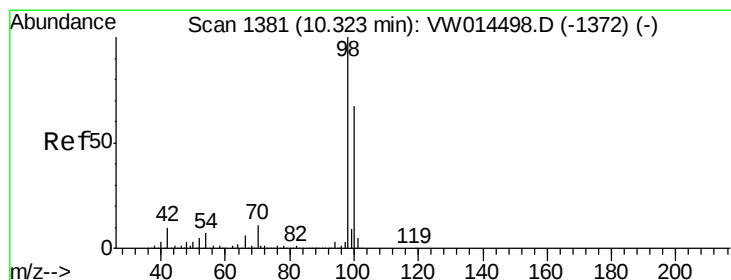
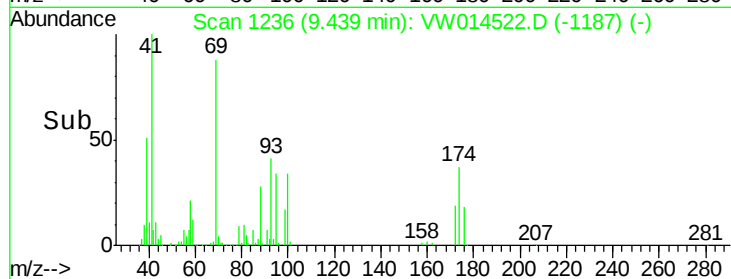
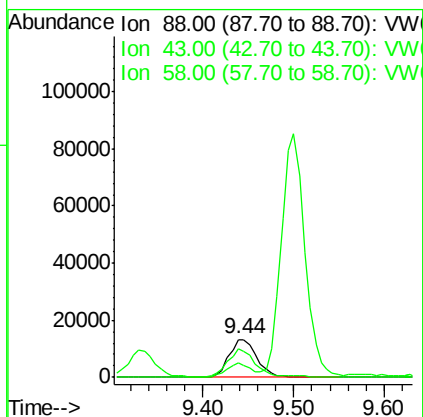
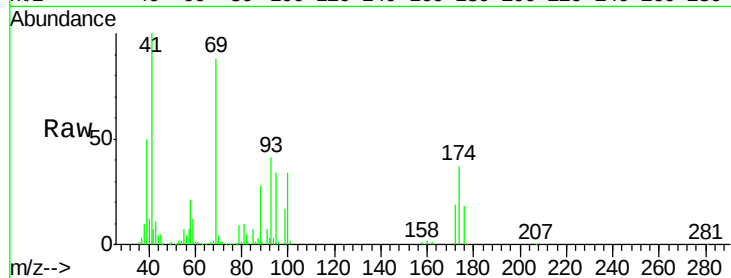




#49
 1,4-Dioxane
 Concen: 333.003 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

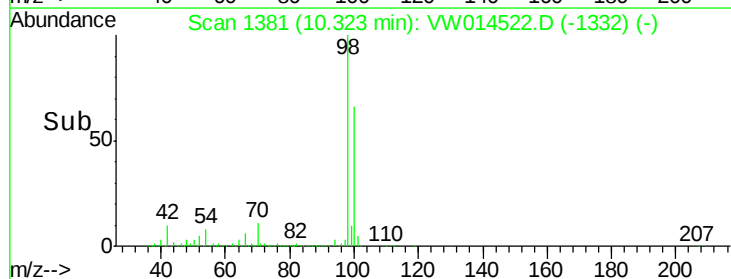
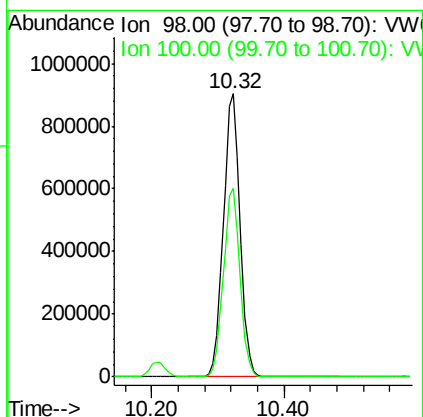
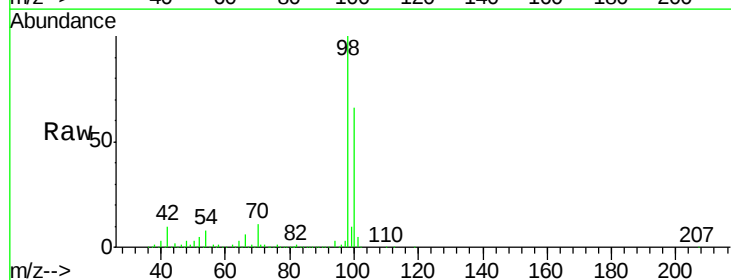
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

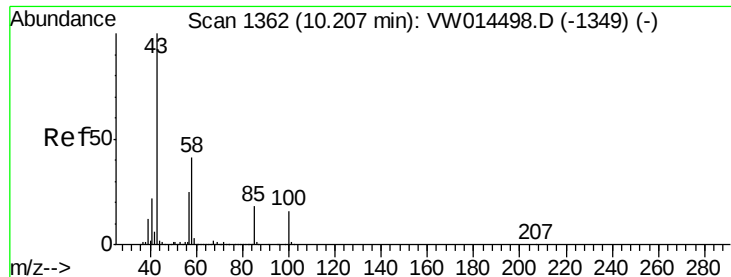
Tgt Ion: 88 Resp: 28475
 Ion Ratio Lower Upper
 88 100
 43 29.9 24.9 37.3
 58 72.2 56.9 85.3



#50
 Toluene-d8
 Concen: 47.842 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

Tgt Ion: 98 Resp: 1578818
 Ion Ratio Lower Upper
 98 100
 100 66.3 53.8 80.6

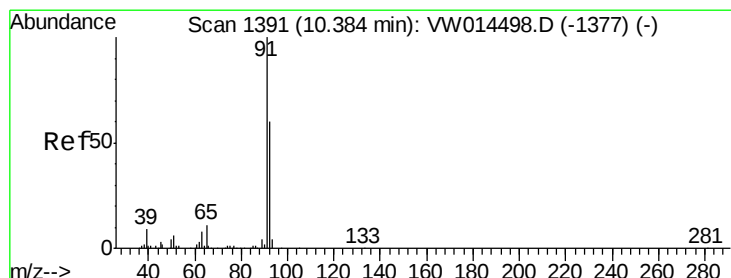
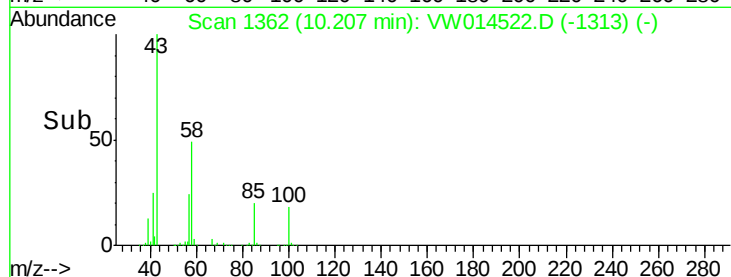
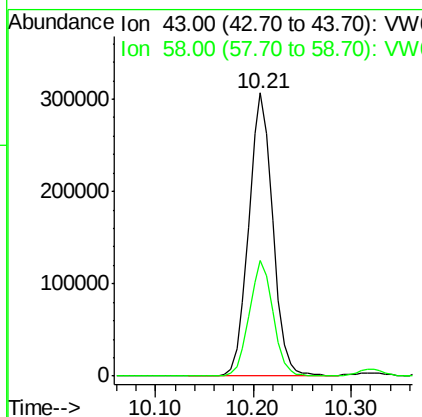
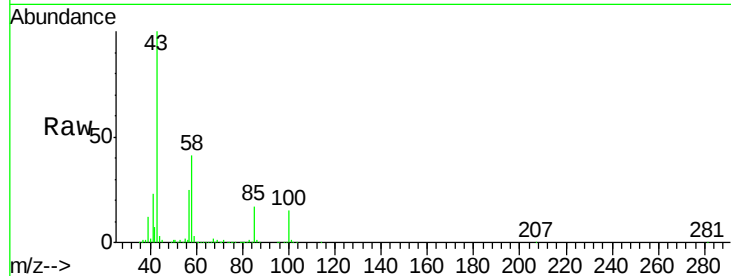




#51
 4-Methyl-2-Pentanone
 Concen: 91.626 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

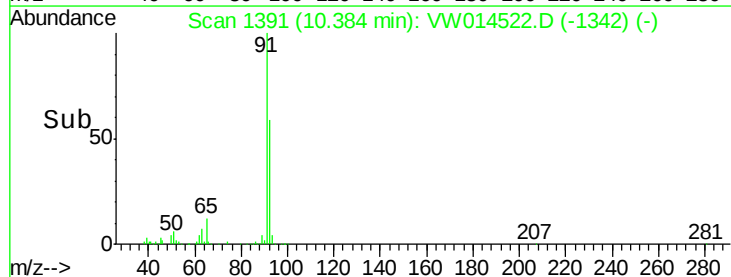
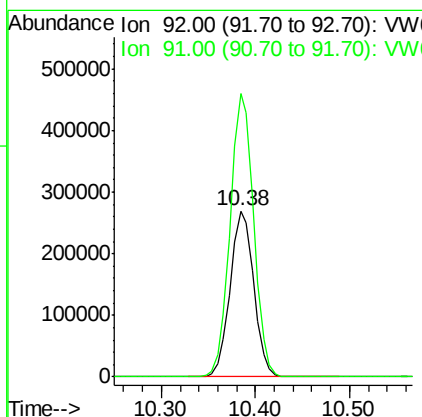
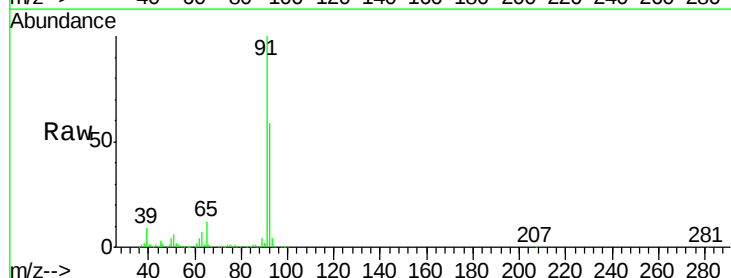
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

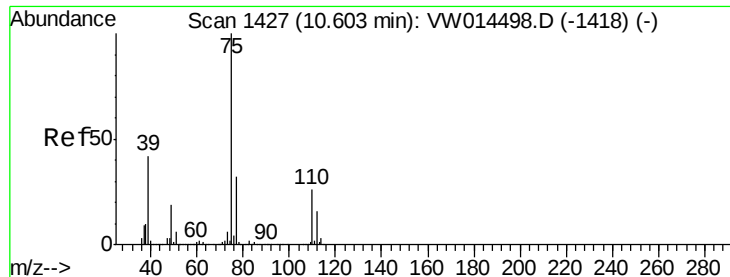
Tgt Ion: 43 Resp: 522697
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.7 49.1



#52
 Toluene
 Concen: 19.664 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

Tgt Ion: 92 Resp: 466865
 Ion Ratio Lower Upper
 92 100
 91 170.3 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 18.950 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampled :

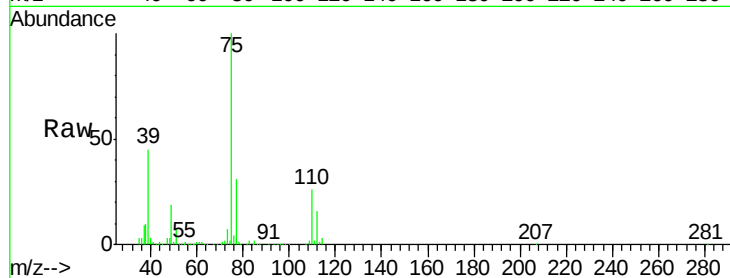
VW0106SBS01

Tgt Ion: 75 Resp: 221462

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

150000

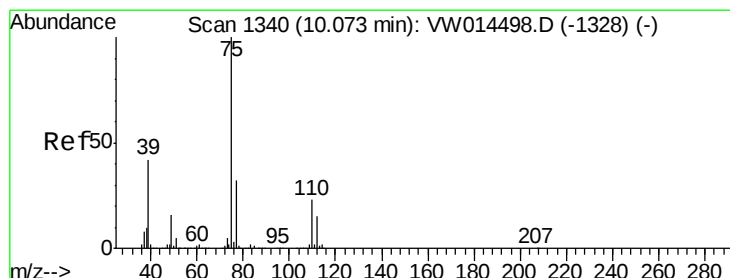
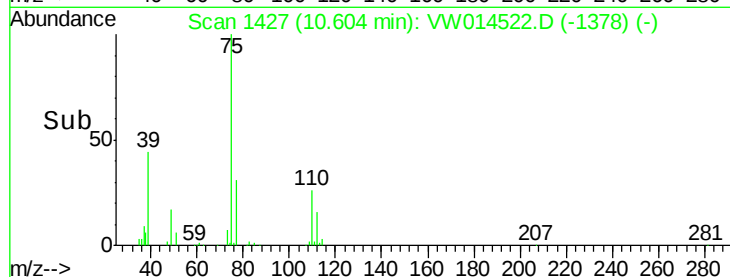
100000

50000

0

Time-->

10.55 10.60 10.65



#54

cis-1,3-Dichloropropene

Concen: 19.121 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

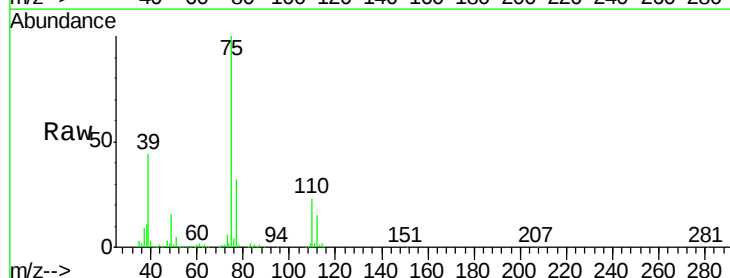
Tgt Ion: 75 Resp: 273110

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

39 43.8 33.4 50.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

200000

150000

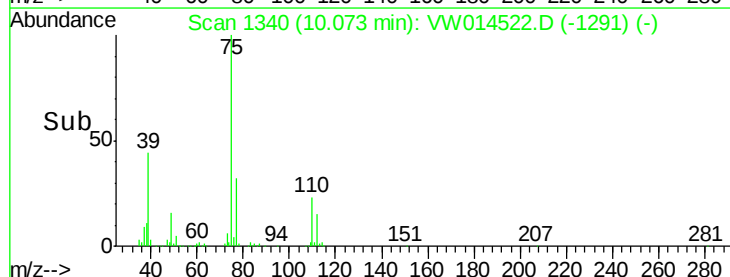
100000

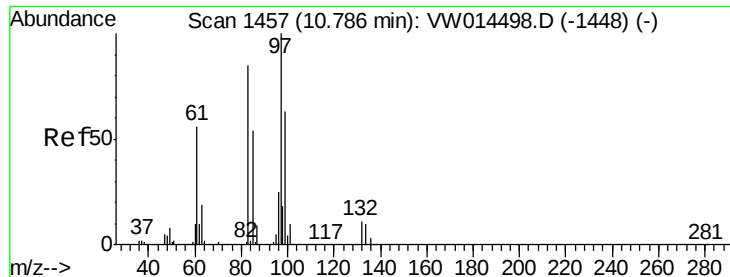
50000

0

Time-->

10.00 10.10 10.20

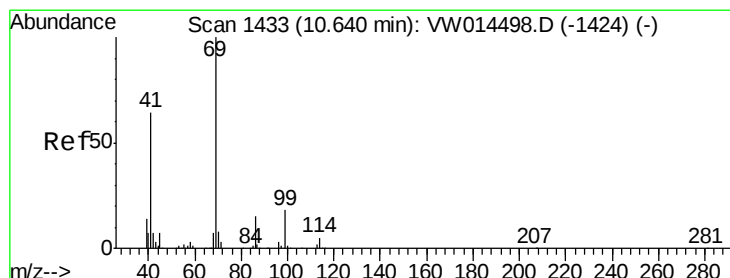
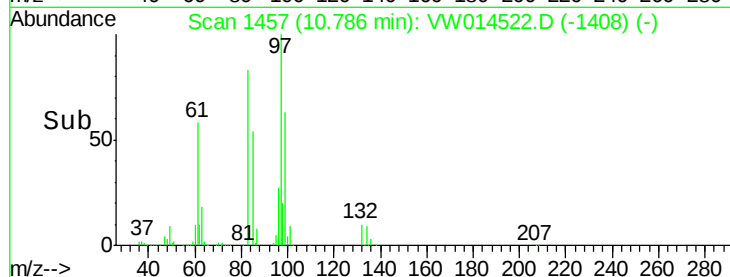
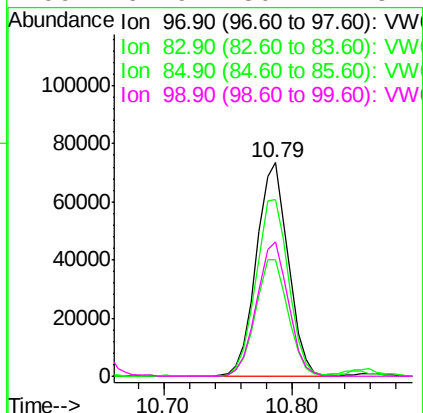
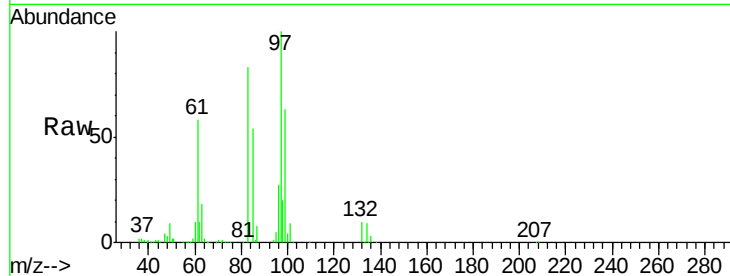




#55
 1,1,2-Trichloroethane
 Concen: 18.816 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

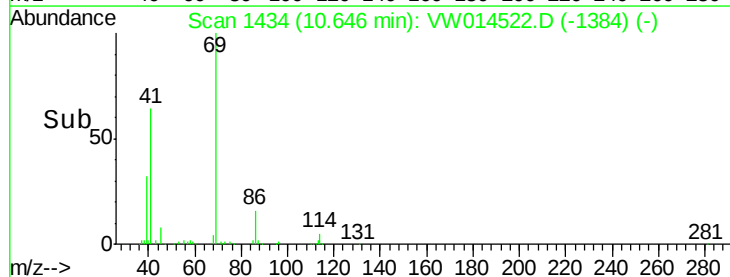
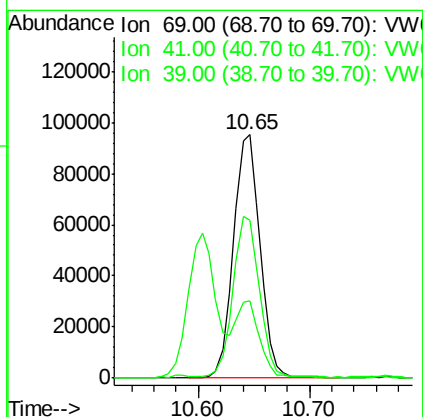
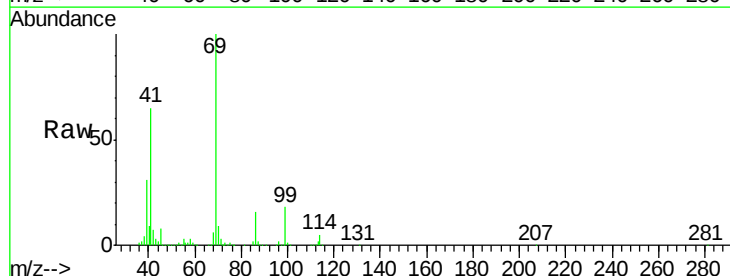
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

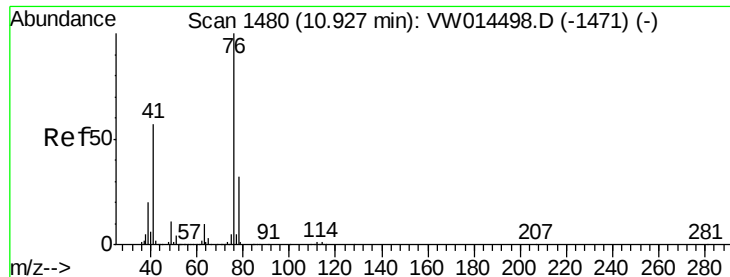
Tgt Ion:	97	Resp:	125639
Ion	Ratio	Lower	Upper
97	100		
83	82.8	68.2	102.4
85	54.2	43.0	64.4
99	62.9	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 18.163 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

Tgt Ion:	69	Resp:	157612
Ion	Ratio	Lower	Upper
69	100		
41	65.2	51.3	76.9
39	27.7	21.0	31.6





#57

1,3-Dichloropropane

Concen: 18.868 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.01 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

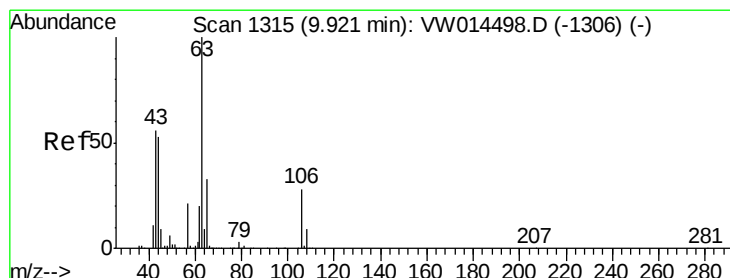
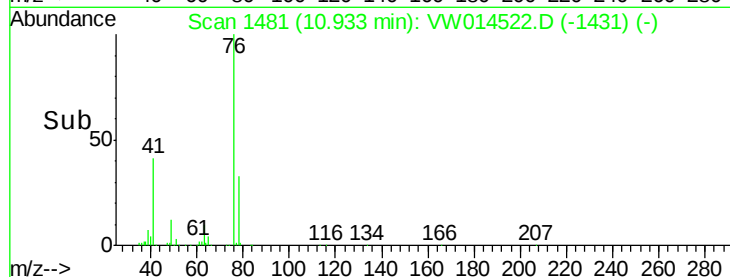
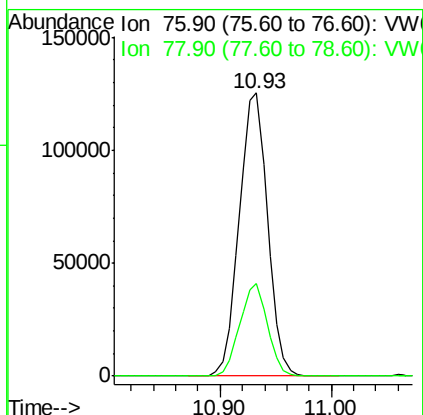
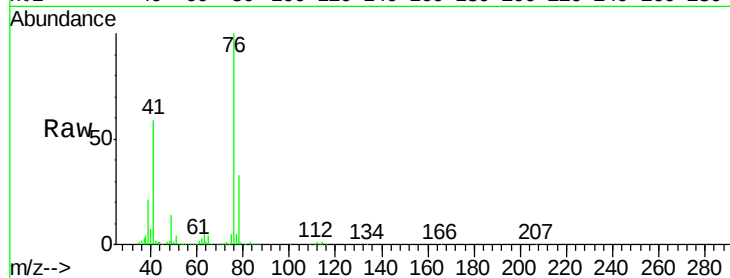
VW0106SBS01

Tgt Ion: 76 Resp: 221417

Ion Ratio Lower Upper

76 100

78 32.1 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 90.787 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW014522.D

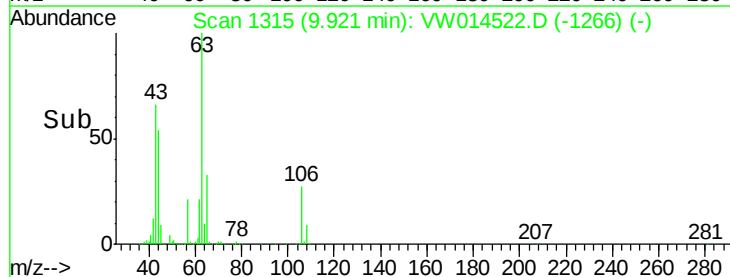
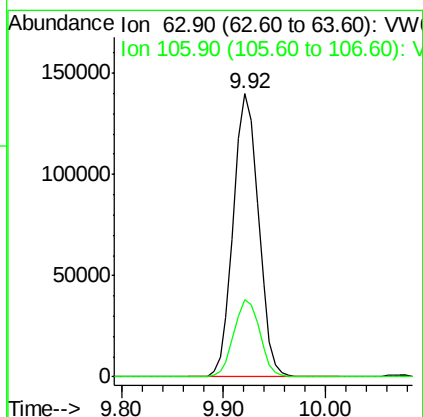
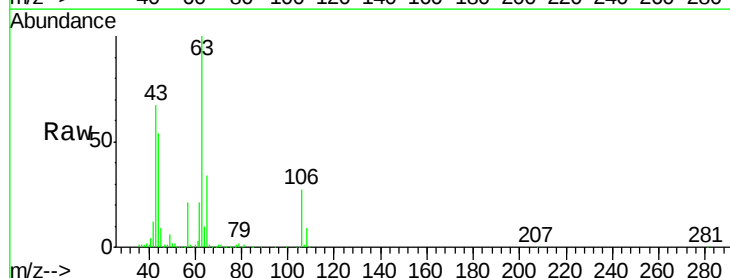
Acq: 06 Jan 2020 14:36

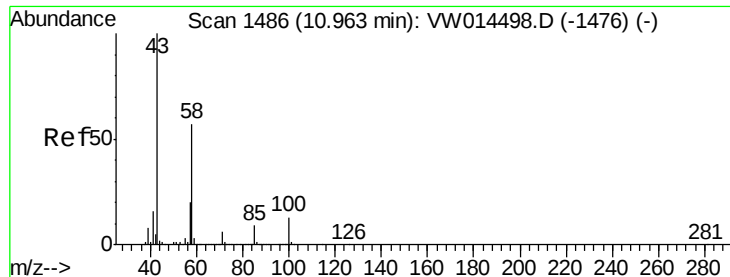
Tgt Ion: 63 Resp: 239600

Ion Ratio Lower Upper

63 100

106 28.0 23.0 34.6

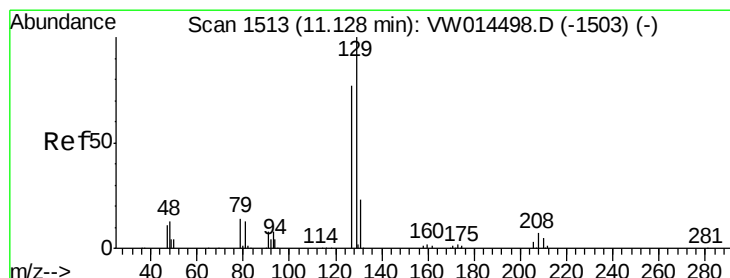
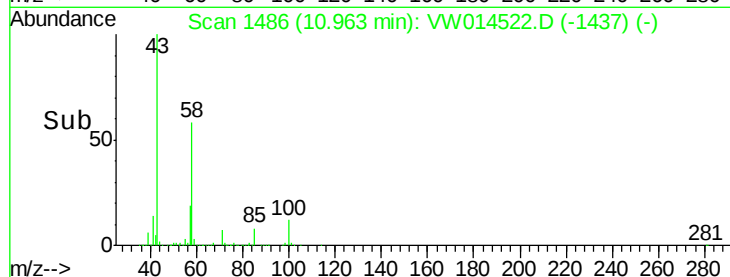
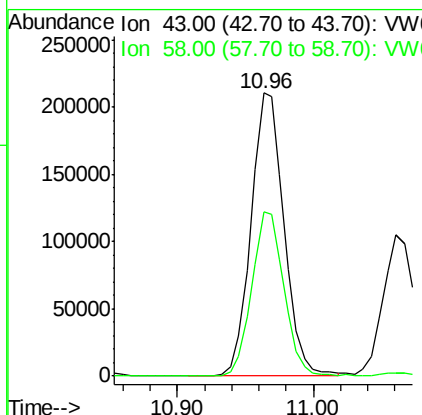
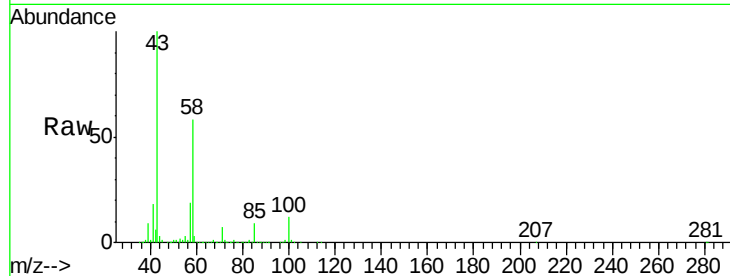




#59
2-Hexanone
Concen: 91.049 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014522.D
Acq: 06 Jan 2020 14:36

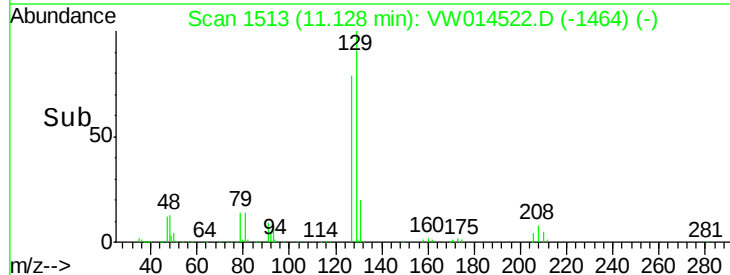
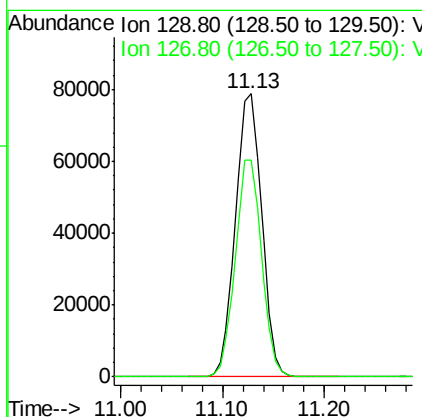
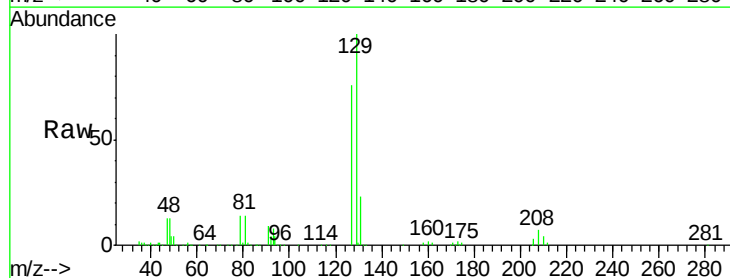
Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

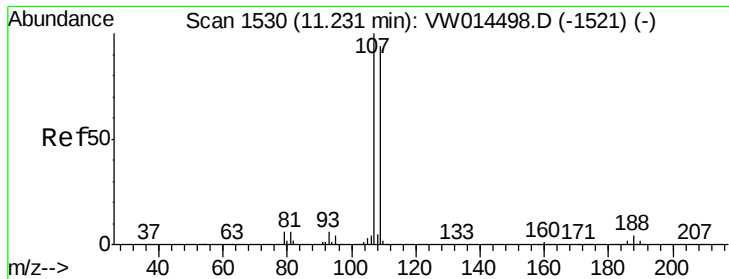
Tgt Ion: 43 Resp: 357917
Ion Ratio Lower Upper
43 100
58 56.8 28.7 86.3



#60
Dibromochloromethane
Concen: 18.701 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014522.D
Acq: 06 Jan 2020 14:36

Tgt Ion: 129 Resp: 140892
Ion Ratio Lower Upper
129 100
127 76.4 38.1 114.5

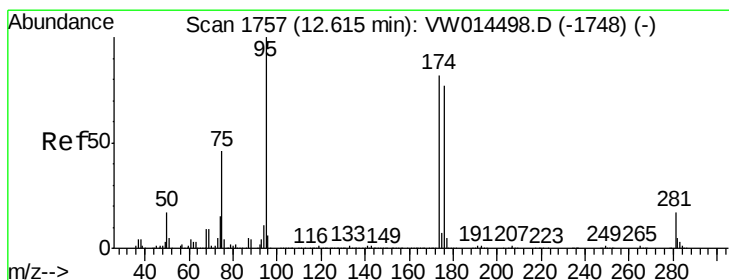
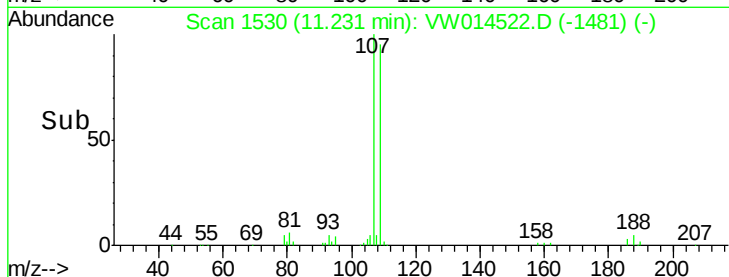
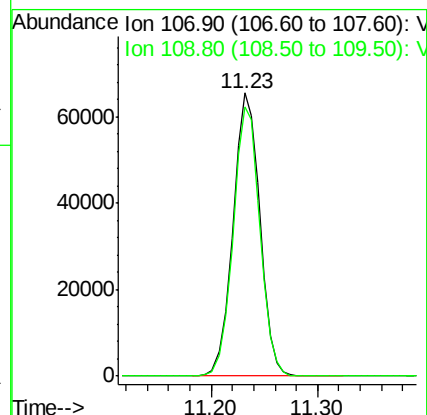
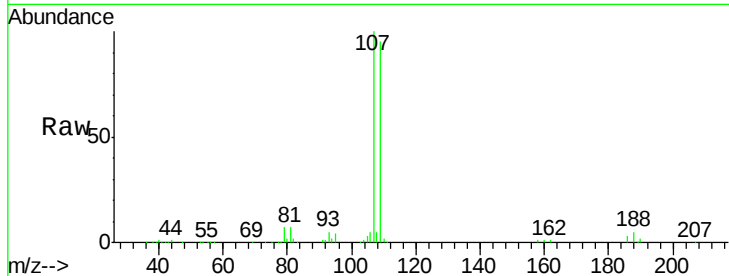




#61
 1,2-Dibromoethane
 Concen: 18.194 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

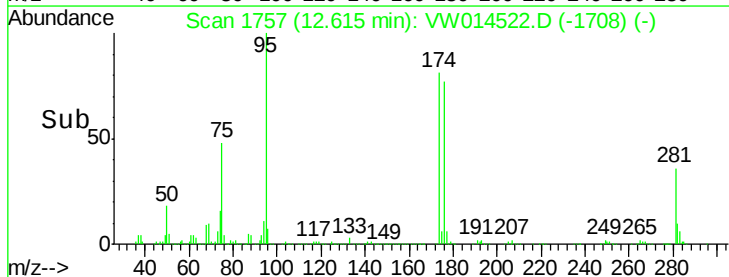
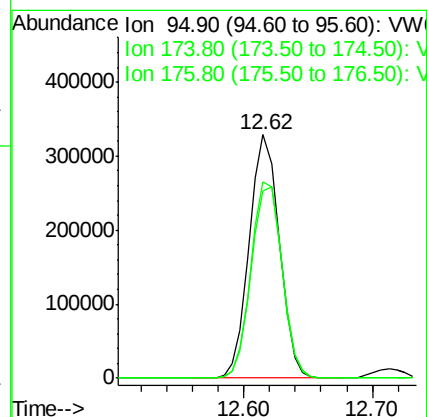
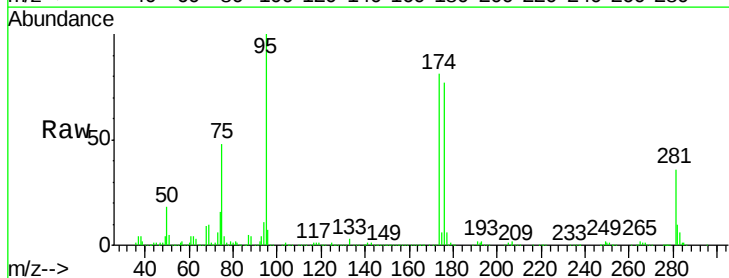
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

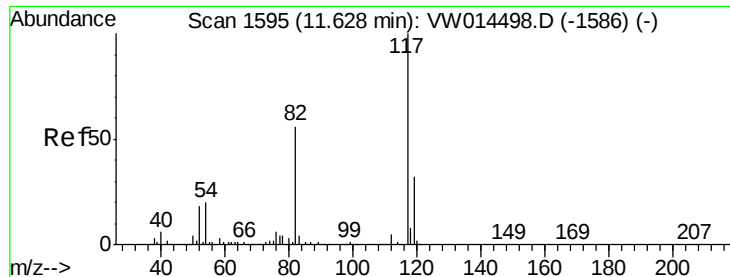
Tgt Ion: 107 Resp: 115313
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 47.318 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

Tgt Ion: 95 Resp: 529647
 Ion Ratio Lower Upper
 95 100
 174 83.4 0.0 168.6
 176 81.1 0.0 162.0

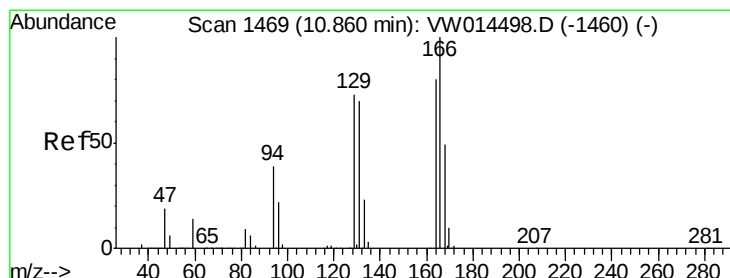
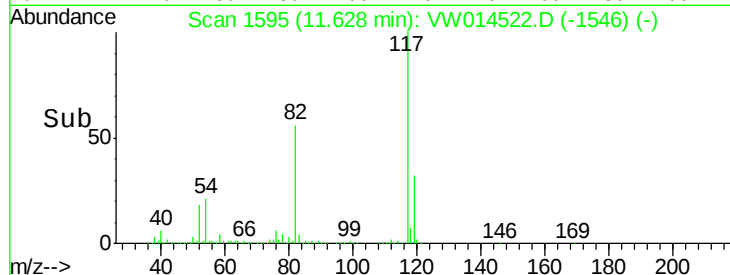
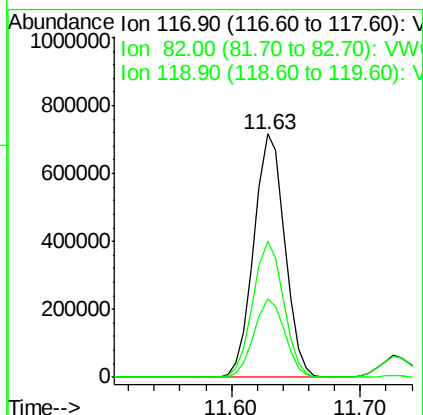
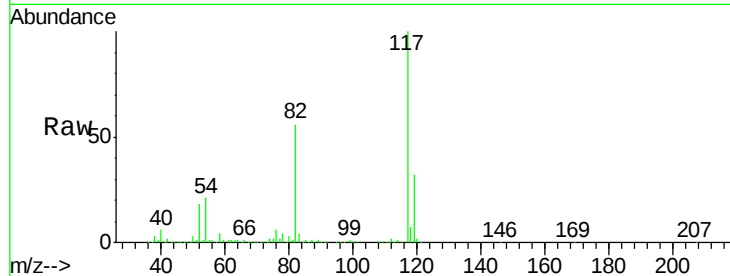




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014522.D
Acq: 06 Jan 2020 14:36

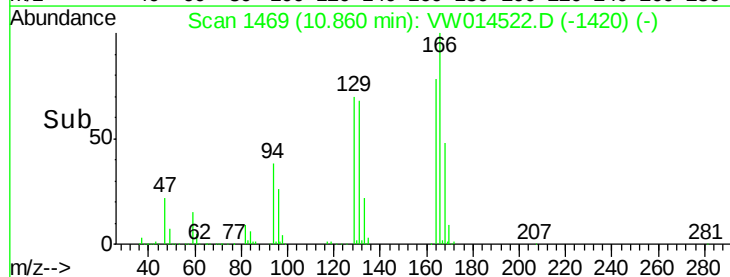
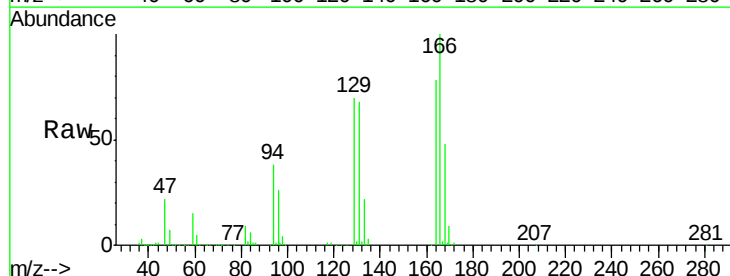
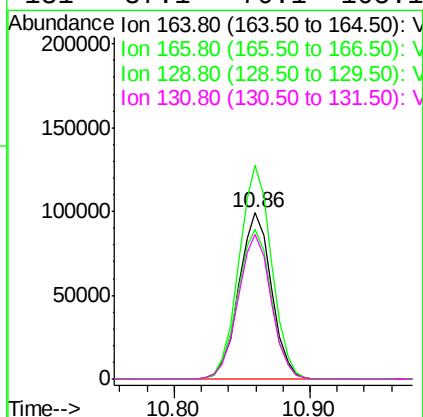
Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

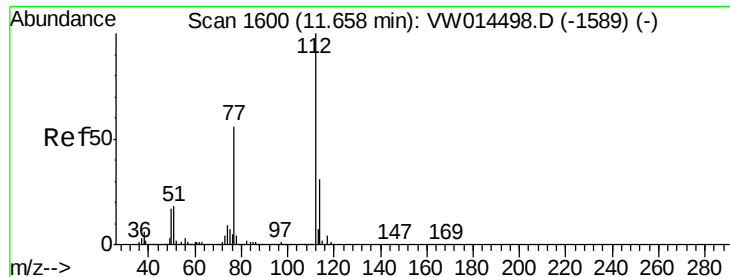
Tgt Ion:117 Resp: 1186446
Ion Ratio Lower Upper
117 100
82 56.0 44.6 67.0
119 32.0 25.7 38.5



#64
Tetrachloroethene
Concen: 19.398 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014522.D
Acq: 06 Jan 2020 14:36

Tgt Ion:164 Resp: 166616
Ion Ratio Lower Upper
164 100
166 128.4 99.8 149.6
129 89.8 72.4 108.6
131 87.1 70.1 105.1





#65

Chlorobenzene

Concen: 19.534 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

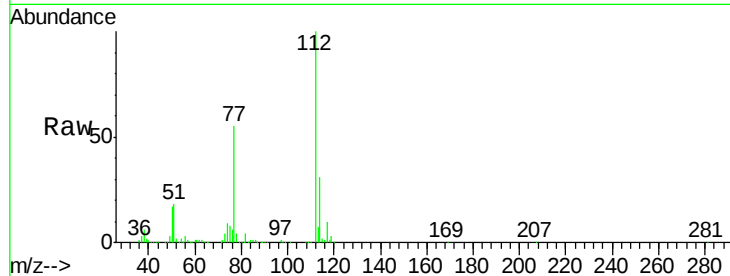
VW0106SBS01

Tgt Ion:112 Resp: 474815

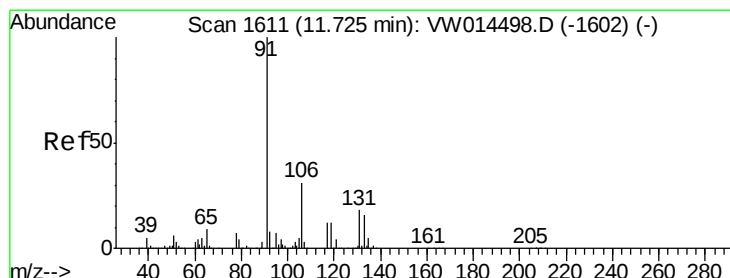
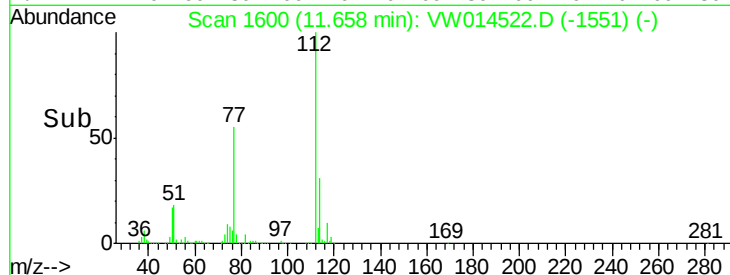
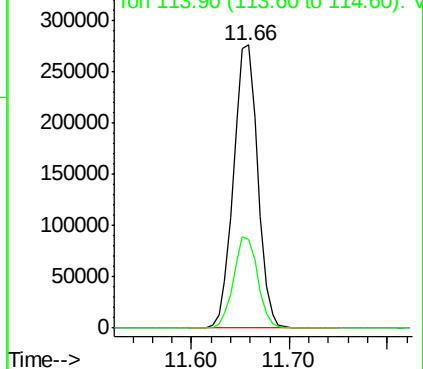
Ion Ratio Lower Upper

112 100

114 31.3 24.6 37.0



Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.001 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

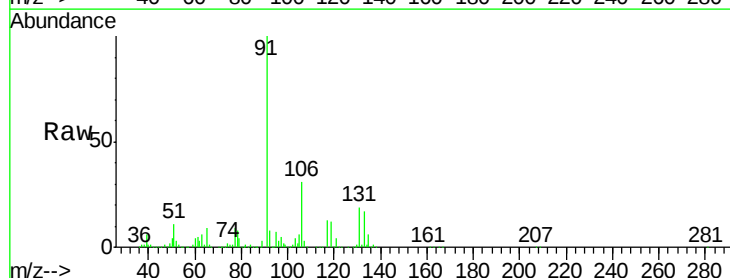
Tgt Ion:131 Resp: 155499

Ion Ratio Lower Upper

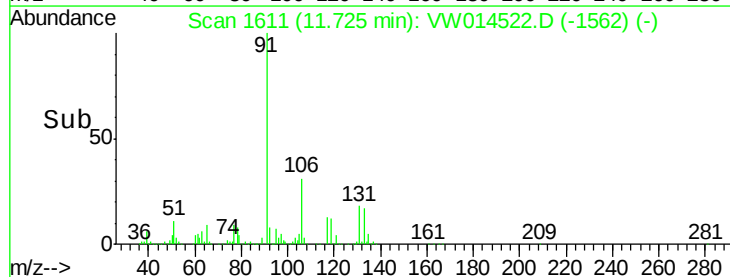
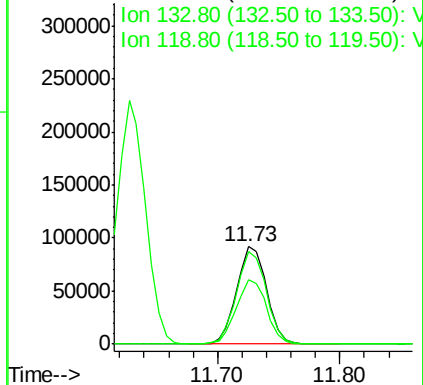
131 100

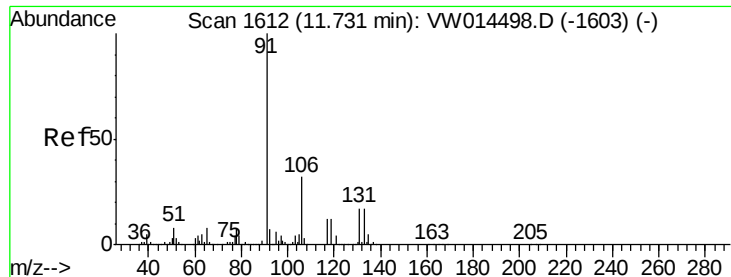
133 95.5 47.3 142.0

119 67.0 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

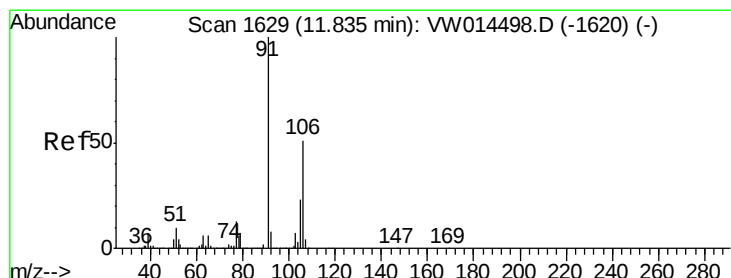
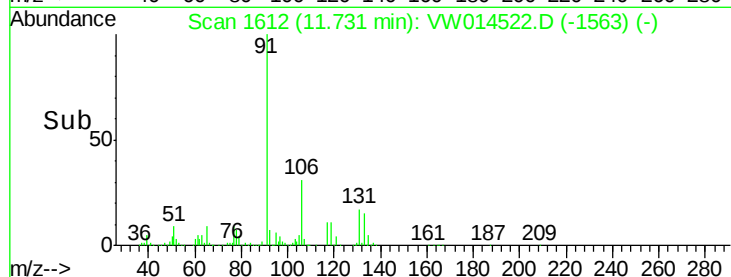
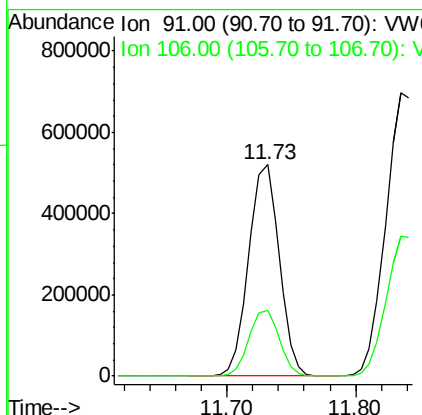
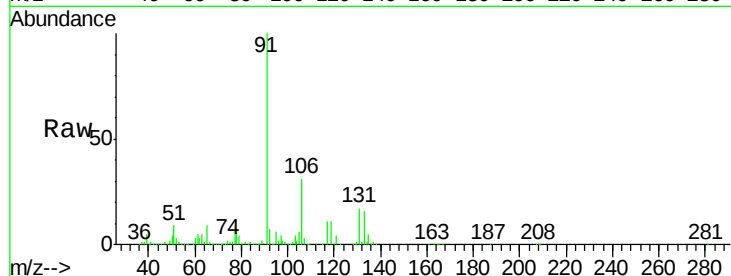




#67
Ethyl Benzene
Concen: 19.475 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW014522.D
Acq: 06 Jan 2020 14:36

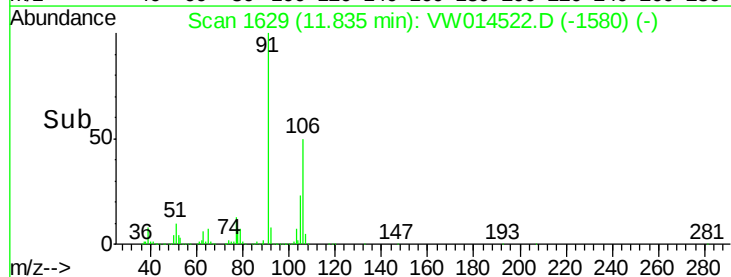
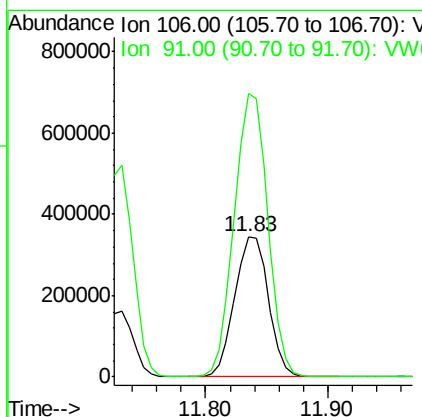
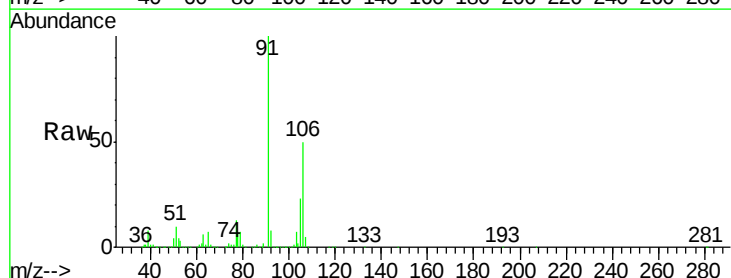
Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

Tgt Ion: 91 Resp: 853078
Ion Ratio Lower Upper
91 100
106 30.9 25.5 38.3



#68
m/p-Xylenes
Concen: 39.402 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014522.D
Acq: 06 Jan 2020 14:36

Tgt Ion: 106 Resp: 660570
Ion Ratio Lower Upper
106 100
91 200.9 159.0 238.6

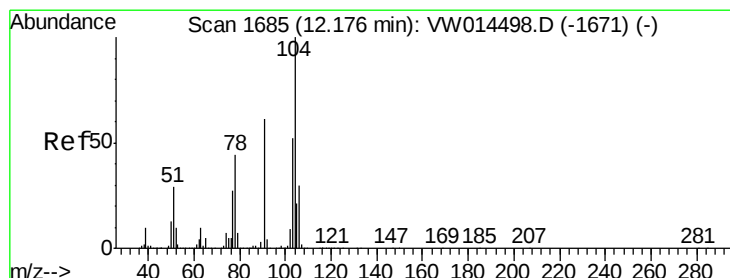
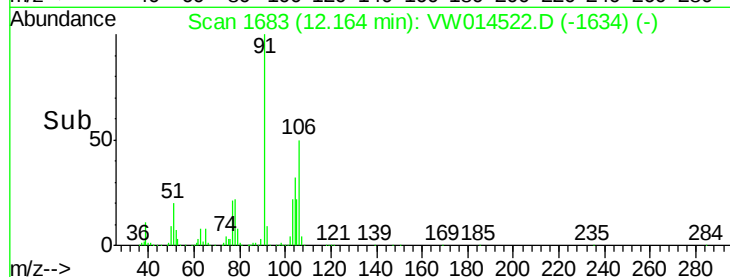
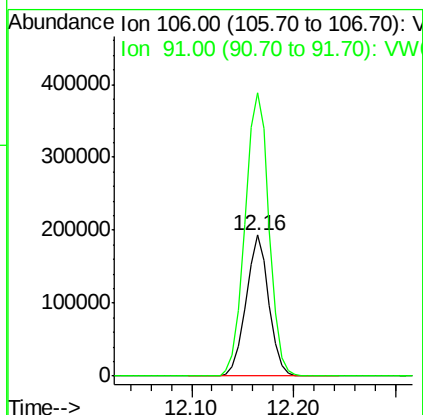
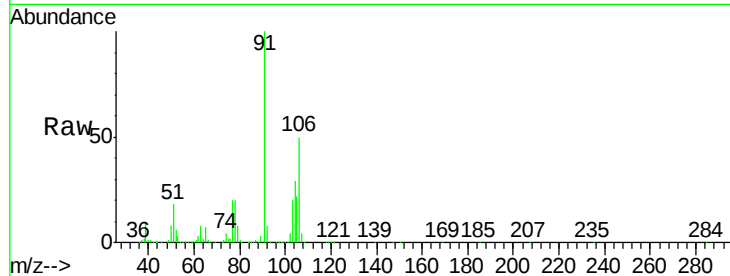




#69
o-Xylene
Concen: 19.333 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014522.D
Acq: 06 Jan 2020 14:36

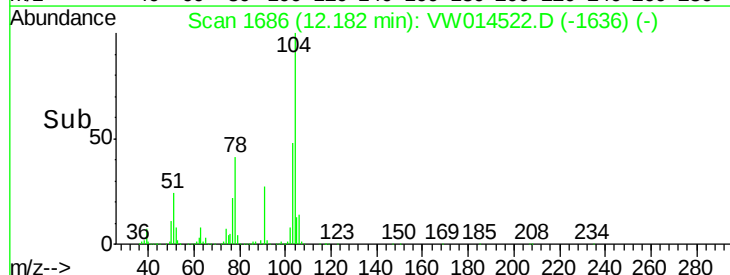
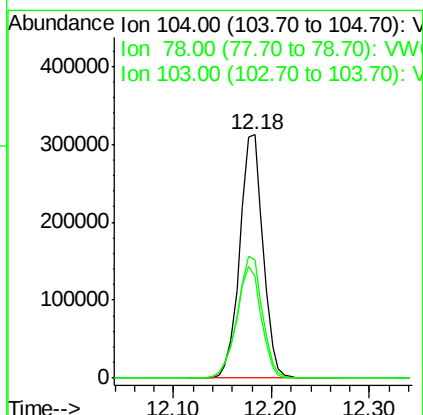
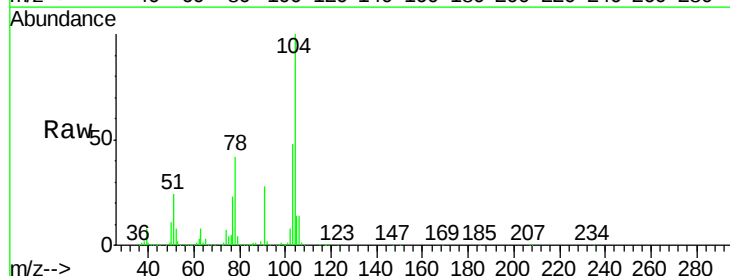
Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

Tgt Ion:106 Resp: 299397
Ion Ratio Lower Upper
106 100
91 211.5 105.2 315.6



#70
Styrene
Concen: 19.689 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW014522.D
Acq: 06 Jan 2020 14:36

Tgt Ion:104 Resp: 515725
Ion Ratio Lower Upper
104 100
78 48.7 38.4 57.6
103 53.9 43.7 65.5





#71

Bromoform

Concen: 17.767 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

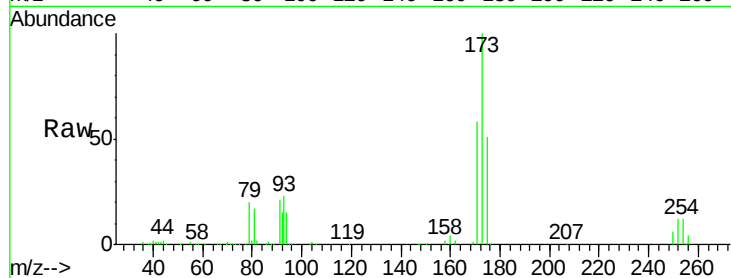
Tgt Ion:173 Resp: 79311

Ion Ratio Lower Upper

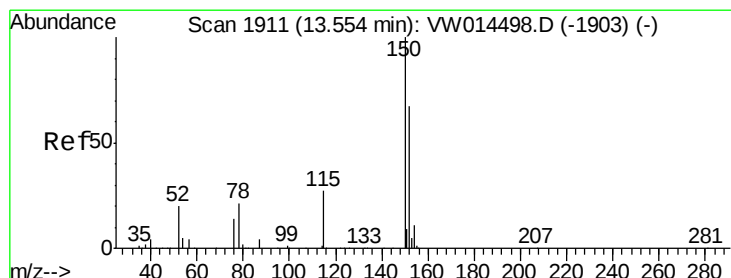
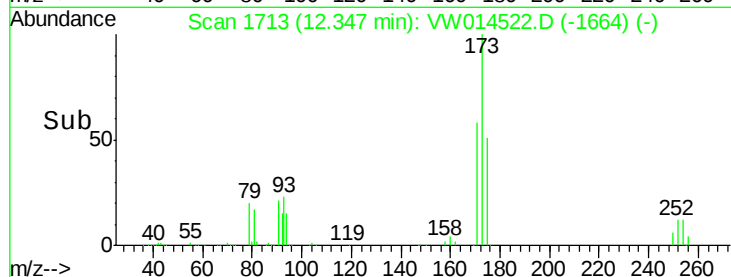
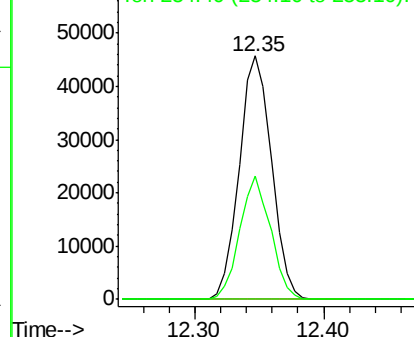
173 100

175 48.3 24.5 73.5

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

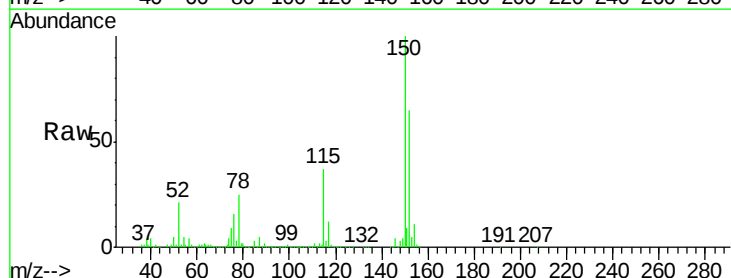
Tgt Ion:152 Resp: 579534

Ion Ratio Lower Upper

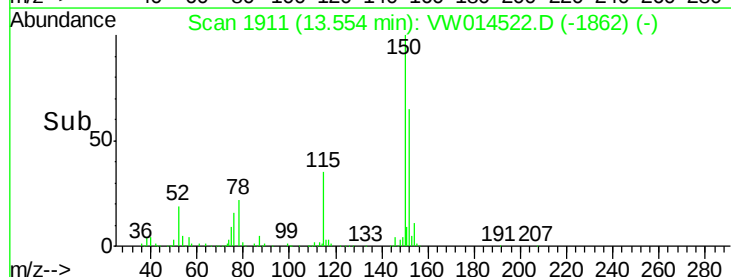
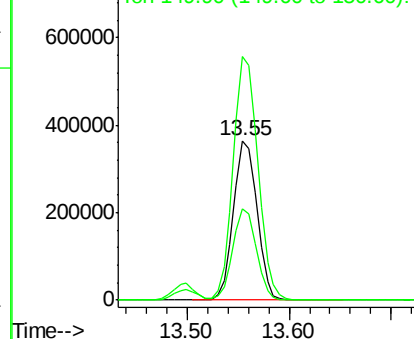
152 100

115 56.9 27.7 83.1

150 160.7 0.0 343.4



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: 19.533 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

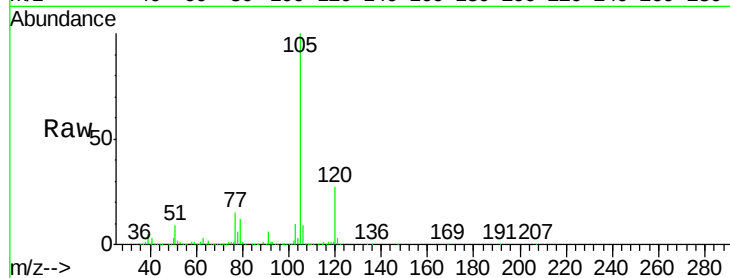
VW0106SBS01

Tgt Ion: 105 Resp: 830609

Ion Ratio Lower Upper

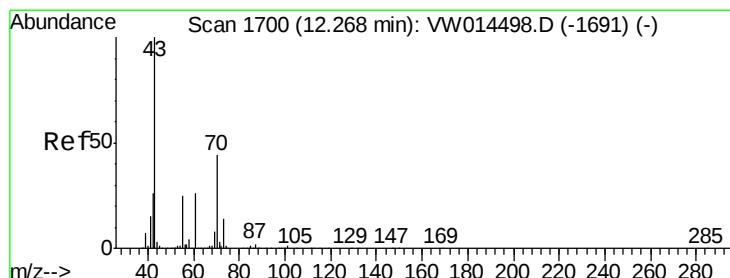
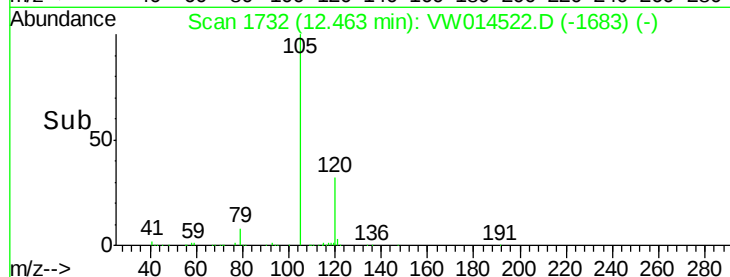
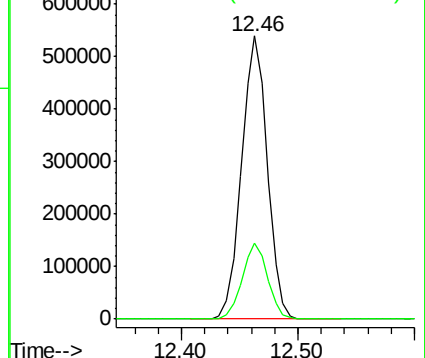
105 100

120 26.5 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.463 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Tgt Ion: 43 Resp: 176042

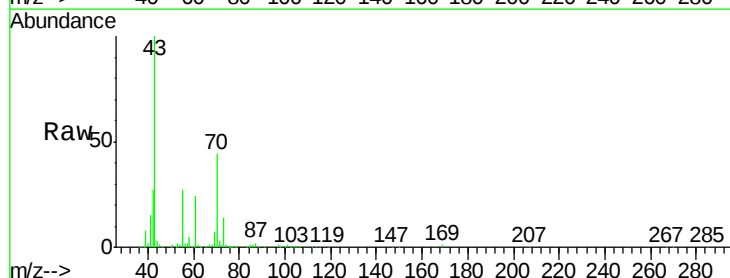
Ion Ratio Lower Upper

43 100

70 44.1 36.5 54.7

55 26.8 20.9 31.3

61 24.2 20.7 31.1

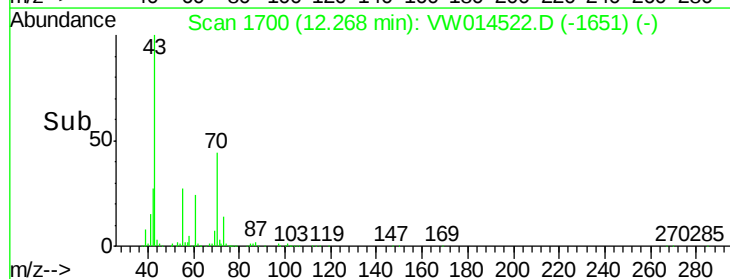
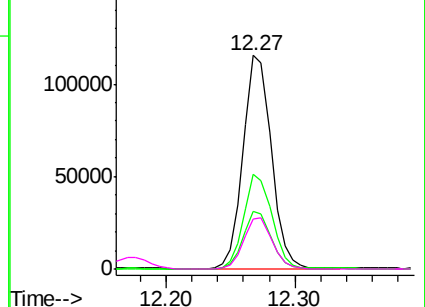


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 18.475 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

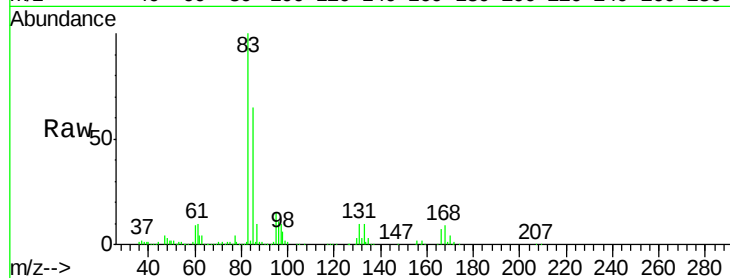
Tgt Ion: 83 Resp: 141798

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.4

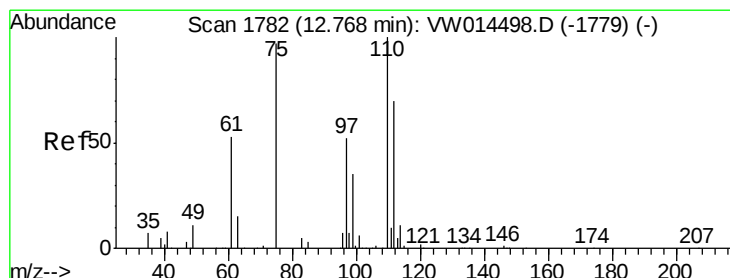
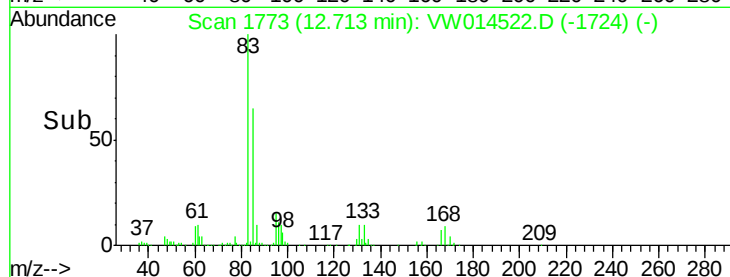
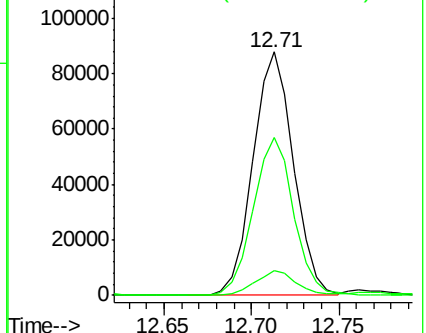
85 64.7 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 32.979 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014522.D

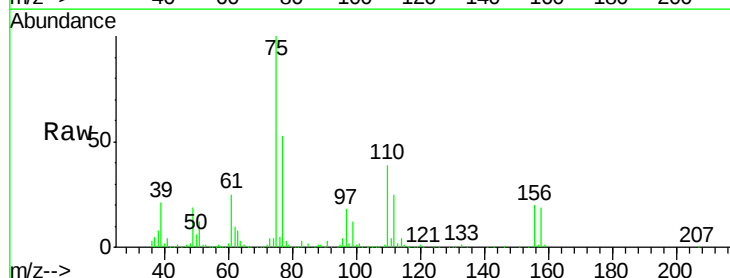
Acq: 06 Jan 2020 14:36

Tgt Ion: 75 Resp: 180704

Ion Ratio Lower Upper

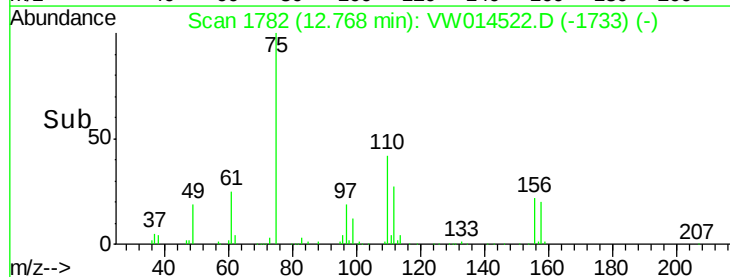
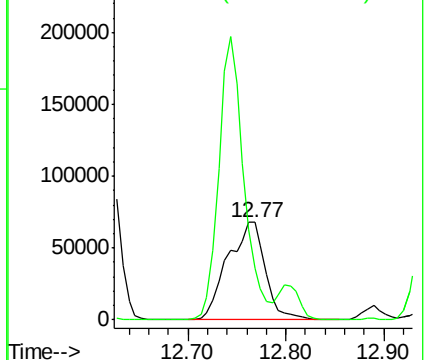
75 100

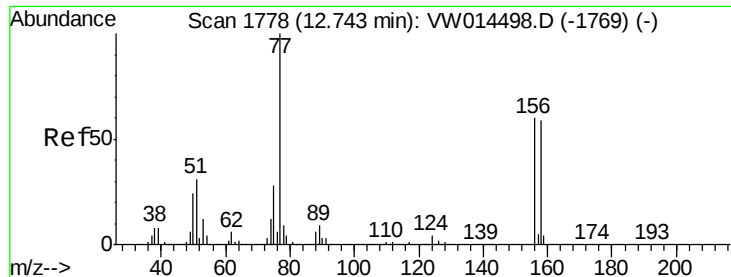
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.448 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampled :

VW0106SBS01

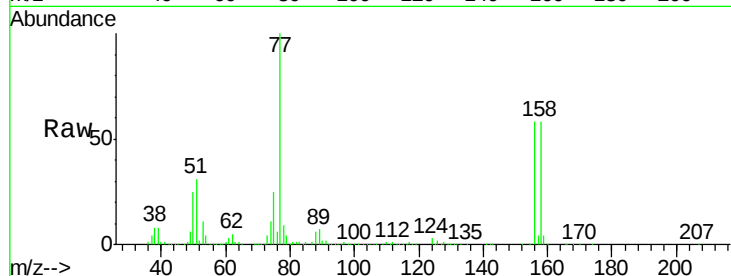
Tgt Ion:156 Resp: 192079

Ion Ratio Lower Upper

156 100

77 183.1 92.3 277.1

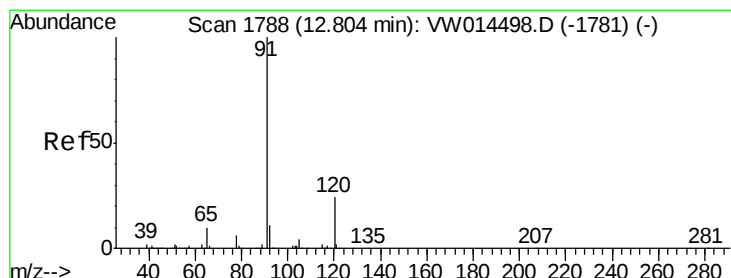
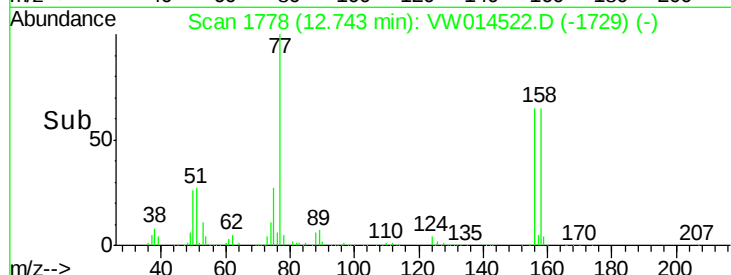
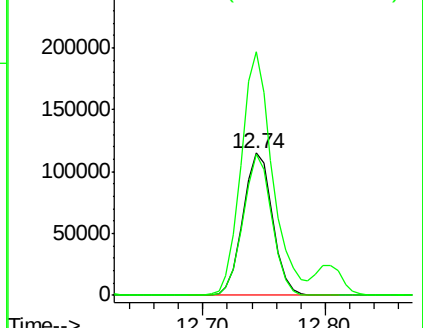
158 96.5 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.994 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW014522.D

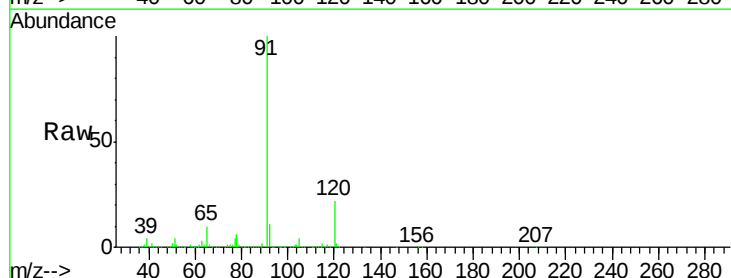
Acq: 06 Jan 2020 14:36

Tgt Ion: 91 Resp: 999784

Ion Ratio Lower Upper

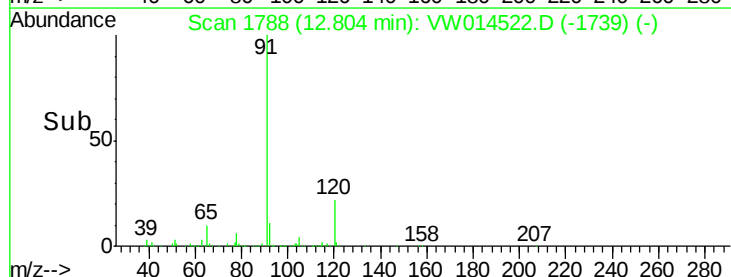
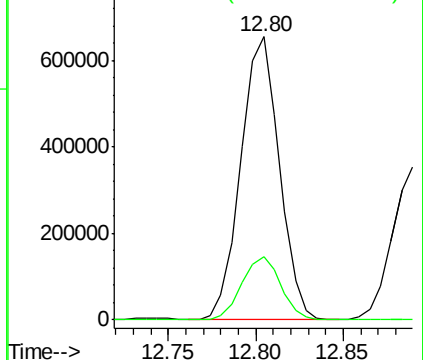
91 100

120 22.6 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.736 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

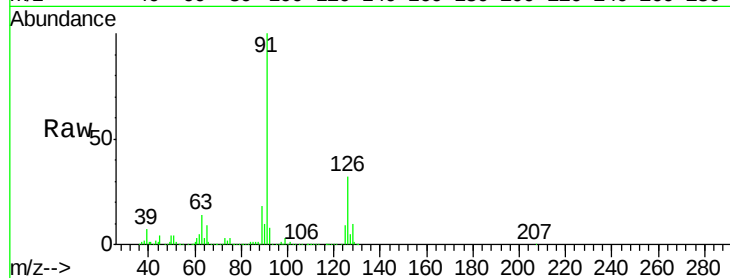
VW0106SBS01

Tgt Ion: 91 Resp: 561588

Ion Ratio Lower Upper

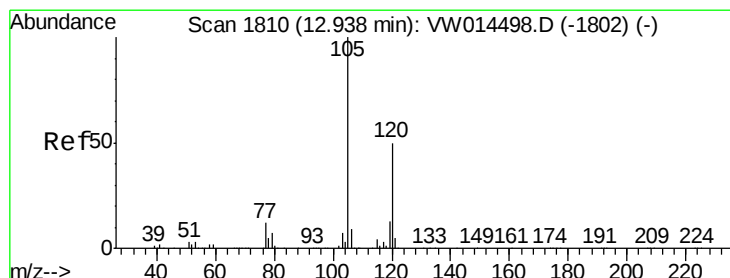
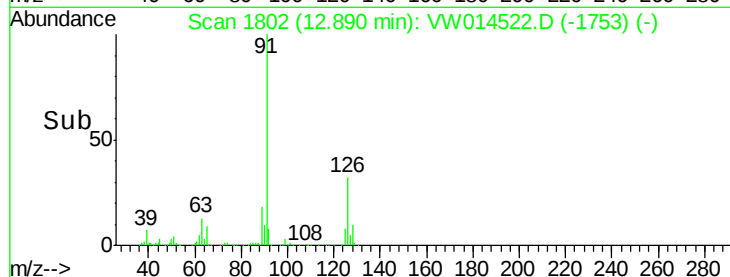
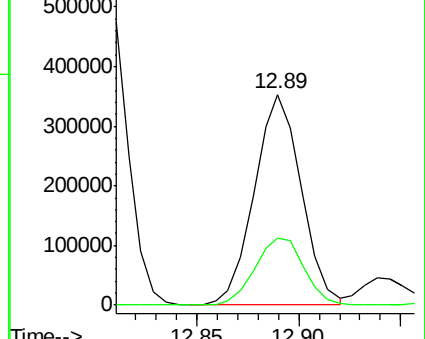
91 100

126 33.5 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.862 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW014522.D

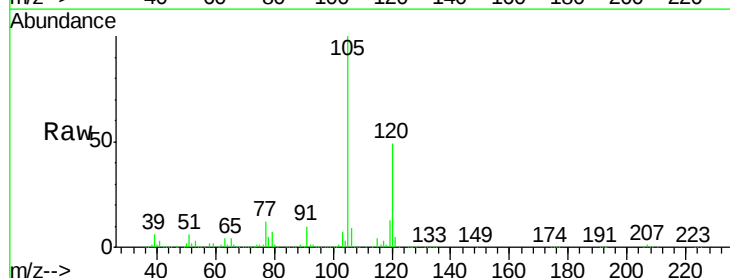
Acq: 06 Jan 2020 14:36

Tgt Ion: 105 Resp: 709145

Ion Ratio Lower Upper

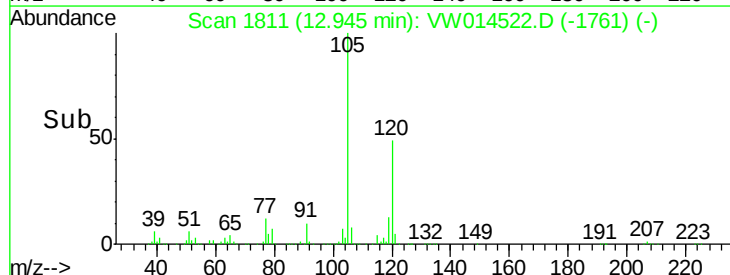
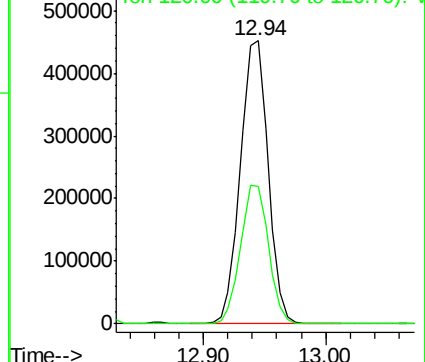
105 100

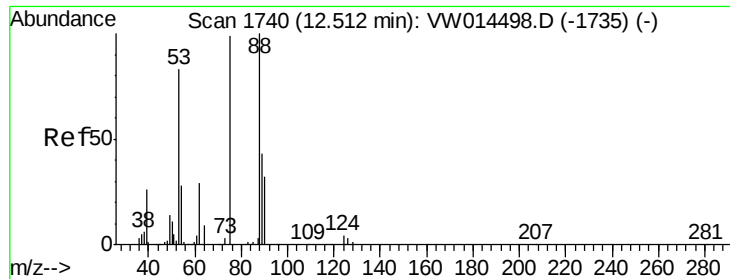
120 49.5 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.116 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

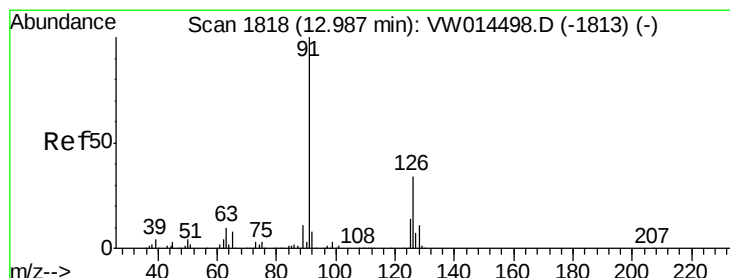
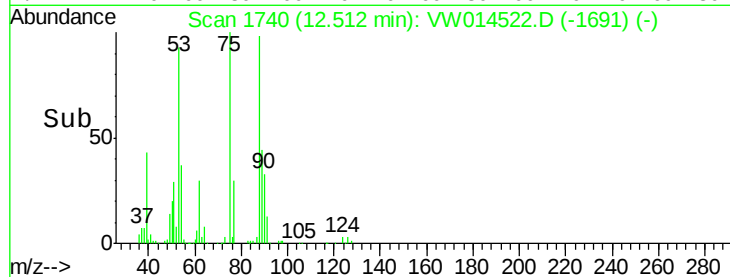
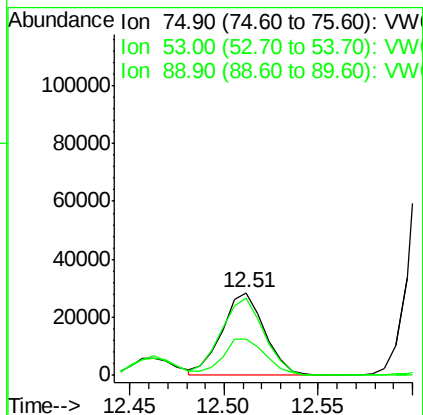
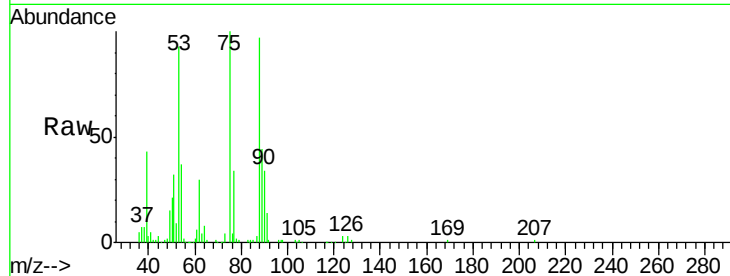
Tgt Ion: 75 Resp: 44552

Ion Ratio Lower Upper

75 100

53 94.3 70.9 106.3

89 44.2 35.8 53.8



#82

4-Chlorotoluene

Concen: 19.757 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW014522.D

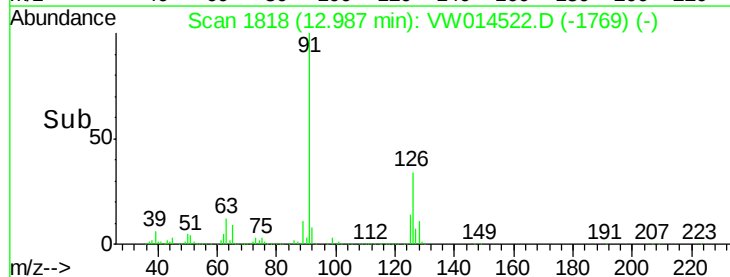
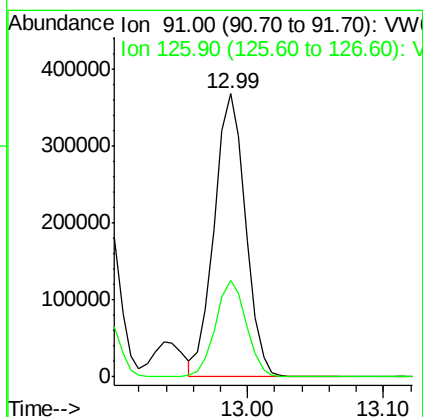
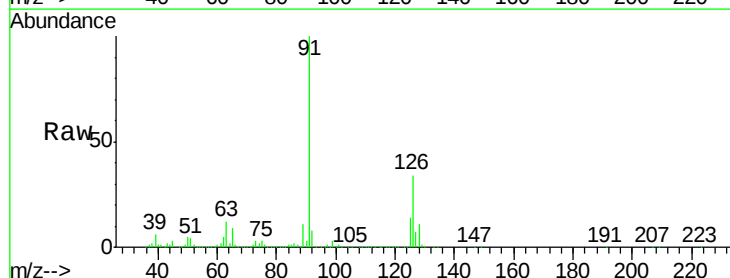
Acq: 06 Jan 2020 14:36

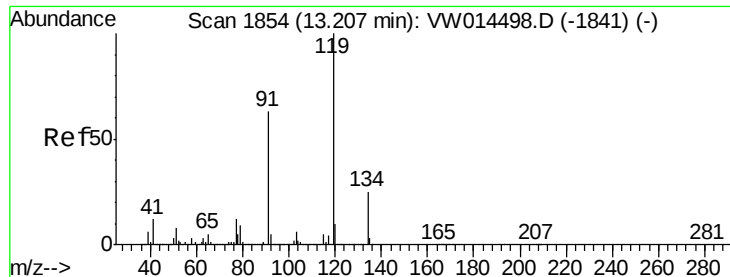
Tgt Ion: 91 Resp: 584088

Ion Ratio Lower Upper

91 100

126 33.7 17.1 51.2

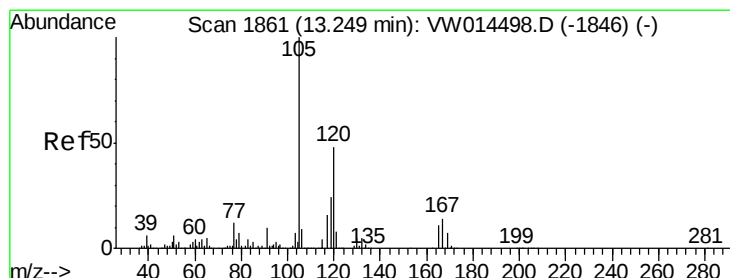
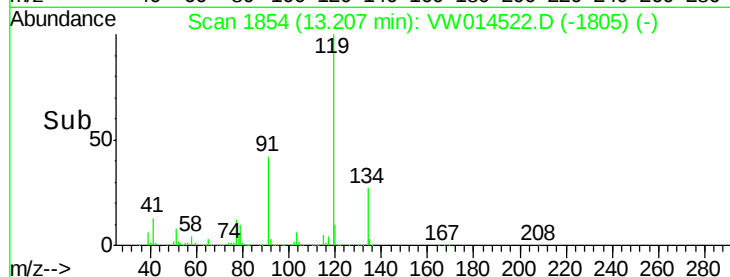
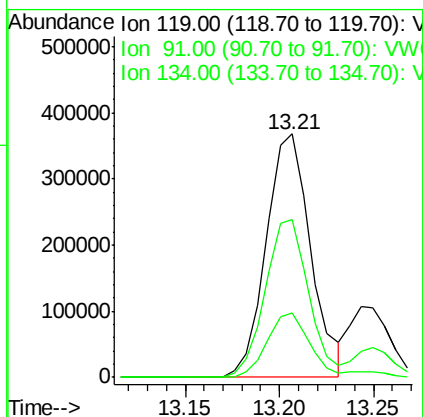
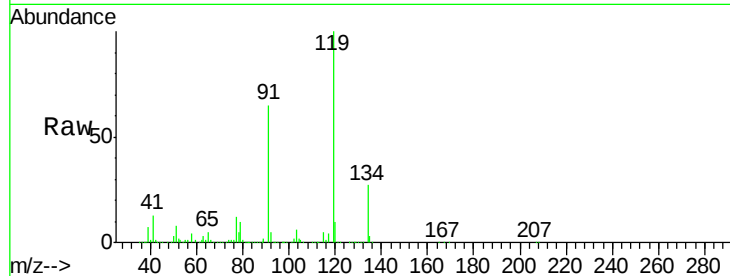




#83
tert-Butylbenzene
Concen: 19.301 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW014522.D
Acq: 06 Jan 2020 14:36

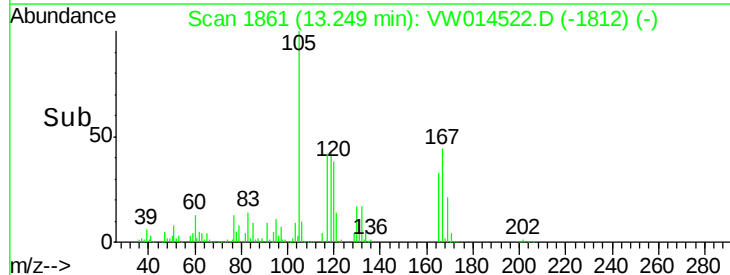
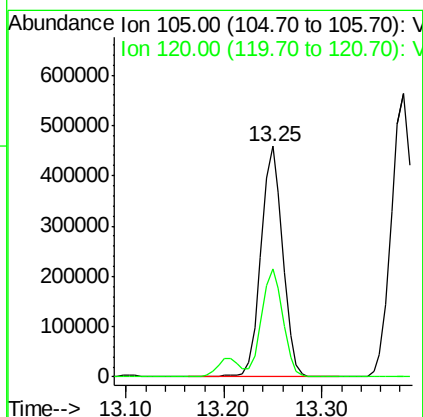
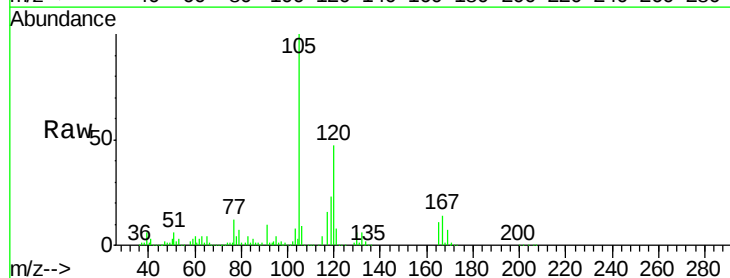
Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

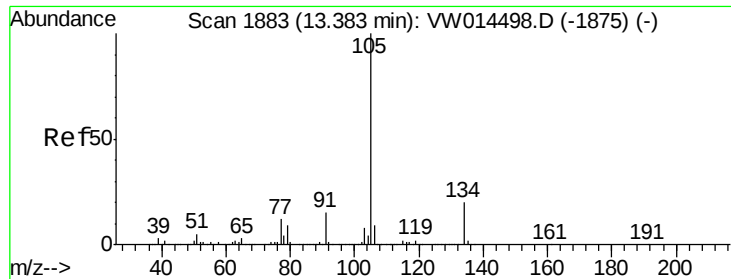
Tgt Ion:119 Resp: 603343
Ion Ratio Lower Upper
119 100
91 62.9 31.1 93.3
134 25.5 13.5 40.5



#84
1,2,4-Trimethylbenzene
Concen: 19.825 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW014522.D
Acq: 06 Jan 2020 14:36

Tgt Ion:105 Resp: 704404
Ion Ratio Lower Upper
105 100
120 46.0 23.4 70.0

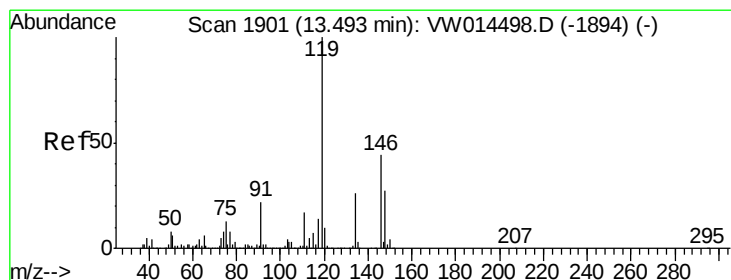
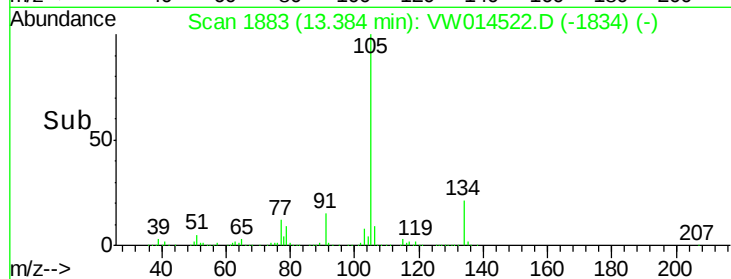
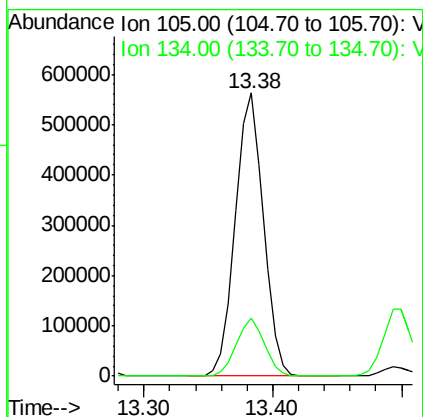
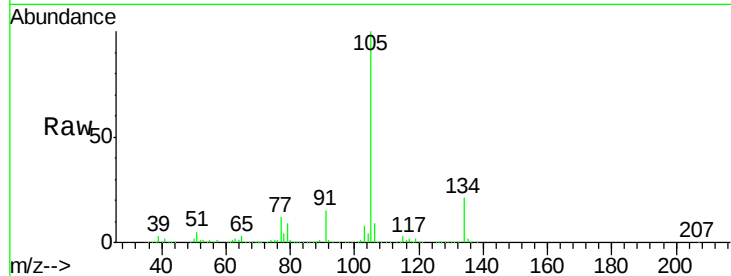




#85
 sec-Butylbenzene
 Concen: 19.721 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

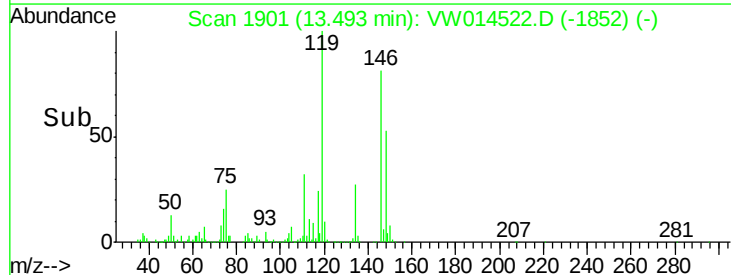
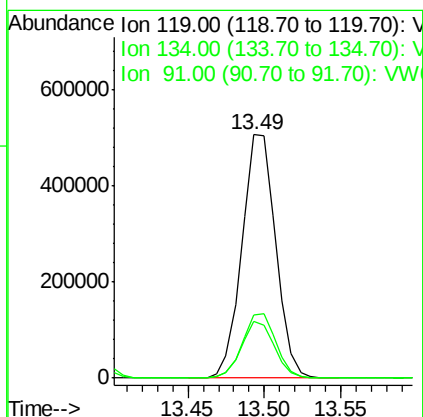
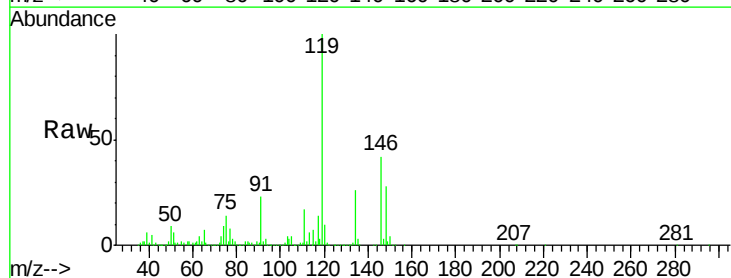
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

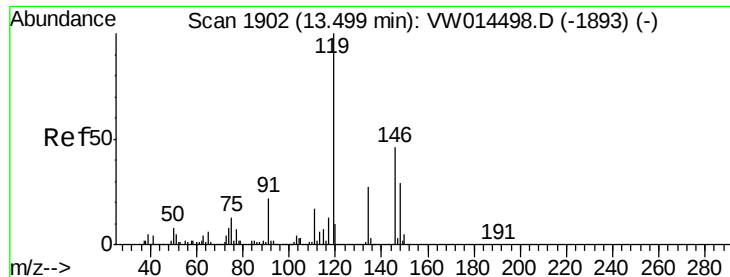
Tgt Ion:105 Resp: 853306
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 19.717 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

Tgt Ion:119 Resp: 777642
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.5
 91 22.5 11.1 33.3

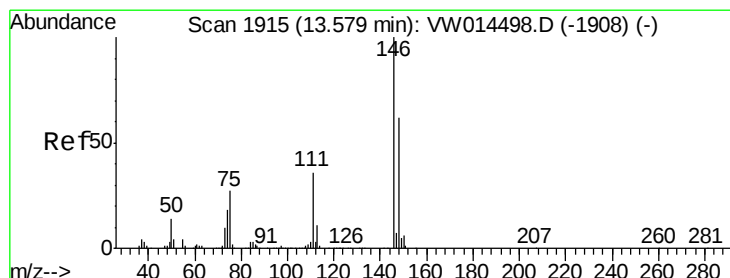
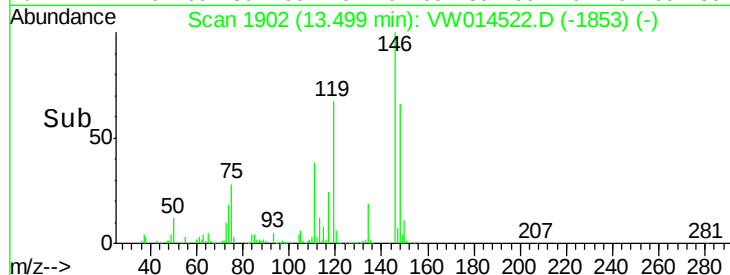
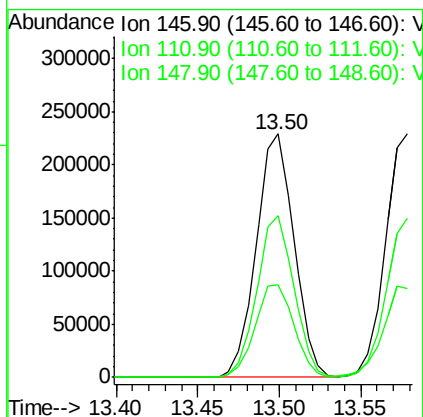
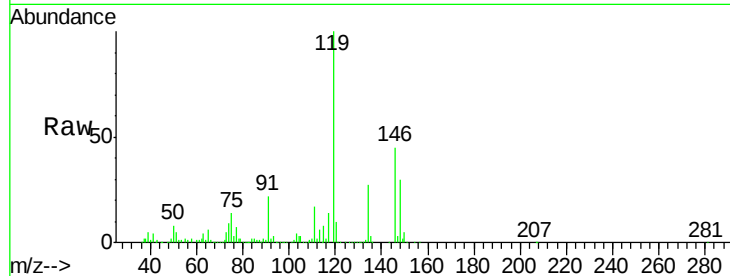




#87
 1,3-Dichlorobenzene
 Concen: 19.132 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

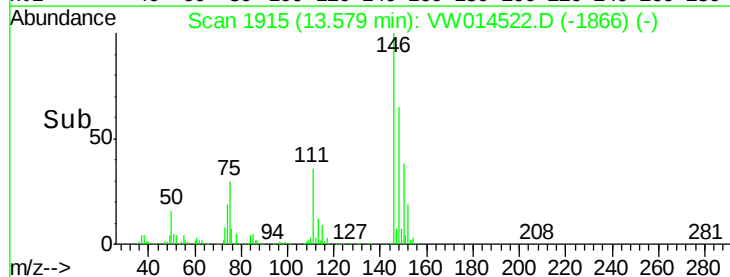
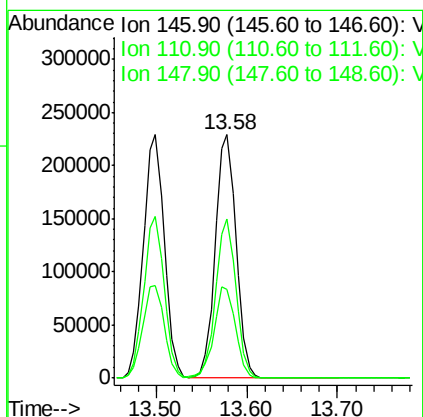
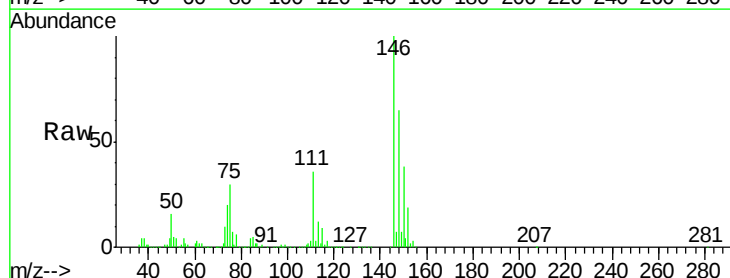
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

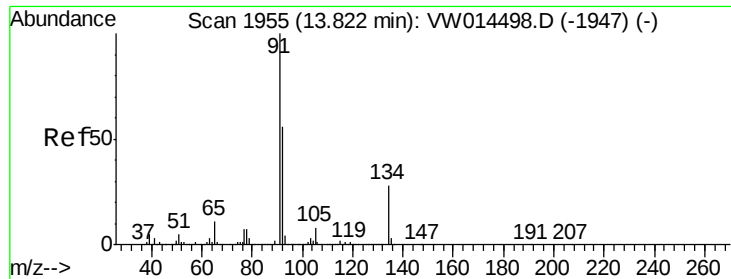
Tgt Ion:146 Resp: 367430
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.3 57.9
 148 65.3 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.444 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

Tgt Ion:146 Resp: 368667
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.7 56.1
 148 63.9 31.7 95.1





#89

n-Butylbenzene

Concen: 19.737 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW014522.D

Acq: 06 Jan 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

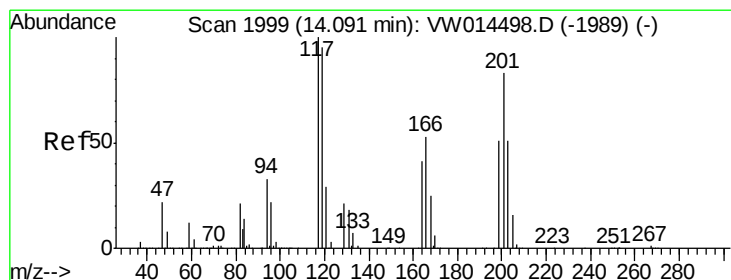
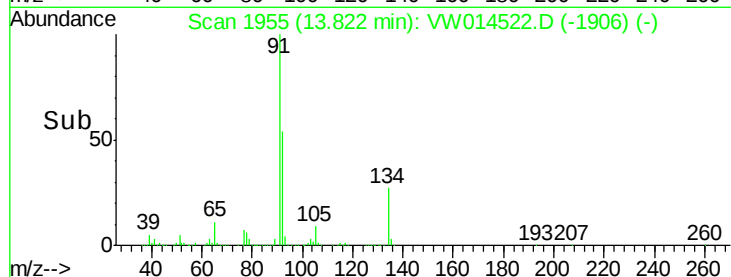
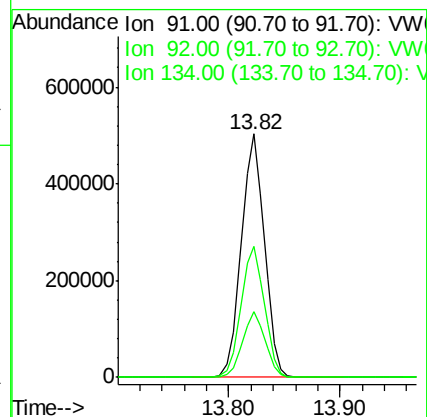
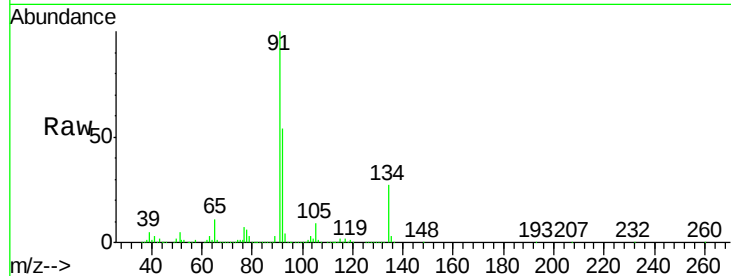
Tgt Ion: 91 Resp: 722851

Ion Ratio Lower Upper

91 100

92 54.2 27.5 82.5

134 26.5 13.7 41.1



#90

Hexachloroethane

Concen: 19.076 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW014522.D

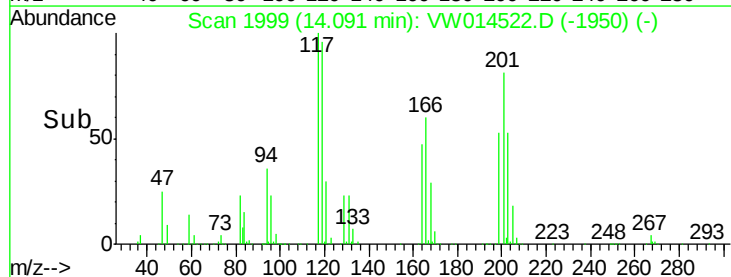
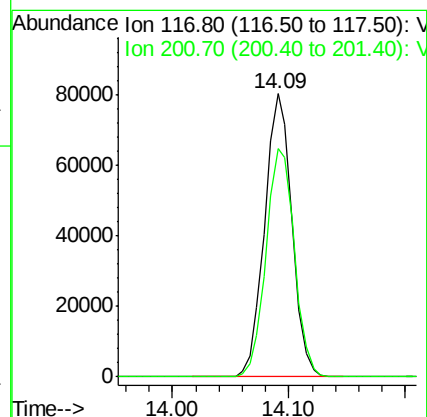
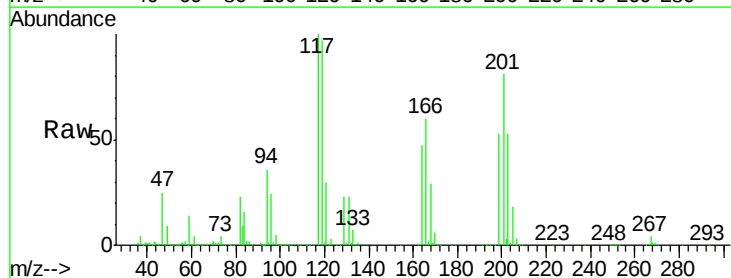
Acq: 06 Jan 2020 14:36

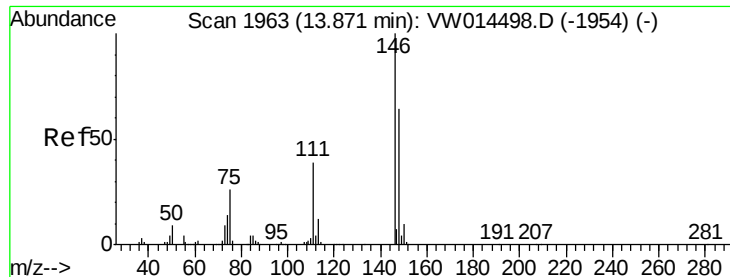
Tgt Ion: 117 Resp: 131432

Ion Ratio Lower Upper

117 100

201 83.3 43.0 128.8

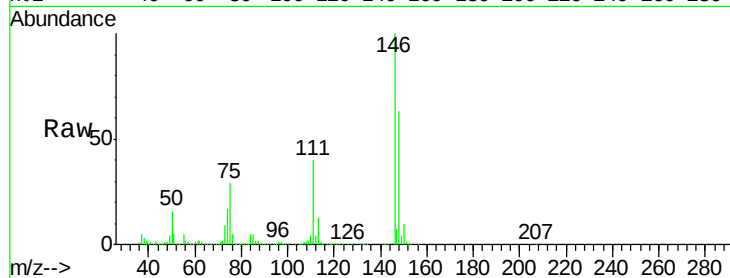




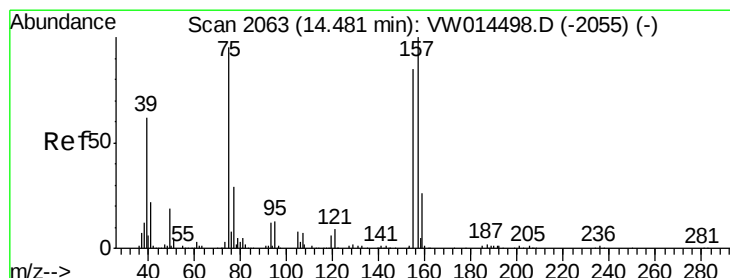
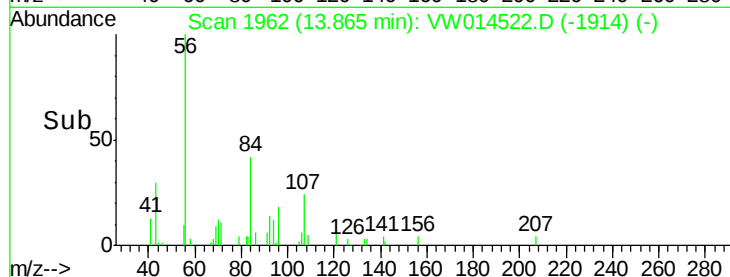
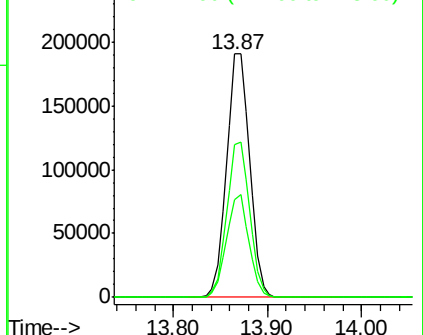
#91
 1,2-Dichlorobenzene
 Concen: 19.219 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.4	61.3
148	63.2	32.3	96.8

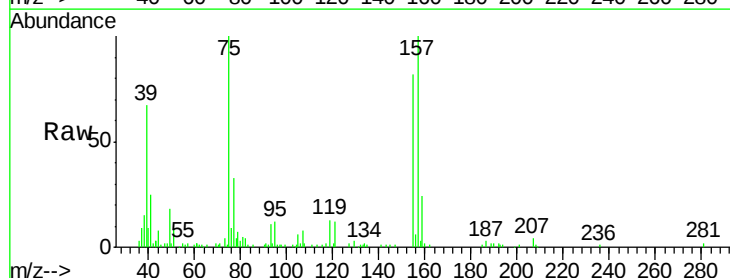


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

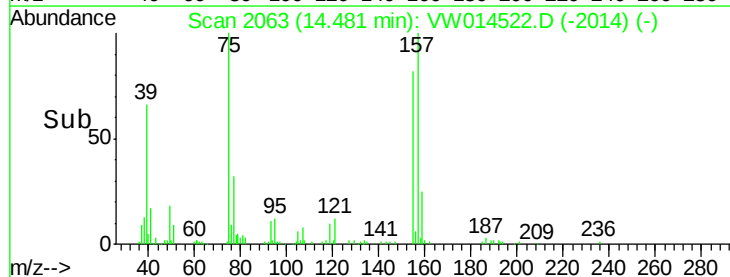
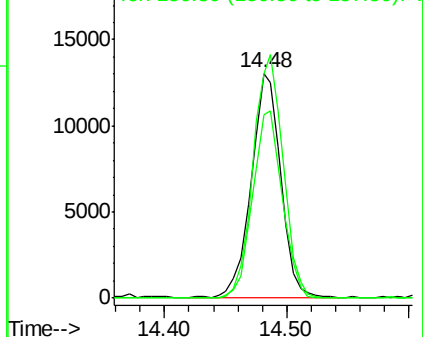


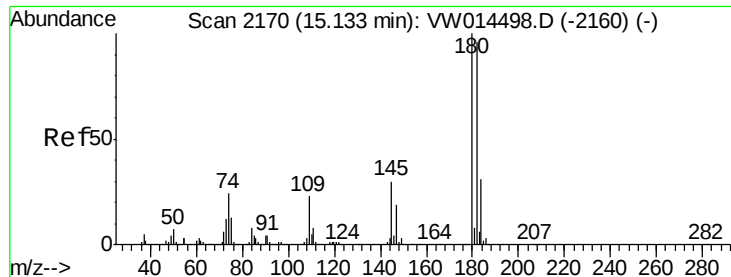
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.174 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.1	45.8	137.4
157	108.6	58.1	174.2



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

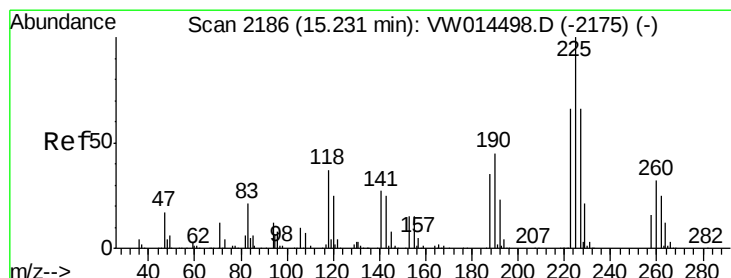
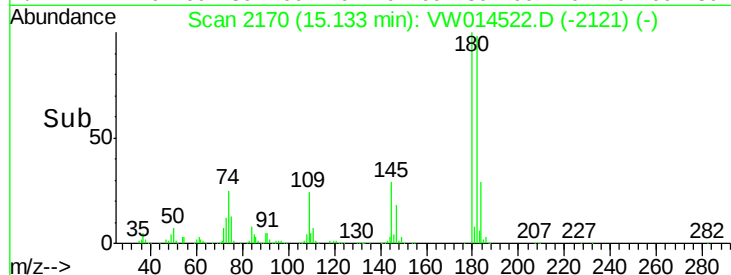
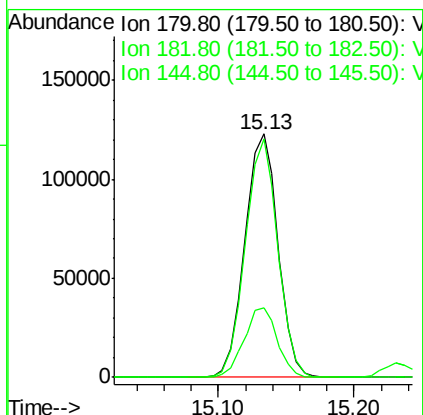
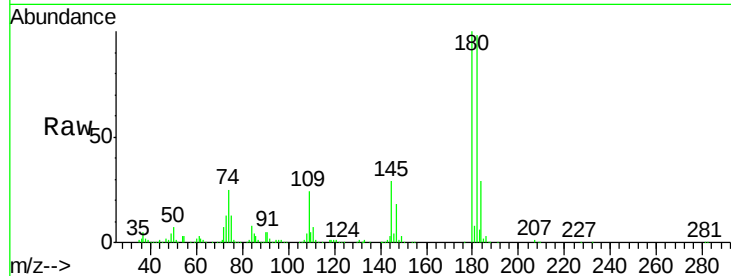




#93
 1,2,4-Trichlorobenzene
 Concen: 18.397 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

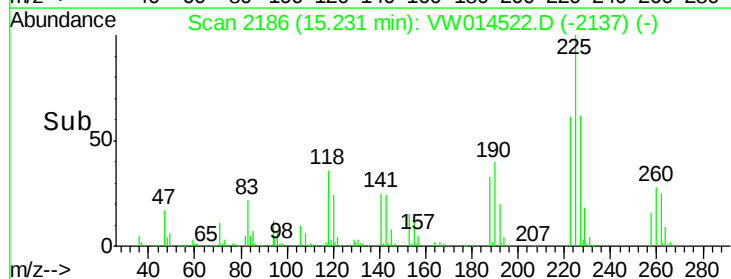
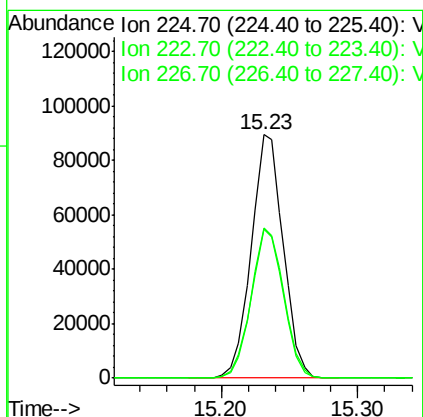
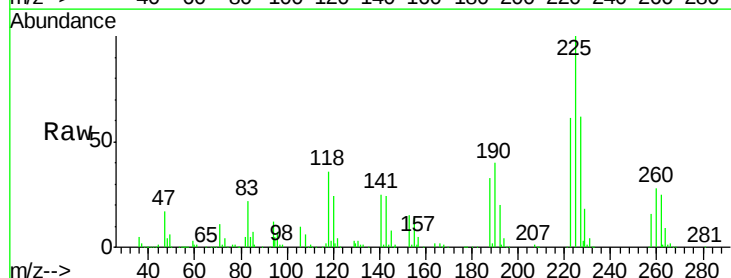
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

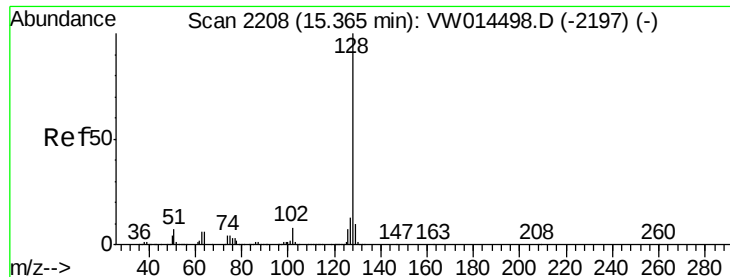
Tgt Ion:180 Resp: 209714
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.3 141.8
 145 28.7 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 19.297 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VW014522.D
 Acq: 06 Jan 2020 14:36

Tgt Ion:225 Resp: 147408
 Ion Ratio Lower Upper
 225 100
 223 61.9 32.4 97.2
 227 62.8 32.6 97.8

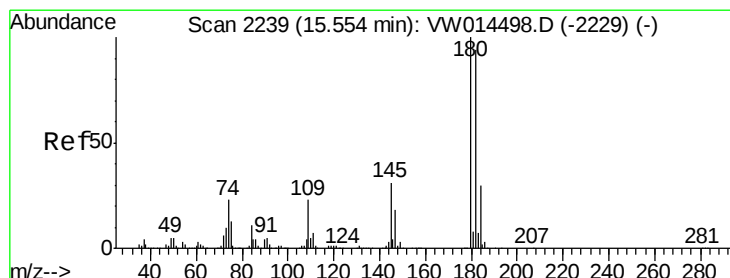
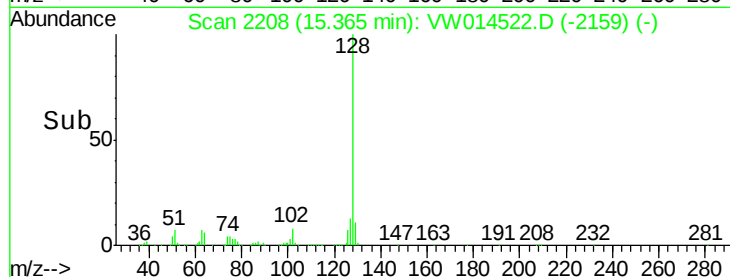
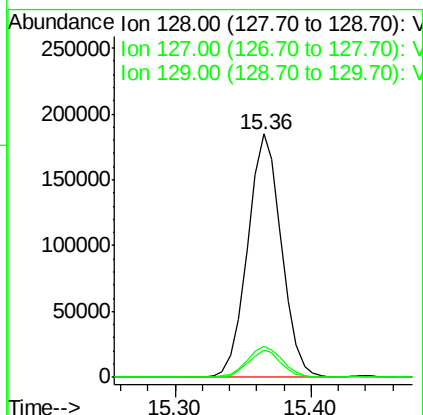
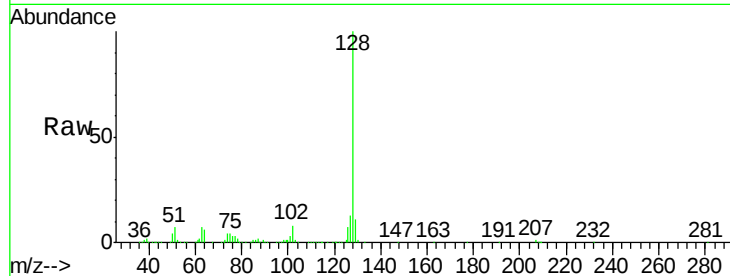




#95
Naphthalene
Concen: 16.567 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014522.D
Acq: 06 Jan 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

Tgt Ion:128 Resp: 322072
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 17.753 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW014522.D
Acq: 06 Jan 2020 14:36

Tgt Ion:180 Resp: 176397
Ion Ratio Lower Upper
180 100
182 97.1 47.4 142.2
145 31.1 15.5 46.5

