

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011020\
 Data File : VW014598.D
 Acq On : 10 Jan 2020 14:40
 Operator : SY/VA
 Sample : VW0110SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD01

Quant Time: Jan 11 03:58:42 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	743226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1085079	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	936380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	466081	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	312154	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
35) Dibromofluoromethane	7.88	113	308374	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	10.32	98	1279449	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.62	95	438700	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	79873	19.034	ug/l	99
3) Chloromethane	2.21	50	109824	21.381	ug/l	100
4) Vinyl Chloride	2.35	62	165507	21.907	ug/l	97
5) Bromomethane	2.76	94	100139	21.457	ug/l	99
6) Chloroethane	2.92	64	92381	21.451	ug/l	96
7) Trichlorofluoromethane	3.25	101	73685	19.493	ug/l	95
8) Diethyl Ether	3.68	74	77187	20.523	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	153064	21.672	ug/l	98
10) Methyl Iodide	4.27	142	219118	20.562	ug/l	100
11) Tert butyl alcohol	5.17	59	53526	92.373	ug/l	99
12) 1,1-Dichloroethene	4.04	96	155474	21.021	ug/l	97
13) Acrolein	3.89	56	53409	94.169	ug/l	99
14) Allyl chloride	4.66	41	234091	20.711	ug/l	99
15) Acrylonitrile	5.36	53	180180	104.809	ug/l	99
16) Acetone	4.12	43	182517	99.472	ug/l	97
17) Carbon Disulfide	4.38	76	445876	20.001	ug/l	100
18) Methyl Acetate	4.66	43	92339	20.837	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	202394	22.045	ug/l	98
20) Methylene Chloride	4.92	84	175055	20.964	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	167891	21.378	ug/l	99
22) Diisopropyl ether	6.31	45	450629	21.301	ug/l	100
23) Vinyl Acetate	6.25	43	1305031	102.156	ug/l	99
24) 1,1-Dichloroethane	6.21	63	280935	21.052	ug/l	98
25) 2-Butanone	7.17	43	244480	103.826	ug/l	97
26) 2,2-Dichloropropane	7.16	77	159086	21.532	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	171298	20.758	ug/l	98
28) Bromochloromethane	7.51	49	97330	18.604	ug/l	98
29) Tetrahydrofuran	7.52	42	151868	104.107	ug/l	99
30) Chloroform	7.67	83	262628	21.046	ug/l	100
31) Cyclohexane	7.95	56	288539	20.806	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	214077	21.330	ug/l	98
36) 1,1-Dichloropropene	8.08	75	227555	21.753	ug/l	99
37) Ethyl Acetate	7.25	43	100074	21.094	ug/l	99
38) Carbon Tetrachloride	8.07	117	197338	21.745	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	291205	21.692	ug/l	98
40) Benzene	8.32	78	646699	21.850	ug/l	99
41) Methacrylonitrile	7.48	41	60963	23.052	ug/l	92
42) 1,2-Dichloroethane	8.40	62	164852	21.463	ug/l	100
43) Isopropyl Acetate	8.42	43	184357	21.399	ug/l	99
44) Trichloroethene	9.09	130	174673	21.810	ug/l	93
45) 1,2-Dichloropropane	9.37	63	157722	21.716	ug/l	98
46) Dibromomethane	9.46	93	76623	21.371	ug/l	97
47) Bromodichloromethane	9.64	83	189147	21.368	ug/l	98
48) Methyl methacrylate	9.43	41	89195	21.206	ug/l	99
49) 1,4-Dioxane	9.44	88	27869	415.585	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	485901	108.610	ug/l	99
52) Toluene	10.38	92	408568	21.943	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	194262	21.196	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	239582	21.388	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	116570	22.261	ug/l	98
56) Ethyl methacrylate	10.65	69	145833	21.429	ug/l	99
57) 1,3-Dichloropropane	10.93	76	202212	21.972	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	216235	104.476	ug/l	99
59) 2-Hexanone	10.97	43	340871	110.570	ug/l	100
60) Dibromochloromethane	11.13	129	125670	21.270	ug/l	100
61) 1,2-Dibromoethane	11.23	107	106873	21.501	ug/l	99
64) Tetrachloroethene	10.86	164	161266	23.789	ug/l	95
65) Chlorobenzene	11.65	112	417485	21.763	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	140111	21.692	ug/l	99
67) Ethyl Benzene	11.73	91	762599	22.059	ug/l	97
68) m/p-Xylenes	11.84	106	582479	44.022	ug/l	98
69) o-Xylene	12.16	106	268136	21.939	ug/l	100
70) Styrene	12.18	104	458904	22.199	ug/l	100
71) Bromoform	12.35	173	76524	21.721	ug/l #	99
73) Isopropylbenzene	12.46	105	750055	21.932	ug/l	99
74) N-amyl acetate	12.27	43	163498	21.322	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	133137	21.569	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	167073	37.913	ug/l #	100
77) Bromobenzene	12.74	156	172649	21.736	ug/l	99
78) n-propylbenzene	12.80	91	886738	22.050	ug/l	100
79) 2-Chlorotoluene	12.89	91	500256	21.860	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	629202	21.912	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	42358	21.416	ug/l	99
82) 4-Chlorotoluene	12.99	91	518260	21.798	ug/l	100
83) tert-Butylbenzene	13.20	119	547431	21.775	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	629190	22.019	ug/l	100
85) sec-Butylbenzene	13.38	105	767717	22.062	ug/l	100
86) p-Isopropyltoluene	13.49	119	710942	22.414	ug/l	100
87) 1,3-Dichlorobenzene	13.49	146	337288	21.837	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	333213	21.852	ug/l	98
89) n-Butylbenzene	13.82	91	646017	21.932	ug/l	99
90) Hexachloroethane	14.09	117	117019	21.119	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	303044	22.323	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20678	21.154	ug/l	99

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

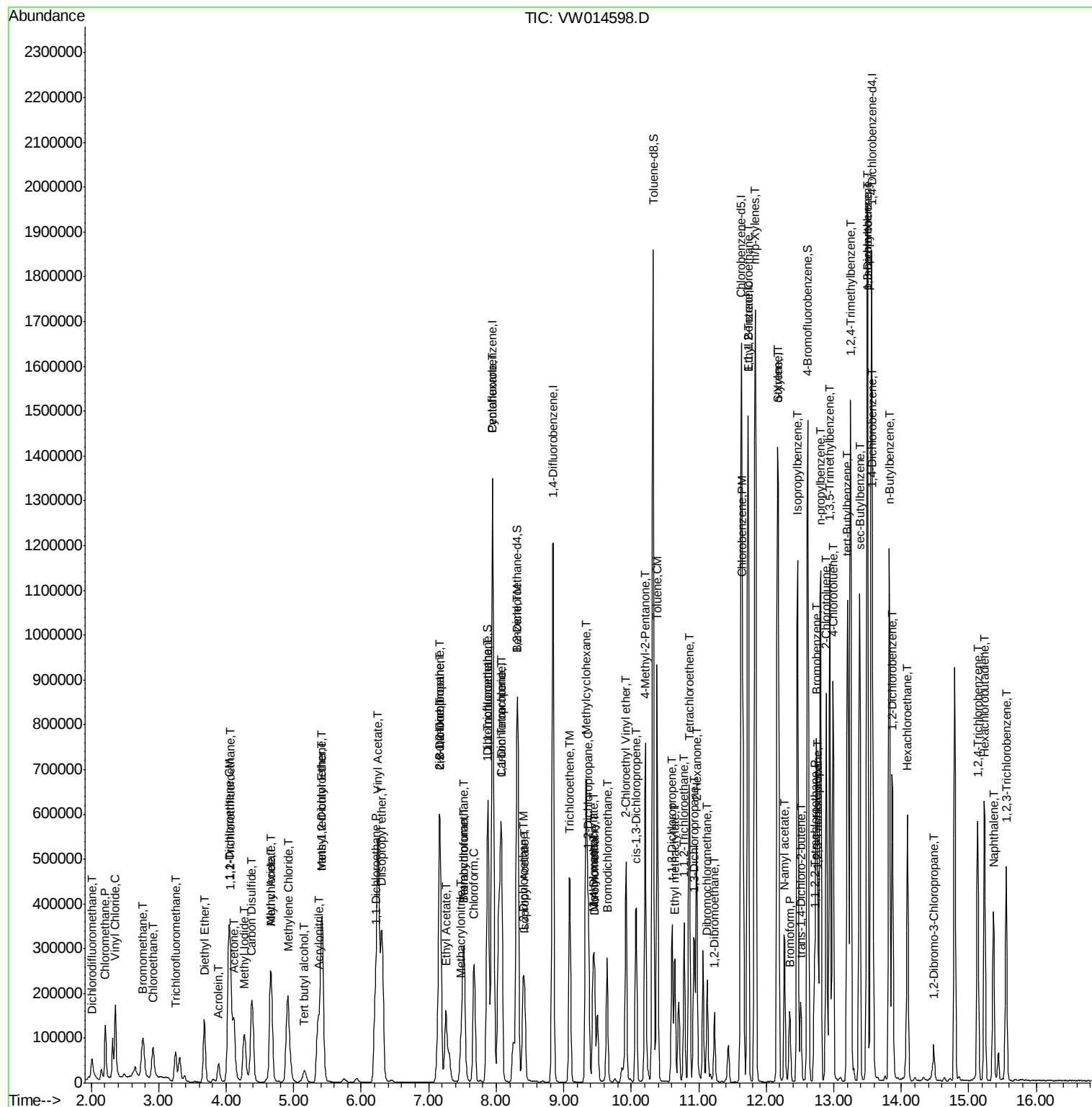
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	203464	22.194	ug/l	99
94) Hexachlorobutadiene	15.24	225	136969	22.295	ug/l	97
95) Naphthalene	15.36	128	335577	21.463	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	180618	22.603	ug/l	99

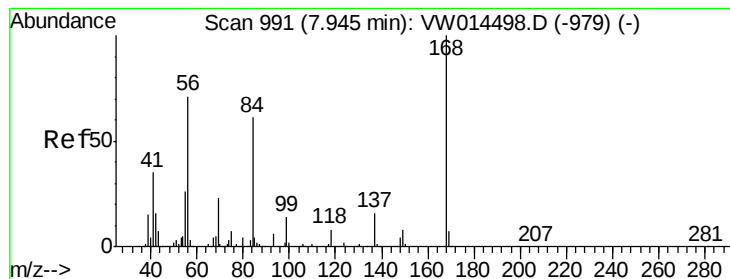
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011020\
 Data File : VW014598.D
 Acq On : 10 Jan 2020 14:40
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 Sample : VW0110SBSD01
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

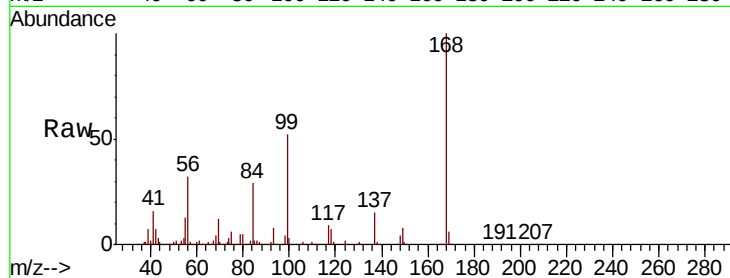
VW0110SBSD01

Tot Ion:168 Resp: 743226

Ion Ratio Lower Upper

168 100

99 51.6 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

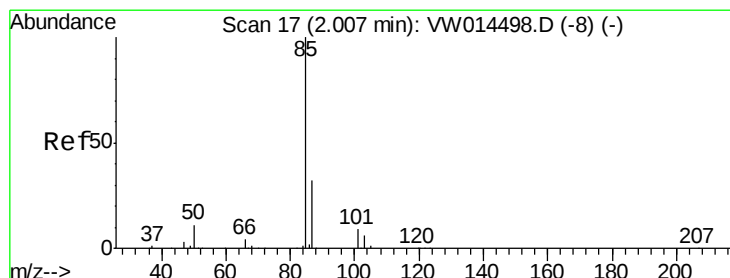
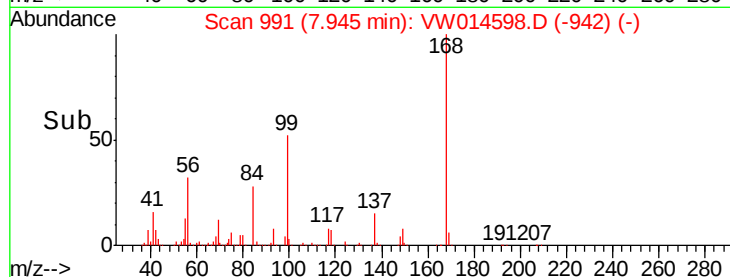
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.034 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014598.D

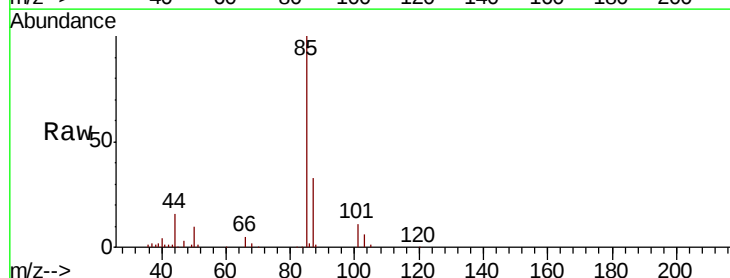
Acq: 10 Jan 2020 14:40

Tgt Ion: 85 Resp: 79873

Ion Ratio Lower Upper

85 100

87 33.1 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

30000

25000

20000

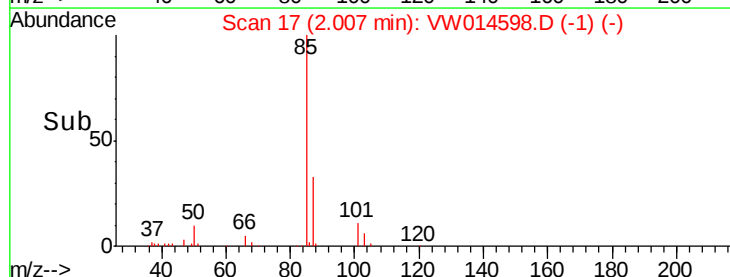
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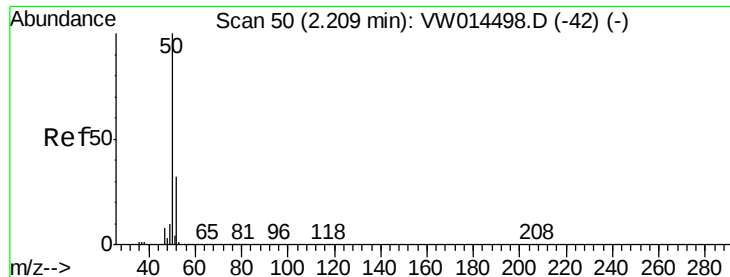
10000

5000

0

Time-->





#3

Chloromethane

Concen: 21.381 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

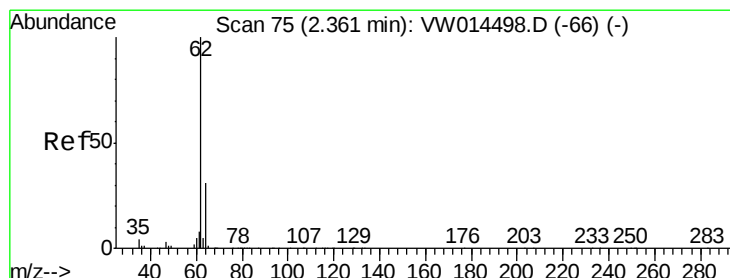
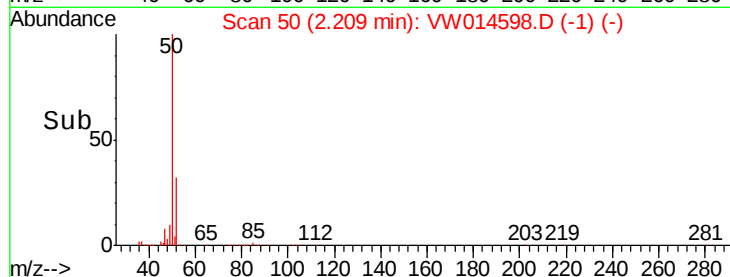
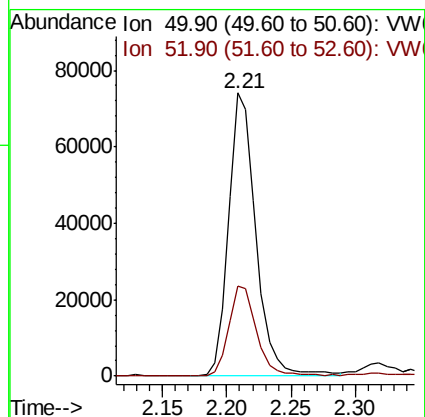
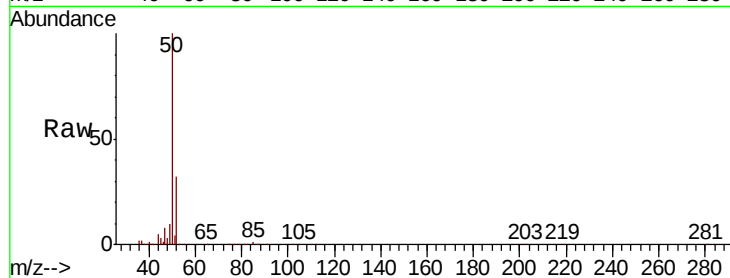
VW0110SBSD01

Tot Ion: 50 Resp: 109824

Ion Ratio Lower Upper

50 100

52 32.1 25.8 38.8



#4

Vinyl Chloride

Concen: 21.907 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014598.D

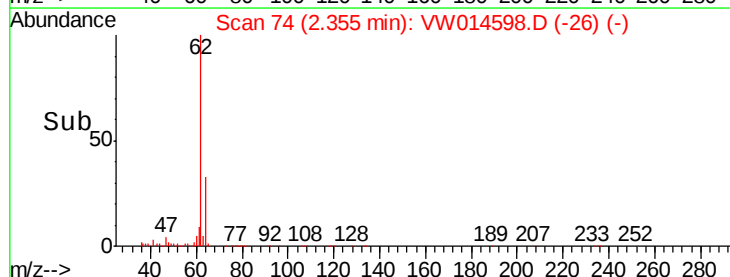
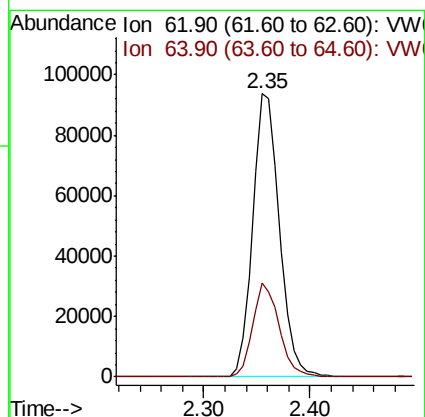
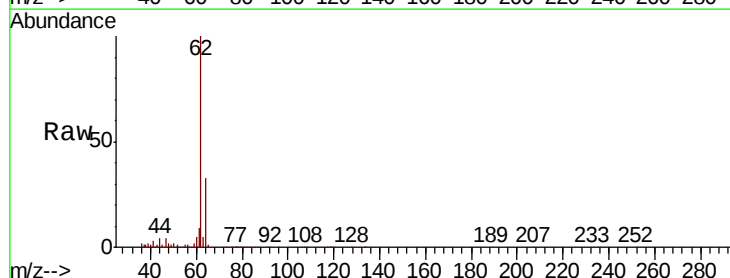
Acq: 10 Jan 2020 14:40

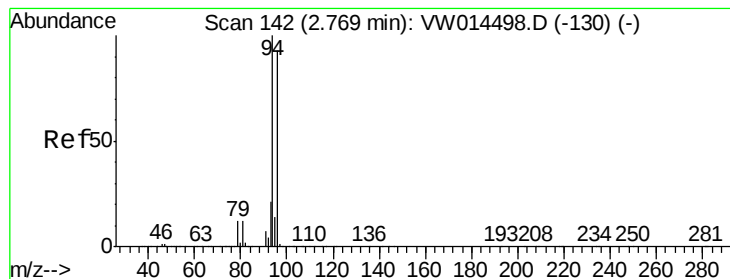
Tgt Ion: 62 Resp: 165507

Ion Ratio Lower Upper

62 100

64 33.0 25.0 37.4





#5

Bromomethane

Concen: 21.457 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

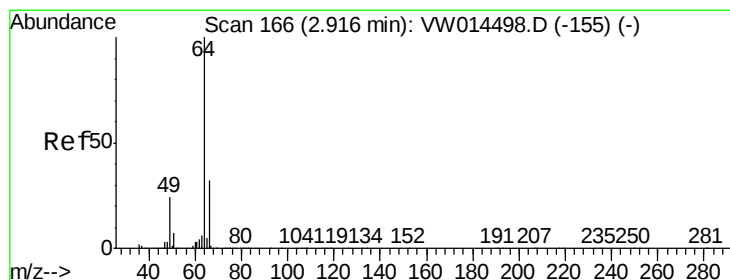
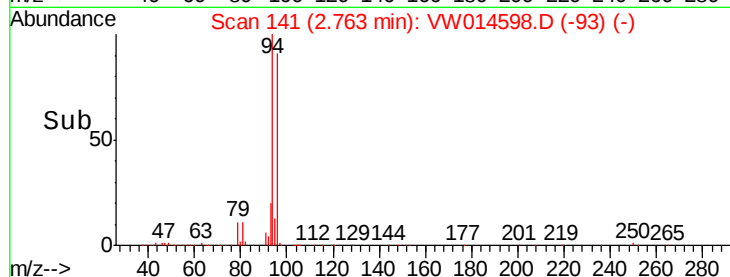
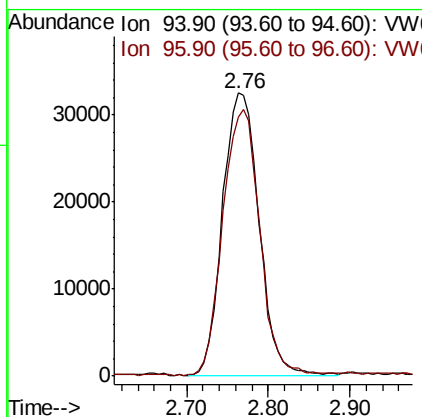
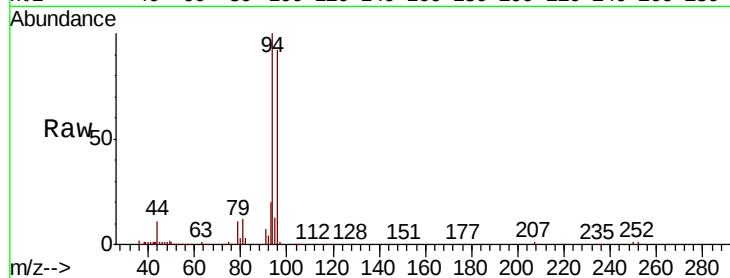
VW0110SBSD01

Tot Ion: 94 Resp: 100139

Ion Ratio Lower Upper

94 100

96 91.5 74.2 111.2



#6

Chloroethane

Concen: 21.451 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW014598.D

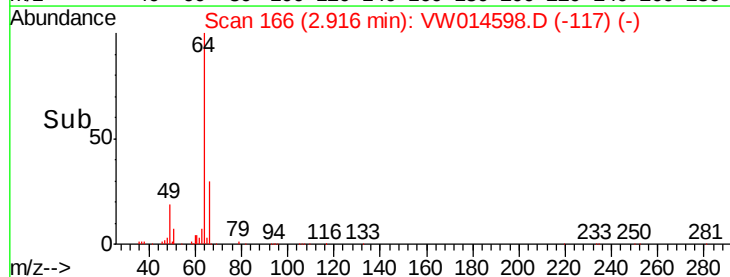
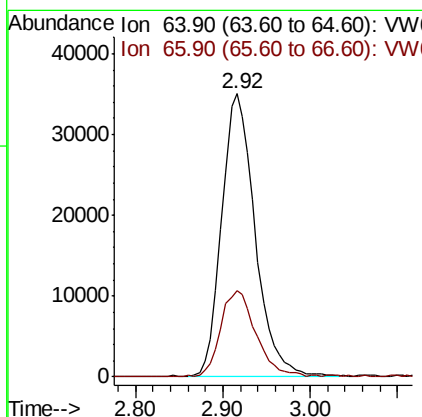
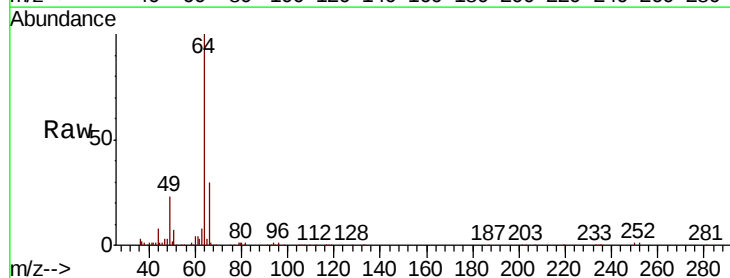
Acq: 10 Jan 2020 14:40

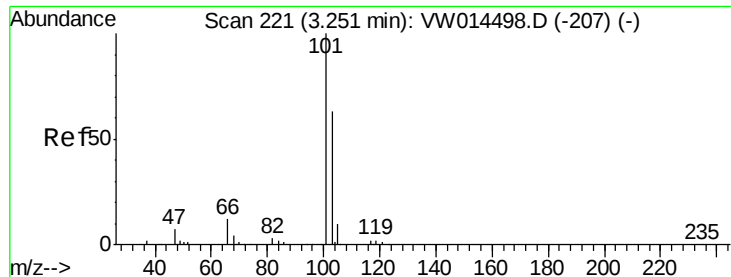
Tgt Ion: 64 Resp: 92381

Ion Ratio Lower Upper

64 100

66 29.9 25.7 38.5



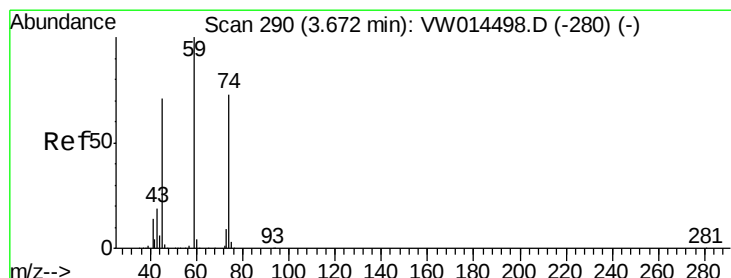
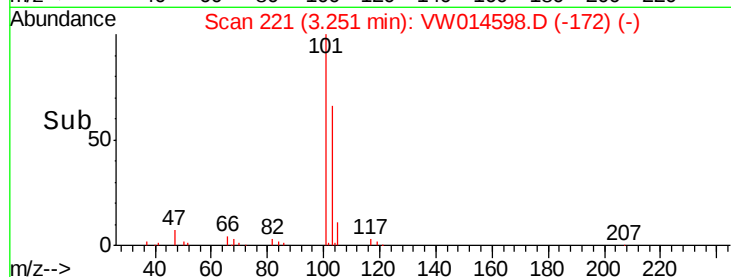
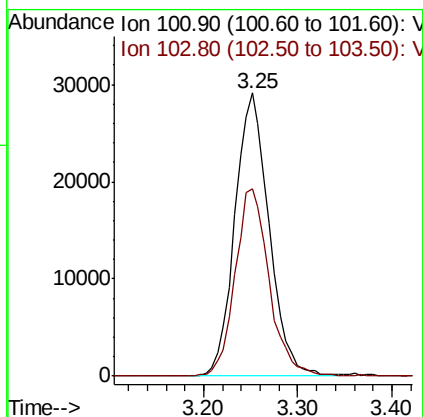
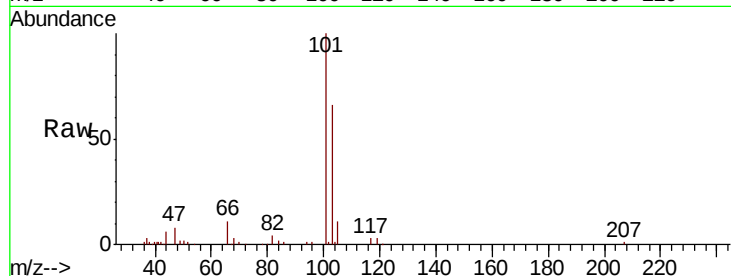


#7

Trichlorofluoromethane
 Concen: 19.493 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW014598.D
 Acq: 10 Jan 2020 14:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD01

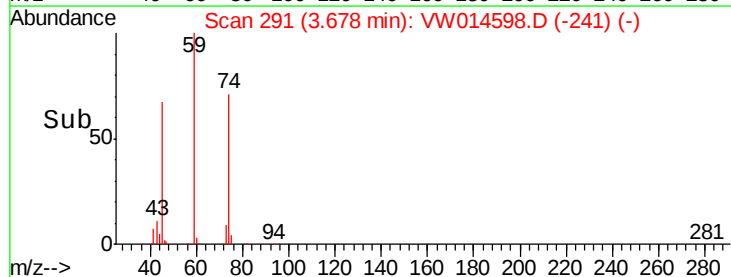
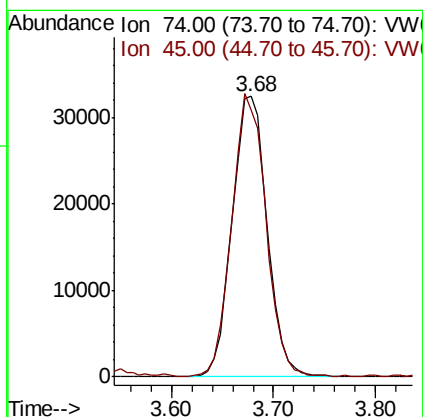
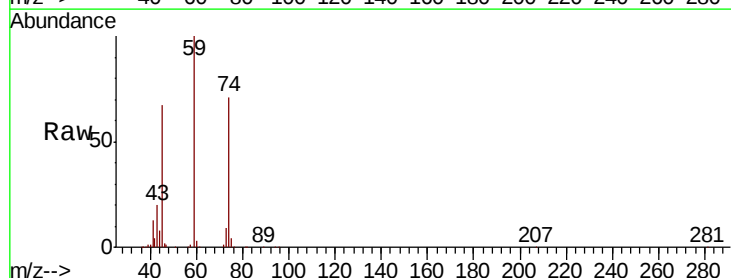
Tot Ion:101 Resp: 73685
 Ion Ratio Lower Upper
 101 100
 103 66.2 50.1 75.1



#8

Diethyl Ether
 Concen: 20.523 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.01 min
 Lab File: VW014598.D
 Acq: 10 Jan 2020 14:40

Tgt Ion: 74 Resp: 77187
 Ion Ratio Lower Upper
 74 100
 45 98.9 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.672 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD01

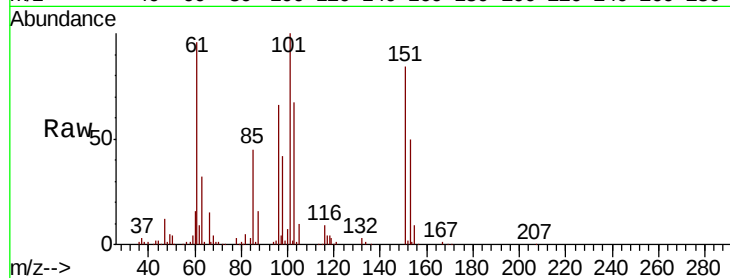
Tot Ion:101 Resp: 153064

Ion Ratio Lower Upper

101 100

85 41.5 33.7 50.5

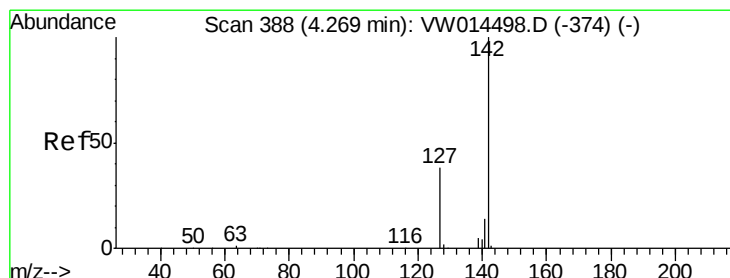
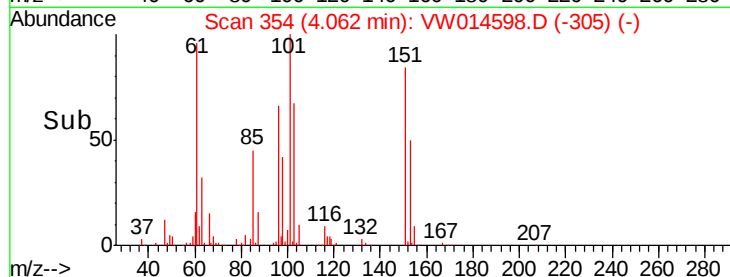
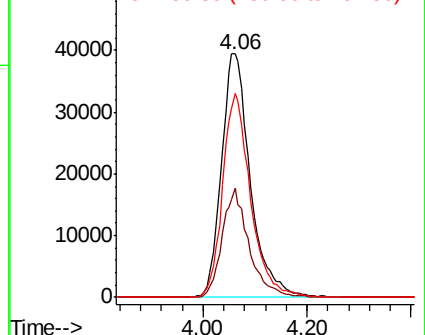
151 81.1 63.5 95.3



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: 20.562 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

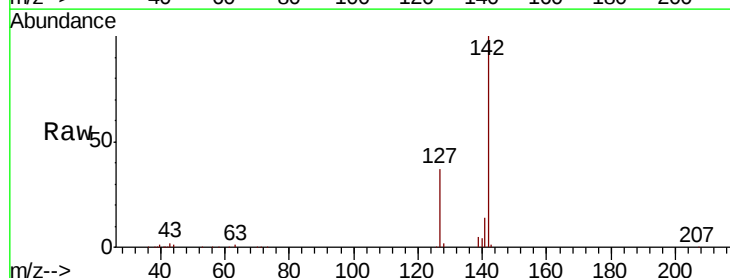
Tgt Ion:142 Resp: 219118

Ion Ratio Lower Upper

142 100

127 37.9 30.2 45.4

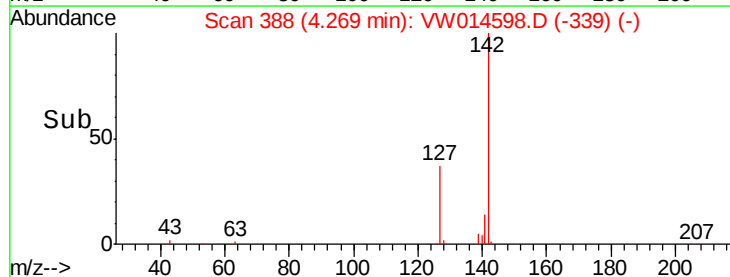
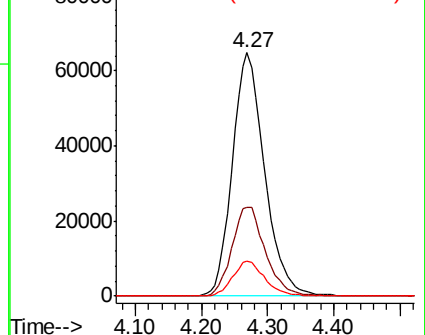
141 14.3 11.4 17.2

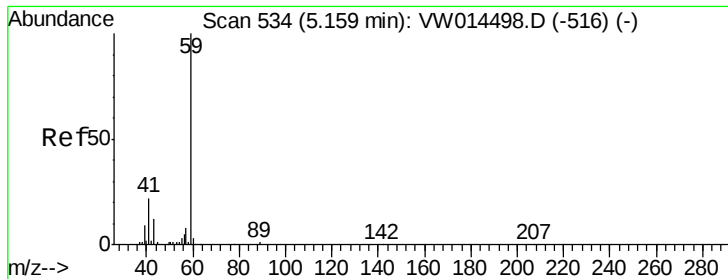


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



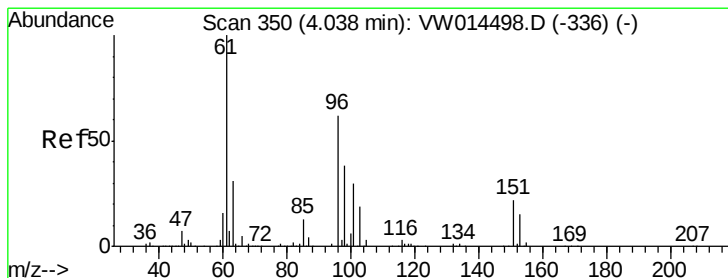
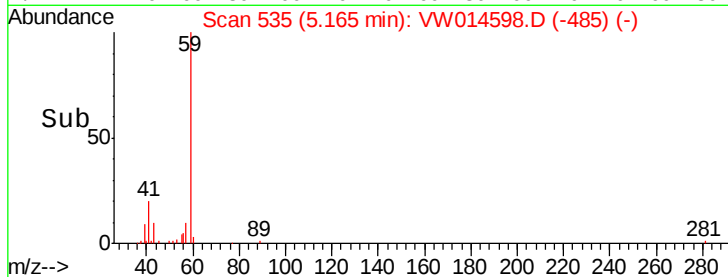
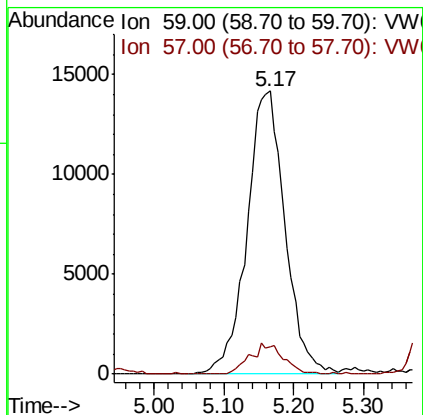
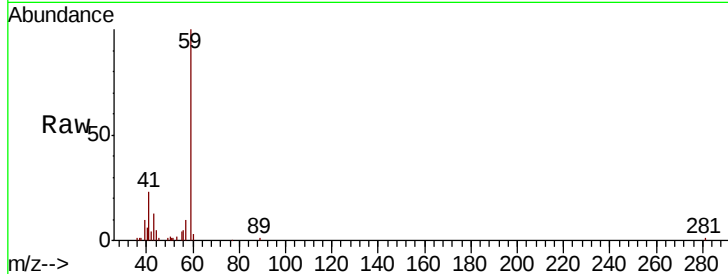


#11

Tert butyl alcohol
 Concen: 92.373 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.01 min
 Lab File: VW014598.D
 Acq: 10 Jan 2020 14:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD01

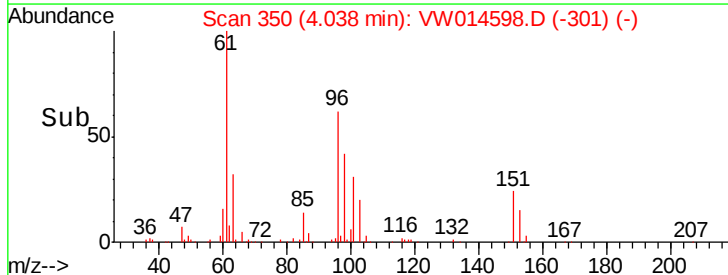
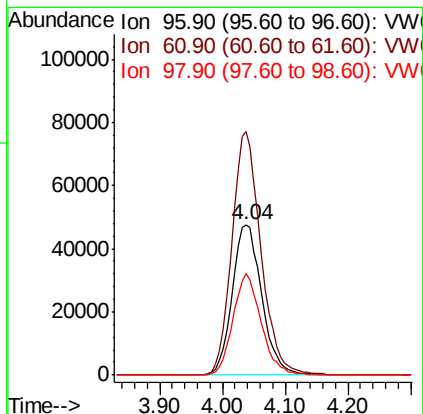
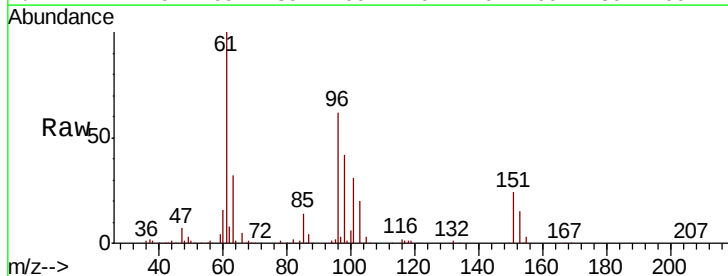
Tot Ion: 59 Resp: 53526
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.8 11.8

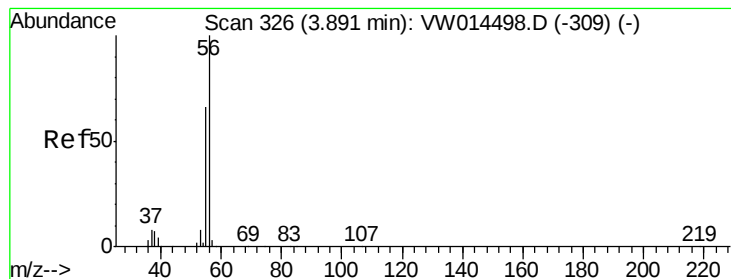


#12

1,1-Dichloroethene
 Concen: 21.021 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW014598.D
 Acq: 10 Jan 2020 14:40

Tgt Ion: 96 Resp: 155474
 Ion Ratio Lower Upper
 96 100
 61 162.1 128.4 192.6
 98 67.6 49.1 73.7





#13

Acrolein

Concen: 94.169 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

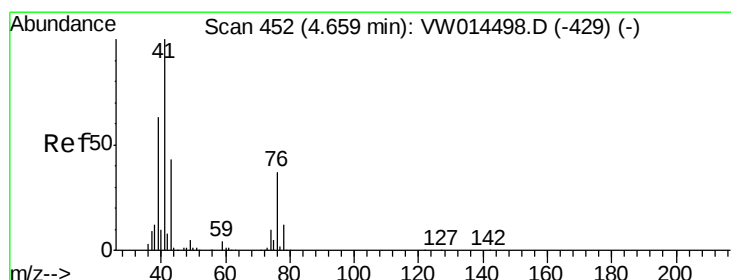
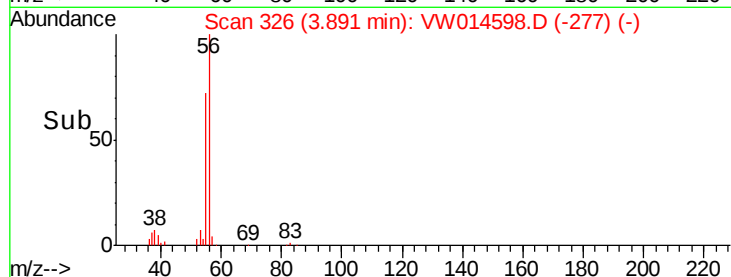
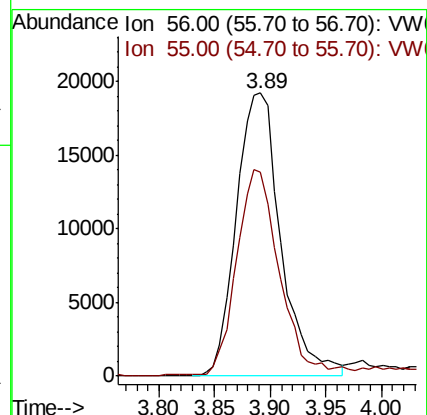
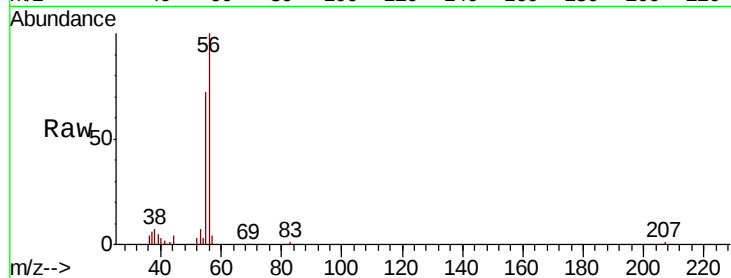
VW0110SBSD01

Tot Ion: 56 Resp: 53409

Ion Ratio Lower Upper

56 100

55 70.4 56.7 85.1



#14

Allyl chloride

Concen: 20.711 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

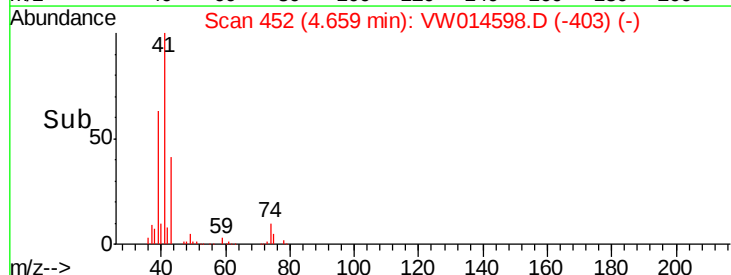
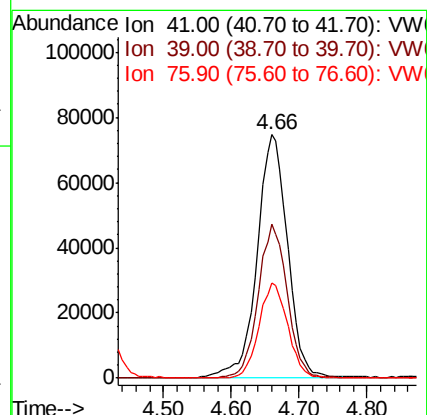
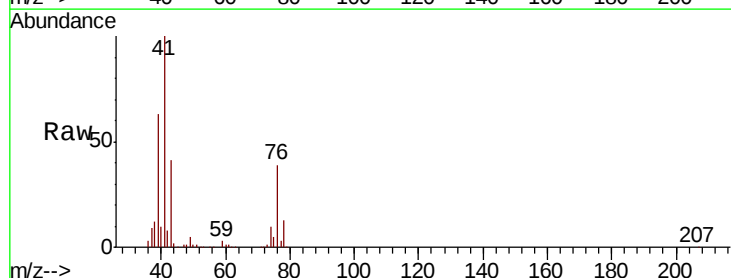
Tgt Ion: 41 Resp: 234091

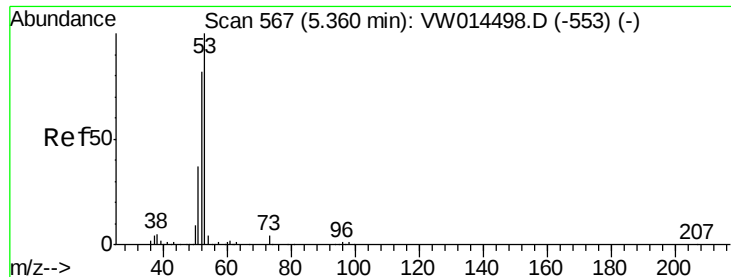
Ion Ratio Lower Upper

41 100

39 60.2 48.5 72.7

76 36.7 28.1 42.1





#15

Acrylonitrile

Concen: 104.809 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD01

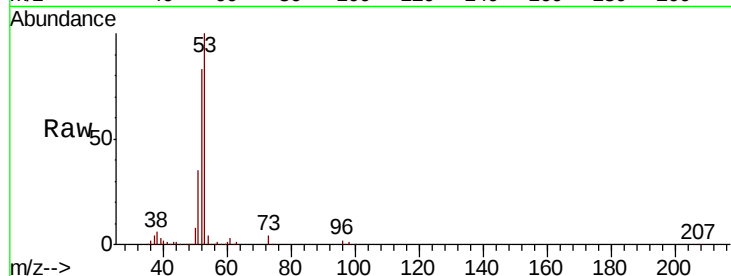
Tot Ion: 53 Resp: 180180

Ion Ratio Lower Upper

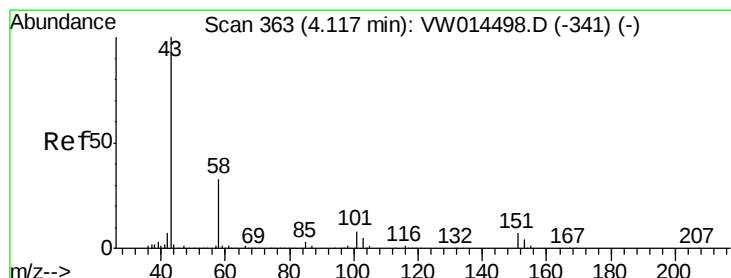
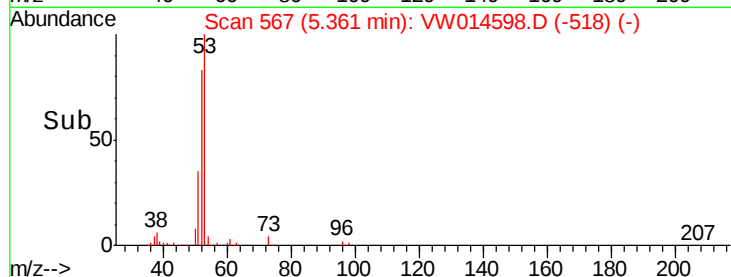
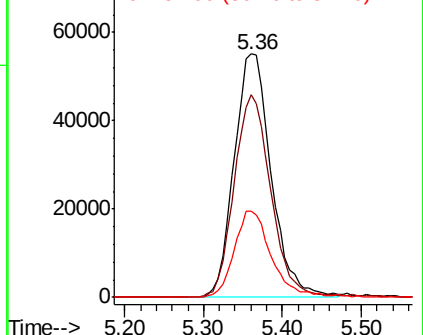
53 100

52 82.2 66.5 99.7

51 35.2 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 99.472 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014598.D

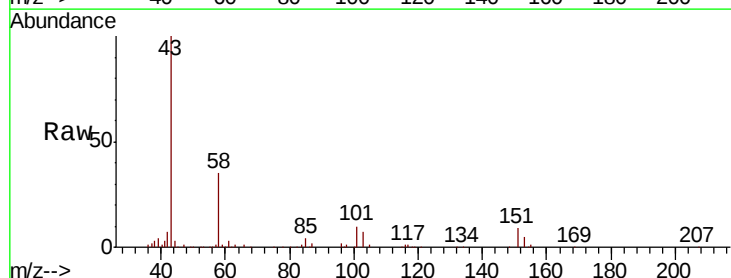
Acq: 10 Jan 2020 14:40

Tgt Ion: 43 Resp: 182517

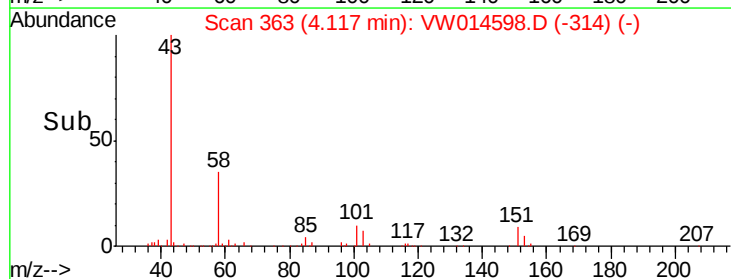
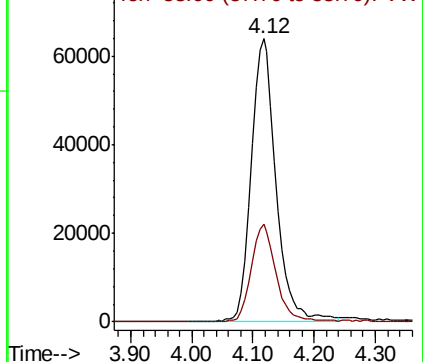
Ion Ratio Lower Upper

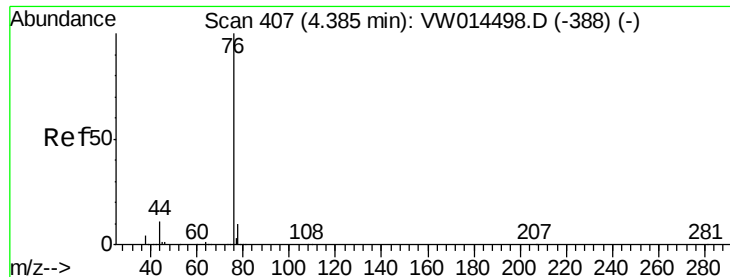
43 100

58 34.7 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 20.001 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

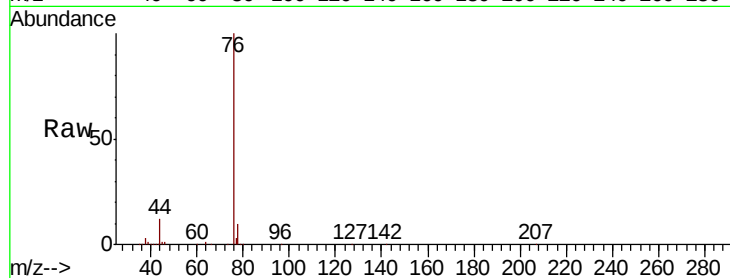
VW0110SBSD01

Tot Ion: 76 Resp: 445876

Ion Ratio Lower Upper

76 100

78 9.5 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

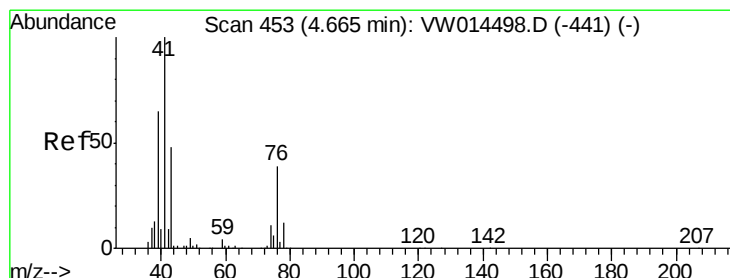
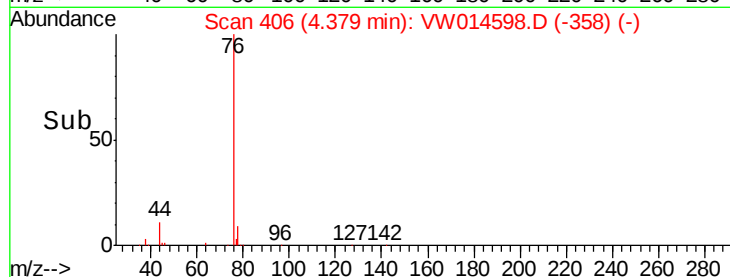
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 20.837 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW014598.D

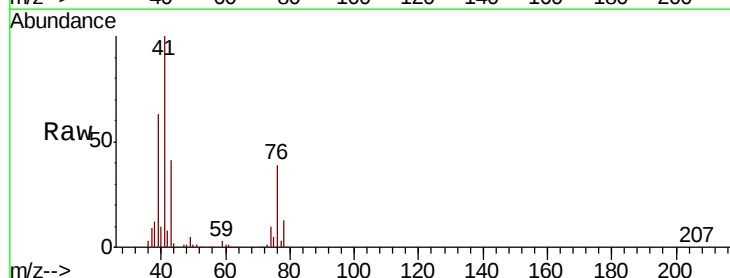
Acq: 10 Jan 2020 14:40

Tgt Ion: 43 Resp: 92339

Ion Ratio Lower Upper

43 100

74 25.3 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

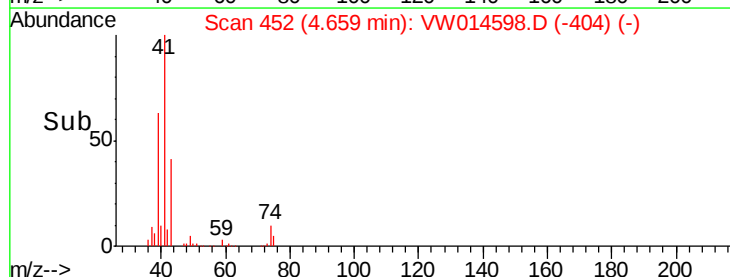
30000

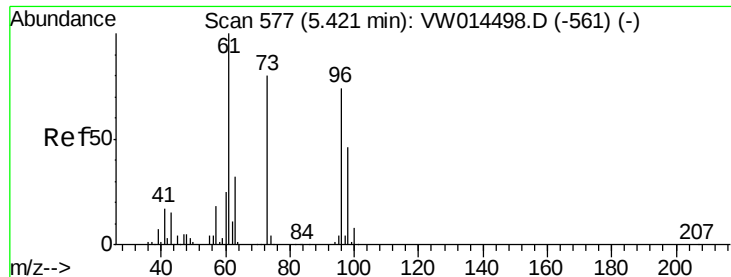
20000

10000

0

Time-->

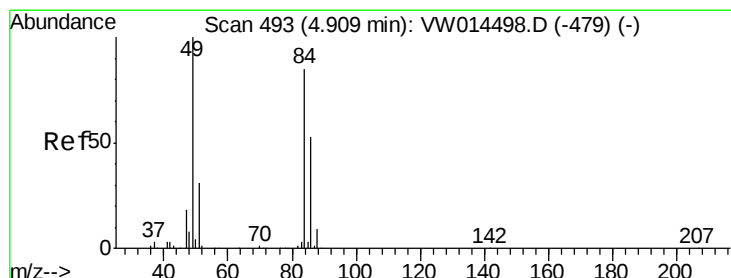
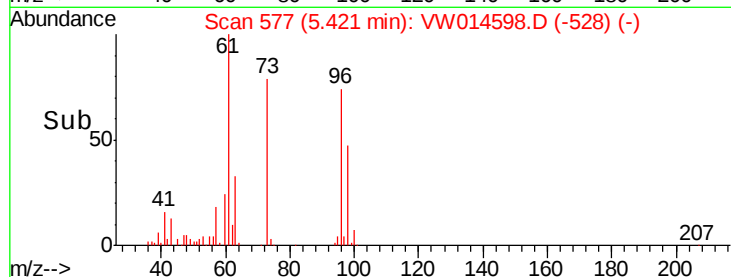
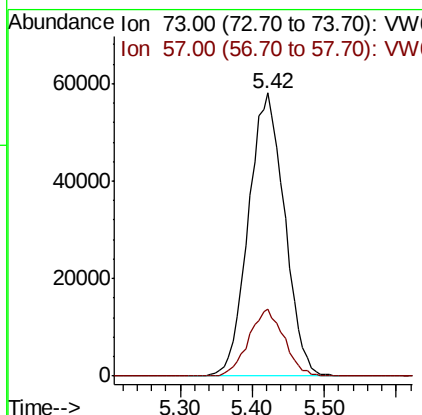
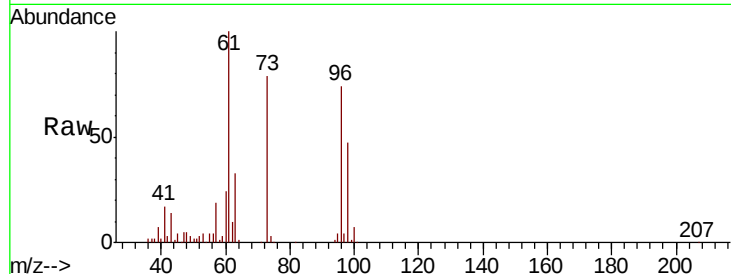




#19
Methyl tert-butyl Ether
Concen: 22.045 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

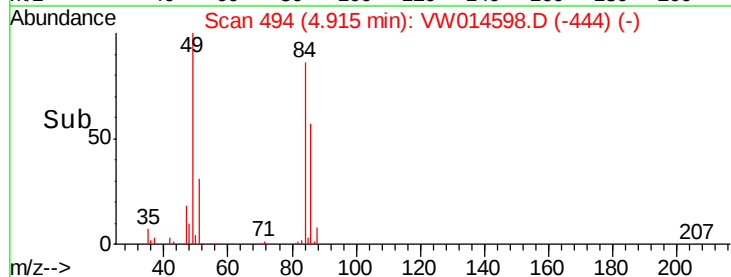
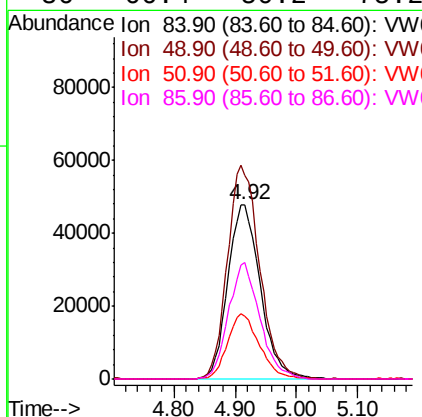
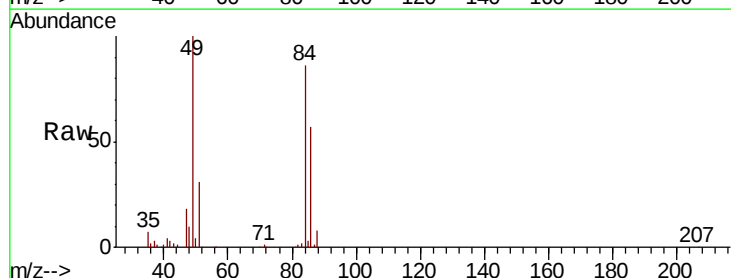
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

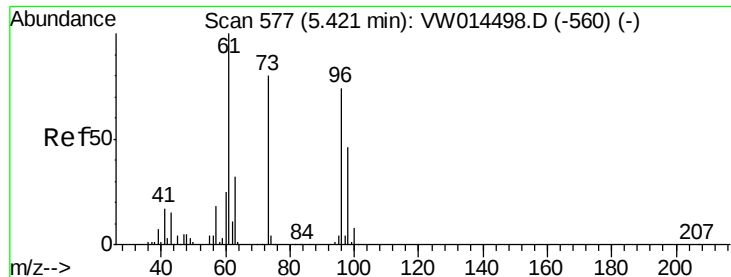
Tot Ion: 73 Resp: 202394
Ion Ratio Lower Upper
73 100
57 23.6 18.1 27.1



#20
Methylene Chloride
Concen: 20.964 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

Tgt Ion: 84 Resp: 175055
Ion Ratio Lower Upper
84 100
49 116.6 94.4 141.6
51 35.7 29.5 44.3
86 66.4 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 21.378 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD01

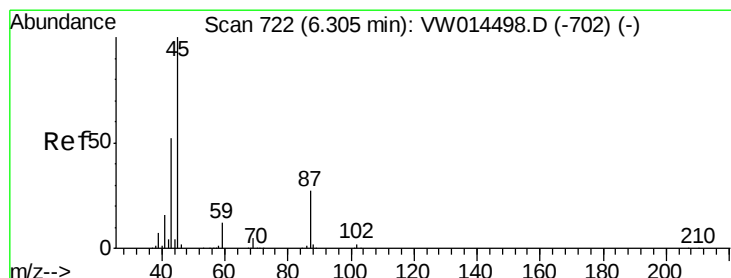
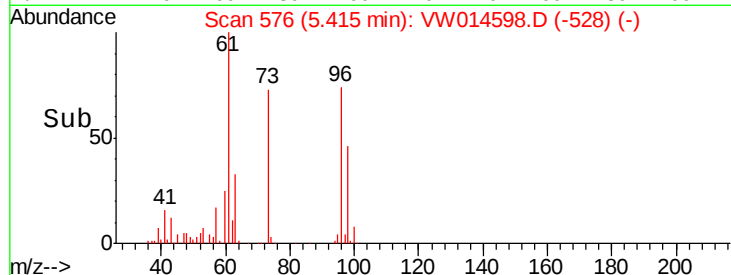
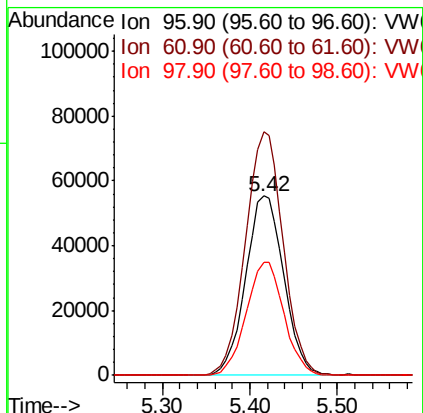
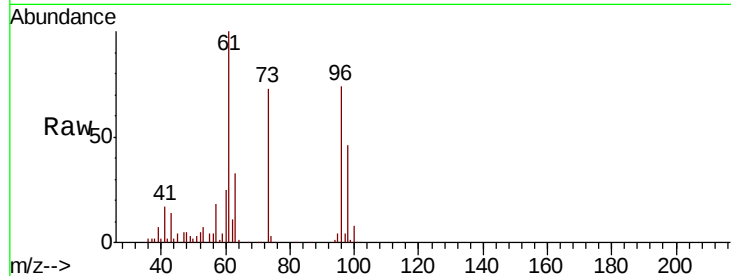
Tot Ion: 96 Resp: 167891

Ion Ratio Lower Upper

96 100

61 135.6 107.8 161.6

98 62.9 49.4 74.0



#22

Diisopropyl ether

Concen: 21.301 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Tgt Ion: 45 Resp: 450629

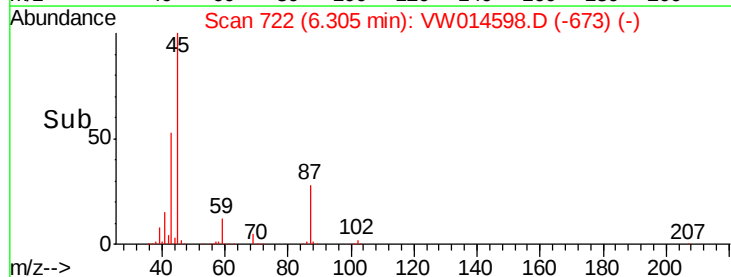
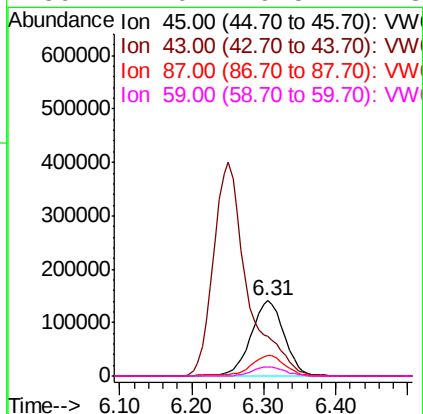
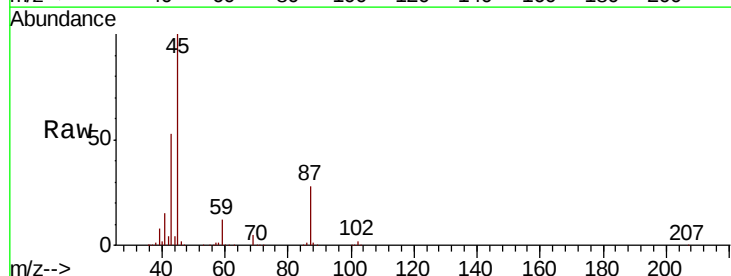
Ion Ratio Lower Upper

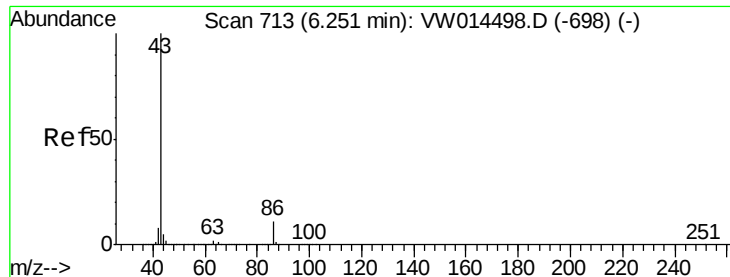
45 100

43 52.1 41.4 62.0

87 27.8 22.2 33.2

59 12.0 9.5 14.3





#23

Vinyl Acetate

Concen: 102.156 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_W

ClientSampleID :

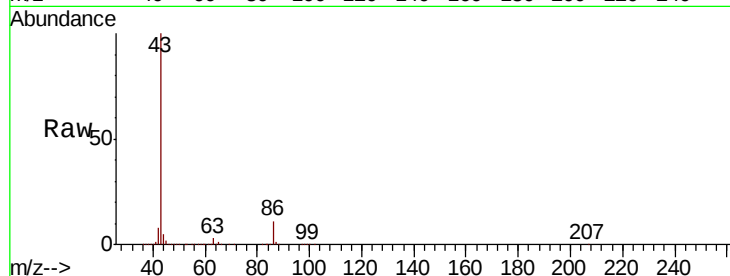
VW0110SBSD01

Tot Ion: 43 Resp: 1305031

Ion Ratio Lower Upper

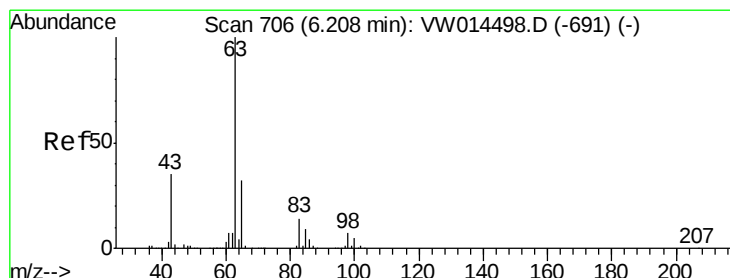
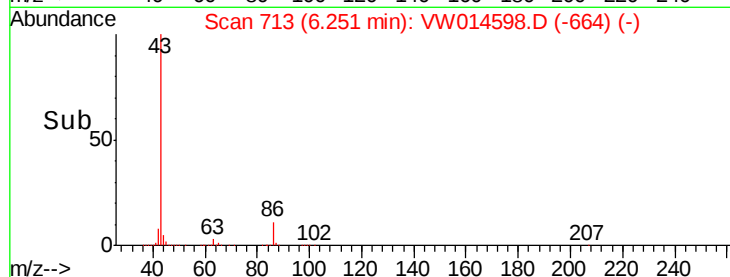
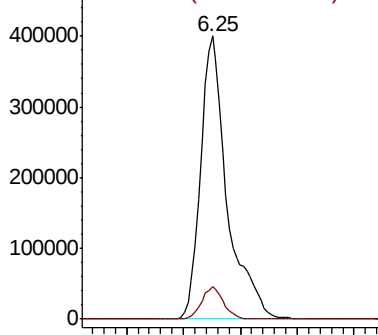
43 100

86 11.4 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: 21.052 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

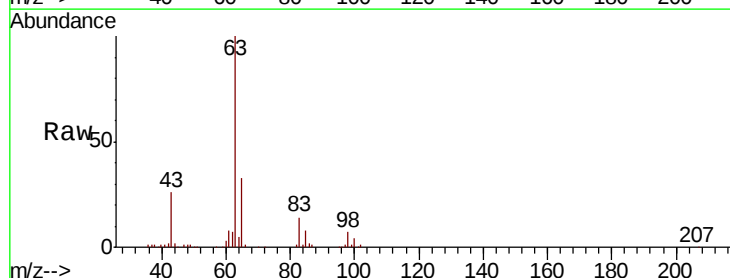
Tgt Ion: 63 Resp: 280935

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

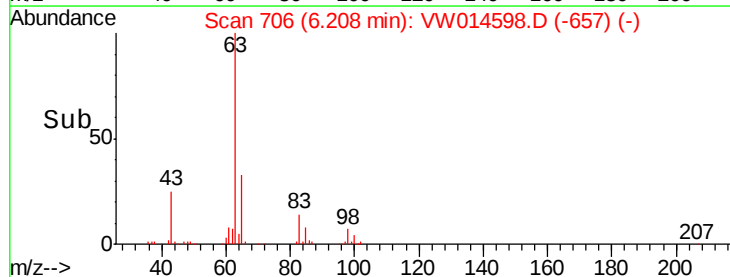
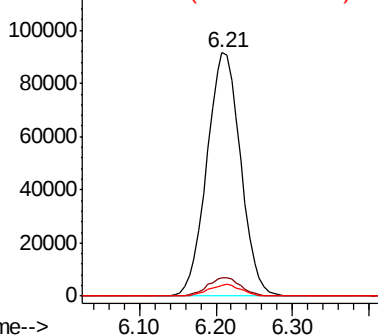
100 4.3 2.5 7.4

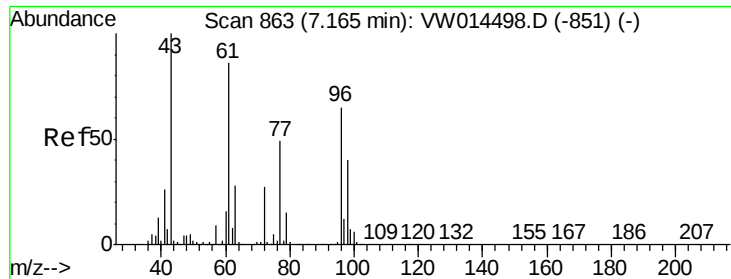


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

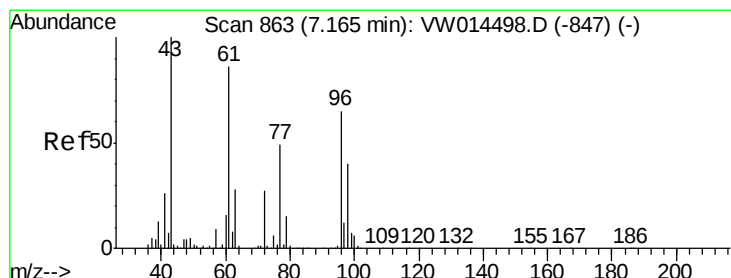
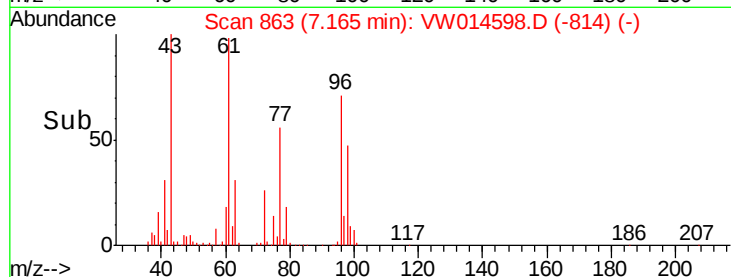
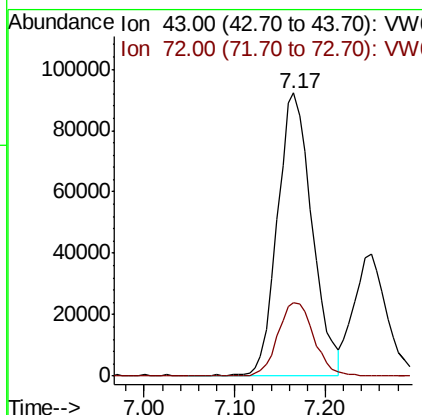
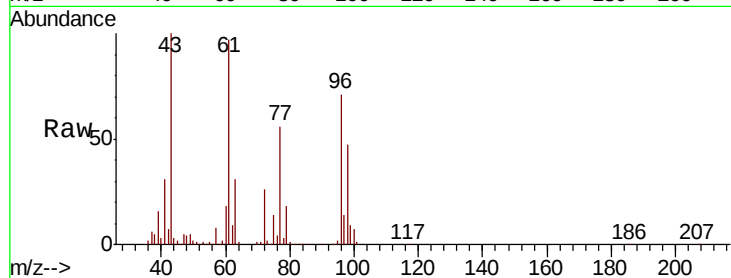




#25
2-Butanone
Concen: 103.826 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

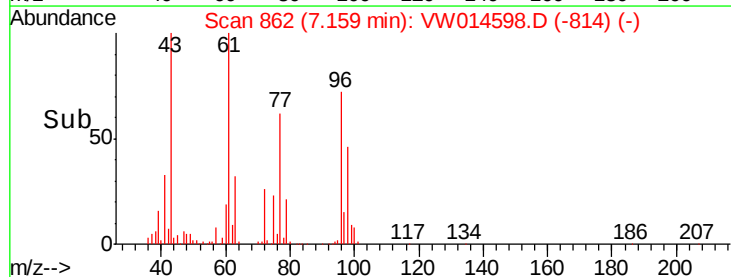
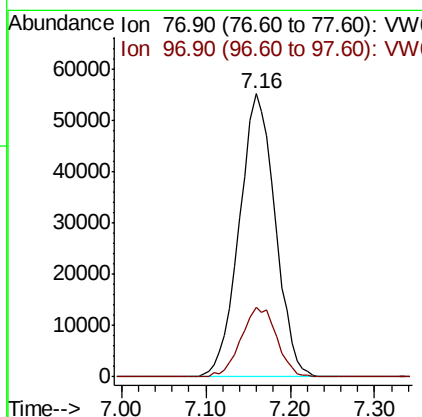
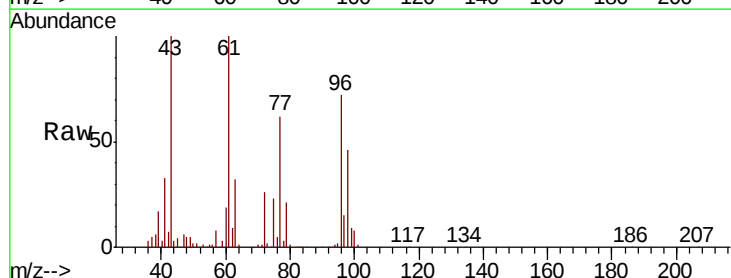
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

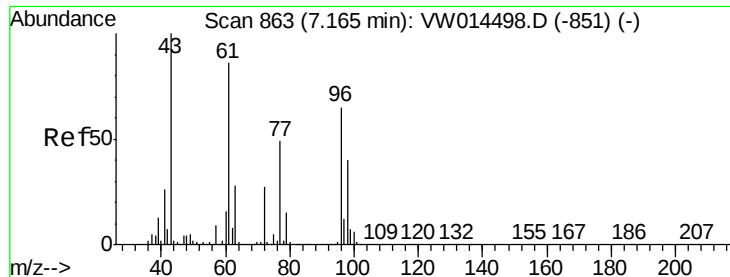
Tot Ion: 43 Resp: 244480
Ion Ratio Lower Upper
43 100
72 25.9 21.9 32.9



#26
2,2-Dichloropropane
Concen: 21.532 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

Tgt Ion: 77 Resp: 159086
Ion Ratio Lower Upper
77 100
97 24.4 12.5 37.5



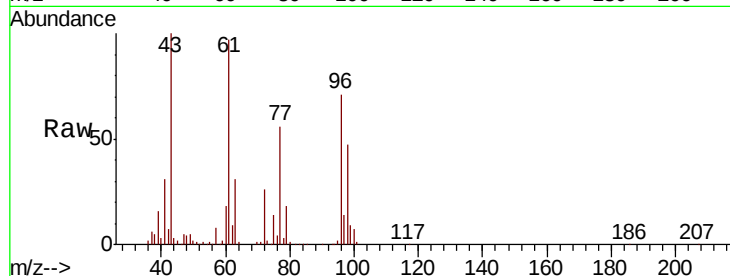


#27

cis-1,2-Dichloroethene
Concen: 20.758 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.5	0.0	274.8
98	65.6	0.0	128.6

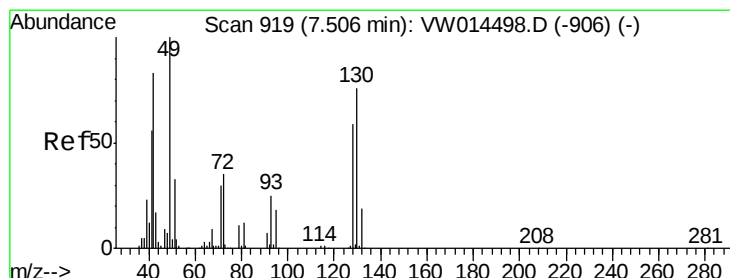
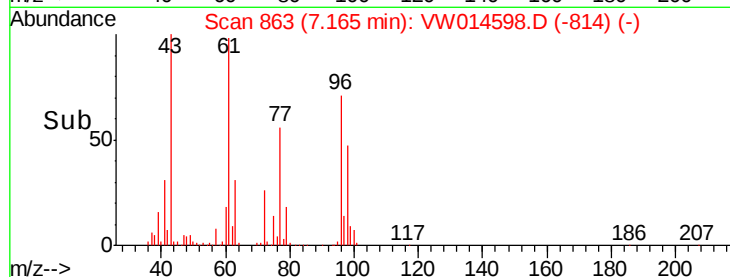
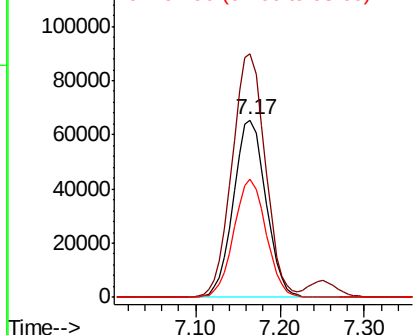


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

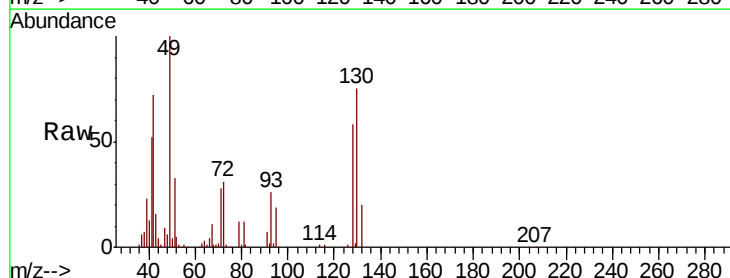
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
Concen: 18.604 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	2.0
130	76.7	62.5	93.7

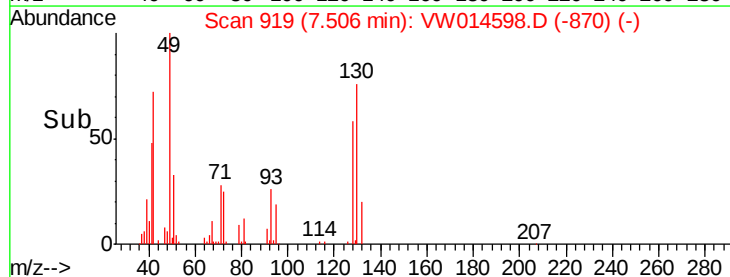
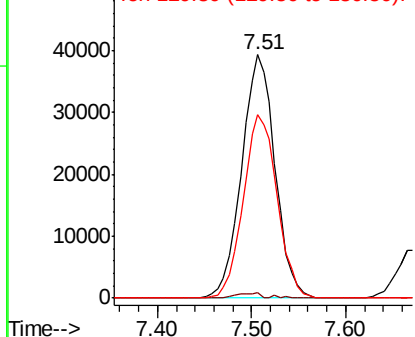


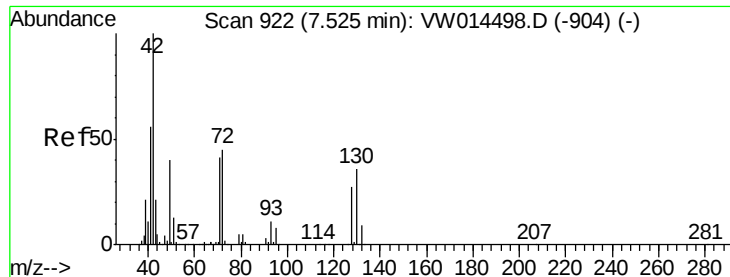
Abundance

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

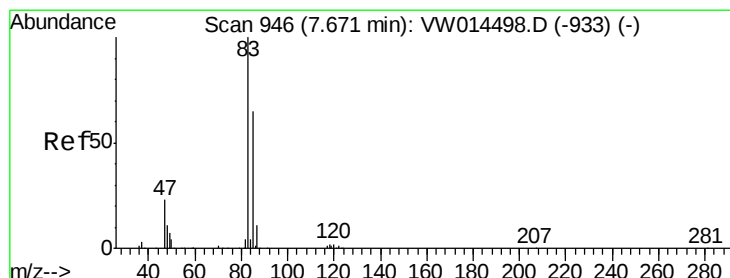
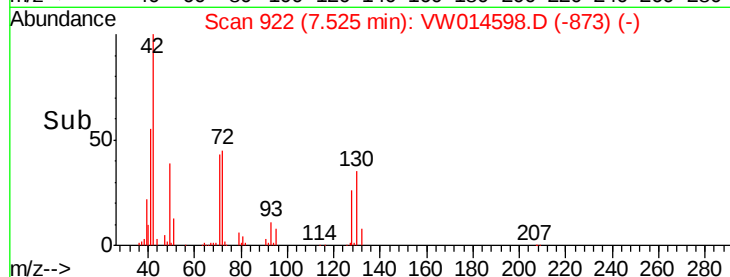
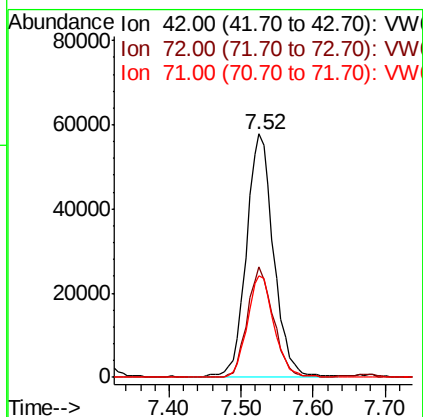
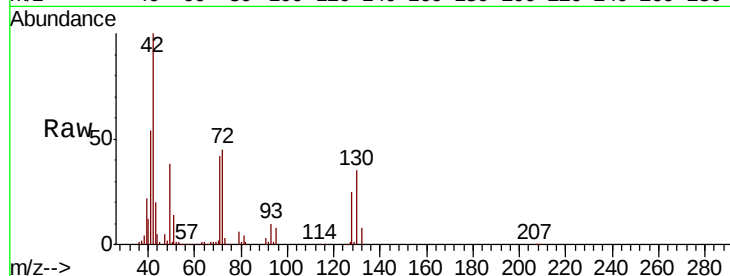




#29
Tetrahydrofuran
Concen: 104.107 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

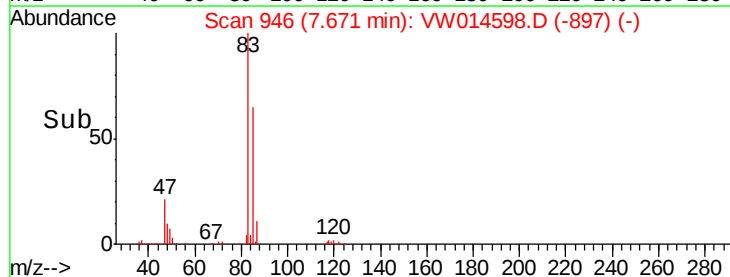
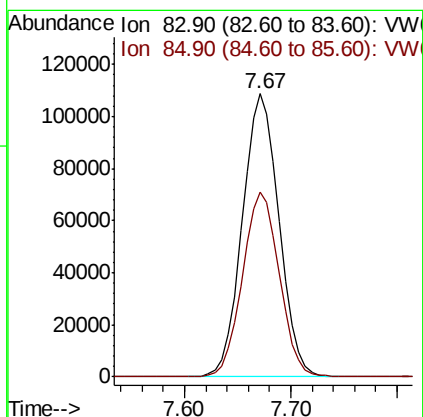
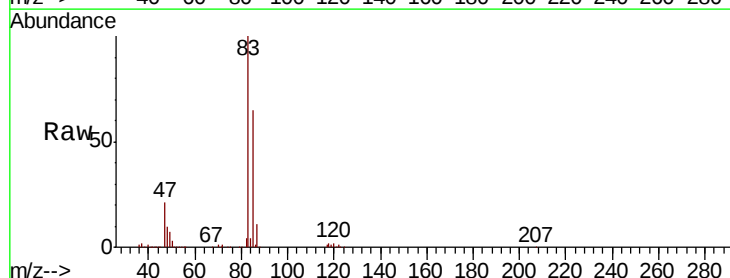
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

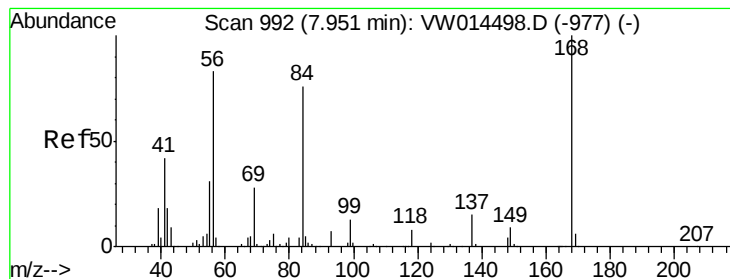
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.5	51.7
71	41.0	32.0	48.0



#30
Chloroform
Concen: 21.046 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.2	78.2





#31

Cyclohexane

Concen: 20.806 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD01

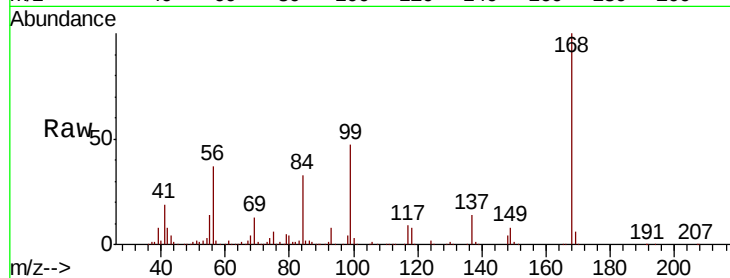
Tot Ion: 56 Resp: 288539

Ion Ratio Lower Upper

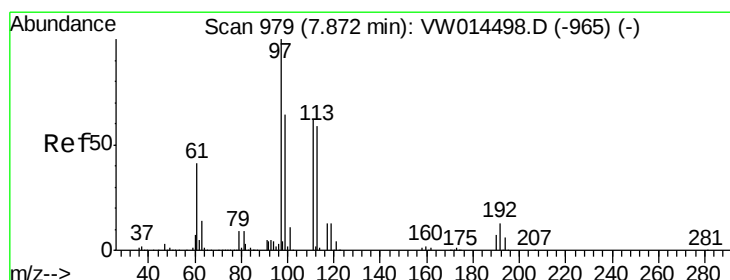
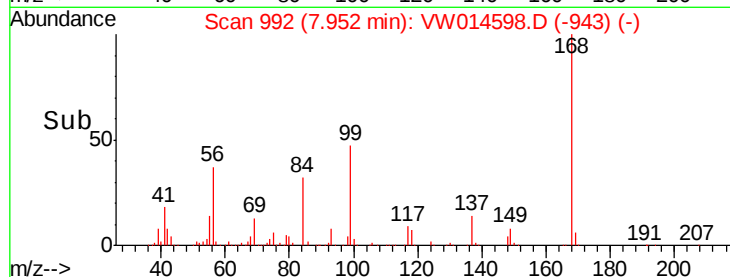
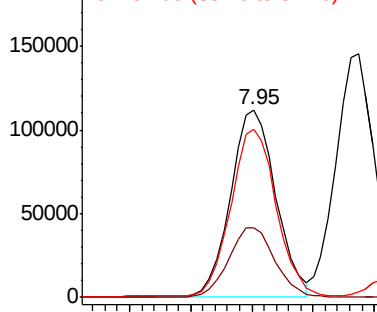
56 100

69 36.8 26.8 40.2

84 88.9 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: 21.330 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

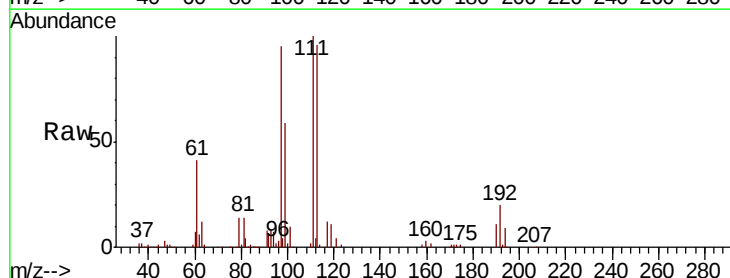
Tgt Ion: 97 Resp: 214077

Ion Ratio Lower Upper

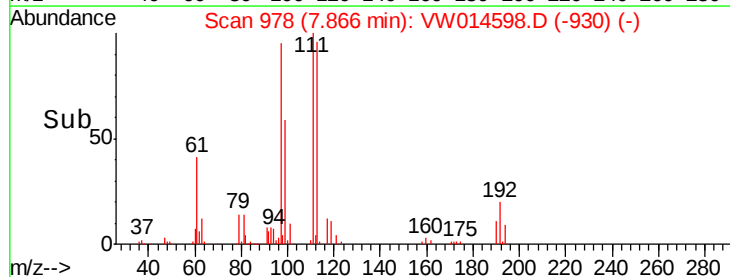
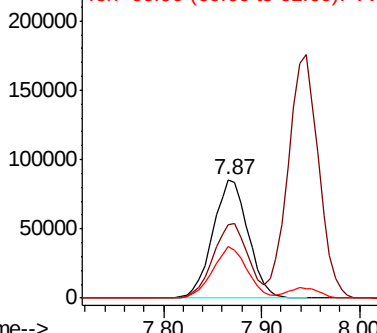
97 100

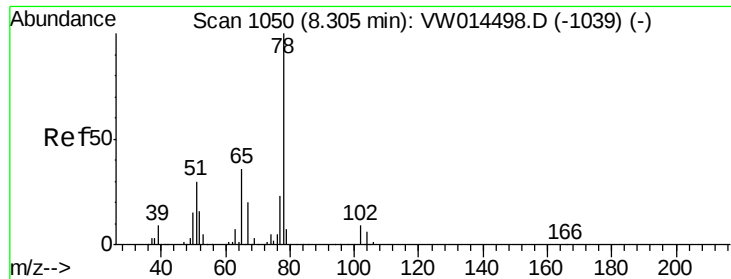
99 62.9 51.8 77.6

61 42.7 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

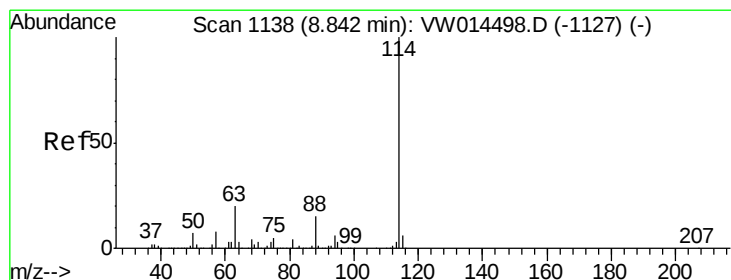
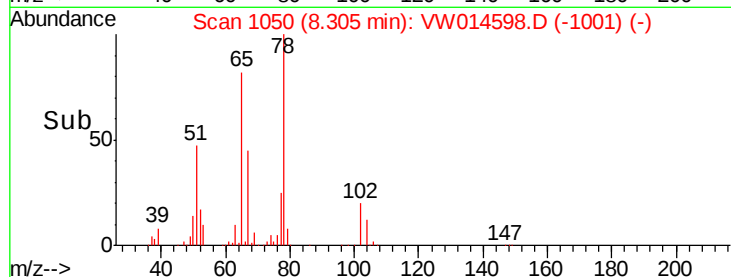
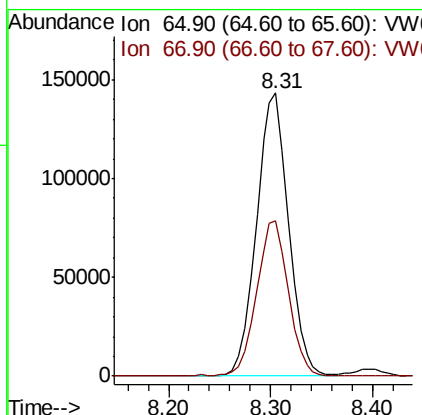
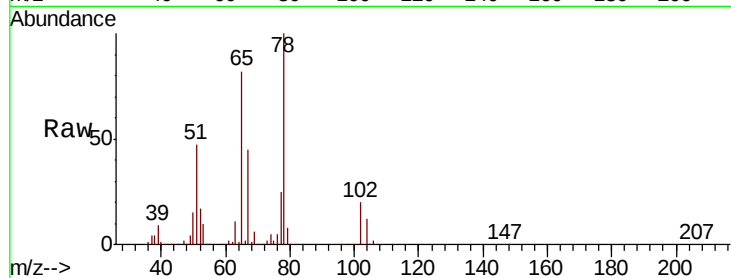




#33
 1,2-Dichloroethane-d4
 Concen: 48.037 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW014598.D
 Acq: 10 Jan 2020 14:40

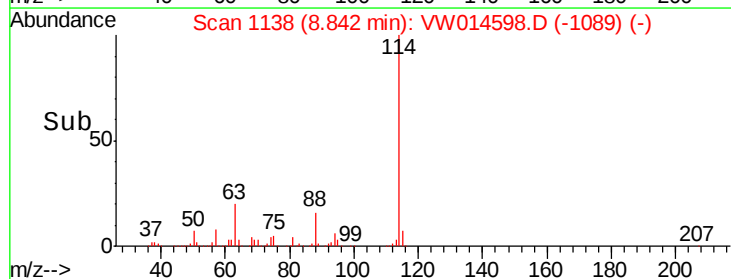
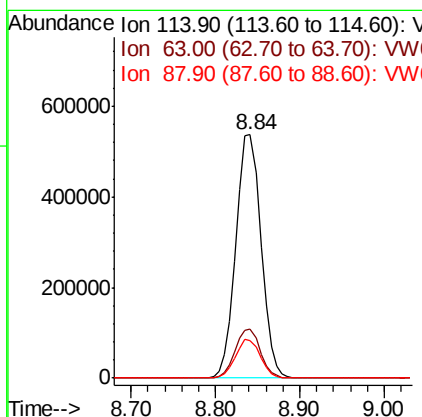
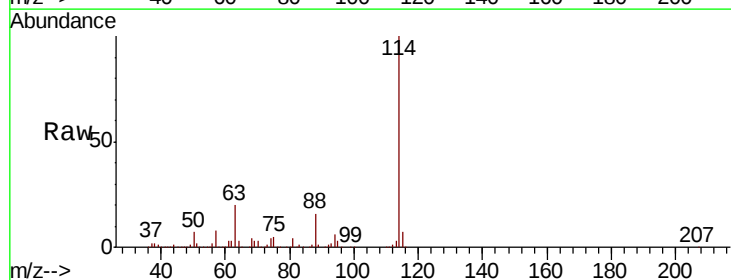
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD01

Tot Ion: 65 Resp: 312154
 Ion Ratio Lower Upper
 65 100
 67 54.7 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: VW014598.D
 Acq: 10 Jan 2020 14:40

Tgt Ion: 114 Resp: 1085079
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.4
 88 15.7 0.0 30.6

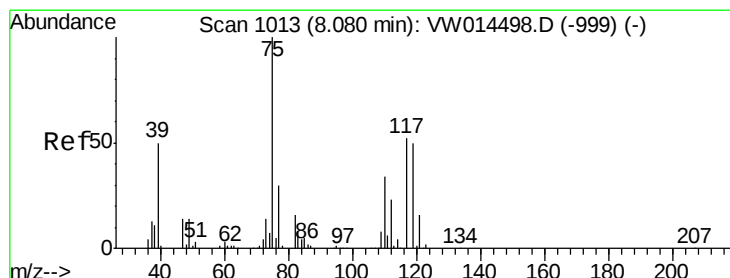
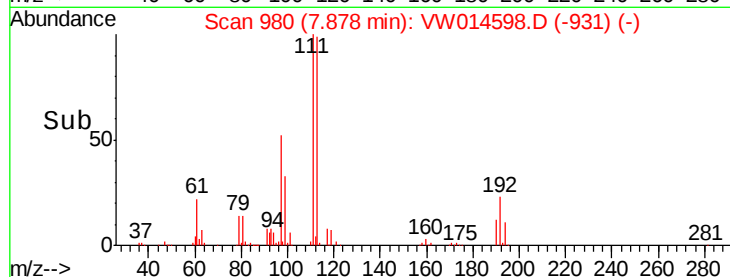
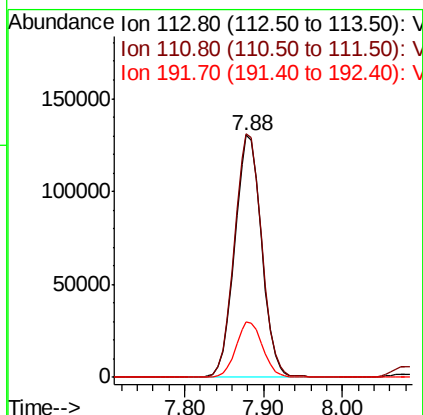
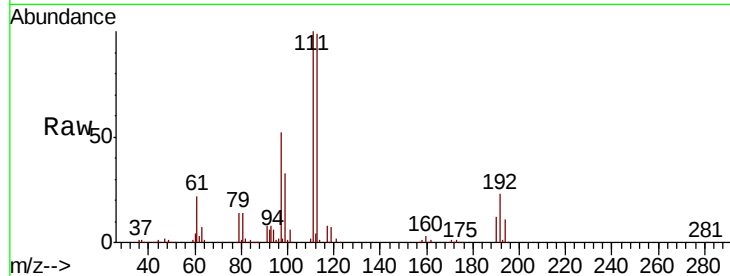




#35
 Dibromofluoromethane
 Concen: 49.726 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014598.D
 Acq: 10 Jan 2020 14:40

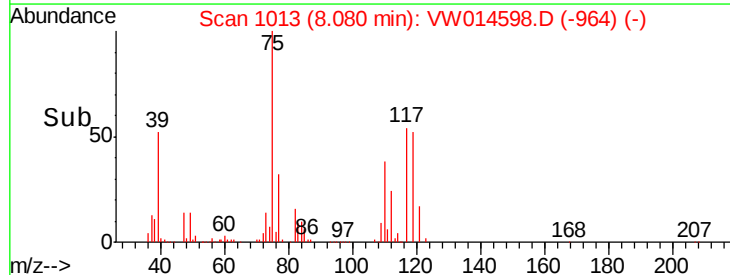
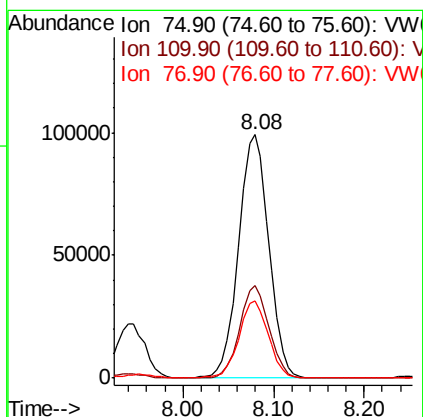
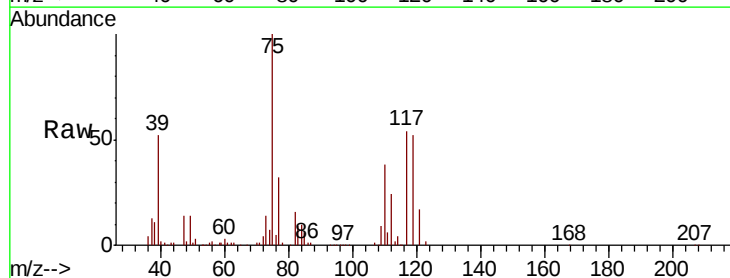
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD01

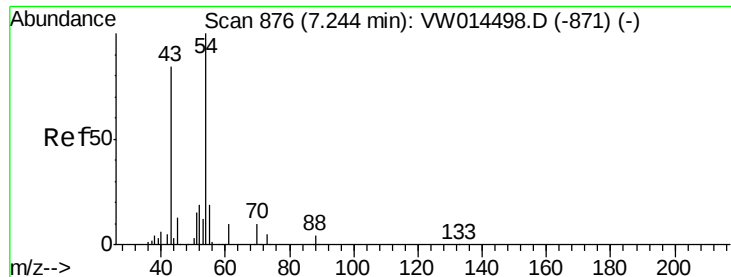
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.4	122.2
192	22.9	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 21.753 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW014598.D
 Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	17.8	53.5
77	31.2	24.7	37.1

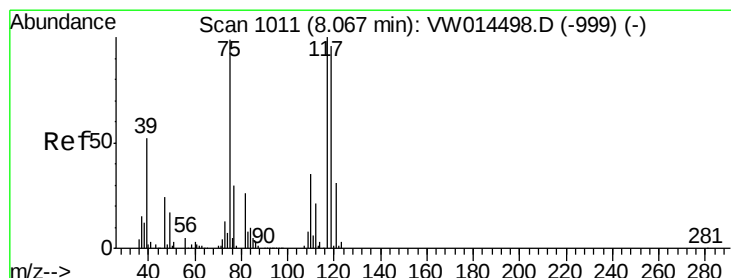
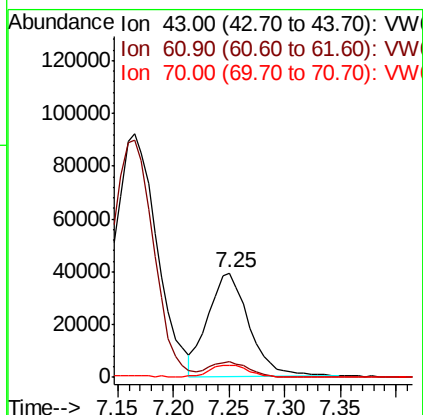
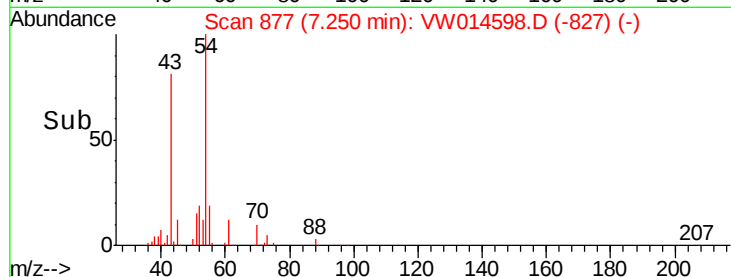
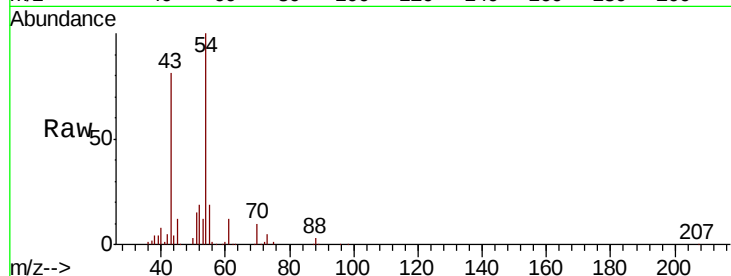




#37
Ethyl Acetate
Concen: 21.094 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

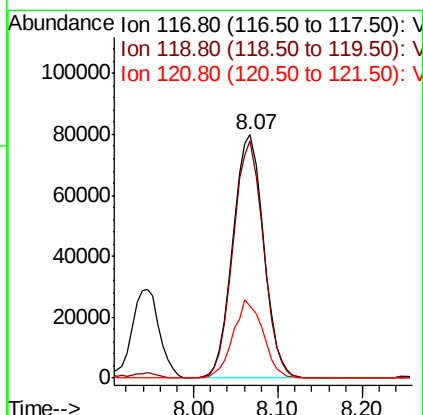
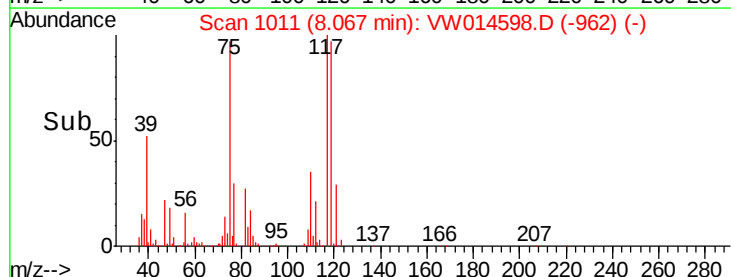
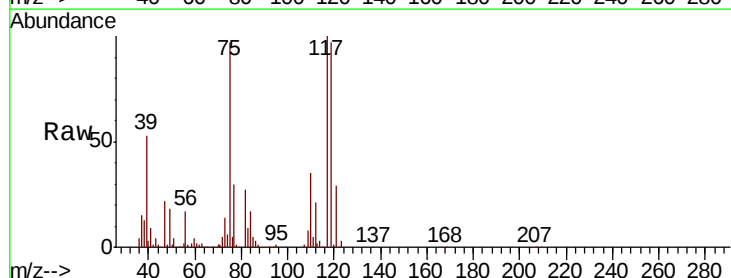
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

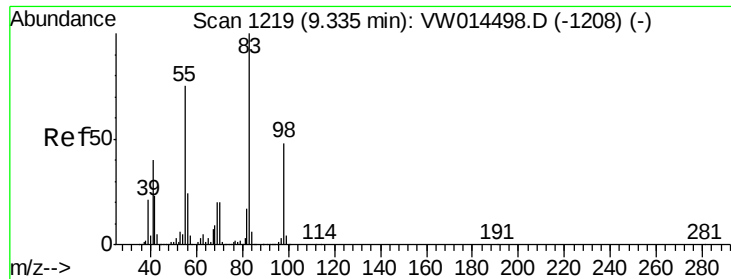
Tot Ion: 43 Resp: 100074
Ion Ratio Lower Upper
43 100
61 14.7 11.7 17.5
70 11.8 9.0 13.6



#38
Carbon Tetrachloride
Concen: 21.745 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

Tgt Ion: 117 Resp: 197338
Ion Ratio Lower Upper
117 100
119 97.4 77.0 115.6
121 29.4 24.6 36.8

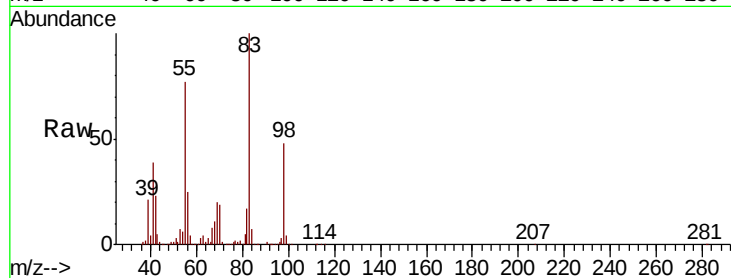




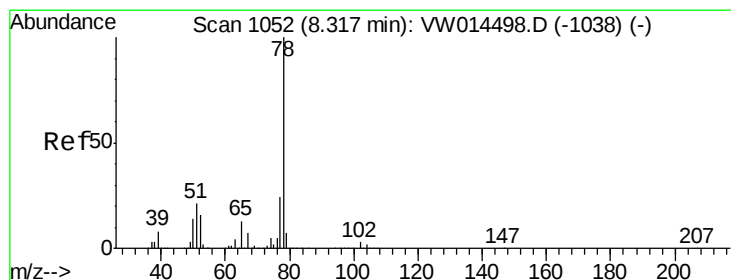
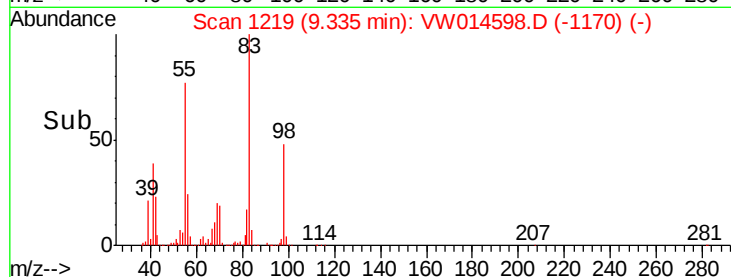
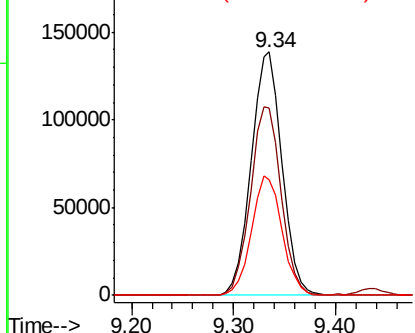
#39
Methvlcvclohexane
Concen: 21.692 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_W
ClientSampled :
VW0110SBSD01

Tot Ion: 83 Resp: 291205
Ion Ratio Lower Upper
83 100
55 76.8 60.1 90.1
98 47.6 38.8 58.2

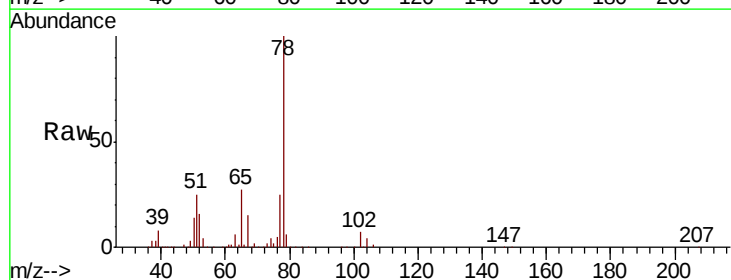


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

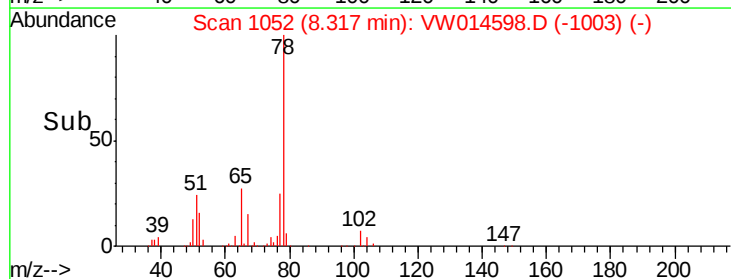
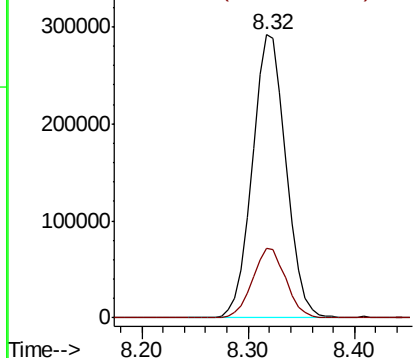


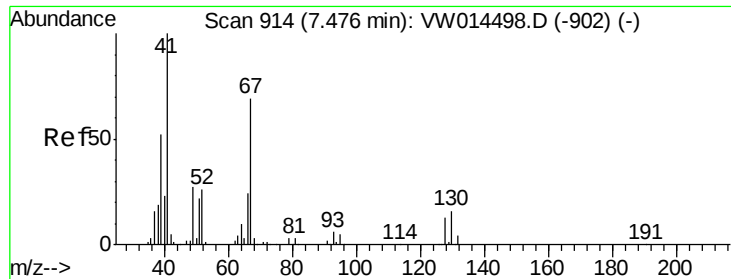
#40
Benzene
Concen: 21.850 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

Tgt Ion: 78 Resp: 646699
Ion Ratio Lower Upper
78 100
77 24.6 19.3 28.9



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

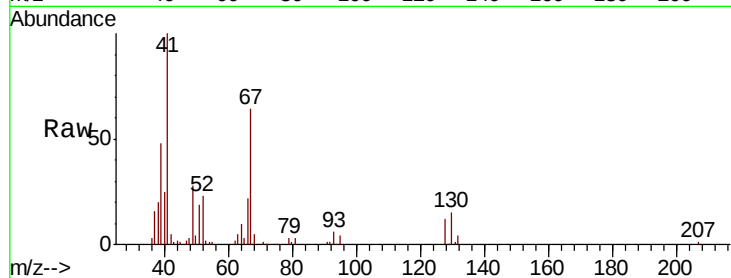




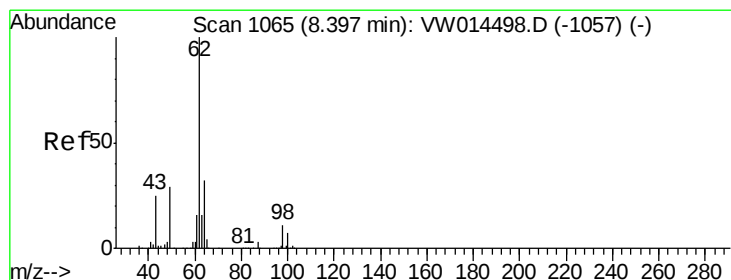
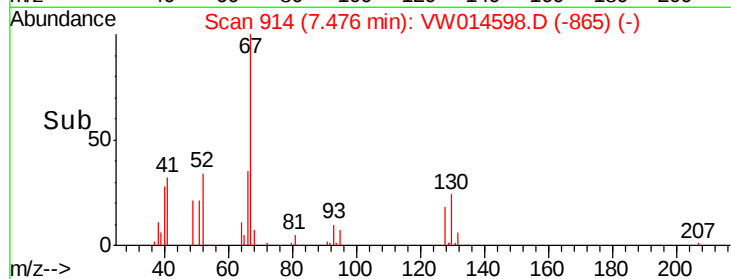
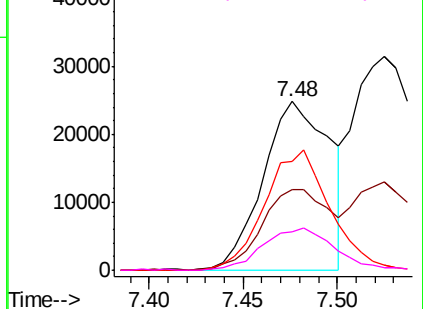
#41
Methacrylonitrile
Concen: 23.052 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

Tot Ion:	41	Resp:	60963
Ion	Ratio	Lower	Upper
41	100		
39	49.0	46.0	69.0
67	70.0	60.8	91.2
52	27.0	23.7	35.5

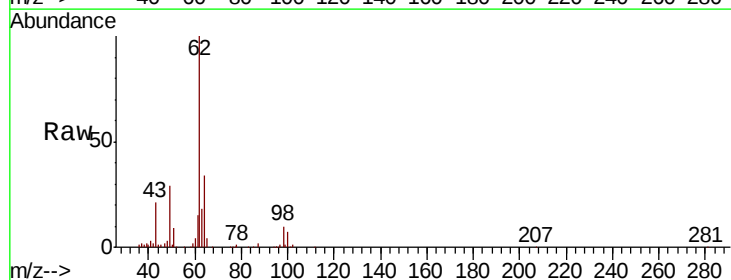


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

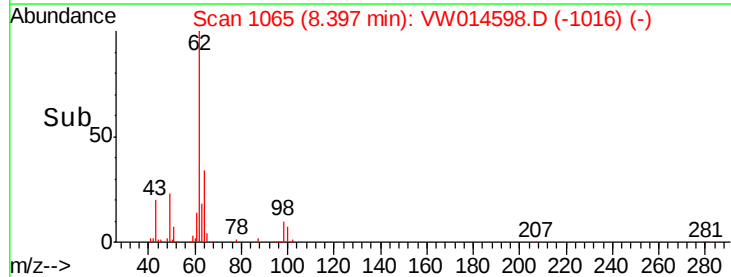
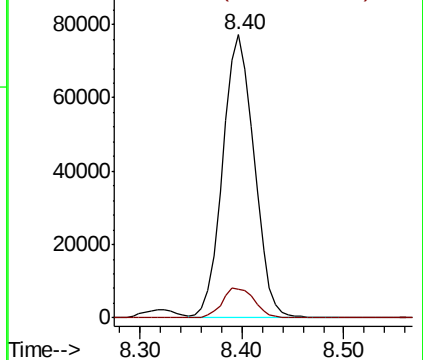


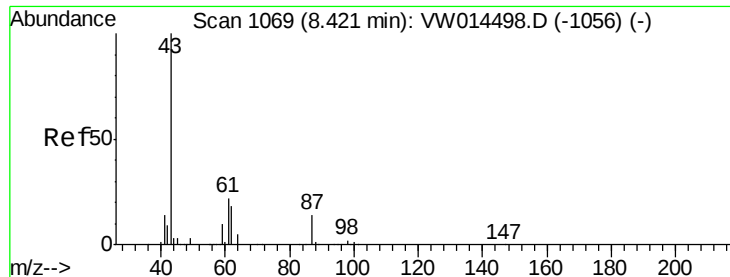
#42
1,2-Dichloroethane
Concen: 21.463 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

Tgt Ion:	62	Resp:	164852
Ion	Ratio	Lower	Upper
62	100		
98	10.9	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: 21.399 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD01

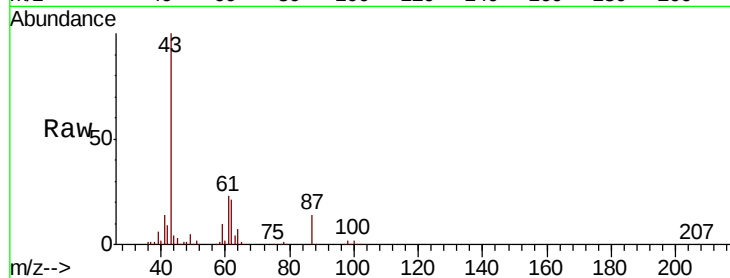
Tot Ion: 43 Resp: 184357

Ion Ratio Lower Upper

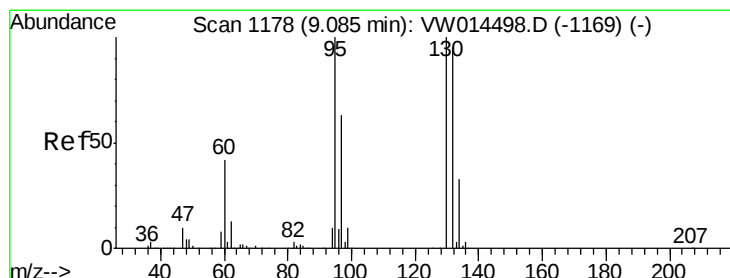
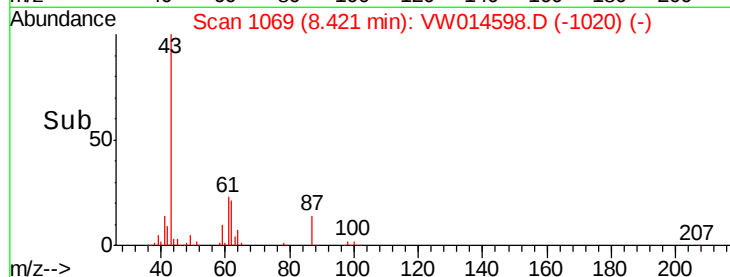
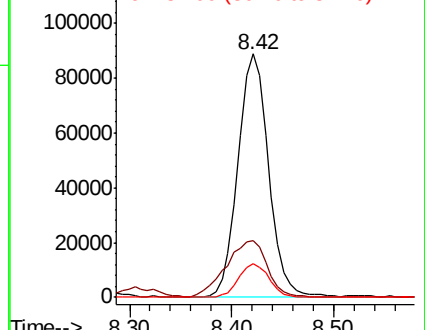
43 100

61 31.6 24.7 37.1

87 13.9 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: 21.810 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014598.D

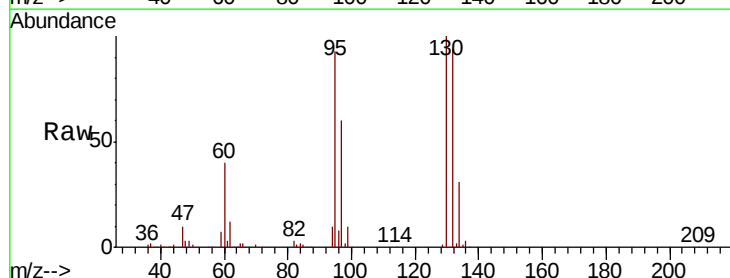
Acq: 10 Jan 2020 14:40

Tgt Ion: 130 Resp: 174673

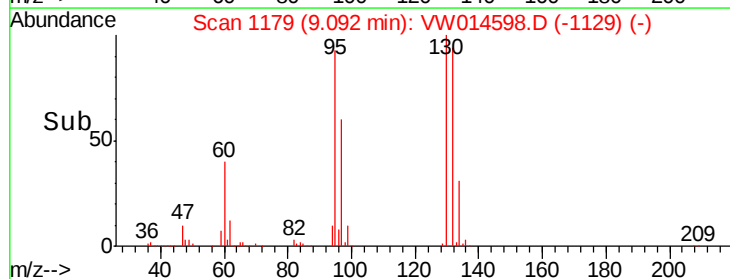
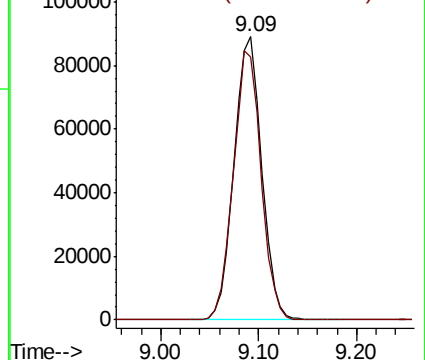
Ion Ratio Lower Upper

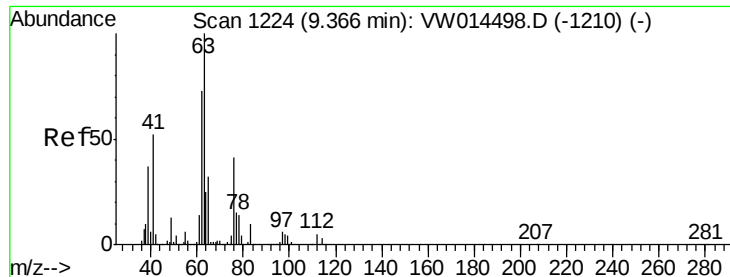
130 100

95 92.8 0.0 199.4



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

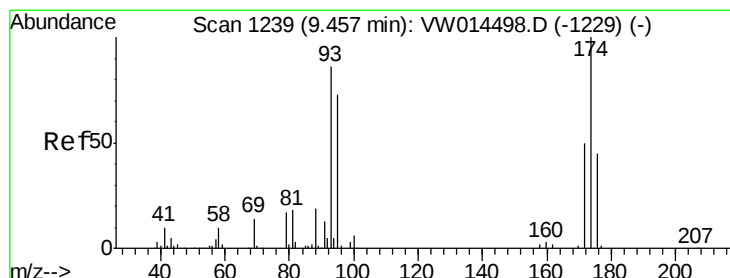
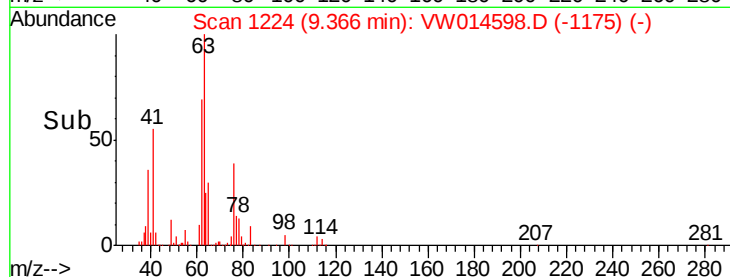
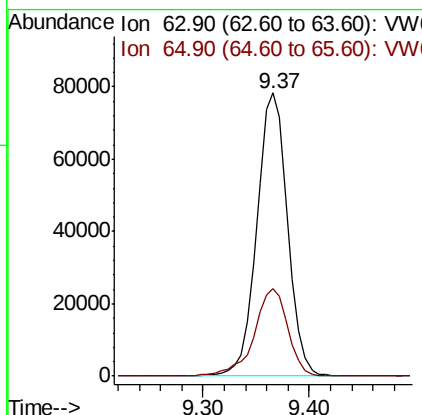
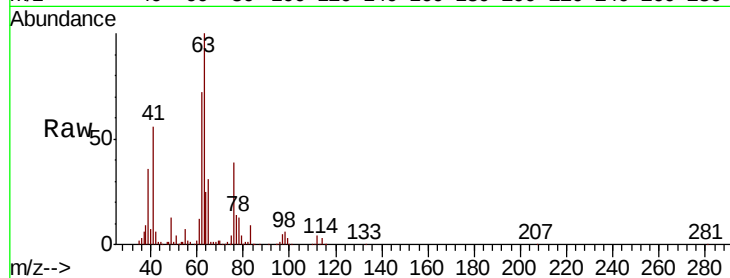




#45
 1,2-Dichloropropane
 Concen: 21.716 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014598.D
 Acq: 10 Jan 2020 14:40

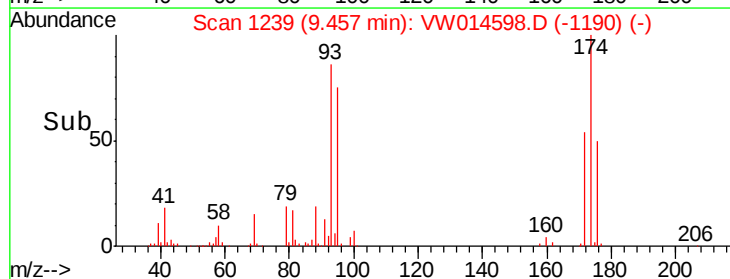
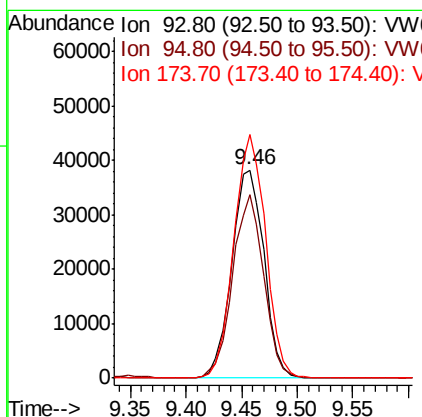
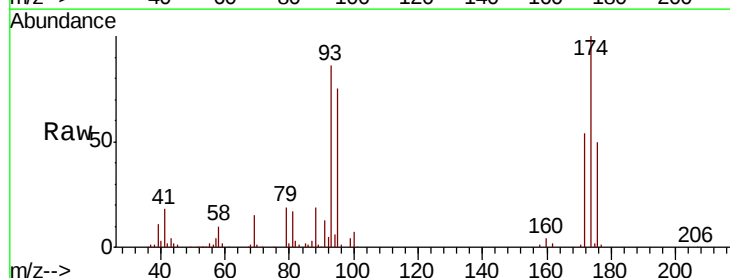
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD01

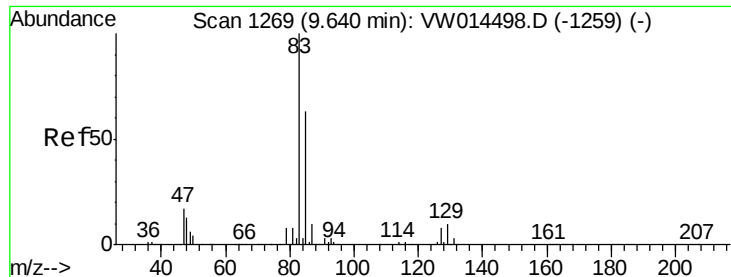
Tot Ion: 63 Resp: 157722
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.6 38.4



#46
 Dibromomethane
 Concen: 21.371 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW014598.D
 Acq: 10 Jan 2020 14:40

Tgt Ion: 93 Resp: 76623
 Ion Ratio Lower Upper
 93 100
 95 85.6 66.4 99.6
 174 115.6 89.1 133.7





#47

Bromodichloromethane

Concen: 21.368 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_W

ClientSampled :

VW0110SBSD01

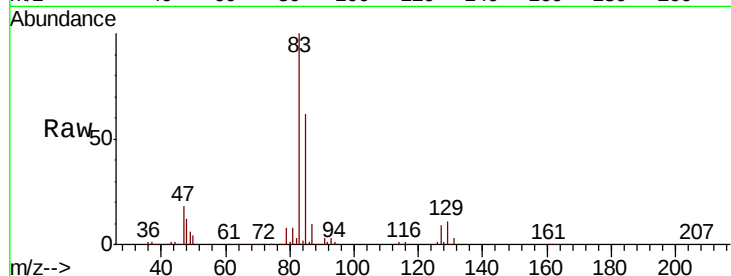
Tot Ion: 83 Resp: 189147

Ion Ratio Lower Upper

83 100

85 61.7 50.6 76.0

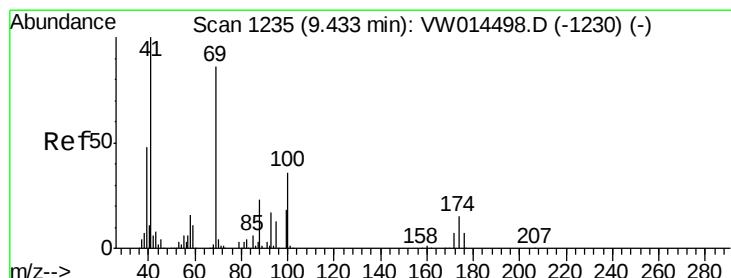
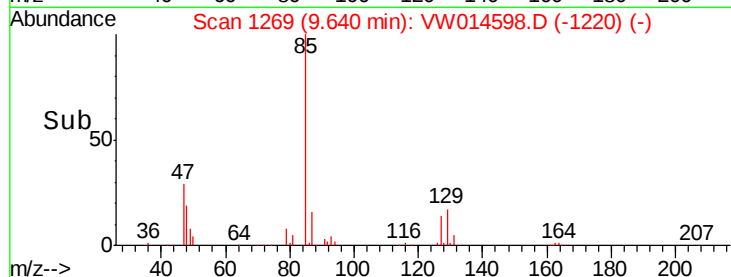
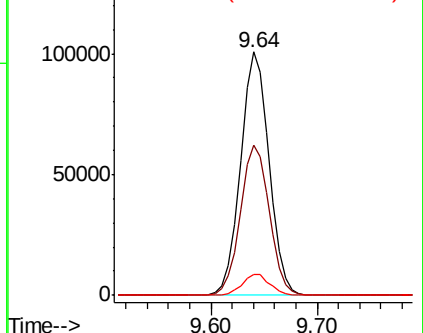
127 8.6 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 21.206 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

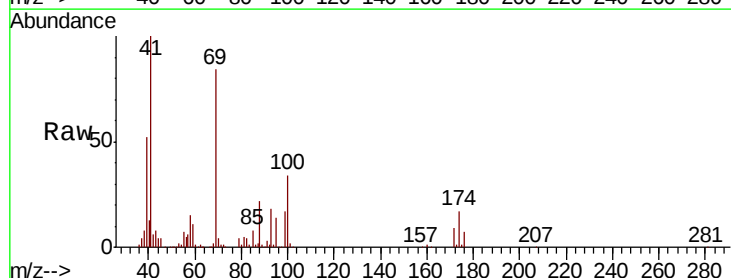
Tgt Ion: 41 Resp: 89195

Ion Ratio Lower Upper

41 100

69 86.5 68.3 102.5

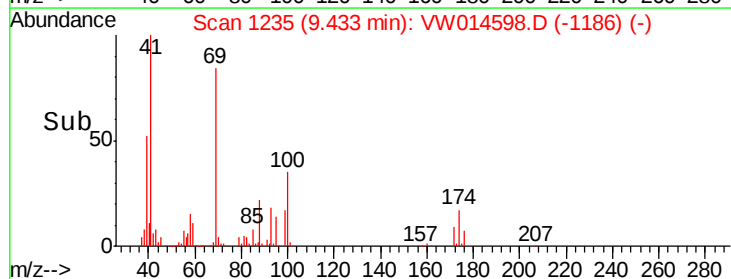
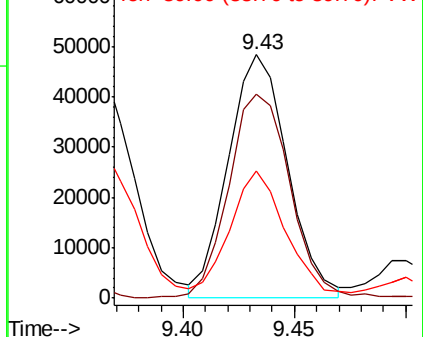
39 45.3 36.8 55.2

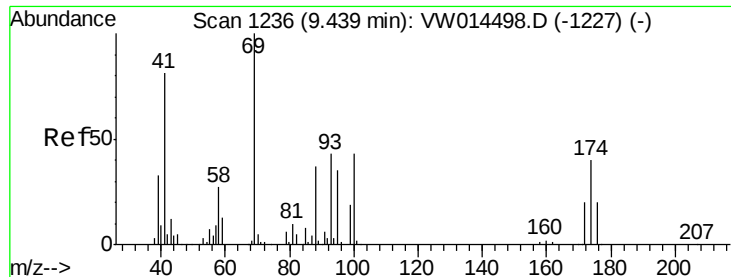


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

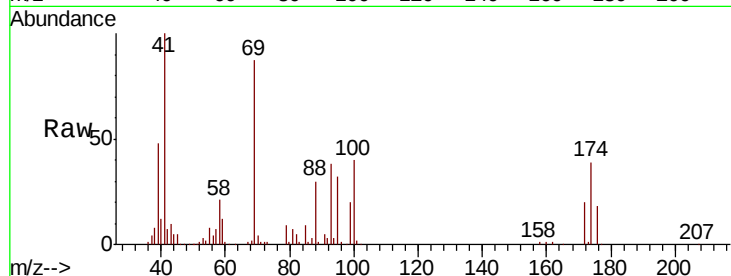




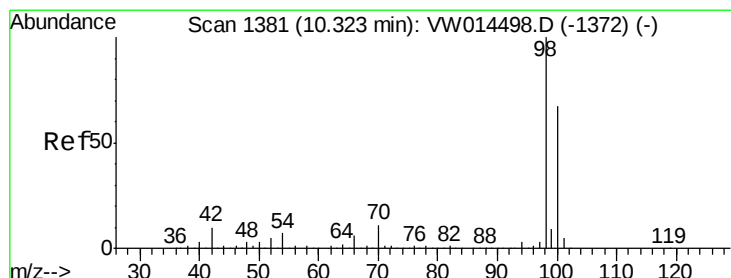
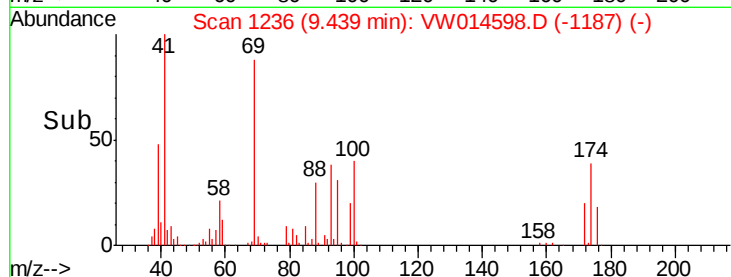
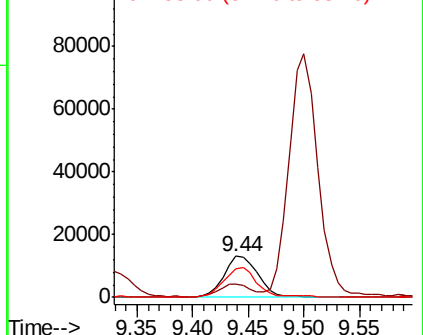
#49
1,4-Dioxane
Concen: 415.585 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

Tot Ion: 88 Resp: 27869
Ion Ratio Lower Upper
88 100
43 26.8 24.9 37.3
58 68.8 56.9 85.3

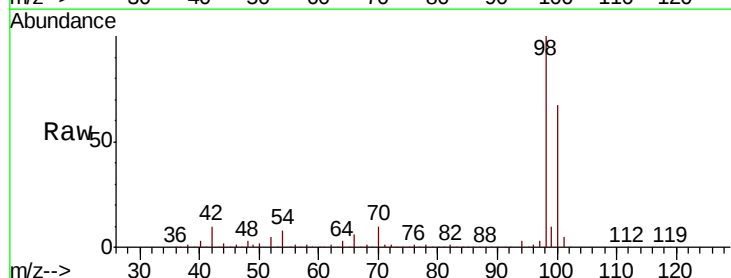


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

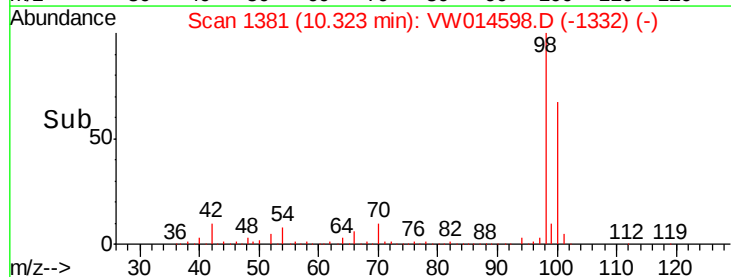
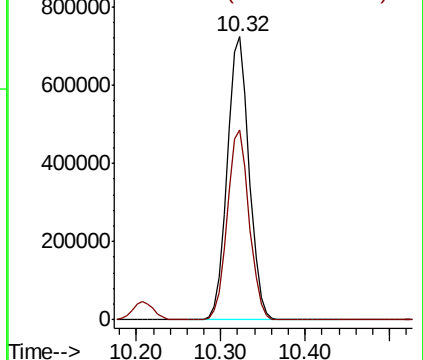


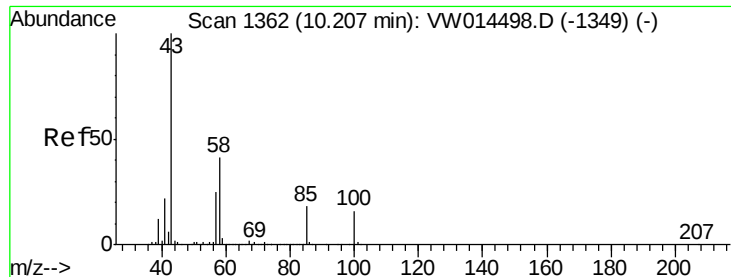
#50
Toluene-d8
Concen: 49.438 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

Tgt Ion: 98 Resp: 1279449
Ion Ratio Lower Upper
98 100
100 67.1 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

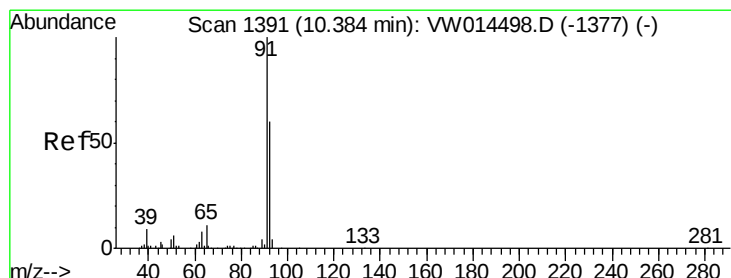
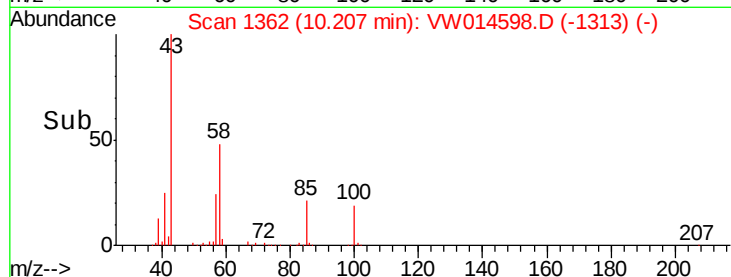
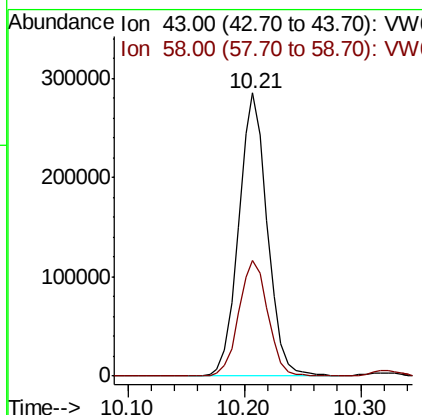
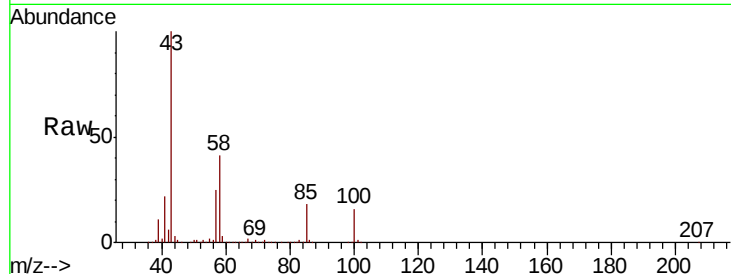




#51
4-Methyl-2-Pentanone
Concen: 108.610 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

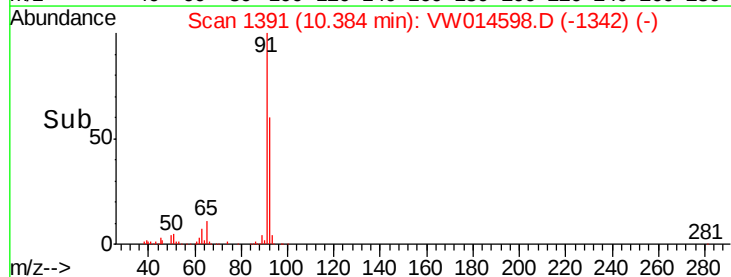
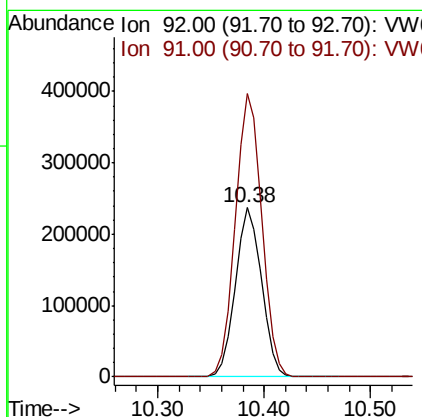
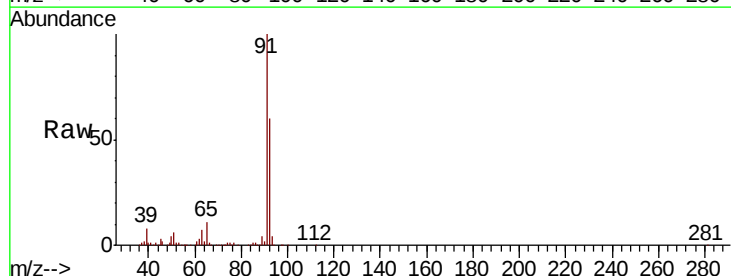
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

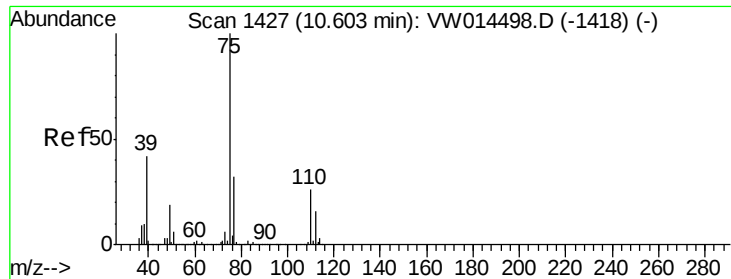
Tot Ion: 43 Resp: 485901
Ion Ratio Lower Upper
43 100
58 41.7 32.7 49.1



#52
Toluene
Concen: 21.943 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

Tgt Ion: 92 Resp: 408568
Ion Ratio Lower Upper
92 100
91 170.4 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 21.196 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

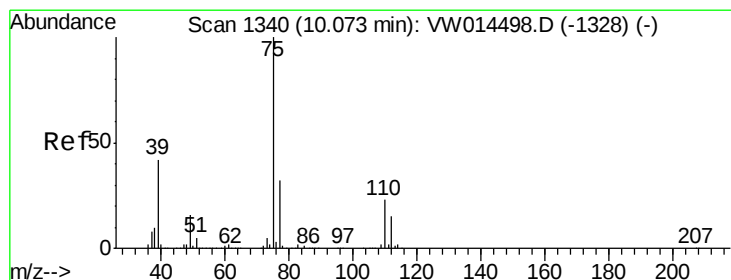
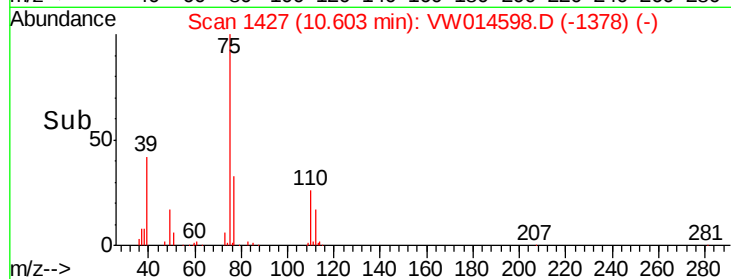
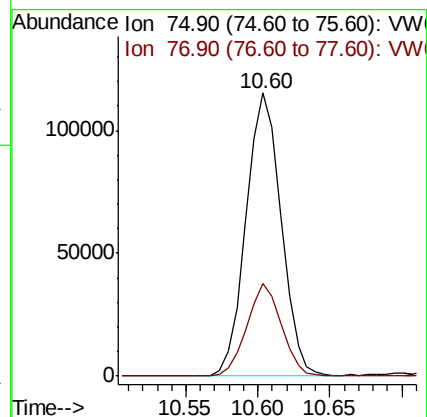
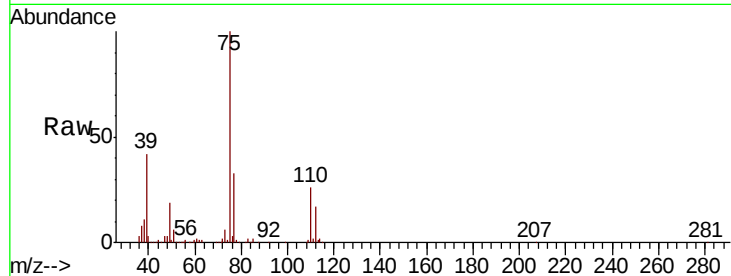
VW0110SBSD01

Tot Ion: 75 Resp: 194262

Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 21.388 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

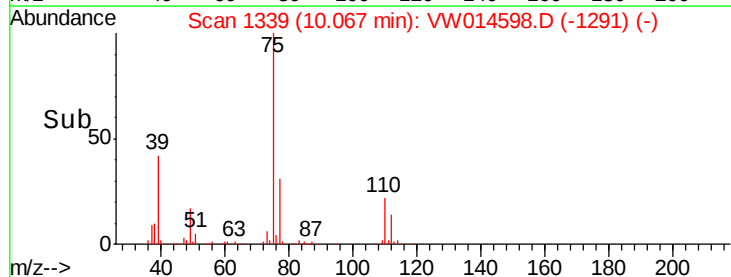
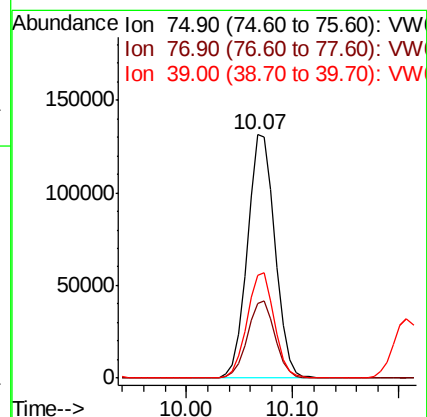
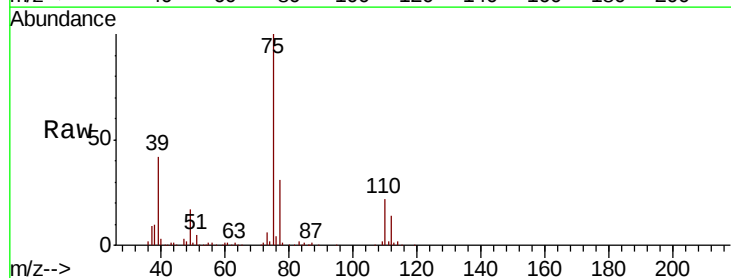
Tgt Ion: 75 Resp: 239582

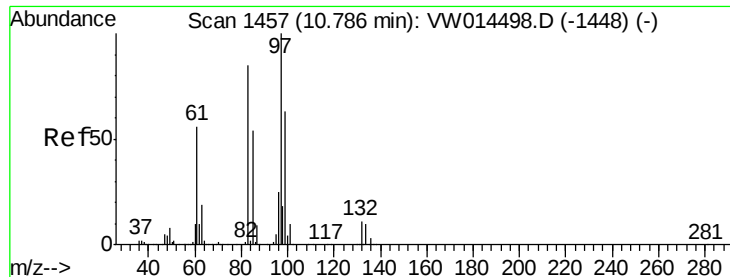
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 42.2 33.4 50.2

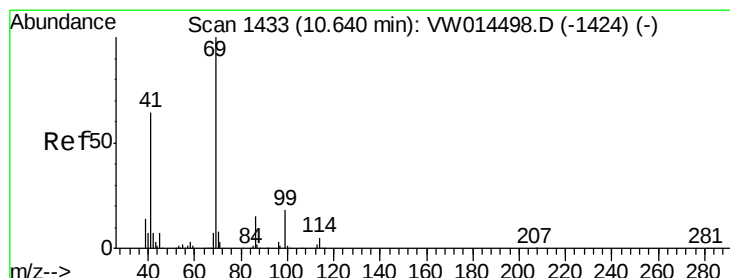
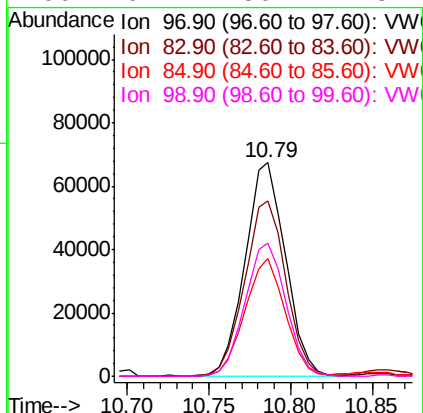
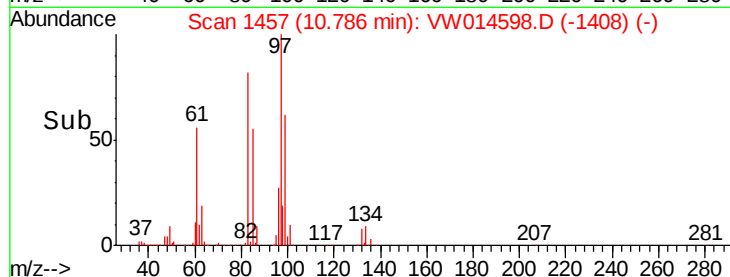
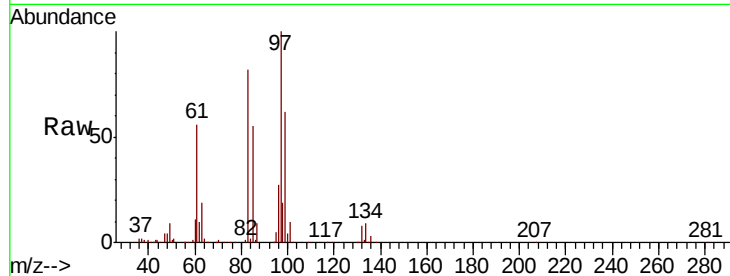




#55
 1,1,2-Trichloroethane
 Concen: 22.261 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW014598.D
 Acq: 10 Jan 2020 14:40

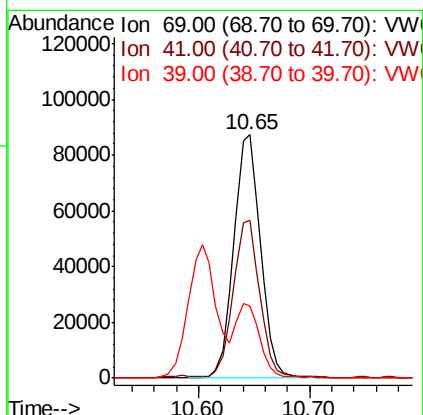
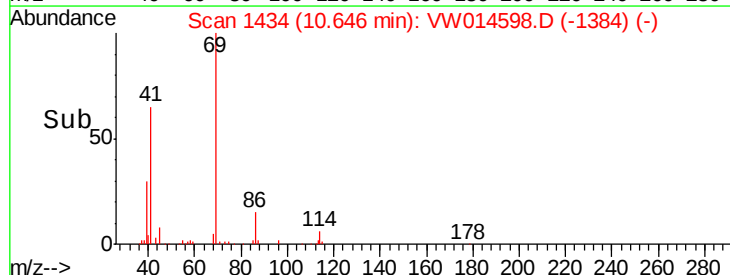
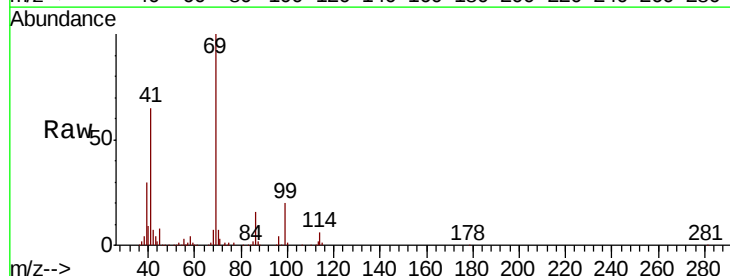
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD01

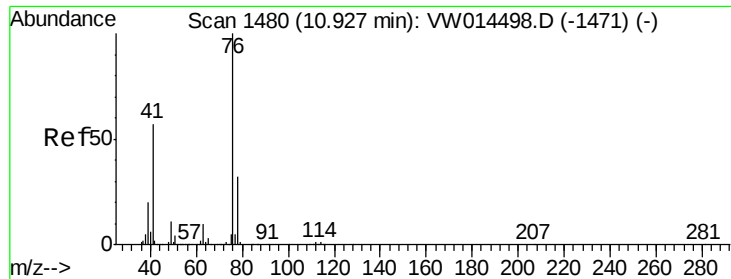
Tot Ion:	97	Resp:	116570
Ion	Ratio	Lower	Upper
97	100		
83	81.8	68.2	102.4
85	55.0	43.0	64.4
99	62.2	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 21.429 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW014598.D
 Acq: 10 Jan 2020 14:40

Tgt Ion:	69	Resp:	145833
Ion	Ratio	Lower	Upper
69	100		
41	63.1	51.3	76.9
39	26.4	21.0	31.6

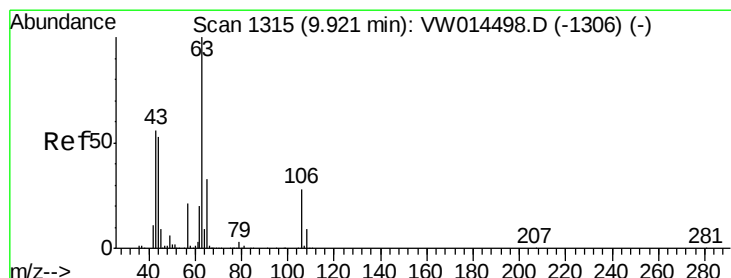
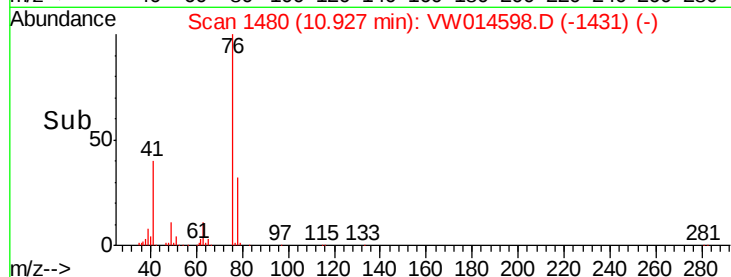
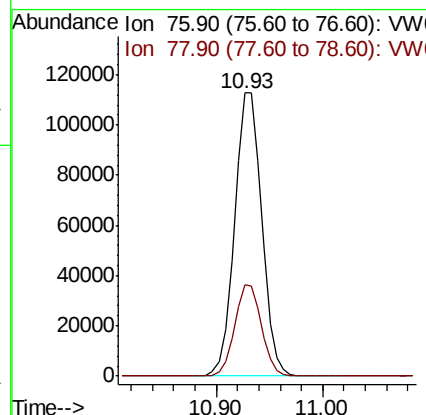
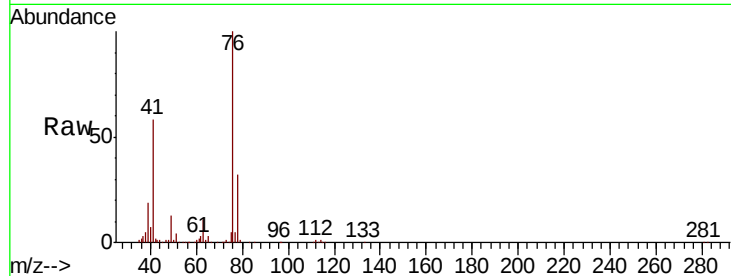




#57
 1,3-Dichloropropane
 Concen: 21.972 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VW014598.D
 Acq: 10 Jan 2020 14:40

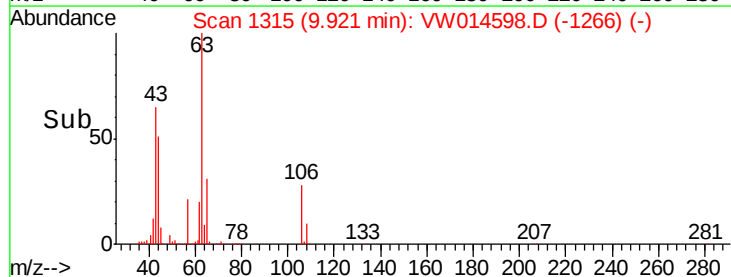
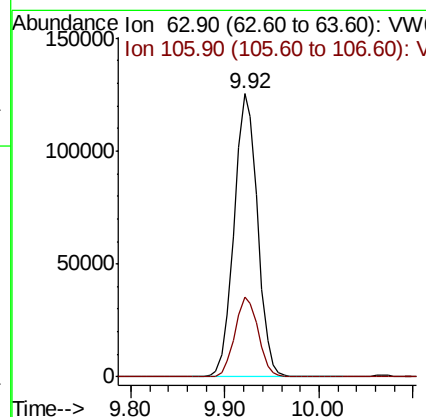
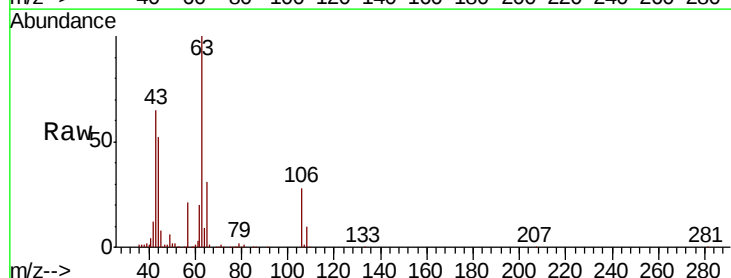
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD01

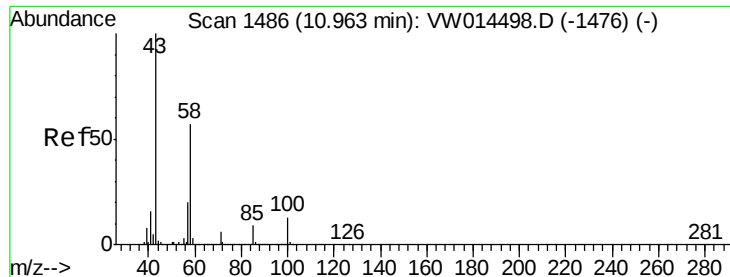
Tot Ion: 76 Resp: 202212
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.476 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW014598.D
 Acq: 10 Jan 2020 14:40

Tgt Ion: 63 Resp: 216235
 Ion Ratio Lower Upper
 63 100
 106 28.2 23.0 34.6





#59

2-Hexanone

Concen: 110.570 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

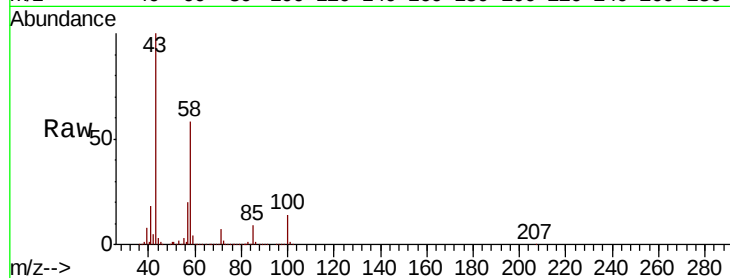
VW0110SBSD01

Tot Ion: 43 Resp: 340871

Ion Ratio Lower Upper

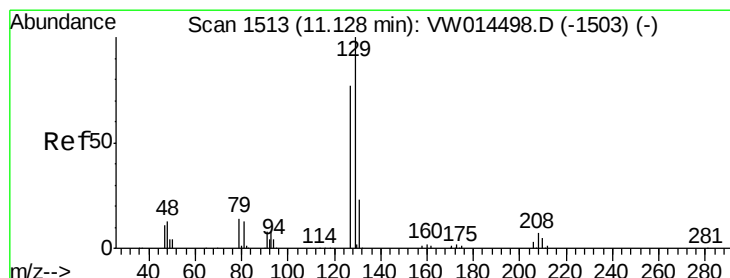
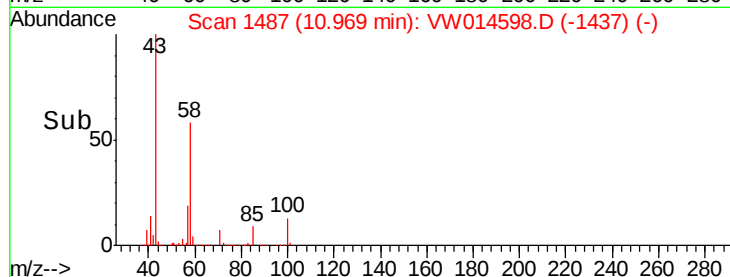
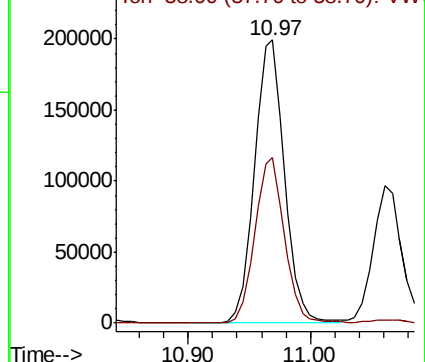
43 100

58 57.4 28.7 86.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 21.270 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW014598.D

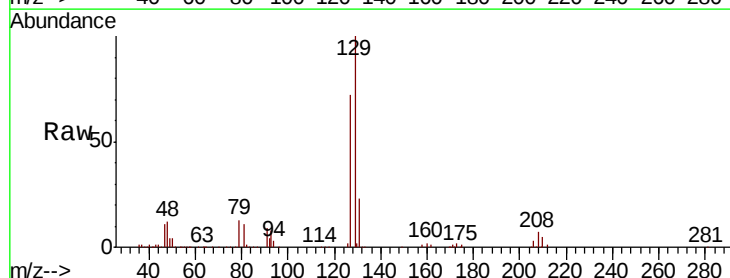
Acq: 10 Jan 2020 14:40

Tgt Ion: 129 Resp: 125670

Ion Ratio Lower Upper

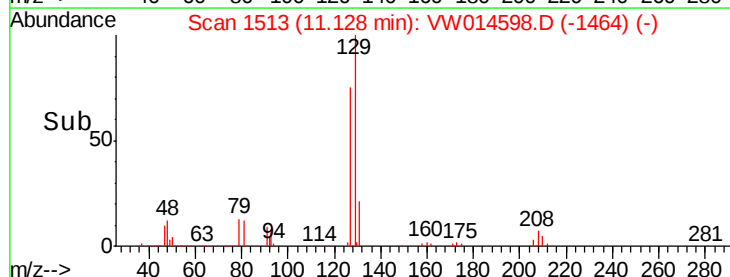
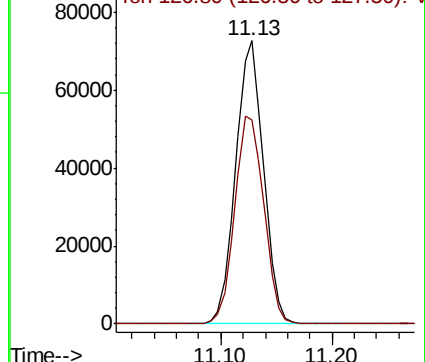
129 100

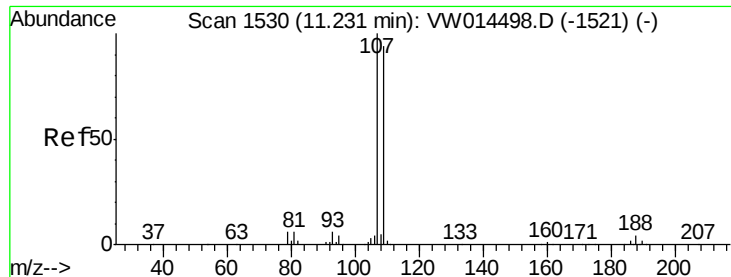
127 76.6 38.1 114.5



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 21.501 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

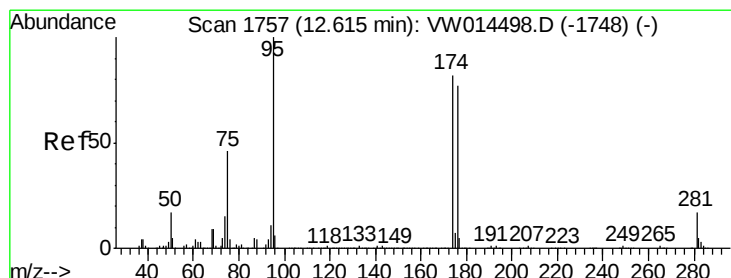
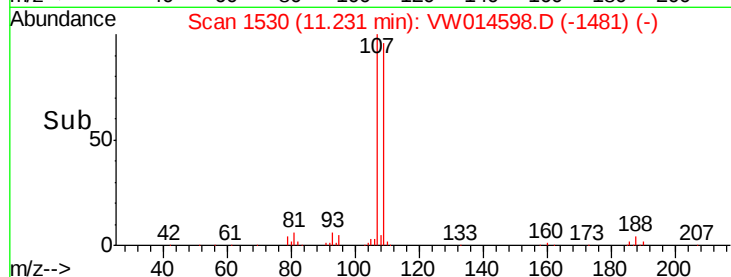
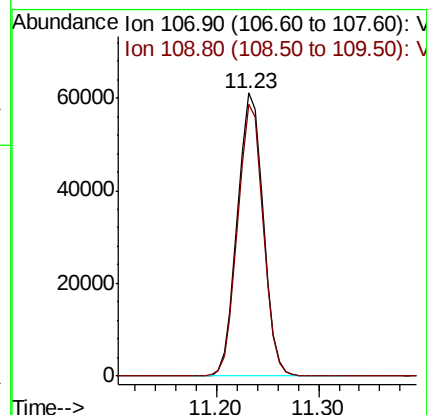
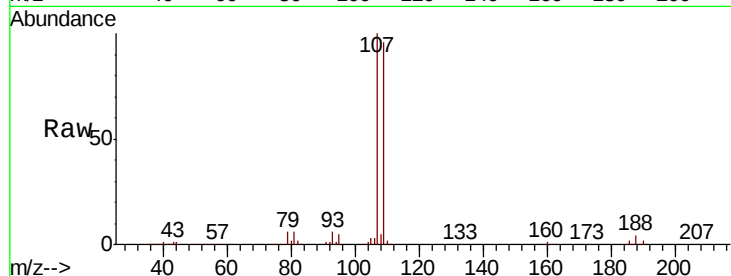
VW0110SBSD01

Tot Ion: 107 Resp: 106873

Ion Ratio Lower Upper

107 100

109 95.3 75.1 112.7



#62

4-Bromofluorobenzene

Concen: 49.976 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

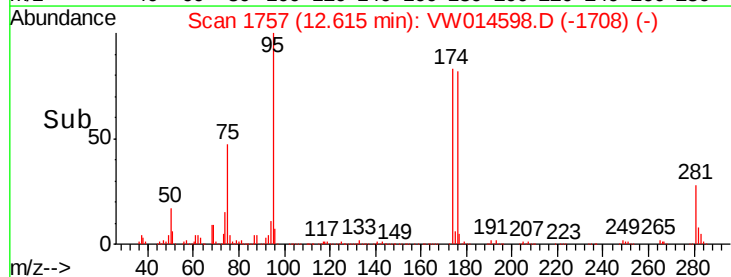
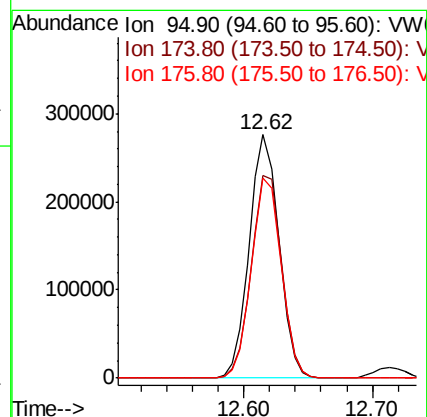
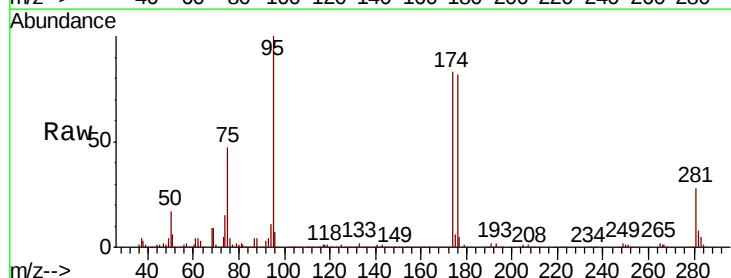
Tgt Ion: 95 Resp: 438700

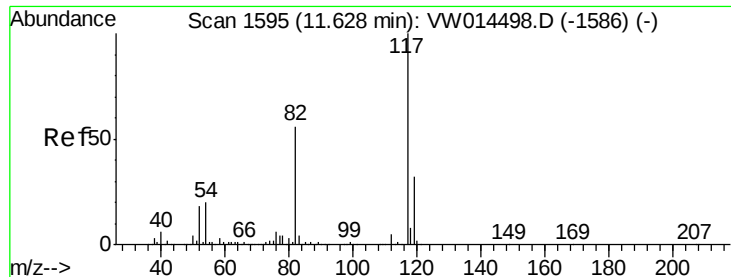
Ion Ratio Lower Upper

95 100

174 85.2 0.0 168.6

176 83.0 0.0 162.0

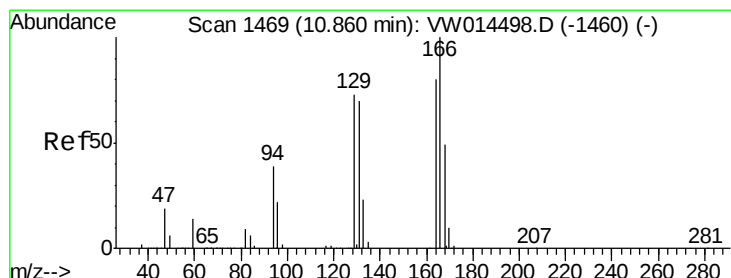
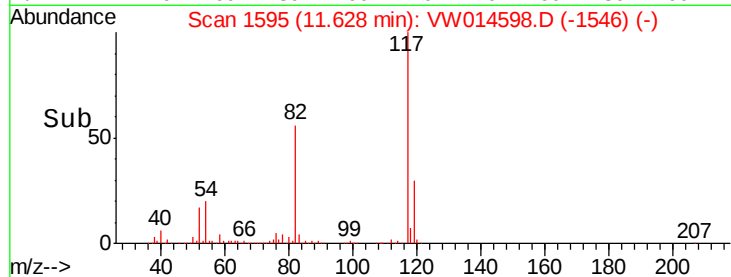
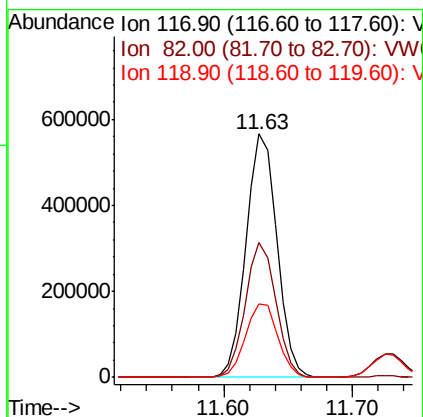
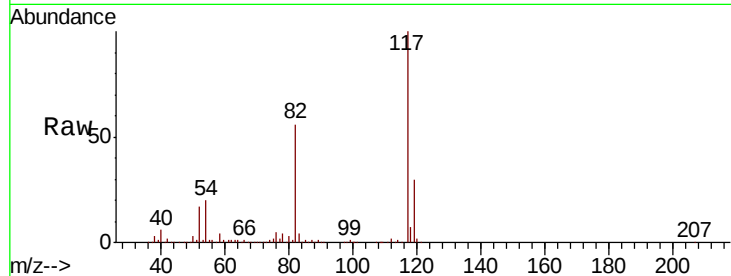




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

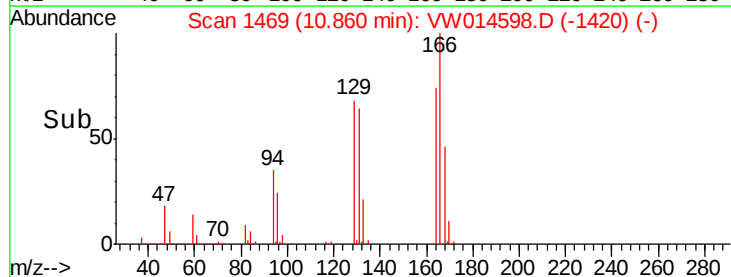
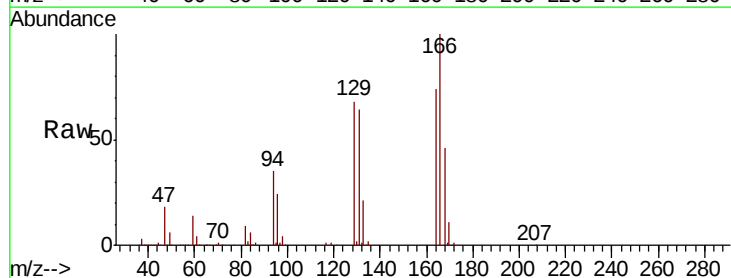
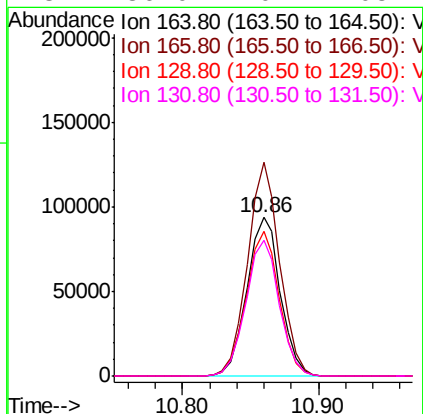
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

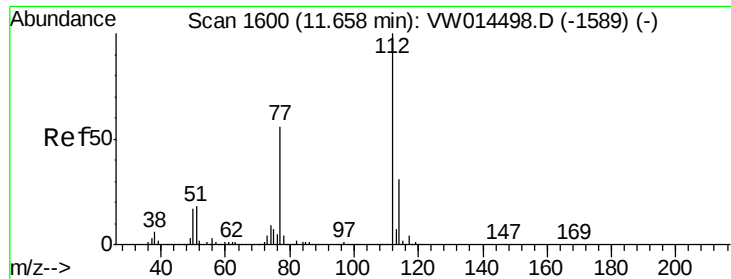
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.6	67.0
119	30.1	25.7	38.5



#64
Tetrachloroethene
Concen: 23.789 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.8	99.8	149.6
129	91.6	72.4	108.6
131	86.0	70.1	105.1

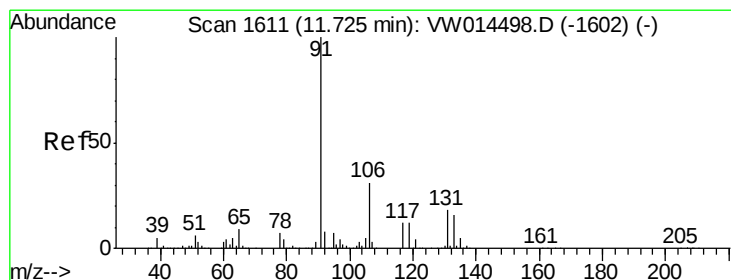
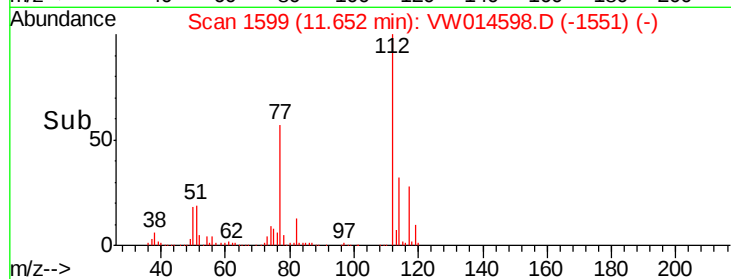
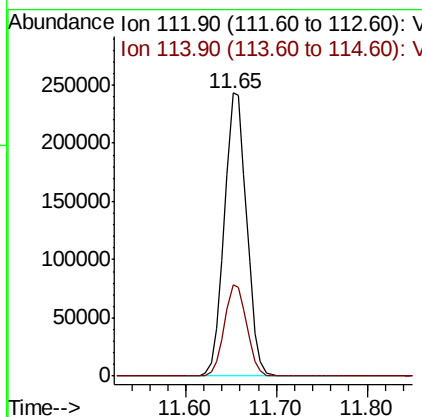
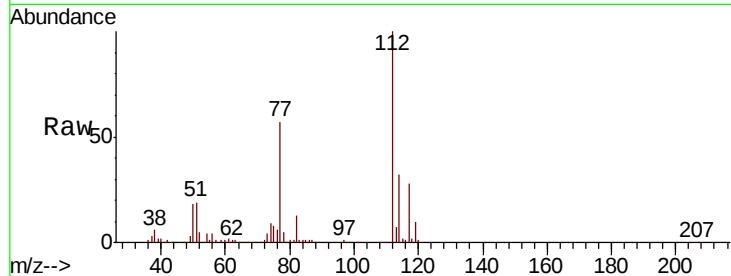




#65
Chlorobenzene
Concen: 21.763 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

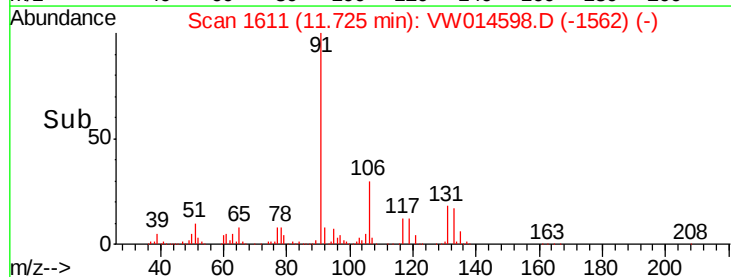
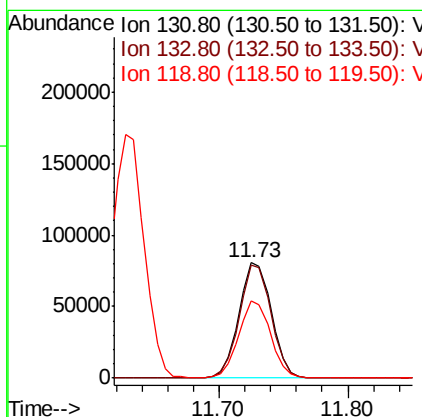
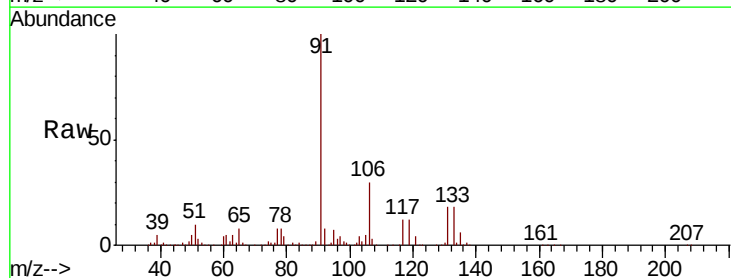
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

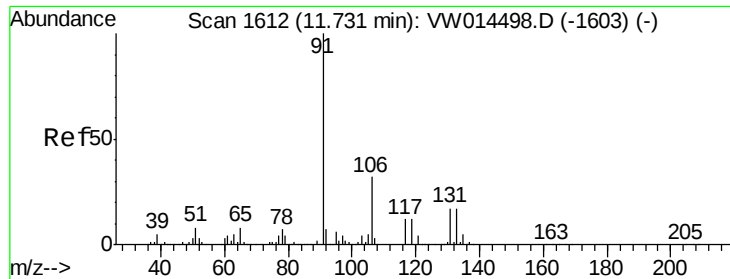
Tot Ion:112 Resp: 417485
Ion Ratio Lower Upper
112 100
114 32.3 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.692 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

Tgt Ion:131 Resp: 140111
Ion Ratio Lower Upper
131 100
133 96.4 47.3 142.0
119 66.1 33.1 99.3

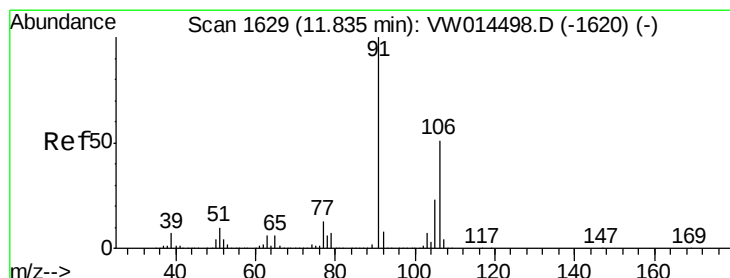
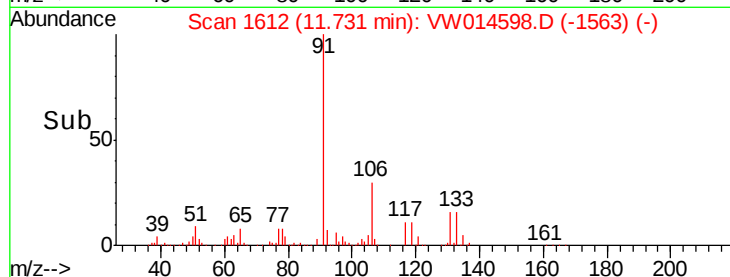
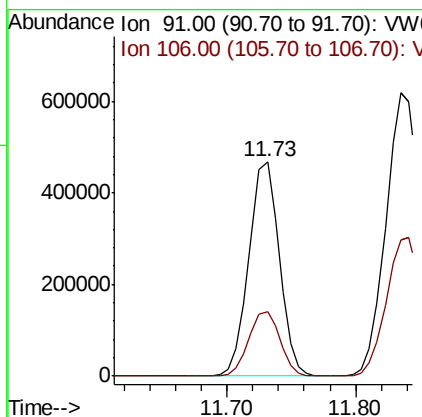
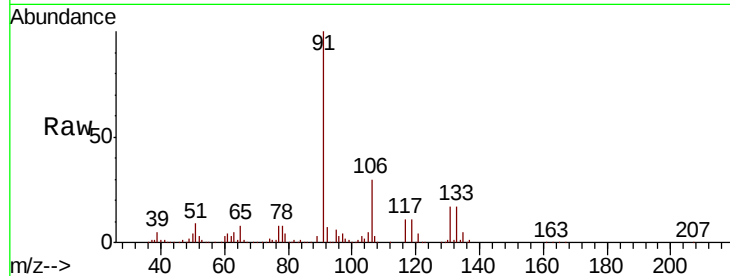




#67
Ethyl Benzene
Concen: 22.059 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

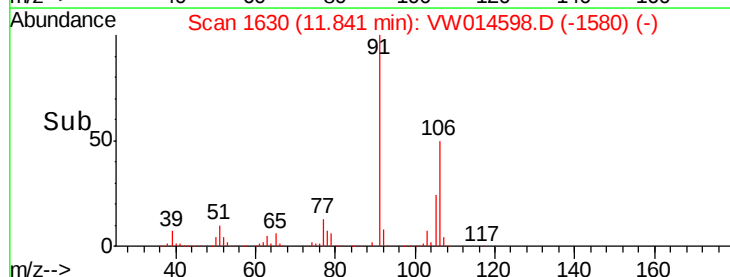
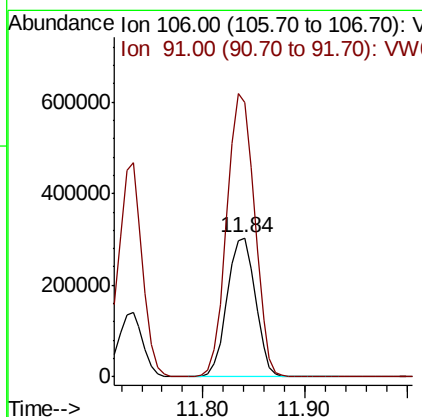
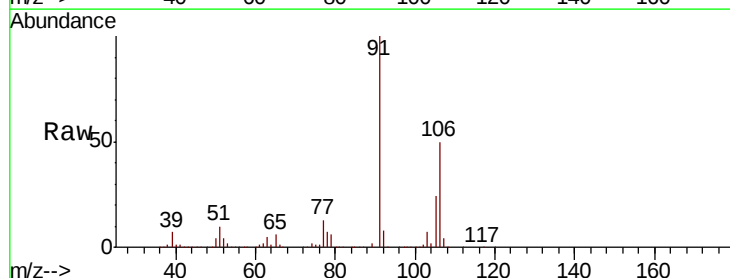
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

Tot Ion: 91 Resp: 762599
Ion Ratio Lower Upper
91 100
106 30.4 25.5 38.3



#68
m/p-Xylenes
Concen: 44.022 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

Tgt Ion: 106 Resp: 582479
Ion Ratio Lower Upper
106 100
91 201.1 159.0 238.6

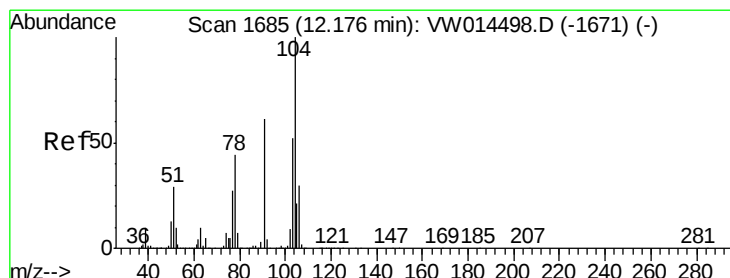
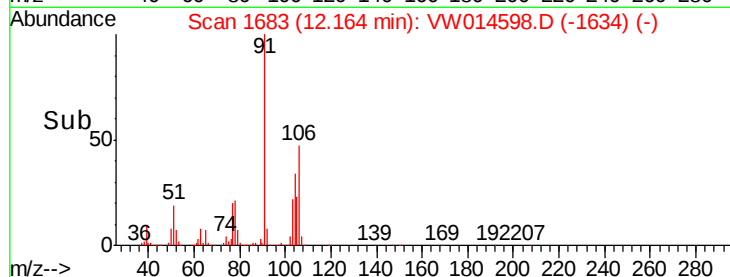
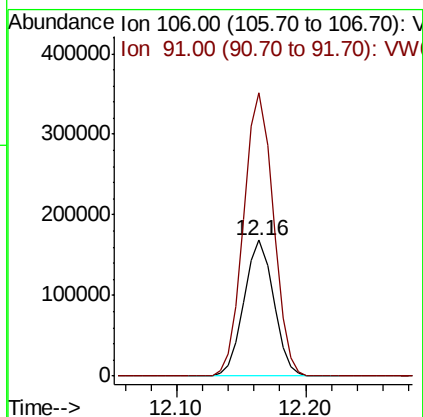
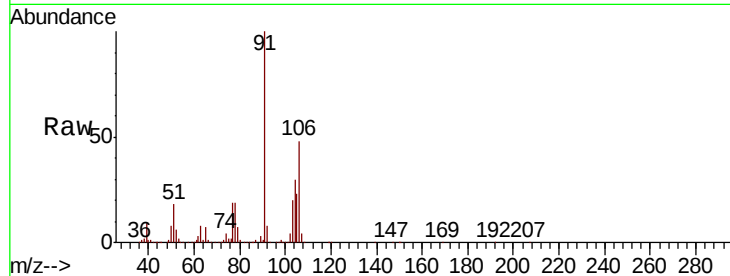




#69
o-Xylene
Concen: 21.939 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

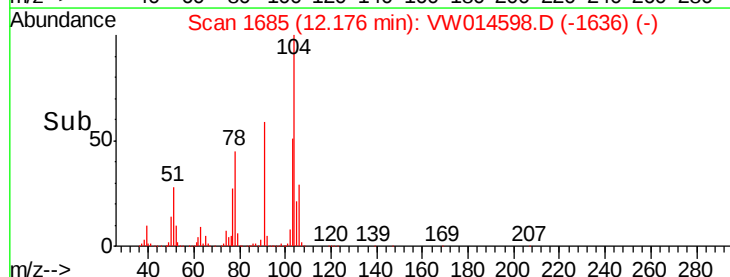
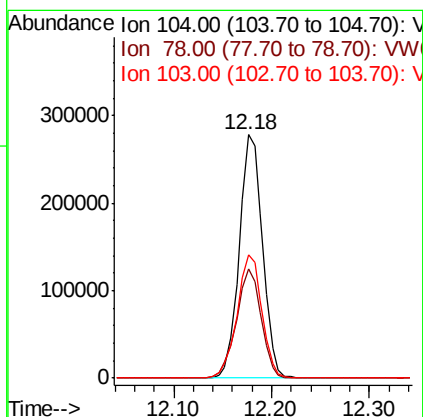
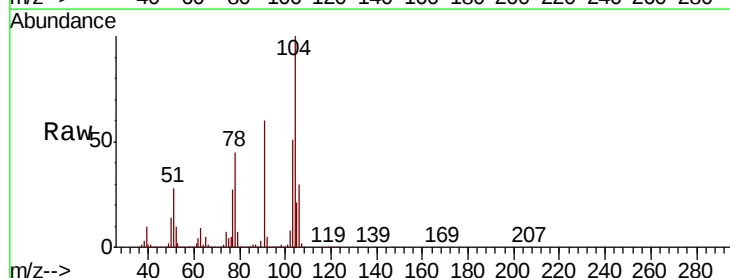
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

Tot Ion:106 Resp: 268136
Ion Ratio Lower Upper
106 100
91 209.6 105.2 315.6



#70
Styrene
Concen: 22.199 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

Tgt Ion:104 Resp: 458904
Ion Ratio Lower Upper
104 100
78 48.0 38.4 57.6
103 54.2 43.7 65.5





#71

Bromoform

Concen: 21.721 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD01

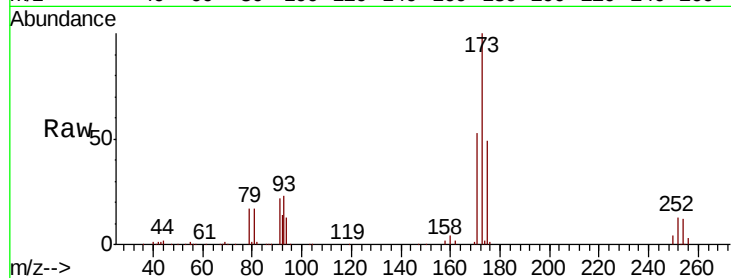
Tot Ion:173 Resp: 76524

Ion Ratio Lower Upper

173 100

175 48.2 24.5 73.5

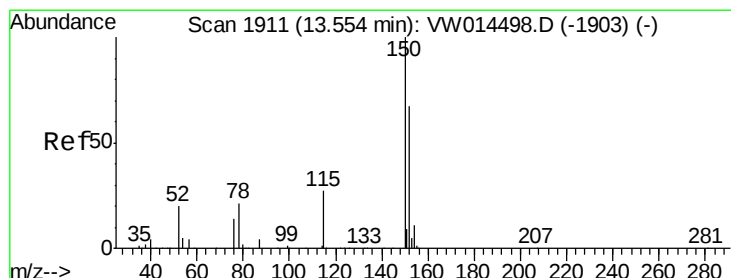
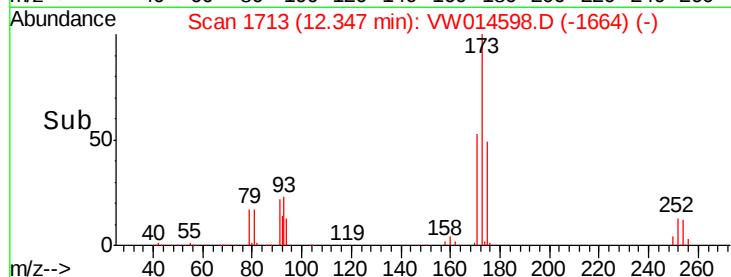
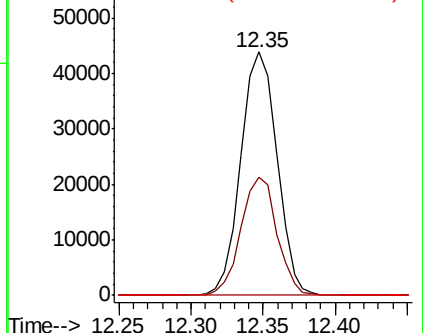
254 0.2 0.0 0.0#



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: VW014598.D

Acq: 10 Jan 2020 14:40

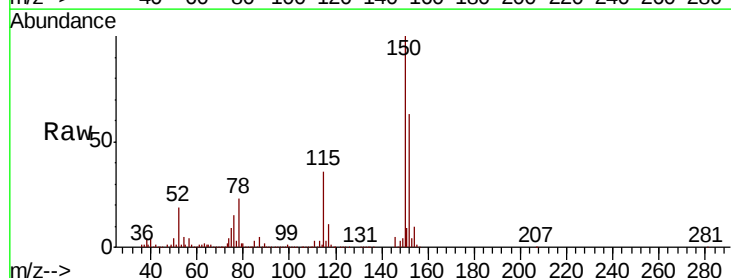
Tgt Ion:152 Resp: 466081

Ion Ratio Lower Upper

152 100

115 56.5 27.7 83.1

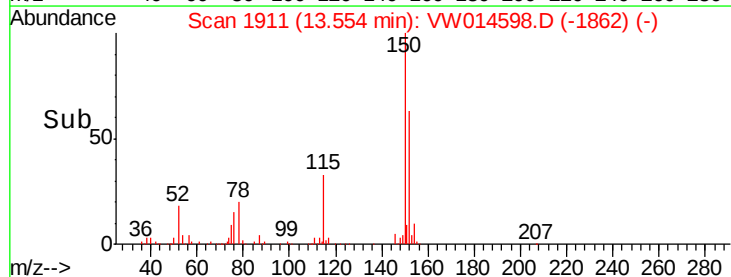
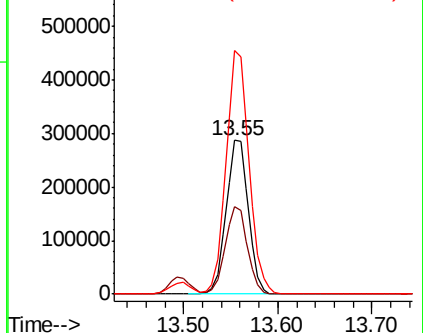
150 164.2 0.0 343.4



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: 21.932 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

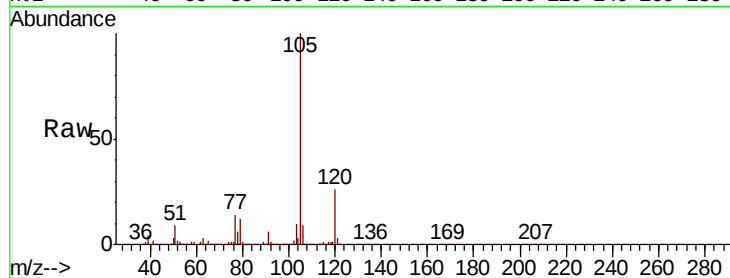
VW0110SBSD01

Tot Ion:105 Resp: 750055

Ion Ratio Lower Upper

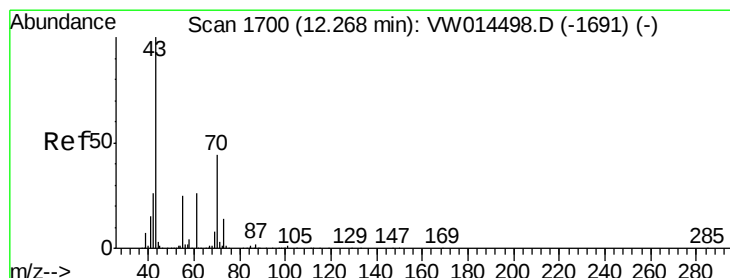
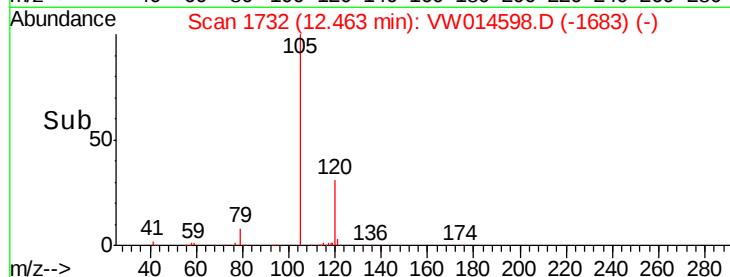
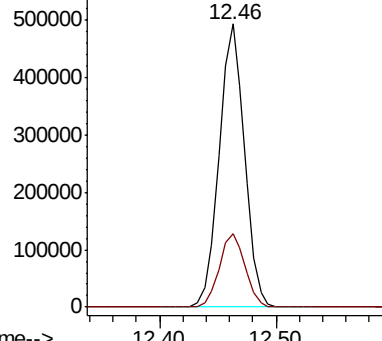
105 100

120 26.4 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: 21.322 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Tgt Ion: 43 Resp: 163498

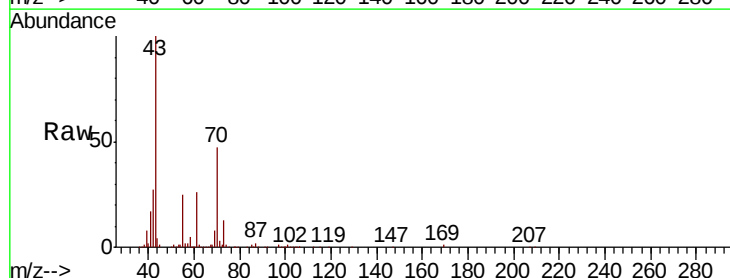
Ion Ratio Lower Upper

43 100

70 45.8 36.5 54.7

55 26.5 20.9 31.3

61 25.4 20.7 31.1

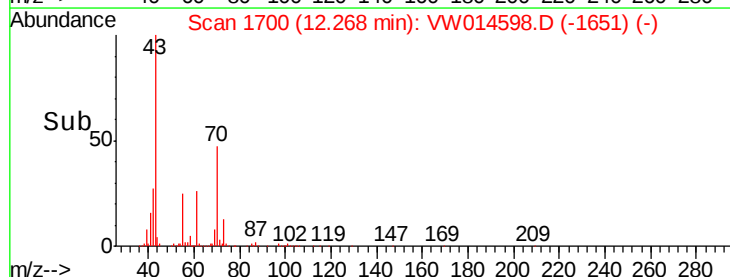
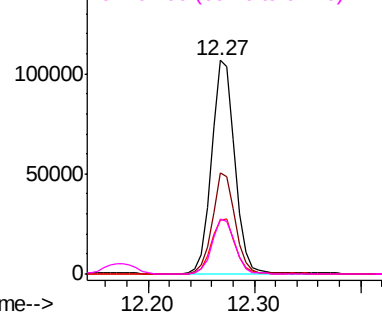


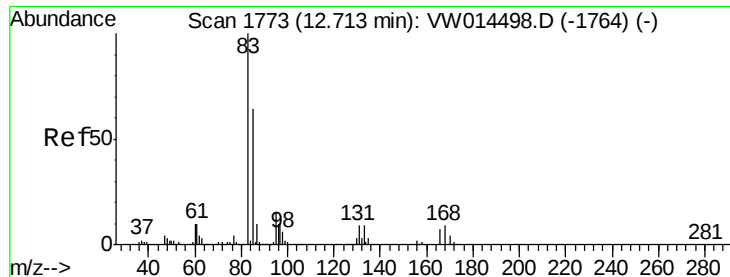
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 21.569 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD01

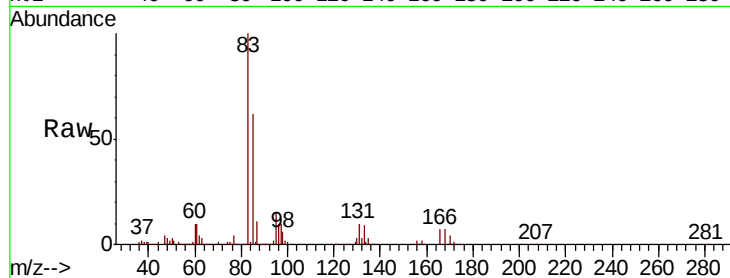
Tot Ion: 83 Resp: 133137

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.4

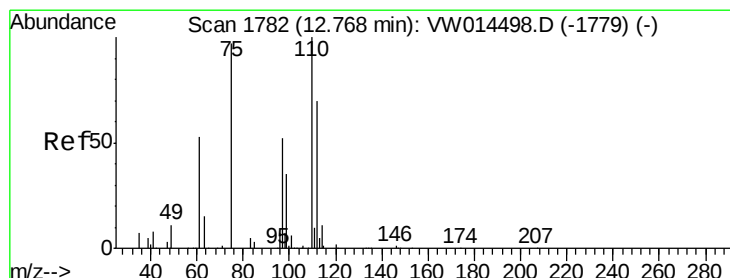
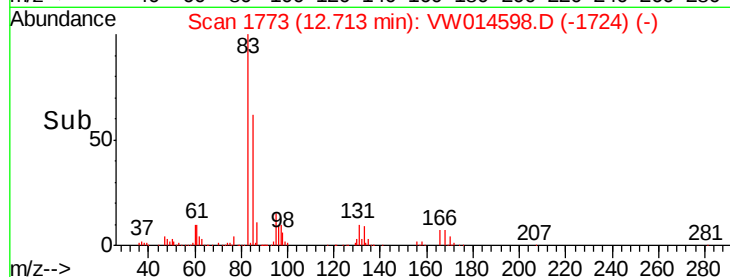
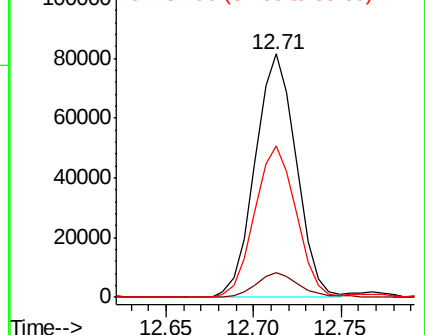
85 63.2 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 37.913 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014598.D

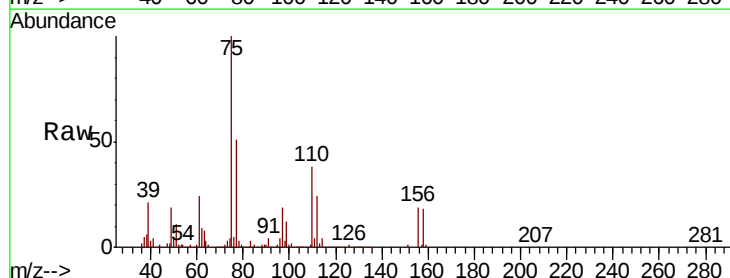
Acq: 10 Jan 2020 14:40

Tgt Ion: 75 Resp: 167073

Ion Ratio Lower Upper

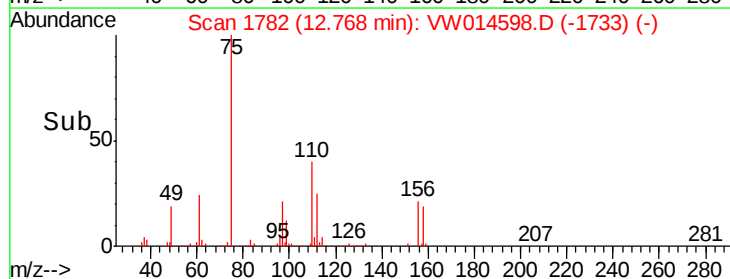
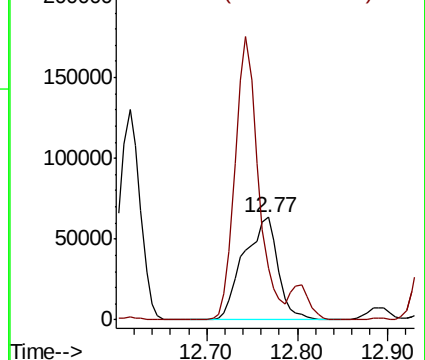
75 100

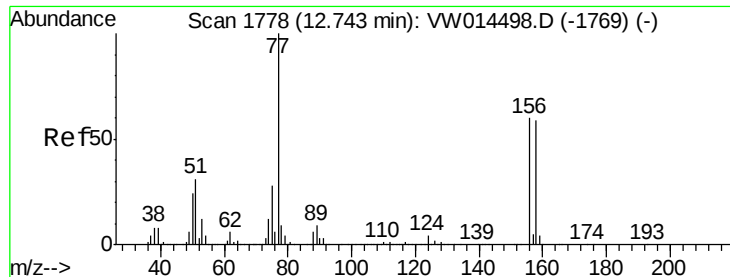
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.736 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD01

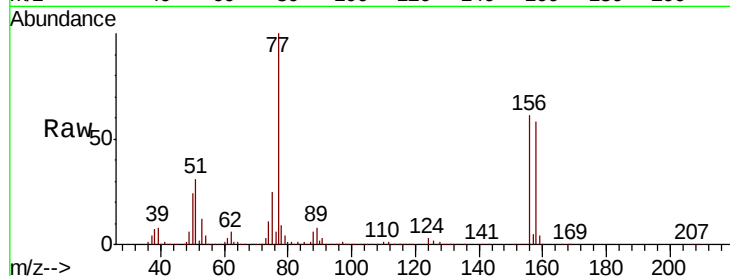
Tot Ion:156 Resp: 172649

Ion Ratio Lower Upper

156 100

77 182.0 92.3 277.1

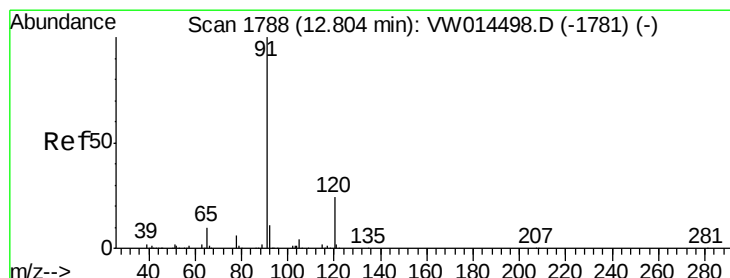
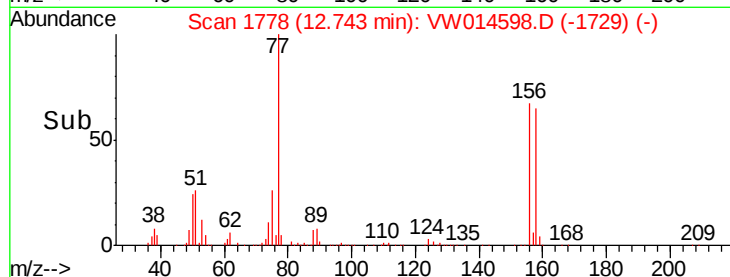
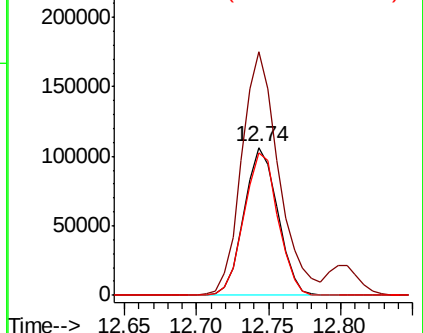
158 96.9 48.6 145.9



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: 22.050 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW014598.D

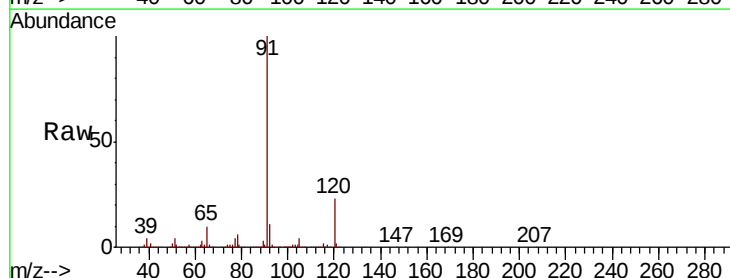
Acq: 10 Jan 2020 14:40

Tgt Ion: 91 Resp: 886738

Ion Ratio Lower Upper

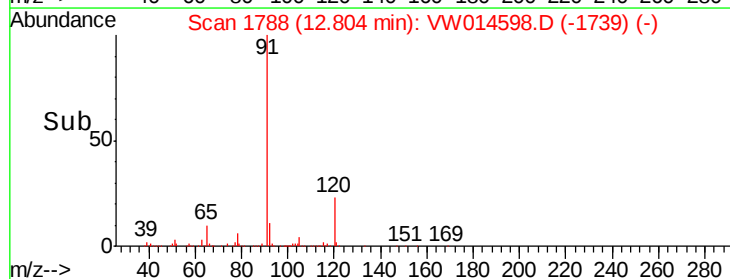
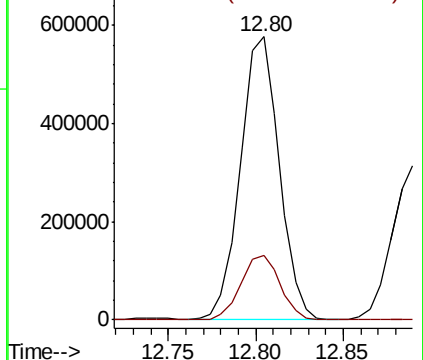
91 100

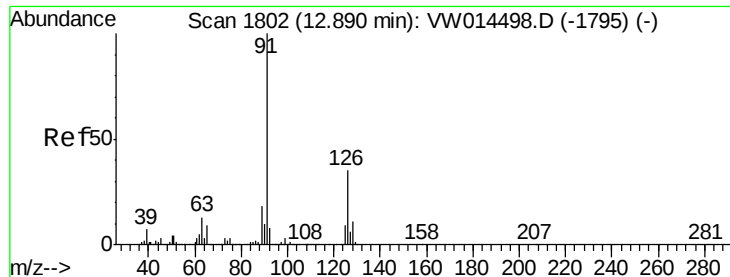
120 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.860 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

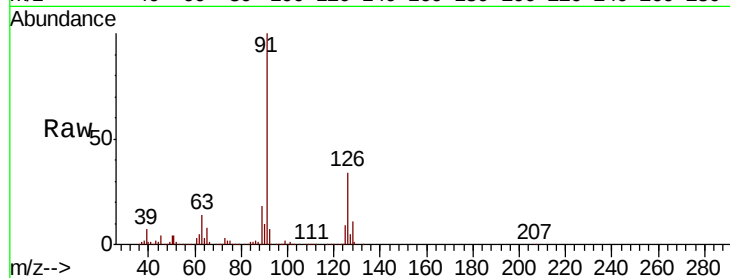
VW0110SBSD01

Tot Ion: 91 Resp: 500256

Ion Ratio Lower Upper

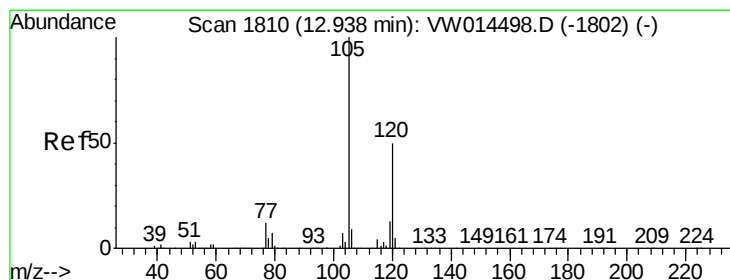
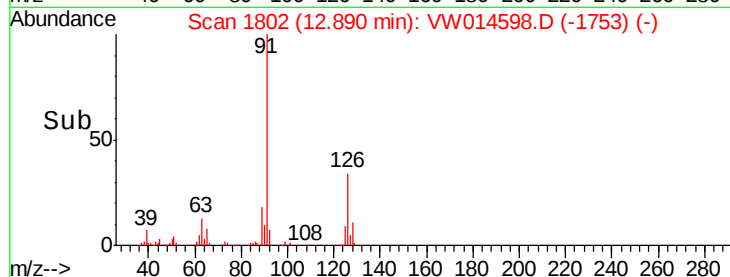
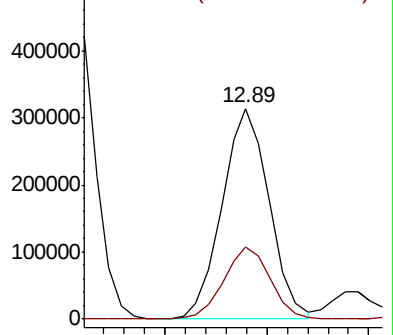
91 100

126 34.2 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: 21.912 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW014598.D

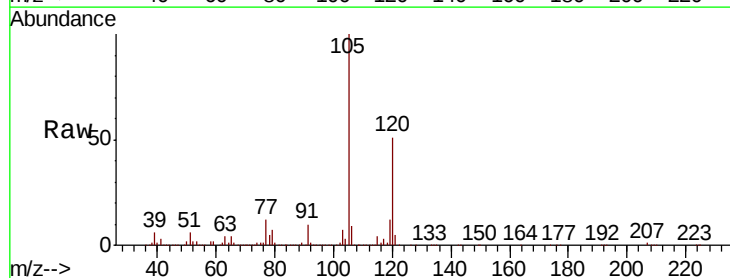
Acq: 10 Jan 2020 14:40

Tgt Ion:105 Resp: 629202

Ion Ratio Lower Upper

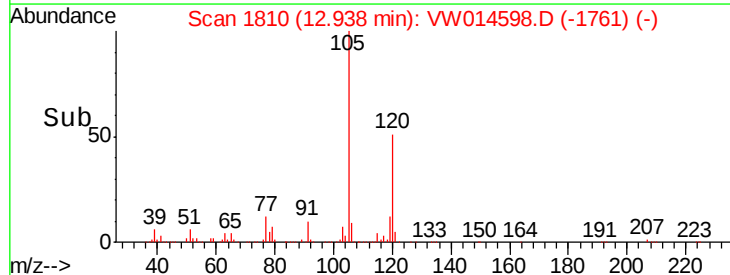
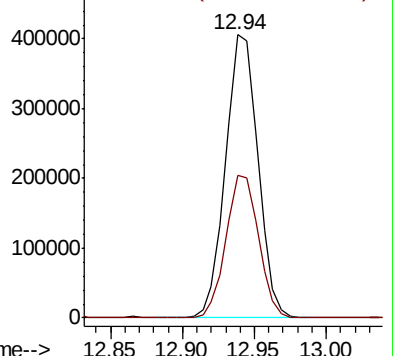
105 100

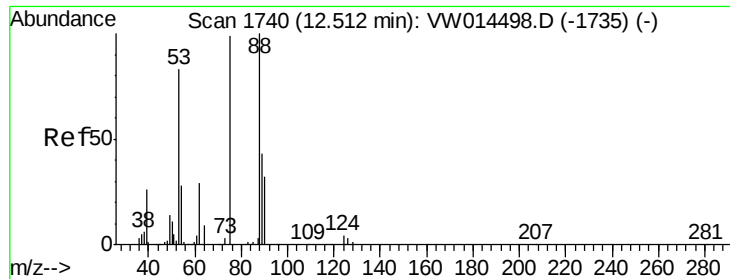
120 50.7 25.2 75.6



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: 21.416 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD01

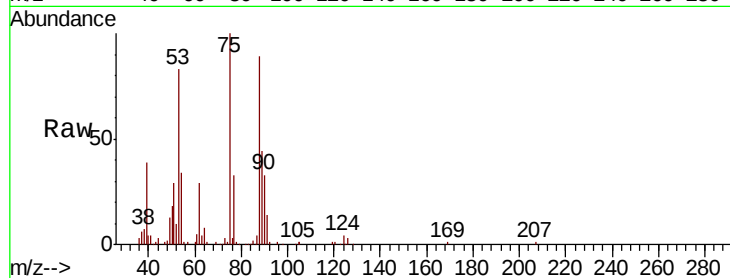
Tot Ion: 75 Resp: 42358

Ion Ratio Lower Upper

75 100

53 87.9 70.9 106.3

89 44.2 35.8 53.8



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW

150000

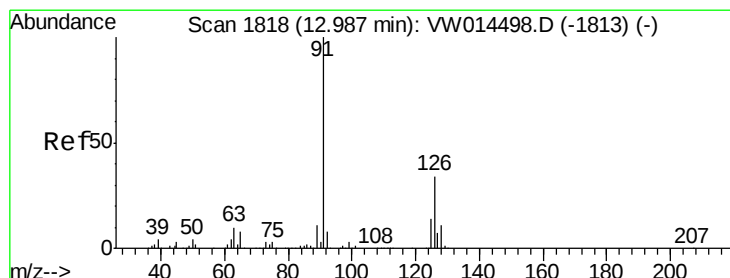
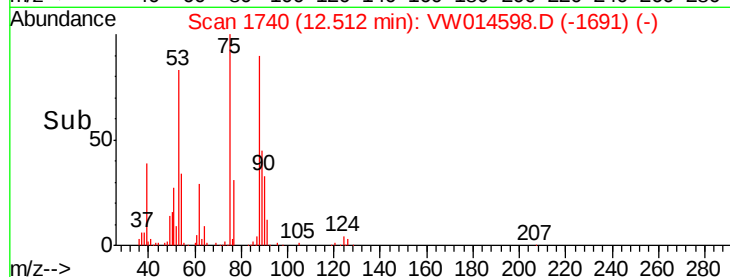
100000

50000

0

12.45 12.50 12.55

Time-->



#82

4-Chlorotoluene

Concen: 21.798 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW014598.D

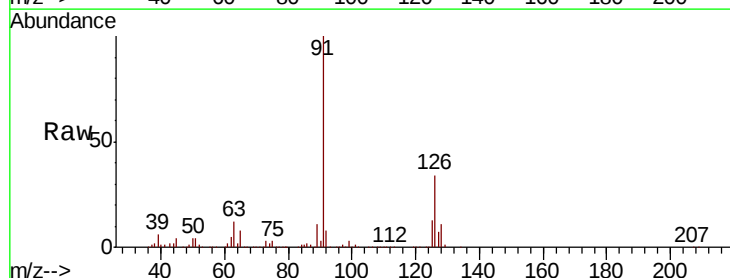
Acq: 10 Jan 2020 14:40

Tgt Ion: 91 Resp: 518260

Ion Ratio Lower Upper

91 100

126 34.3 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

400000

300000

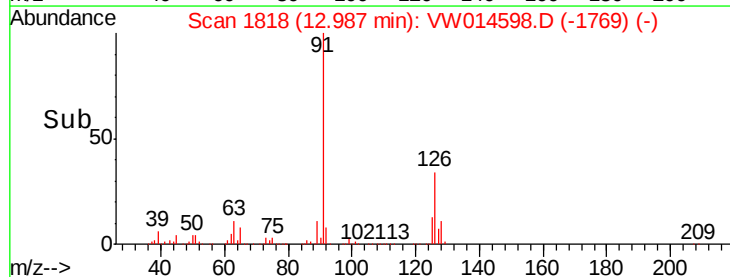
200000

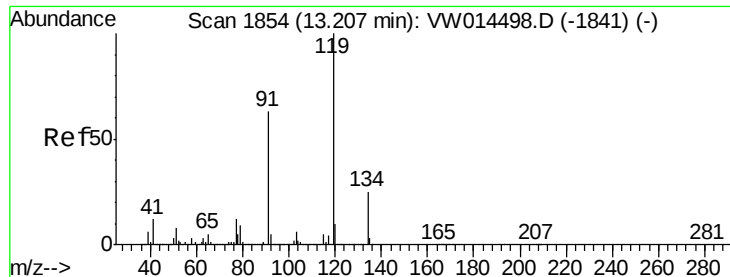
100000

0

12.95 13.00 13.05

Time-->

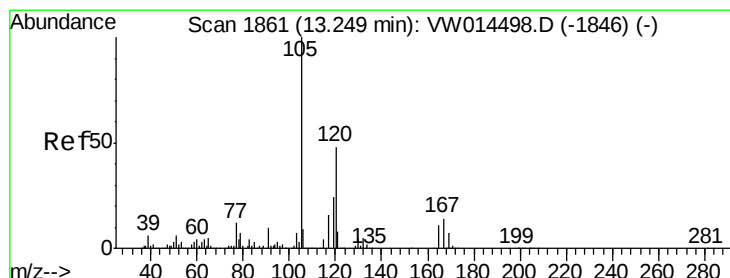
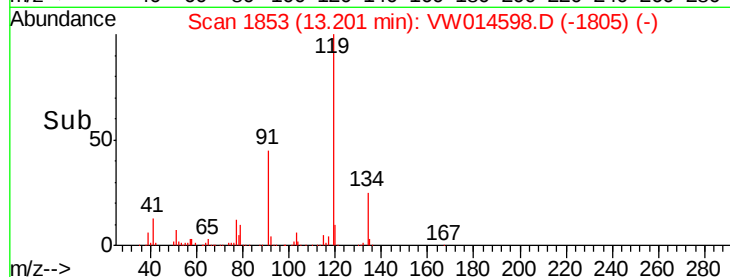
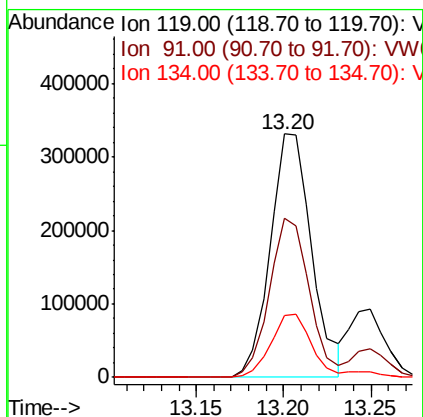
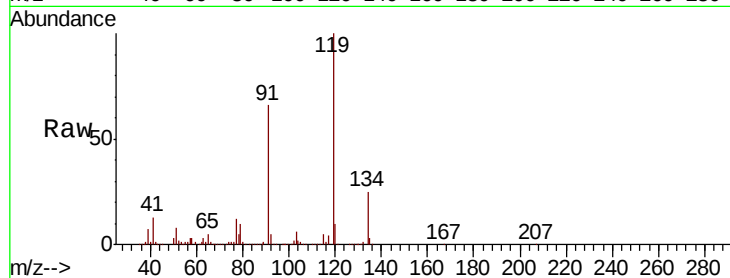




#83
tert-Butylbenzene
Concen: 21.775 ug/l
RT: 13.20 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

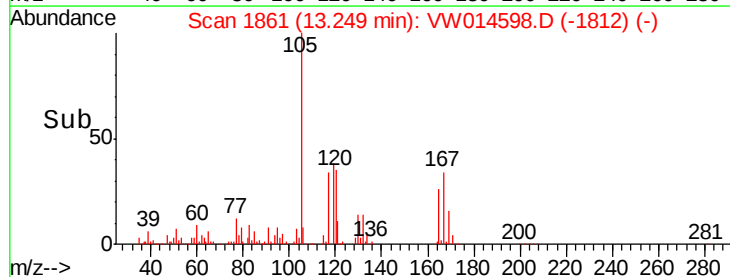
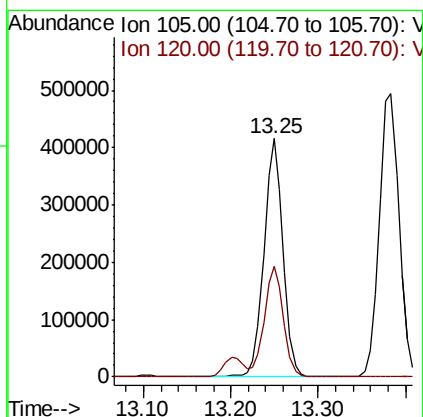
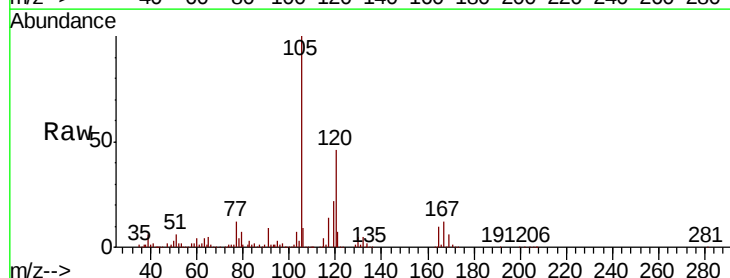
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

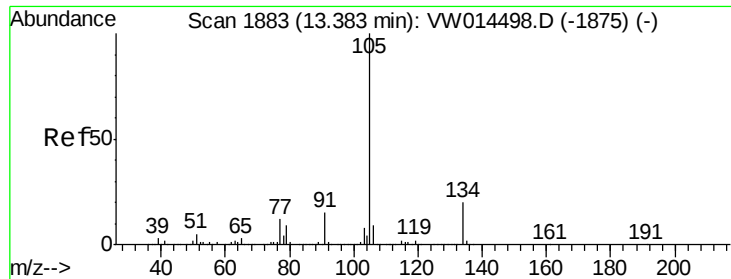
Tot Ion:119 Resp: 547431
Ion Ratio Lower Upper
119 100
91 62.9 31.1 93.3
134 27.0 13.5 40.5



#84
1,2,4-Trimethylbenzene
Concen: 22.019 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

Tgt Ion:105 Resp: 629190
Ion Ratio Lower Upper
105 100
120 46.6 23.4 70.0





#85

sec-Butylbenzene

Concen: 22.062 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_W

ClientSampleID :

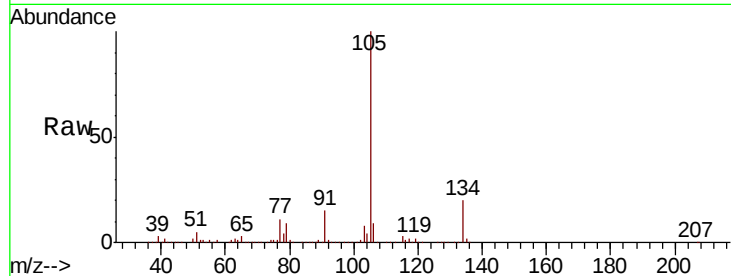
VW0110SBSD01

Tot Ion:105 Resp: 767717

Ion Ratio Lower Upper

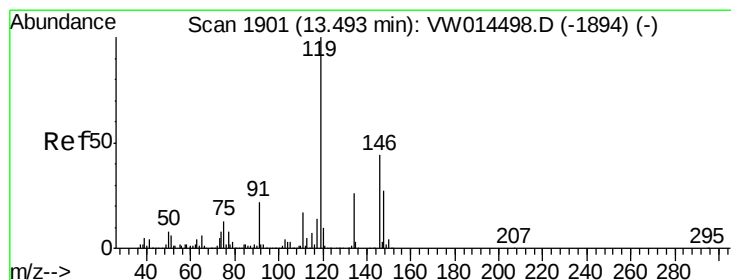
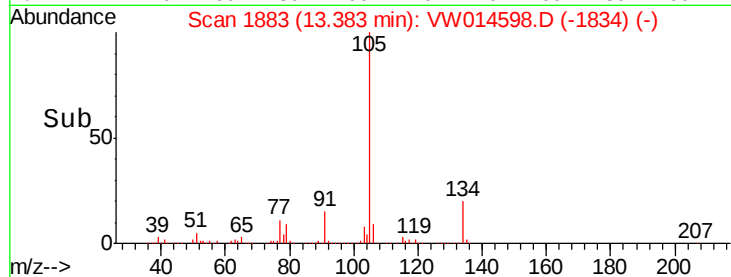
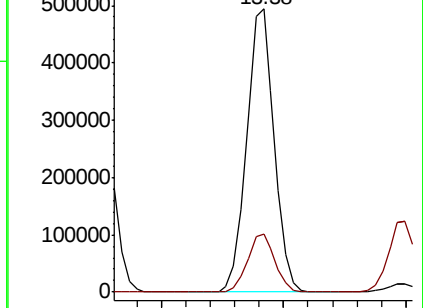
105 100

134 20.5 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.414 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

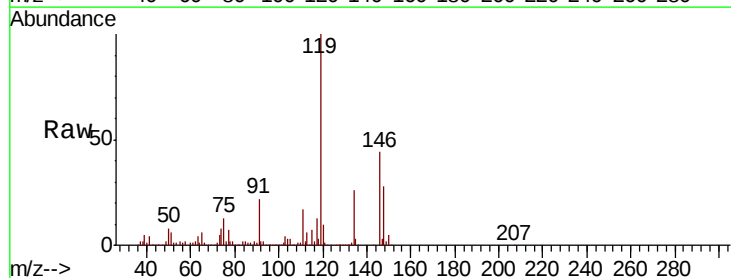
Tgt Ion:119 Resp: 710942

Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

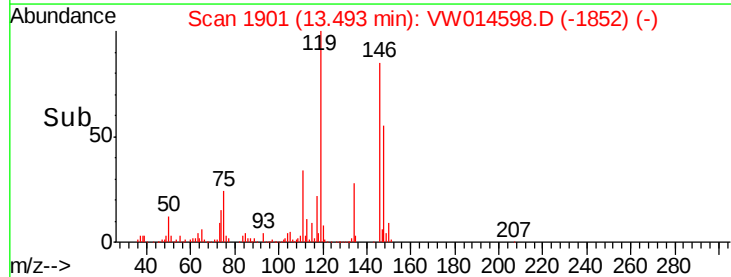
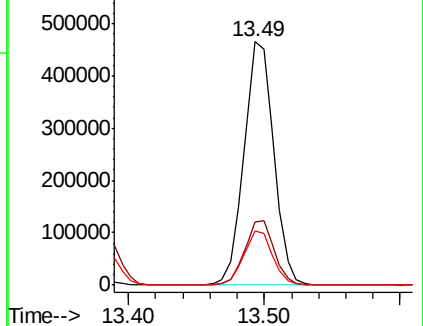
91 21.7 11.1 33.3

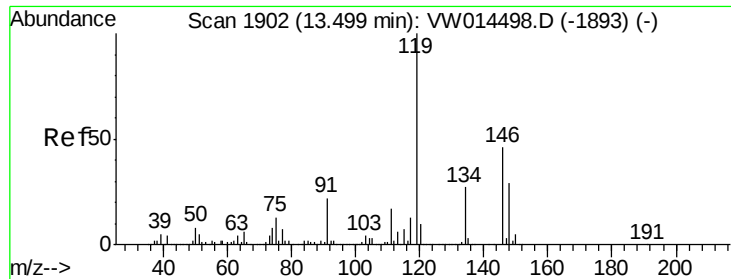


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

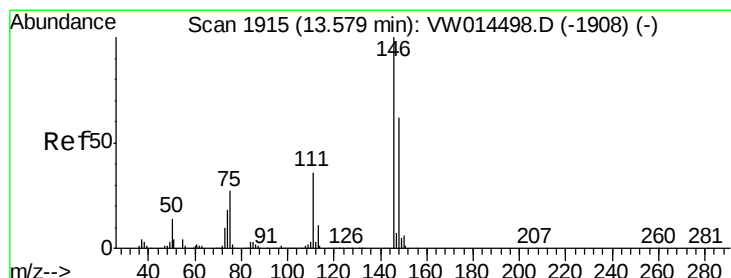
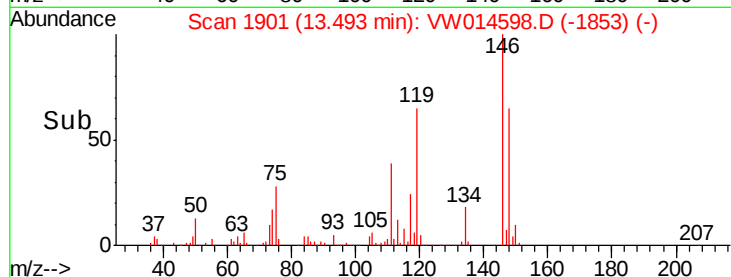
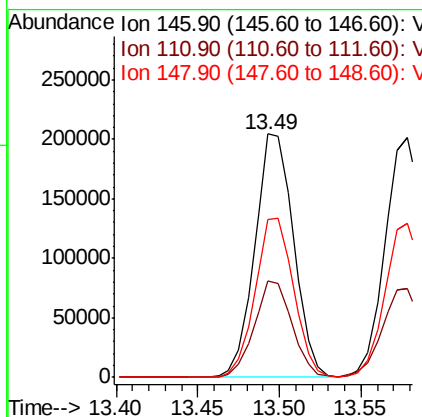
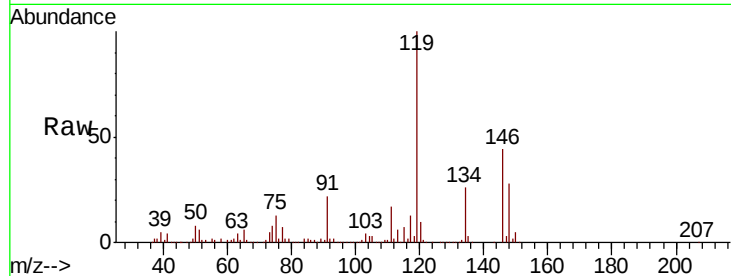




#87
 1,3-Dichlorobenzene
 Concen: 21.837 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW014598.D
 Acq: 10 Jan 2020 14:40

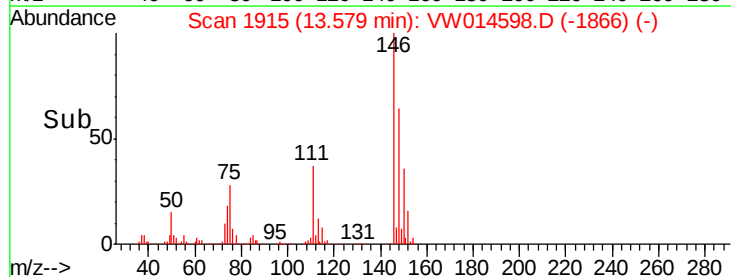
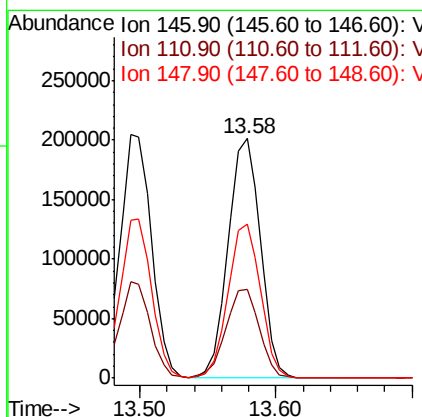
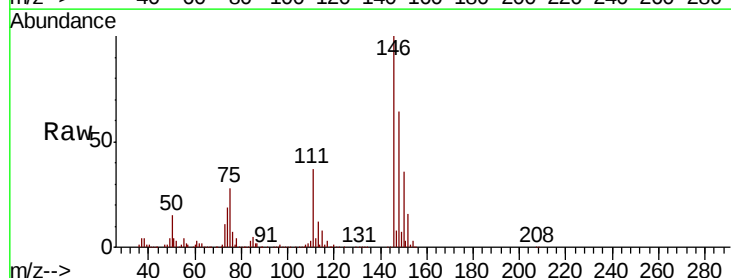
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD01

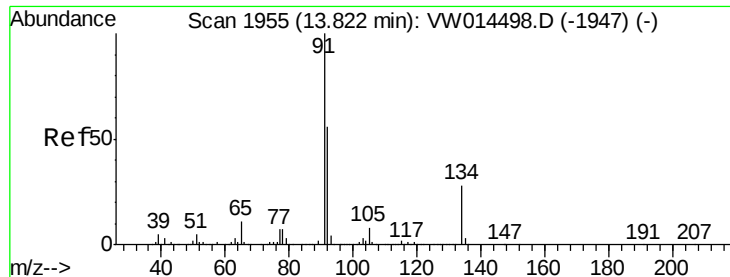
Tot Ion:146 Resp: 337288
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.3 57.9
 148 64.9 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.852 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014598.D
 Acq: 10 Jan 2020 14:40

Tgt Ion:146 Resp: 333213
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.7 56.1
 148 64.3 31.7 95.1





#89

n-Butylbenzene

Concen: 21.932 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD01

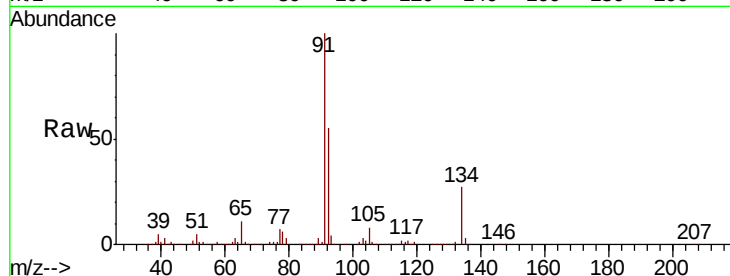
Tot Ion: 91 Resp: 646017

Ion Ratio Lower Upper

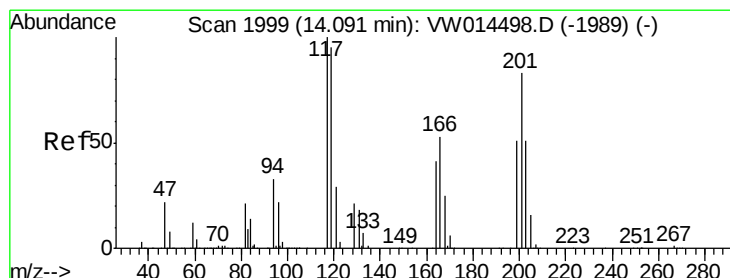
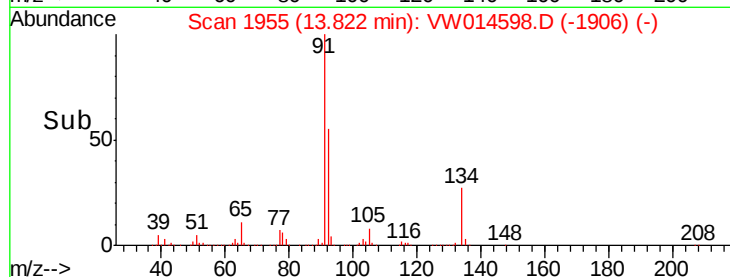
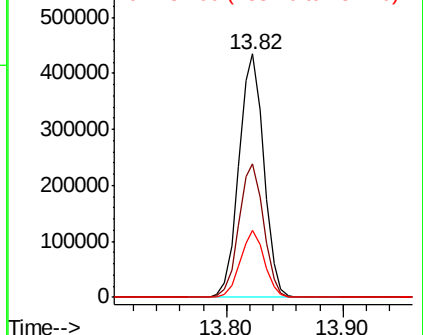
91 100

92 54.8 27.5 82.5

134 26.5 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.119 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW014598.D

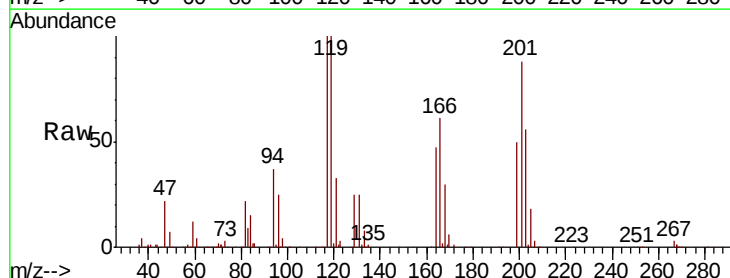
Acq: 10 Jan 2020 14:40

Tgt Ion: 117 Resp: 117019

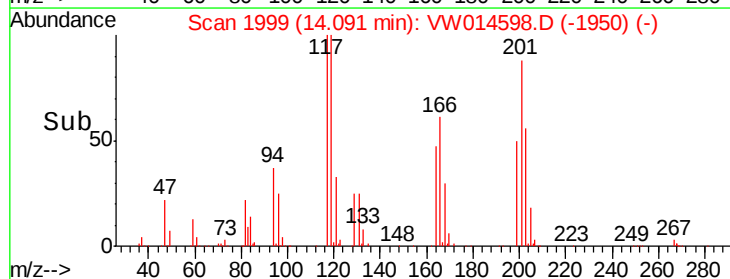
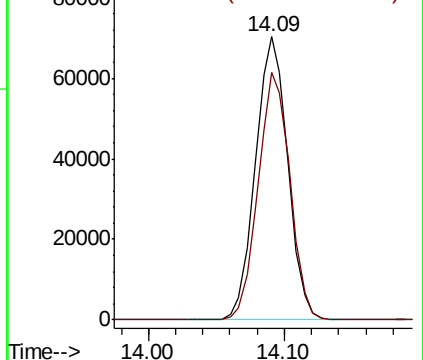
Ion Ratio Lower Upper

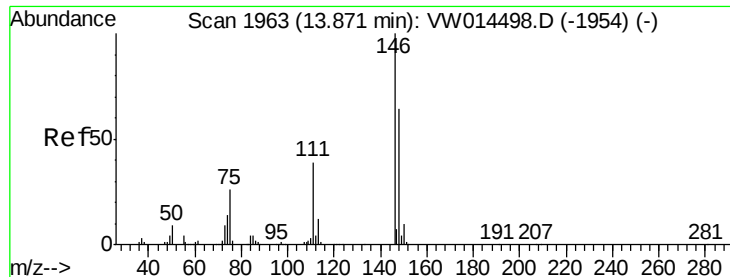
117 100

201 86.4 43.0 128.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

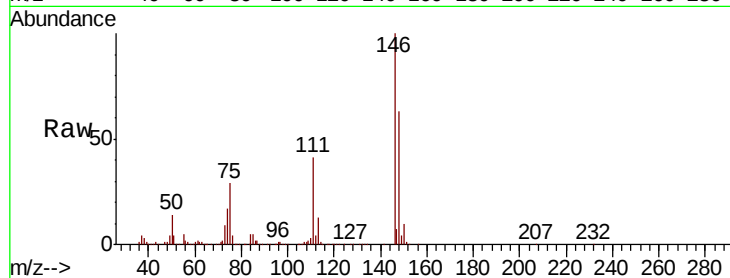




#91
 1,2-Dichlorobenzene
 Concen: 22.323 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014598.D
 Acq: 10 Jan 2020 14:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.4	61.3
148	63.2	32.3	96.8

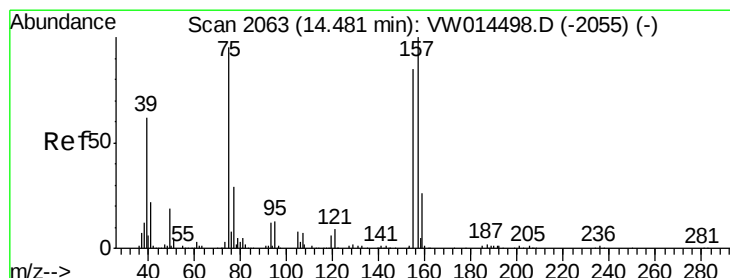
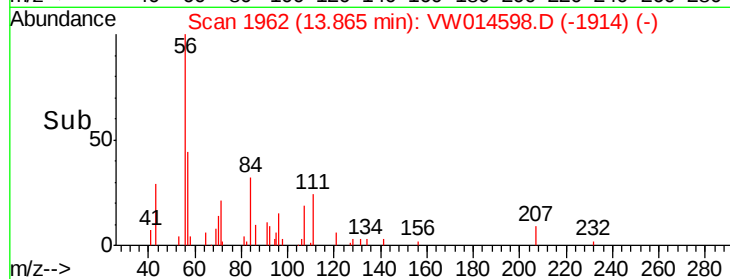
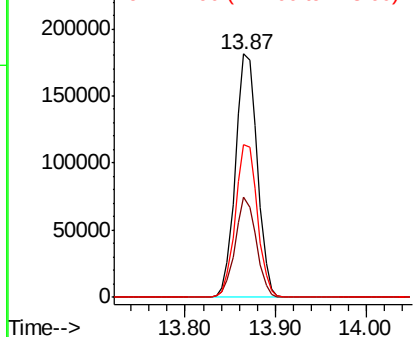


Abundance

Ion 145.90 (145.60 to 146.60): V

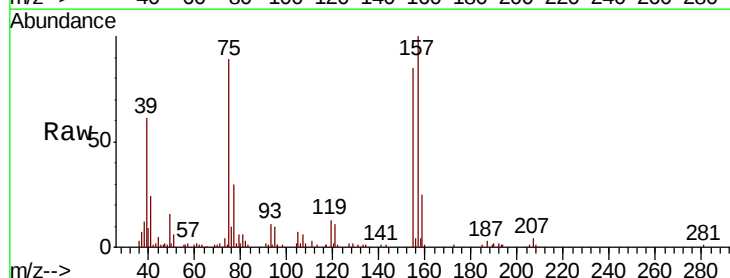
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.154 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014598.D
 Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.8	45.8	137.4
157	114.1	58.1	174.2

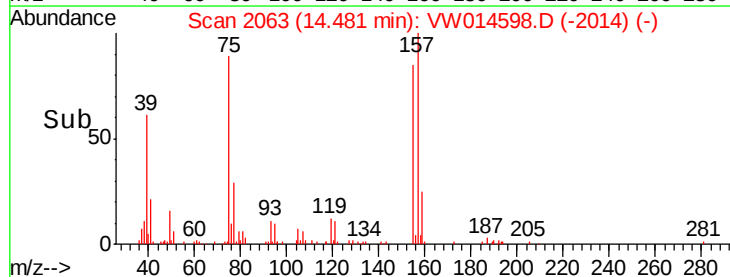
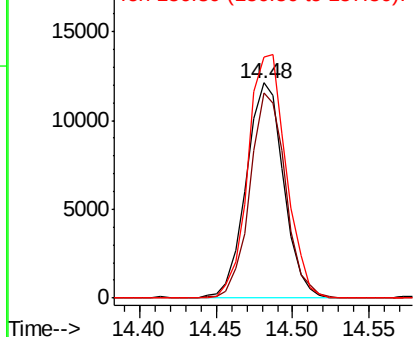


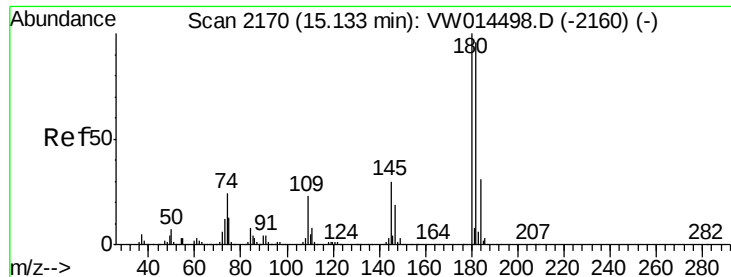
Abundance

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

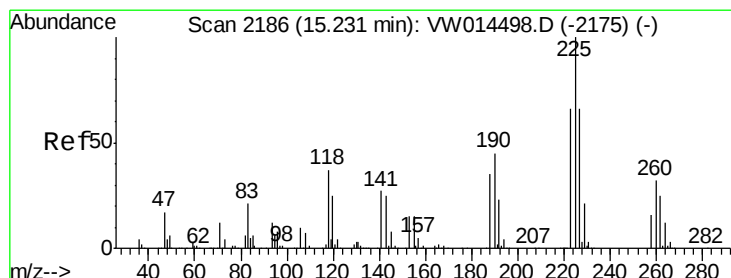
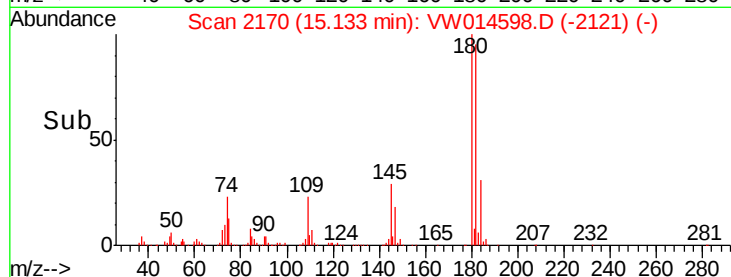
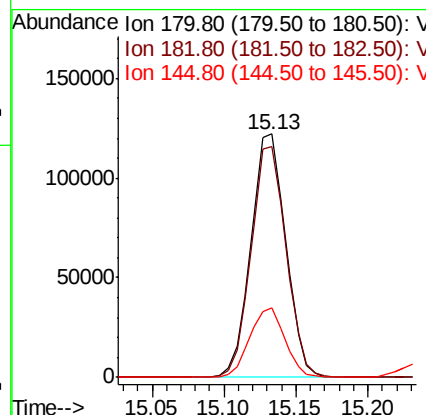
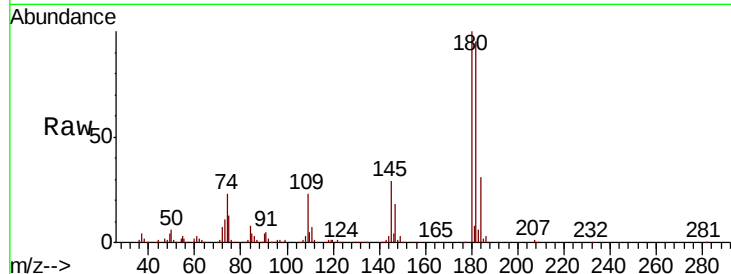




#93
 1,2,4-Trichlorobenzene
 Concen: 22.194 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014598.D
 Acq: 10 Jan 2020 14:40

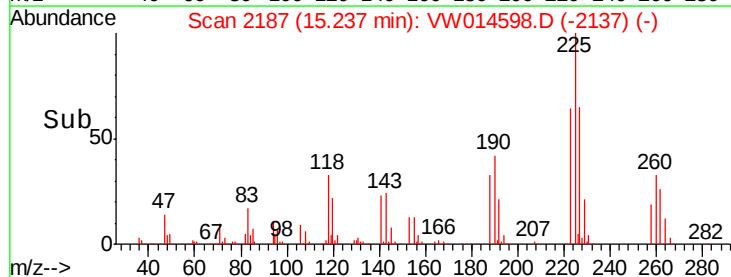
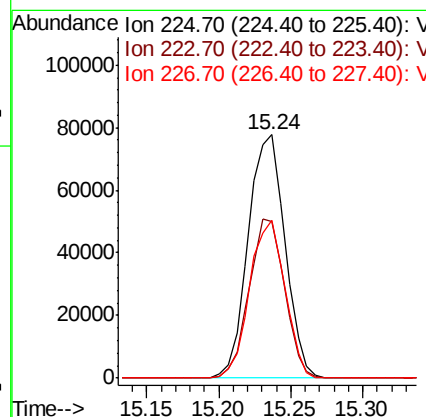
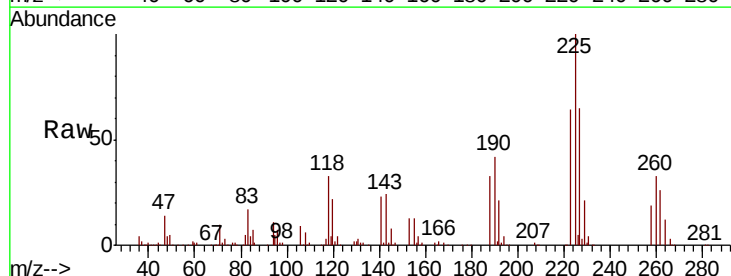
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD01

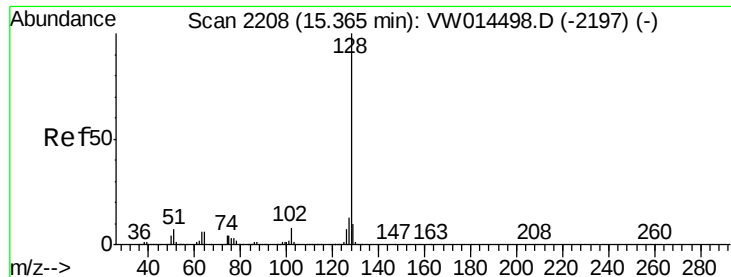
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	141.8
145	28.9	14.7	44.1



#94
 Hexachlorobutadiene
 Concen: 22.295 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW014598.D
 Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.4	97.2
227	62.1	32.6	97.8

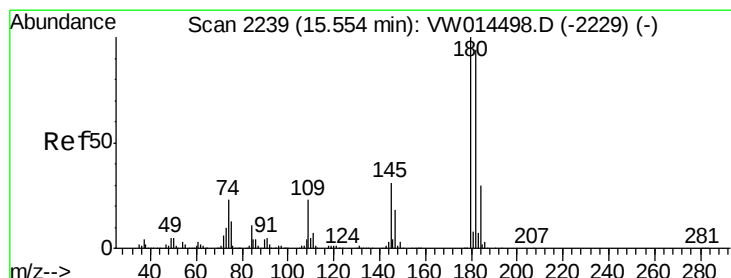
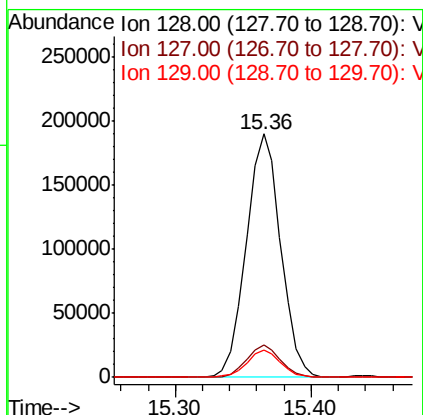
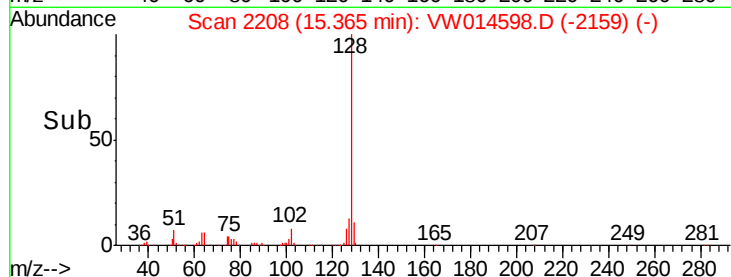
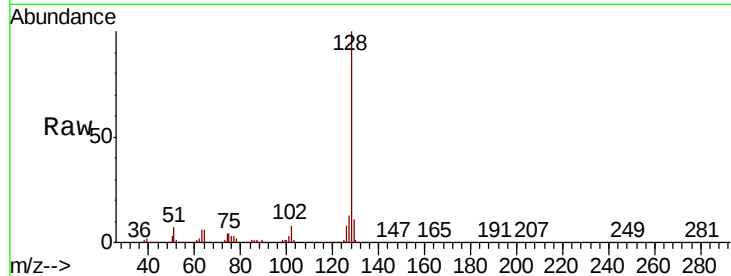




#95
Naphthalene
Concen: 21.463 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

Tot Ion:128 Resp: 335577
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.603 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW014598.D
Acq: 10 Jan 2020 14:40

Tgt Ion:180 Resp: 180618
Ion Ratio Lower Upper
180 100
182 93.7 47.4 142.2
145 30.3 15.5 46.5

