

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011020\
 Data File : VW014597.D
 Acq On : 10 Jan 2020 14:14
 Operator : SY/VA
 Sample : VW0110SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS01

Quant Time: Jan 11 03:58:06 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	743506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1104654	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	930973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	471690	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	305249	46.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.92%	
35) Dibromofluoromethane	7.88	113	305304	48.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.72%	
50) Toluene-d8	10.32	98	1282374	48.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.34%	
62) 4-Bromofluorobenzene	12.62	95	432410	48.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	90331	21.518	ug/l	99
3) Chloromethane	2.21	50	115197	22.419	ug/l	100
4) Vinyl Chloride	2.35	62	171280	22.663	ug/l	98
5) Bromomethane	2.76	94	105462	22.589	ug/l	99
6) Chloroethane	2.91	64	96076	22.301	ug/l	98
7) Trichlorofluoromethane	3.25	101	79043	20.903	ug/l	97
8) Diethyl Ether	3.67	74	76681	20.381	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	155978	22.076	ug/l	99
10) Methyl Iodide	4.26	142	220157	20.652	ug/l	99
11) Tert butyl alcohol	5.15	59	52286	89.605	ug/l	99
12) 1,1-Dichloroethene	4.03	96	160390	21.677	ug/l	98
13) Acrolein	3.89	56	52081	91.793	ug/l	100
14) Allyl chloride	4.66	41	241617	21.369	ug/l	99
15) Acrylonitrile	5.35	53	181423	105.492	ug/l	98
16) Acetone	4.11	43	183650	100.052	ug/l	98
17) Carbon Disulfide	4.38	76	467907	20.982	ug/l	99
18) Methyl Acetate	4.66	43	94275	21.266	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	196862	21.434	ug/l	100
20) Methylene Chloride	4.91	84	178810	21.510	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	168968	21.507	ug/l	97
22) Diisopropyl ether	6.31	45	457376	21.612	ug/l	99
23) Vinyl Acetate	6.24	43	1278582	100.048	ug/l	100
24) 1,1-Dichloroethane	6.21	63	284382	21.303	ug/l	99
25) 2-Butanone	7.17	43	236406	100.359	ug/l	98
26) 2,2-Dichloropropane	7.16	77	157985	21.375	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	175465	21.255	ug/l	98
28) Bromochloromethane	7.51	49	86626	16.551	ug/l	97
29) Tetrahydrofuran	7.52	42	146129	100.135	ug/l	99
30) Chloroform	7.67	83	270681	21.683	ug/l	97
31) Cyclohexane	7.95	56	293735	21.172	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	217734	21.686	ug/l	99
36) 1,1-Dichloropropene	8.08	75	232290	21.813	ug/l	99
37) Ethyl Acetate	7.24	43	99904	20.685	ug/l	98
38) Carbon Tetrachloride	8.07	117	201666	21.828	ug/l	98

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 ALS Vial : 8 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VW0110SBS01

Quant Time: Jan 11 03:58:06 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)
39) Methylcyclohexane	9.33	83	291811	21.352	ug/l	97
40) Benzene	8.32	78	663760	22.029	ug/l	100
41) Methacrylonitrile	7.48	41	56219	20.881	ug/l	98
42) 1,2-Dichloroethane	8.39	62	168610	21.564	ug/l	99
43) Isopropyl Acetate	8.42	43	175537	20.015	ug/l	98
44) Trichloroethene	9.09	130	178269	21.865	ug/l	96
45) 1,2-Dichloropropane	9.37	63	160639	21.726	ug/l	98
46) Dibromomethane	9.45	93	77489	21.229	ug/l	99
47) Bromodichloromethane	9.64	83	193632	21.487	ug/l	99
48) Methyl methacrylate	9.43	41	85869	20.053	ug/l	98
49) 1,4-Dioxane	9.45	88	29237	428.258	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	463747	101.822	ug/l	99
52) Toluene	10.38	92	414051	21.843	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	193308	20.718	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	238763	20.938	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	116498	21.853	ug/l	99
56) Ethyl methacrylate	10.64	69	141646	20.445	ug/l	99
57) 1,3-Dichloropropane	10.93	76	198798	21.218	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	190938	90.619	ug/l	99
59) 2-Hexanone	10.96	43	326407	104.002	ug/l	100
60) Dibromochloromethane	11.13	129	125340	20.838	ug/l	99
61) 1,2-Dibromoethane	11.23	107	104949	20.740	ug/l	99
64) Tetrachloroethene	10.86	164	163168	24.209	ug/l	99
65) Chlorobenzene	11.65	112	419813	22.011	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	140190	21.831	ug/l	100
67) Ethyl Benzene	11.73	91	769837	22.397	ug/l	100
68) m/p-Xylenes	11.83	106	593015	45.079	ug/l	100
69) o-Xylene	12.16	106	270117	22.229	ug/l	100
70) Styrene	12.18	104	461621	22.460	ug/l	100
71) Bromoform	12.35	173	73172	20.890	ug/l #	98
73) Isopropylbenzene	12.46	105	750720	21.691	ug/l	100
74) N-amyl acetate	12.27	43	155300	20.012	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	128742	20.609	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	164393	36.861	ug/l #	100
77) Bromobenzene	12.74	156	172567	21.468	ug/l	99
78) n-propylbenzene	12.80	91	900756	22.133	ug/l	99
79) 2-Chlorotoluene	12.89	91	505210	21.814	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	639826	22.017	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	39422	19.695	ug/l	94
82) 4-Chlorotoluene	12.99	91	525612	21.844	ug/l	100
83) tert-Butylbenzene	13.21	119	546843	21.493	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	633590	21.909	ug/l	100
85) sec-Butylbenzene	13.38	105	770767	21.886	ug/l	100
86) p-Isopropyltoluene	13.49	119	707383	22.037	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	338937	21.683	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	336917	21.832	ug/l	100
89) n-Butylbenzene	13.82	91	650643	21.827	ug/l	100
90) Hexachloroethane	14.09	117	116497	20.774	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	298976	21.761	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19068	19.275	ug/l	97

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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	198012	21.342	ug/l	99
94) Hexachlorobutadiene	15.24	225	138766	22.319	ug/l	97
95) Naphthalene	15.36	128	319192	20.173	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	172931	21.384	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

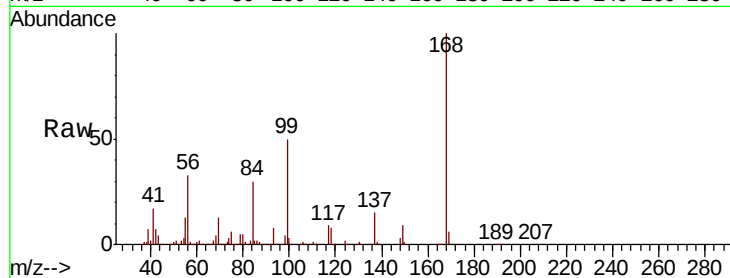
VW0110SBS01

Tot Ion:168 Resp: 743506

Ion Ratio Lower Upper

168 100

99 49.6 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

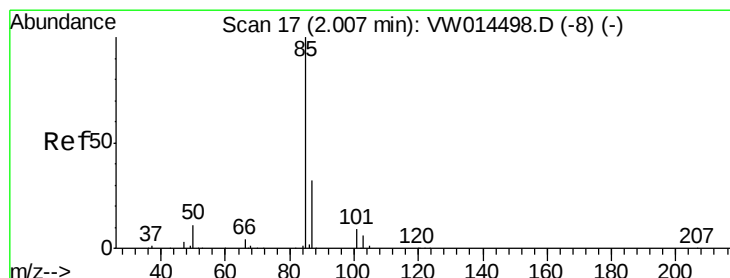
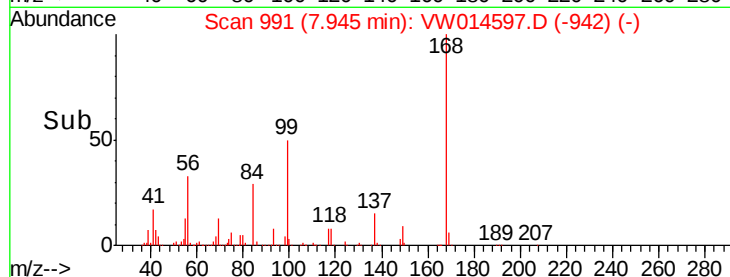
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.518 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014597.D

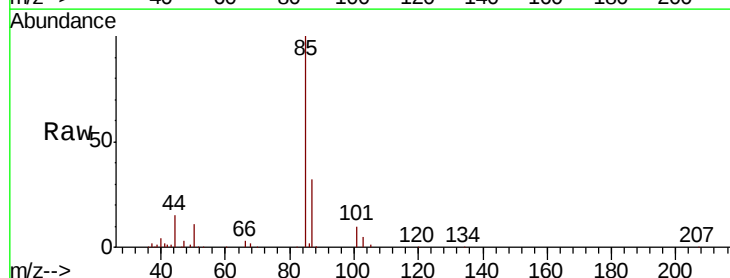
Acq: 10 Jan 2020 14:14

Tgt Ion: 85 Resp: 90331

Ion Ratio Lower Upper

85 100

87 32.0 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

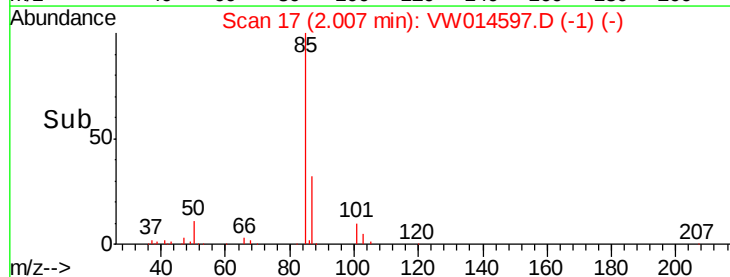
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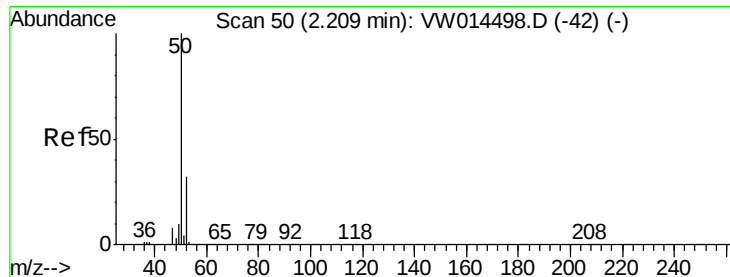
20000

10000

0

Time-->





#3

Chloromethane

Concen: 22.419 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

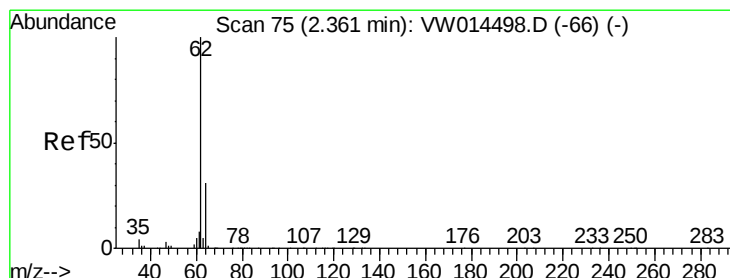
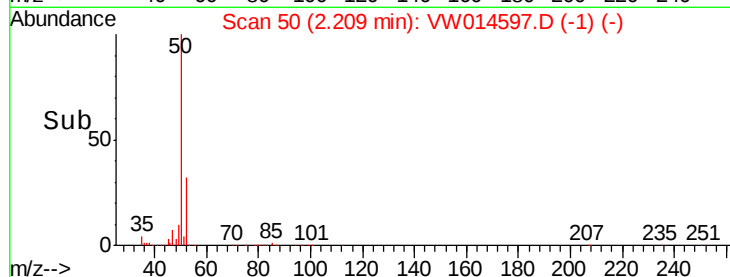
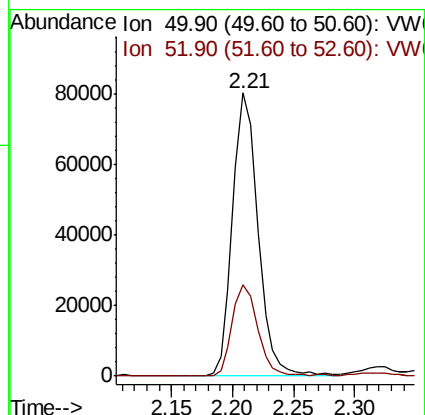
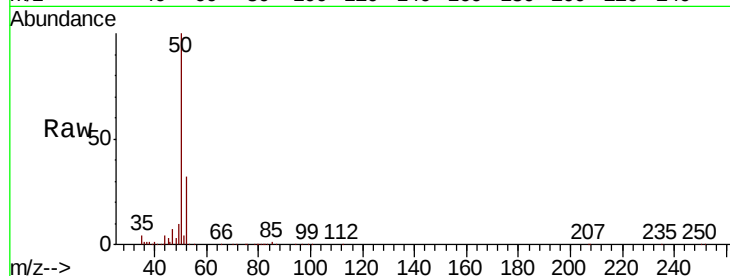
VW0110SBS01

Tot Ion: 50 Resp: 115197

Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.8



#4

Vinyl Chloride

Concen: 22.663 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014597.D

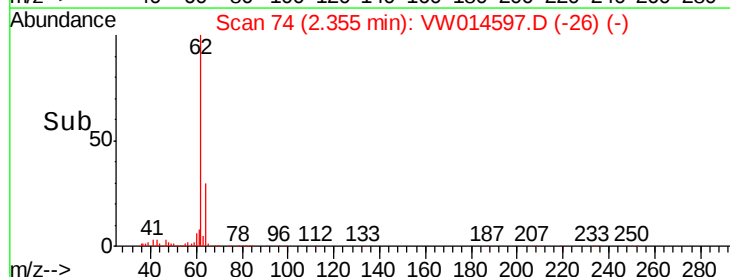
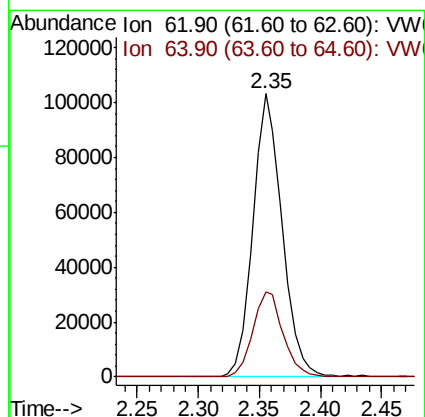
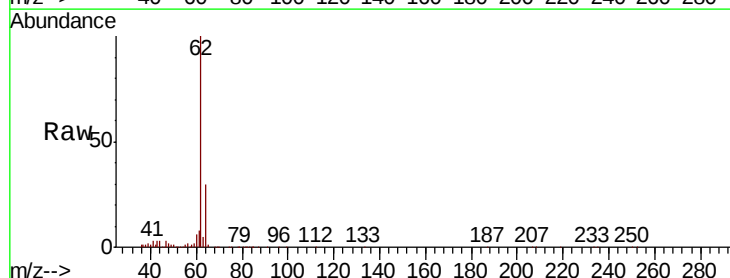
Acq: 10 Jan 2020 14:14

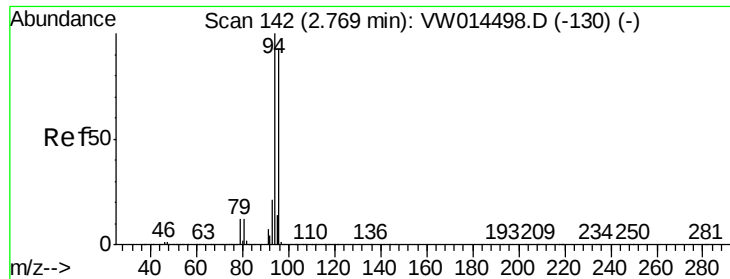
Tgt Ion: 62 Resp: 171280

Ion Ratio Lower Upper

62 100

64 30.0 25.0 37.4





#5

Bromomethane

Concen: 22.589 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

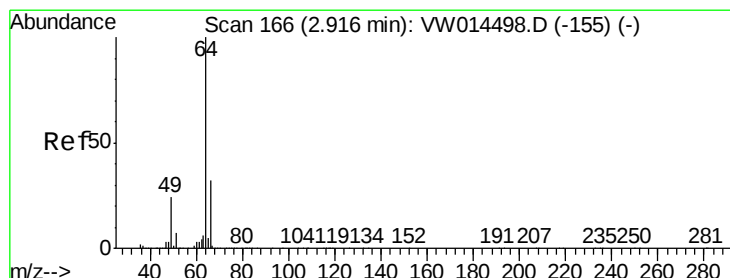
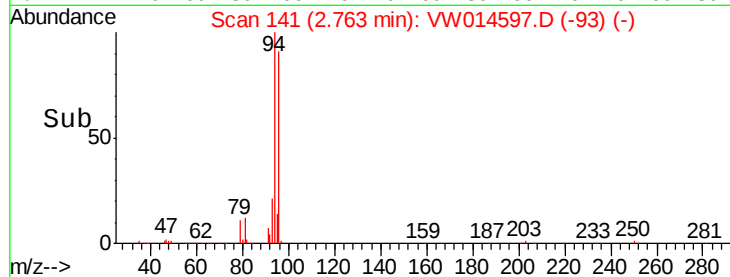
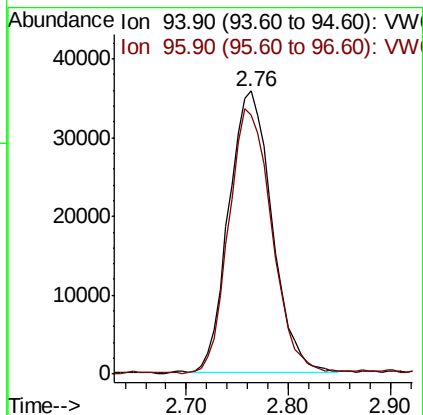
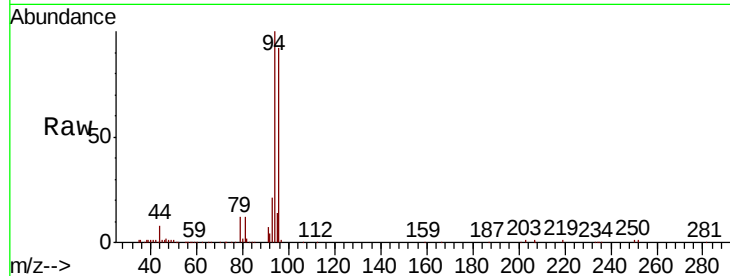
VW0110SBS01

Tot Ion: 94 Resp: 105462

Ion Ratio Lower Upper

94 100

96 91.6 74.2 111.2



#6

Chloroethane

Concen: 22.301 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW014597.D

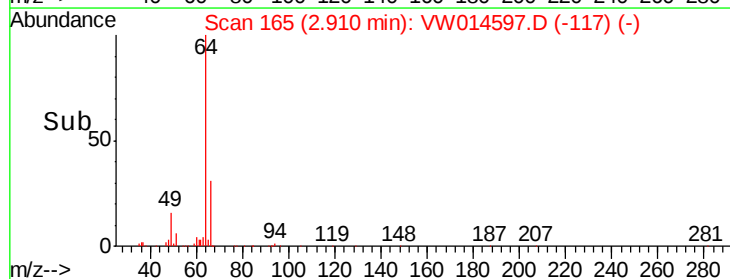
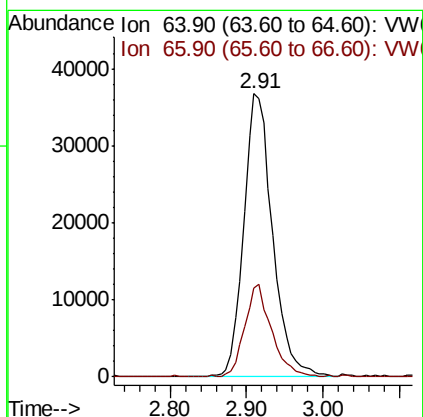
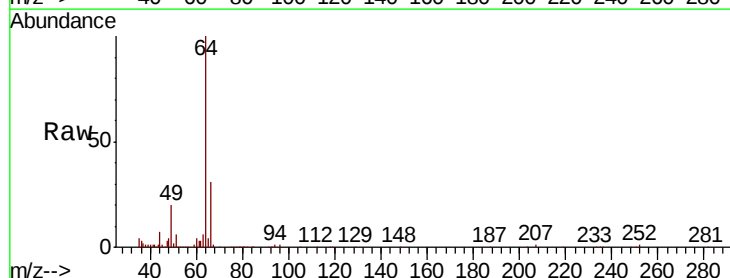
Acq: 10 Jan 2020 14:14

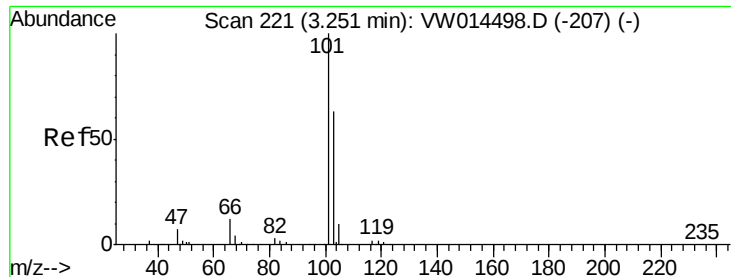
Tgt Ion: 64 Resp: 96076

Ion Ratio Lower Upper

64 100

66 31.1 25.7 38.5



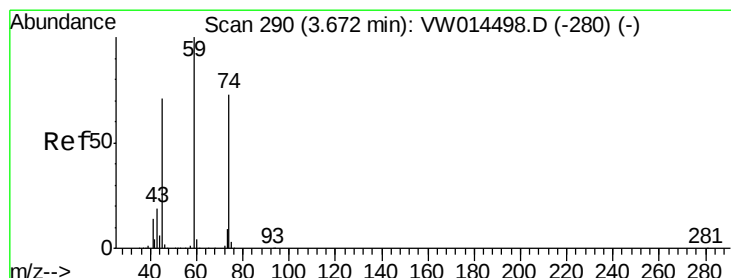
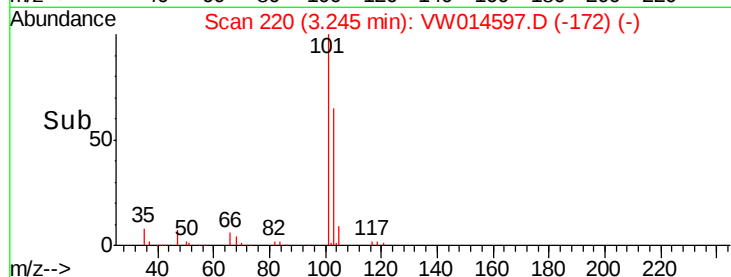
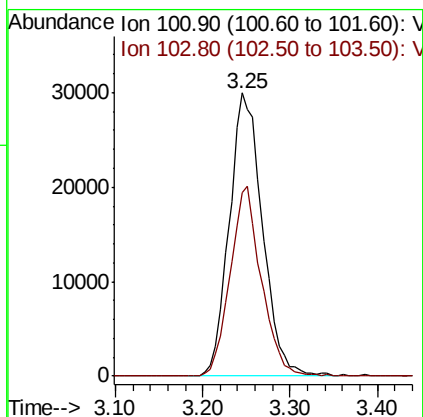
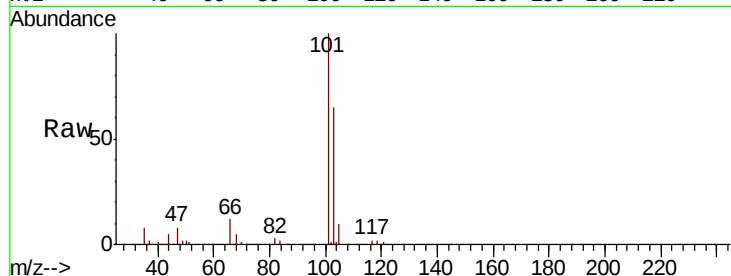


#7

Trichlorofluoromethane
Concen: 20.903 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW014597.D
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MSVOA_W
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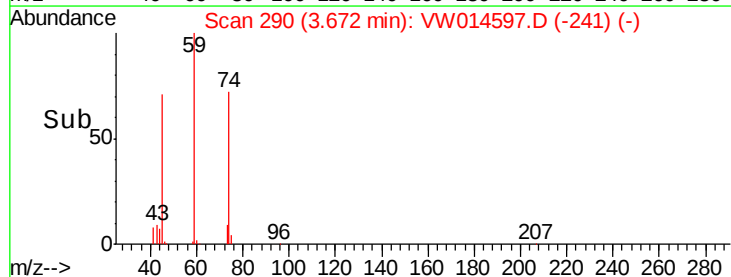
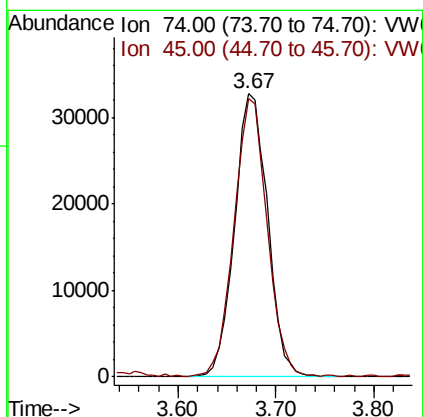
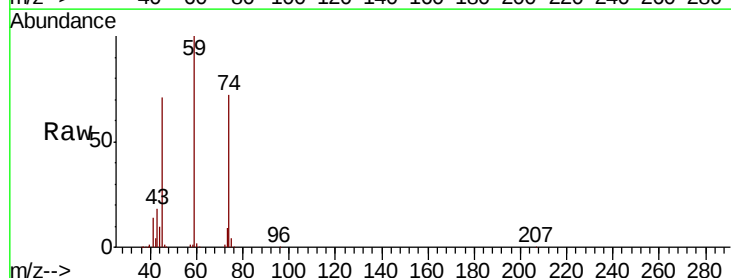
Tot Ion:101 Resp: 79043
Ion Ratio Lower Upper
101 100
103 65.0 50.1 75.1

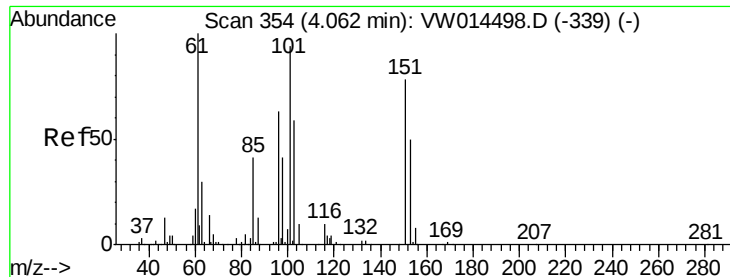


#8

Diethyl Ether
Concen: 20.381 ug/l
RT: 3.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

Tgt Ion: 74 Resp: 76681
Ion Ratio Lower Upper
74 100
45 98.9 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.076 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS01

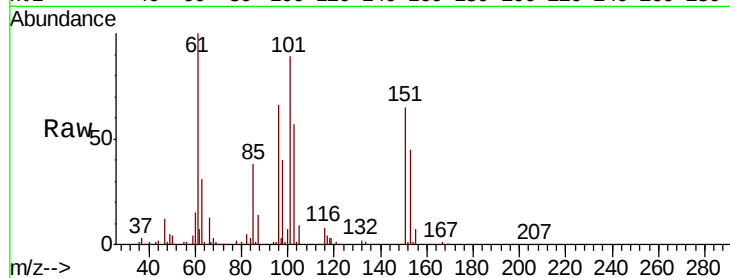
Tot Ion:101 Resp: 155978

Ion Ratio Lower Upper

101 100

85 42.1 33.7 50.5

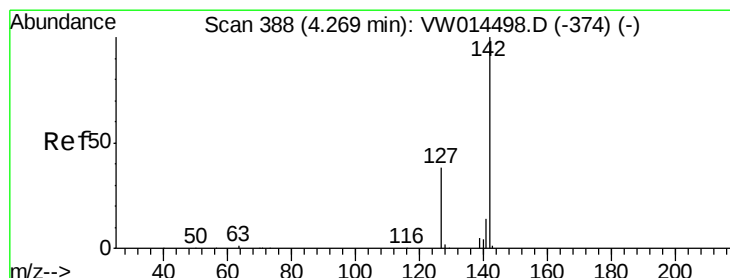
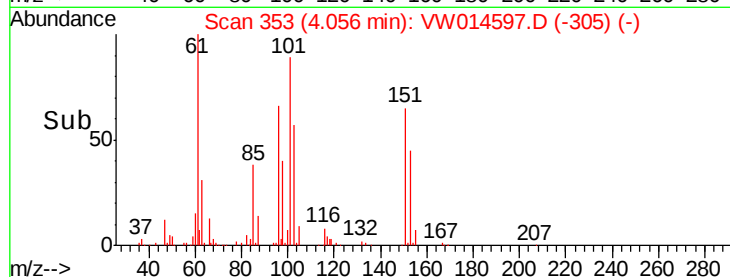
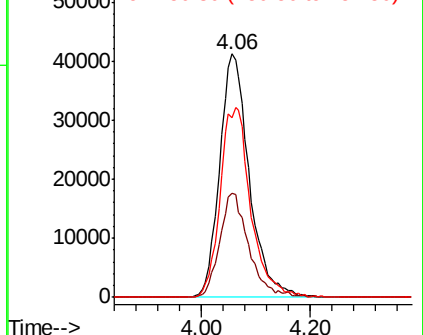
151 80.4 63.5 95.3



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: 20.652 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

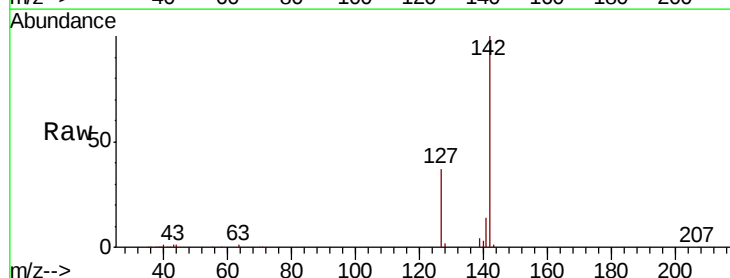
Tgt Ion:142 Resp: 220157

Ion Ratio Lower Upper

142 100

127 38.6 30.2 45.4

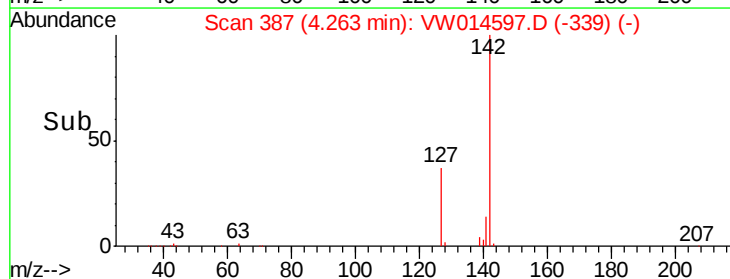
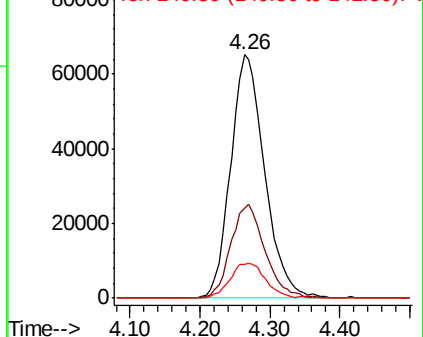
141 14.9 11.4 17.2

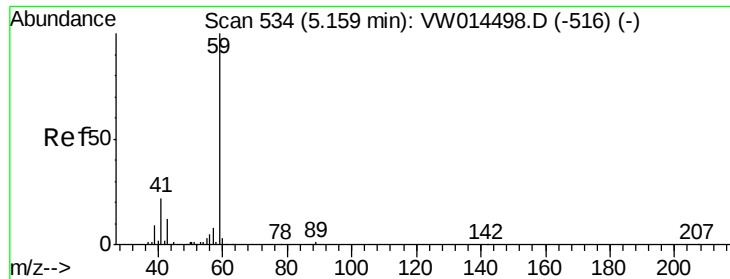


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



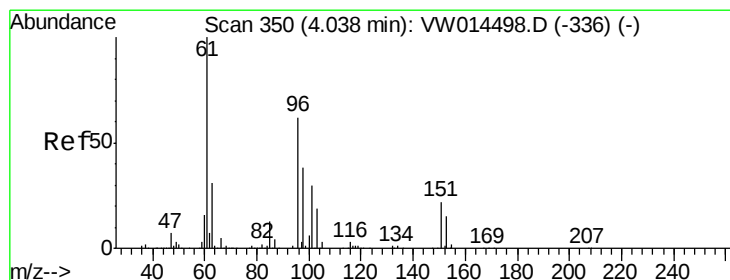
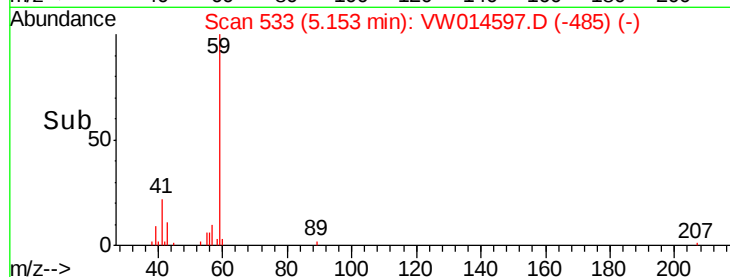
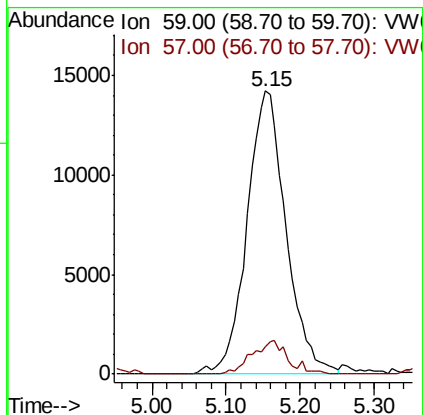
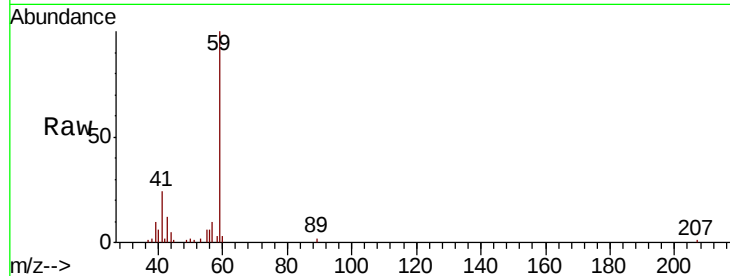


#11

Tert butyl alcohol
 Concen: 89.605 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VW014597.D
 Acq: 10 Jan 2020 14:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS01

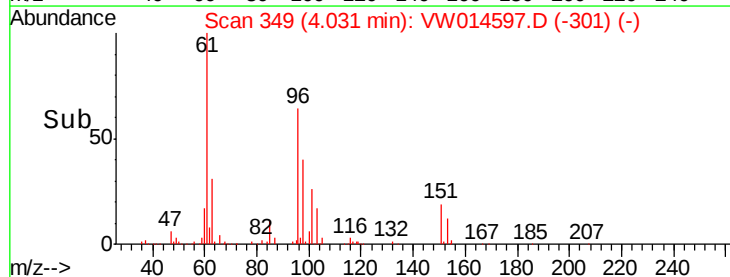
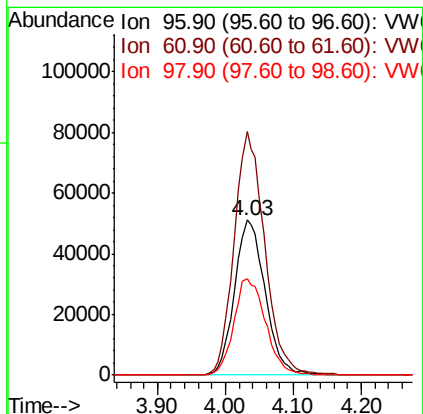
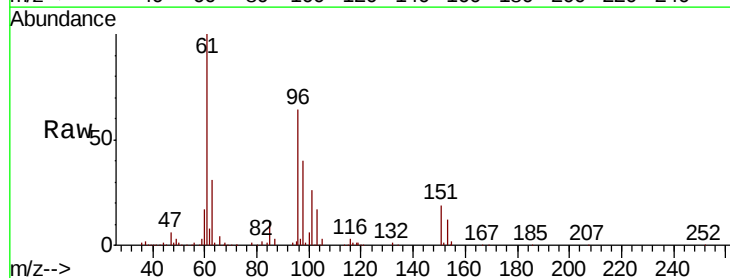
Tot Ion: 59 Resp: 52286
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.8 11.8

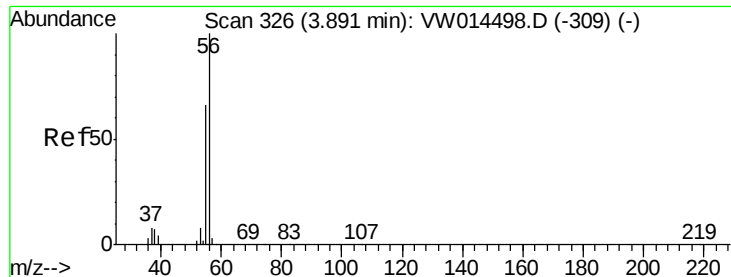


#12

1,1-Dichloroethene
 Concen: 21.677 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW014597.D
 Acq: 10 Jan 2020 14:14

Tgt Ion: 96 Resp: 160390
 Ion Ratio Lower Upper
 96 100
 61 157.4 128.4 192.6
 98 62.7 49.1 73.7





#13

Acrolein

Concen: 91.793 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

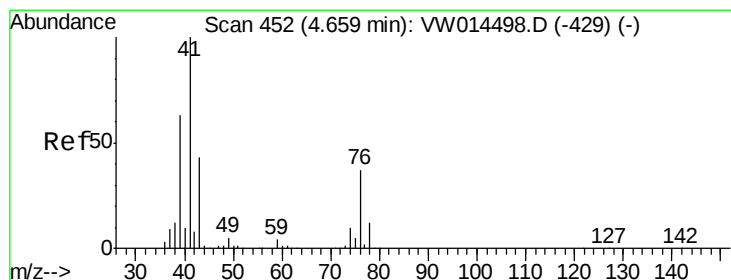
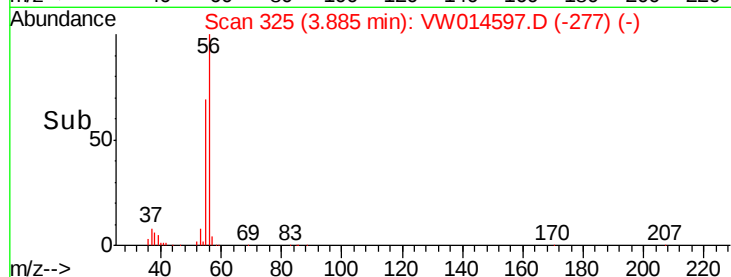
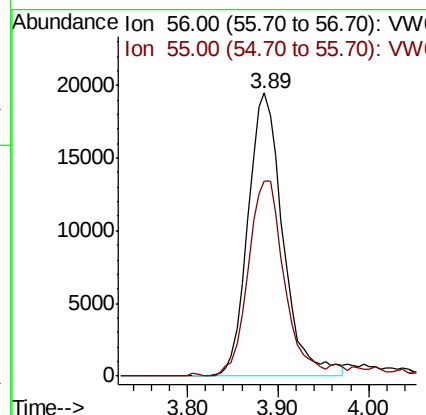
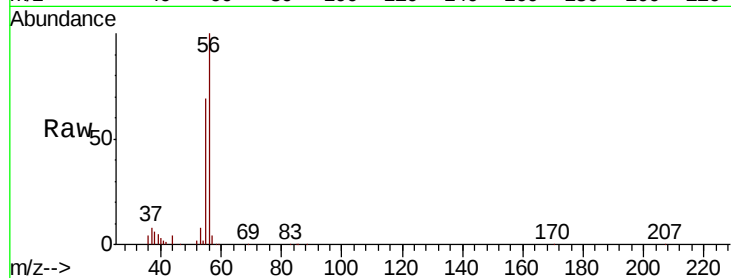
VW0110SBS01

Tot Ion: 56 Resp: 52081

Ion Ratio Lower Upper

56 100

55 70.7 56.7 85.1



#14

Allyl chloride

Concen: 21.369 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

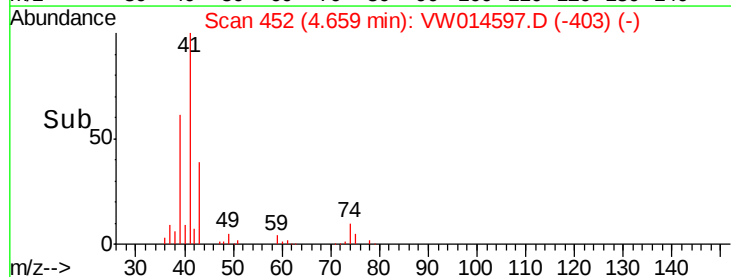
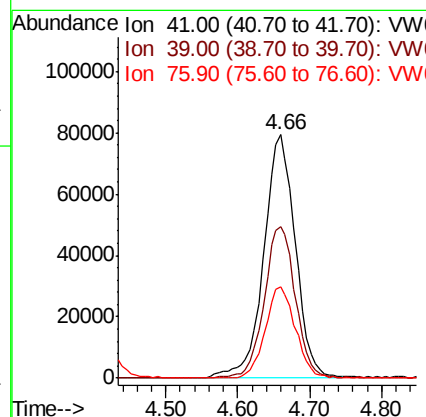
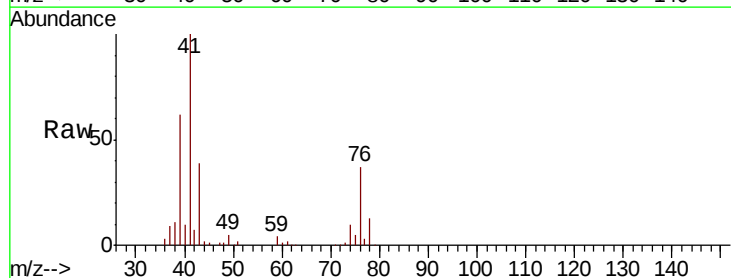
Tgt Ion: 41 Resp: 241617

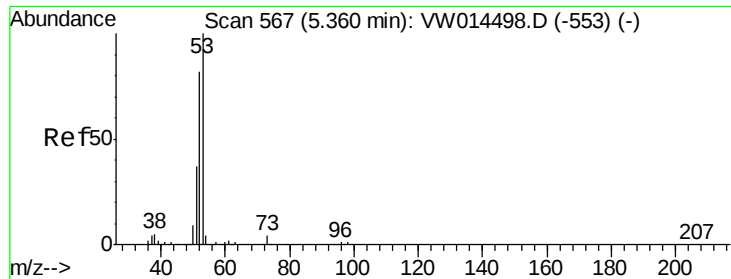
Ion Ratio Lower Upper

41 100

39 61.5 48.5 72.7

76 35.8 28.1 42.1





#15

Acrylonitrile

Concen: 105.492 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS01

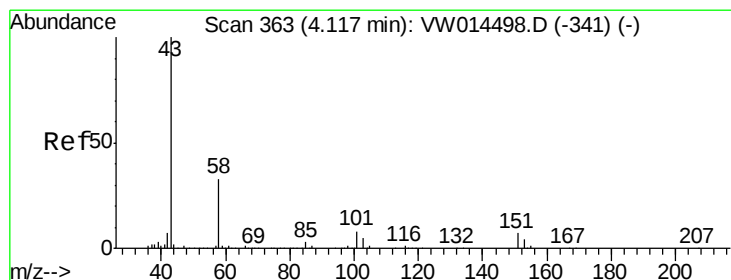
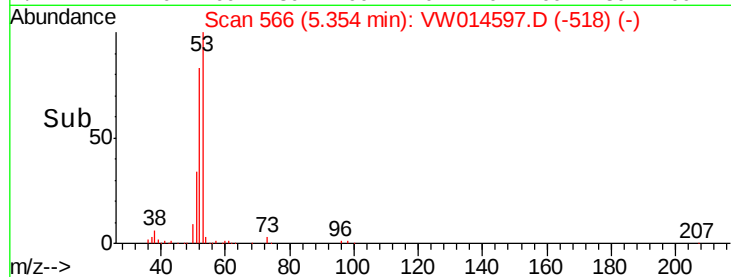
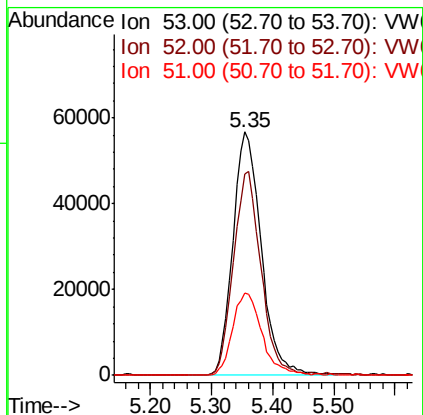
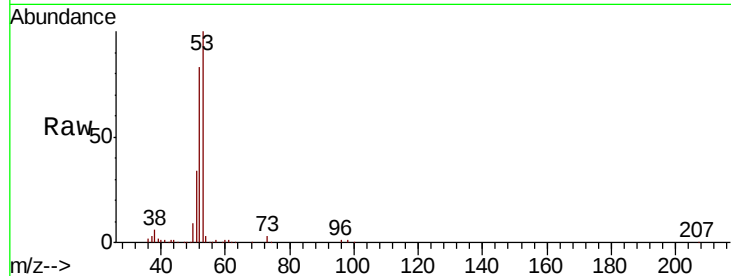
Tot Ion: 53 Resp: 181423

Ion Ratio Lower Upper

53 100

52 80.9 66.5 99.7

51 35.1 28.4 42.6



#16

Acetone

Concen: 100.052 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW014597.D

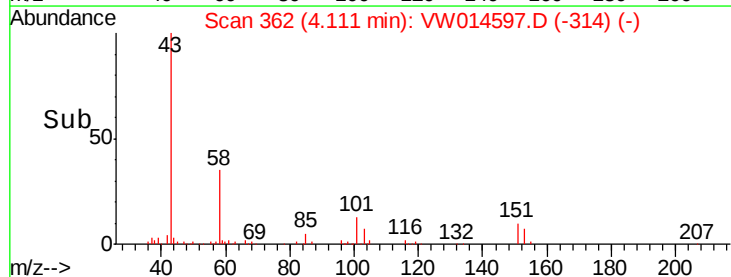
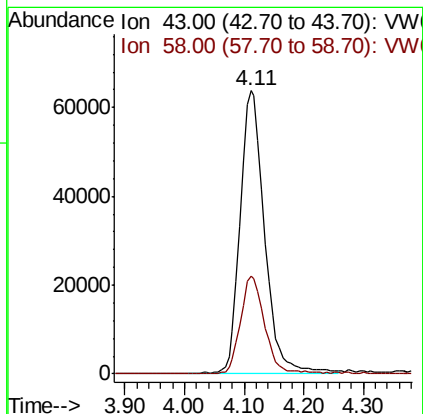
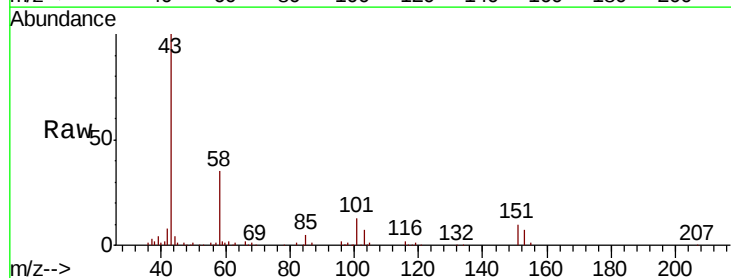
Acq: 10 Jan 2020 14:14

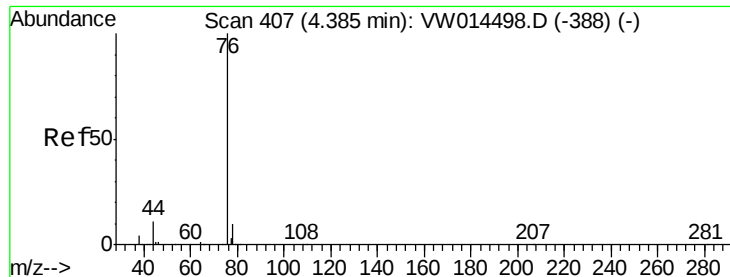
Tgt Ion: 43 Resp: 183650

Ion Ratio Lower Upper

43 100

58 34.6 26.6 39.8





#17

Carbon Disulfide

Concen: 20.982 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

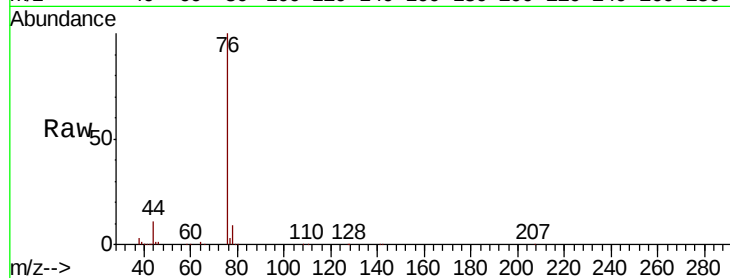
VW0110SBS01

Tot Ion: 76 Resp: 467907

Ion Ratio Lower Upper

76 100

78 9.3 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

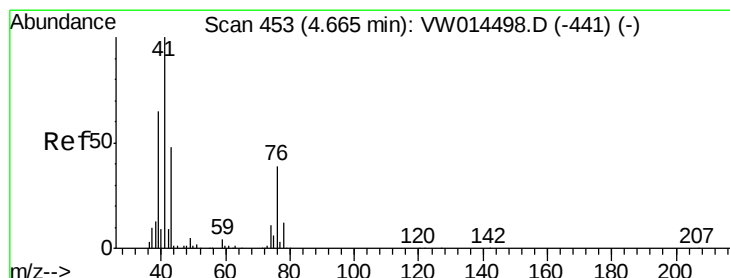
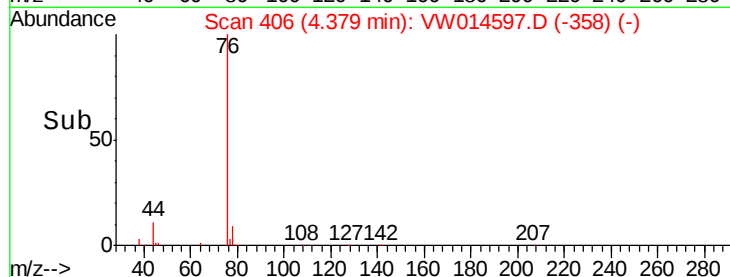
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 21.266 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW014597.D

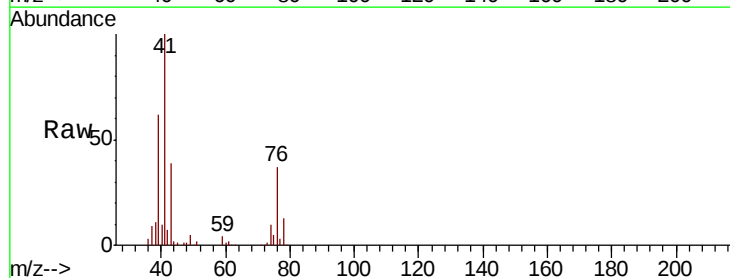
Acq: 10 Jan 2020 14:14

Tgt Ion: 43 Resp: 94275

Ion Ratio Lower Upper

43 100

74 24.6 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

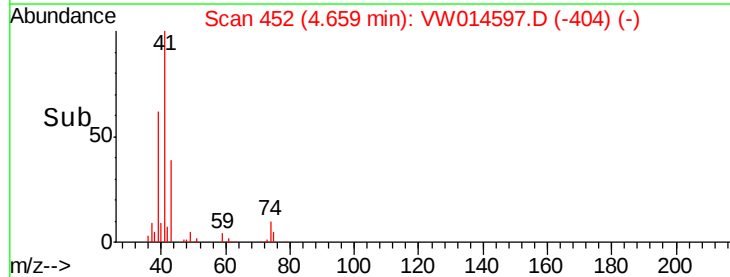
30000

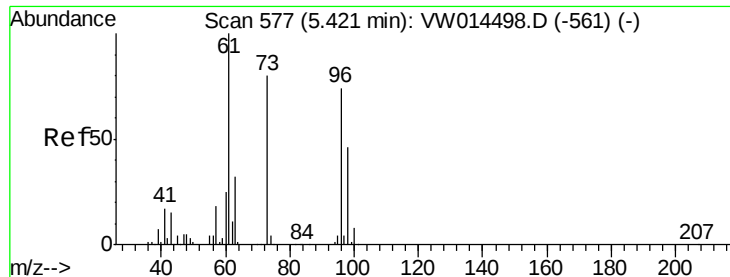
20000

10000

0

Time-->

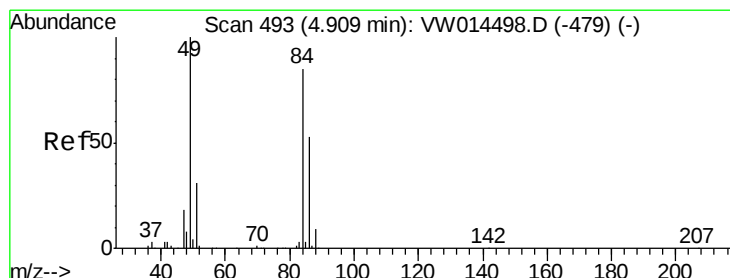
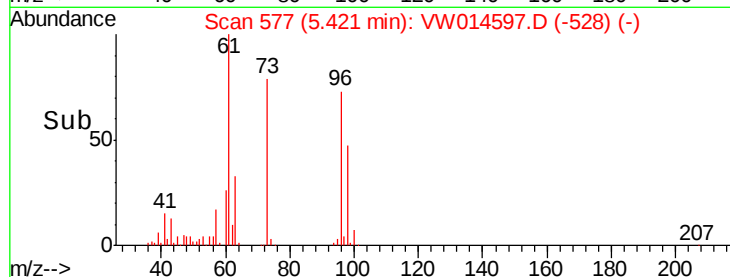
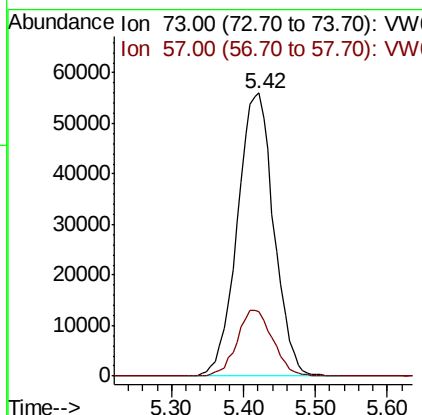
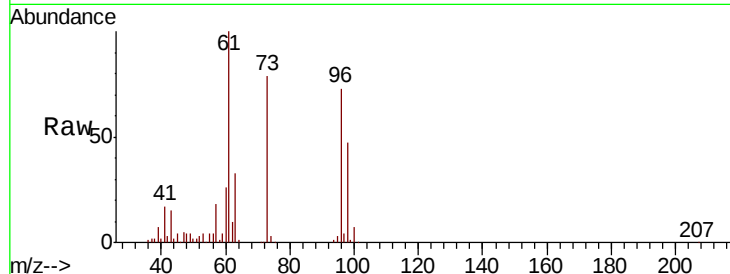




#19
Methyl tert-butyl Ether
Concen: 21.434 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

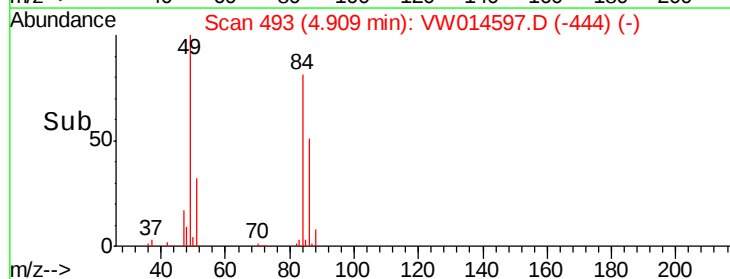
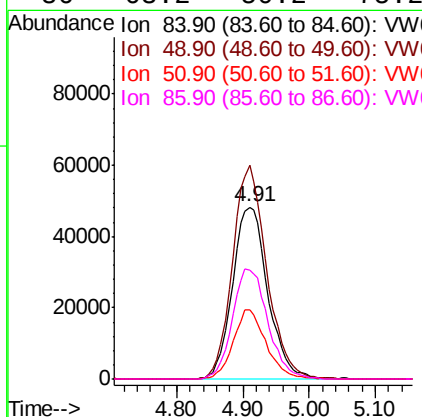
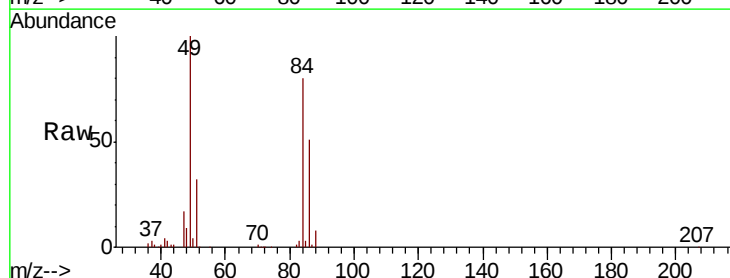
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

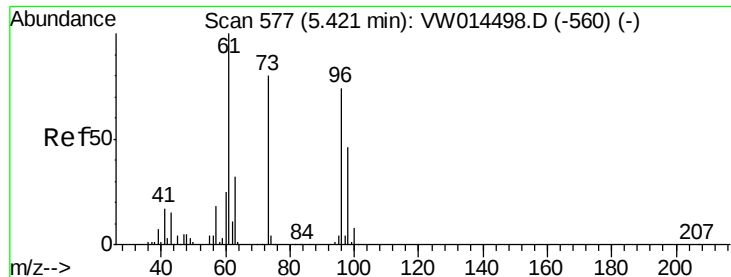
Tot Ion: 73 Resp: 196862
Ion Ratio Lower Upper
73 100
57 22.6 18.1 27.1



#20
Methylene Chloride
Concen: 21.510 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

Tgt Ion: 84 Resp: 178810
Ion Ratio Lower Upper
84 100
49 124.3 94.4 141.6
51 40.3 29.5 44.3
86 63.2 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 21.507 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS01

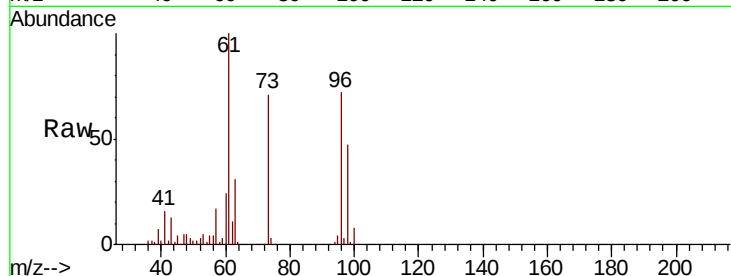
Tot Ion: 96 Resp: 168968

Ion Ratio Lower Upper

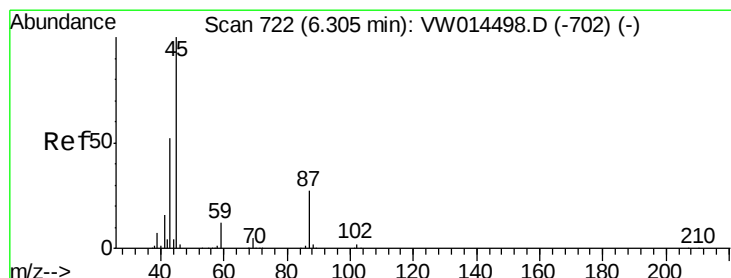
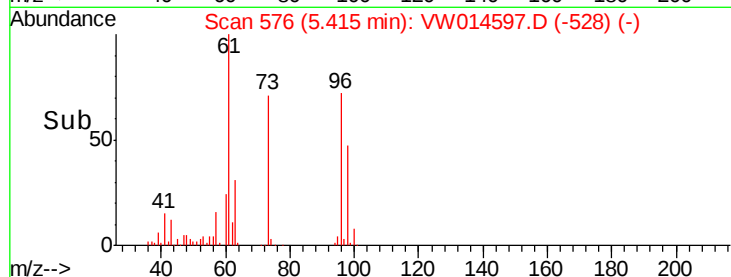
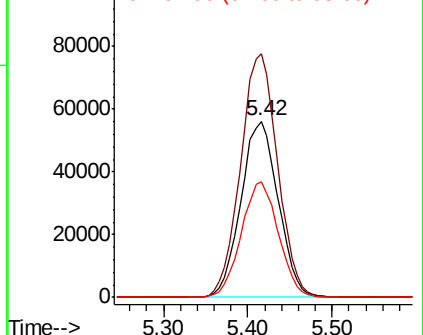
96 100

61 138.0 107.8 161.6

98 65.2 49.4 74.0



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



#22

Diisopropyl ether

Concen: 21.612 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Tgt Ion: 45 Resp: 457376

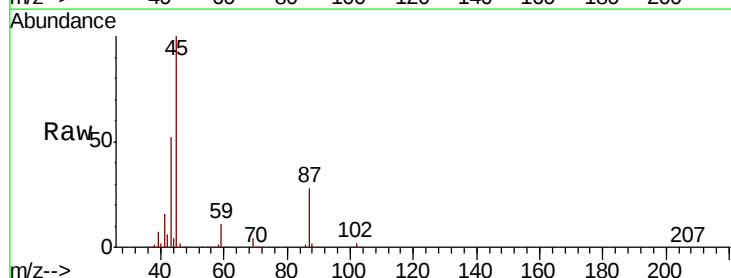
Ion Ratio Lower Upper

45 100

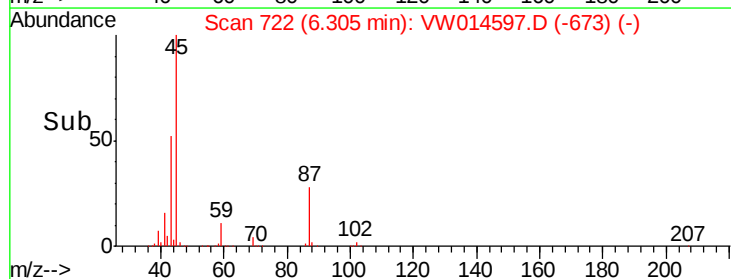
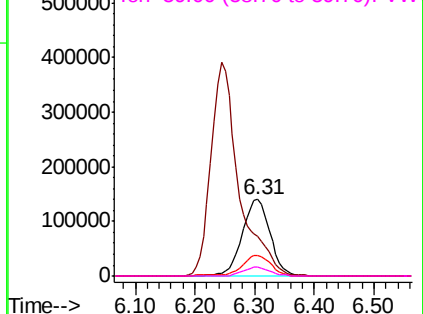
43 51.0 41.4 62.0

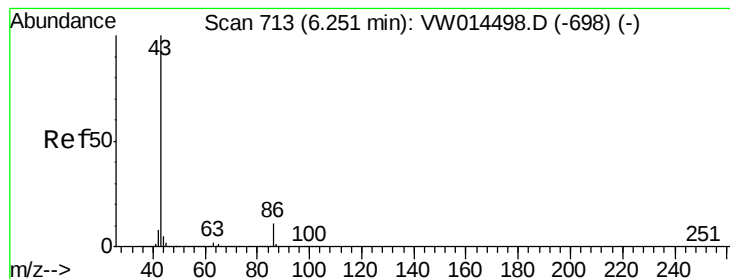
87 27.5 22.2 33.2

59 11.2 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 100.048 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

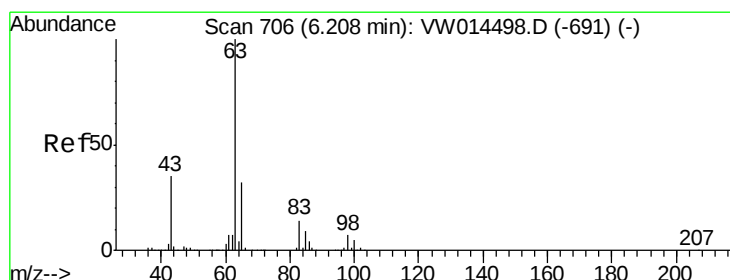
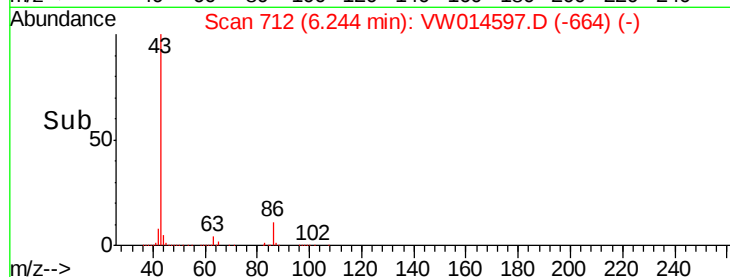
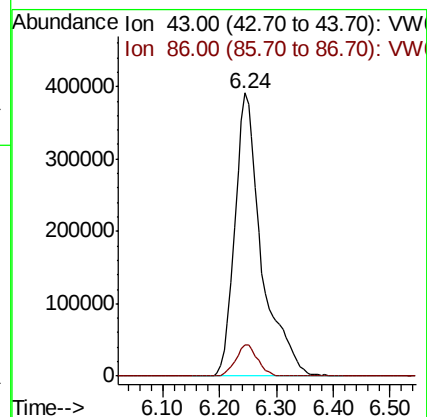
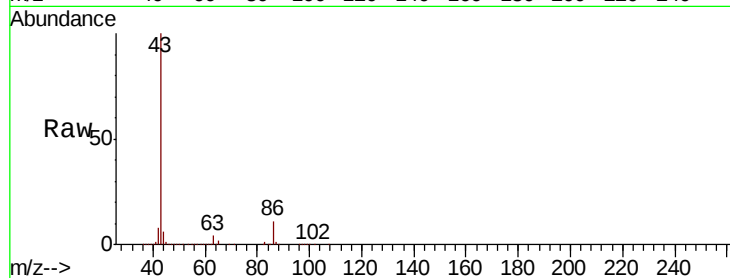
VW0110SBS01

Tot Ion: 43 Resp: 1278582

Ion Ratio Lower Upper

43 100

86 11.1 8.8 13.2



#24

1,1-Dichloroethane

Concen: 21.303 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

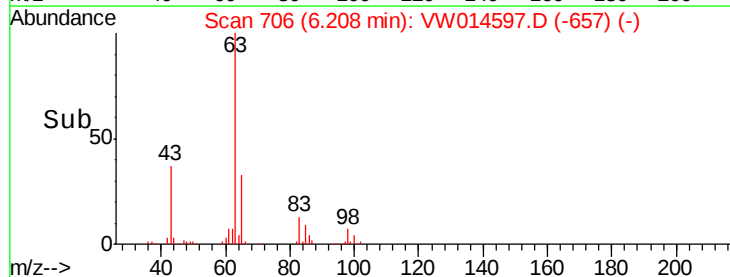
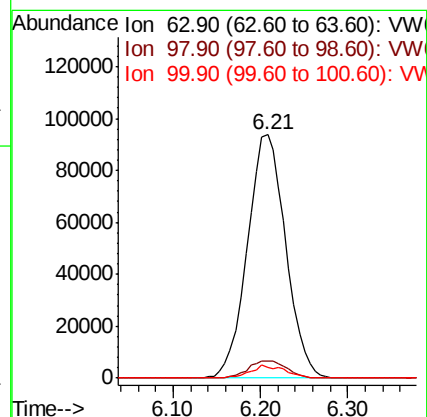
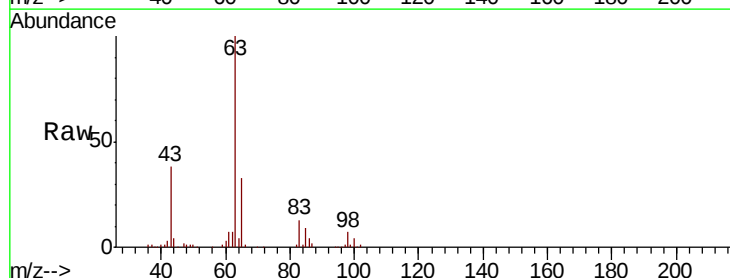
Tgt Ion: 63 Resp: 284382

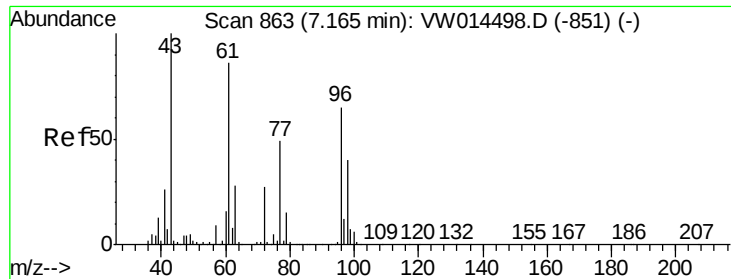
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.5 2.5 7.4

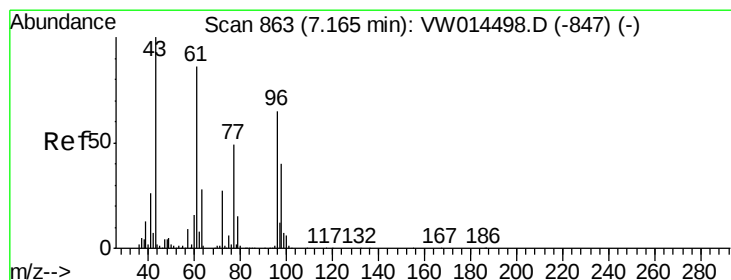
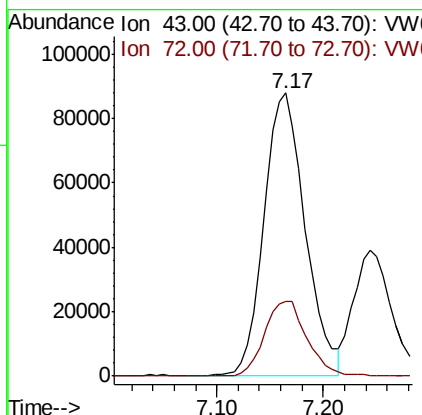
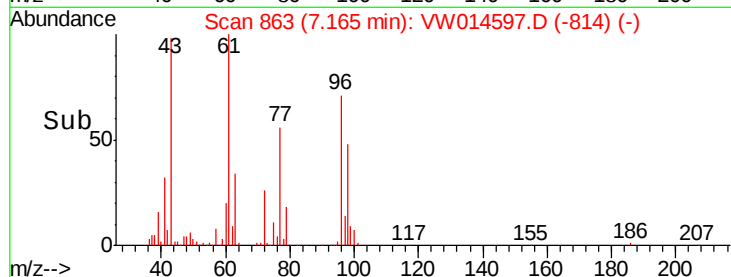
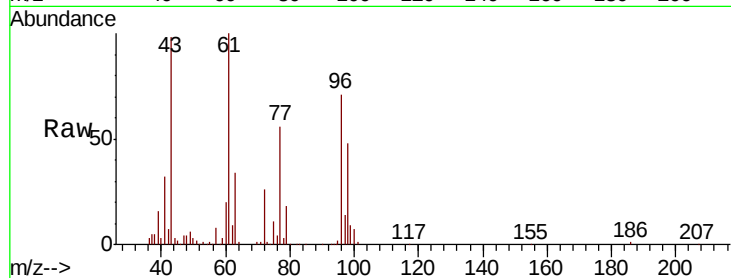




#25
 2-Butanone
 Concen: 100.359 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014597.D
 Acq: 10 Jan 2020 14:14

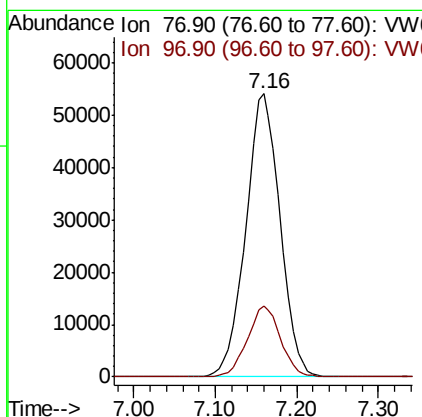
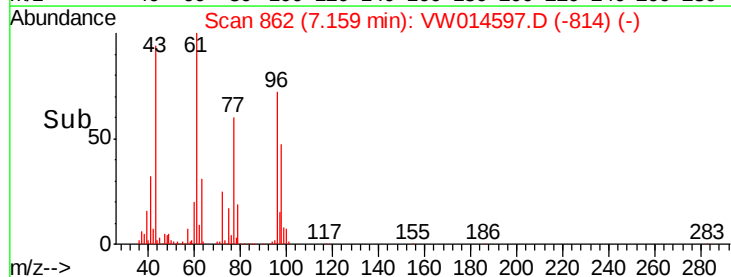
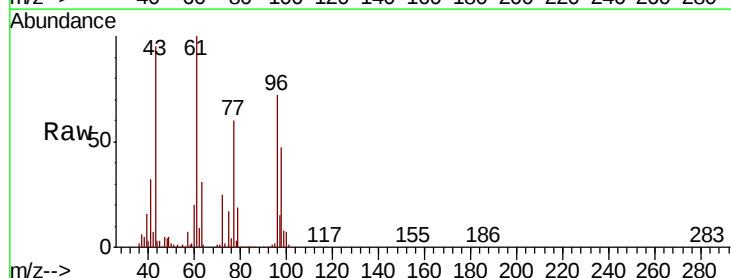
Instrument :
 MSVOA_W
 ClientSampled :
 VW0110SBS01

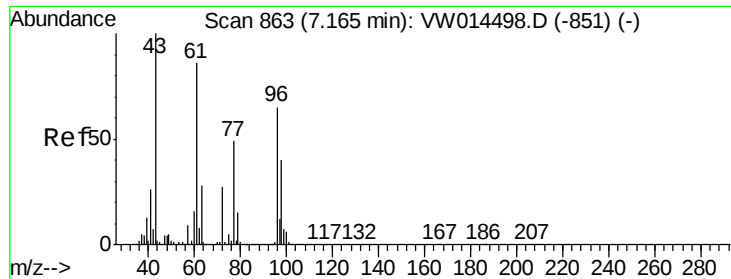
Tot Ion: 43 Resp: 236406
 Ion Ratio Lower Upper
 43 100
 72 26.4 21.9 32.9



#26
 2,2-Dichloropropane
 Concen: 21.375 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW014597.D
 Acq: 10 Jan 2020 14:14

Tgt Ion: 77 Resp: 157985
 Ion Ratio Lower Upper
 77 100
 97 24.2 12.5 37.5



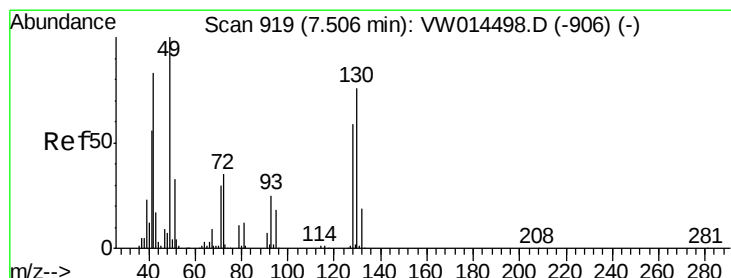
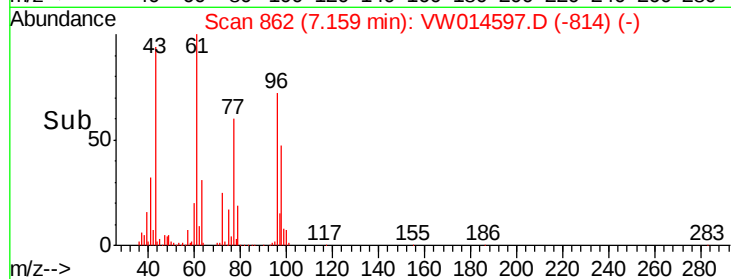
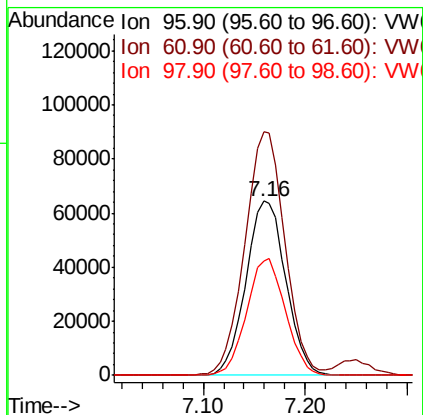
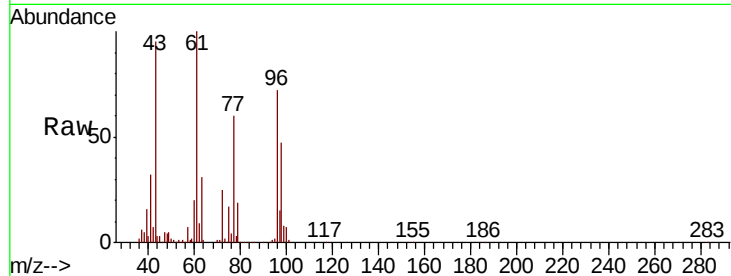


#27

cis-1,2-Dichloroethene
Concen: 21.255 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

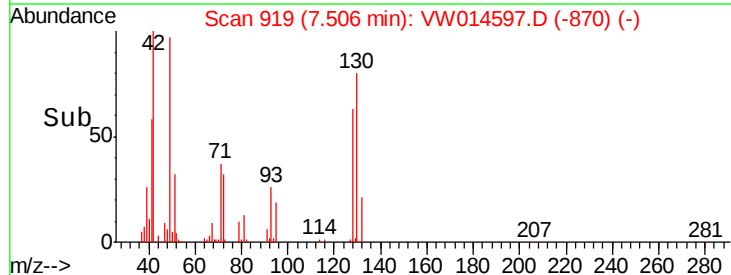
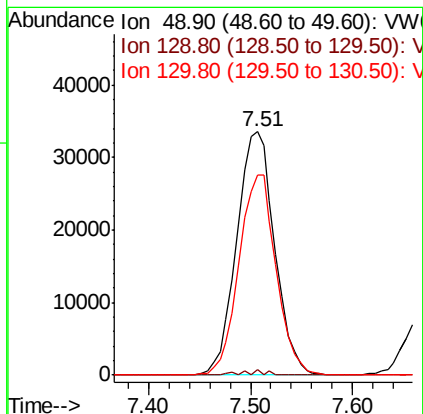
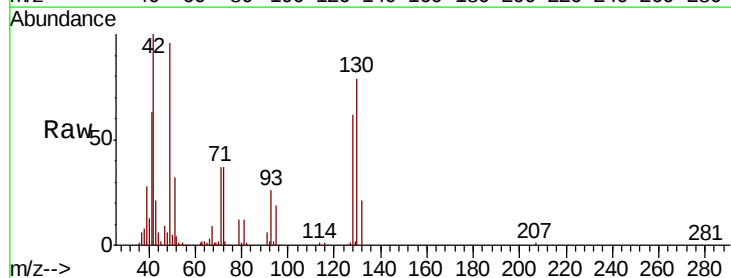
Tot Ion: 96 Resp: 175465
Ion Ratio Lower Upper
96 100
61 139.9 0.0 274.8
98 65.0 0.0 128.6

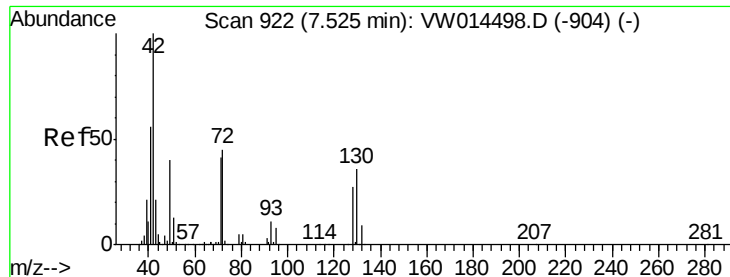


#28

Bromochloromethane
Concen: 16.551 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

Tgt Ion: 49 Resp: 86626
Ion Ratio Lower Upper
49 100
129 0.6 0.0 2.0
130 80.9 62.5 93.7

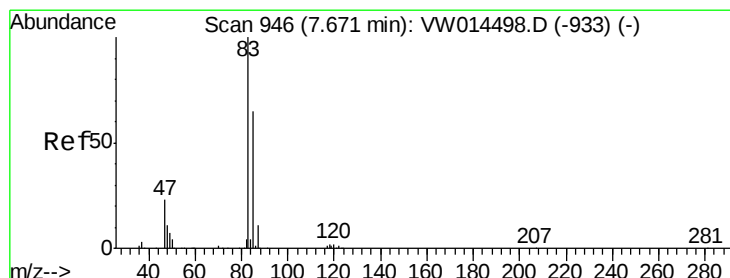
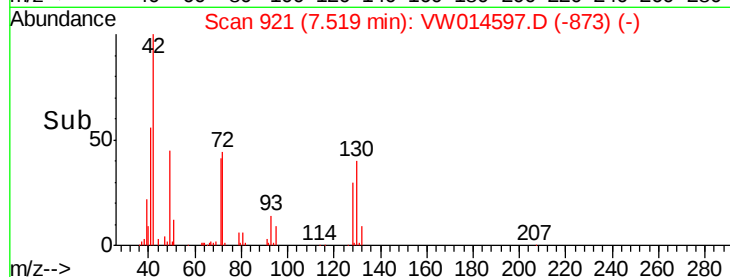
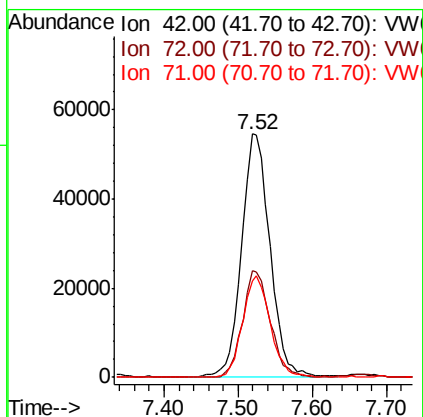
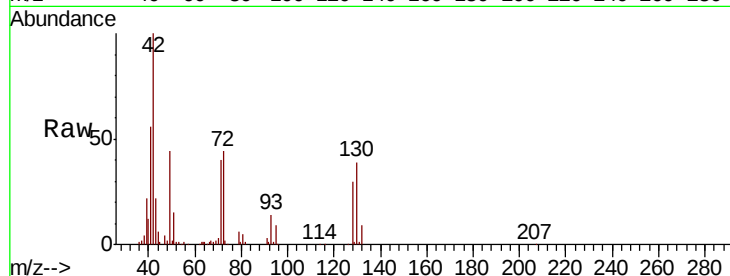




#29
Tetrahydrofuran
Concen: 100.135 ug/l
RT: 7.52 min Scan# 921
Delta R.T. -0.01 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

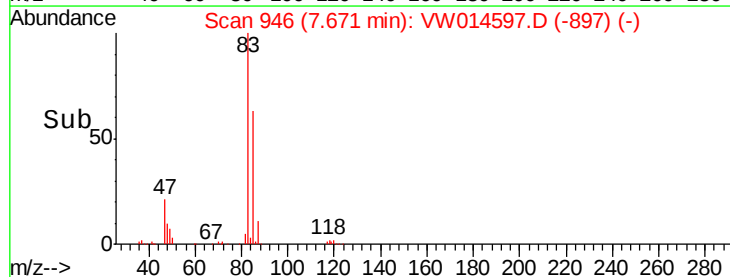
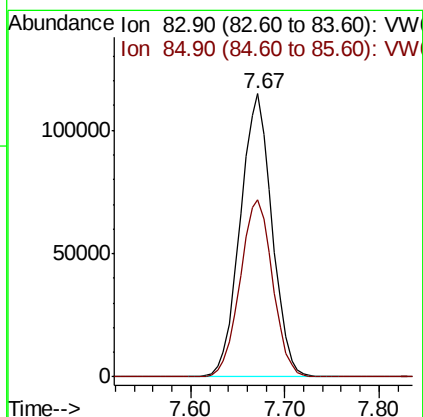
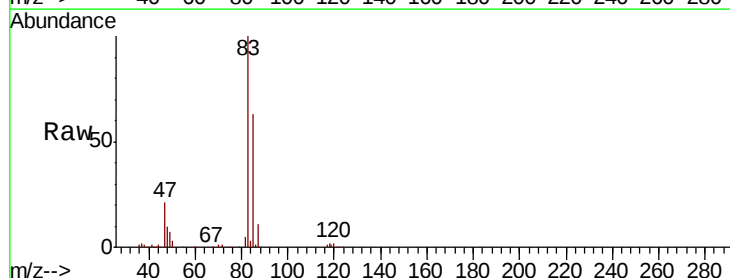
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

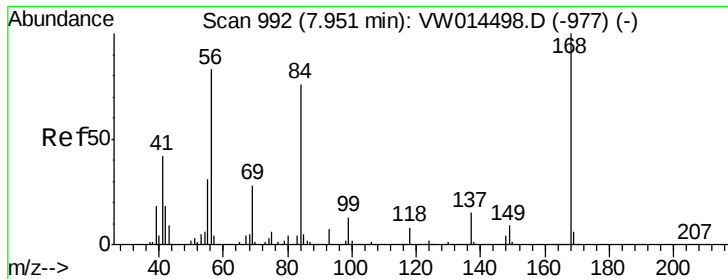
Tot Ion: 42 Resp: 146129
Ion Ratio Lower Upper
42 100
72 42.8 34.5 51.7
71 40.6 32.0 48.0



#30
Chloroform
Concen: 21.683 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

Tgt Ion: 83 Resp: 270681
Ion Ratio Lower Upper
83 100
85 62.7 52.2 78.2

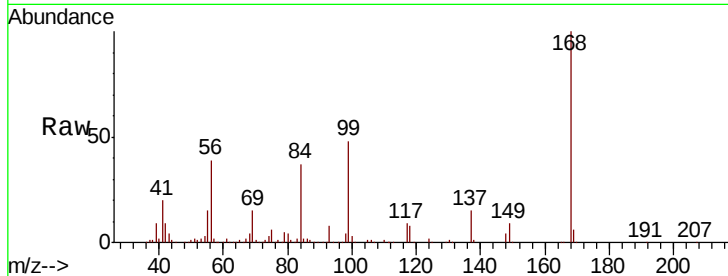




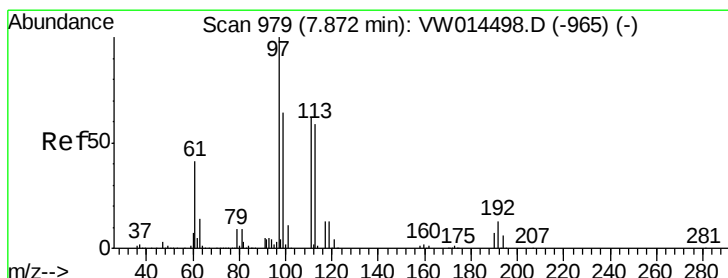
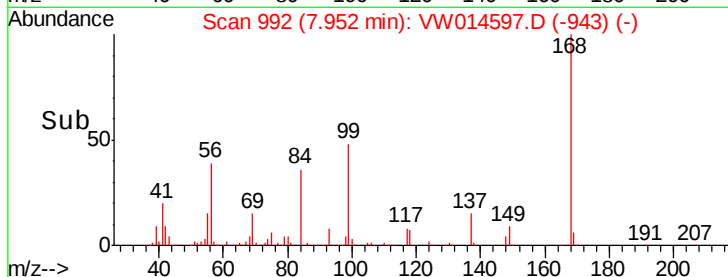
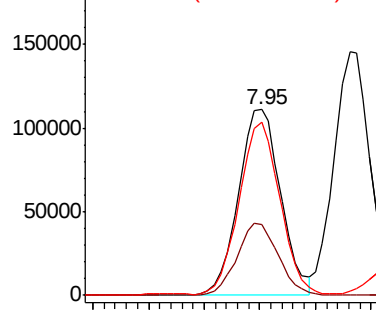
#31
Cyclohexane
Concen: 21.172 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

Tot Ion	56	69	84	Resp	293735
Ion Ratio	100	38.3	92.4	Lower	Upper
		26.8	71.8		
		40.2	107.6		

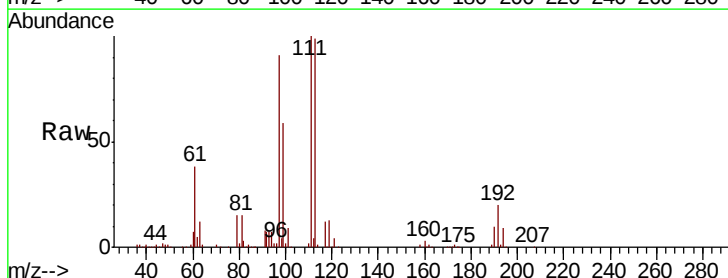


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

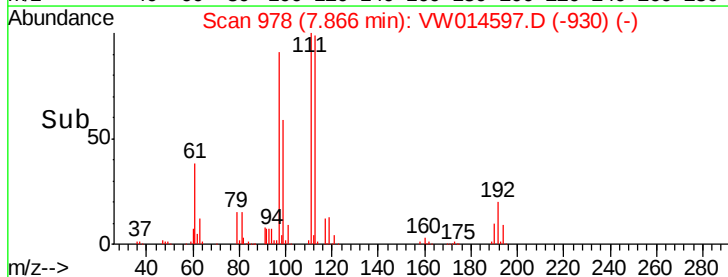
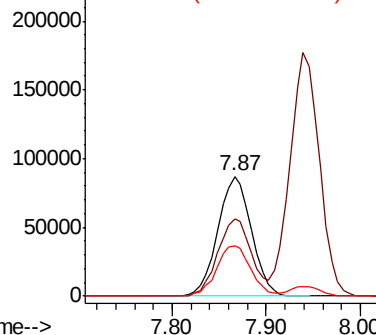


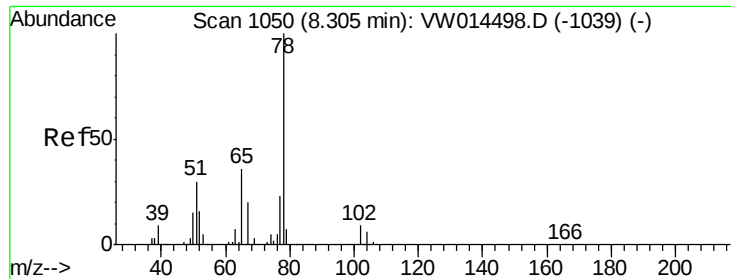
#32
1,1,1-Trichloroethane
Concen: 21.686 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

Tgt Ion	97	99	61	Resp	217734
Ion Ratio	100	65.9	42.7	Lower	Upper
		51.8	33.8		
		77.6	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

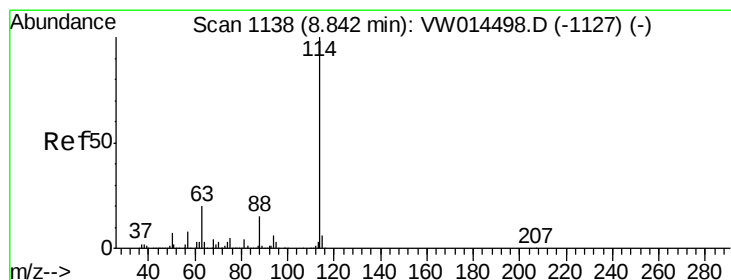
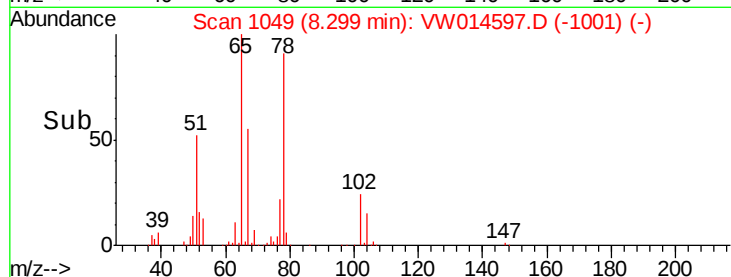
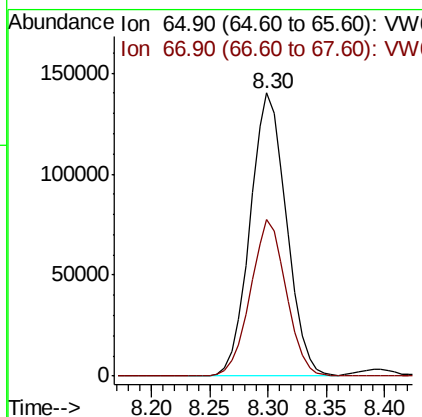
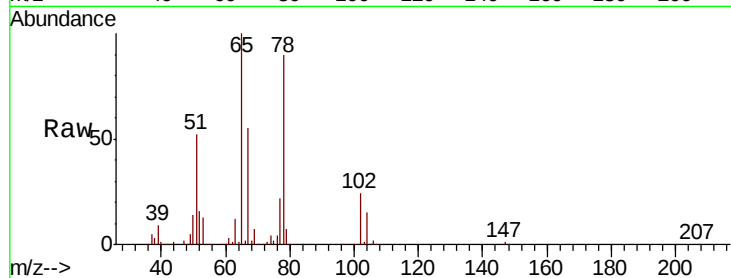




#33
 1,2-Dichloroethane-d4
 Concen: 46.957 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014597.D
 Acq: 10 Jan 2020 14:14

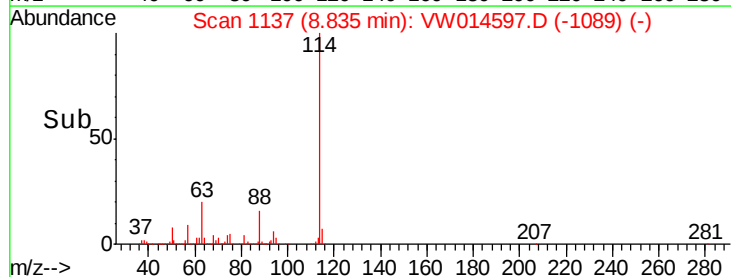
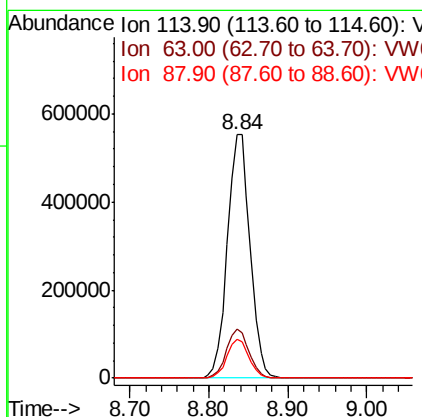
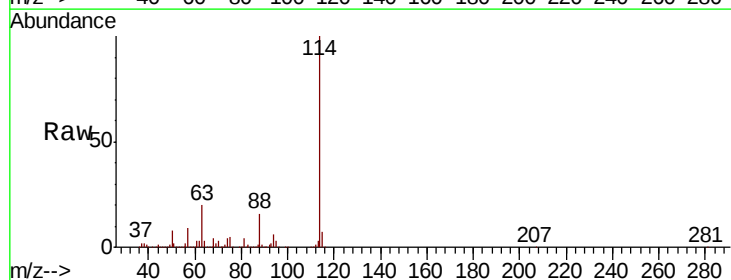
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS01

Tot Ion: 65 Resp: 305249
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW014597.D
 Acq: 10 Jan 2020 14:14

Tgt Ion: 114 Resp: 1104654
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.4
 88 15.8 0.0 30.6

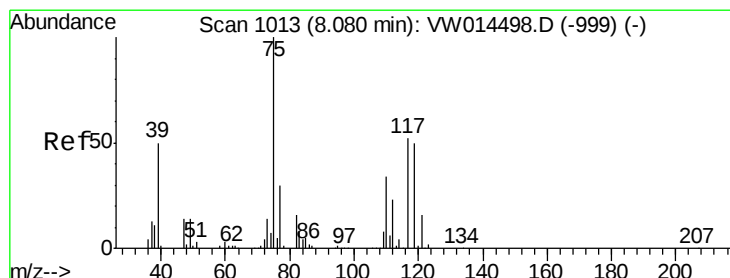
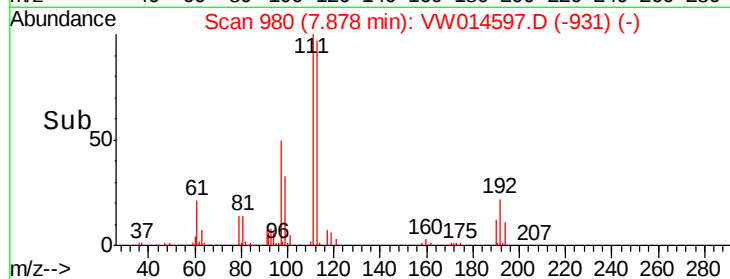
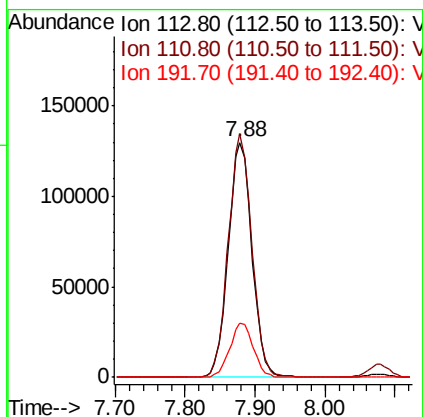
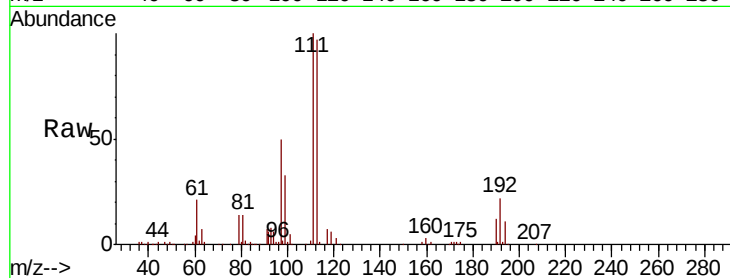




#35
 Dibromofluoromethane
 Concen: 48.359 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014597.D
 Acq: 10 Jan 2020 14:14

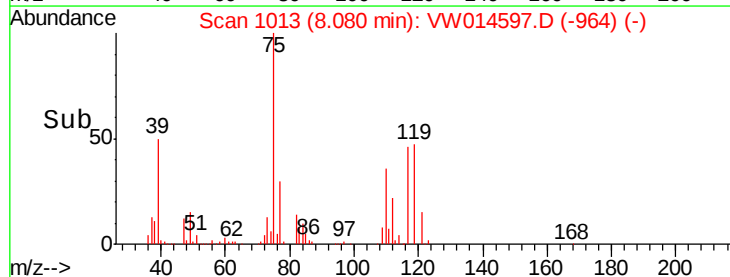
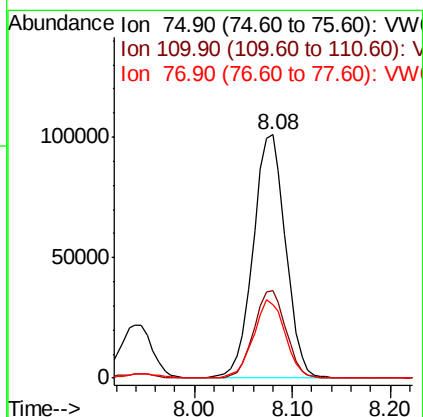
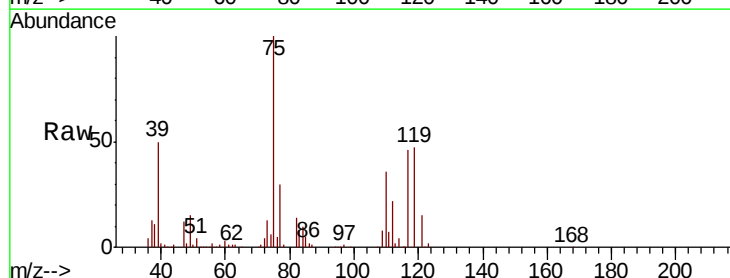
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS01

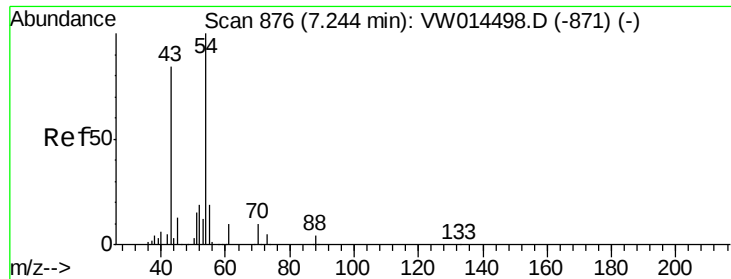
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.4	122.2
192	22.9	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 21.813 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW014597.D
 Acq: 10 Jan 2020 14:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	17.8	53.5
77	31.9	24.7	37.1

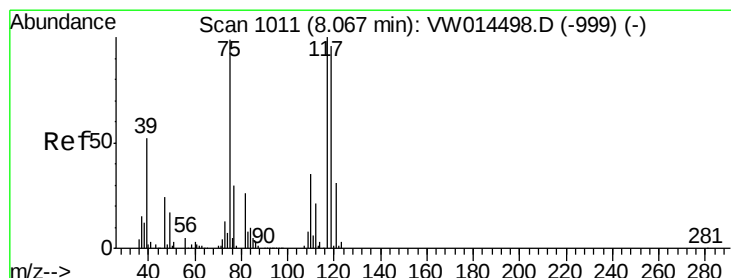
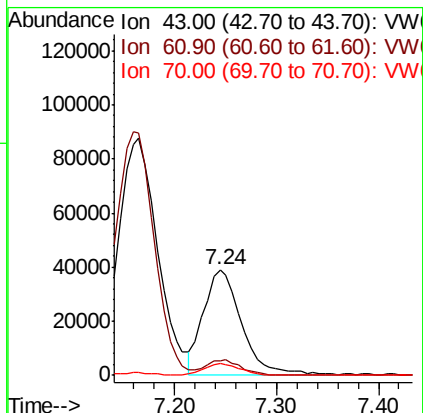
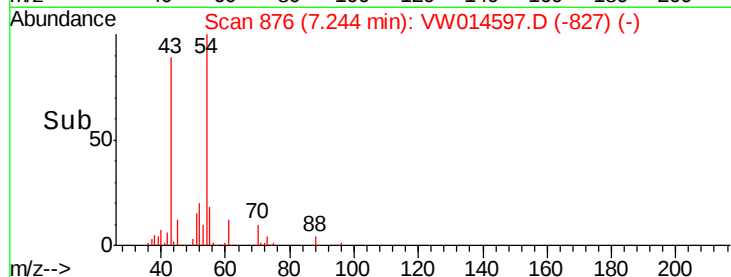
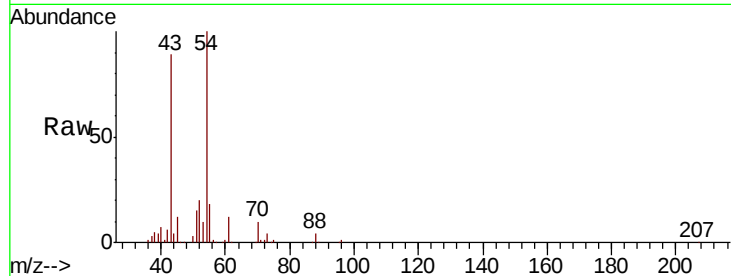




#37
Ethyl Acetate
Concen: 20.685 ug/l
RT: 7.24 min Scan# 876
Delta R.T. 0.00 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

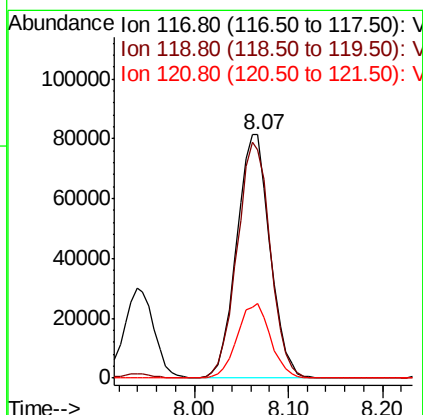
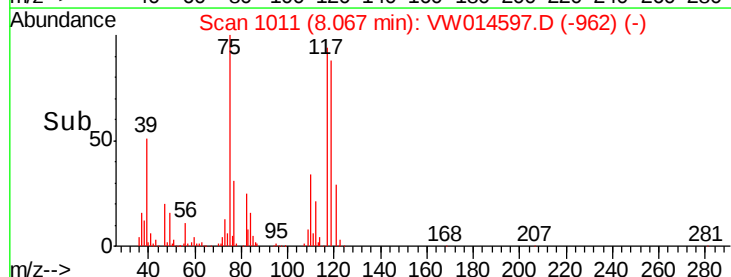
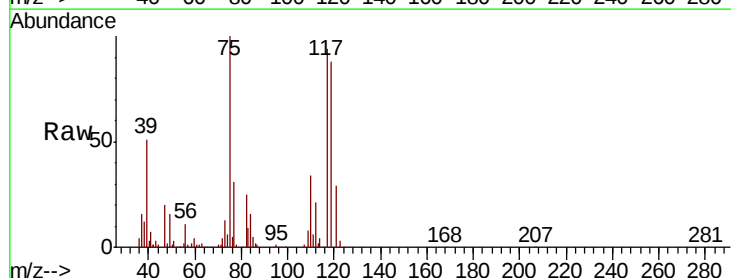
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

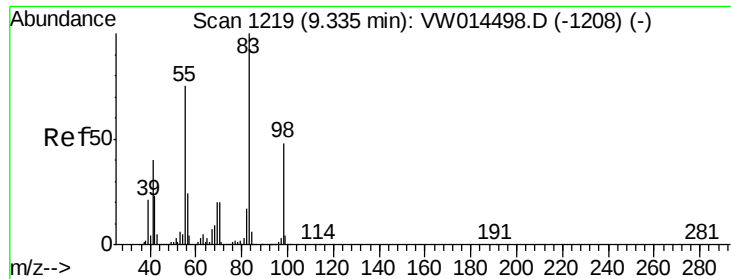
Tot Ion: 43 Resp: 99904
Ion Ratio Lower Upper
43 100
61 13.7 11.7 17.5
70 10.9 9.0 13.6



#38
Carbon Tetrachloride
Concen: 21.828 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

Tgt Ion: 117 Resp: 201666
Ion Ratio Lower Upper
117 100
119 93.5 77.0 115.6
121 30.5 24.6 36.8

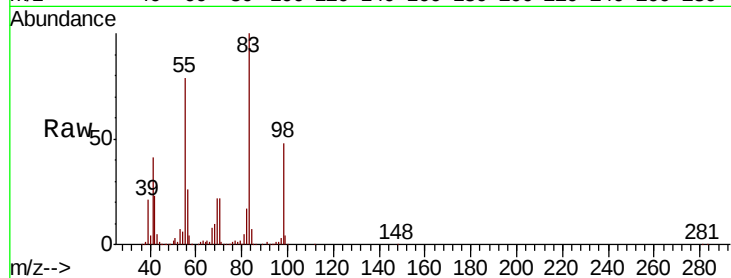




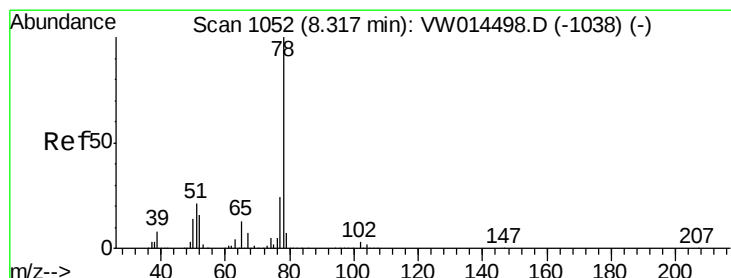
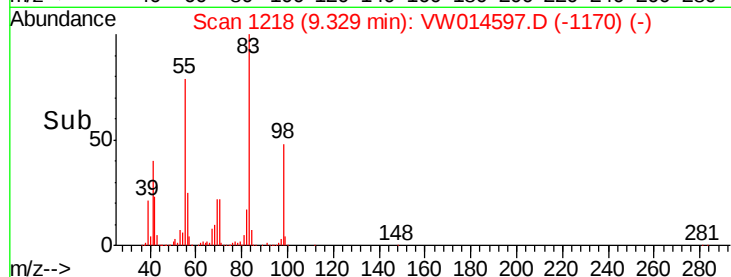
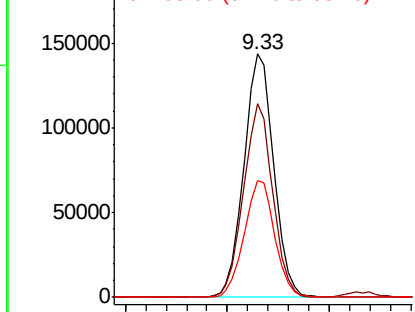
#39
Methvlcvclohexane
Concen: 21.352 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

Tot Ion	83	Resp	291811
Ion Ratio	Lower	Upper	
83	100		
55	79.4	60.1	90.1
98	48.0	38.8	58.2

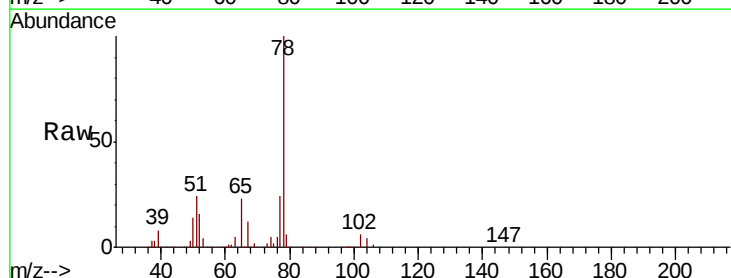


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

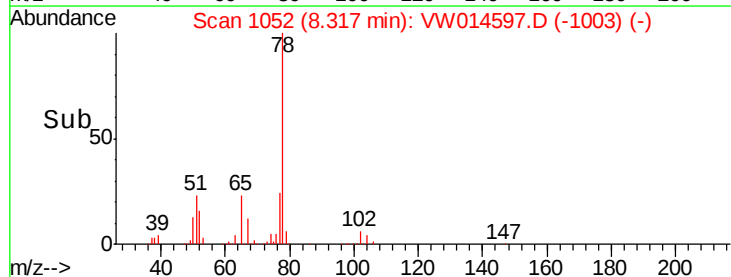
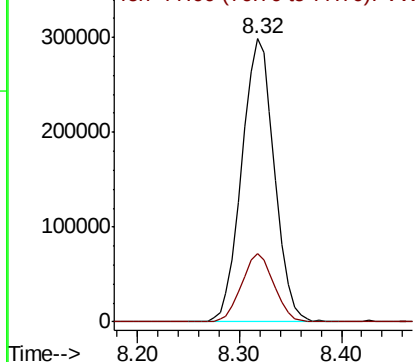


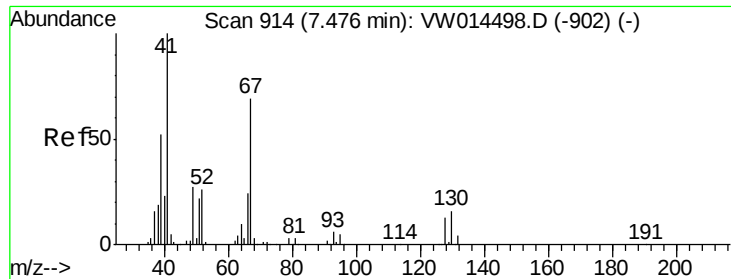
#40
Benzene
Concen: 22.029 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

Tgt Ion	78	Resp	663760
Ion Ratio	Lower	Upper	
78	100		
77	24.1	19.3	28.9



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

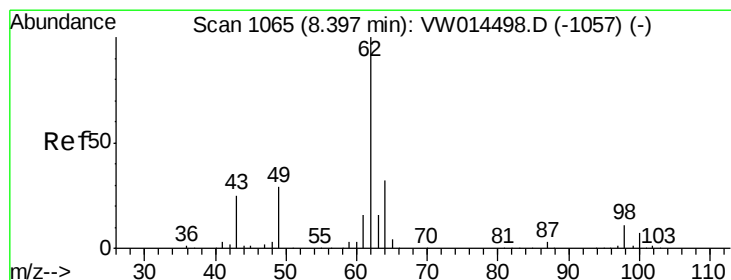
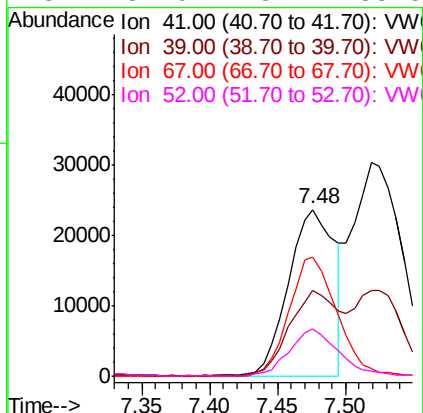
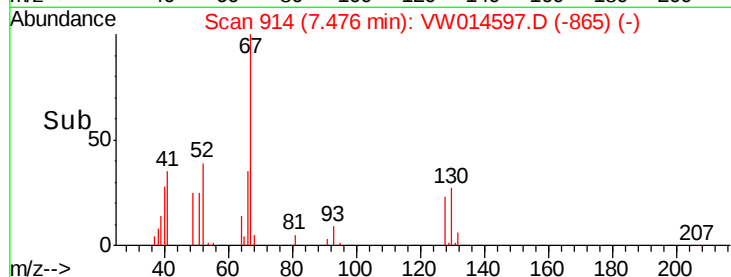
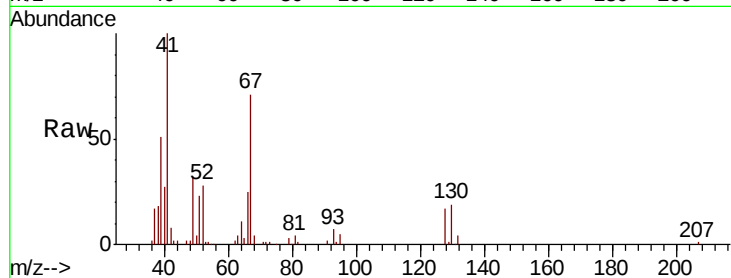




#41
Methacrylonitrile
Concen: 20.881 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

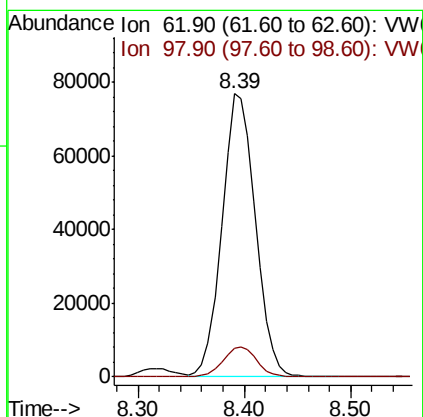
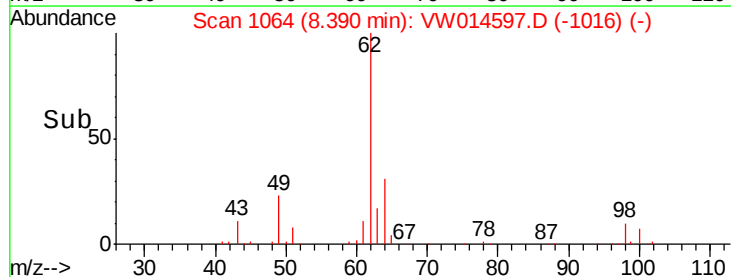
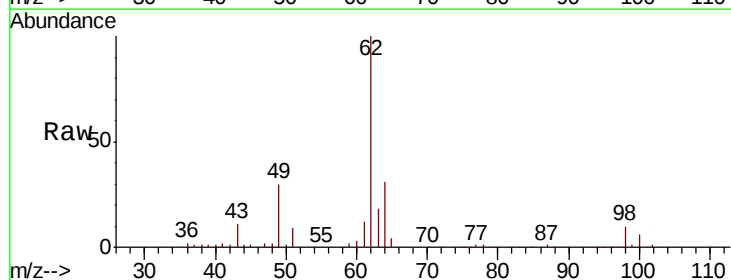
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

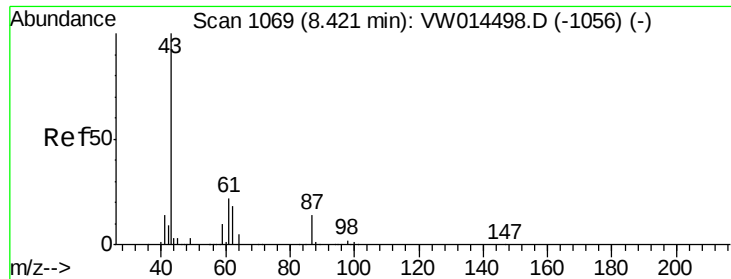
Tot Ion:	41	Resp:	56219
Ion	Ratio	Lower	Upper
41	100		
39	55.6	46.0	69.0
67	74.0	60.8	91.2
52	31.0	23.7	35.5



#42
1,2-Dichloroethane
Concen: 21.564 ug/l
RT: 8.39 min Scan# 1064
Delta R.T. -0.01 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

Tgt Ion:	62	Resp:	168610
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	22.0





#43

Isopropyl Acetate

Concen: 20.015 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS01

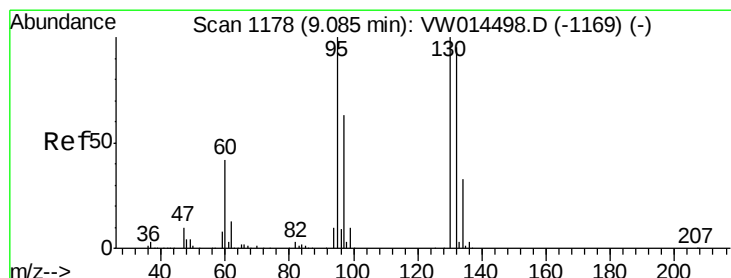
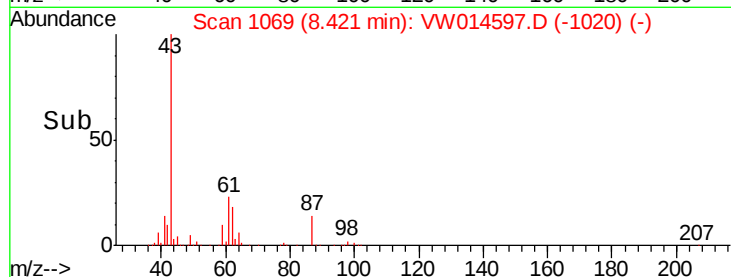
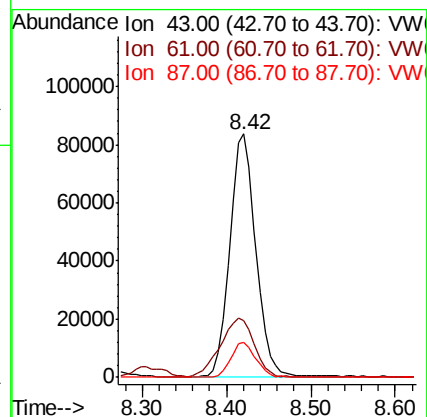
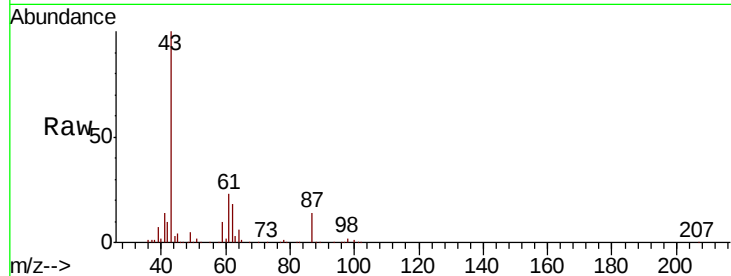
Tot Ion: 43 Resp: 175537

Ion Ratio Lower Upper

43 100

61 32.3 24.7 37.1

87 14.0 11.1 16.7



#44

Trichloroethene

Concen: 21.865 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014597.D

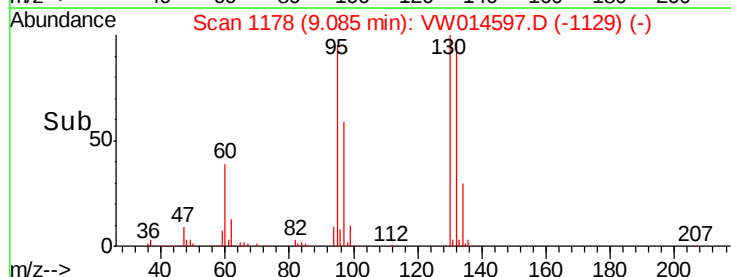
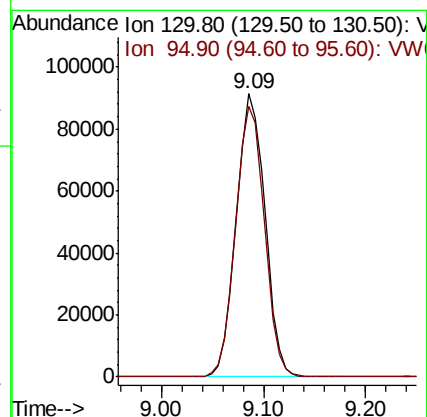
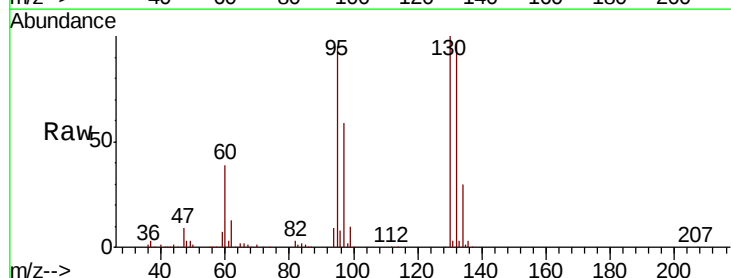
Acq: 10 Jan 2020 14:14

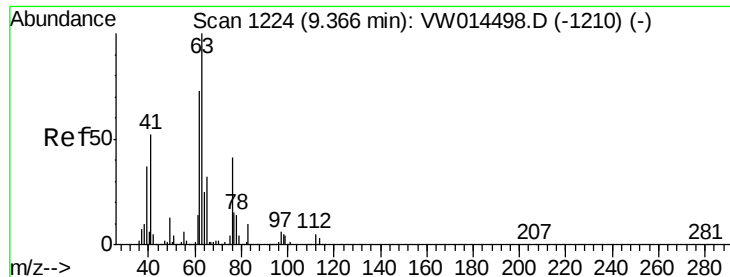
Tgt Ion: 130 Resp: 178269

Ion Ratio Lower Upper

130 100

95 95.4 0.0 199.4

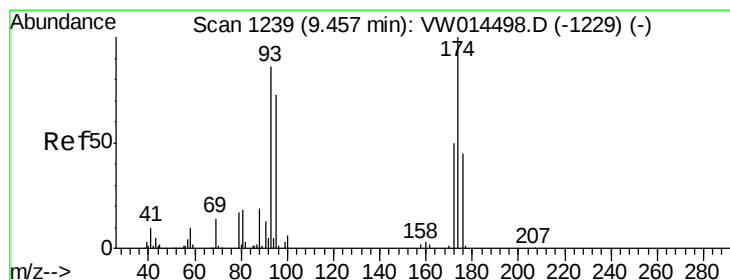
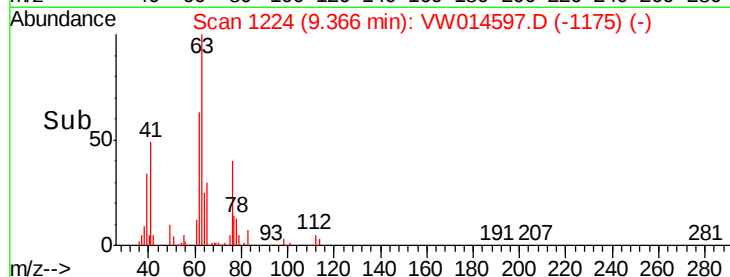
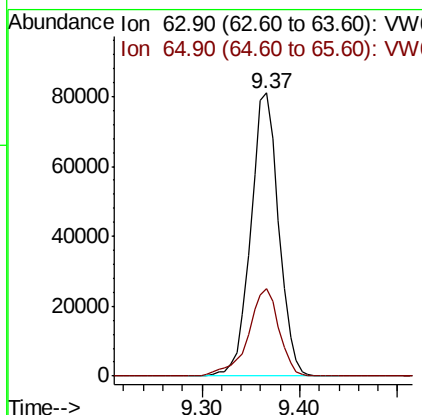
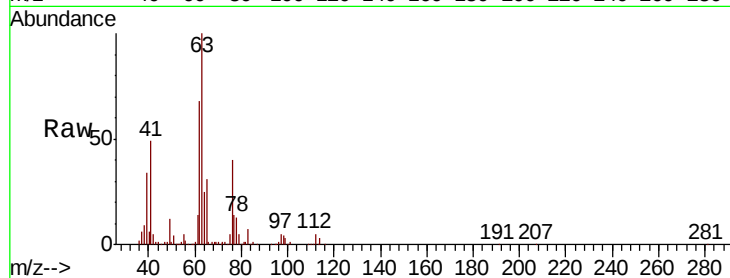




#45
 1,2-Dichloropropane
 Concen: 21.726 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014597.D
 Acq: 10 Jan 2020 14:14

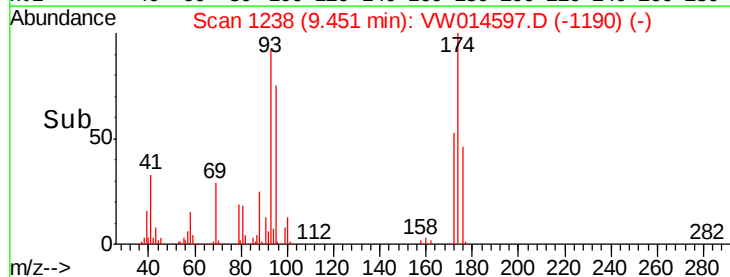
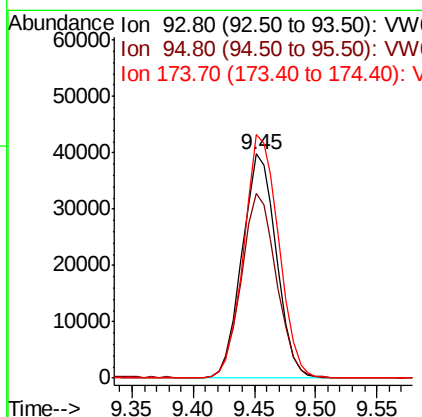
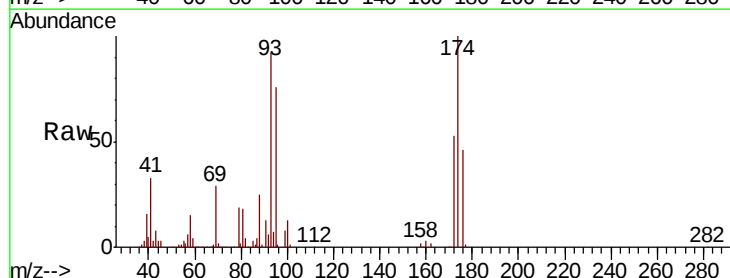
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS01

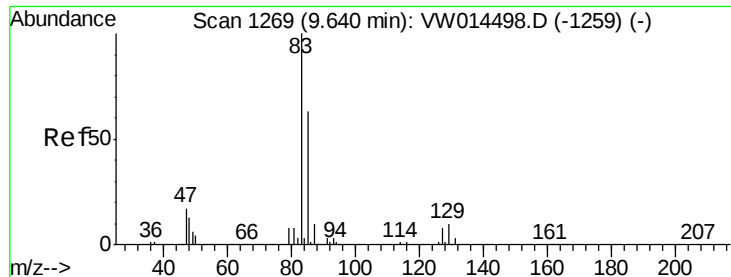
Tot Ion: 63 Resp: 160639
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.6 38.4



#46
 Dibromomethane
 Concen: 21.229 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW014597.D
 Acq: 10 Jan 2020 14:14

Tgt Ion: 93 Resp: 77489
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.4 99.6
 174 110.8 89.1 133.7





#47

Bromodichloromethane

Concen: 21.487 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampled :

VW0110SBS01

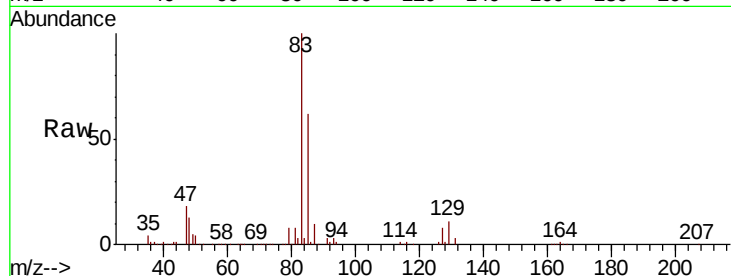
Tot Ion: 83 Resp: 193632

Ion Ratio Lower Upper

83 100

85 62.3 50.6 76.0

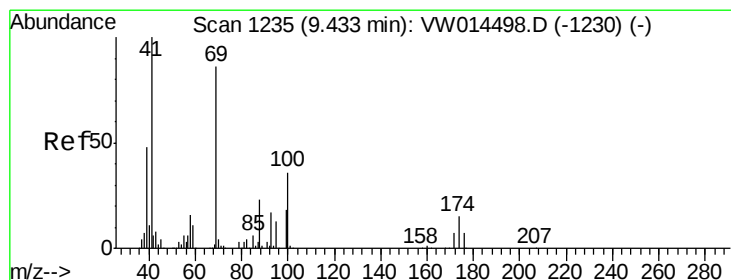
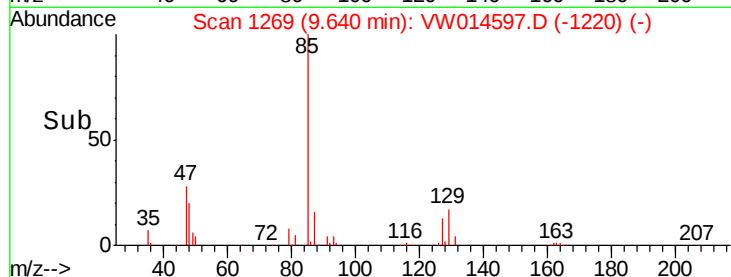
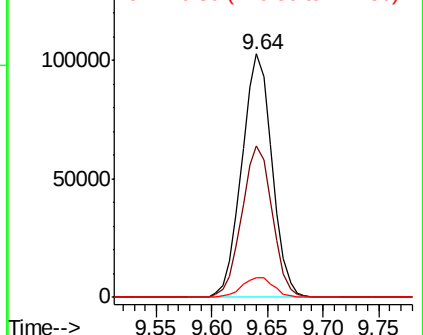
127 8.3 6.6 9.8



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): V



#48

Methyl methacrylate

Concen: 20.053 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

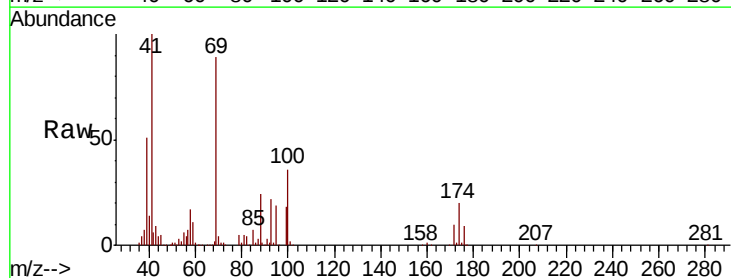
Tgt Ion: 41 Resp: 85869

Ion Ratio Lower Upper

41 100

69 88.1 68.3 102.5

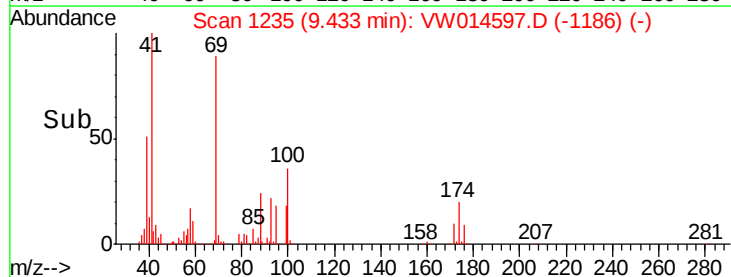
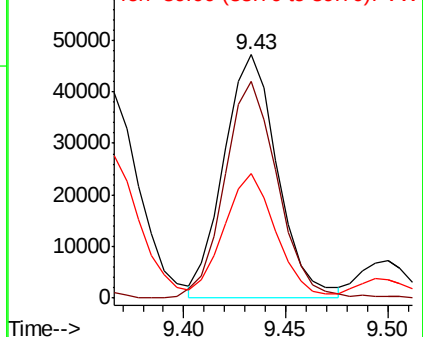
39 46.0 36.8 55.2

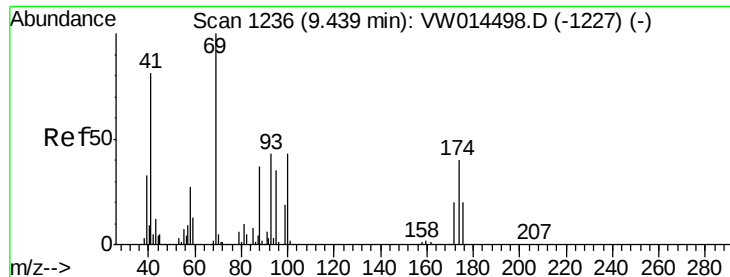


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 428.258 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS01

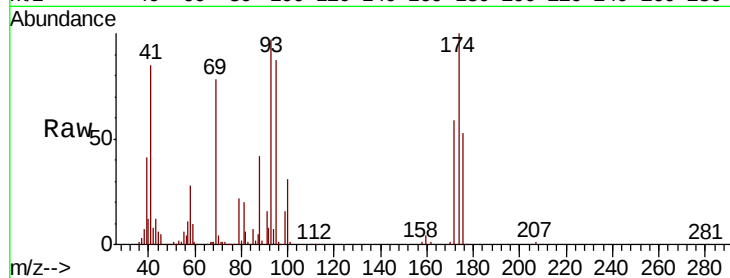
Tot Ion: 88 Resp: 29237

Ion Ratio Lower Upper

88 100

43 29.0 24.9 37.3

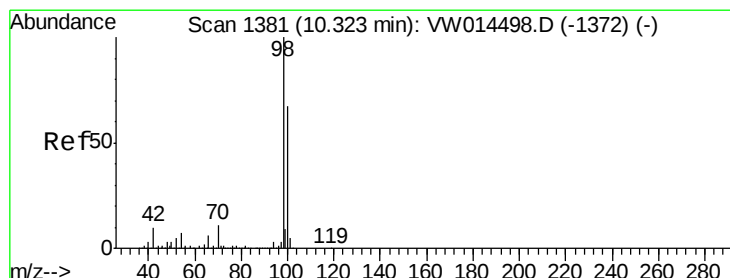
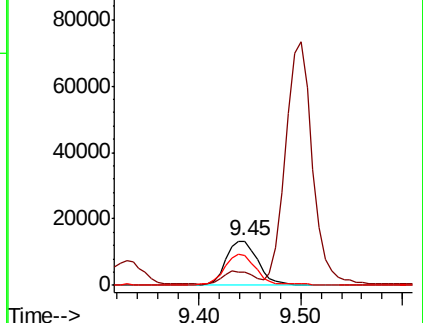
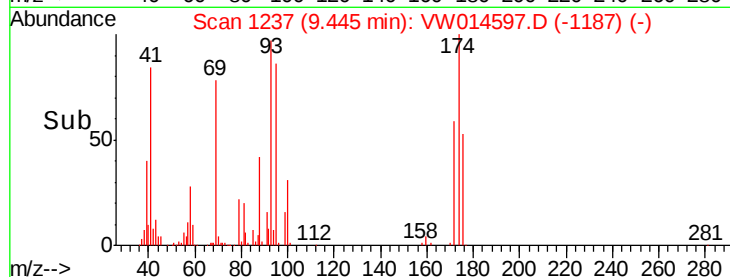
58 67.1 56.9 85.3



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: 48.673 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VW014597.D

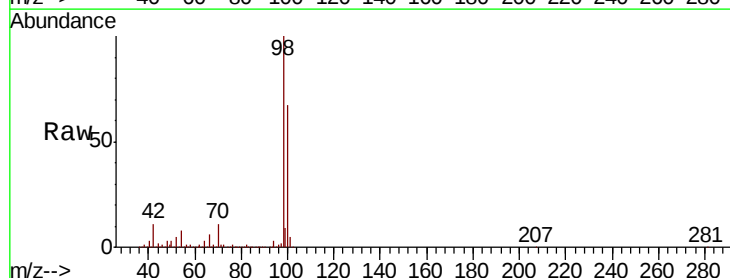
Acq: 10 Jan 2020 14:14

Tgt Ion: 98 Resp: 1282374

Ion Ratio Lower Upper

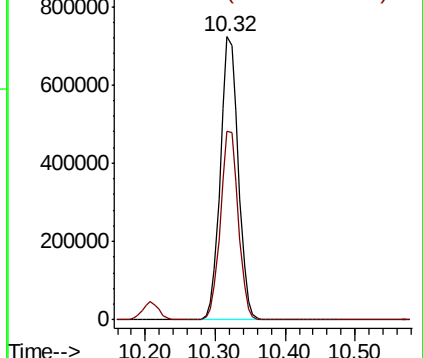
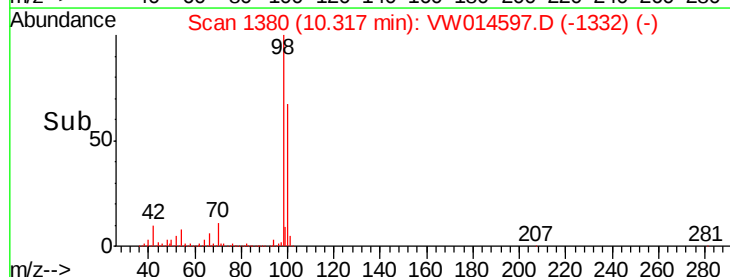
98 100

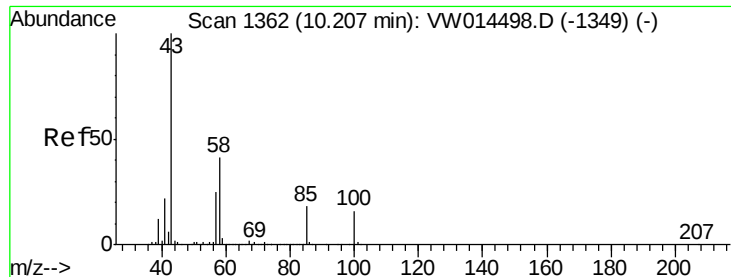
100 66.4 53.8 80.6



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: 101.822 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

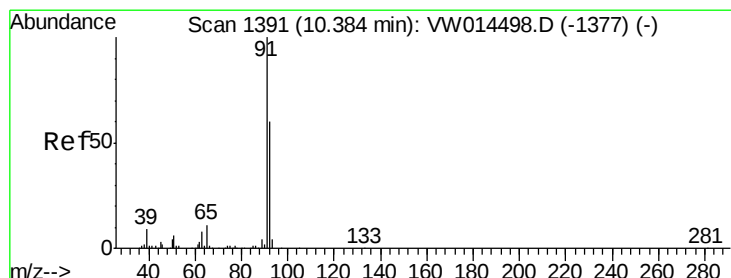
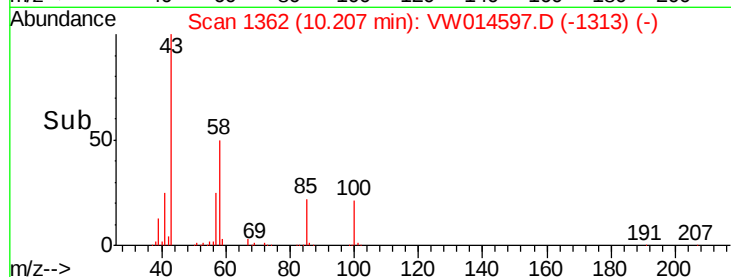
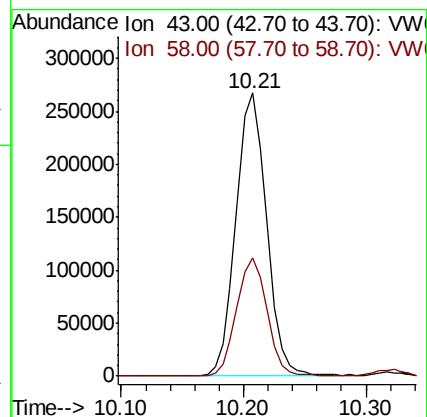
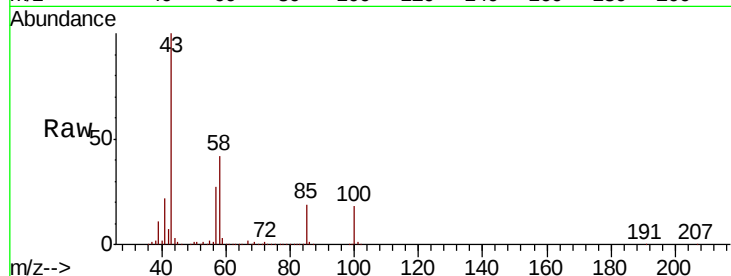
VW0110SBS01

Tot Ion: 43 Resp: 463747

Ion Ratio Lower Upper

43 100

58 41.6 32.7 49.1



#52

Toluene

Concen: 21.843 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014597.D

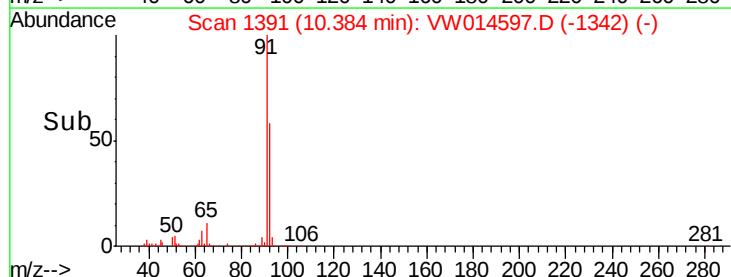
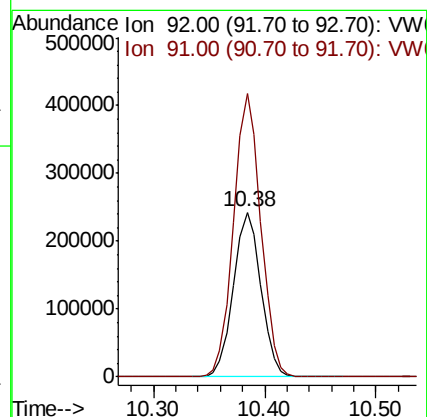
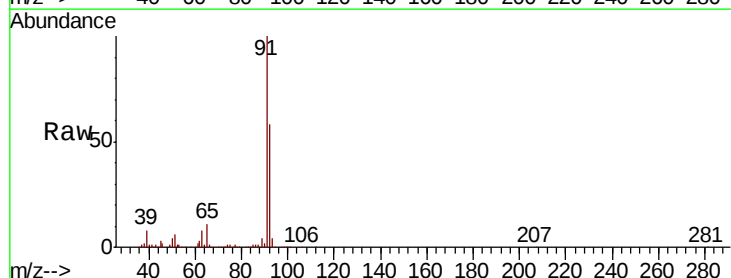
Acq: 10 Jan 2020 14:14

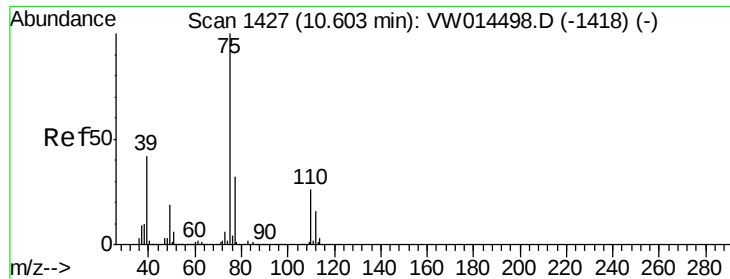
Tgt Ion: 92 Resp: 414051

Ion Ratio Lower Upper

92 100

91 170.9 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 20.718 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

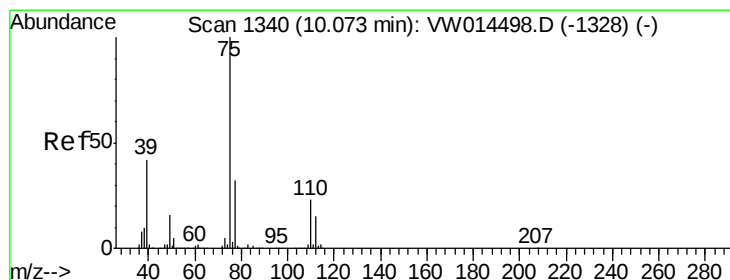
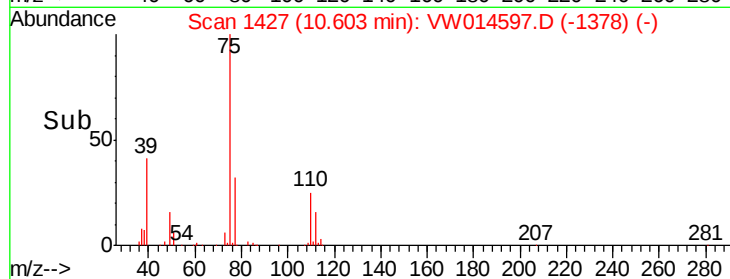
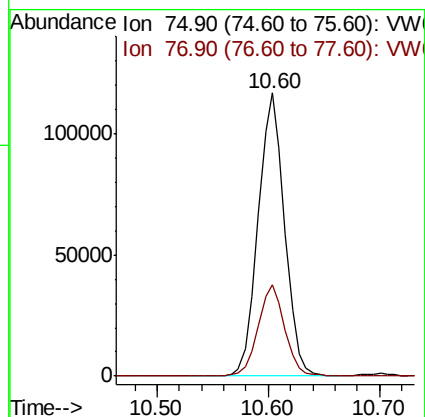
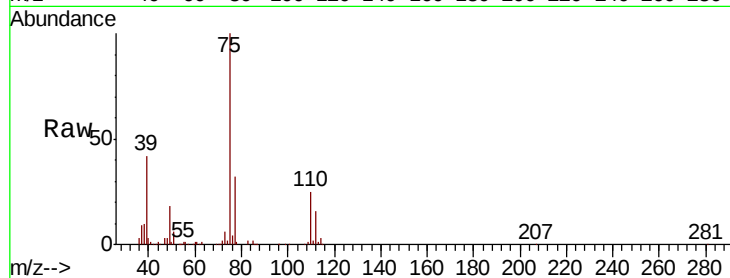
VW0110SBS01

Tot Ion: 75 Resp: 193308

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.938 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

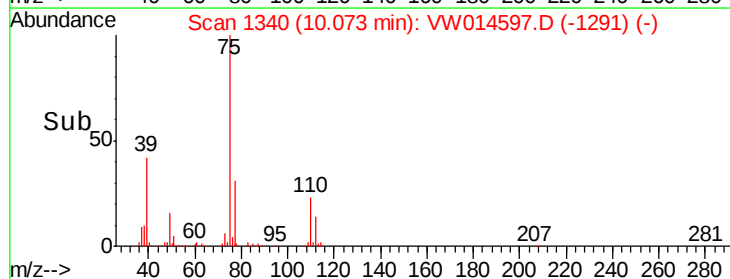
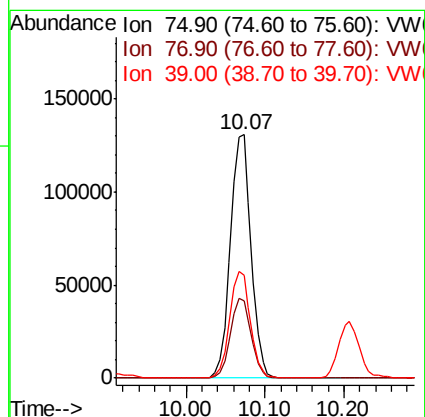
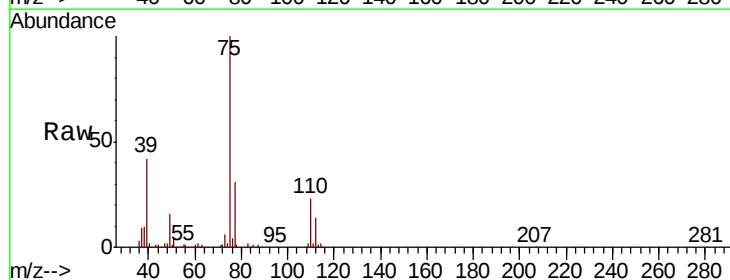
Tgt Ion: 75 Resp: 238763

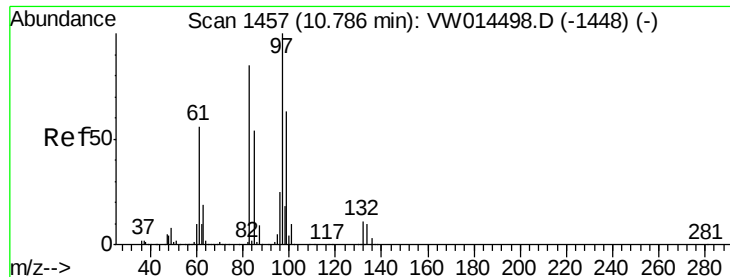
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 42.1 33.4 50.2

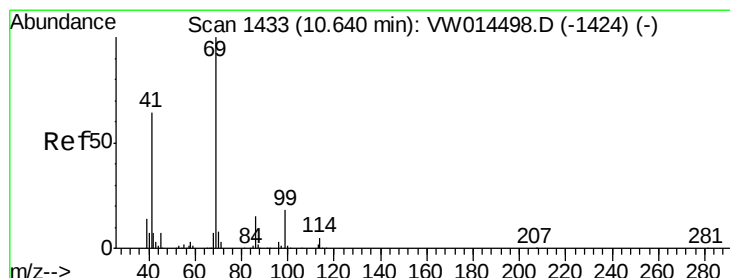
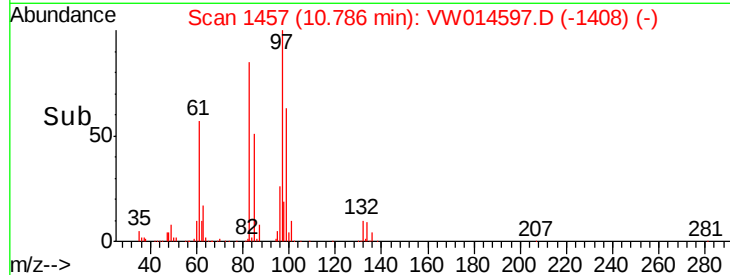
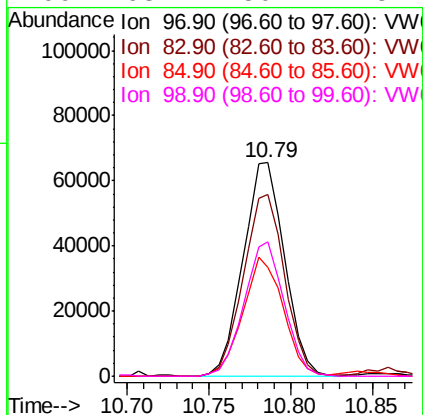
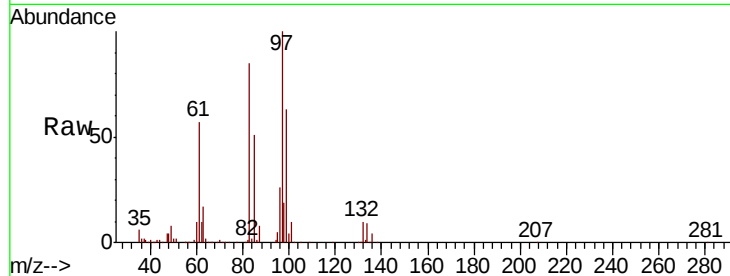




#55
 1,1,2-Trichloroethane
 Concen: 21.853 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW014597.D
 Acq: 10 Jan 2020 14:14

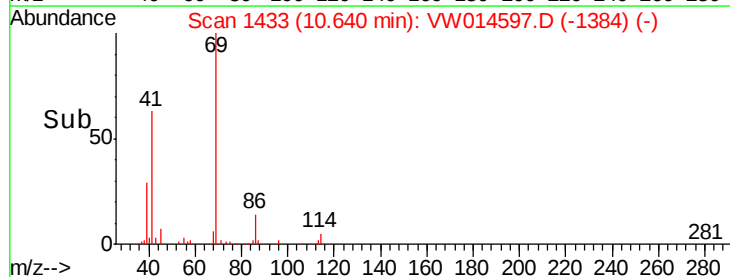
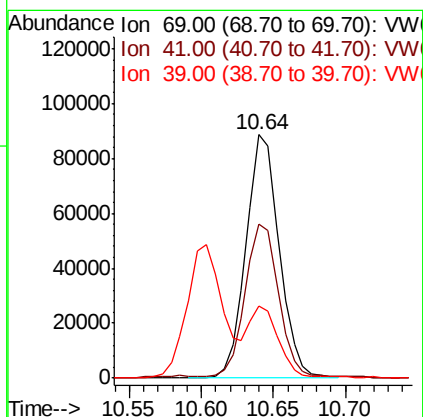
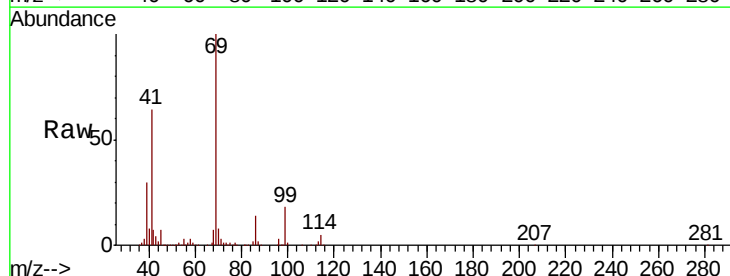
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS01

Tot Ion:	97	Resp:	116498
Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.2	102.4
85	51.2	43.0	64.4
99	63.2	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 20.445 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VW014597.D
 Acq: 10 Jan 2020 14:14

Tgt Ion:	69	Resp:	141646
Ion	Ratio	Lower	Upper
69	100		
41	63.3	51.3	76.9
39	26.4	21.0	31.6





#57

1,3-Dichloropropane

Concen: 21.218 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

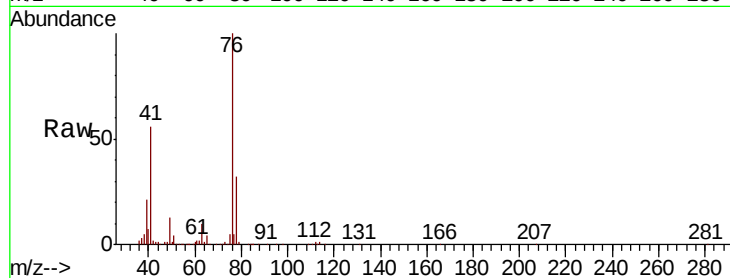
VW0110SBS01

Tot Ion: 76 Resp: 198798

Ion Ratio Lower Upper

76 100

78 32.2 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

120000

100000

80000

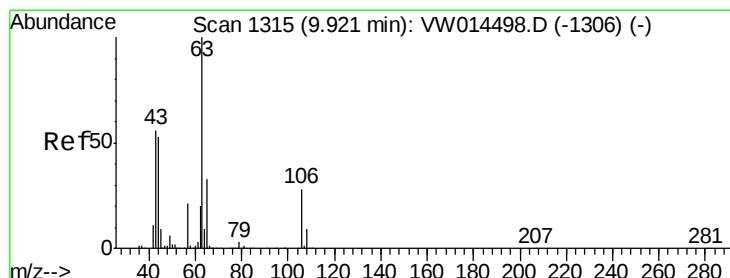
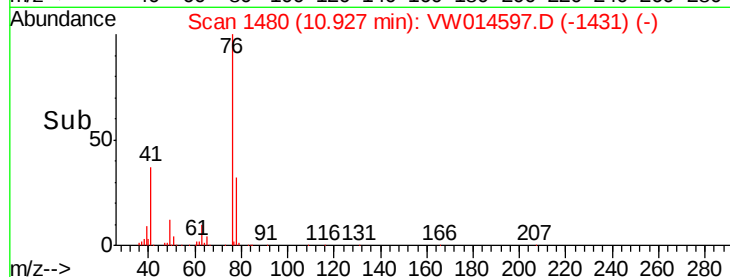
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 90.619 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW014597.D

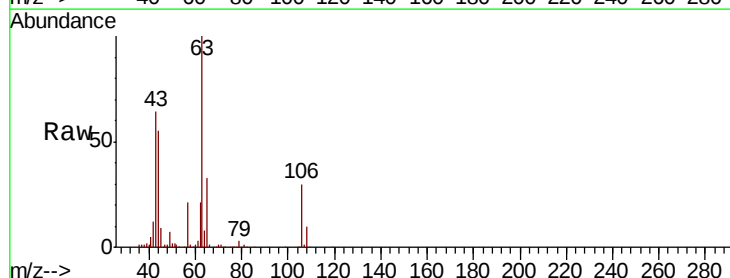
Acq: 10 Jan 2020 14:14

Tgt Ion: 63 Resp: 190938

Ion Ratio Lower Upper

63 100

106 29.4 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.92

120000

100000

80000

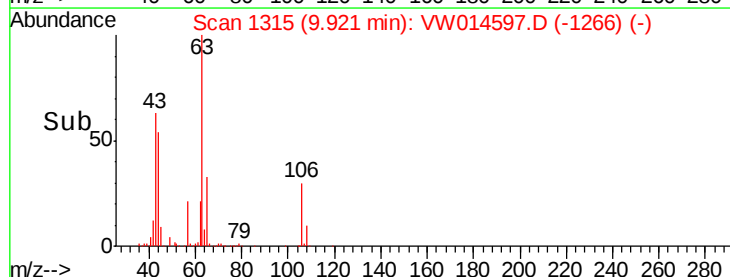
60000

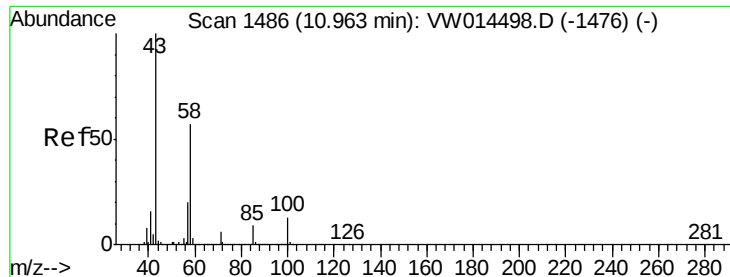
40000

20000

0

Time-->

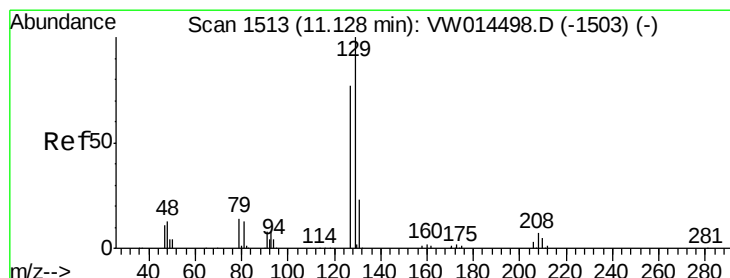
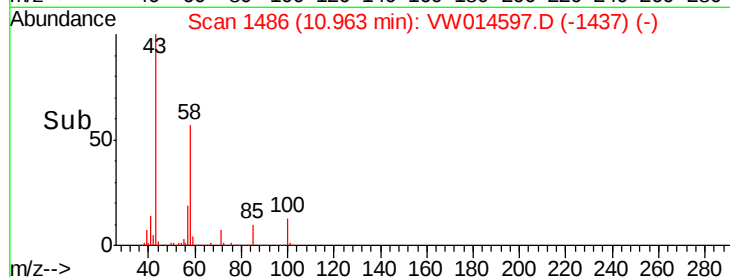
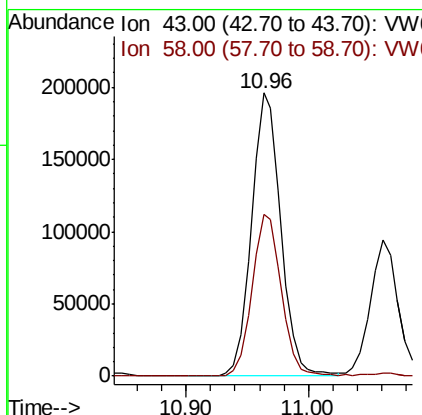
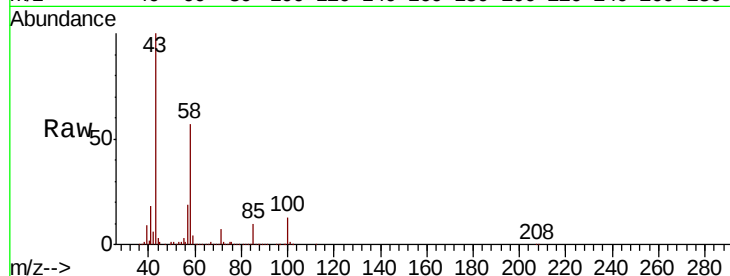




#59
2-Hexanone
Concen: 104.002 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

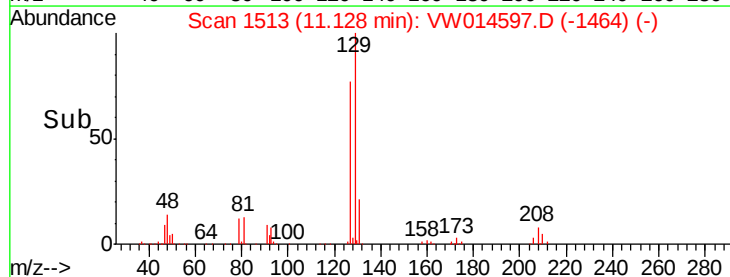
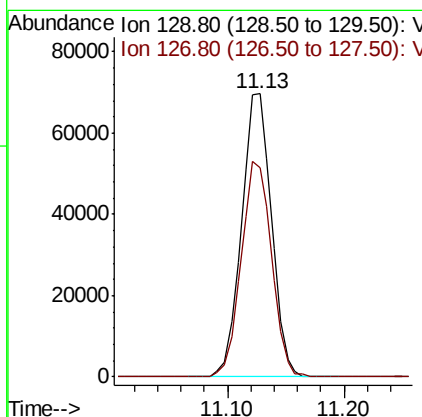
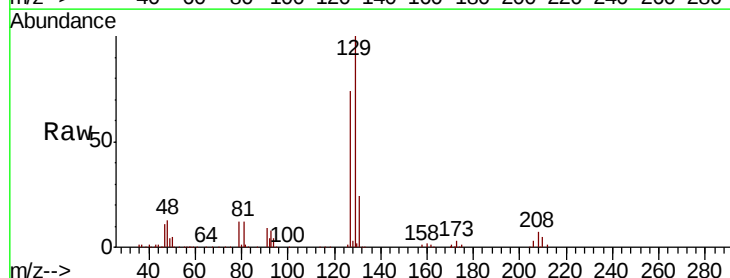
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

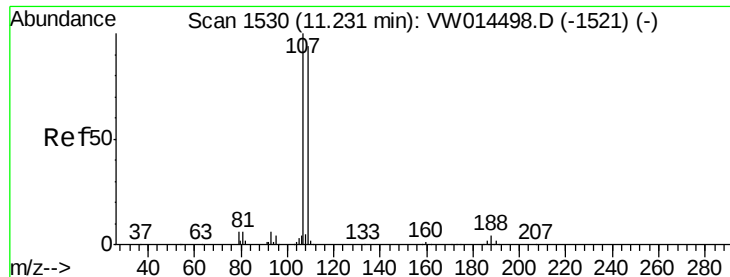
Tot Ion: 43 Resp: 326407
Ion Ratio Lower Upper
43 100
58 57.3 28.7 86.3



#60
Dibromochloromethane
Concen: 20.838 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

Tgt Ion: 129 Resp: 125340
Ion Ratio Lower Upper
129 100
127 76.9 38.1 114.5

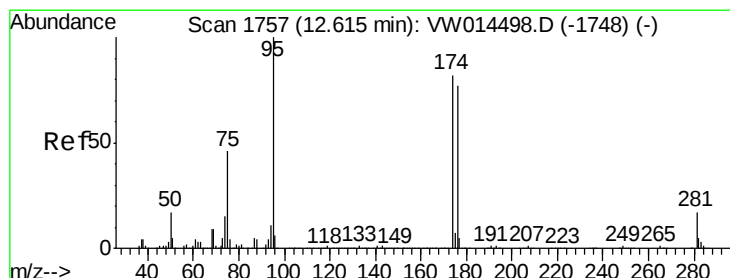
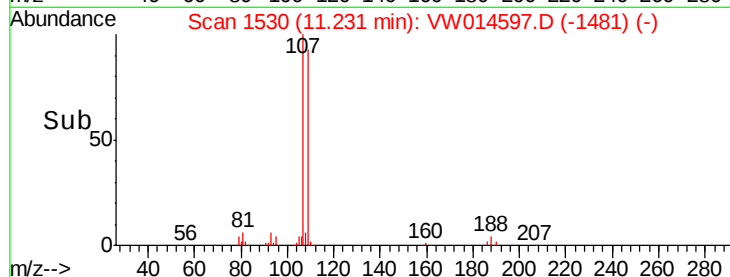
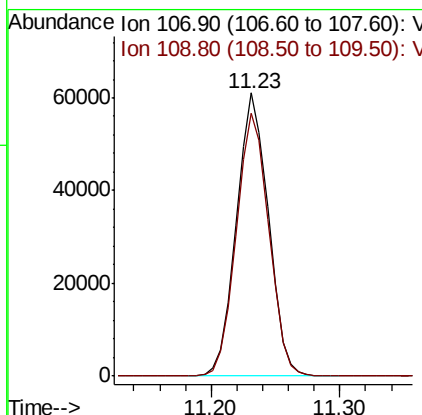
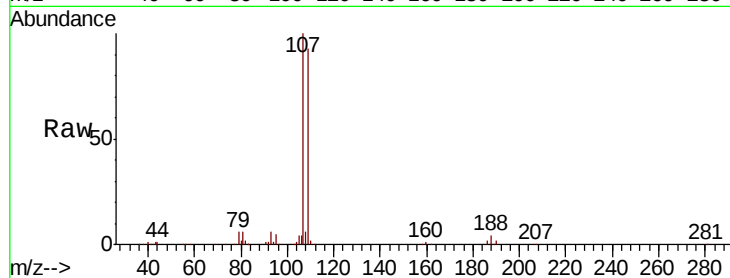




#61
 1,2-Dibromoethane
 Concen: 20.740 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW014597.D
 Acq: 10 Jan 2020 14:14

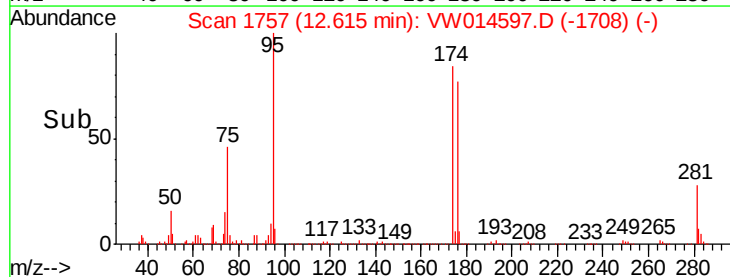
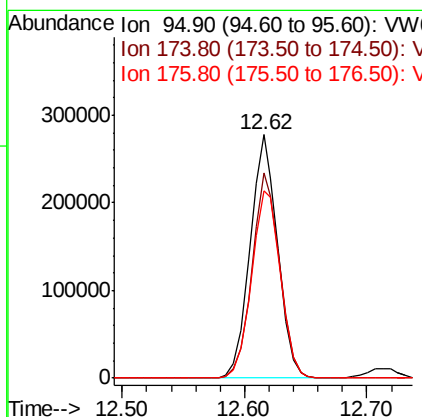
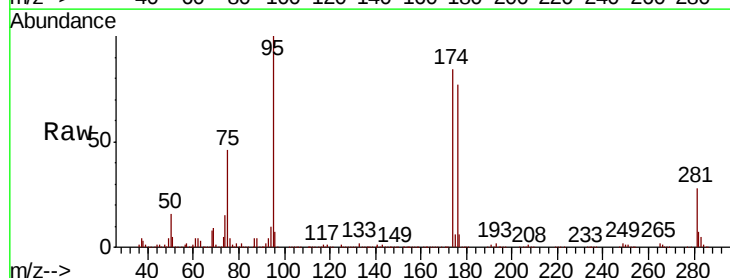
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS01

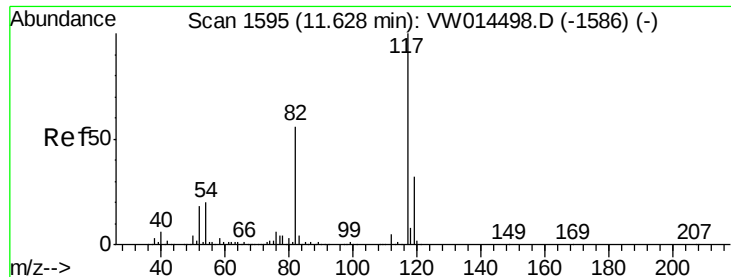
Tot Ion: 107 Resp: 104949
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 48.387 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW014597.D
 Acq: 10 Jan 2020 14:14

Tgt Ion: 95 Resp: 432410
 Ion Ratio Lower Upper
 95 100
 174 84.7 0.0 168.6
 176 81.2 0.0 162.0

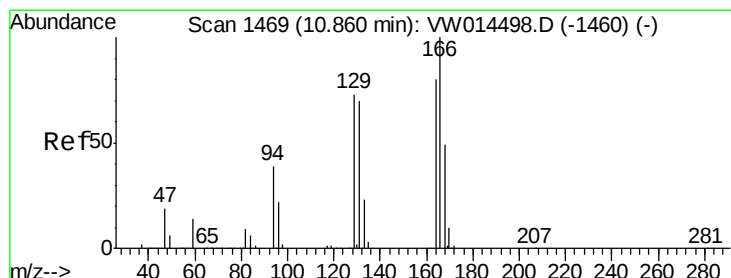
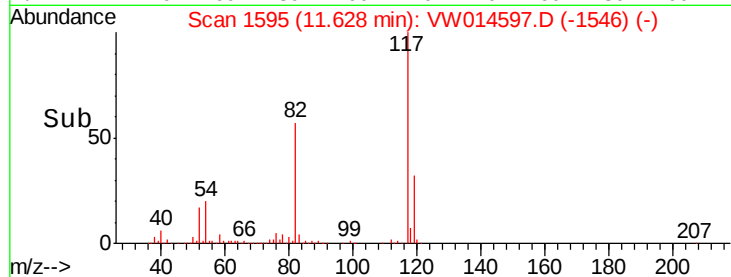
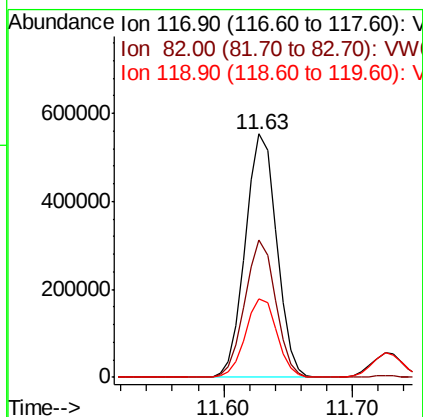
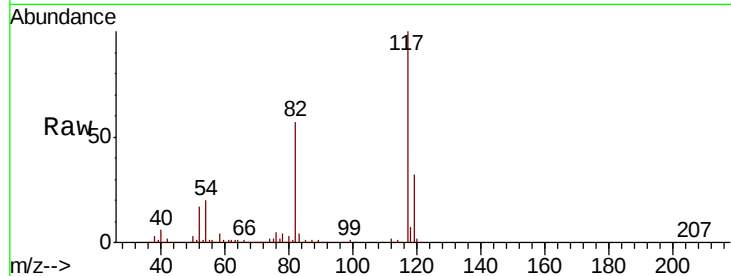




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

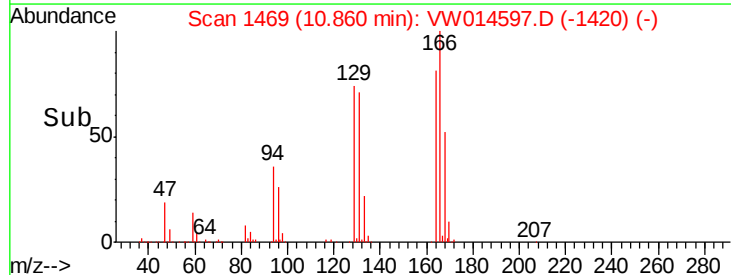
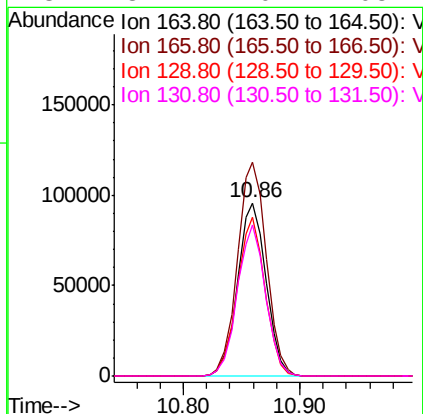
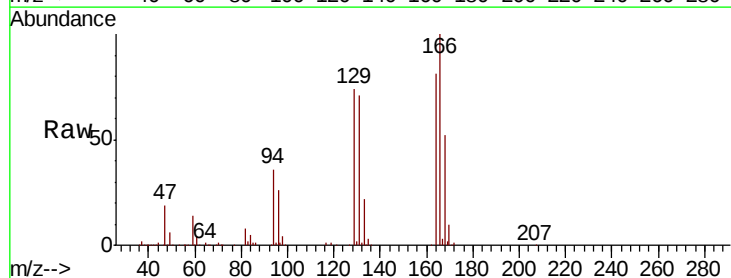
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

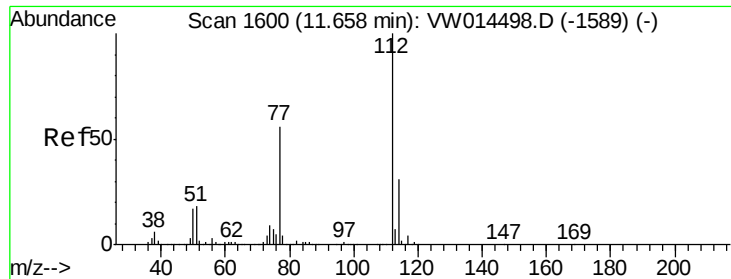
Tot Ion:117 Resp: 930973
Ion Ratio Lower Upper
117 100
82 56.5 44.6 67.0
119 32.5 25.7 38.5



#64
Tetrachloroethene
Concen: 24.209 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

Tgt Ion:164 Resp: 163168
Ion Ratio Lower Upper
164 100
166 123.5 99.8 149.6
129 91.7 72.4 108.6
131 87.2 70.1 105.1





#65

Chlorobenzene

Concen: 22.011 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampled :

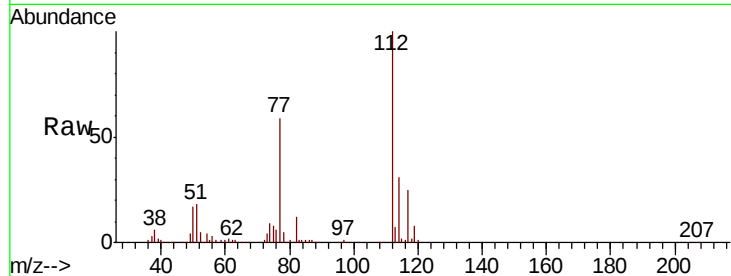
VW0110SBS01

Tot Ion:112 Resp: 419813

Ion Ratio Lower Upper

112 100

114 31.5 24.6 37.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.65

250000

200000

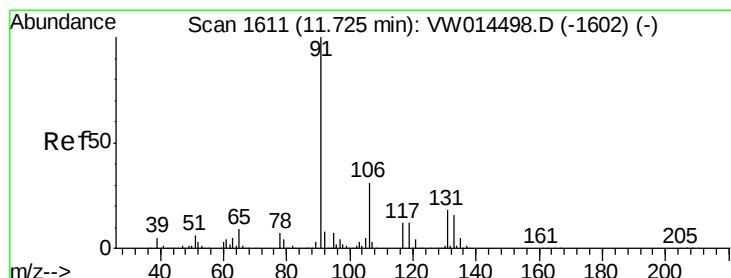
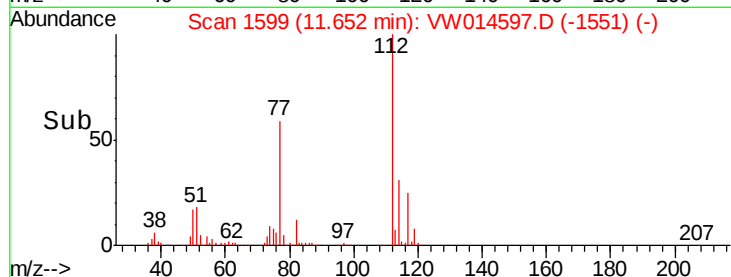
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.831 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

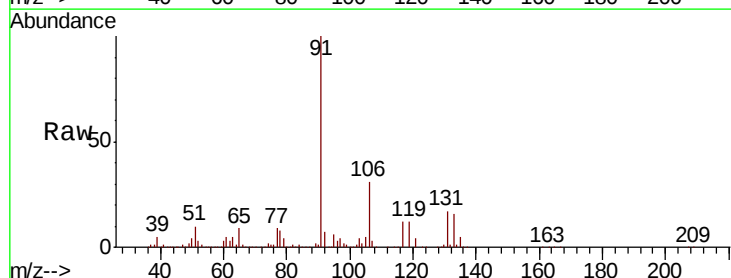
Tgt Ion:131 Resp: 140190

Ion Ratio Lower Upper

131 100

133 95.1 47.3 142.0

119 66.2 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

250000

200000

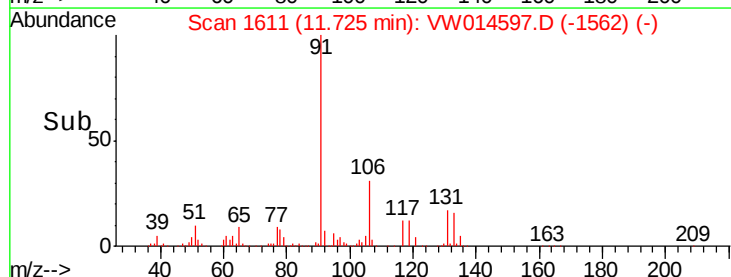
150000

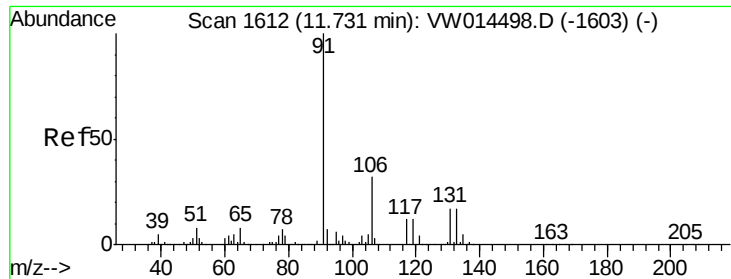
100000

50000

0

Time-->

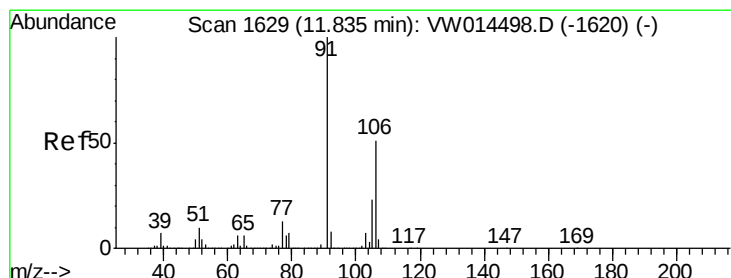
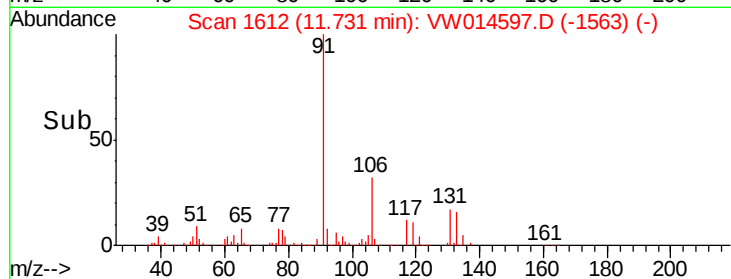
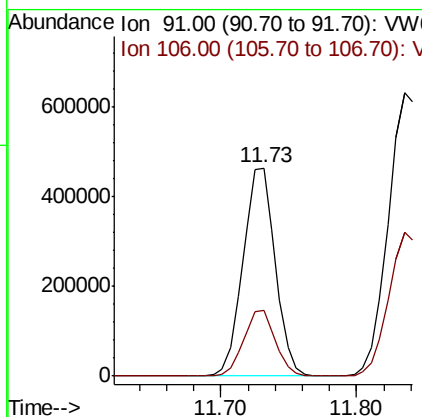
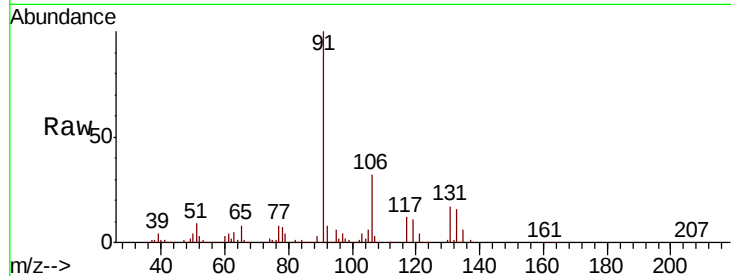




#67
Ethyl Benzene
Concen: 22.397 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

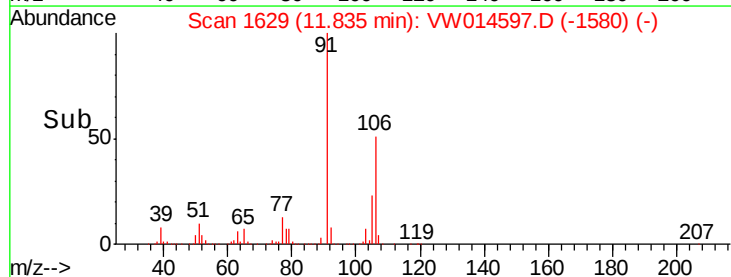
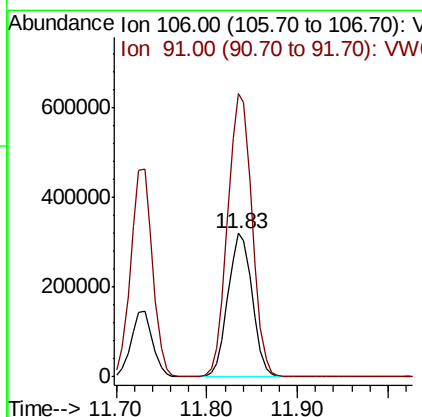
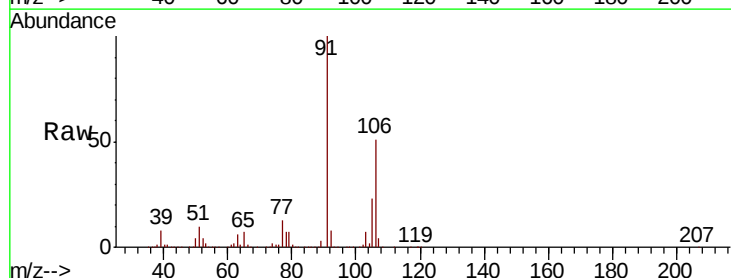
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

Tot Ion: 91 Resp: 769837
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3



#68
m/p-Xylenes
Concen: 45.079 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

Tgt Ion: 106 Resp: 593015
Ion Ratio Lower Upper
106 100
91 198.5 159.0 238.6

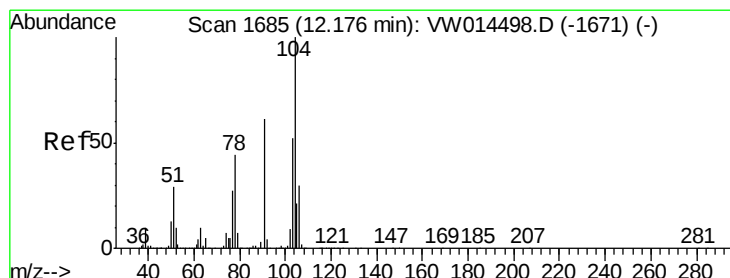
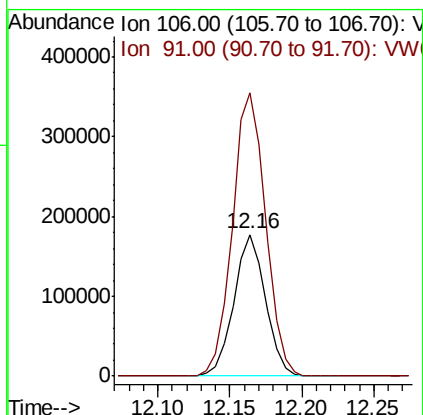
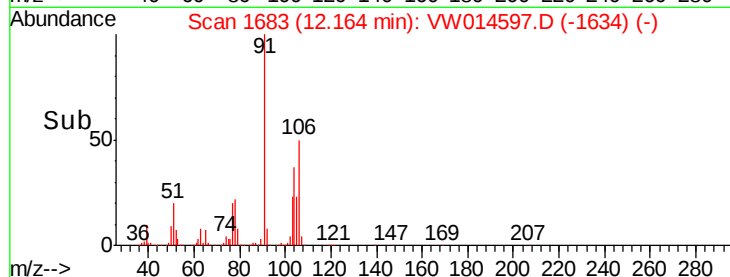
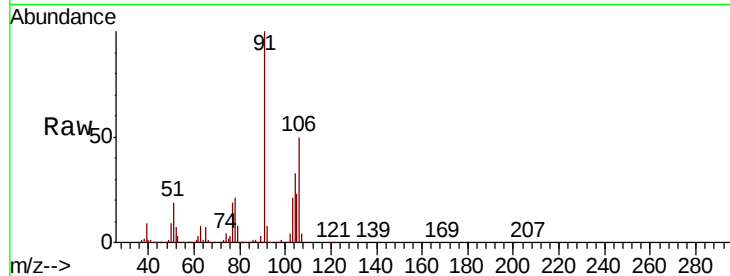




#69
o-Xylene
Concen: 22.229 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

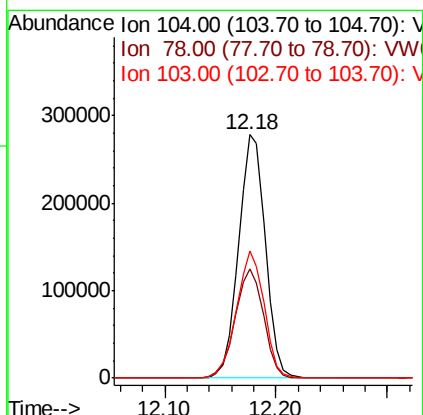
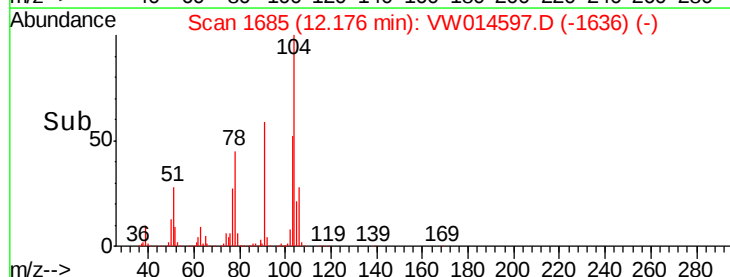
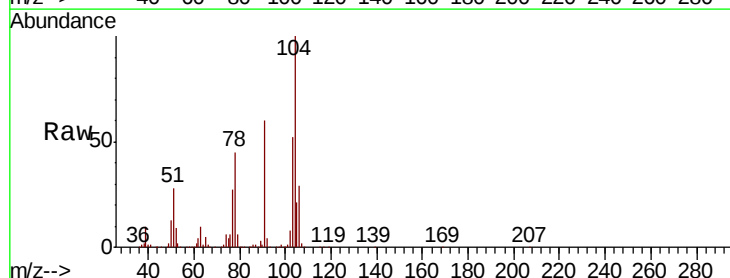
Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

Tot Ion:106 Resp: 270117
Ion Ratio Lower Upper
106 100
91 210.8 105.2 315.6



#70
Styrene
Concen: 22.460 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

Tgt Ion:104 Resp: 461621
Ion Ratio Lower Upper
104 100
78 47.9 38.4 57.6
103 54.3 43.7 65.5





#71

Bromoform

Concen: 20.890 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampled :

VW0110SBS01

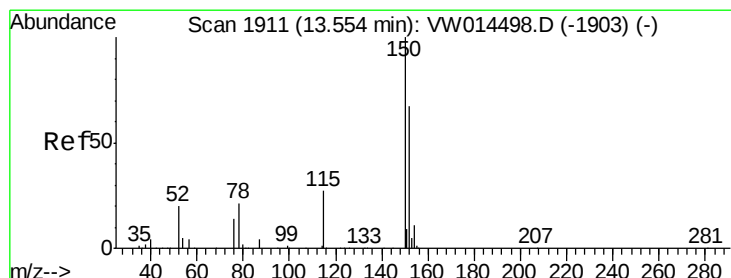
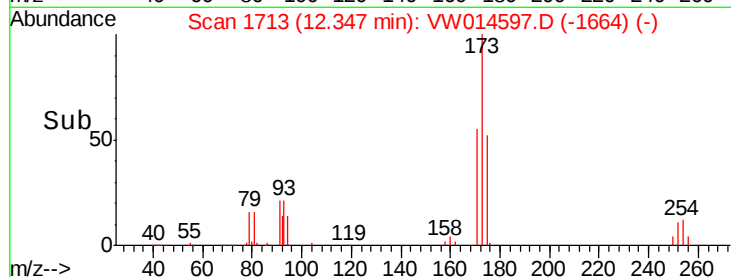
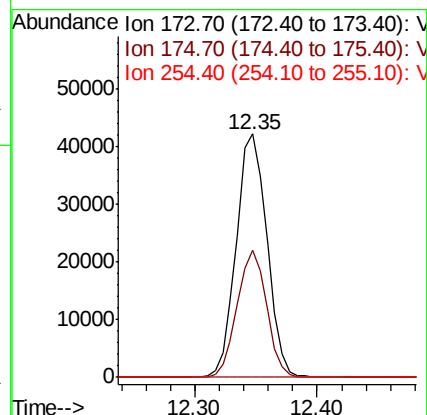
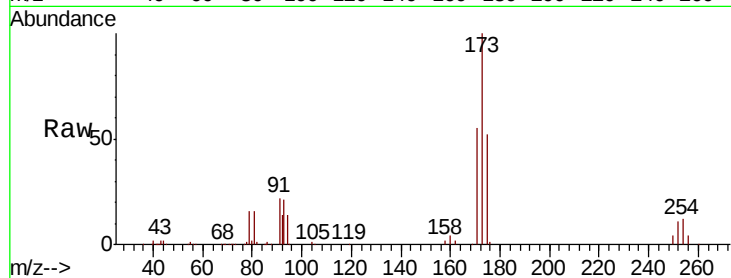
Tot Ion:173 Resp: 73172

Ion Ratio Lower Upper

173 100

175 50.3 24.5 73.5

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

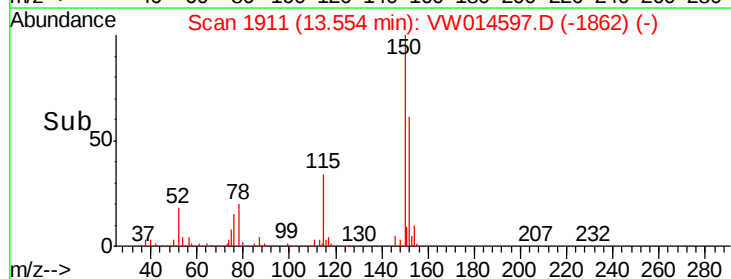
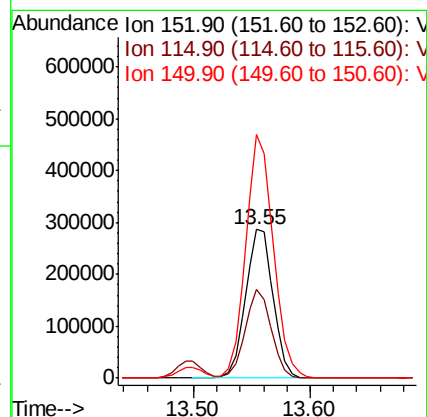
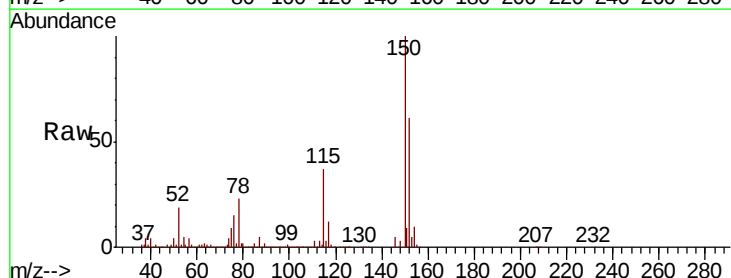
Tgt Ion:152 Resp: 471690

Ion Ratio Lower Upper

152 100

115 56.4 27.7 83.1

150 164.3 0.0 343.4





#73

Isopropylbenzene

Concen: 21.691 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampleID :

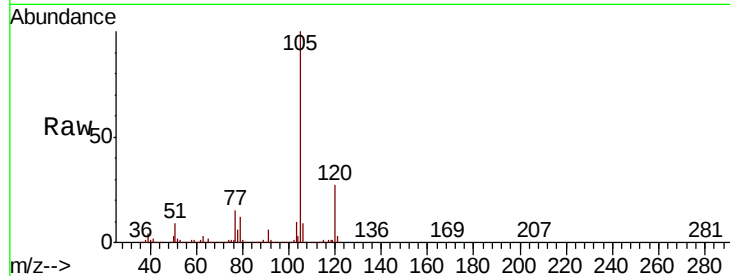
VW0110SBS01

Tot Ion:105 Resp: 750720

Ion Ratio Lower Upper

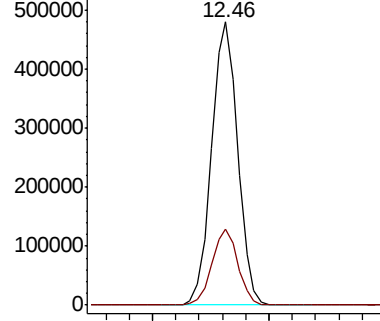
105 100

120 26.6 13.4 40.1

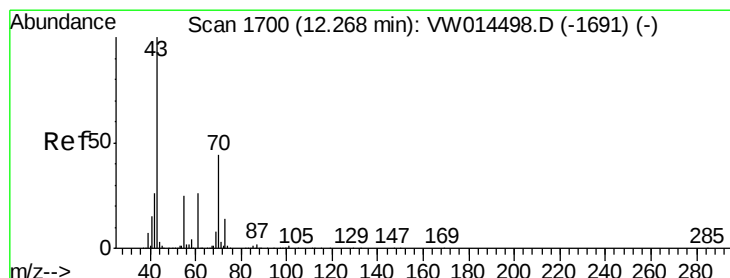
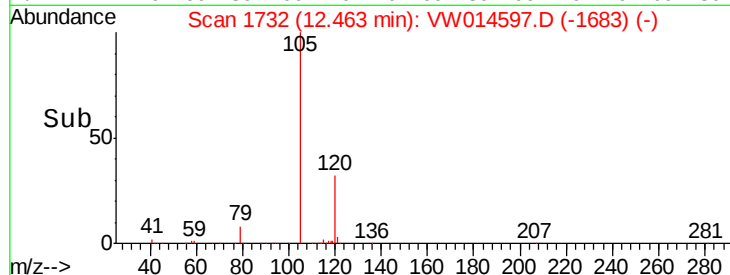


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 20.012 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Tgt Ion: 43 Resp: 155300

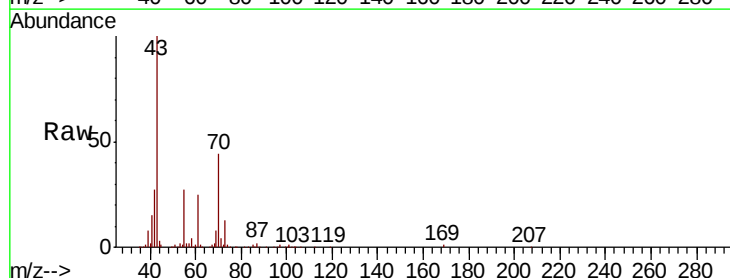
Ion Ratio Lower Upper

43 100

70 46.1 36.5 54.7

55 27.0 20.9 31.3

61 26.2 20.7 31.1

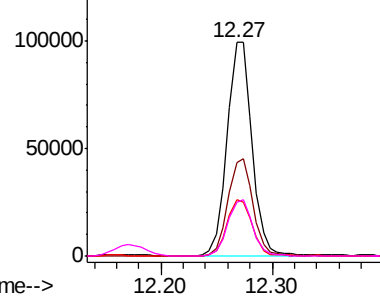


Abundance Ion 43.00 (42.70 to 43.70): VV

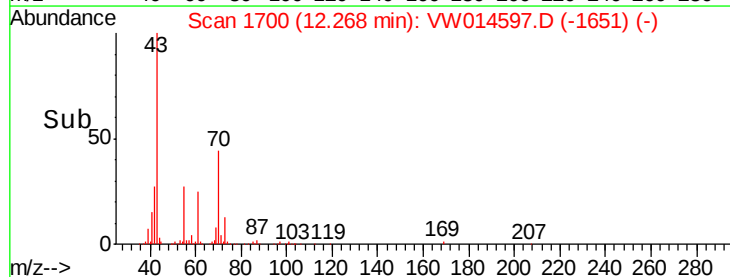
Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.609 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampled :

VW0110SBS01

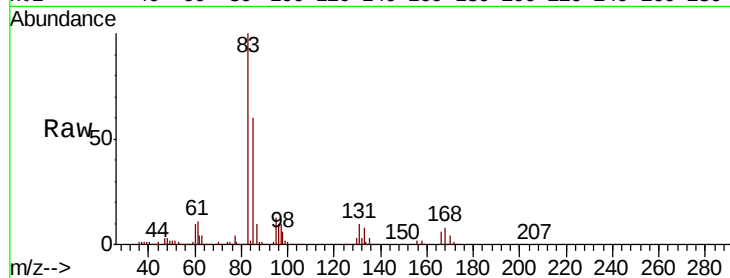
Tot Ion: 83 Resp: 128742

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.4

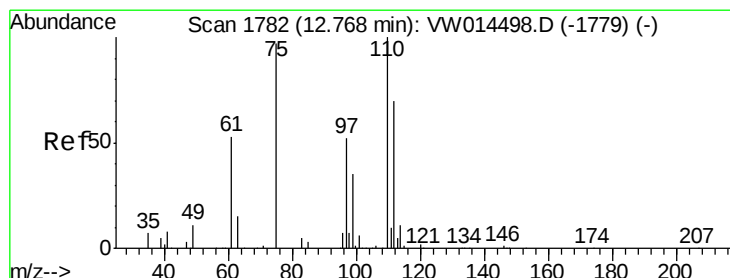
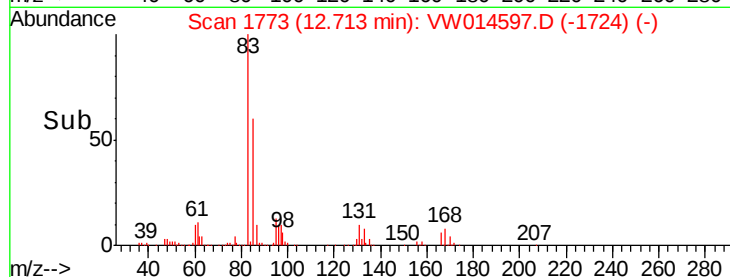
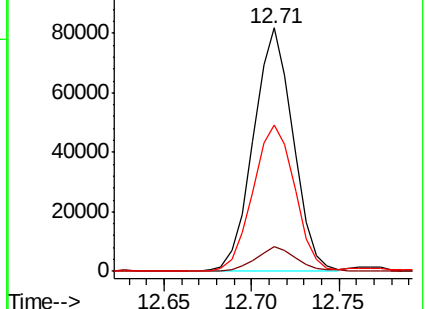
85 63.3 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW014498.D (-1764) (-)

Ion 130.80 (130.50 to 131.50): VW014498.D (-1764) (-)

Ion 84.90 (84.60 to 85.60): VW014498.D (-1764) (-)



#76

1,2,3-Trichloropropane

Concen: 36.861 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014597.D

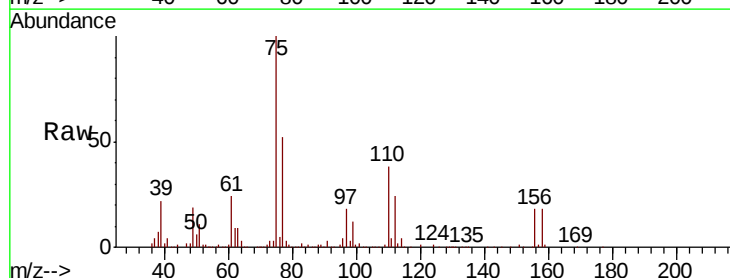
Acq: 10 Jan 2020 14:14

Tgt Ion: 75 Resp: 164393

Ion Ratio Lower Upper

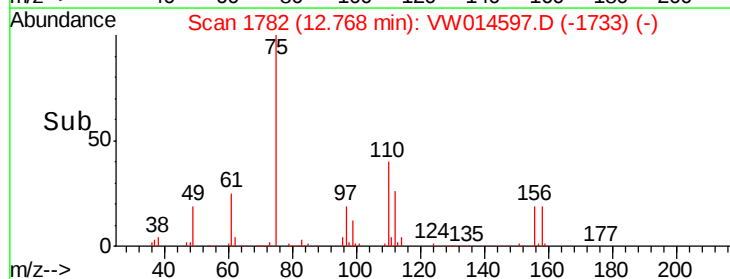
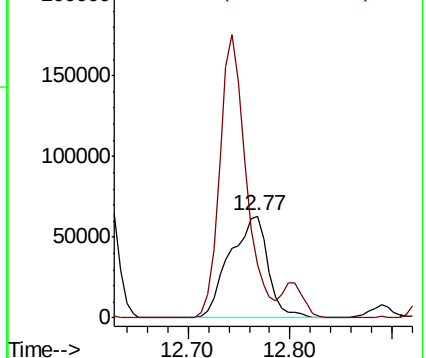
75 100

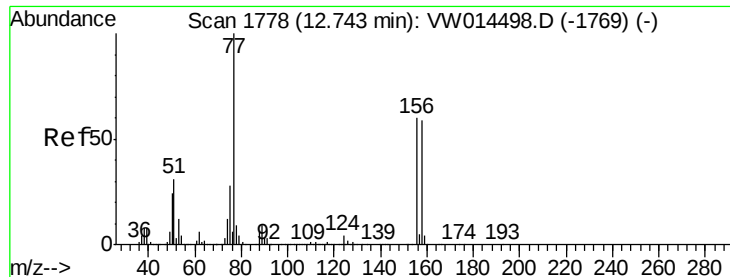
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW014498.D (-1779) (-)

Ion 77.00 (76.70 to 77.70): VW014498.D (-1779) (-)





#77

Bromobenzene

Concen: 21.468 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS01

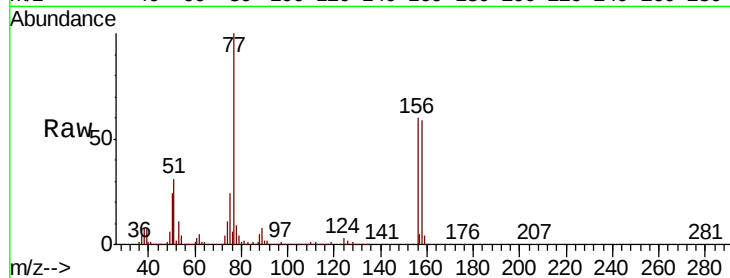
Tot Ion:156 Resp: 172567

Ion Ratio Lower Upper

156 100

77 183.7 92.3 277.1

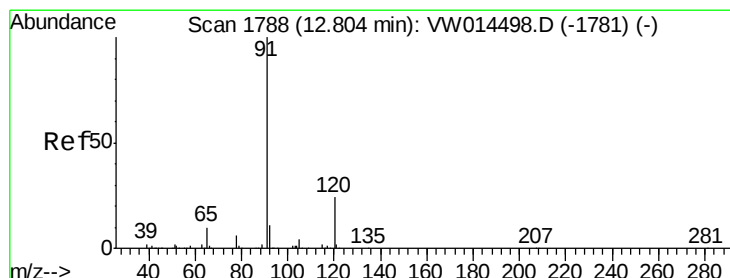
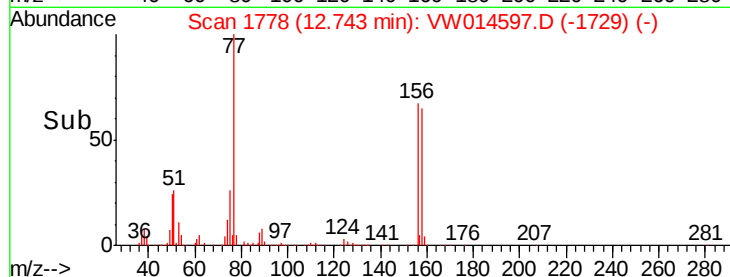
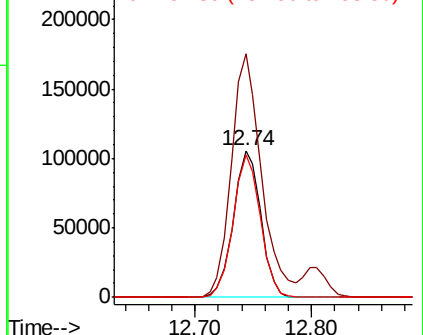
158 96.7 48.6 145.9



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: 22.133 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW014597.D

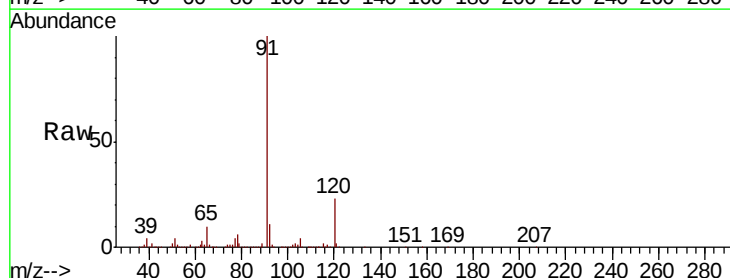
Acq: 10 Jan 2020 14:14

Tgt Ion: 91 Resp: 900756

Ion Ratio Lower Upper

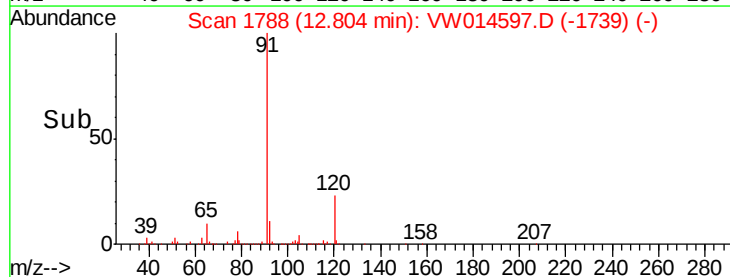
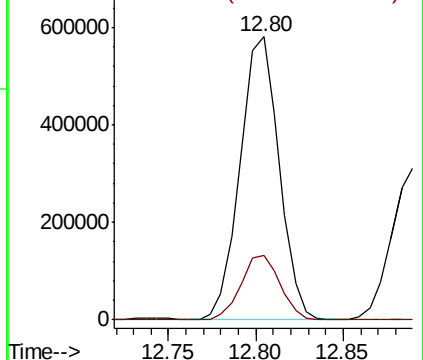
91 100

120 23.1 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: 21.814 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

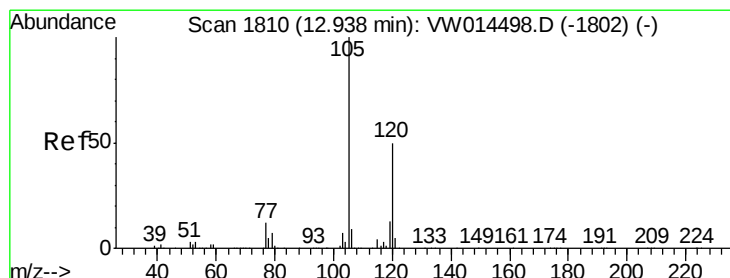
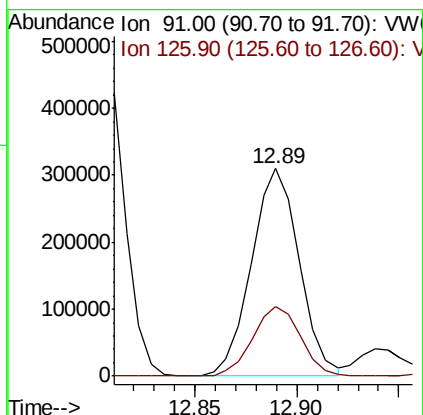
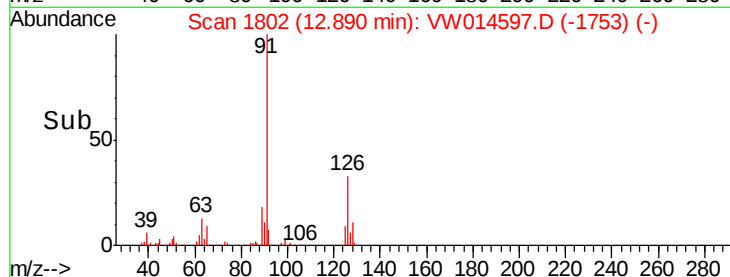
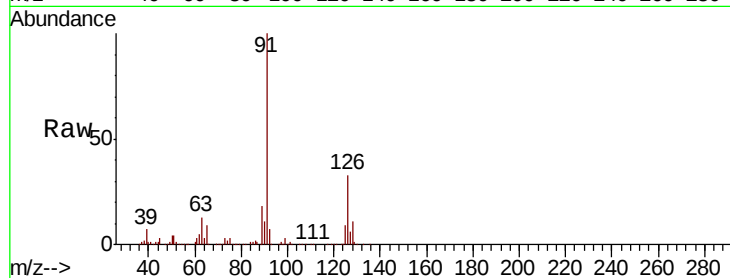
VW0110SBS01

Tot Ion: 91 Resp: 505210

Ion Ratio Lower Upper

91 100

126 33.5 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 22.017 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW014597.D

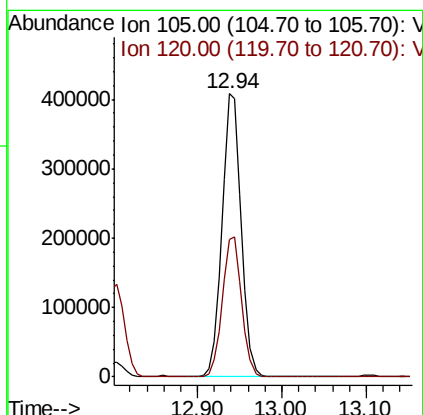
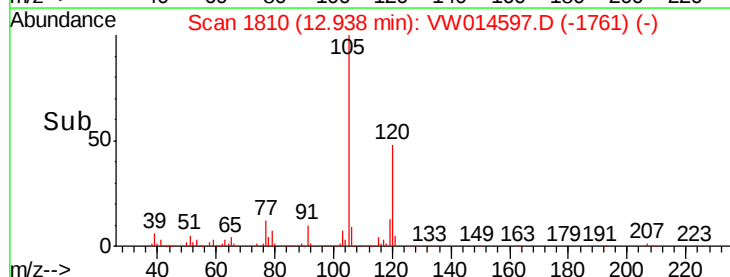
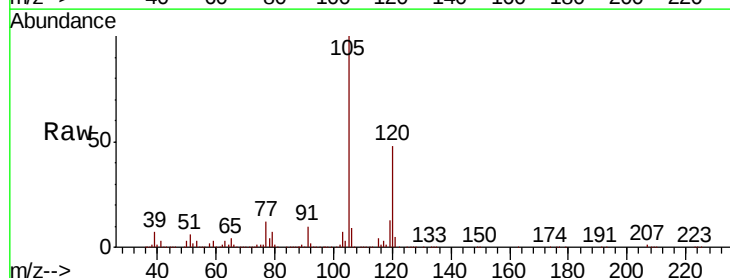
Acq: 10 Jan 2020 14:14

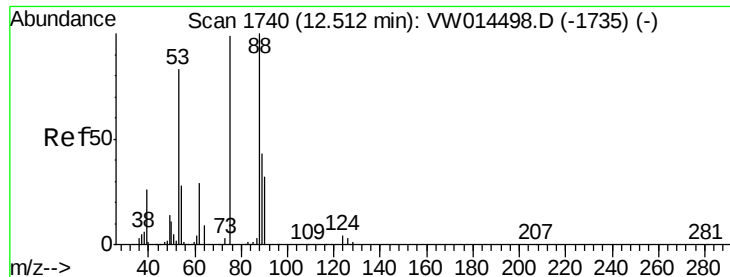
Tgt Ion:105 Resp: 639826

Ion Ratio Lower Upper

105 100

120 49.8 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.695 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS01

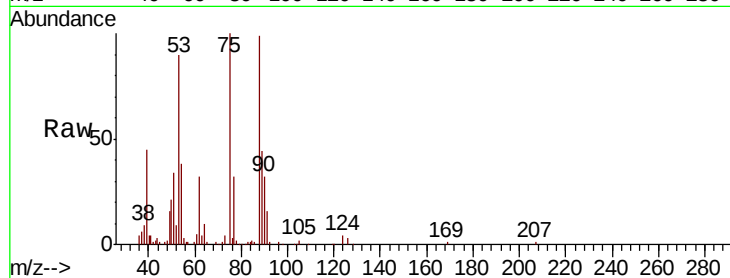
Tot Ion: 75 Resp: 39422

Ion Ratio Lower Upper

75 100

53 95.8 70.9 106.3

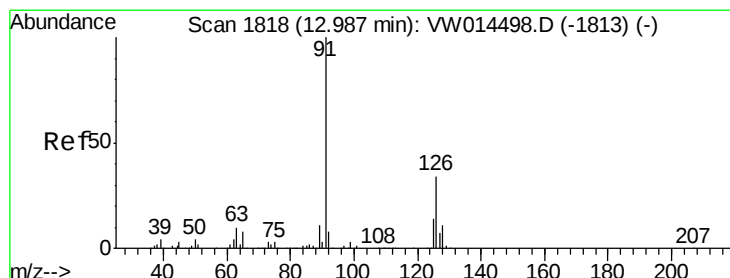
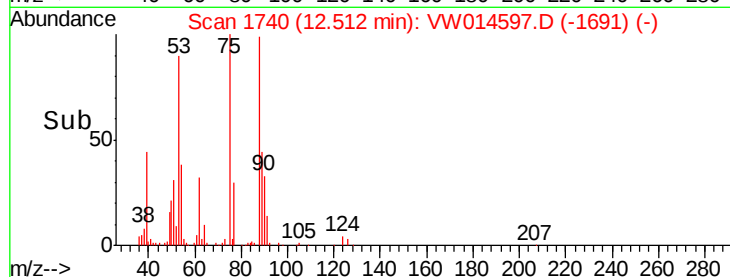
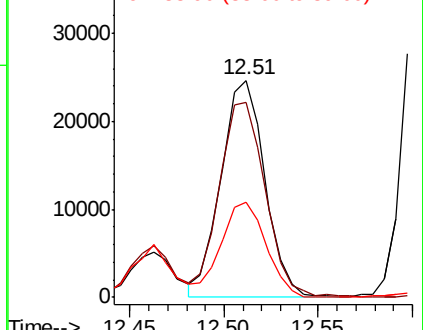
89 46.0 35.8 53.8



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



#82

4-Chlorotoluene

Concen: 21.844 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW014597.D

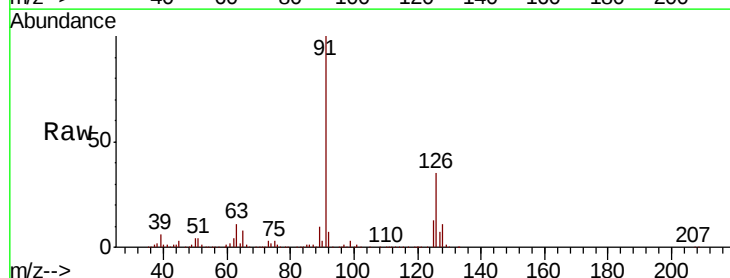
Acq: 10 Jan 2020 14:14

Tgt Ion: 91 Resp: 525612

Ion Ratio Lower Upper

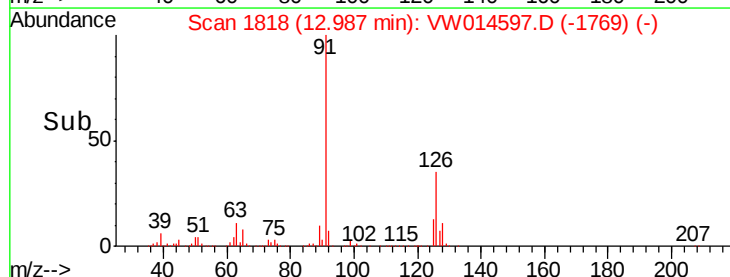
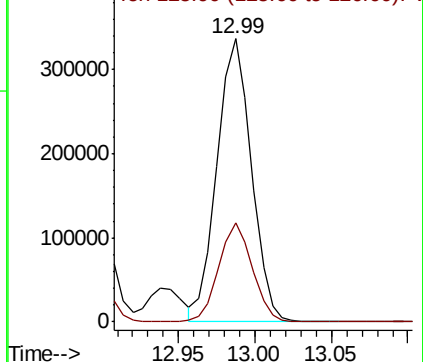
91 100

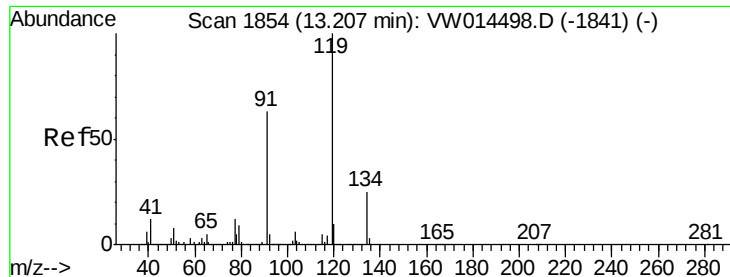
126 34.3 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): VW

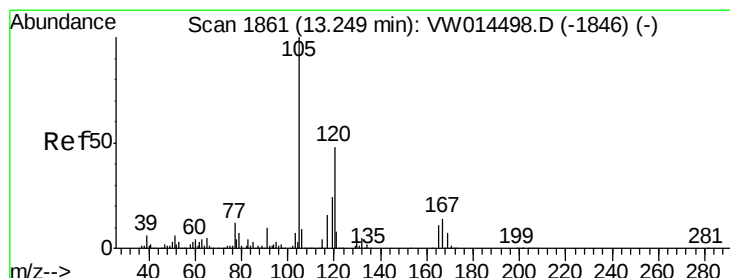
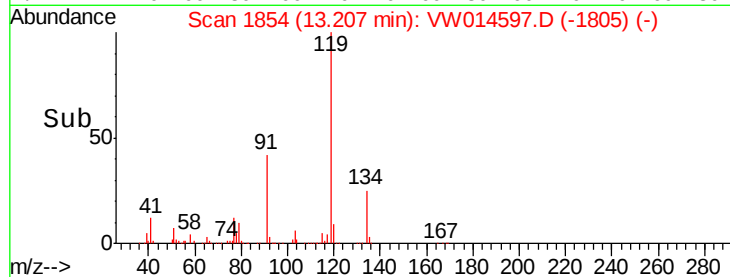
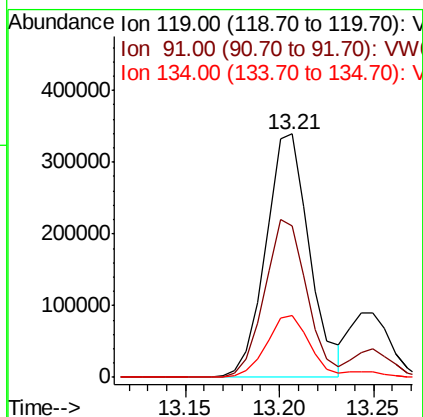
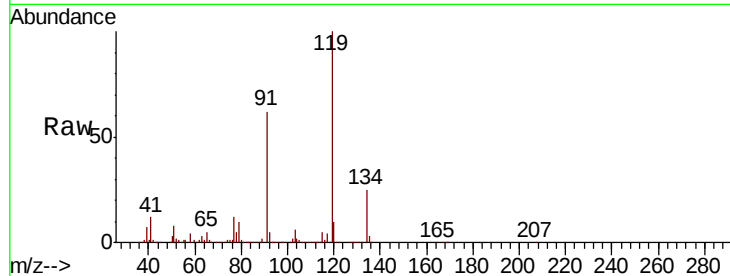




#83
 tert-Butylbenzene
 Concen: 21.493 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW014597.D
 Acq: 10 Jan 2020 14:14

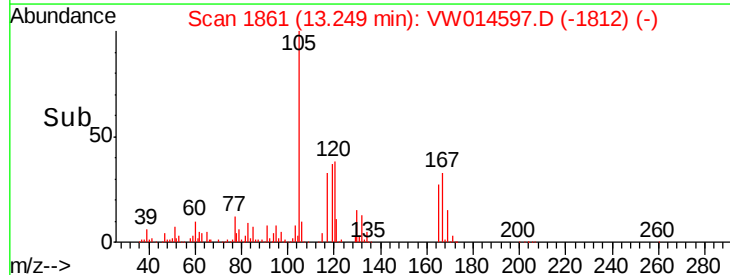
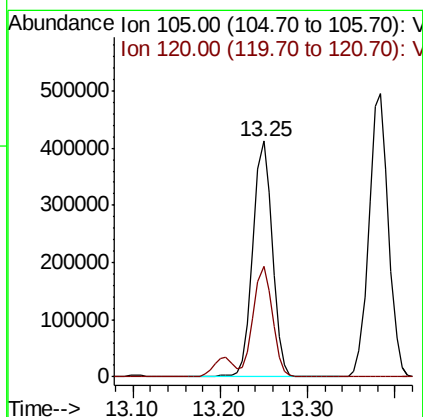
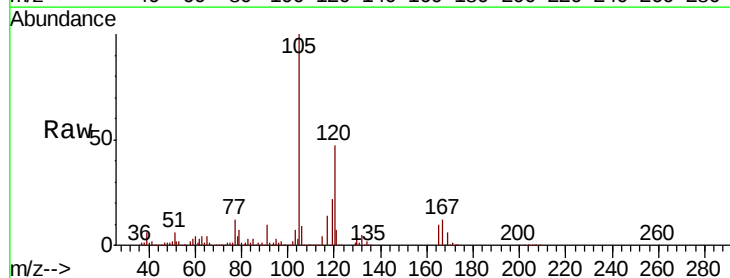
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS01

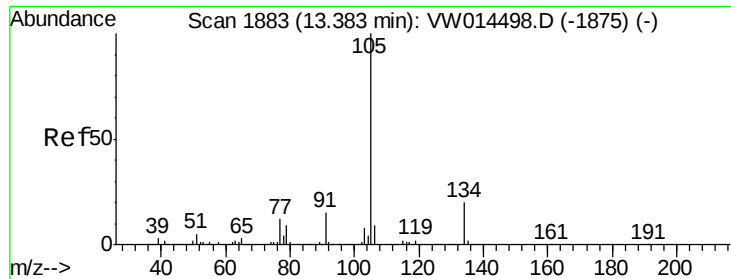
Tot Ion:119 Resp: 546843
 Ion Ratio Lower Upper
 119 100
 91 62.9 31.1 93.3
 134 27.0 13.5 40.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.909 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW014597.D
 Acq: 10 Jan 2020 14:14

Tgt Ion:105 Resp: 633590
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.4 70.0





#85

sec-Butylbenzene

Concen: 21.886 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampled :

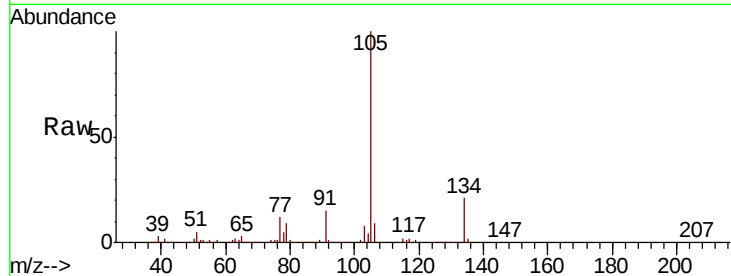
VW0110SBS01

Tot Ion:105 Resp: 770767

Ion Ratio Lower Upper

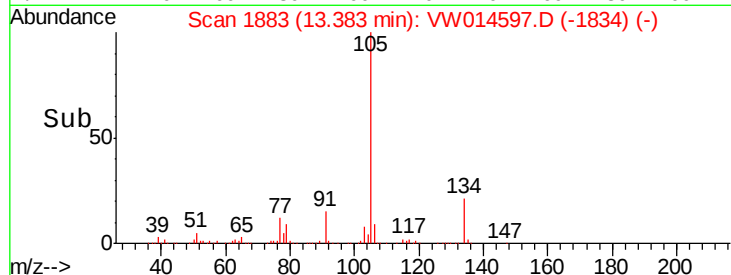
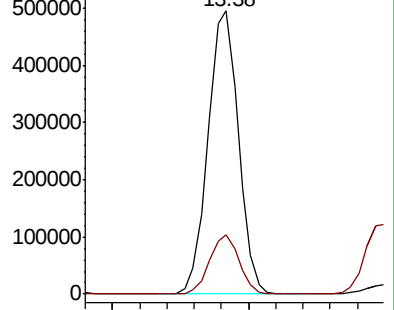
105 100

134 20.4 10.2 30.6

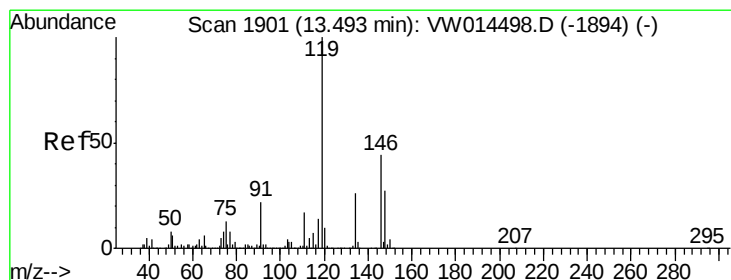


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 22.037 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

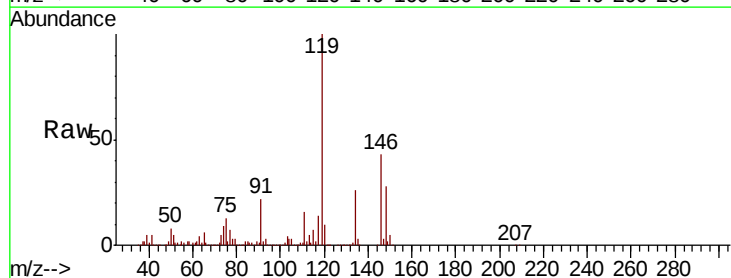
Tgt Ion:119 Resp: 707383

Ion Ratio Lower Upper

119 100

134 26.1 13.2 39.5

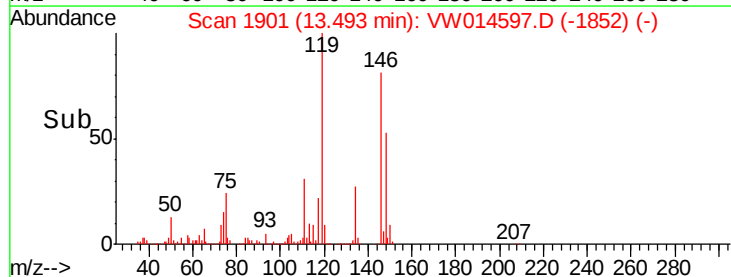
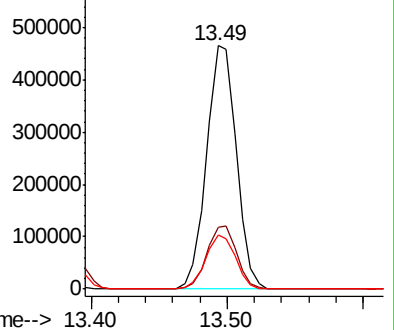
91 22.2 11.1 33.3



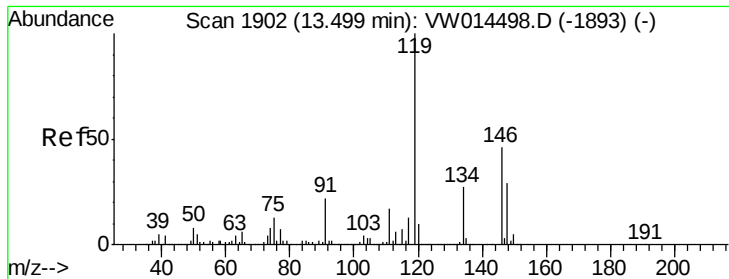
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time--> 13.40 13.50



#87

1,3-Dichlorobenzene

Concen: 21.683 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

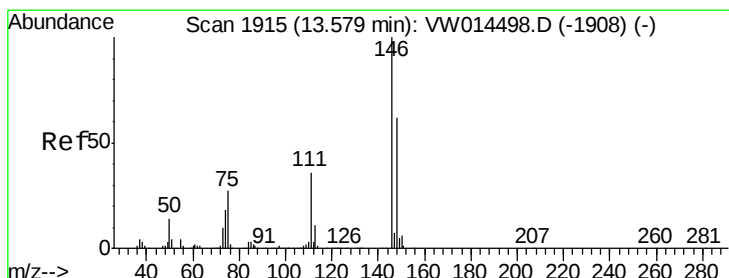
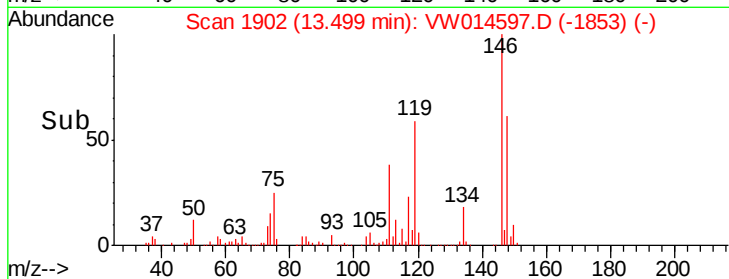
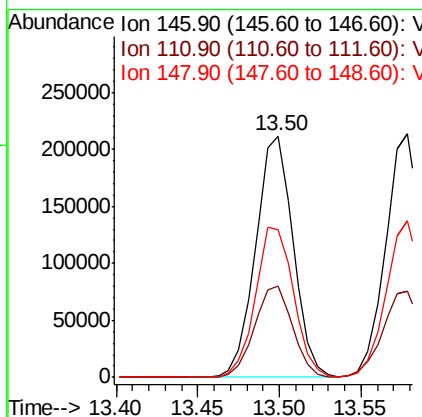
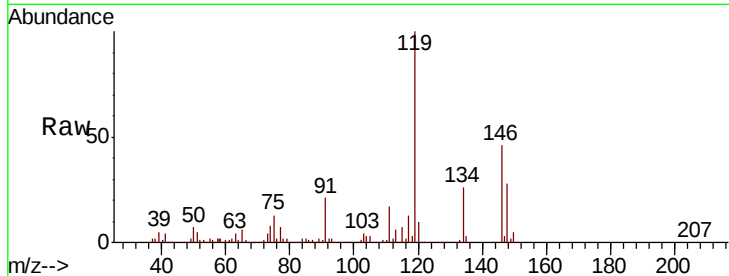
Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

Tot Ion:146 Resp: 338937

Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.9
148	63.4	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 21.832 ug/l

RT: 13.58 min Scan# 1915

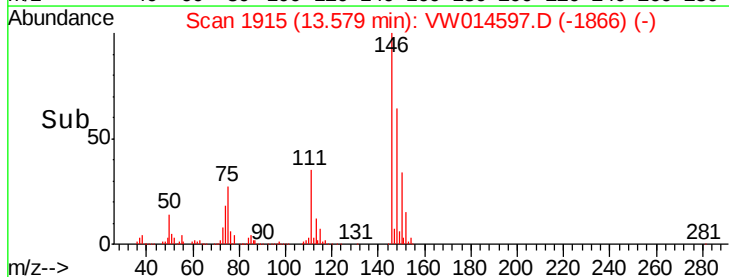
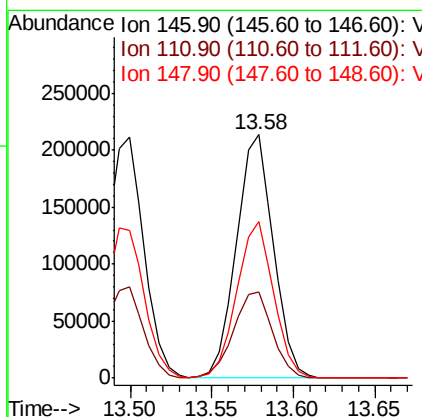
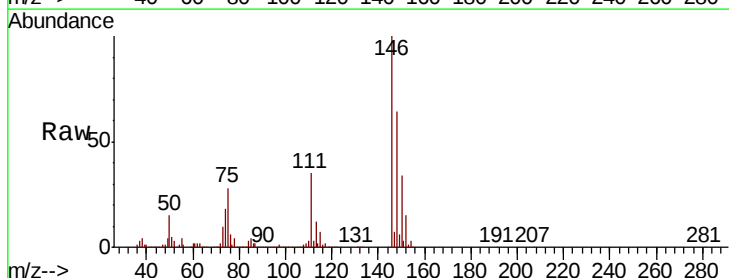
Delta R.T. 0.00 min

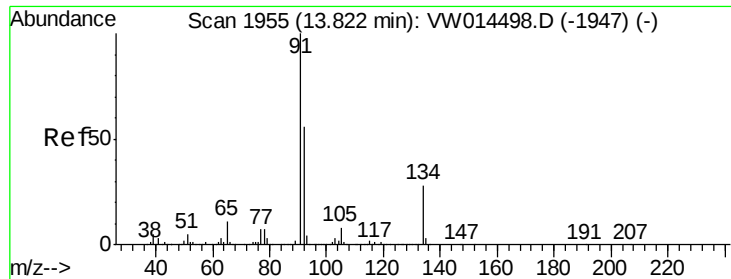
Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Tgt Ion:146 Resp: 336917

Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	64.0	31.7	95.1





#89

n-Butylbenzene

Concen: 21.827 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW014597.D

Acq: 10 Jan 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS01

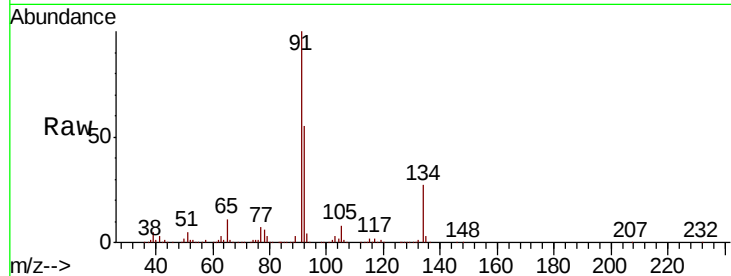
Tot Ion: 91 Resp: 650643

Ion Ratio Lower Upper

91 100

92 54.8 27.5 82.5

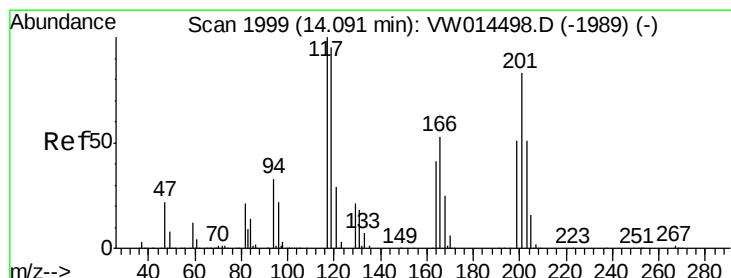
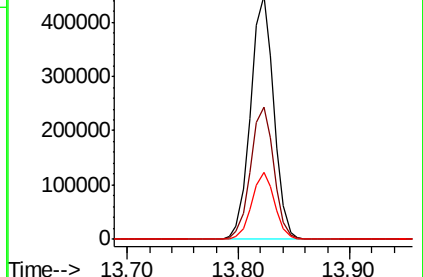
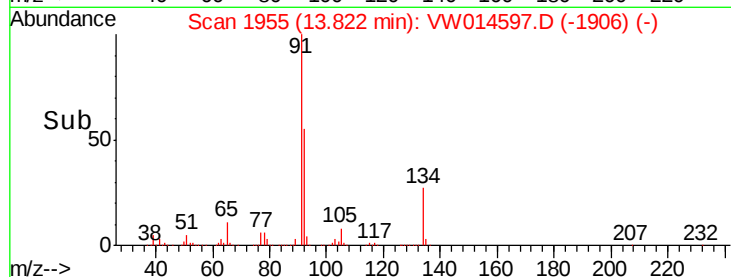
134 27.2 13.7 41.1



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): VW



#90

Hexachloroethane

Concen: 20.774 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW014597.D

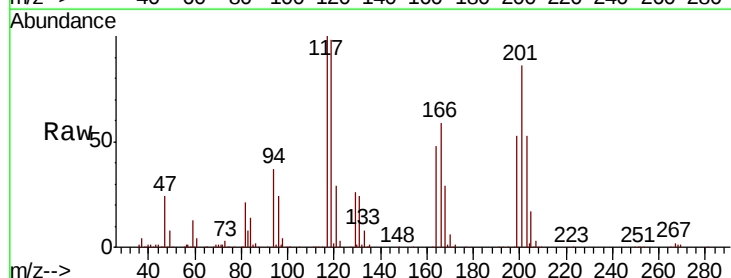
Acq: 10 Jan 2020 14:14

Tgt Ion: 117 Resp: 116497

Ion Ratio Lower Upper

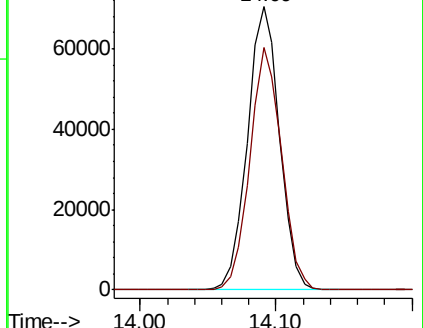
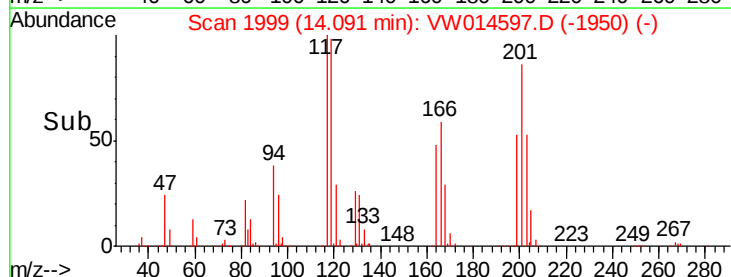
117 100

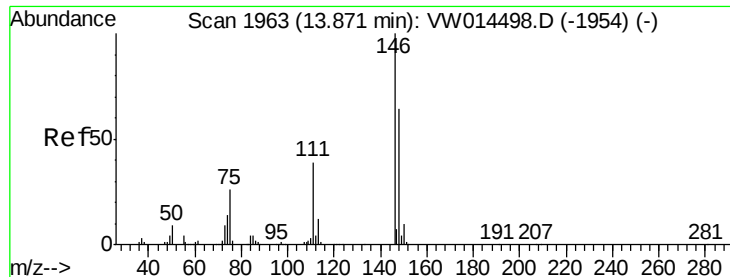
201 84.4 43.0 128.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

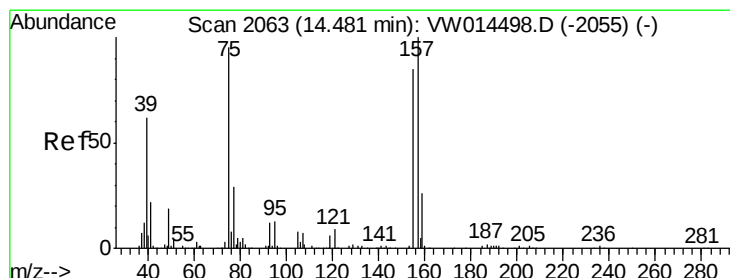
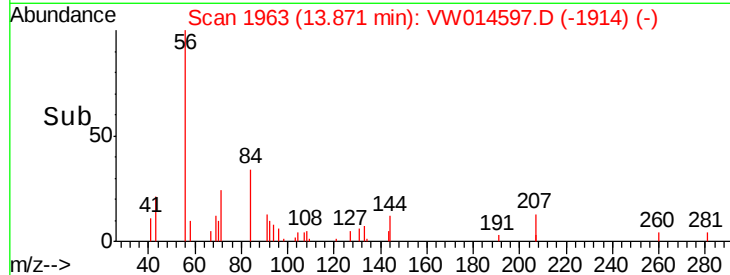
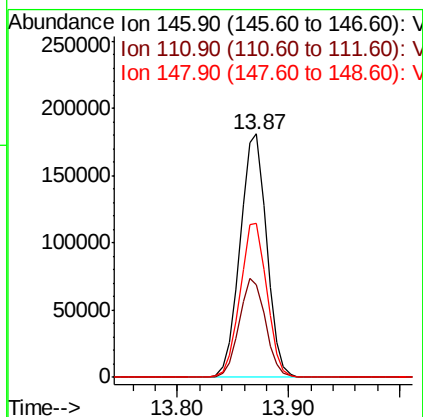
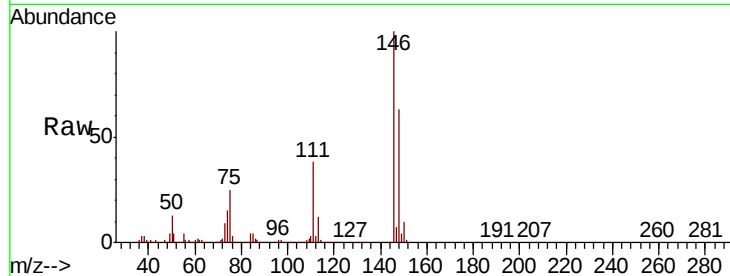




#91
 1,2-Dichlorobenzene
 Concen: 21.761 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW014597.D
 Acq: 10 Jan 2020 14:14

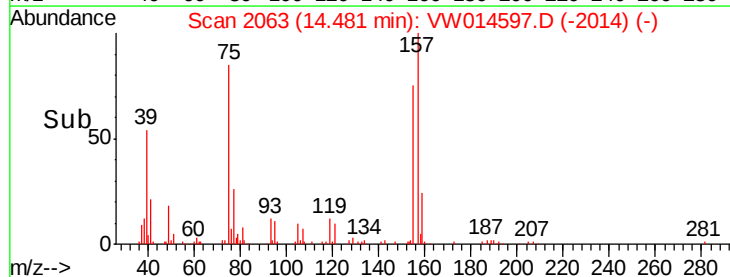
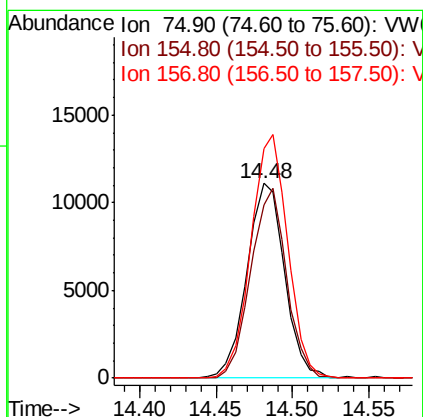
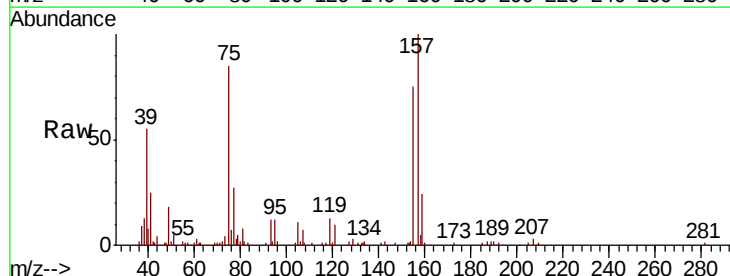
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS01

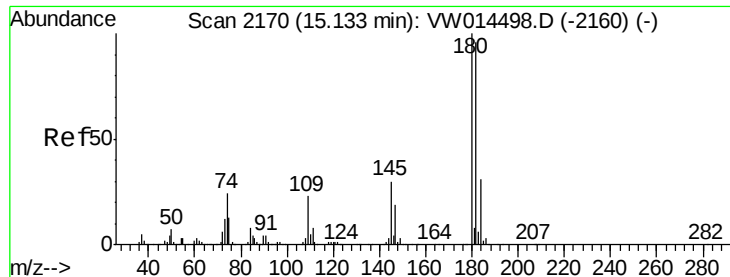
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.4	61.3
148	63.8	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.275 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014597.D
 Acq: 10 Jan 2020 14:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	45.8	137.4
157	121.5	58.1	174.2

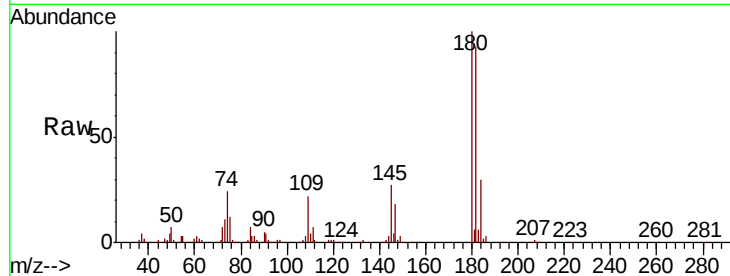




#93
 1,2,4-Trichlorobenzene
 Concen: 21.342 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014597.D
 Acq: 10 Jan 2020 14:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.3	141.8
145	28.9	14.7	44.1

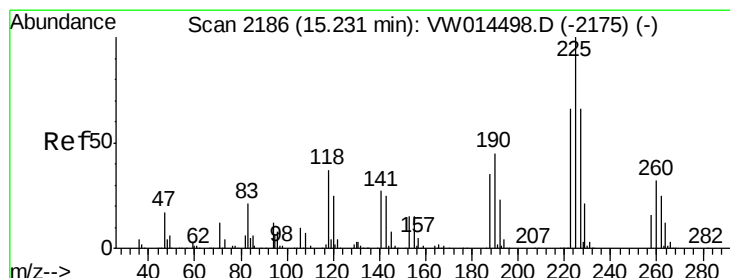
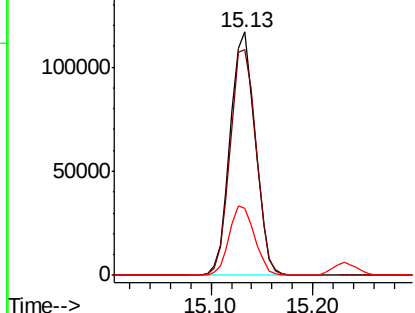
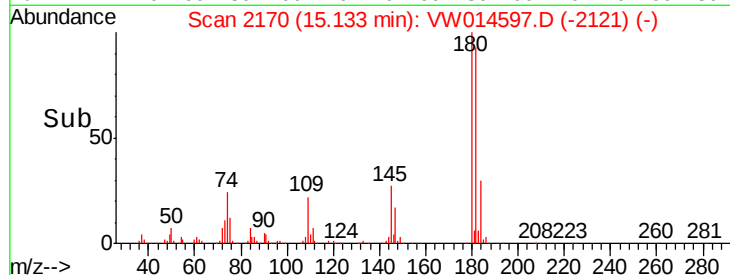


Abundance

Ion 179.80 (179.50 to 180.50): V

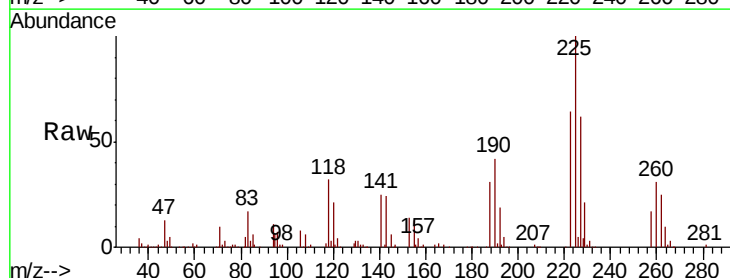
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 22.319 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW014597.D
 Acq: 10 Jan 2020 14:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	32.4	97.2
227	62.5	32.6	97.8

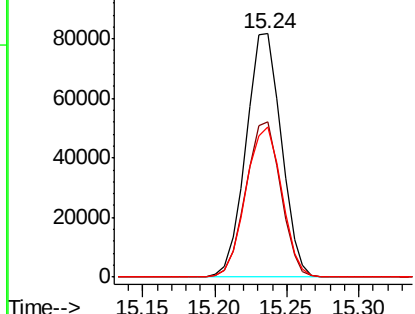
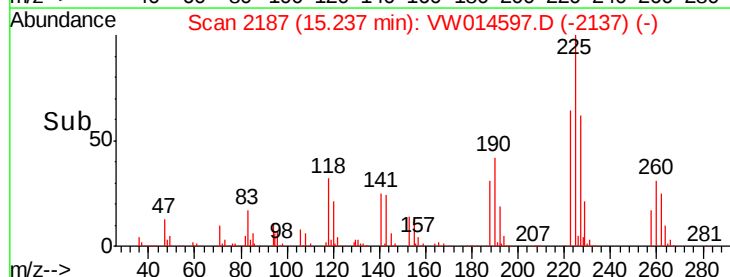


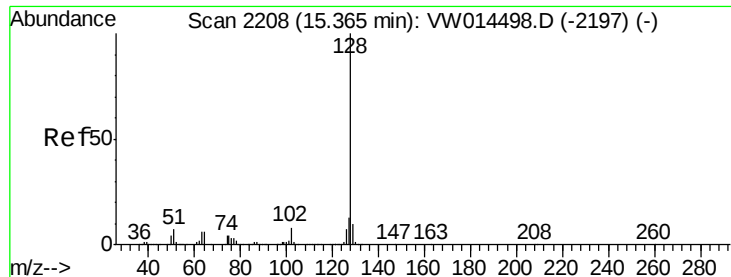
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

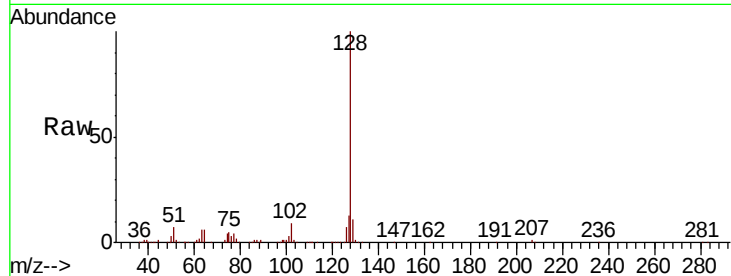




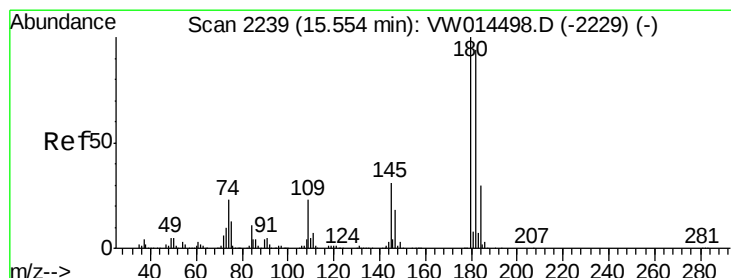
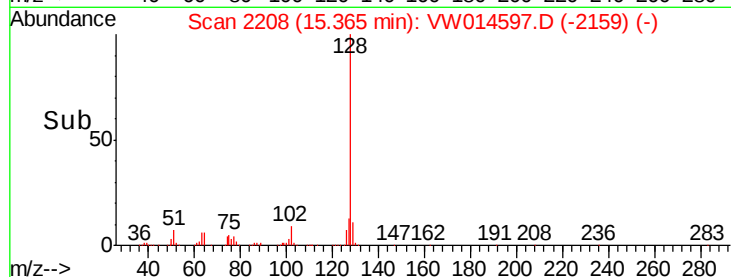
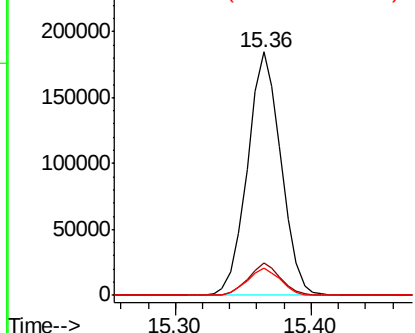
#95
Naphthalene
Concen: 20.173 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

Tot Ion:128 Resp: 319192
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 11.1 8.7 13.1

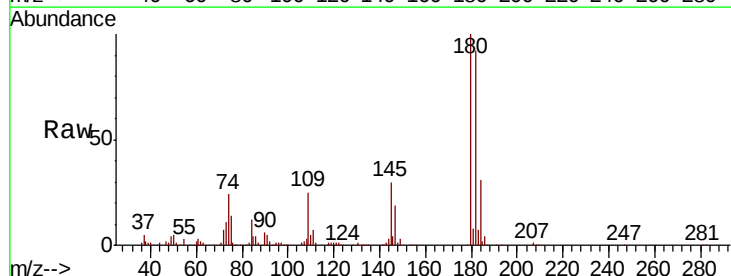


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.384 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW014597.D
Acq: 10 Jan 2020 14:14

Tgt Ion:180 Resp: 172931
Ion Ratio Lower Upper
180 100
182 94.0 47.4 142.2
145 30.0 15.5 46.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

