

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010720\
 Data File : VW014543.D
 Acq On : 07 Jan 2020 13:09
 Operator : SY/VA
 Sample : VW0107SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 08 05:47:04 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	673300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1024455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	889685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	452050	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	318210	54.06	ug/l	0.00
Spiked Amount			Recovery	=	108.12%	
35) Dibromofluoromethane	7.88	113	311442	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	
50) Toluene-d8	10.32	98	1289233	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	
62) 4-Bromofluorobenzene	12.62	95	436223	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	83607	21.993	ug/l	97
3) Chloromethane	2.21	50	113880	24.473	ug/l	98
4) Vinyl Chloride	2.36	62	162196	23.699	ug/l	99
5) Bromomethane	2.77	94	102161	24.163	ug/l	98
6) Chloroethane	2.92	64	91881	23.551	ug/l	94
7) Trichlorofluoromethane	3.25	101	69889	20.409	ug/l	95
8) Diethyl Ether	3.68	74	78752	23.114	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	145411	22.727	ug/l	98
10) Methyl Iodide	4.27	142	217976	22.579	ug/l	98
11) Tert butyl alcohol	5.15	59	47373	89.663	ug/l	100
12) 1,1-Dichloroethene	4.04	96	150792	22.505	ug/l	97
13) Acrolein	3.89	56	53742	104.597	ug/l	97
14) Allyl chloride	4.66	41	235820	23.031	ug/l	100
15) Acrylonitrile	5.36	53	173067	111.127	ug/l	98
16) Acetone	4.12	43	166366	100.086	ug/l	100
17) Carbon Disulfide	4.38	76	456704	22.615	ug/l	98
18) Methyl Acetate	4.67	43	91139	22.703	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	193702	23.289	ug/l	98
20) Methylene Chloride	4.91	84	173135	23.343	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	161142	22.650	ug/l	98
22) Diisopropyl ether	6.31	45	470896	24.570	ug/l	97
23) Vinyl Acetate	6.25	43	1305414	112.798	ug/l	98
24) 1,1-Dichloroethane	6.21	63	282476	23.366	ug/l	100
25) 2-Butanone	7.16	43	224230	105.116	ug/l	100
26) 2,2-Dichloropropane	7.16	77	149426	22.325	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	171468	22.937	ug/l	97
28) Bromochloromethane	7.51	49	92174	19.448	ug/l #	11
29) Tetrahydrofuran	7.53	42	142603	107.908	ug/l	98
30) Chloroform	7.67	83	271347	24.002	ug/l	98
31) Cyclohexane	7.95	56	270755	21.551	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	211560	23.269	ug/l	98
36) 1,1-Dichloropropene	8.08	75	222515	22.530	ug/l	99
37) Ethyl Acetate	7.25	43	99295	22.168	ug/l	98
38) Carbon Tetrachloride	8.07	117	191045	22.297	ug/l	97

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 08 05:47:04 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	9.34	83	263177	20.765	ug/l	99
40) Benzene	8.32	78	648163	23.196	ug/l	99
41) Methacrylonitrile	7.48	41	56591	22.665	ug/l	94
42) 1,2-Dichloroethane	8.40	62	167779	23.137	ug/l	100
43) Isopropyl Acetate	8.42	43	178181	21.907	ug/l	98
44) Trichloroethene	9.09	130	169655	22.437	ug/l	95
45) 1,2-Dichloropropane	9.37	63	163395	23.829	ug/l	98
46) Dibromomethane	9.46	93	77165	22.796	ug/l	99
47) Bromodichloromethane	9.64	83	196916	23.562	ug/l	99
48) Methyl methacrylate	9.43	41	80222	20.201	ug/l	95
49) 1,4-Dioxane	9.44	88	24877	392.920	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	462147	109.414	ug/l	99
52) Toluene	10.38	92	408644	23.246	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	194510	22.479	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	239047	22.604	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	112627	22.781	ug/l	98
56) Ethyl methacrylate	10.65	69	138696	21.587	ug/l	99
57) 1,3-Dichloropropane	10.93	76	199242	22.930	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	201978	103.363	ug/l	99
59) 2-Hexanone	10.96	43	315887	108.530	ug/l	98
60) Dibromochloromethane	11.13	129	126964	22.761	ug/l	100
61) 1,2-Dibromoethane	11.23	107	103470	22.048	ug/l	98
64) Tetrachloroethene	10.86	164	144537	22.440	ug/l	98
65) Chlorobenzene	11.65	112	416772	22.866	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	141722	23.093	ug/l	99
67) Ethyl Benzene	11.73	91	749563	22.819	ug/l	96
68) m/p-Xylenes	11.84	106	578426	46.011	ug/l	99
69) o-Xylene	12.16	106	263484	22.690	ug/l	98
70) Styrene	12.18	104	453648	23.096	ug/l	99
71) Bromoform	12.35	173	71933	21.489	ug/l #	97
73) Isopropylbenzene	12.46	105	717812	21.641	ug/l	99
74) N-amyl acetate	12.27	43	160015	21.515	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	128535	21.469	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	162150	37.938	ug/l #	100
77) Bromobenzene	12.74	156	169170	21.959	ug/l	99
78) n-propylbenzene	12.80	91	861098	22.077	ug/l	99
79) 2-Chlorotoluene	12.89	91	492827	22.203	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	619733	22.252	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	39960	20.831	ug/l	95
82) 4-Chlorotoluene	12.99	91	521983	22.636	ug/l	99
83) tert-Butylbenzene	13.21	119	524263	21.501	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	616778	22.255	ug/l	100
85) sec-Butylbenzene	13.38	105	735627	21.796	ug/l	100
86) p-Isopropyltoluene	13.49	119	675624	21.962	ug/l	100
87) 1,3-Dichlorobenzene	13.49	146	331102	22.102	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	330365	22.338	ug/l	98
89) n-Butylbenzene	13.82	91	615998	21.562	ug/l	99
90) Hexachloroethane	14.09	117	112888	21.005	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	299263	22.729	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19718	20.798	ug/l	97

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Quant Time: Jan 08 05:47:04 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)
93) 1,2,4-Trichlorobenzene	15.13	180	195489	21.986	ug/l	99
94) Hexachlorobutadiene	15.23	225	130676	21.931	ug/l	98
95) Naphthalene	15.36	128	306354	20.203	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	167397	21.599	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: VW014543.D

Acq: 07 Jan 2020 13:09

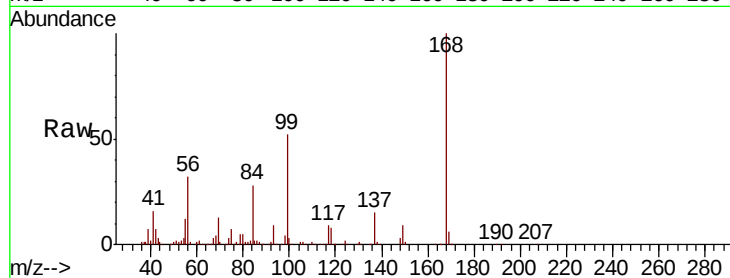
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 673300

Ion Ratio Lower Upper

168 100

99 51.6 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

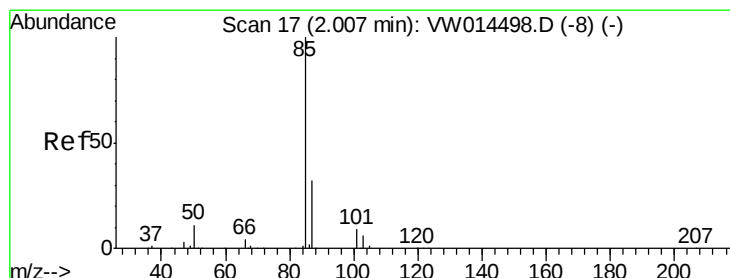
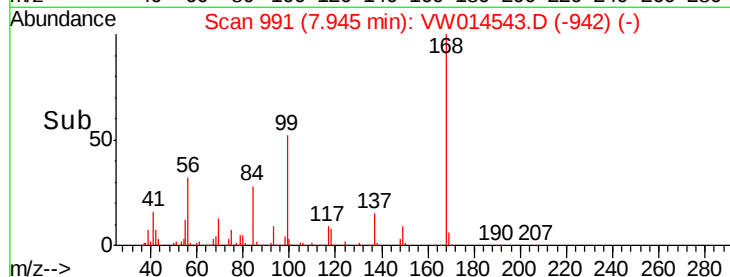
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.993 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014543.D

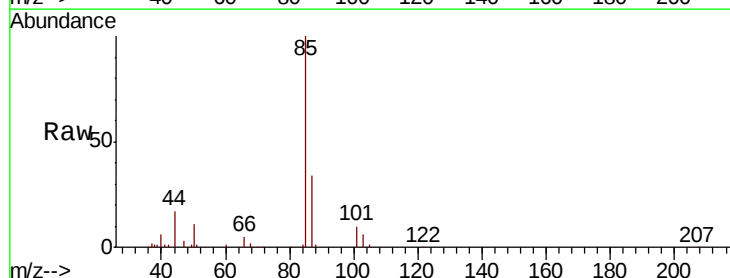
Acq: 07 Jan 2020 13:09

Tgt Ion: 85 Resp: 83607

Ion Ratio Lower Upper

85 100

87 34.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

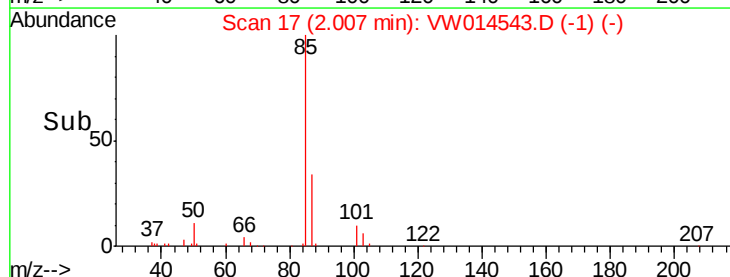
15000

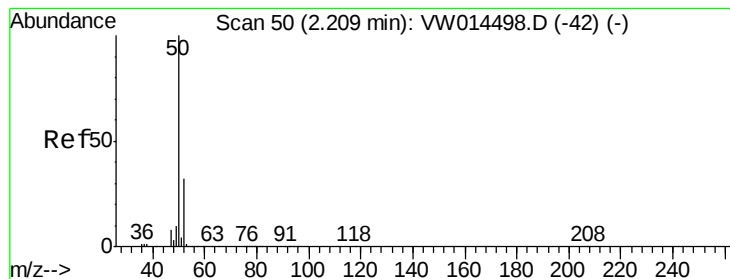
10000

5000

0

Time-->





#3

Chloromethane

Concen: 24.473 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

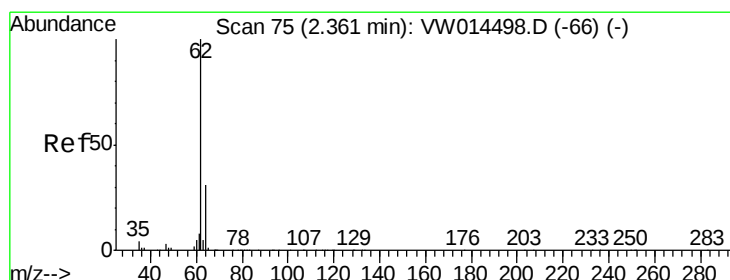
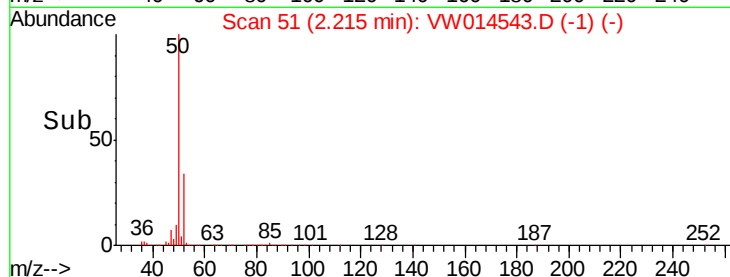
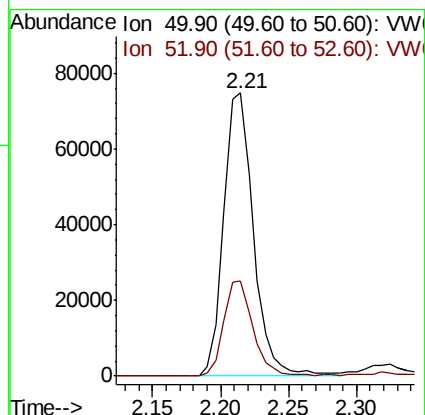
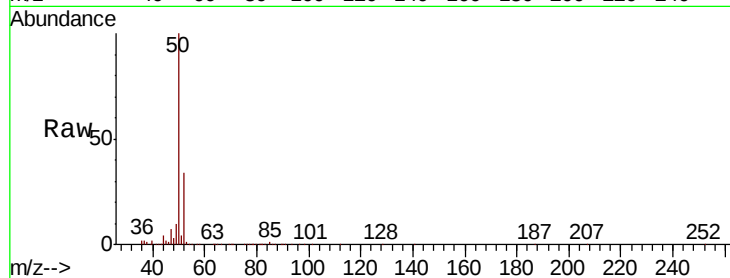
ClientSampleId :

Tot Ion: 50 Resp: 113880

Ion Ratio Lower Upper

50 100

52 33.7 25.8 38.8



#4

Vinyl Chloride

Concen: 23.699 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014543.D

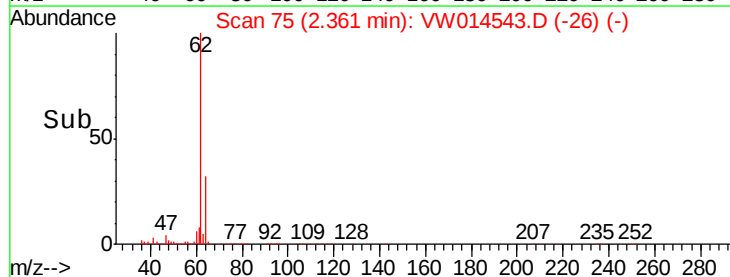
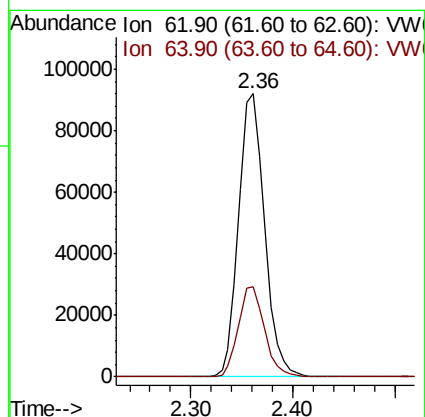
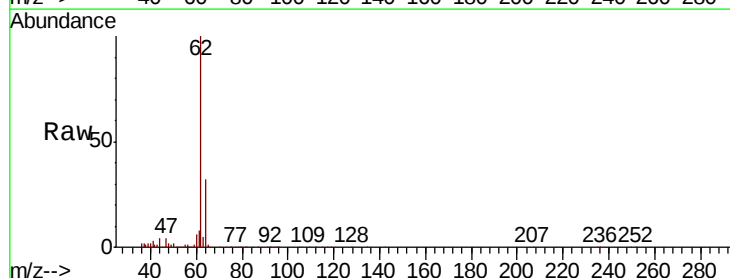
Acq: 07 Jan 2020 13:09

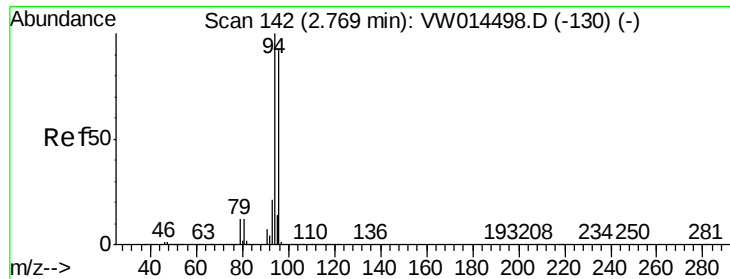
Tgt Ion: 62 Resp: 162196

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.4





#5

Bromomethane

Concen: 24.163 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

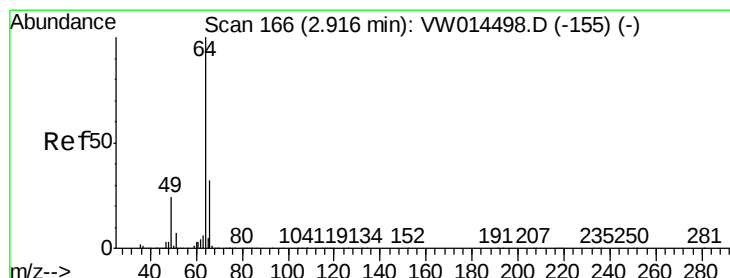
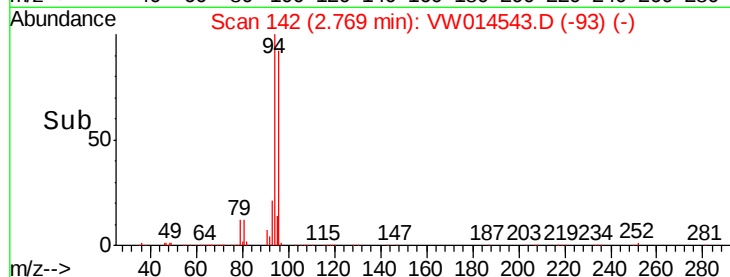
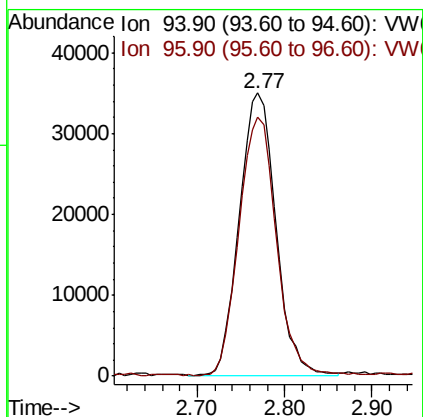
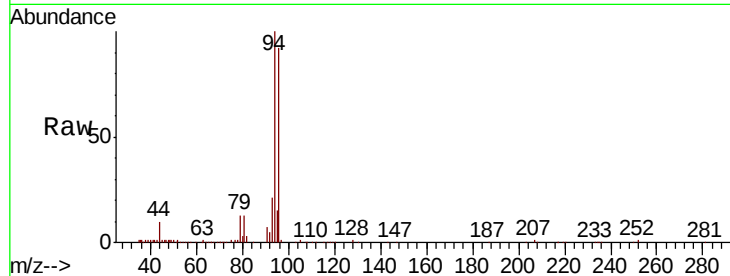
ClientSampled :

Tot Ion: 94 Resp: 102161

Ion Ratio Lower Upper

94 100

96 91.1 74.2 111.2



#6

Chloroethane

Concen: 23.551 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW014543.D

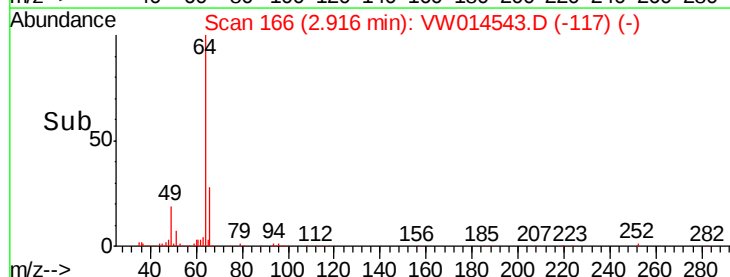
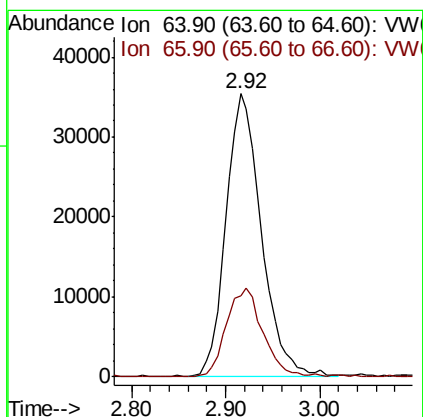
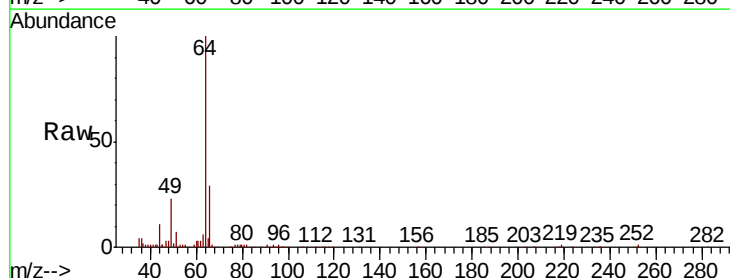
Acq: 07 Jan 2020 13:09

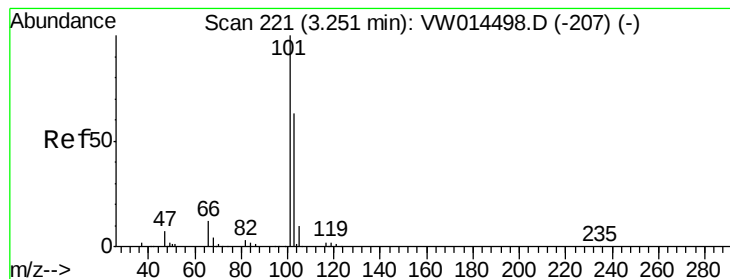
Tgt Ion: 64 Resp: 91881

Ion Ratio Lower Upper

64 100

66 28.6 25.7 38.5



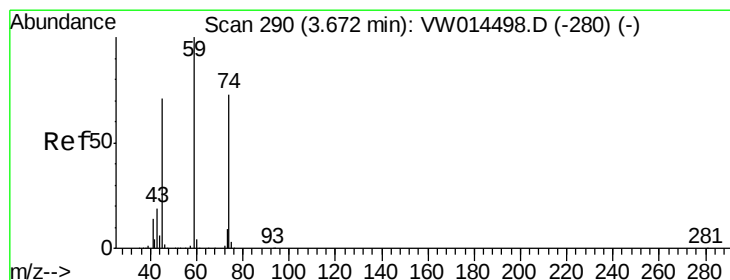
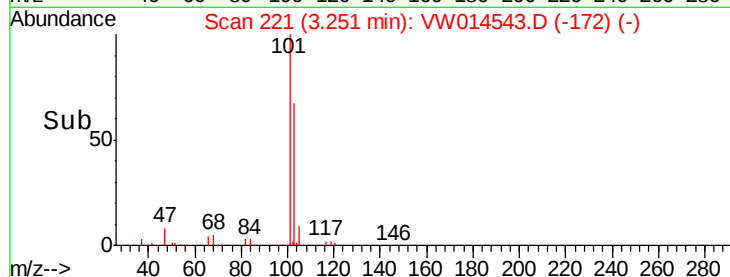
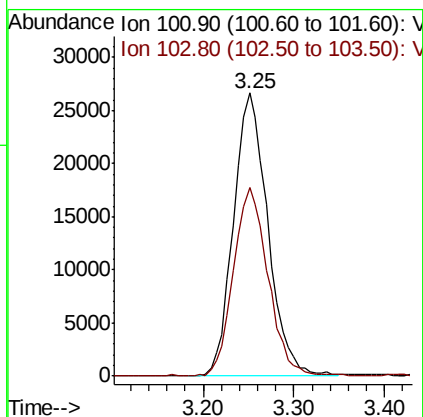
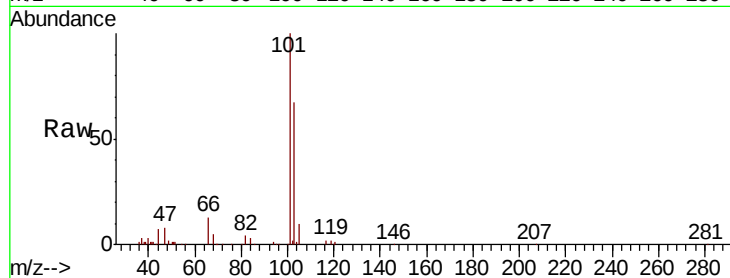


#7

Trichlorofluoromethane
 Concen: 20.409 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW014543.D
 Acq: 07 Jan 2020 13:09

Instrument :
 MSVOA_W
 ClientSampled :

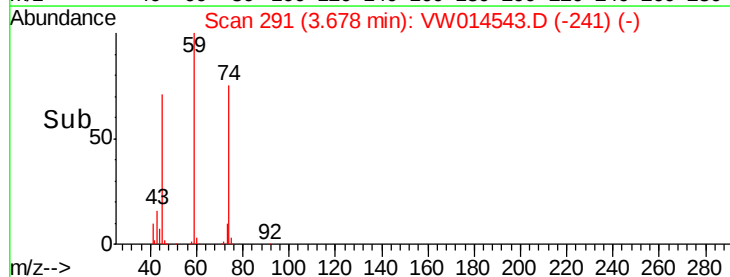
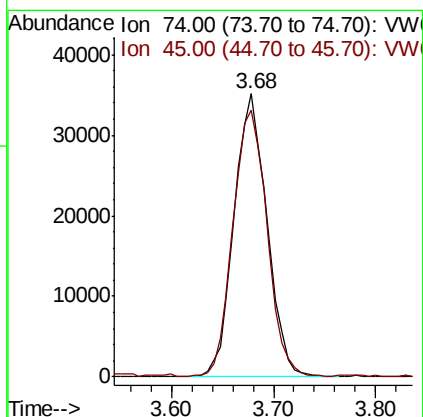
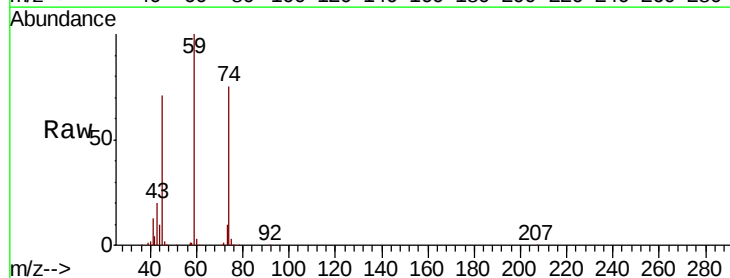
Tot Ion:101 Resp: 69889
 Ion Ratio Lower Upper
 101 100
 103 66.8 50.1 75.1

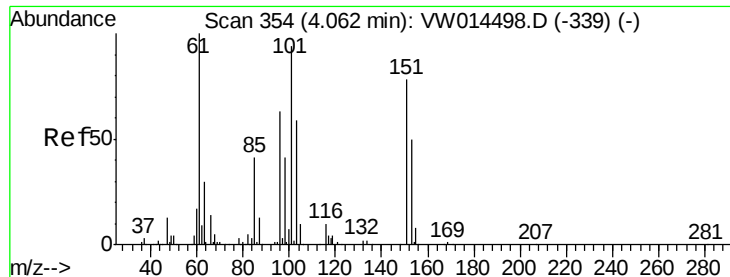


#8

Diethyl Ether
 Concen: 23.114 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.01 min
 Lab File: VW014543.D
 Acq: 07 Jan 2020 13:09

Tgt Ion: 74 Resp: 78752
 Ion Ratio Lower Upper
 74 100
 45 96.9 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.727 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

ClientSampled :

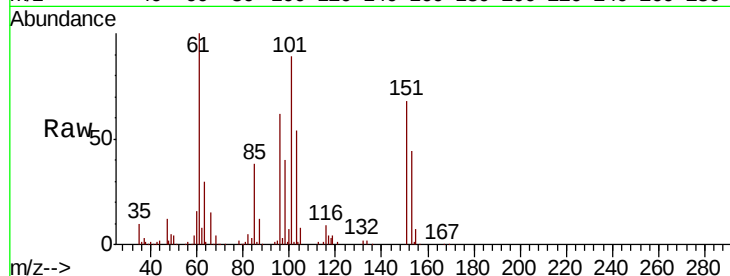
Tot Ion:101 Resp: 145411

Ion Ratio Lower Upper

101 100

85 41.0 33.7 50.5

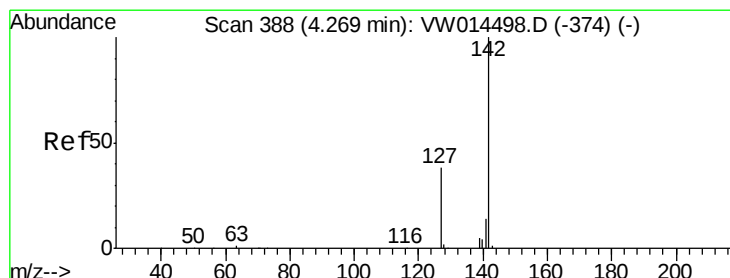
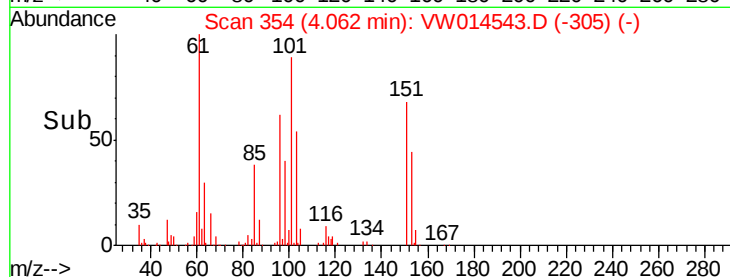
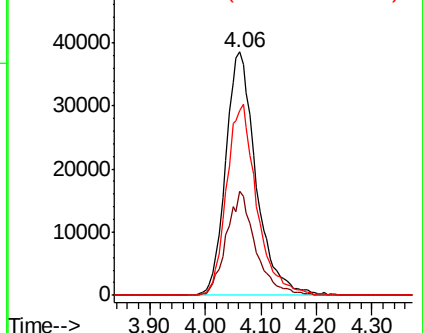
151 78.1 63.5 95.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.579 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

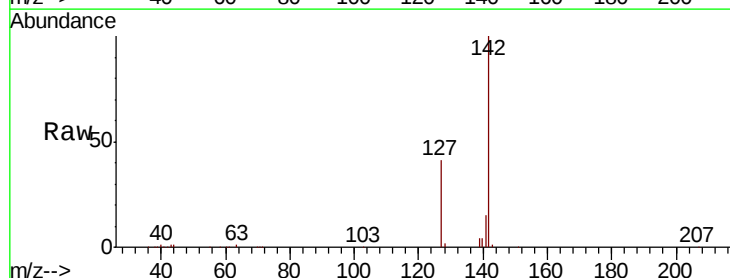
Tgt Ion:142 Resp: 217976

Ion Ratio Lower Upper

142 100

127 39.0 30.2 45.4

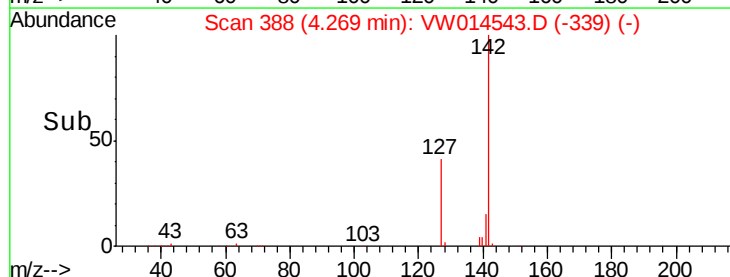
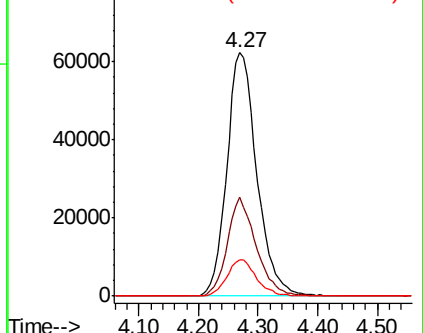
141 14.7 11.4 17.2

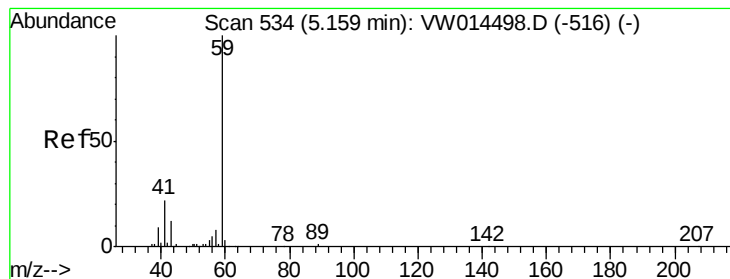


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 89.663 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

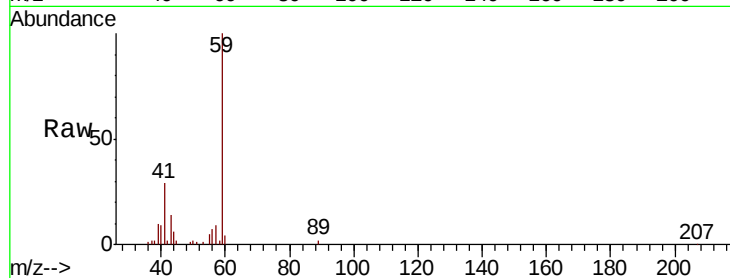
ClientSampleId :

Tot Ion: 59 Resp: 47373

Ion Ratio Lower Upper

59 100

57 9.9 7.8 11.8



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

15000

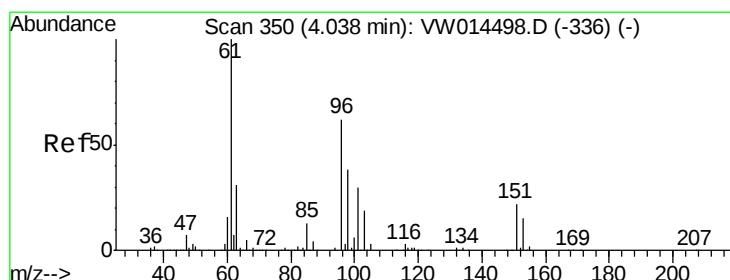
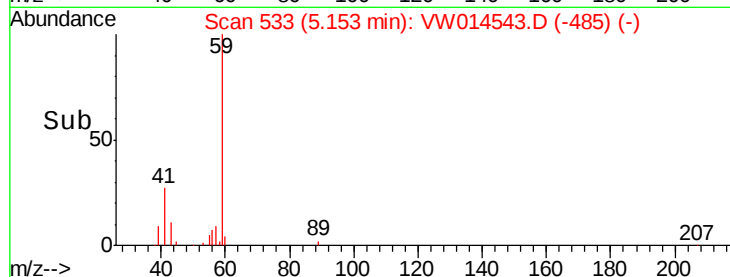
10000

5000

0

Time--> 5.00 5.10 5.20 5.30

5.15



#12

1,1-Dichloroethene

Concen: 22.505 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

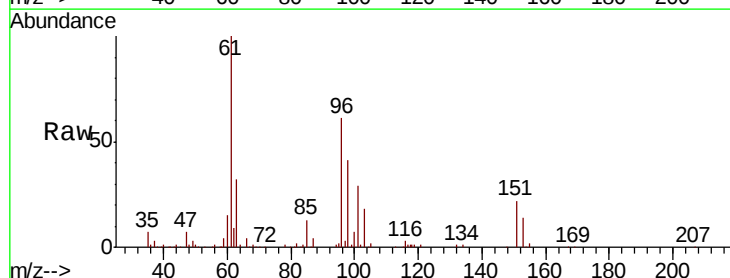
Tgt Ion: 96 Resp: 150792

Ion Ratio Lower Upper

96 100

61 163.2 128.4 192.6

98 66.6 49.1 73.7



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

100000

80000

60000

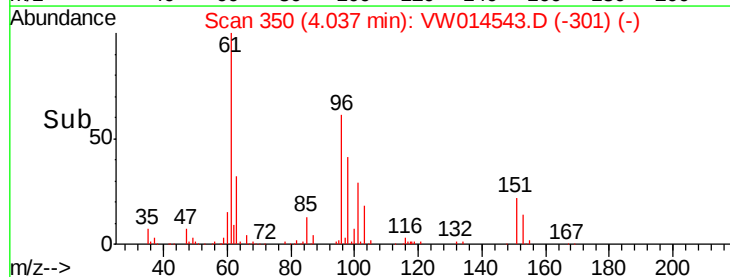
40000

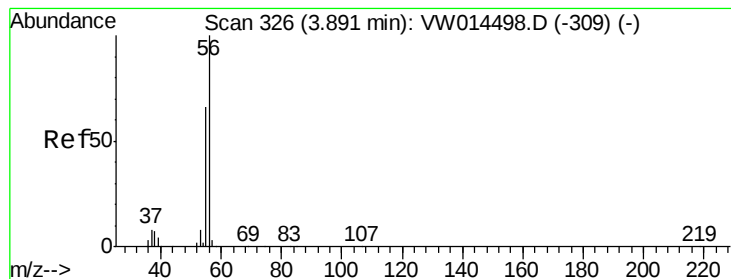
20000

0

Time--> 3.90 4.00 4.10 4.20

4.04





#13

Acrolein

Concen: 104.597 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

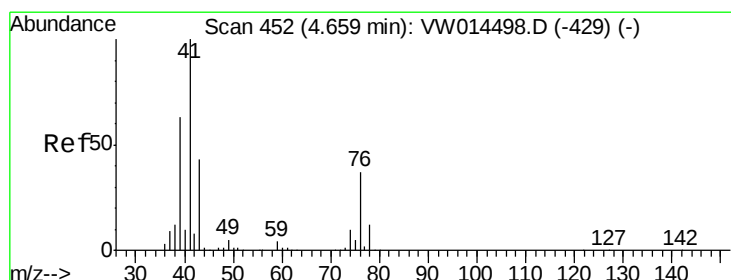
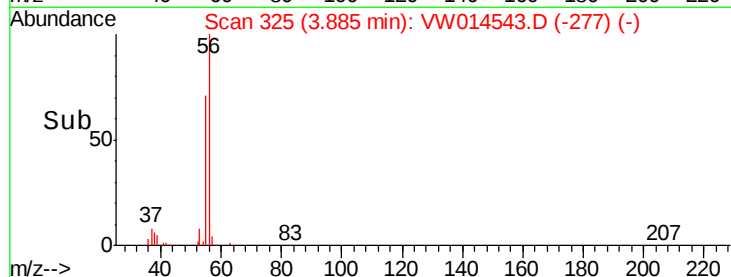
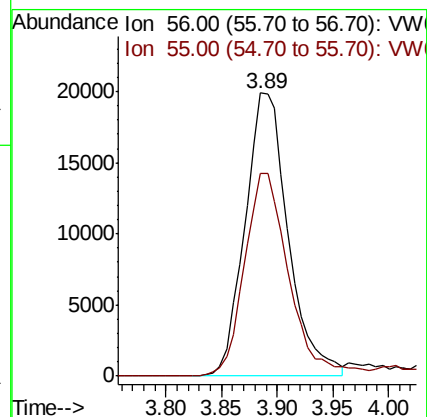
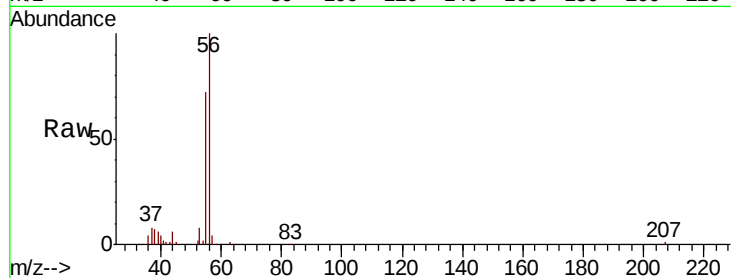
ClientSampleId :

Tot Ion: 56 Resp: 53742

Ion Ratio Lower Upper

56 100

55 73.7 56.7 85.1



#14

Allyl chloride

Concen: 23.031 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

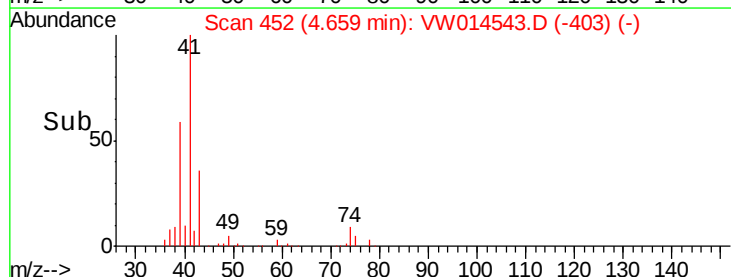
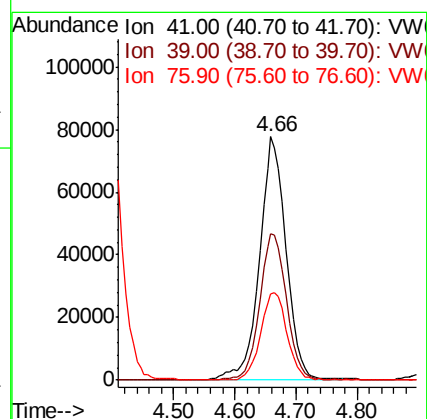
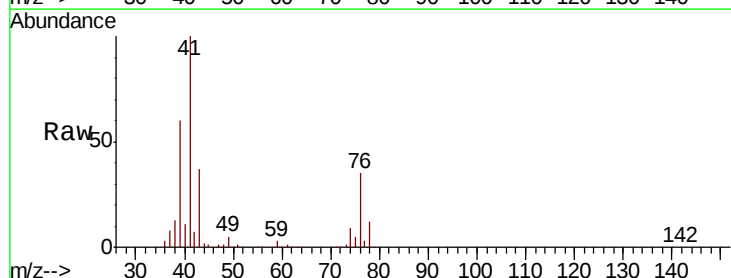
Tgt Ion: 41 Resp: 235820

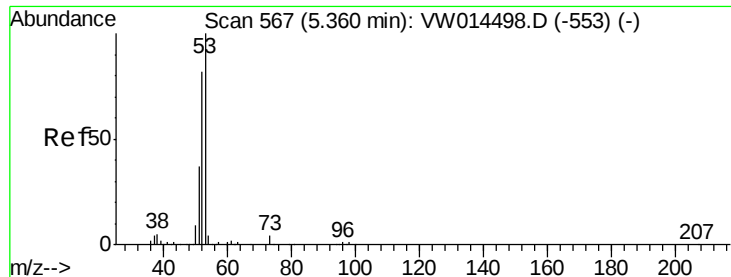
Ion Ratio Lower Upper

41 100

39 60.5 48.5 72.7

76 35.4 28.1 42.1





#15

Acrylonitrile

Concen: 111.127 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

ClientSampleId :

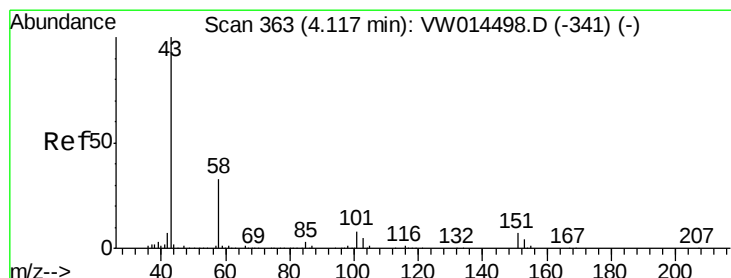
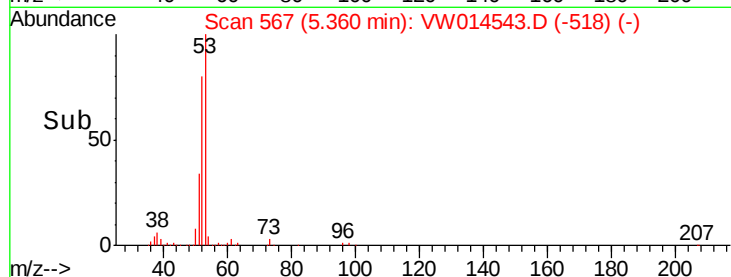
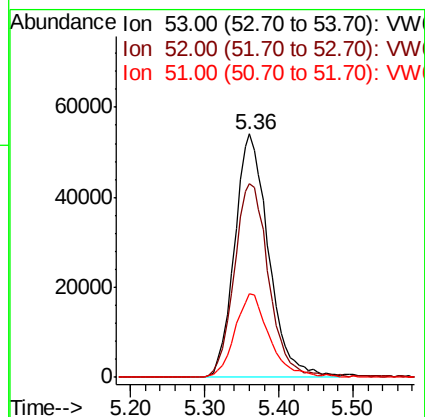
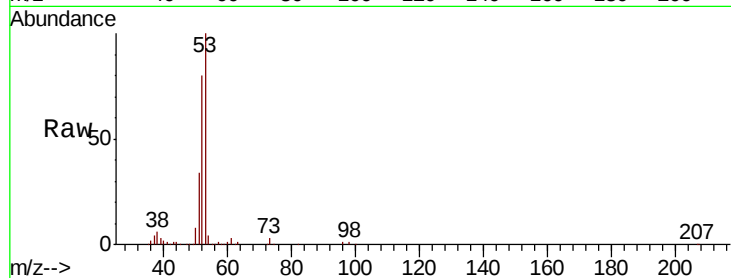
Tot Ion: 53 Resp: 173067

Ion Ratio Lower Upper

53 100

52 81.1 66.5 99.7

51 34.9 28.4 42.6



#16

Acetone

Concen: 100.086 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014543.D

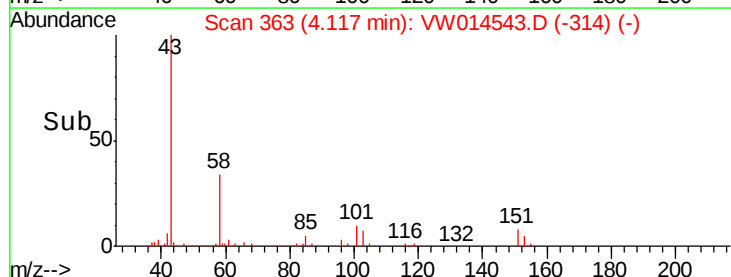
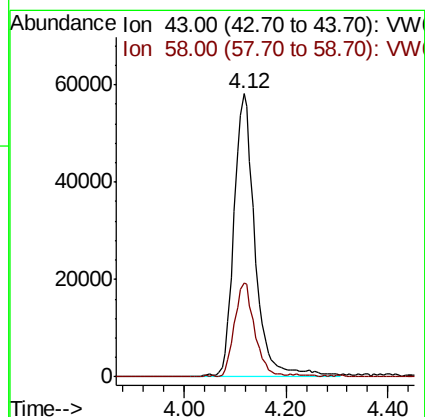
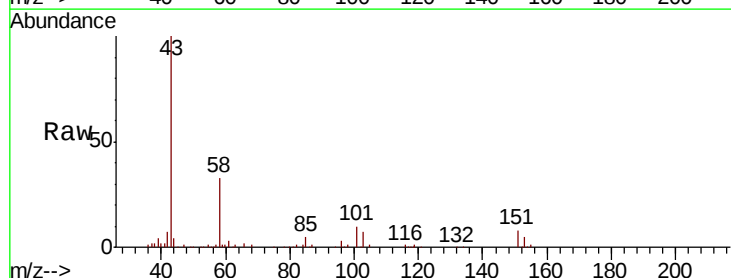
Acq: 07 Jan 2020 13:09

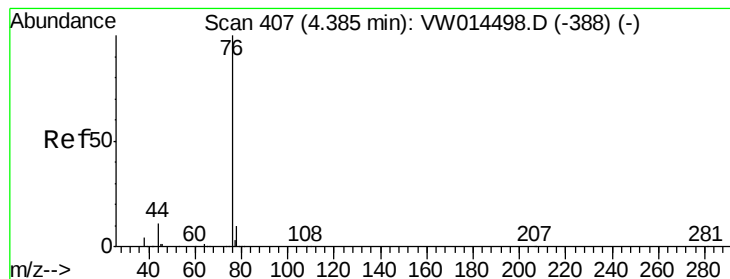
Tgt Ion: 43 Resp: 166366

Ion Ratio Lower Upper

43 100

58 33.4 26.6 39.8





#17

Carbon Disulfide

Concen: 22.615 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

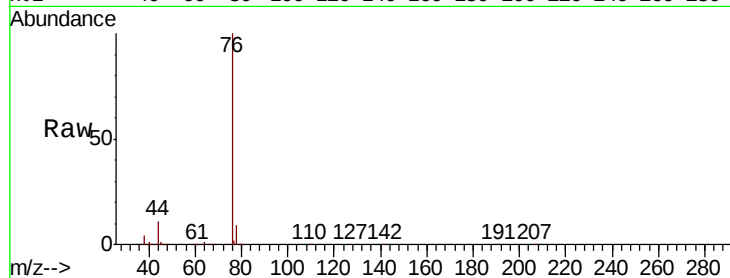
ClientSampleId :

Tot Ion: 76 Resp: 456704

Ion Ratio Lower Upper

76 100

78 8.8 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

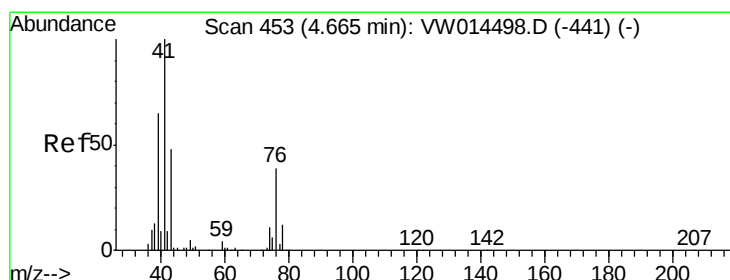
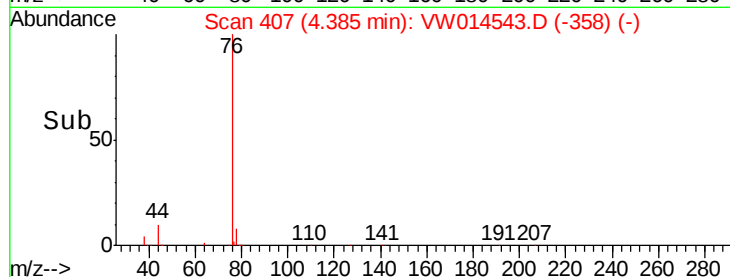
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.703 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW014543.D

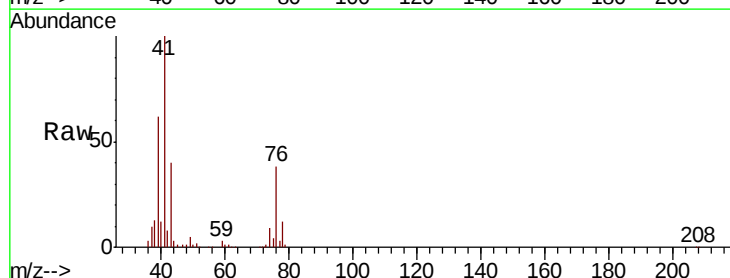
Acq: 07 Jan 2020 13:09

Tgt Ion: 43 Resp: 91139

Ion Ratio Lower Upper

43 100

74 24.3 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

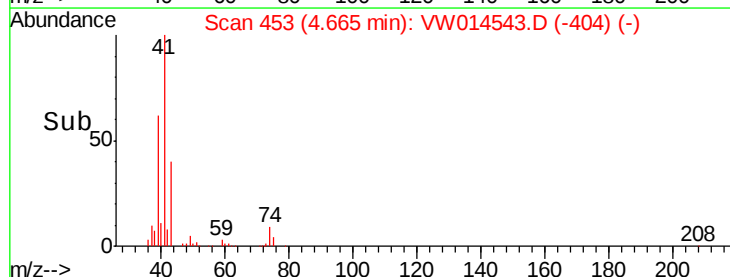
30000

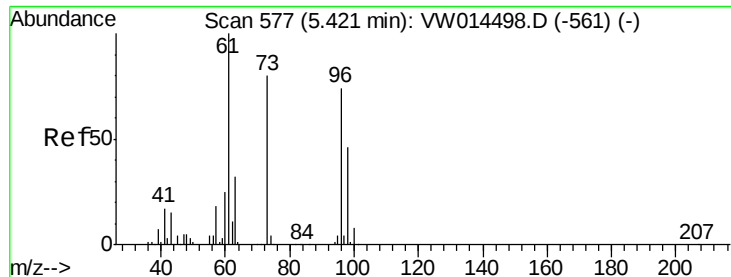
20000

10000

0

Time-->

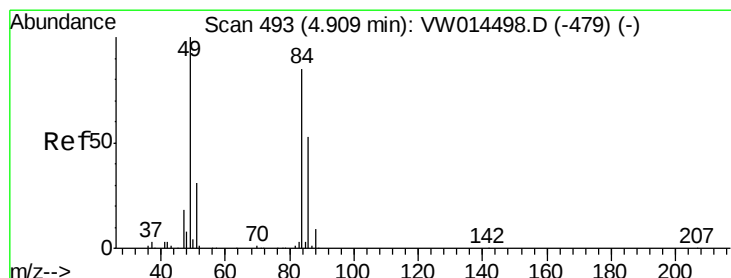
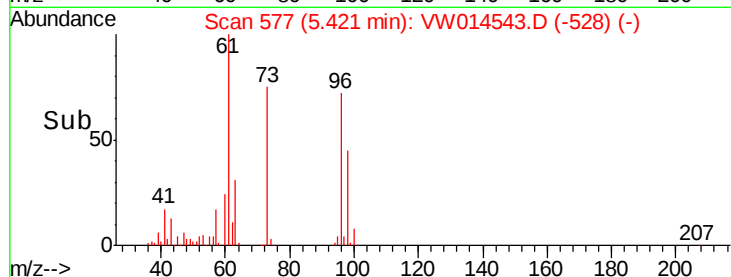
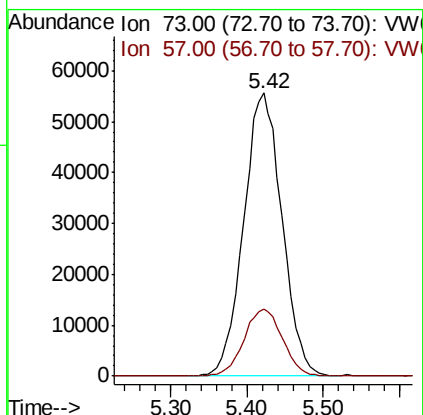
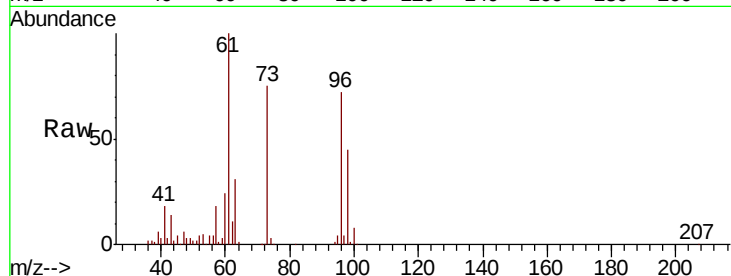




#19
Methvl tert-butvl Ether
Concen: 23.289 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

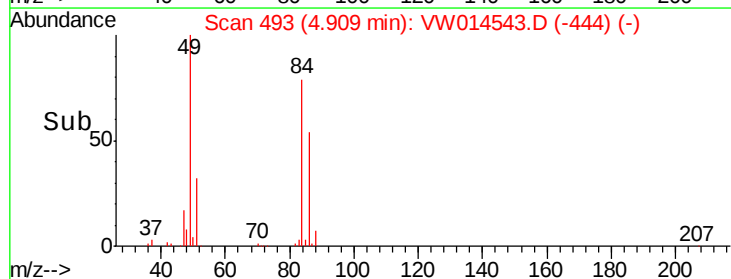
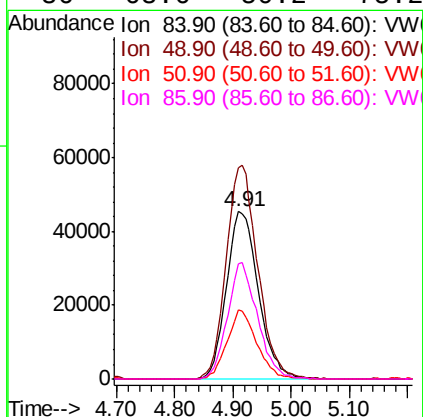
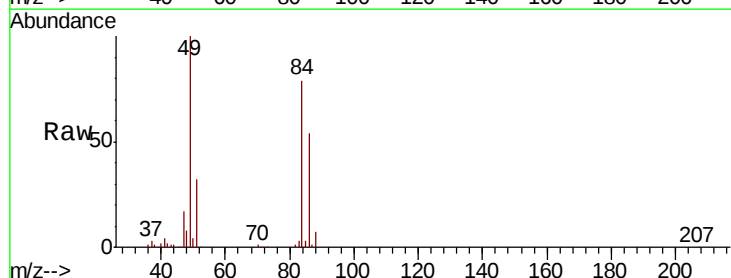
Instrument :
MSVOA_W
ClientSampleId :

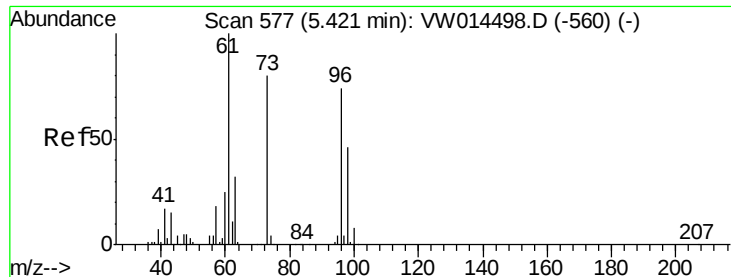
Tot Ion: 73 Resp: 193702
Ion Ratio Lower Upper
73 100
57 23.6 18.1 27.1



#20
Methylene Chloride
Concen: 23.343 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

Tgt Ion: 84 Resp: 173135
Ion Ratio Lower Upper
84 100
49 126.5 94.4 141.6
51 41.0 29.5 44.3
86 68.6 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 22.650 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

ClientSampleId :

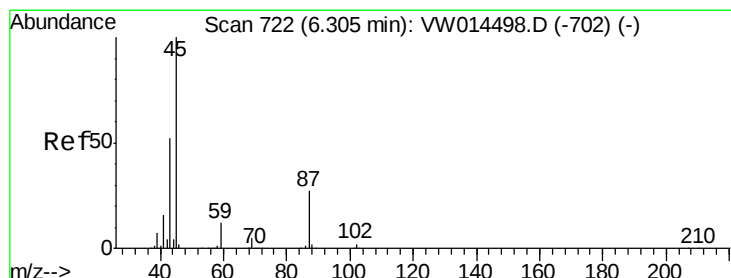
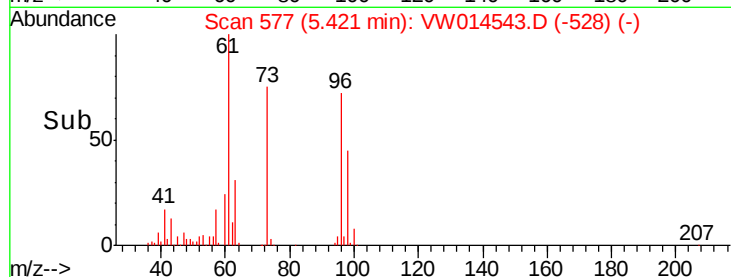
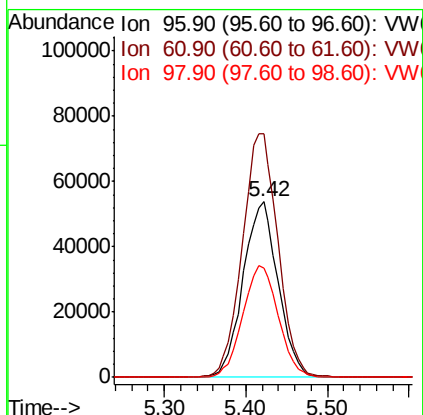
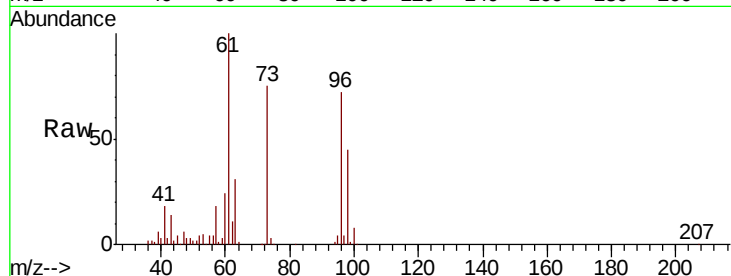
Tot Ion: 96 Resp: 161142

Ion Ratio Lower Upper

96 100

61 138.4 107.8 161.6

98 62.3 49.4 74.0



#22

Diisopropyl ether

Concen: 24.570 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Tgt Ion: 45 Resp: 470896

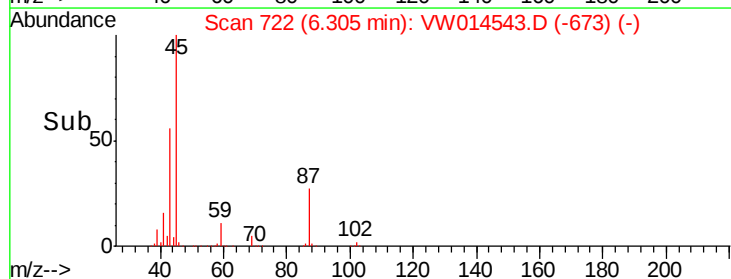
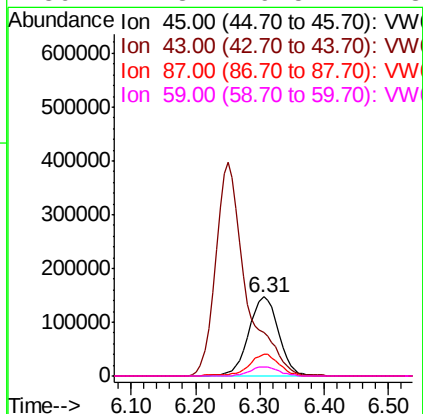
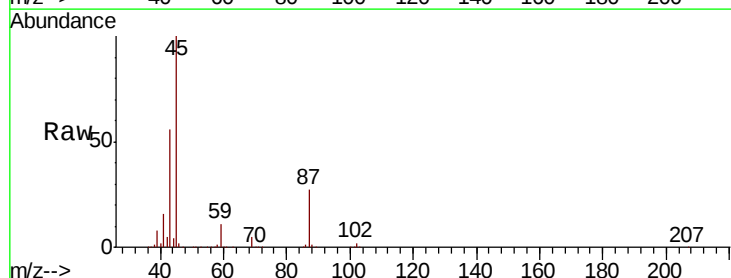
Ion Ratio Lower Upper

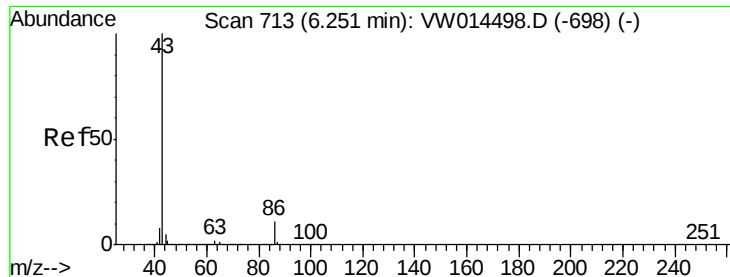
45 100

43 55.0 41.4 62.0

87 27.2 22.2 33.2

59 11.3 9.5 14.3





#23

Vinyl Acetate

Concen: 112.798 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

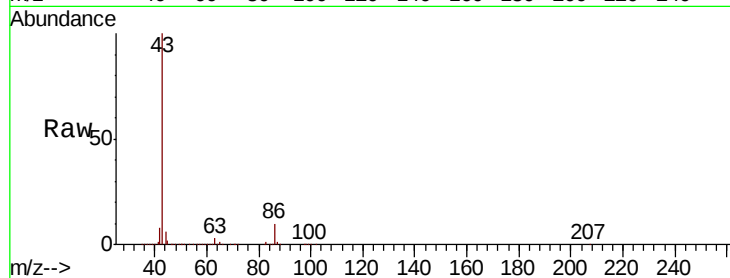
ClientSampleId :

Tot Ion: 43 Resp: 1305414

Ion Ratio Lower Upper

43 100

86 10.2 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

400000

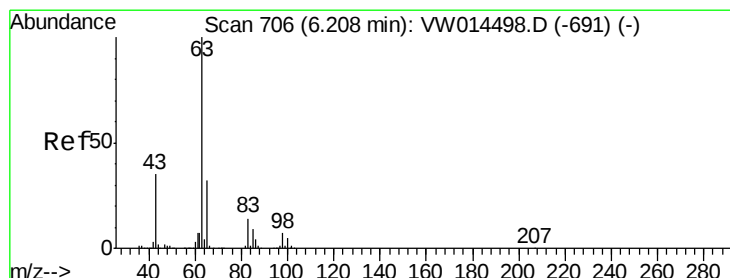
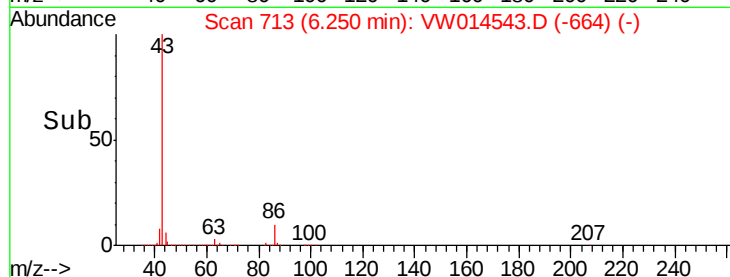
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 23.366 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

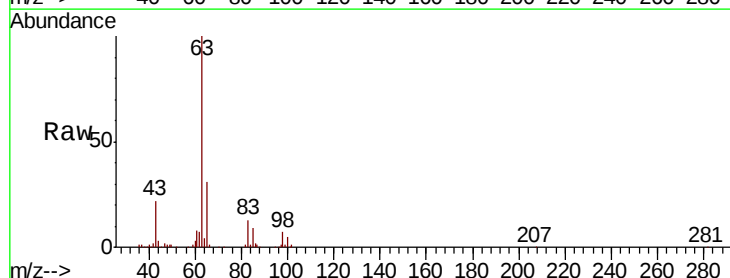
Tgt Ion: 63 Resp: 282476

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

100 4.8 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

120000

100000

80000

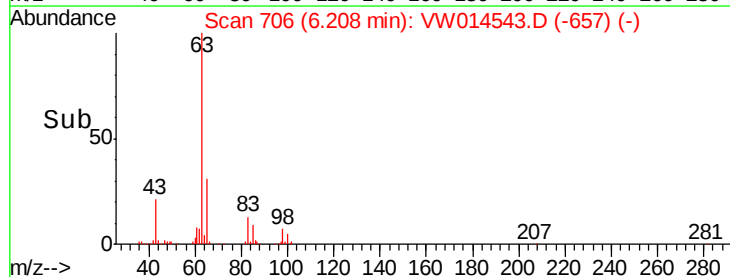
60000

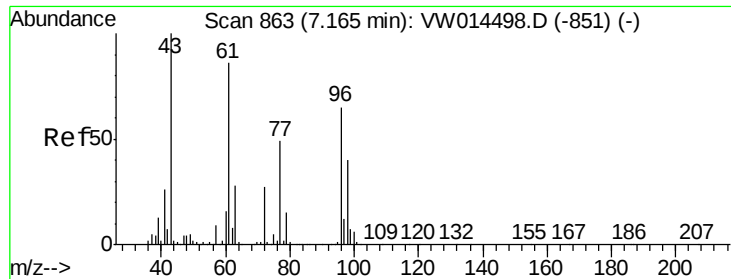
40000

20000

0

Time--> 6.10 6.20 6.30





#25

2-Butanone

Concen: 105.116 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

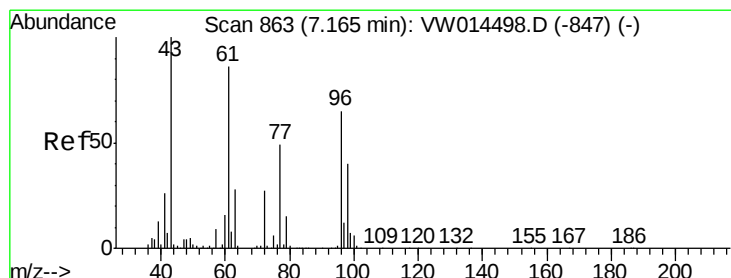
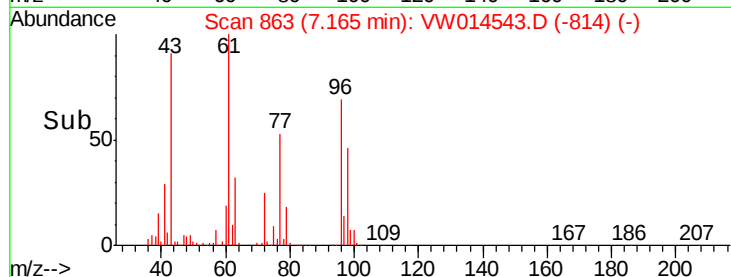
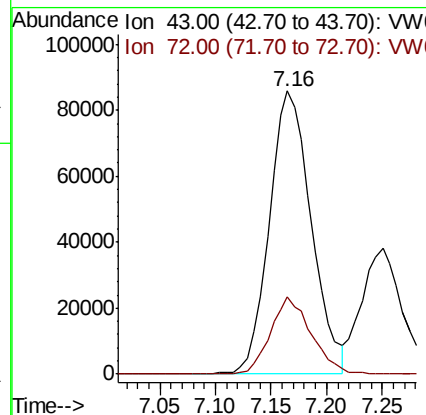
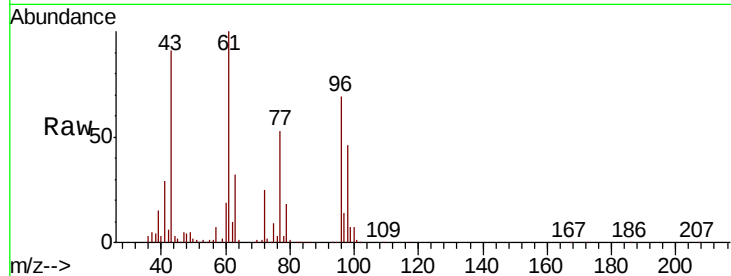
ClientSampled :

Tot Ion: 43 Resp: 224230

Ion Ratio Lower Upper

43 100

72 27.3 21.9 32.9



#26

2,2-Dichloropropane

Concen: 22.325 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014543.D

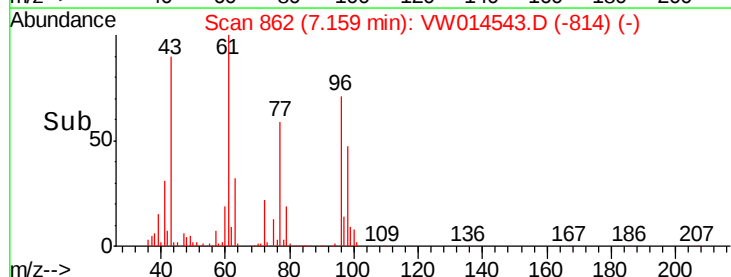
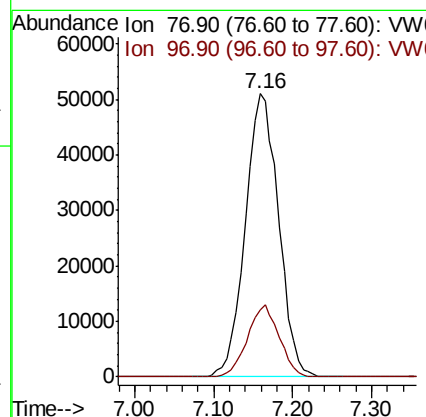
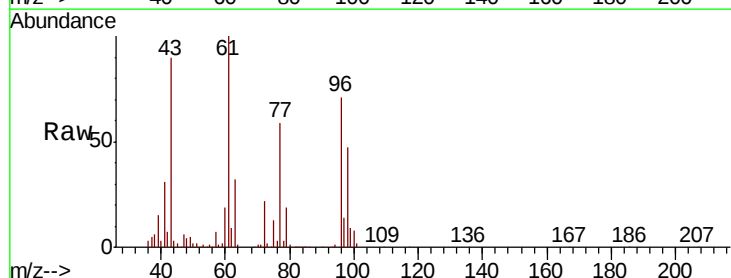
Acq: 07 Jan 2020 13:09

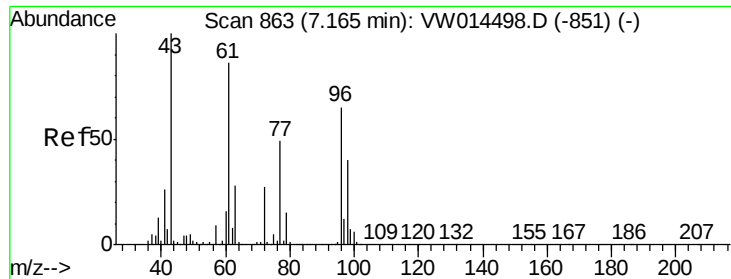
Tgt Ion: 77 Resp: 149426

Ion Ratio Lower Upper

77 100

97 24.3 12.5 37.5



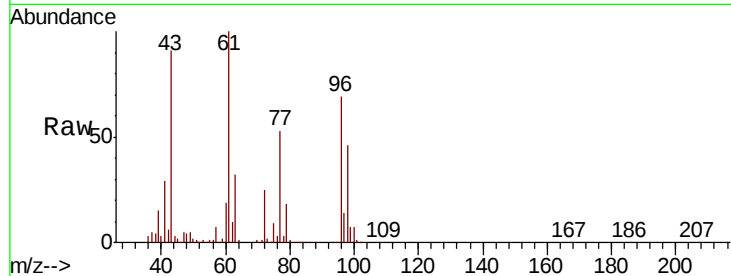


#27

cis-1,2-Dichloroethene
Concen: 22.937 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.4	0.0	274.8
98	65.0	0.0	128.6

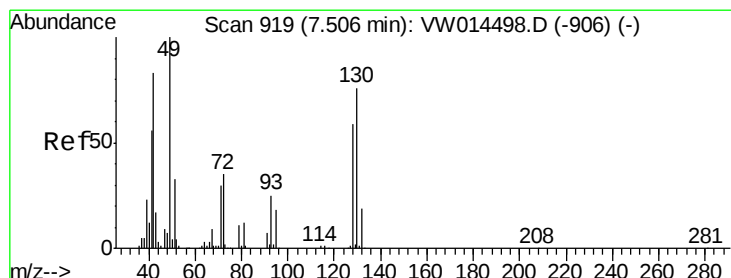
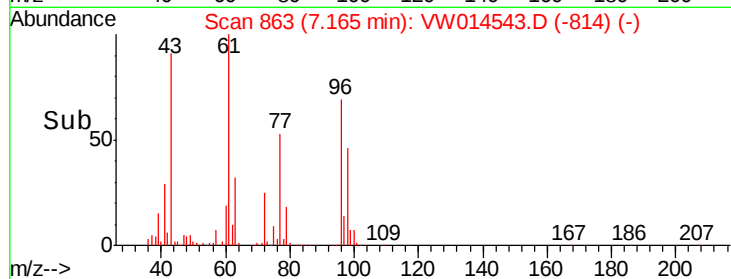
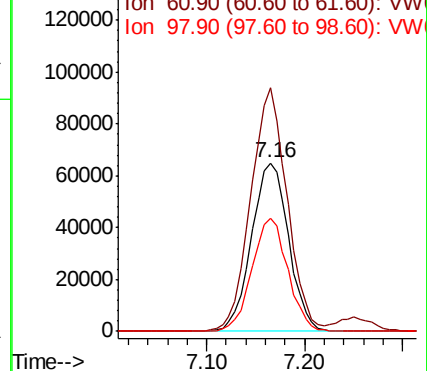


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

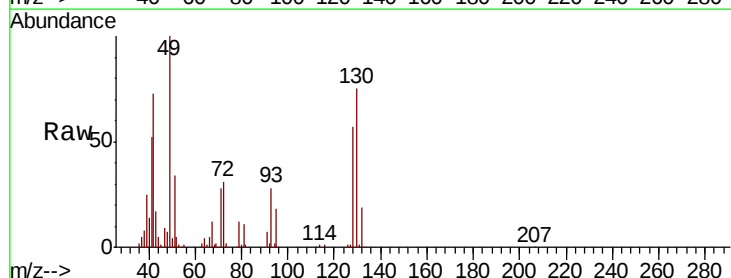
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
Concen: 19.448 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	2.0
130	0.0	62.5	93.7#

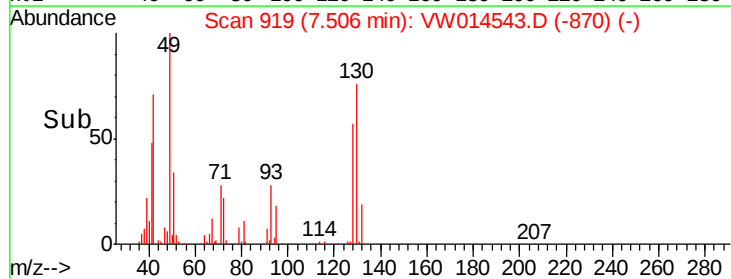
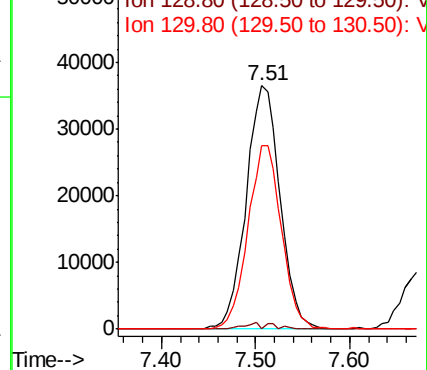


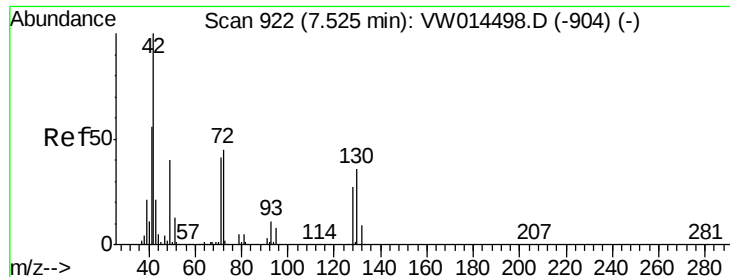
Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

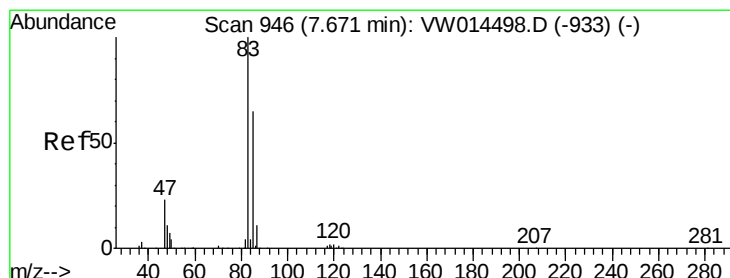
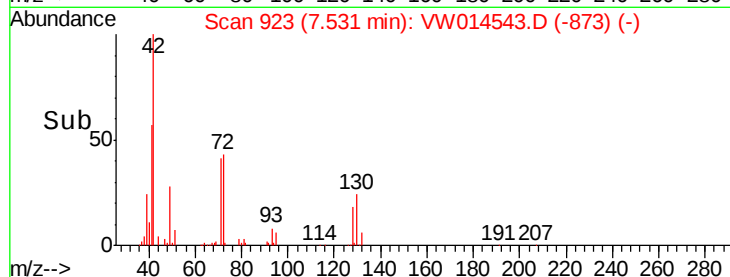
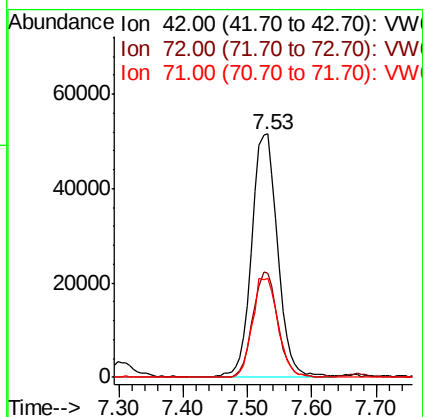
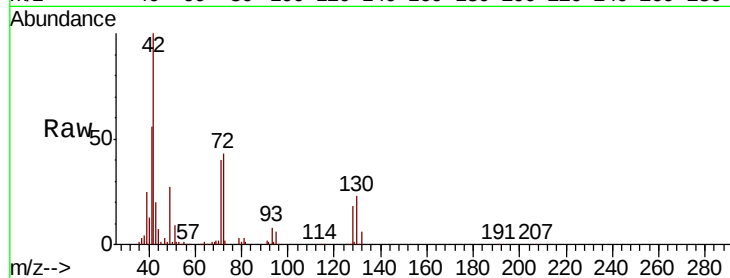




#29
Tetrahydrofuran
Concen: 107.908 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

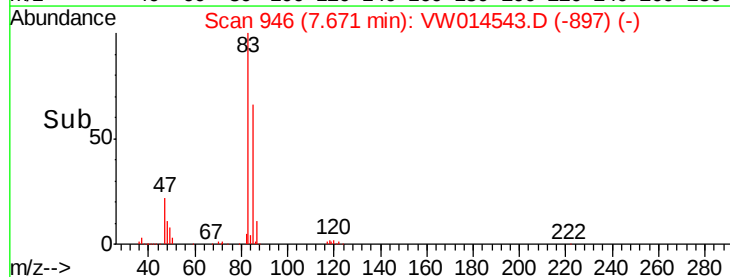
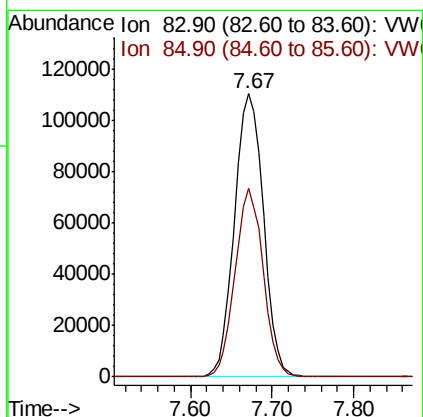
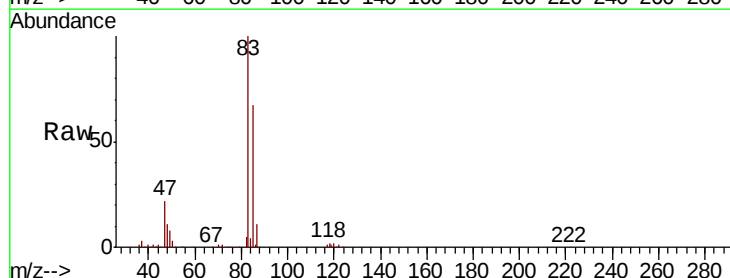
Instrument :
MSVOA_W
ClientSampleId :

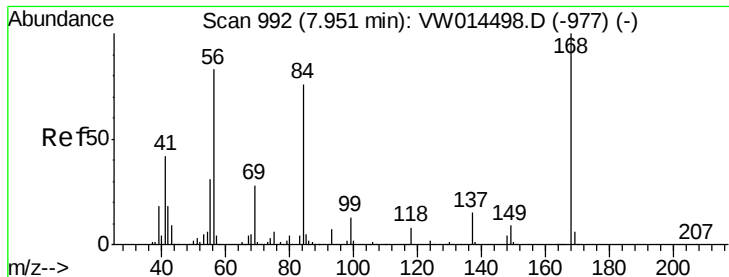
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	34.5	51.7
71	39.8	32.0	48.0



#30
Chloroform
Concen: 24.002 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.2	78.2

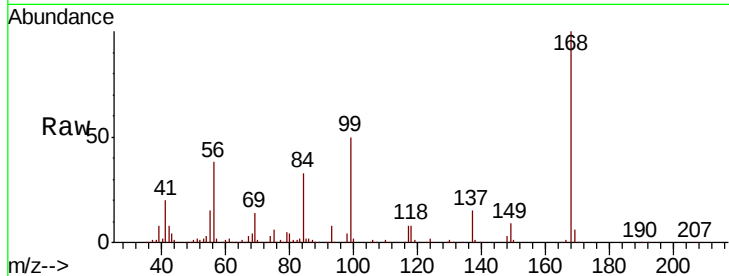




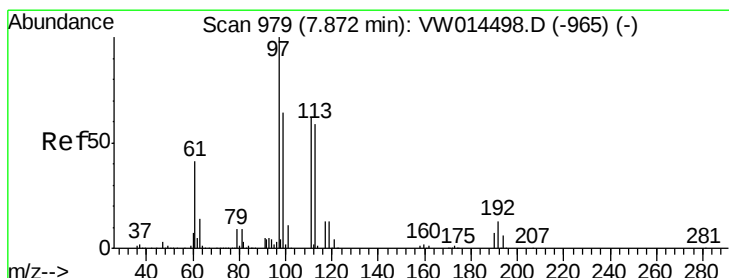
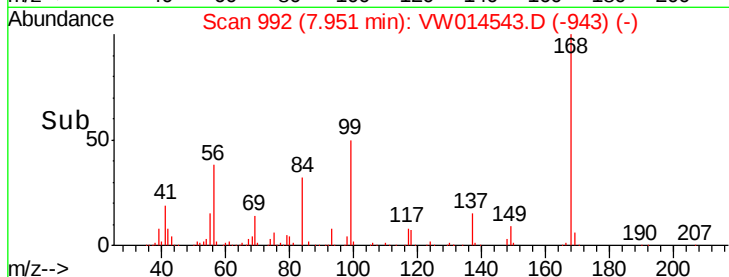
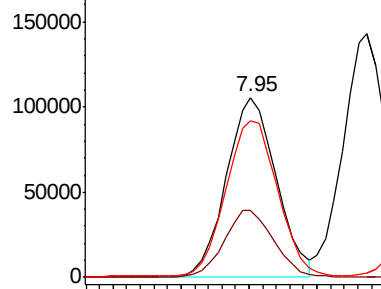
#31
Cyclohexane
Concen: 21.551 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 270755
Ion Ratio Lower Upper
56 100
69 37.5 26.8 40.2
84 86.2 71.8 107.6

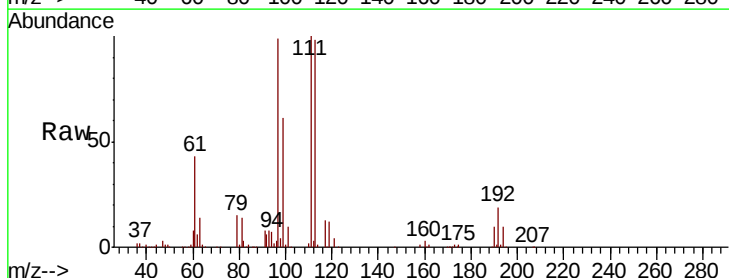


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

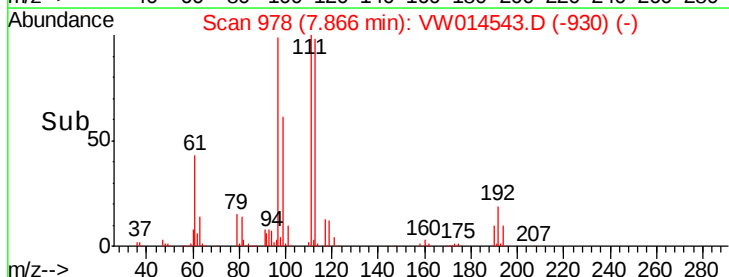
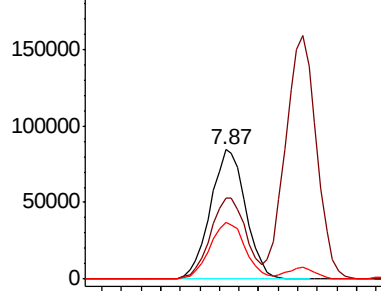


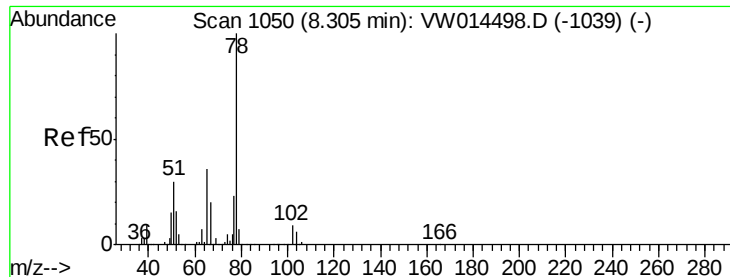
#32
1,1,1-Trichloroethane
Concen: 23.269 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

Tgt Ion: 97 Resp: 211560
Ion Ratio Lower Upper
97 100
99 63.4 51.8 77.6
61 44.2 33.8 50.8



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





#33

1,2-Dichloroethane-d4

Concen: 54.055 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

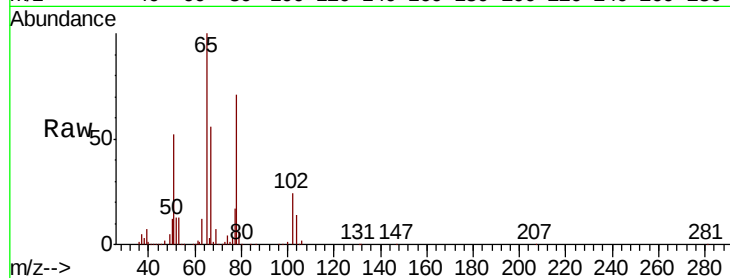
ClientSampleId :

Tot Ion: 65 Resp: 318210

Ion Ratio Lower Upper

65 100

67 54.3 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

150000

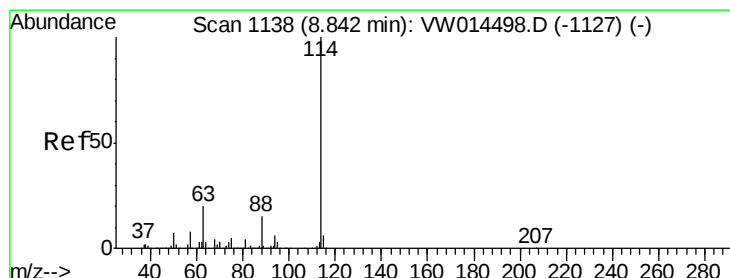
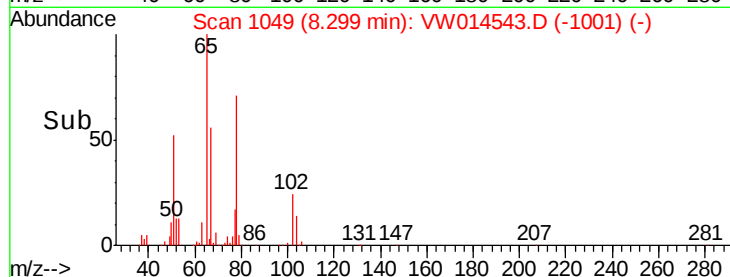
100000

50000

0

Time-->

8.20 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

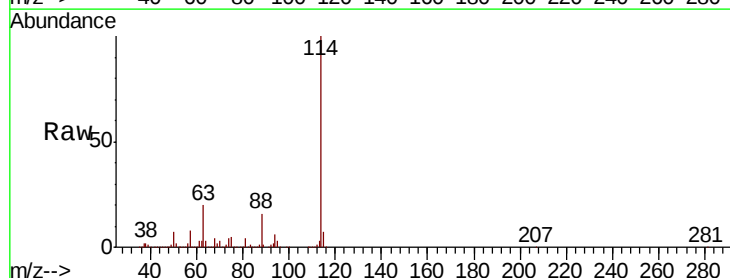
Tgt Ion: 114 Resp: 1024455

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.4

88 16.4 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

600000

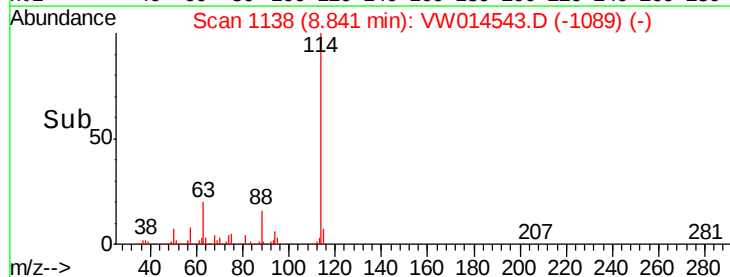
400000

200000

0

Time-->

8.70 8.80 8.90

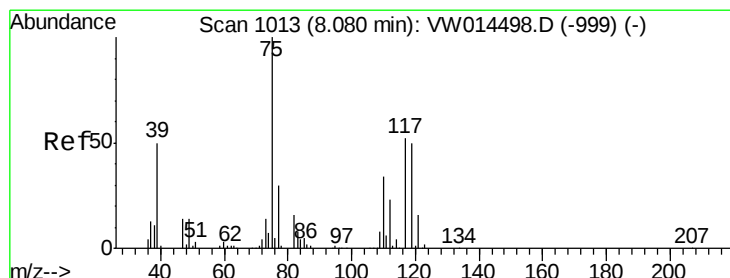
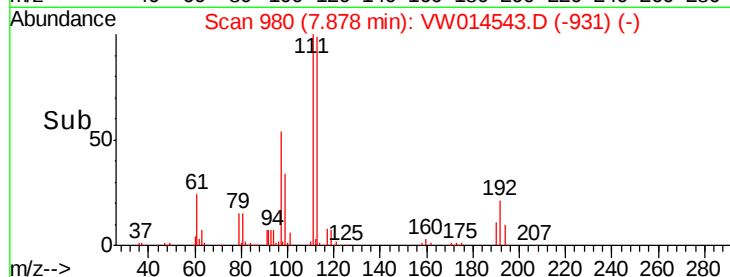
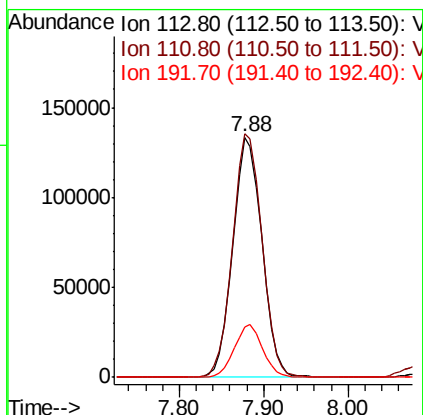
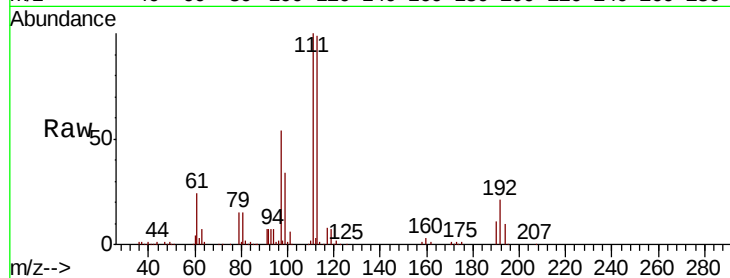




#35
Dibromofluoromethane
Concen: 53.193 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

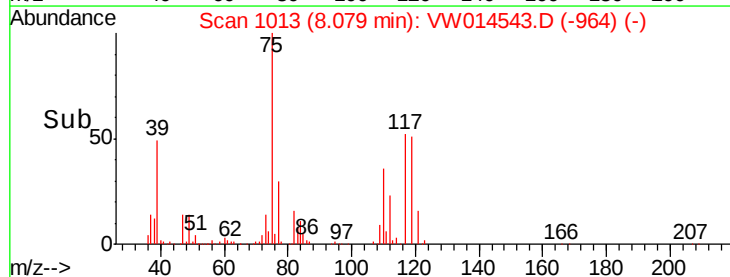
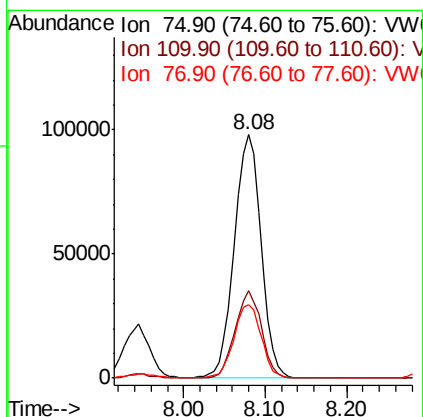
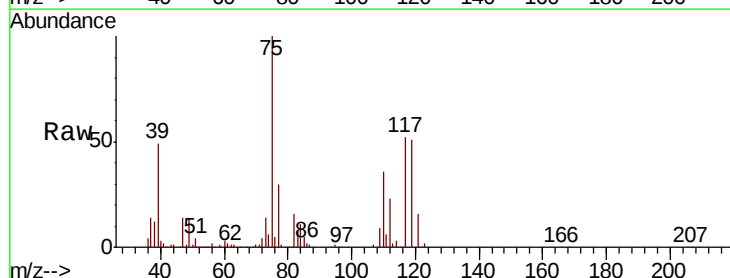
Instrument :
MSVOA_W
ClientSampleId :

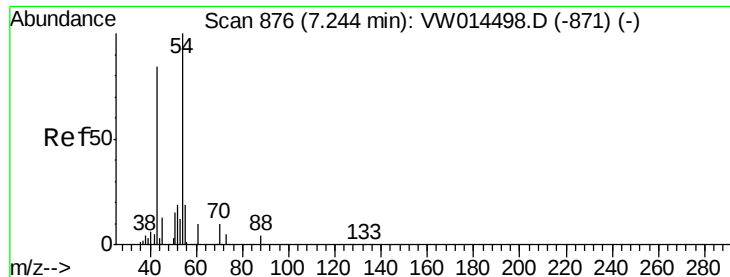
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.4	122.2
192	21.2	17.8	26.8



#36
1,1-Dichloropropene
Concen: 22.530 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.8	53.5
77	30.8	24.7	37.1

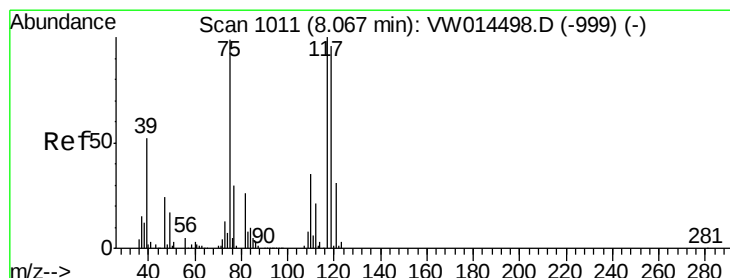
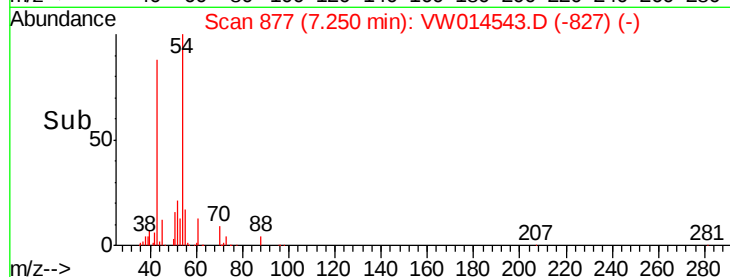
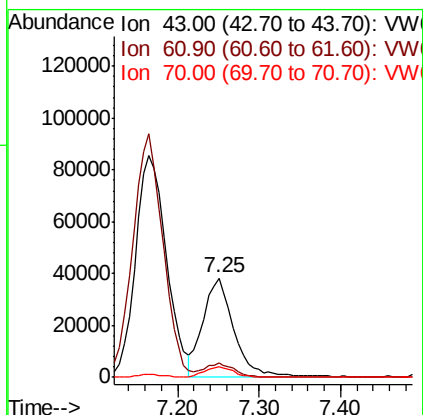
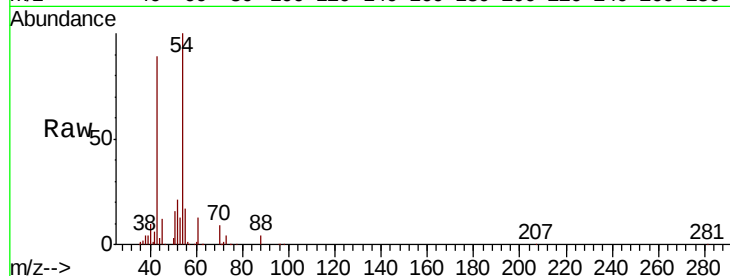




#37
Ethyl Acetate
Concen: 22.168 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

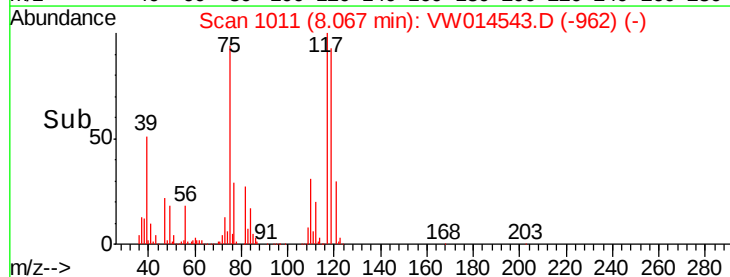
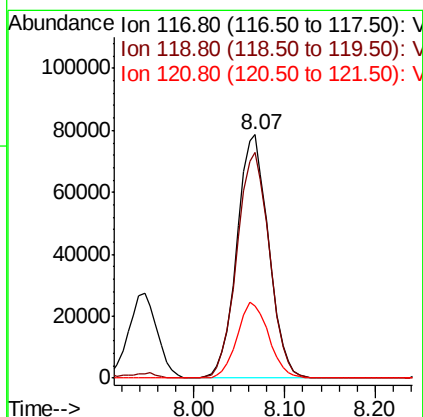
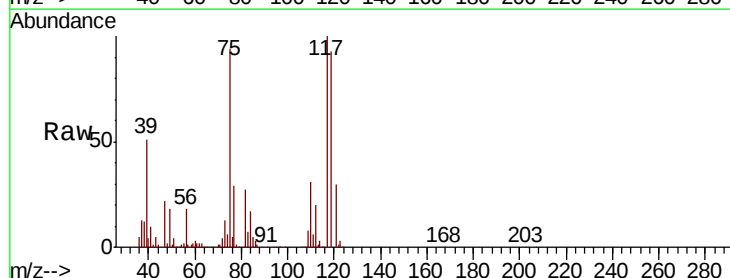
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 99295
Ion Ratio Lower Upper
43 100
61 13.9 11.7 17.5
70 10.5 9.0 13.6



#38
Carbon Tetrachloride
Concen: 22.297 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

Tgt Ion: 117 Resp: 191045
Ion Ratio Lower Upper
117 100
119 92.6 77.0 115.6
121 29.6 24.6 36.8

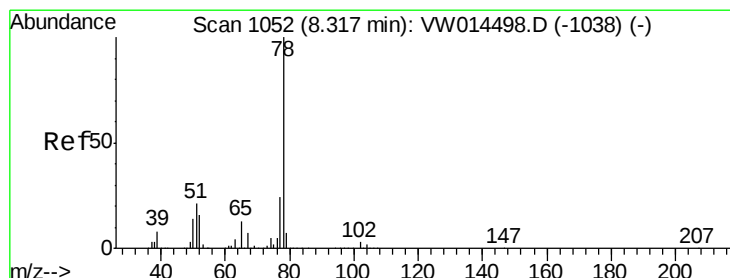
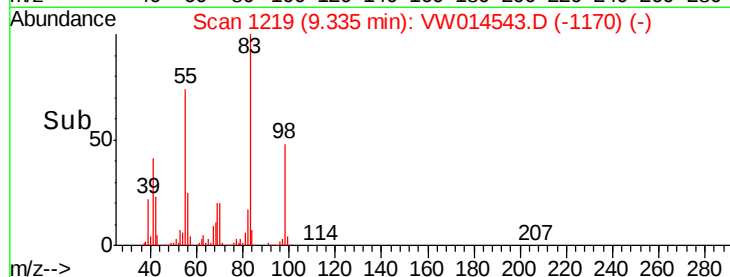
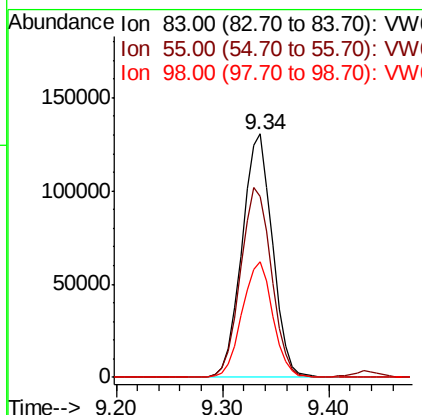
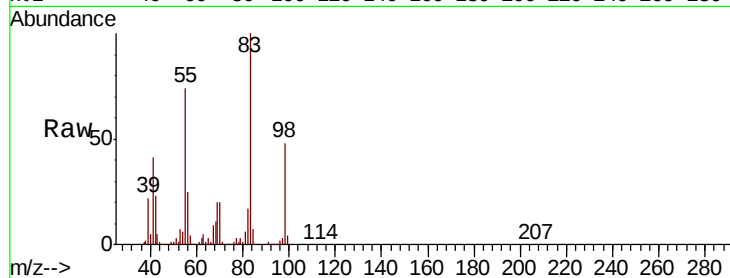




#39
Methvlcvclohexane
Concen: 20.765 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

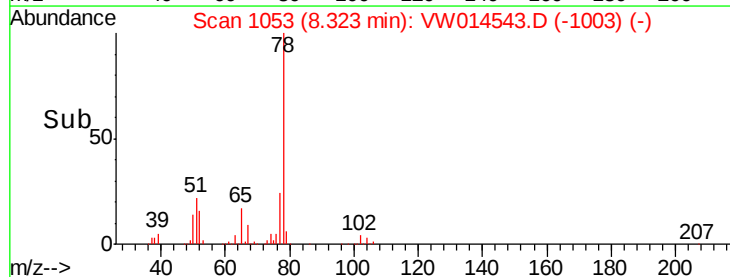
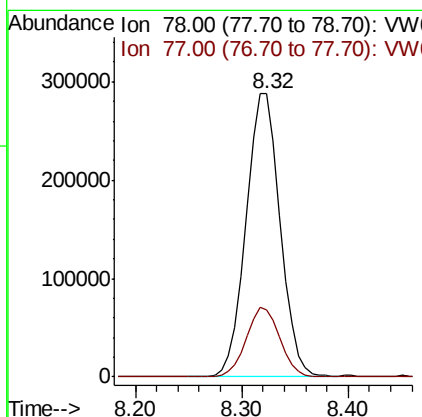
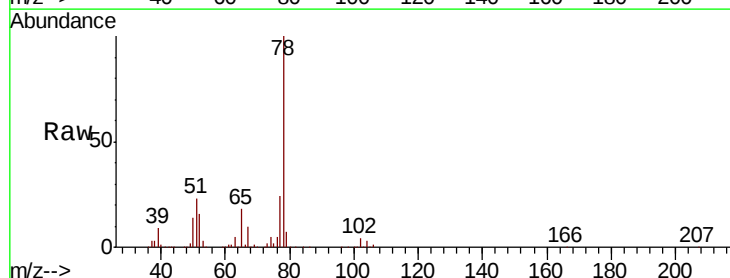
Instrument :
MSVOA_W
ClientSampleId :

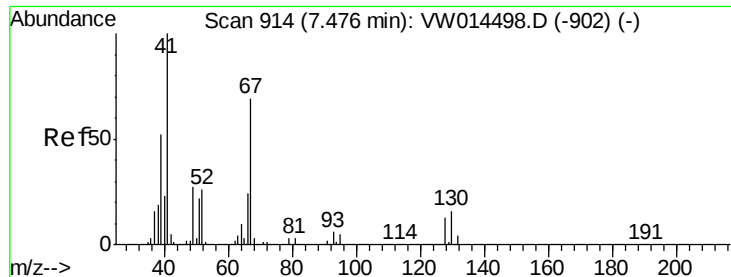
Tot Ion: 83 Resp: 263177
Ion Ratio Lower Upper
83 100
55 74.1 60.1 90.1
98 47.6 38.8 58.2



#40
Benzene
Concen: 23.196 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

Tgt Ion: 78 Resp: 648163
Ion Ratio Lower Upper
78 100
77 23.6 19.3 28.9





#41

Methacrylonitrile

Concen: 22.665 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 56591

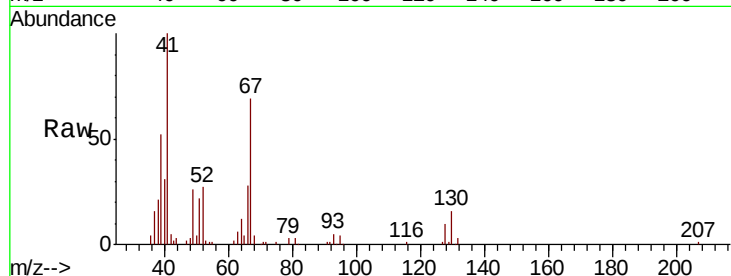
Ion Ratio Lower Upper

41 100

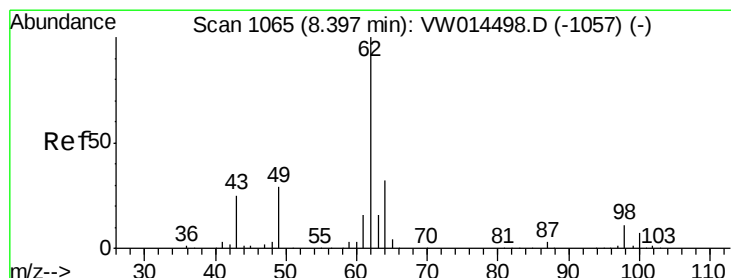
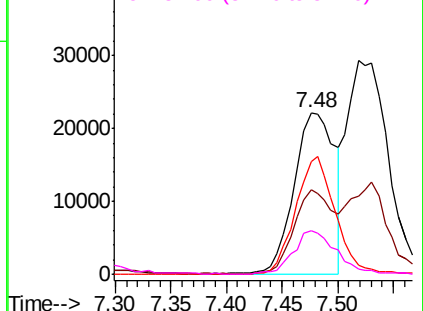
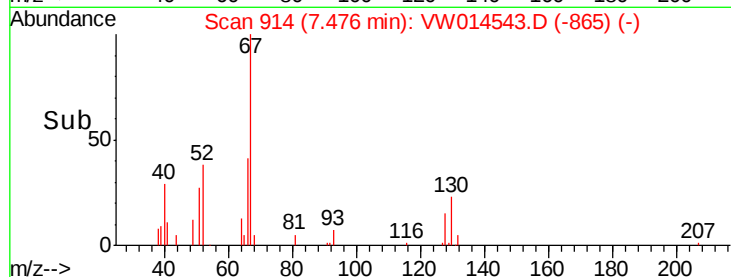
39 50.7 46.0 69.0

67 70.9 60.8 91.2

52 28.3 23.7 35.5



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



#42

1,2-Dichloroethane

Concen: 23.137 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014543.D

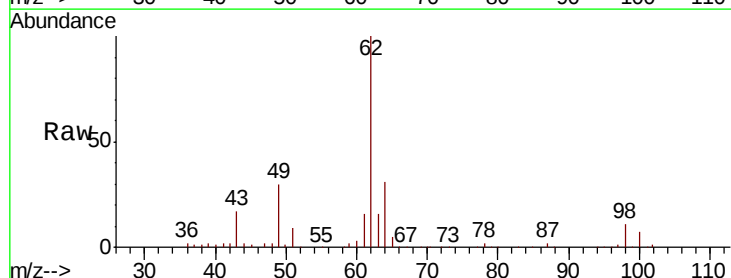
Acq: 07 Jan 2020 13:09

Tgt Ion: 62 Resp: 167779

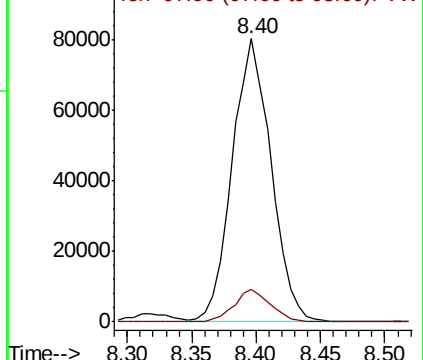
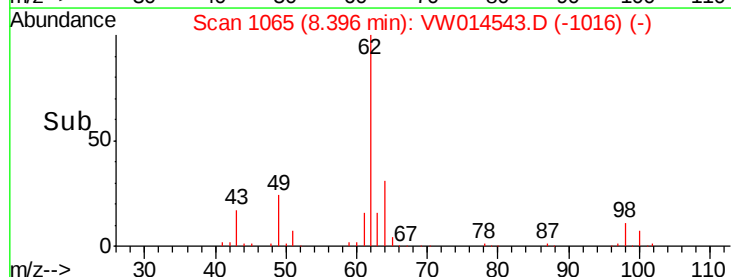
Ion Ratio Lower Upper

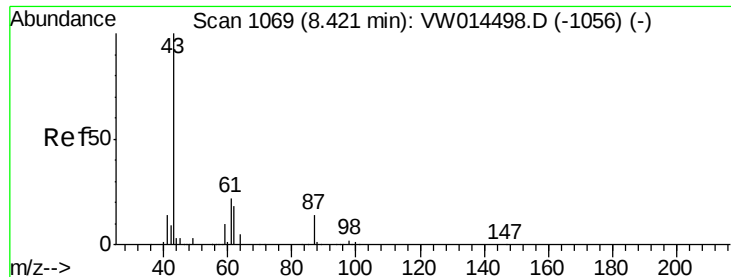
62 100

98 10.9 0.0 22.0



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





#43

Isopropyl Acetate

Concen: 21.907 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

ClientSampleId :

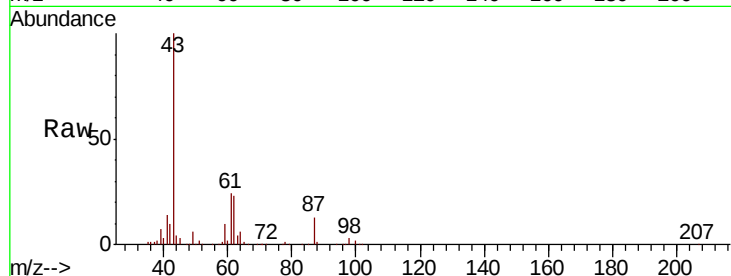
Tot Ion: 43 Resp: 178181

Ion Ratio Lower Upper

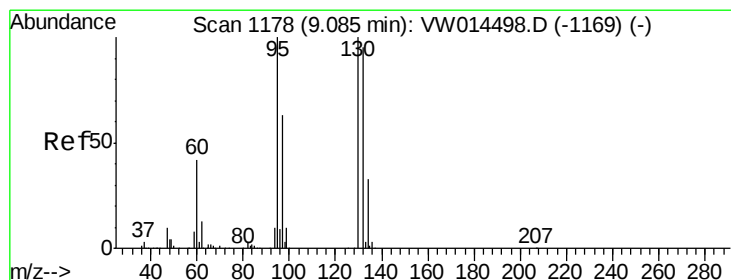
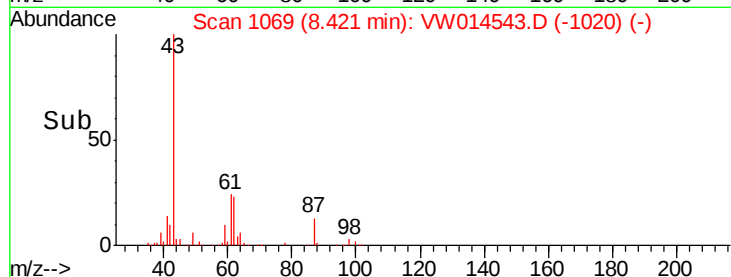
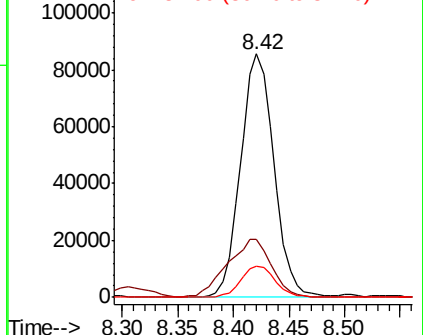
43 100

61 31.8 24.7 37.1

87 13.3 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 22.437 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014543.D

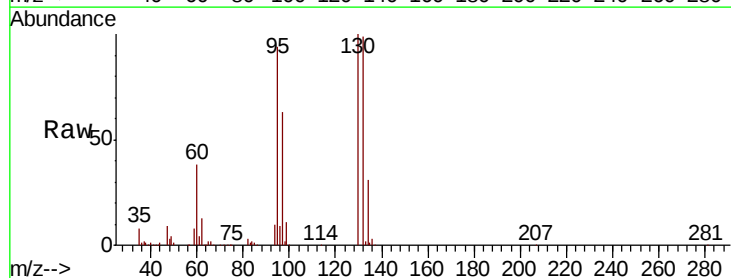
Acq: 07 Jan 2020 13:09

Tgt Ion:130 Resp: 169655

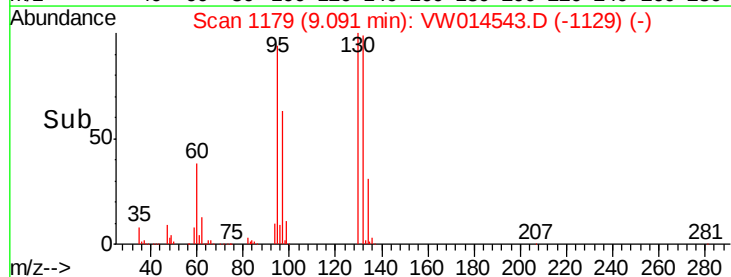
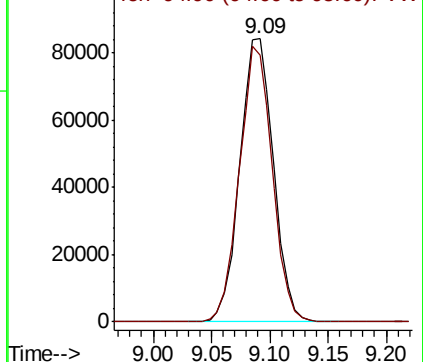
Ion Ratio Lower Upper

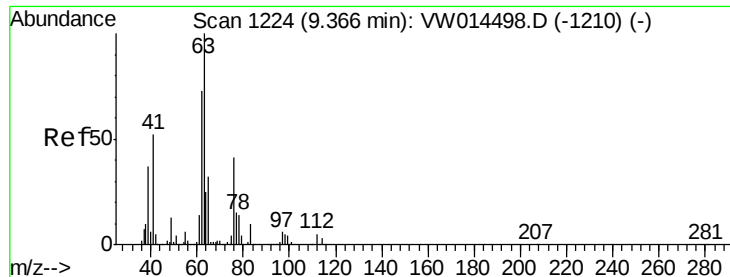
130 100

95 94.4 0.0 199.4



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





#45

1,2-Dichloropropane

Concen: 23.829 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

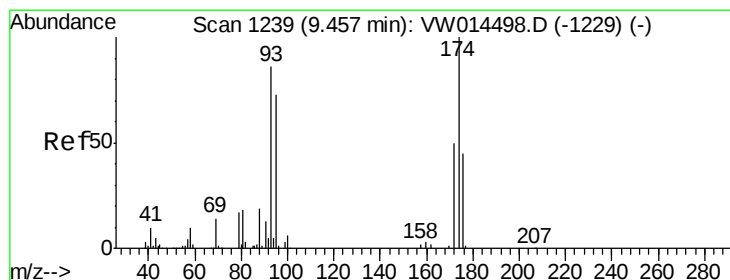
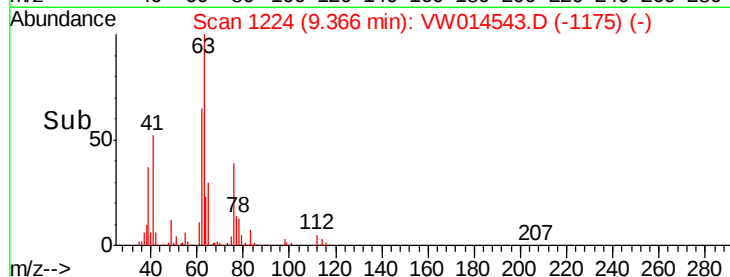
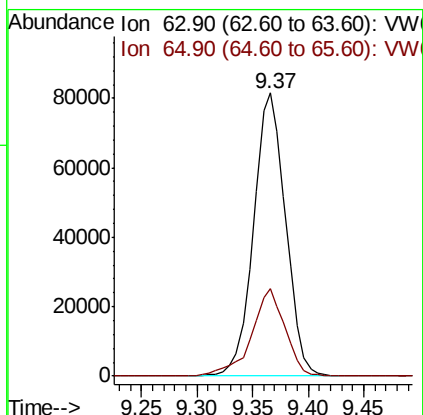
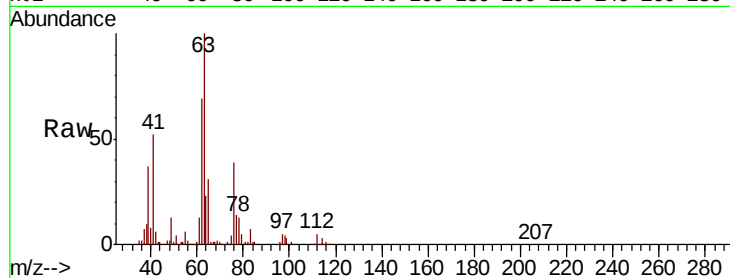
ClientSampleId :

Tot Ion: 63 Resp: 163395

Ion Ratio Lower Upper

63 100

65 31.0 25.6 38.4



#46

Dibromomethane

Concen: 22.796 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

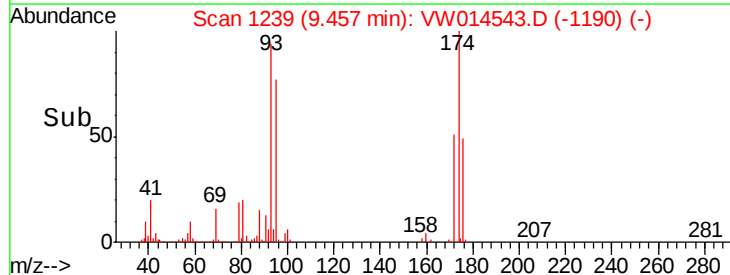
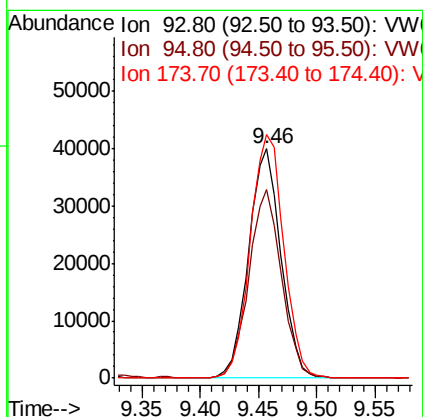
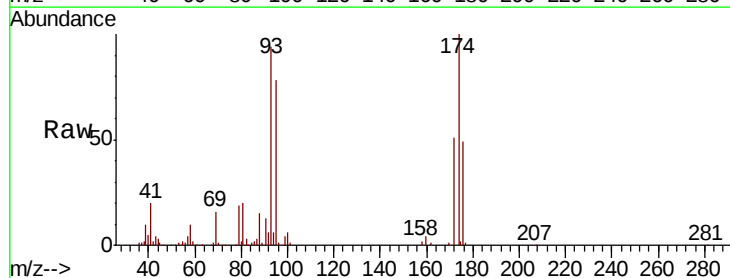
Tgt Ion: 93 Resp: 77165

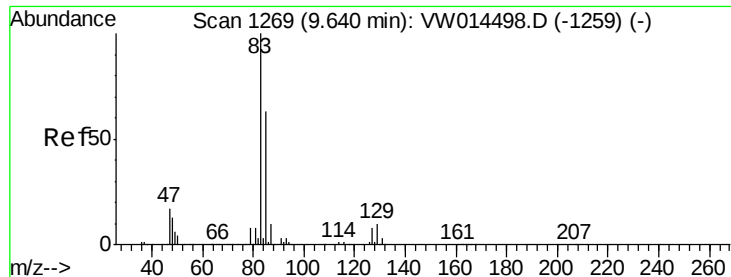
Ion Ratio Lower Upper

93 100

95 83.1 66.4 99.6

174 110.1 89.1 133.7





#47

Bromodichloromethane

Concen: 23.562 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

ClientSampled :

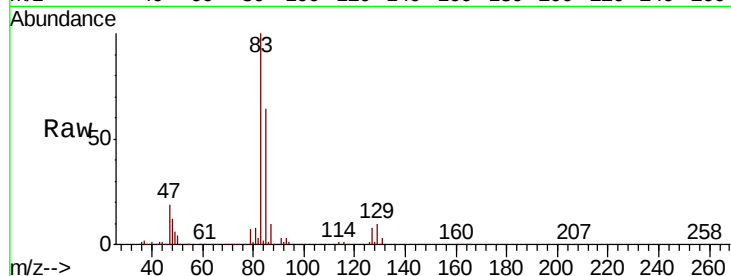
Tot Ion: 83 Resp: 196916

Ion Ratio Lower Upper

83 100

85 63.7 50.6 76.0

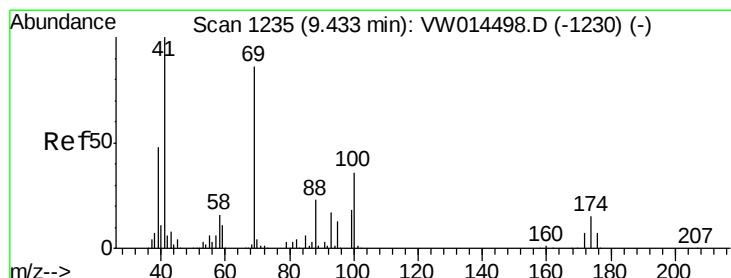
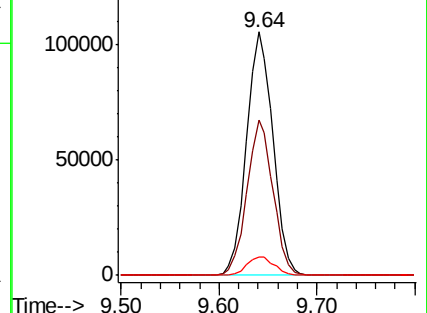
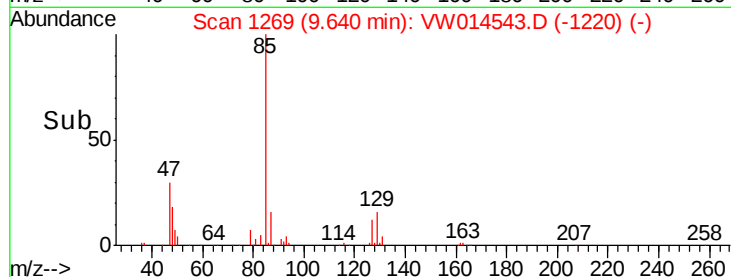
127 7.5 6.6 9.8



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: 20.201 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

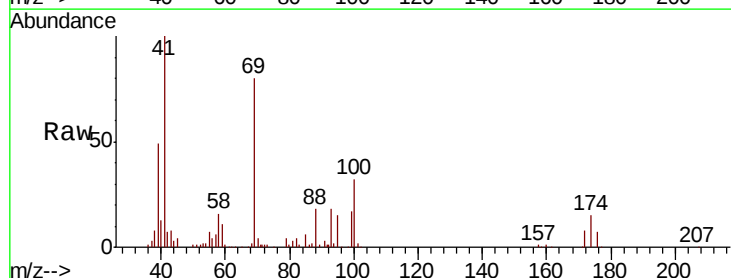
Tgt Ion: 41 Resp: 80222

Ion Ratio Lower Upper

41 100

69 90.7 68.3 102.5

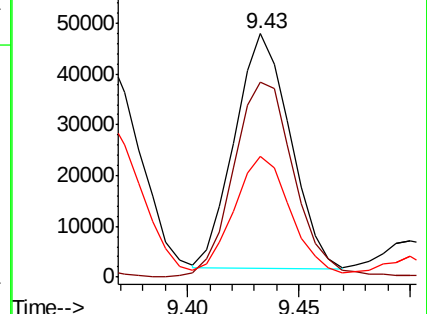
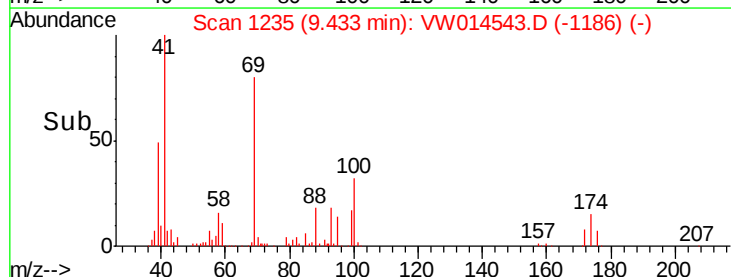
39 49.2 36.8 55.2

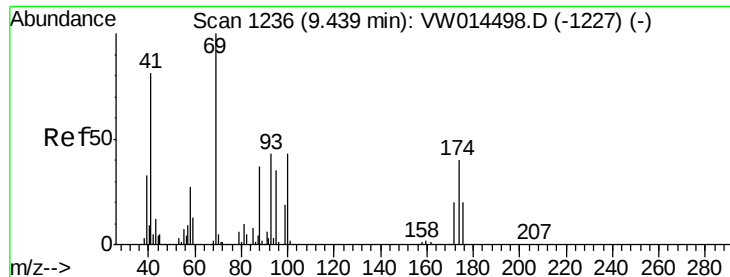


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 392.920 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :
MSVOA_W
ClientSampled :

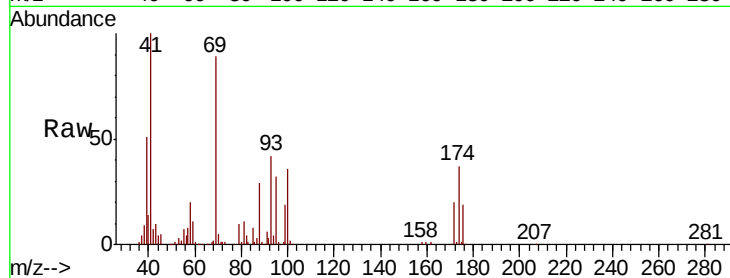
Tot Ion: 88 Resp: 24877

Ion Ratio Lower Upper

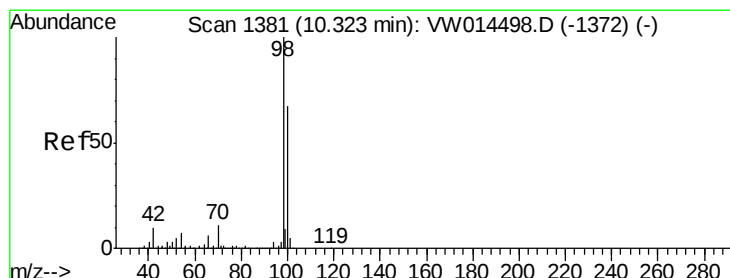
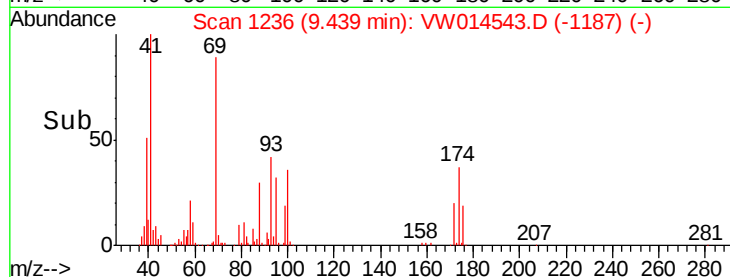
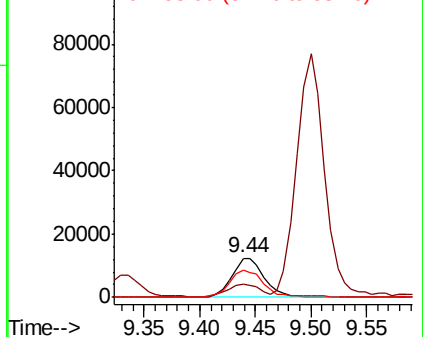
88 100

43 32.7 24.9 37.3

58 72.9 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: 52.764 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014543.D

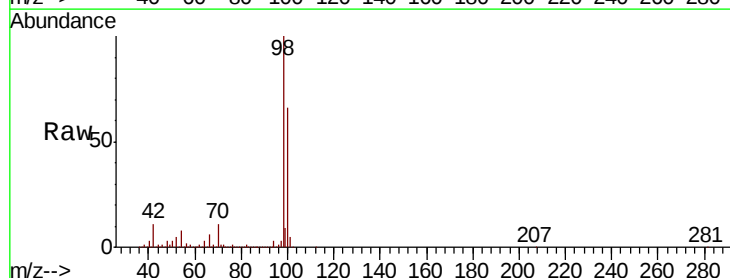
Acq: 07 Jan 2020 13:09

Tgt Ion: 98 Resp: 1289233

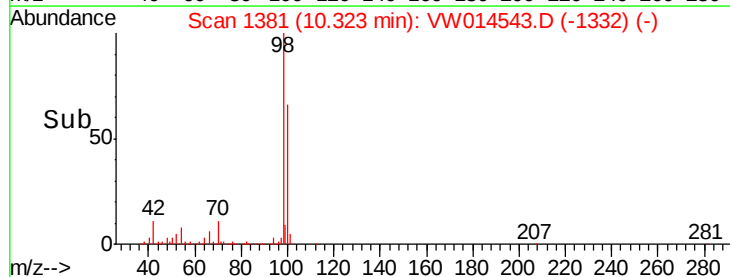
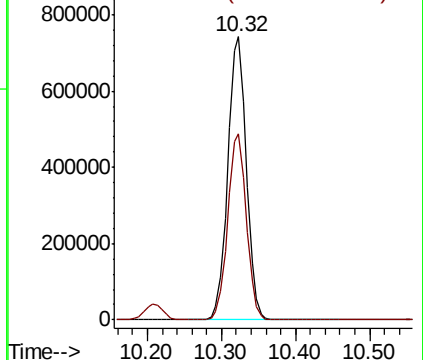
Ion Ratio Lower Upper

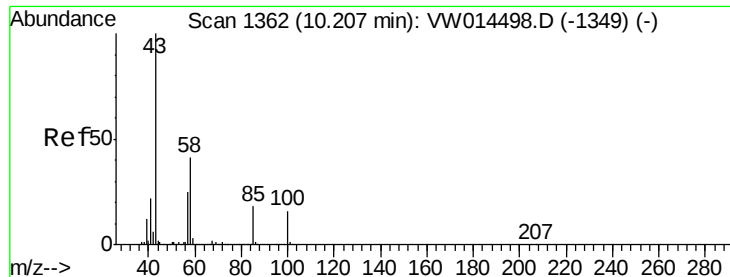
98 100

100 66.0 53.8 80.6



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

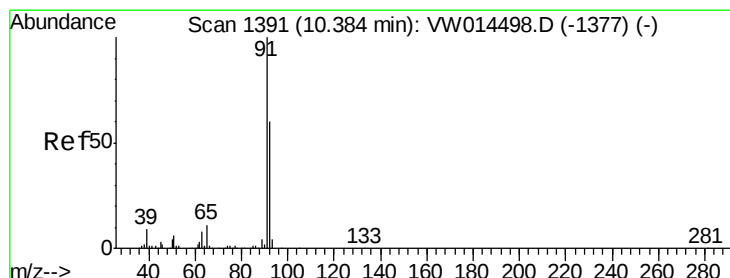
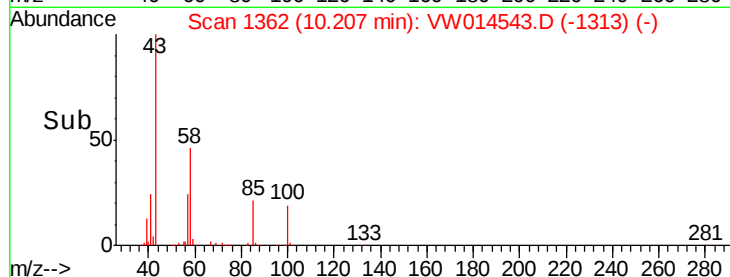
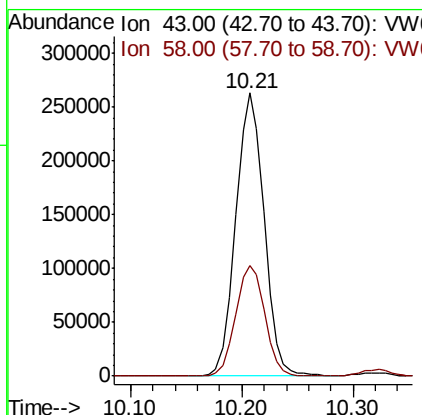
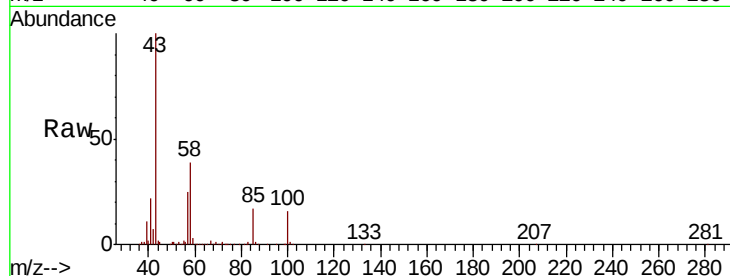




#51
 4-Methyl-2-Pentanone
 Concen: 109.414 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014543.D
 Acq: 07 Jan 2020 13:09

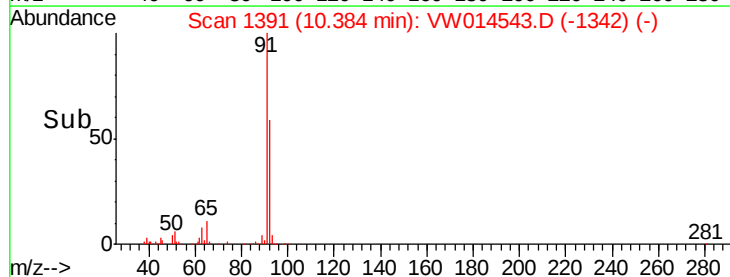
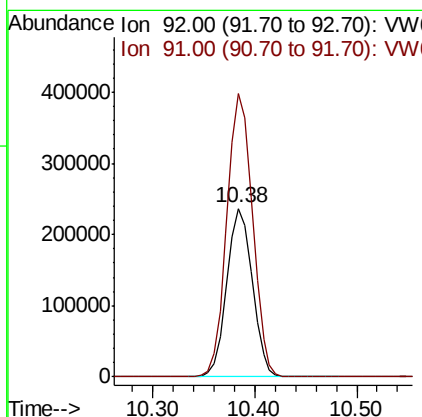
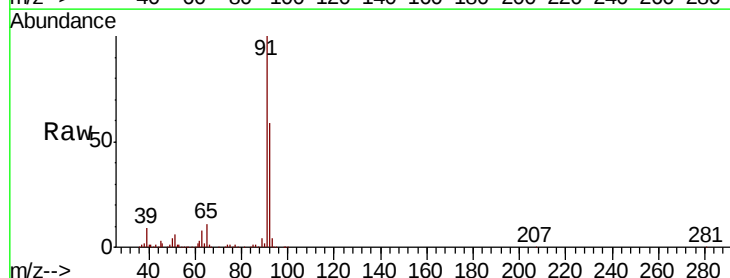
Instrument :
 MSVOA_W
 ClientSampled :

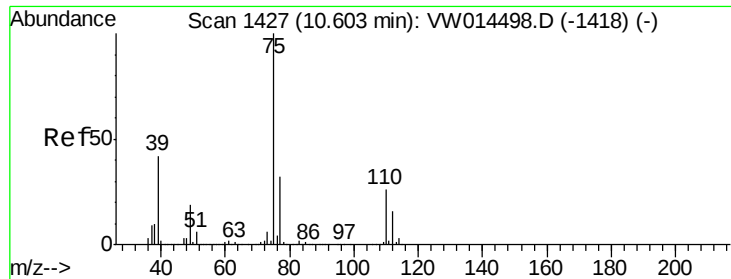
Tot Ion: 43 Resp: 462147
 Ion Ratio Lower Upper
 43 100
 58 40.2 32.7 49.1



#52
 Toluene
 Concen: 23.246 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW014543.D
 Acq: 07 Jan 2020 13:09

Tgt Ion: 92 Resp: 408644
 Ion Ratio Lower Upper
 92 100
 91 169.8 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 22.479 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

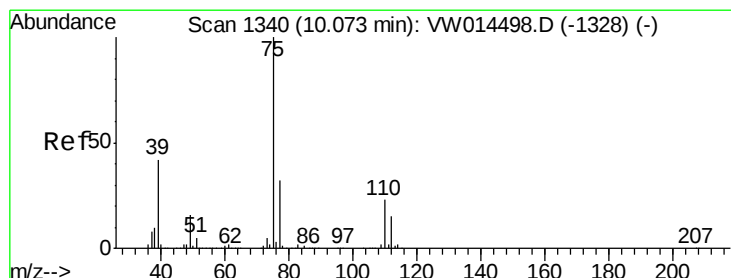
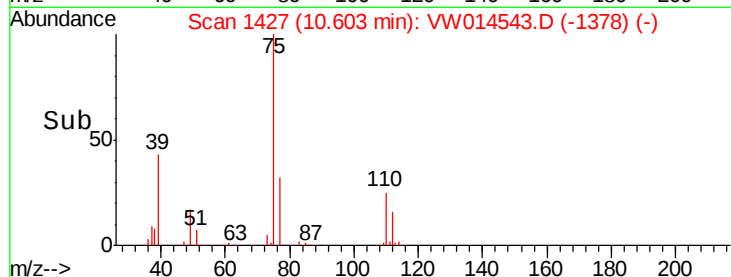
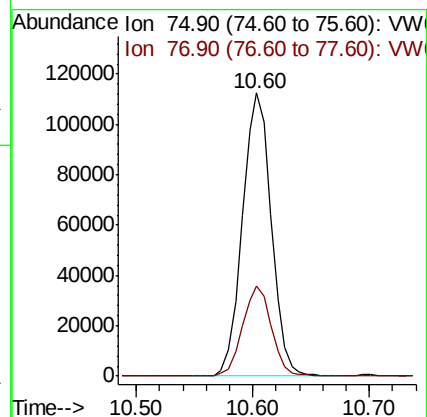
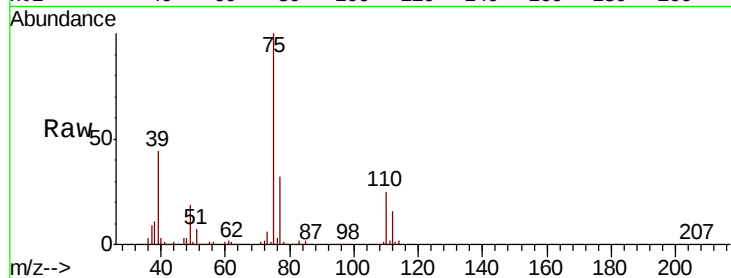
ClientSampleId :

Tot Ion: 75 Resp: 194510

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 22.604 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

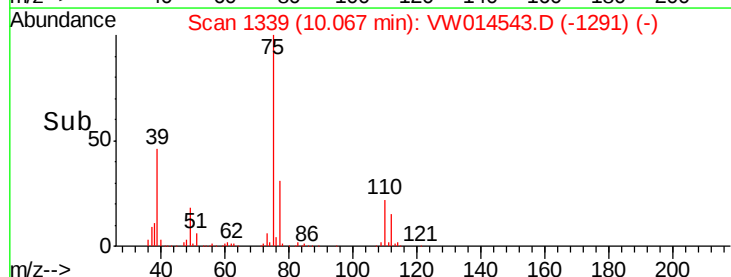
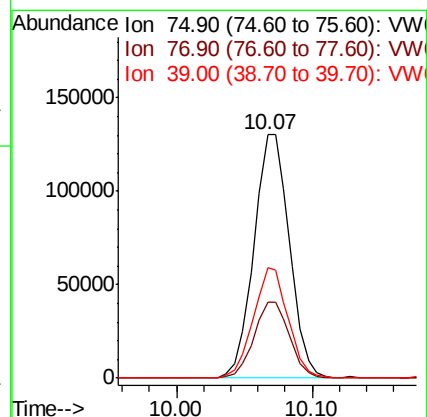
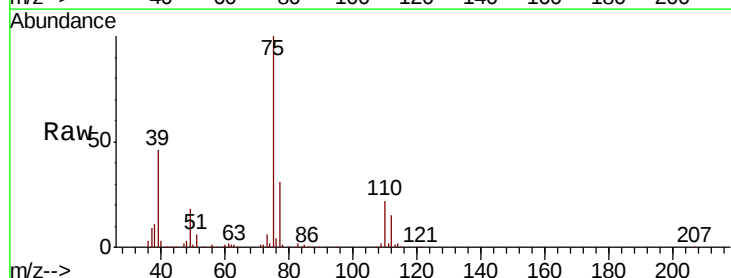
Tgt Ion: 75 Resp: 239047

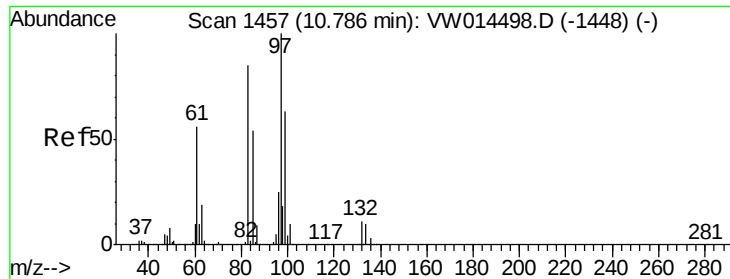
Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0

39 45.5 33.4 50.2

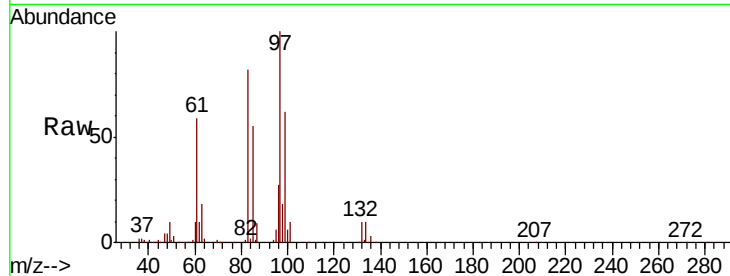




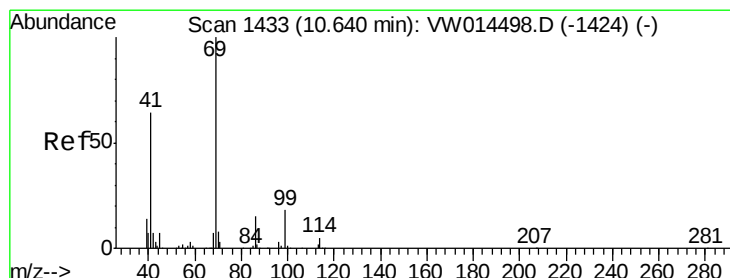
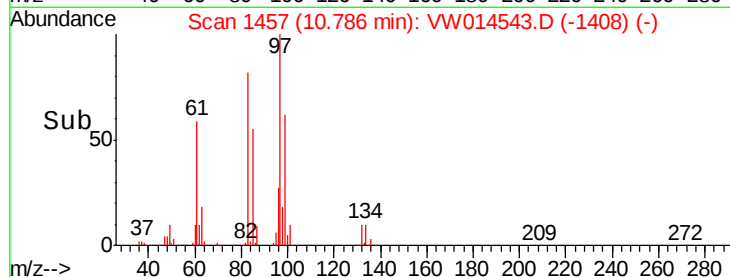
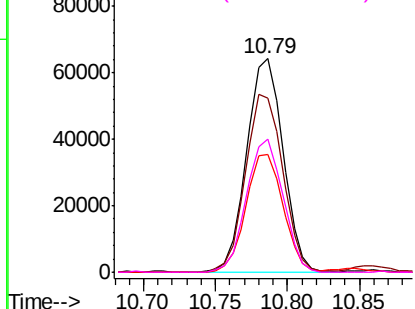
#55
 1,1,2-Trichloroethane
 Concen: 22.781 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014543.D
 Acq: 07 Jan 2020 13:09

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	112627
Ion	Ratio	Lower	Upper
97	100		
83	81.6	68.2	102.4
85	54.9	43.0	64.4
99	62.0	50.1	75.1

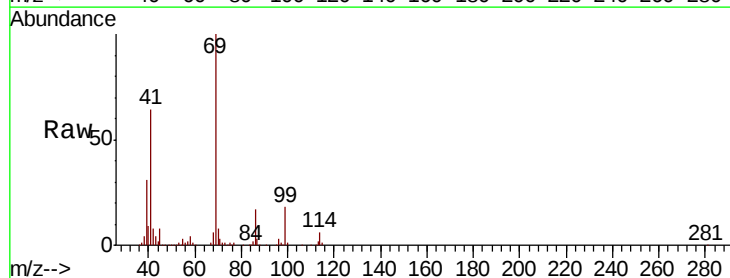


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

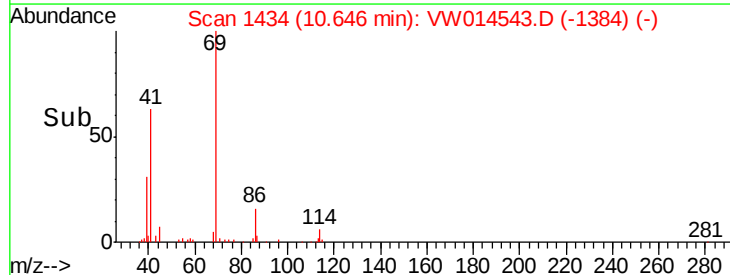
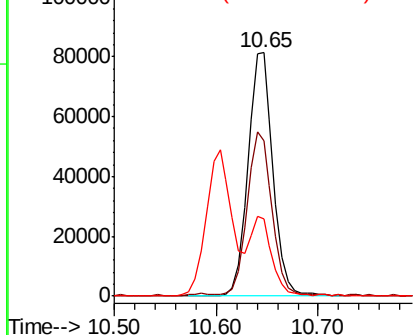


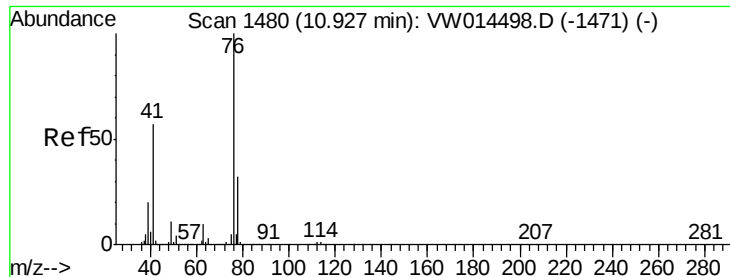
#56
 Ethyl methacrylate
 Concen: 21.587 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW014543.D
 Acq: 07 Jan 2020 13:09

Tgt Ion:	69	Resp:	138696
Ion	Ratio	Lower	Upper
69	100		
41	65.1	51.3	76.9
39	27.1	21.0	31.6



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 22.930 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.01 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

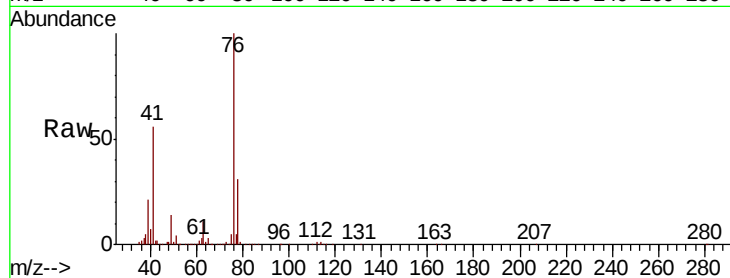
ClientSampleId :

Tot Ion: 76 Resp: 199242

Ion Ratio Lower Upper

76 100

78 32.5 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

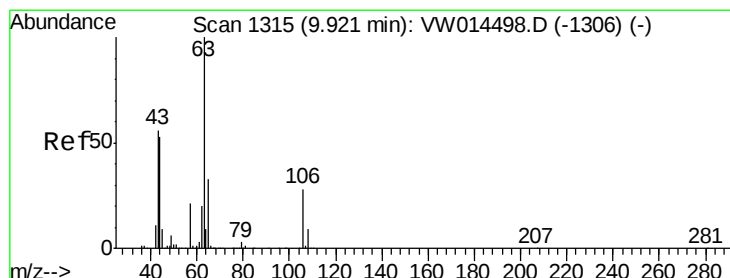
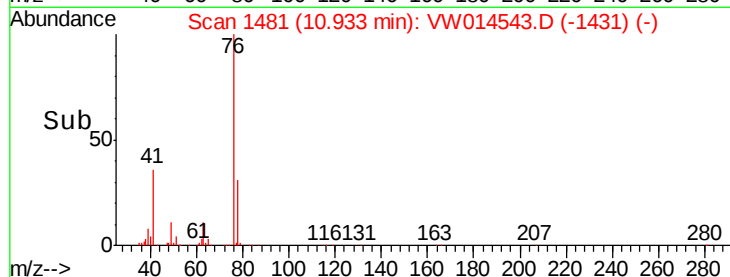
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 103.363 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW014543.D

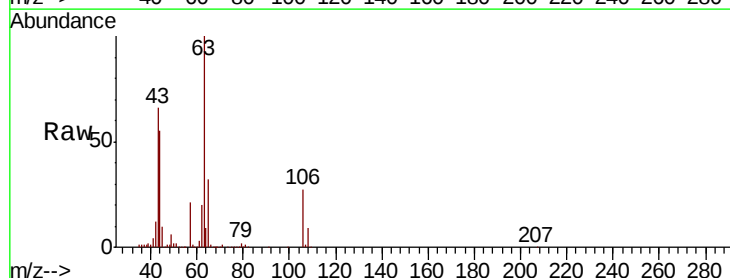
Acq: 07 Jan 2020 13:09

Tgt Ion: 63 Resp: 201978

Ion Ratio Lower Upper

63 100

106 28.1 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

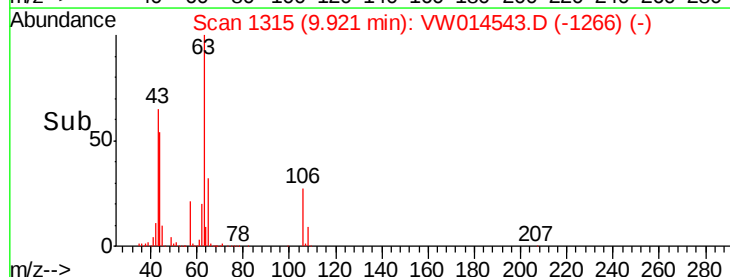
9.92

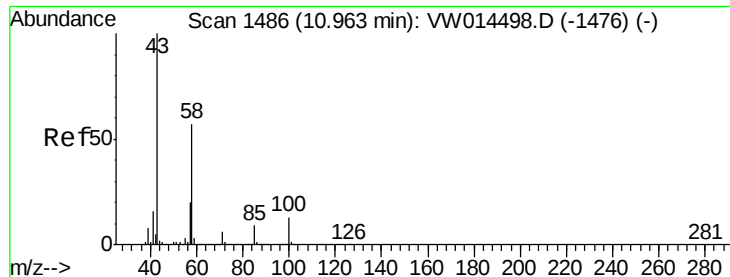
100000

50000

0

Time-->

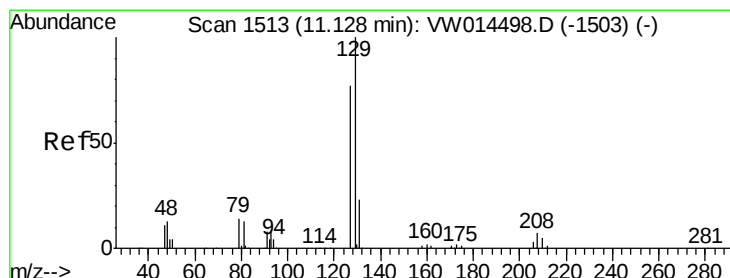
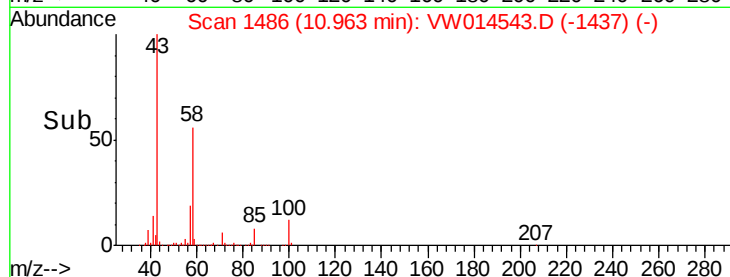
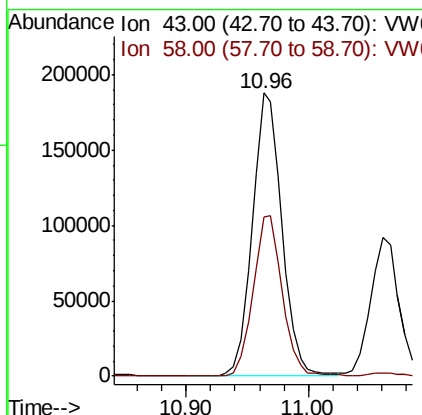
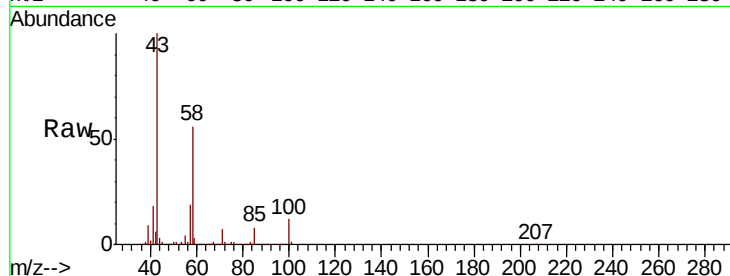




#59
2-Hexanone
Concen: 108.530 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

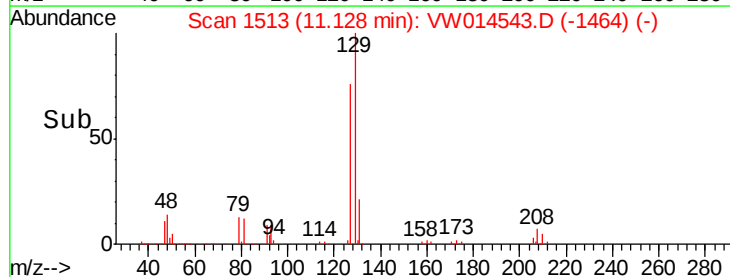
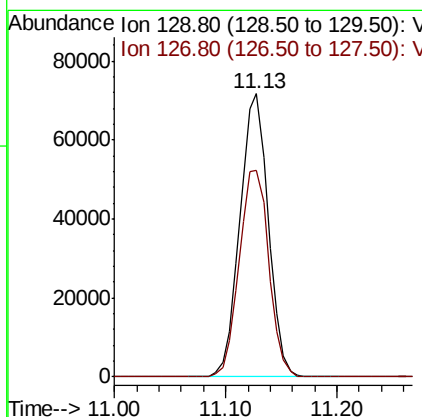
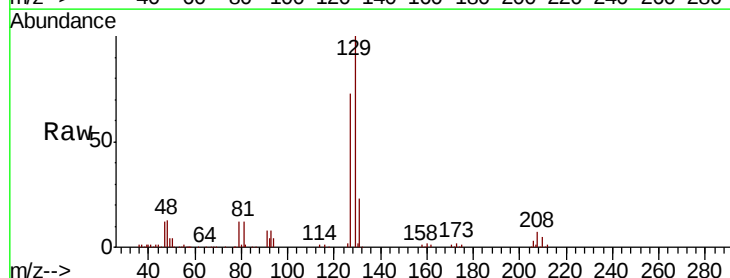
Instrument :
MSVOA_W
ClientSampled :

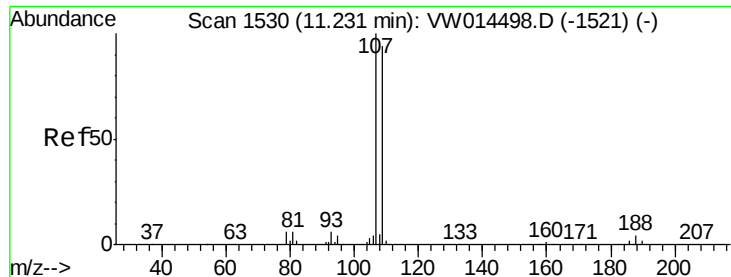
Tot Ion: 43 Resp: 315887
Ion Ratio Lower Upper
43 100
58 56.0 28.7 86.3



#60
Dibromochloromethane
Concen: 22.761 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

Tgt Ion: 129 Resp: 126964
Ion Ratio Lower Upper
129 100
127 76.2 38.1 114.5





#61

1,2-Dibromoethane

Concen: 22.048 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

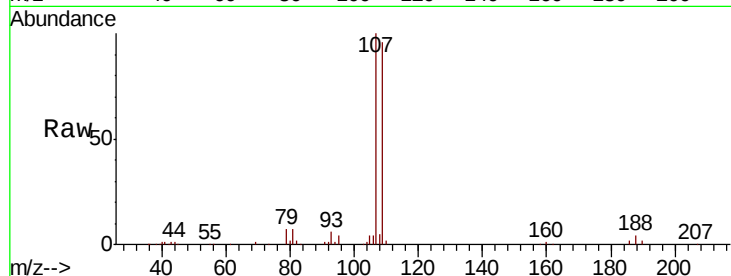
ClientSampleId :

Tot Ion:107 Resp: 103470

Ion Ratio Lower Upper

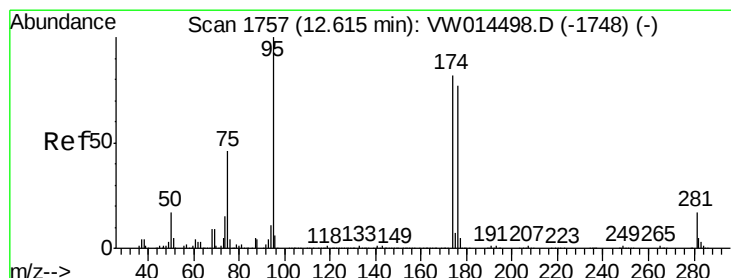
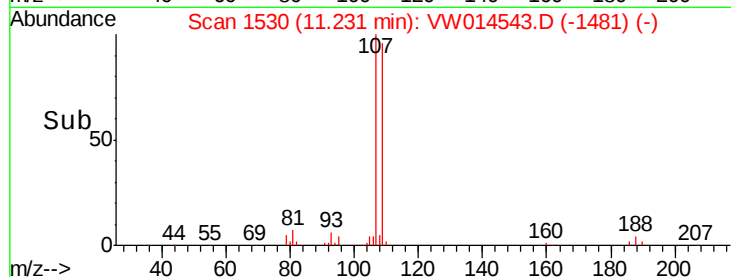
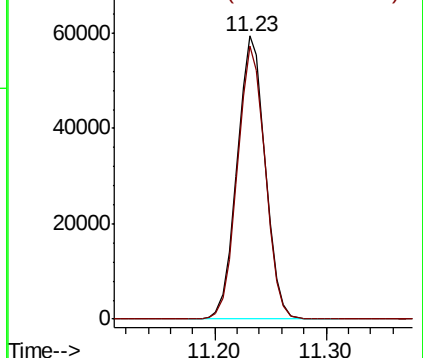
107 100

109 95.6 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.635 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

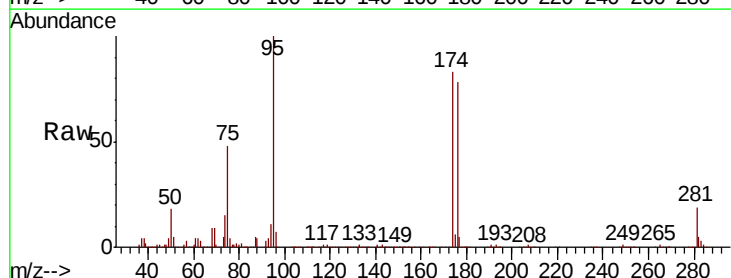
Tgt Ion: 95 Resp: 436223

Ion Ratio Lower Upper

95 100

174 83.7 0.0 168.6

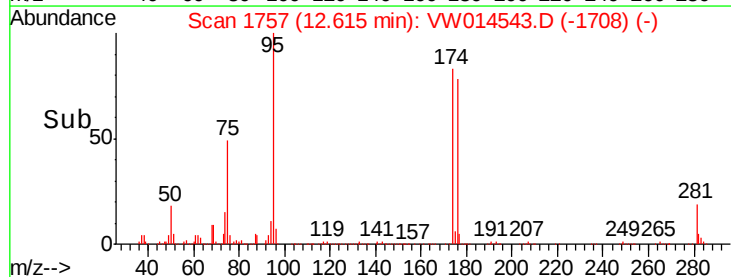
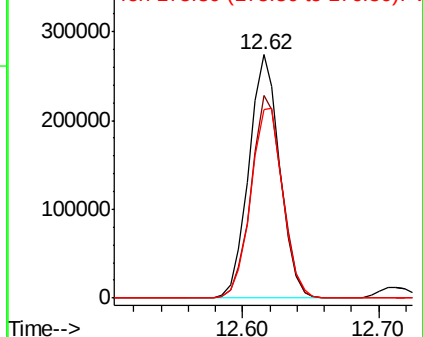
176 81.3 0.0 162.0

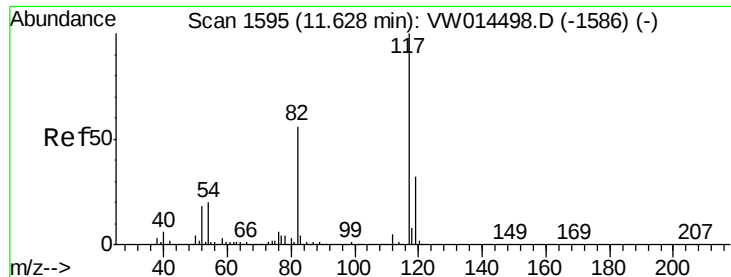


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

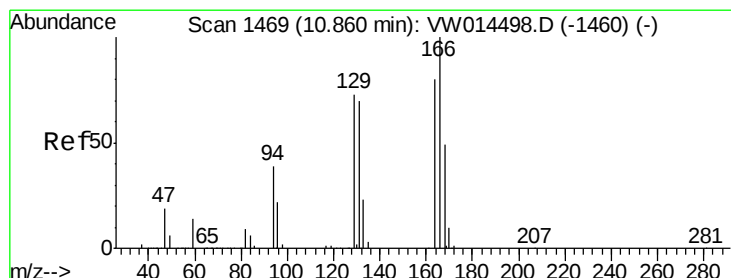
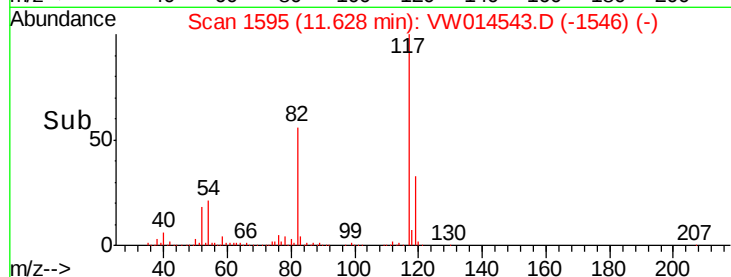
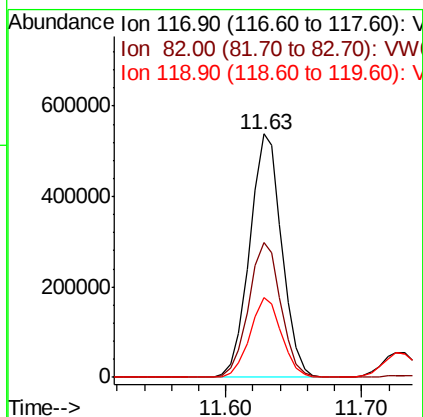
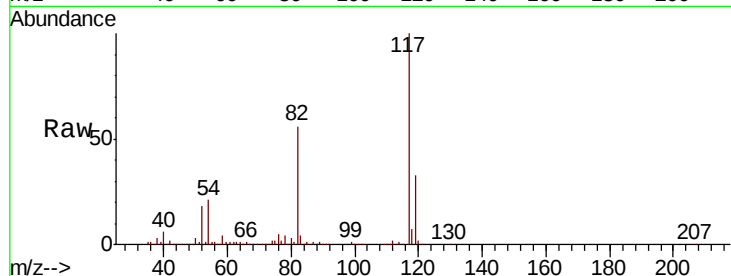




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

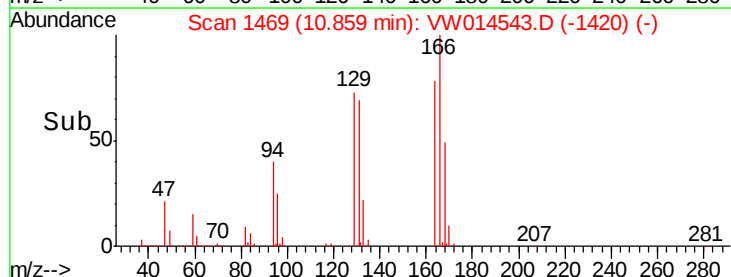
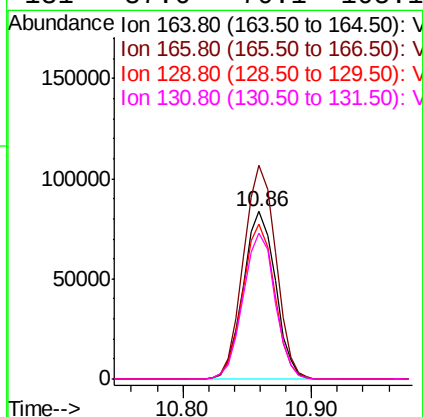
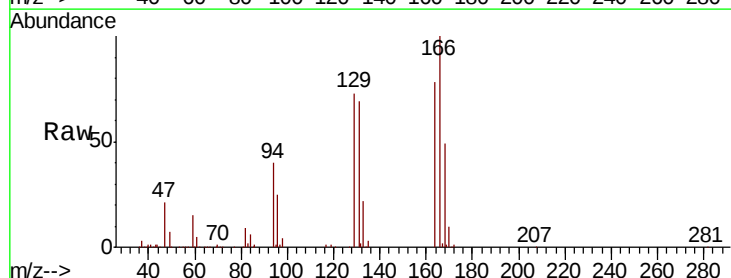
Instrument :
MSVOA_W
ClientSampleId :

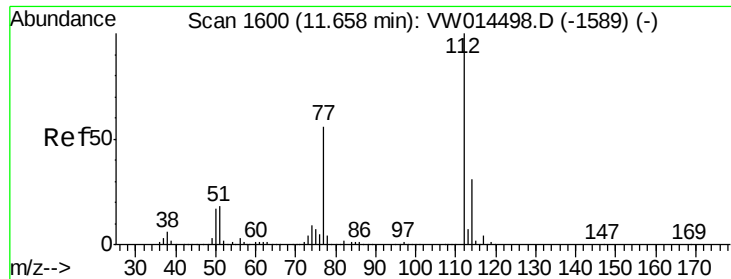
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.6	67.0
119	32.5	25.7	38.5



#64
Tetrachloroethene
Concen: 22.440 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	99.8	149.6
129	92.8	72.4	108.6
131	87.6	70.1	105.1





#65

Chlorobenzene

Concen: 22.866 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

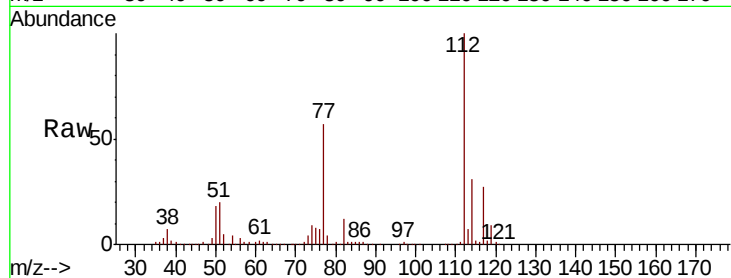
ClientSampled :

Tot Ion:112 Resp: 416772

Ion Ratio Lower Upper

112 100

114 31.3 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

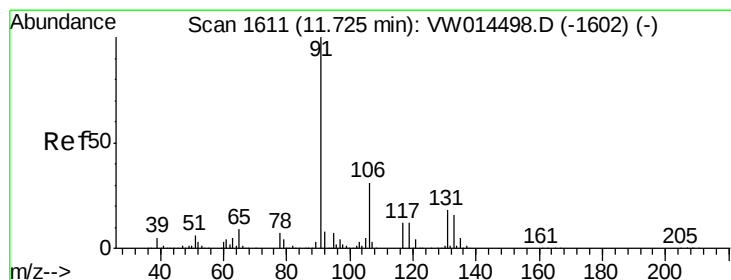
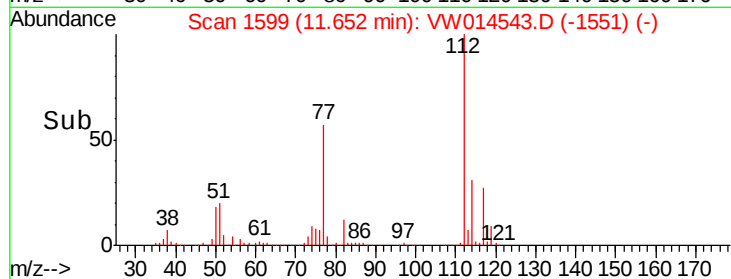
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 23.093 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

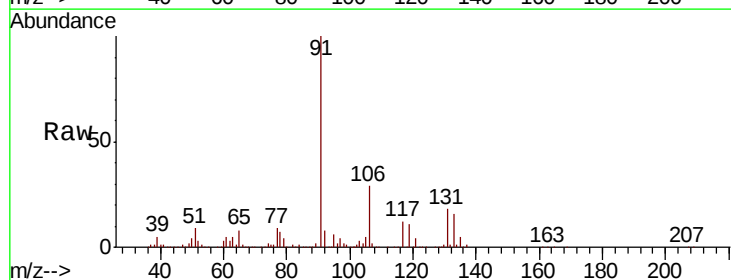
Tgt Ion:131 Resp: 141722

Ion Ratio Lower Upper

131 100

133 94.3 47.3 142.0

119 65.1 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

200000

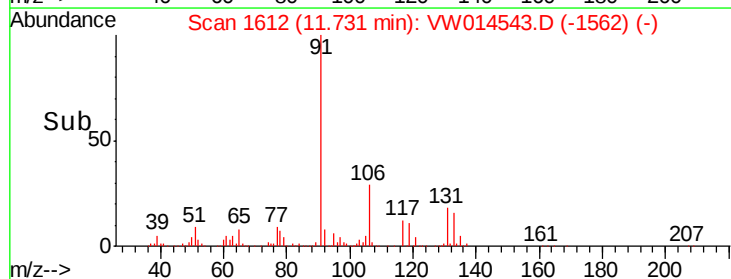
150000

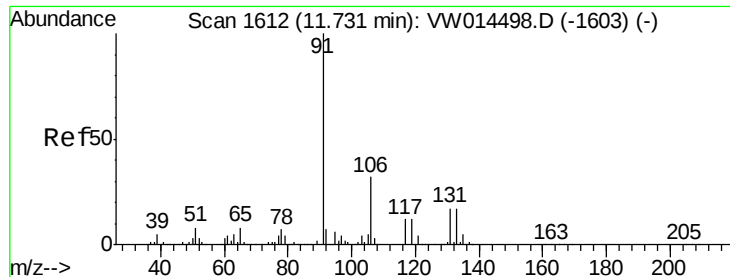
100000

50000

0

Time-->

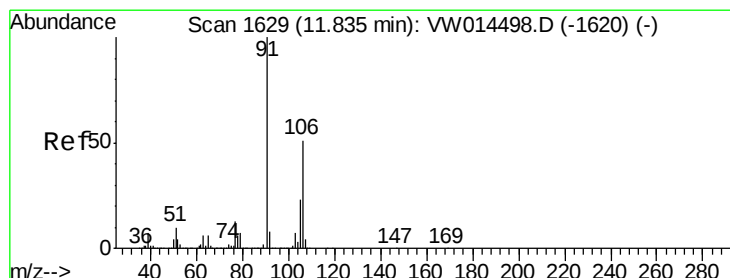
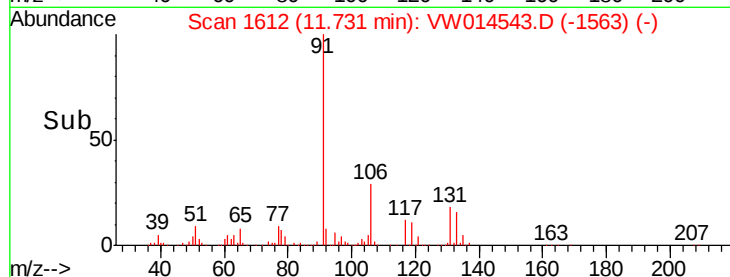
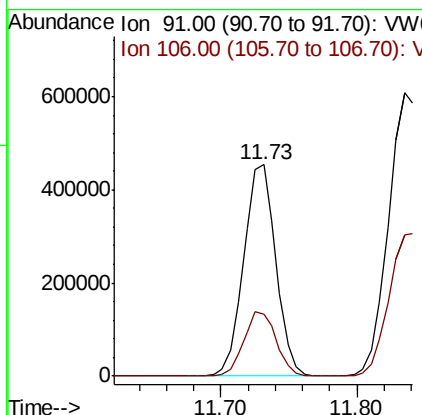
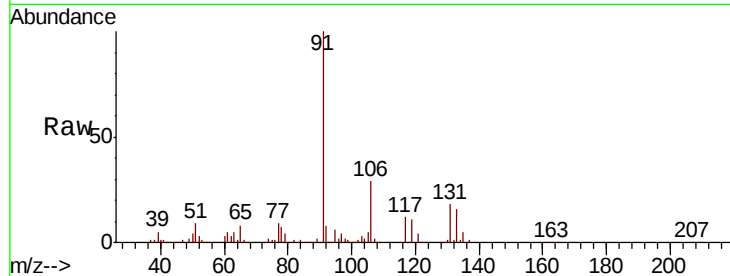




#67
Ethyl Benzene
Concen: 22.819 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

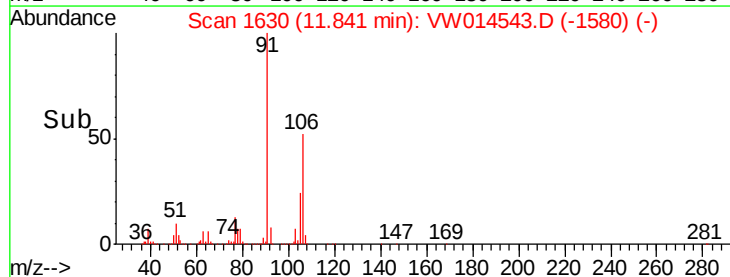
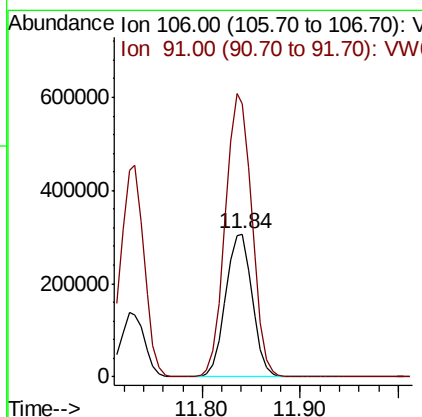
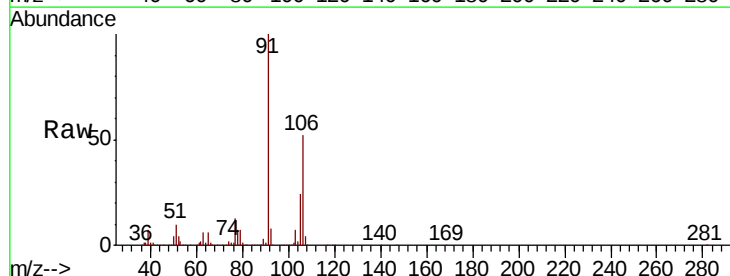
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 91 Resp: 749563
Ion Ratio Lower Upper
91 100
106 29.5 25.5 38.3



#68
m/p-Xylenes
Concen: 46.011 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

Tgt Ion: 106 Resp: 578426
Ion Ratio Lower Upper
106 100
91 198.0 159.0 238.6

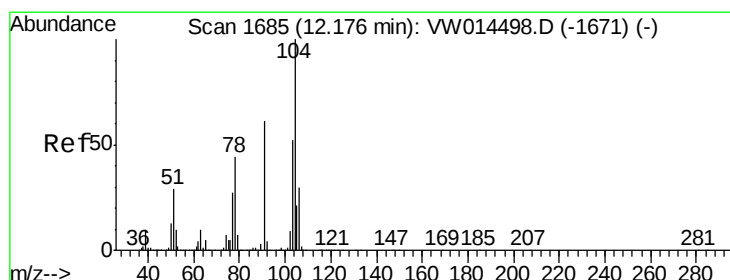
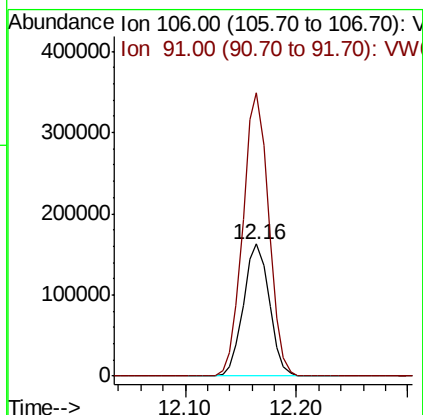
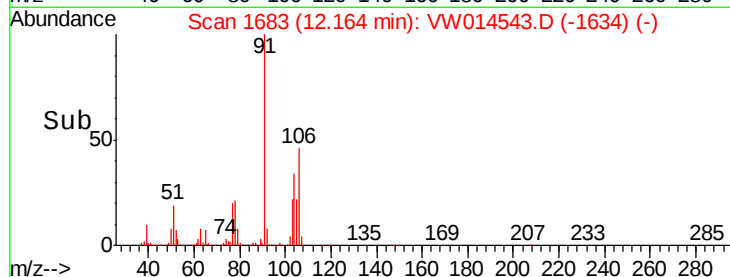
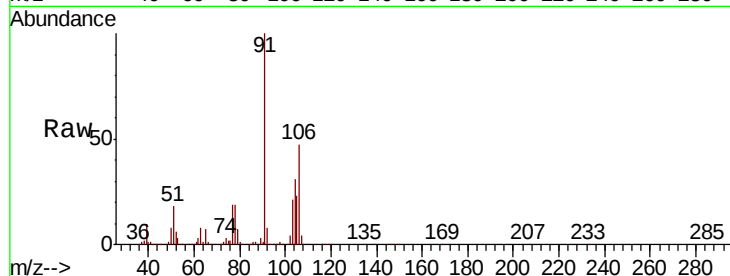




#69
o-Xylene
Concen: 22.690 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

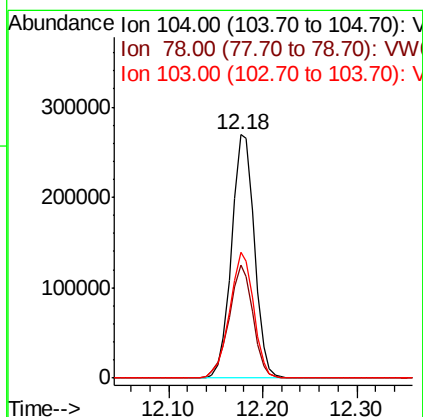
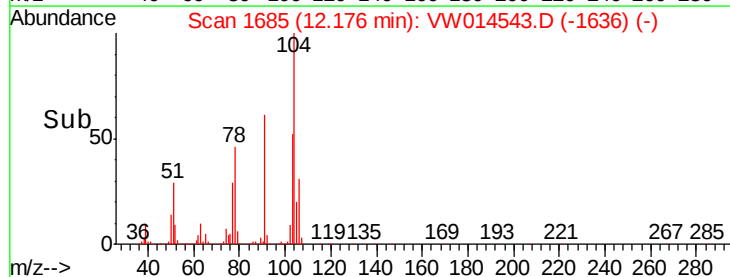
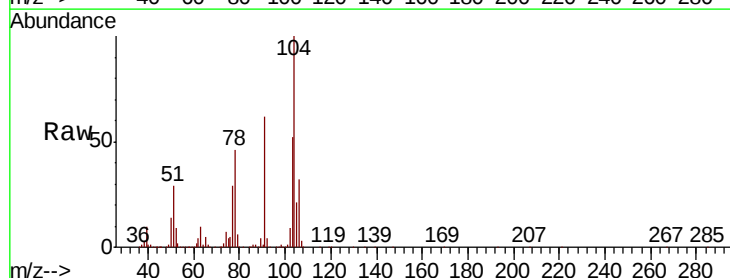
Instrument :
MSVOA_W
ClientSampleId :

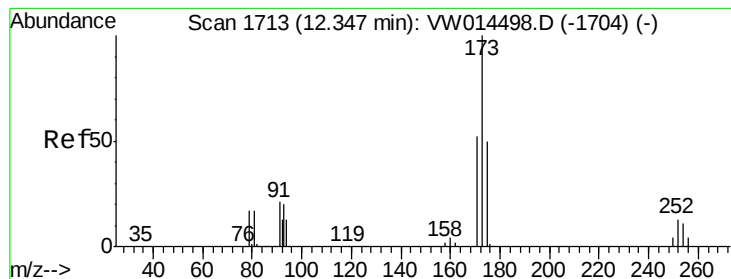
Tot Ion:106 Resp: 263484
Ion Ratio Lower Upper
106 100
91 213.5 105.2 315.6



#70
Styrene
Concen: 23.096 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

Tgt Ion:104 Resp: 453648
Ion Ratio Lower Upper
104 100
78 48.7 38.4 57.6
103 54.3 43.7 65.5





#71

Bromoform

Concen: 21.489 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

ClientSampled :

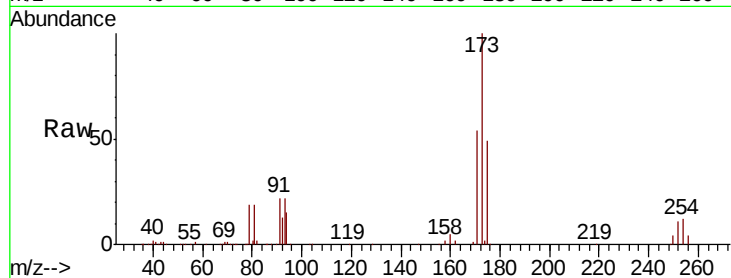
Tot Ion:173 Resp: 71933

Ion Ratio Lower Upper

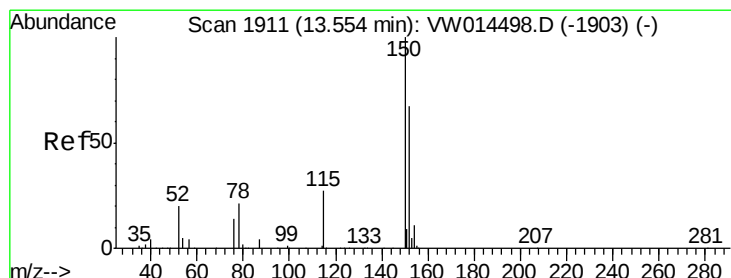
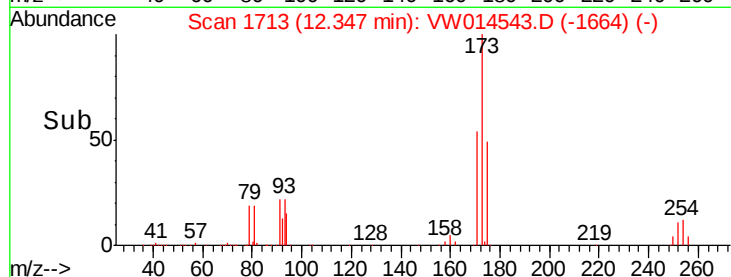
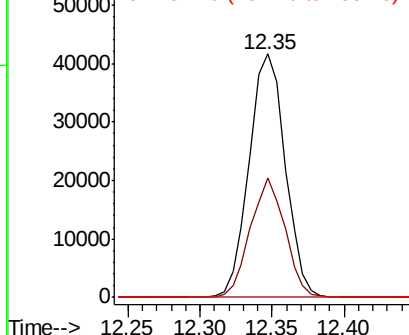
173 100

175 47.1 24.5 73.5

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

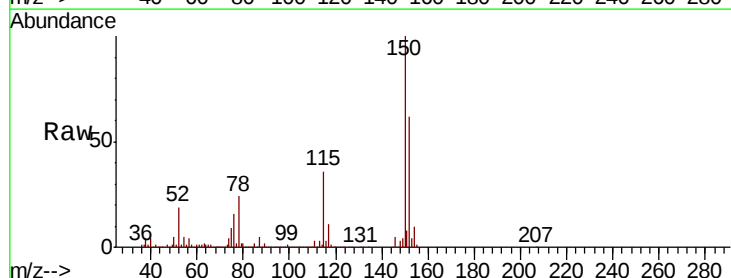
Tgt Ion:152 Resp: 452050

Ion Ratio Lower Upper

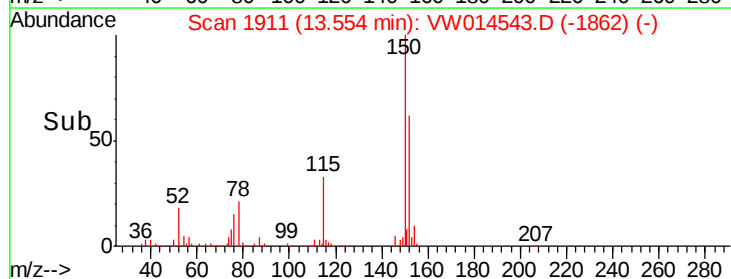
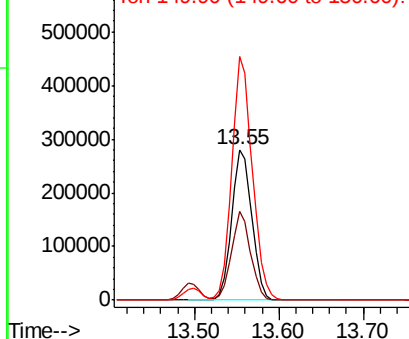
152 100

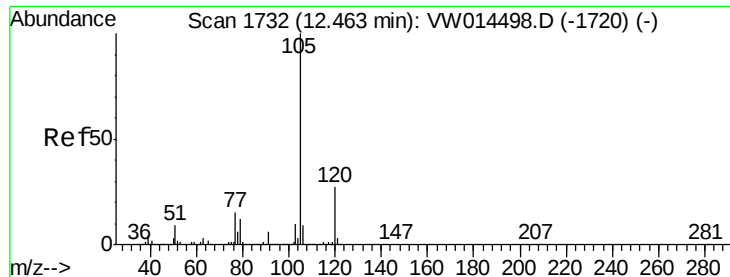
115 56.0 27.7 83.1

150 165.1 0.0 343.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.641 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

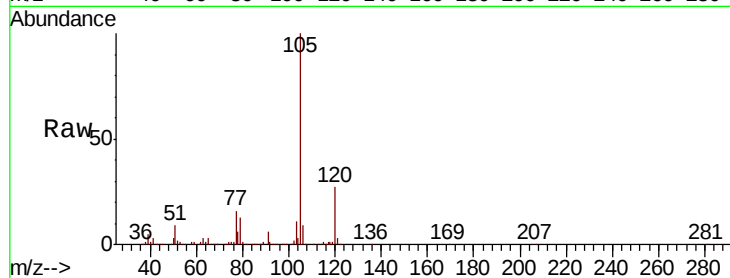
ClientSampled :

Tot Ion:105 Resp: 717812

Ion Ratio Lower Upper

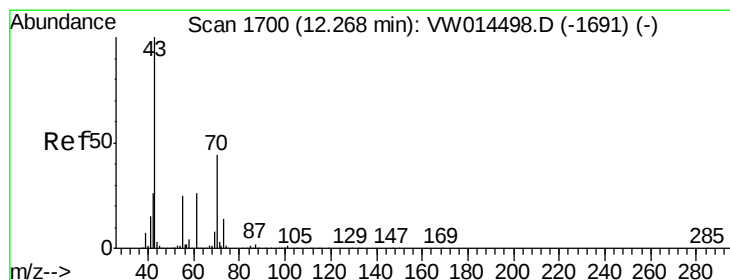
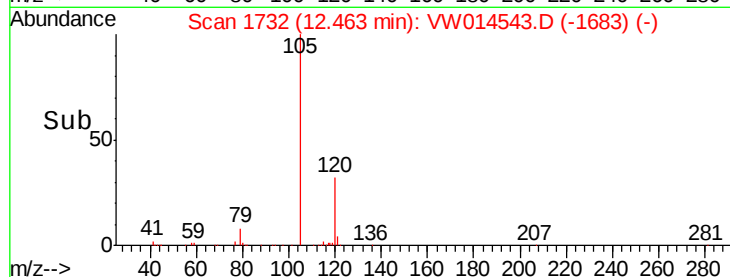
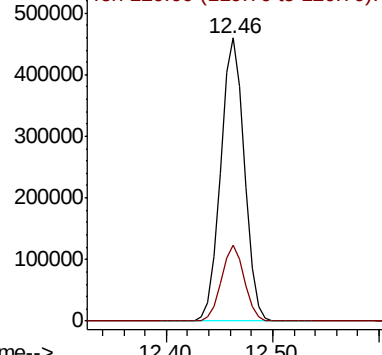
105 100

120 26.1 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.515 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Tgt Ion: 43 Resp: 160015

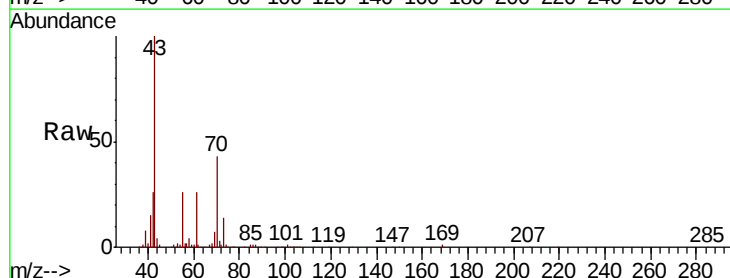
Ion Ratio Lower Upper

43 100

70 44.4 36.5 54.7

55 27.6 20.9 31.3

61 25.1 20.7 31.1

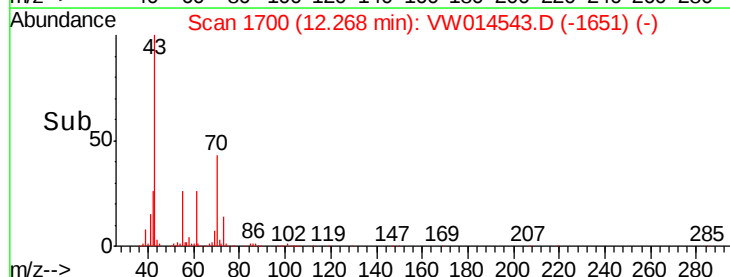
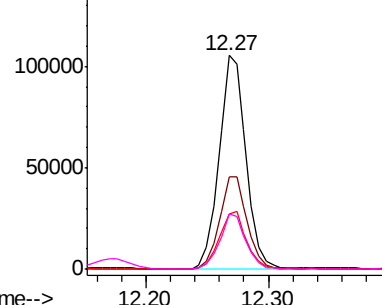


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 21.469 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

ClientSampled :

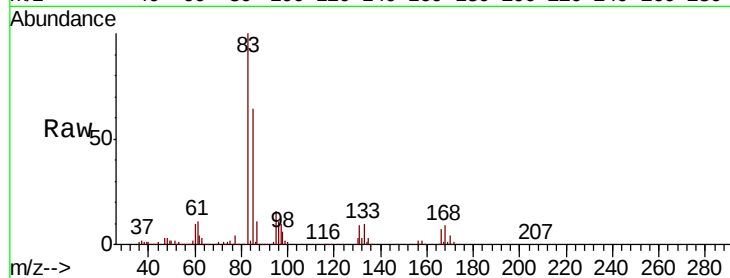
Tot Ion: 83 Resp: 128535

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.4

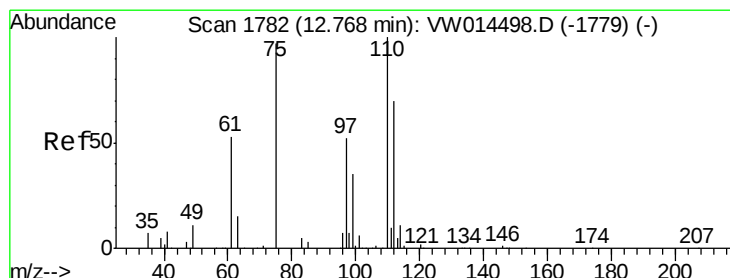
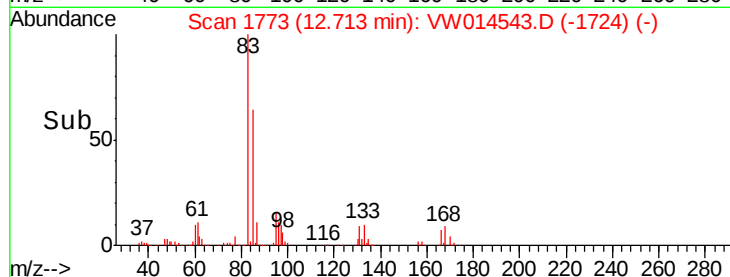
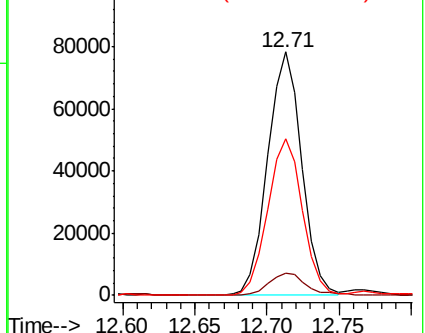
85 65.7 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 37.938 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014543.D

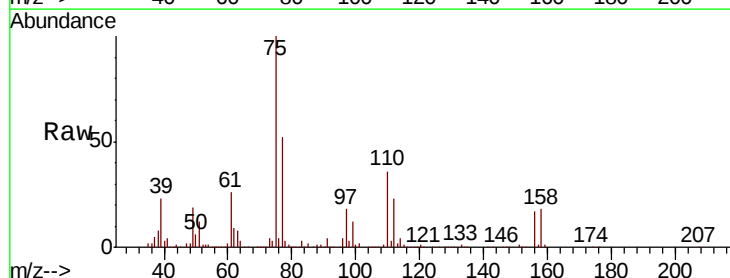
Acq: 07 Jan 2020 13:09

Tgt Ion: 75 Resp: 162150

Ion Ratio Lower Upper

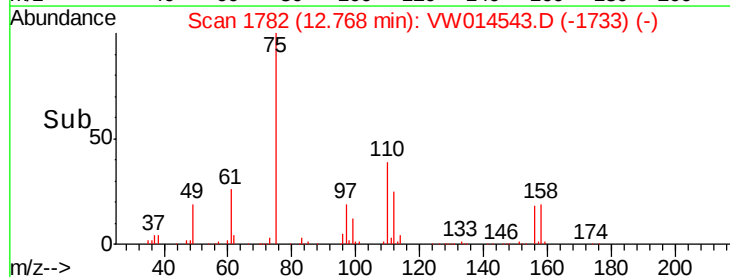
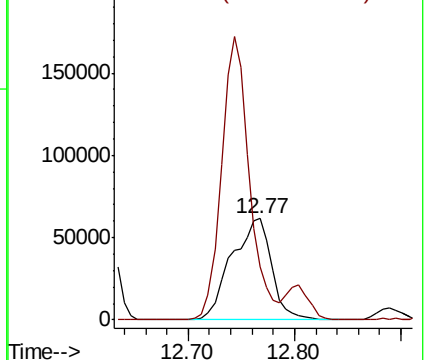
75 100

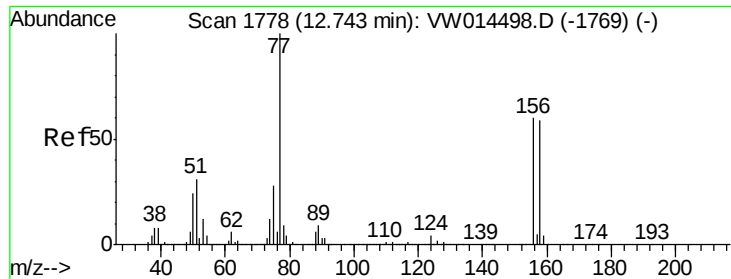
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.959 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

ClientSampleId :

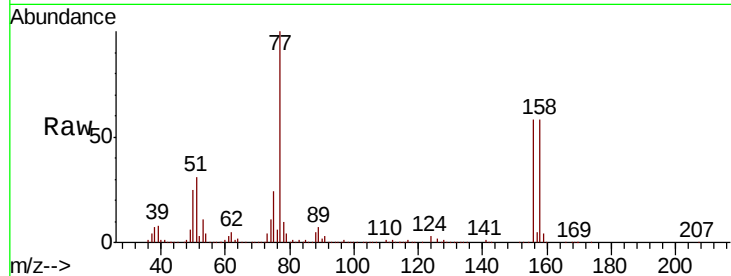
Tot Ion:156 Resp: 169170

Ion Ratio Lower Upper

156 100

77 186.2 92.3 277.1

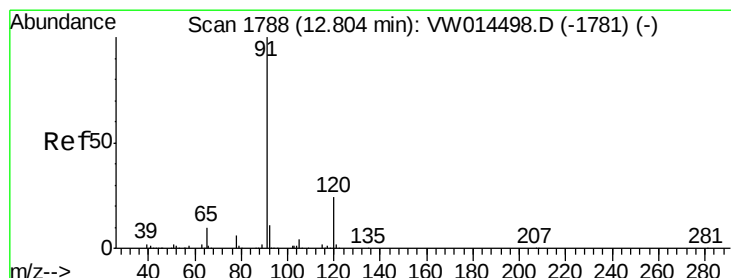
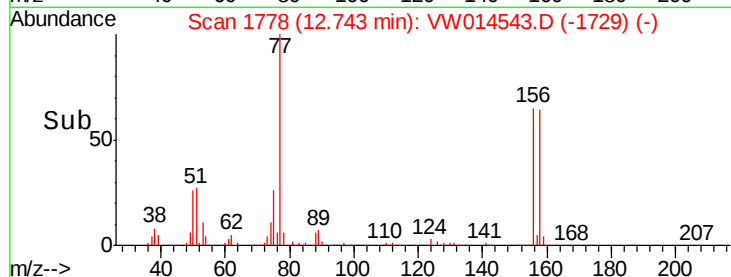
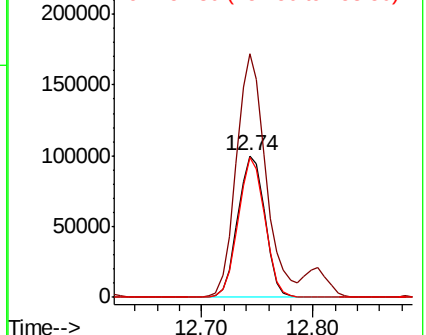
158 96.7 48.6 145.9



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: 22.077 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW014543.D

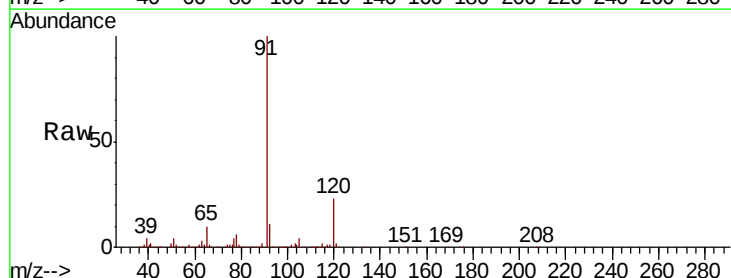
Acq: 07 Jan 2020 13:09

Tgt Ion: 91 Resp: 861098

Ion Ratio Lower Upper

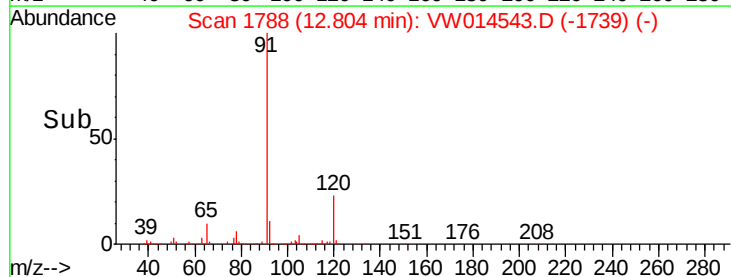
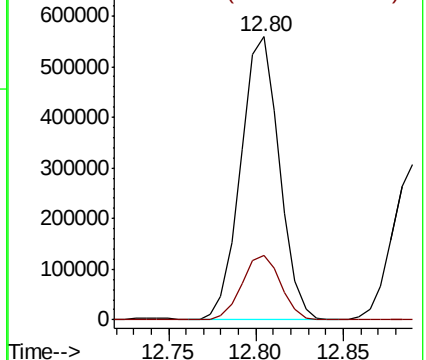
91 100

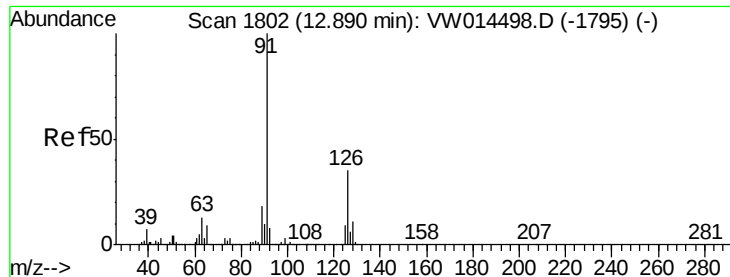
120 23.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.203 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

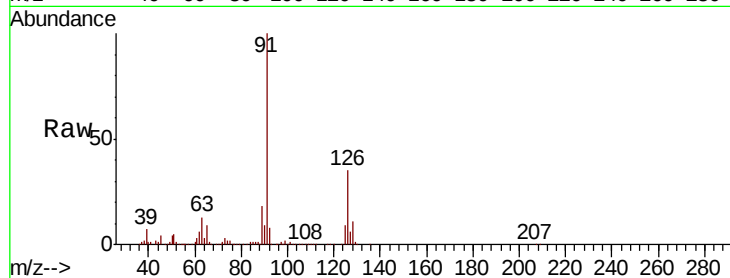
ClientSampleId :

Tot Ion: 91 Resp: 492827

Ion Ratio Lower Upper

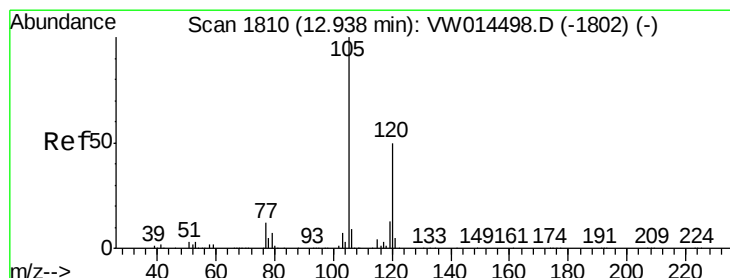
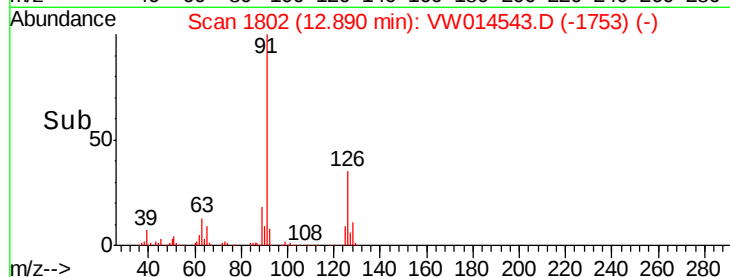
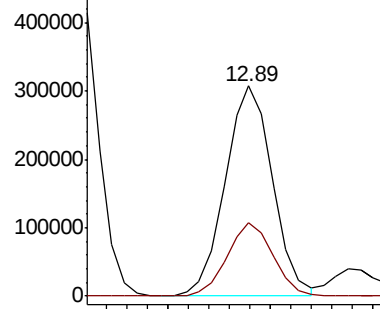
91 100

126 34.0 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.252 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW014543.D

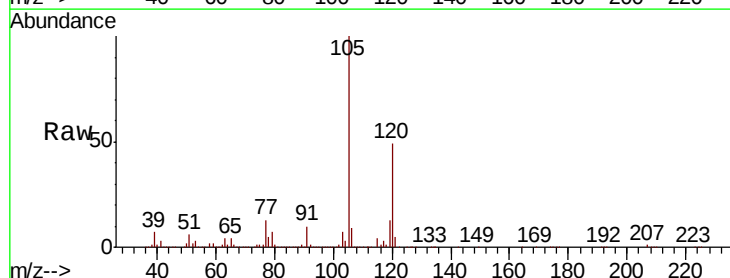
Acq: 07 Jan 2020 13:09

Tgt Ion: 105 Resp: 619733

Ion Ratio Lower Upper

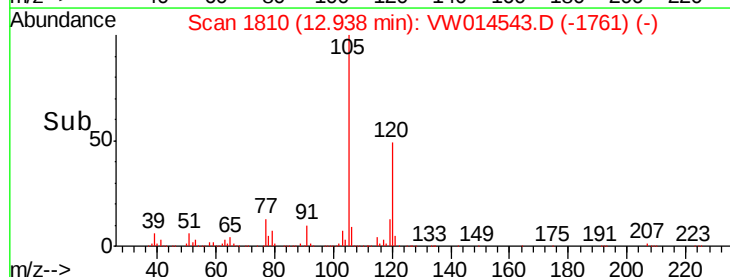
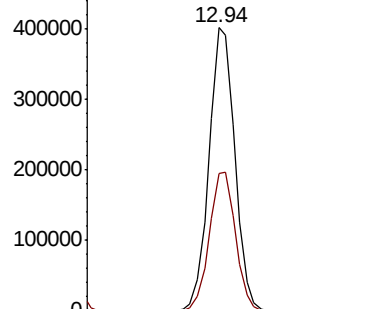
105 100

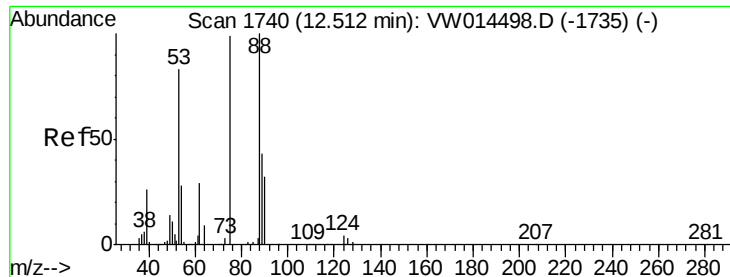
120 49.8 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.831 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

ClientSampled :

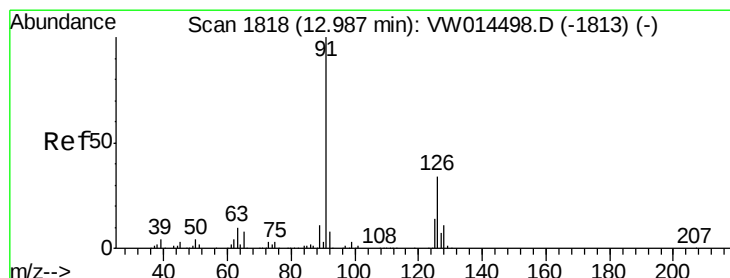
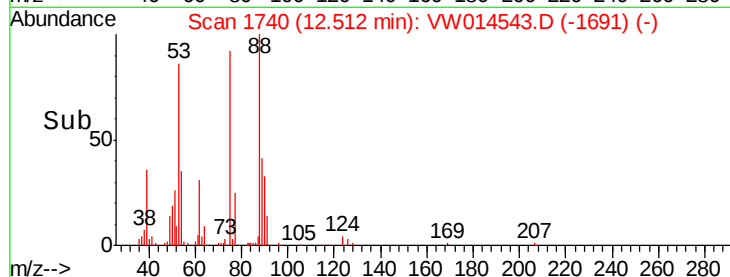
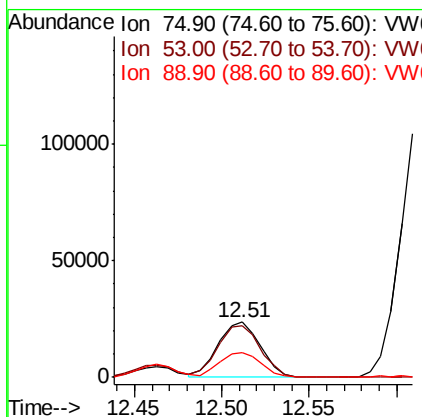
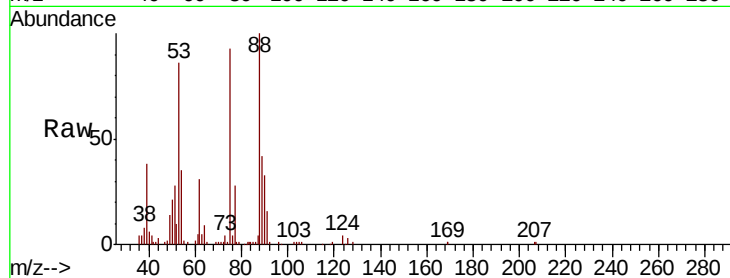
Tot Ion: 75 Resp: 39960

Ion Ratio Lower Upper

75 100

53 95.2 70.9 106.3

89 43.5 35.8 53.8



#82

4-Chlorotoluene

Concen: 22.636 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW014543.D

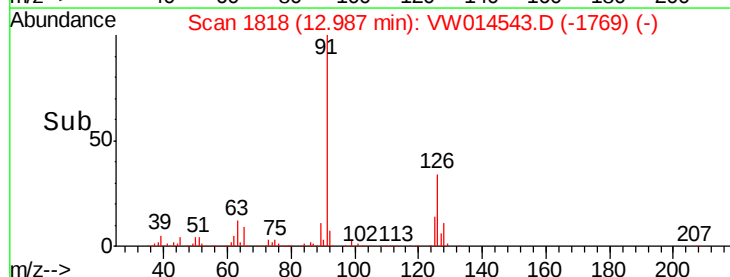
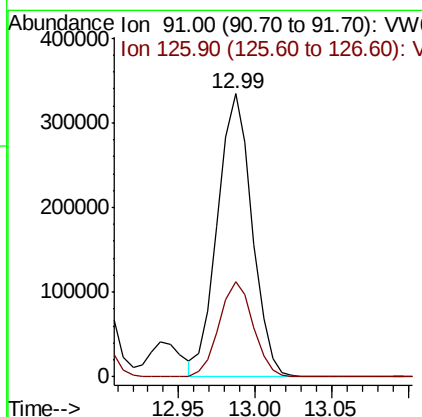
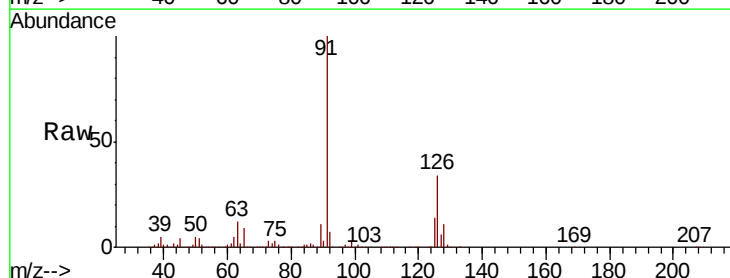
Acq: 07 Jan 2020 13:09

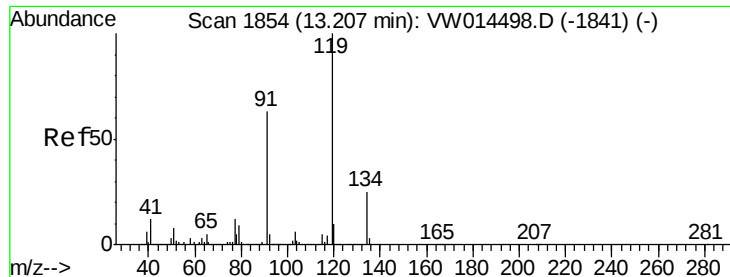
Tgt Ion: 91 Resp: 521983

Ion Ratio Lower Upper

91 100

126 33.5 17.1 51.2

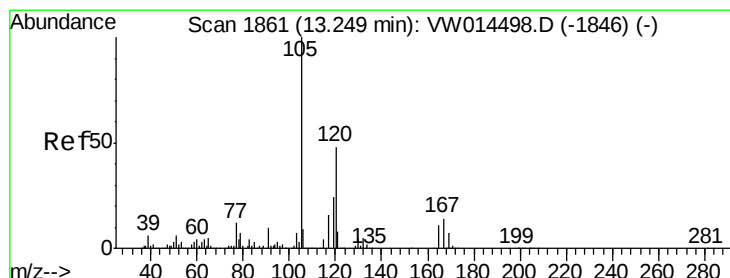
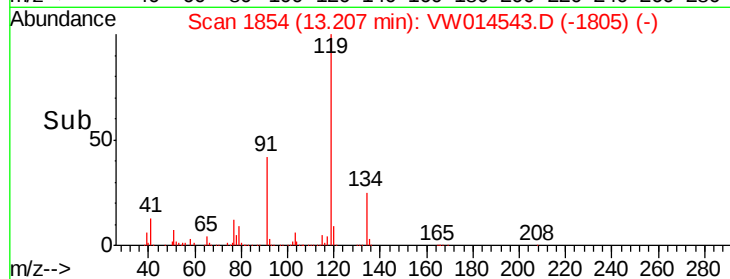
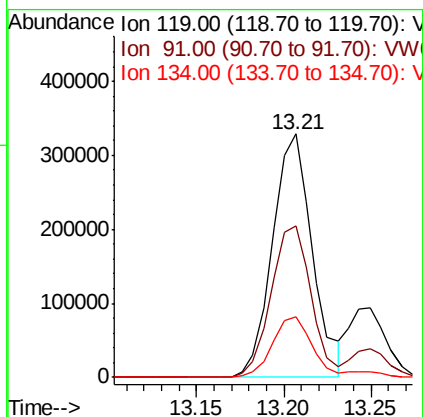
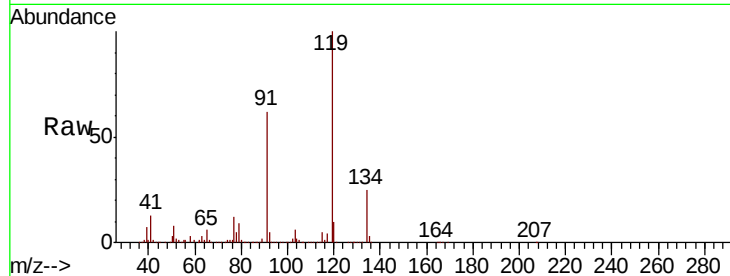




#83
tert-Butylbenzene
Concen: 21.501 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

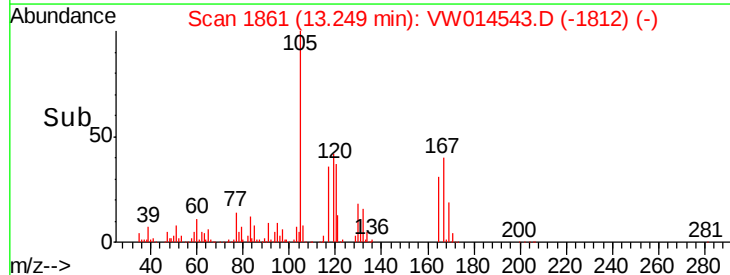
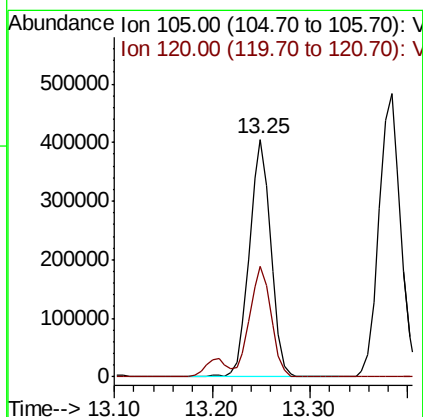
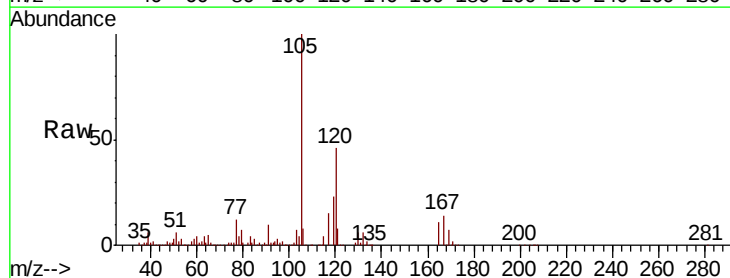
Instrument :
MSVOA_W
ClientSampleId :

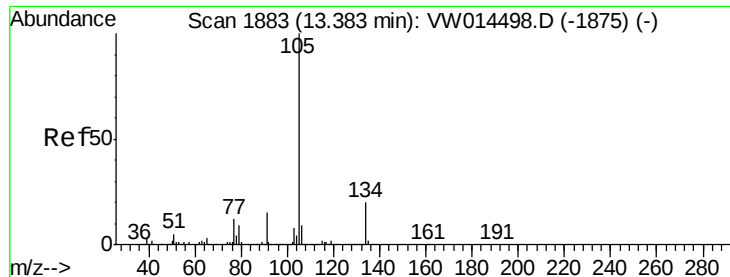
Tot Ion:119 Resp: 524263
Ion Ratio Lower Upper
119 100
91 62.4 31.1 93.3
134 25.2 13.5 40.5



#84
1,2,4-Trimethylbenzene
Concen: 22.255 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

Tgt Ion:105 Resp: 616778
Ion Ratio Lower Upper
105 100
120 46.5 23.4 70.0





#85

sec-Butylbenzene

Concen: 21.796 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

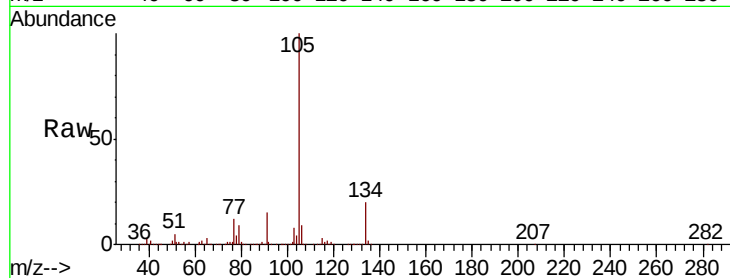
ClientSampled :

Tot Ion:105 Resp: 735627

Ion Ratio Lower Upper

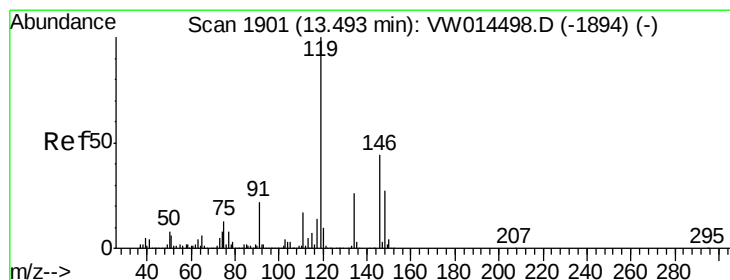
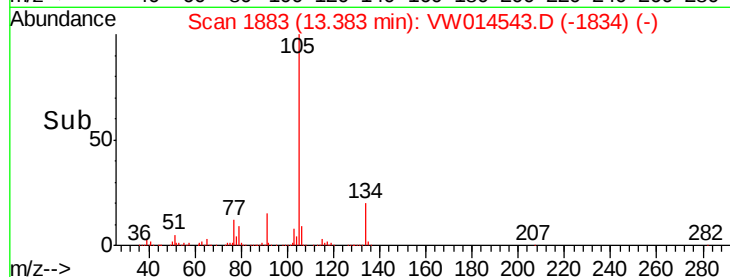
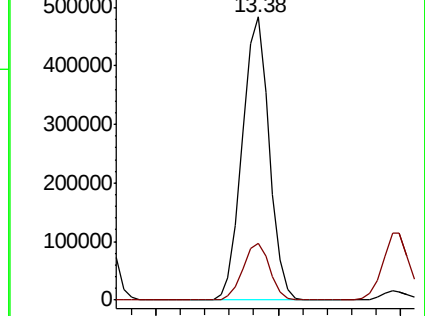
105 100

134 20.2 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.962 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

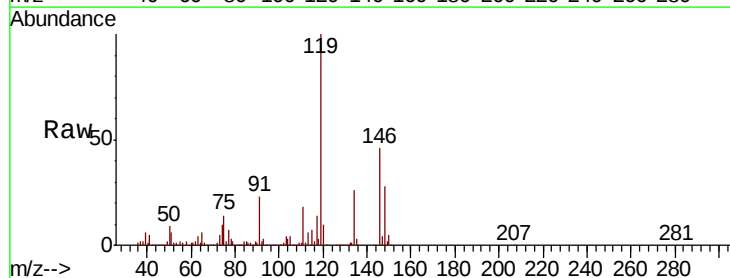
Tgt Ion:119 Resp: 675624

Ion Ratio Lower Upper

119 100

134 26.0 13.2 39.5

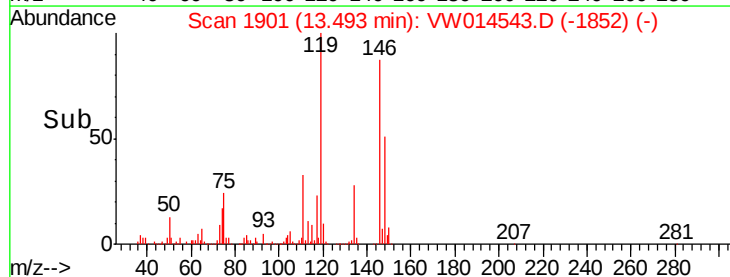
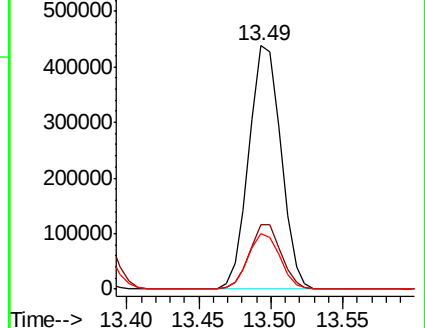
91 22.3 11.1 33.3

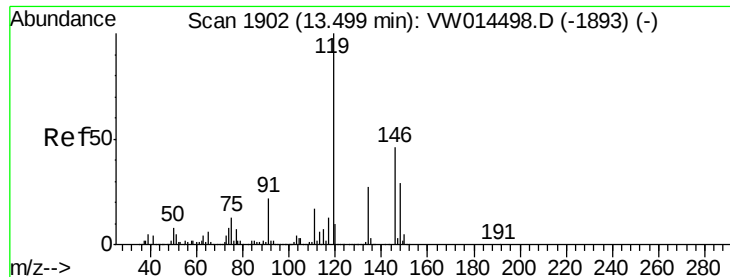


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 22.102 ug/l

RT: 13.49 min Scan# 1901

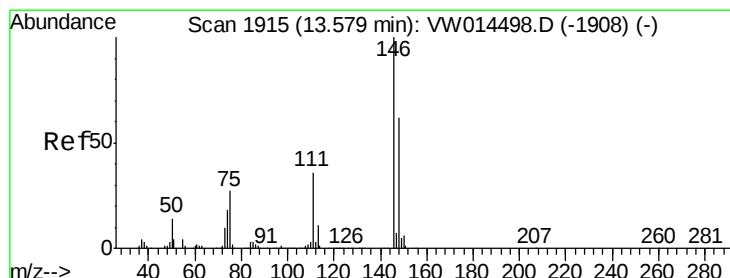
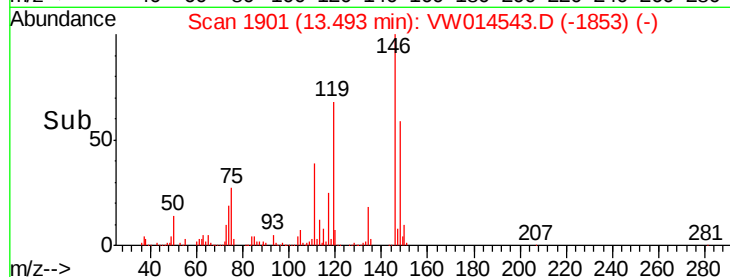
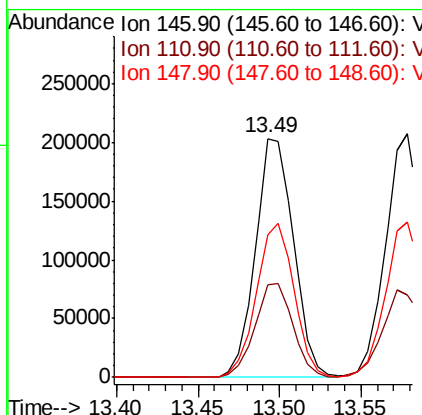
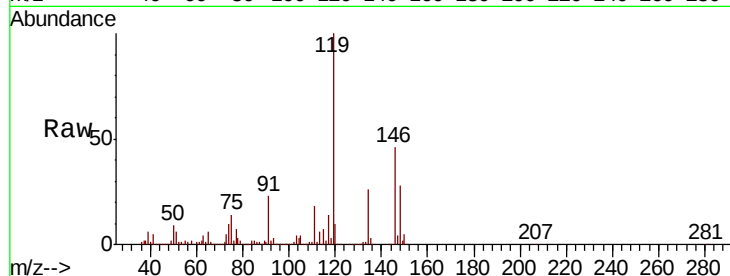
Delta R.T. -0.01 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.9
148	63.4	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 22.338 ug/l

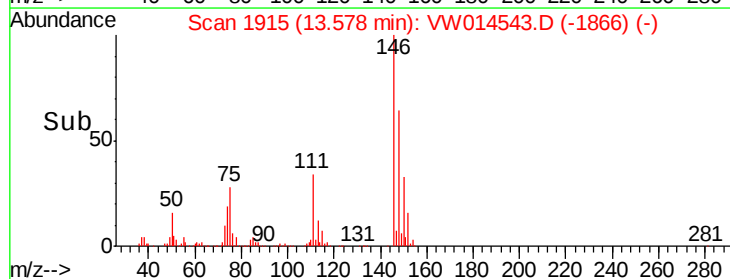
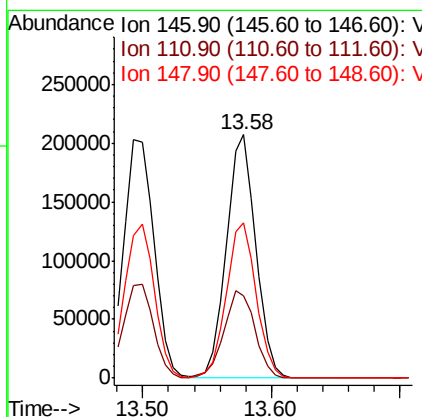
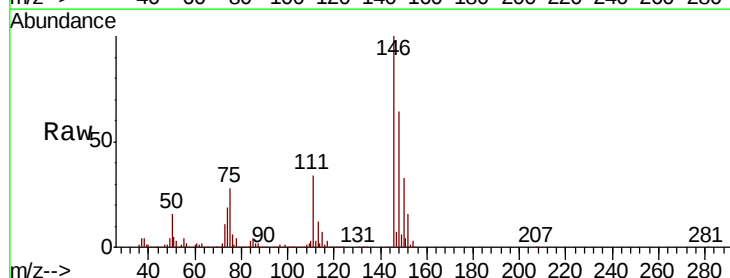
RT: 13.58 min Scan# 1915

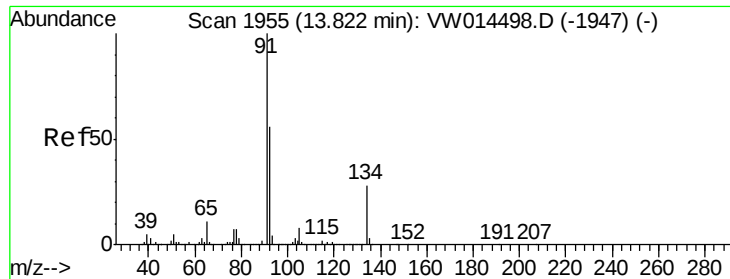
Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.7	56.1
148	64.9	31.7	95.1





#89

n-Butylbenzene

Concen: 21.562 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW014543.D

Acq: 07 Jan 2020 13:09

Instrument :

MSVOA_W

ClientSampled :

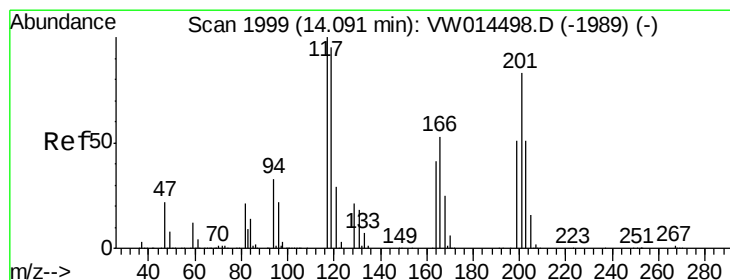
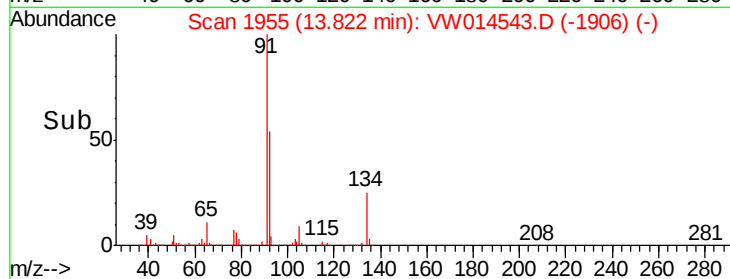
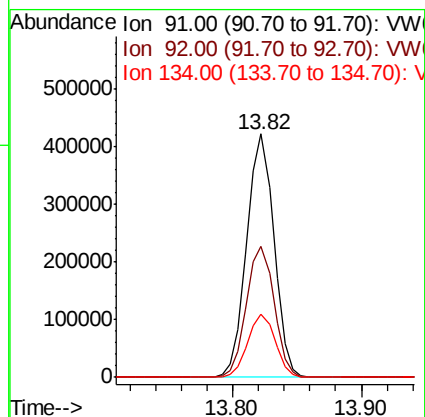
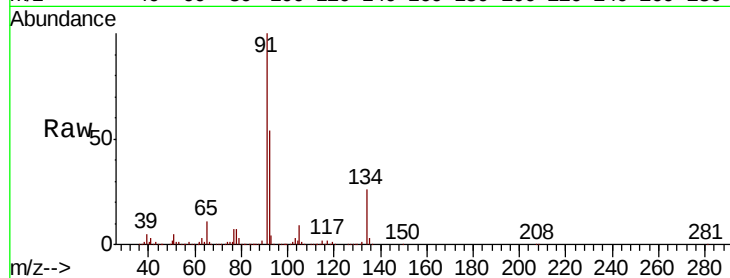
Tot Ion: 91 Resp: 615998

Ion Ratio Lower Upper

91 100

92 54.9 27.5 82.5

134 26.3 13.7 41.1



#90

Hexachloroethane

Concen: 21.005 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW014543.D

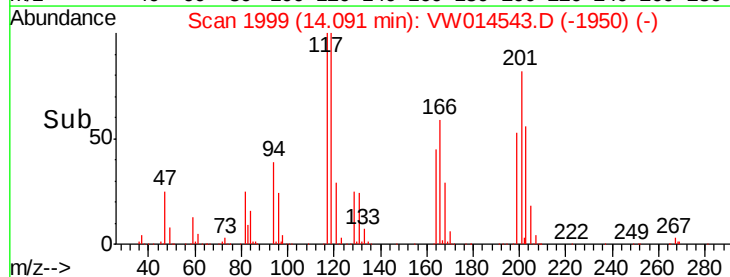
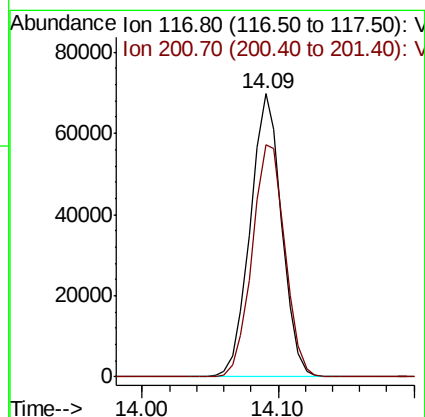
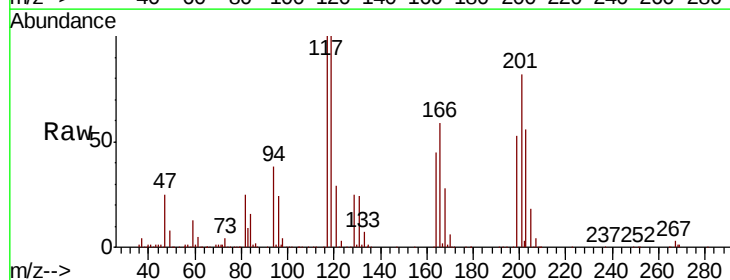
Acq: 07 Jan 2020 13:09

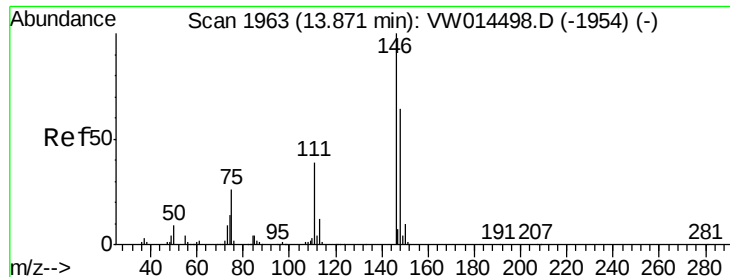
Tgt Ion: 117 Resp: 112888

Ion Ratio Lower Upper

117 100

201 85.7 43.0 128.8

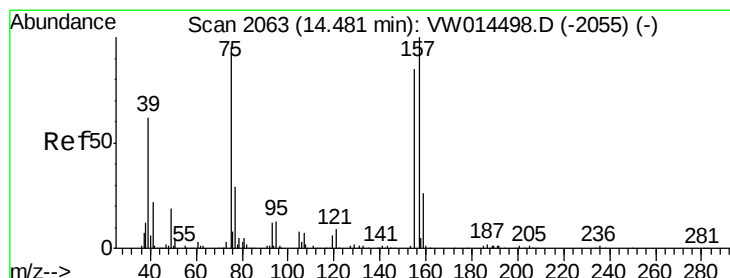
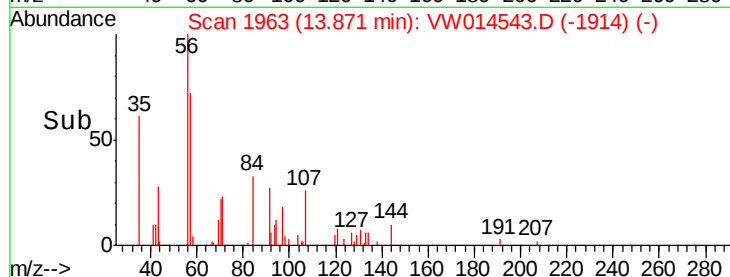
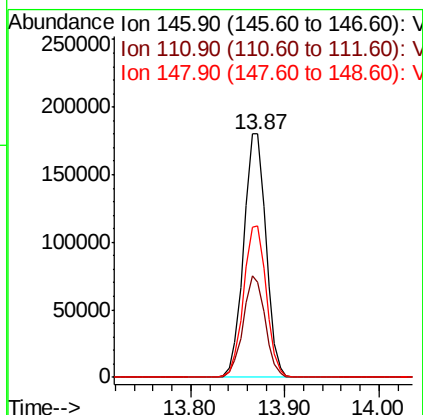
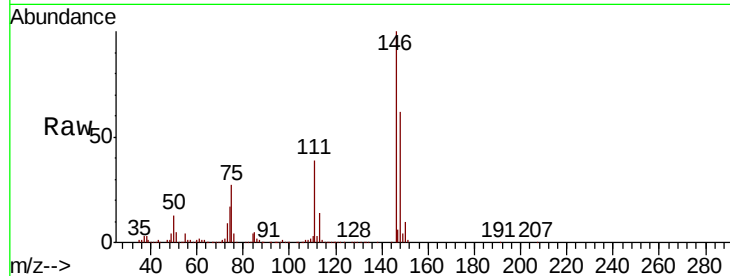




#91
 1,2-Dichlorobenzene
 Concen: 22.729 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW014543.D
 Acq: 07 Jan 2020 13:09

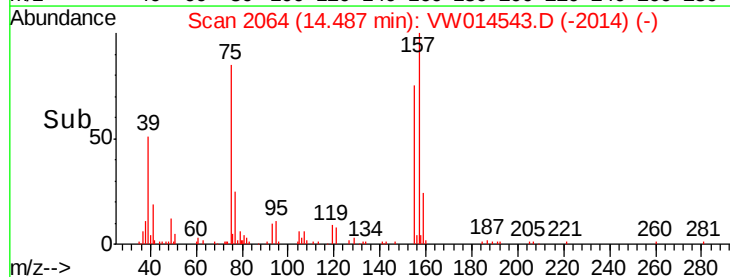
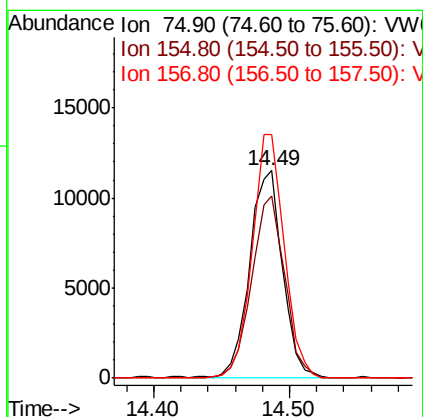
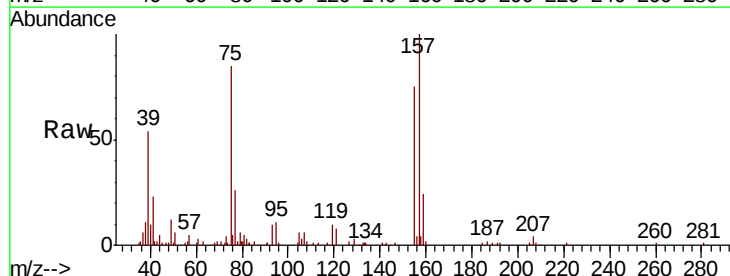
Instrument :
 MSVOA_W
 ClientSampleId :

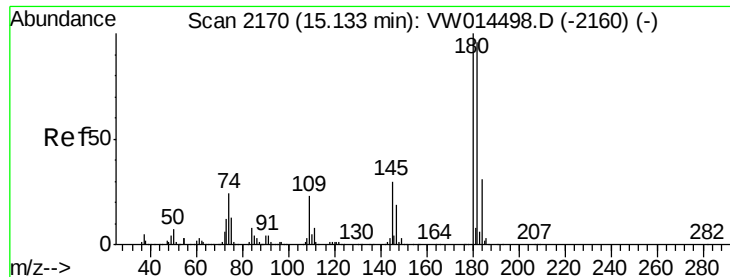
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.4	61.3
148	63.1	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.798 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW014543.D
 Acq: 07 Jan 2020 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.7	45.8	137.4
157	113.3	58.1	174.2

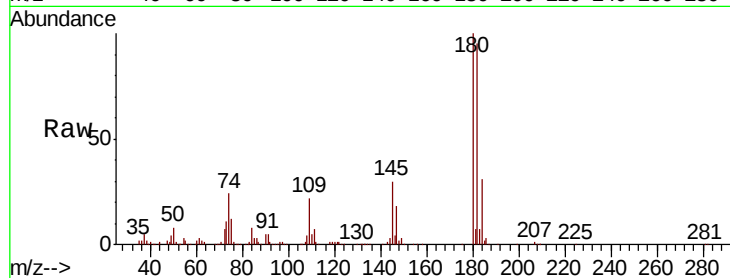




#93
 1,2,4-Trichlorobenzene
 Concen: 21.986 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014543.D
 Acq: 07 Jan 2020 13:09

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.3	141.8
145	29.1	14.7	44.1

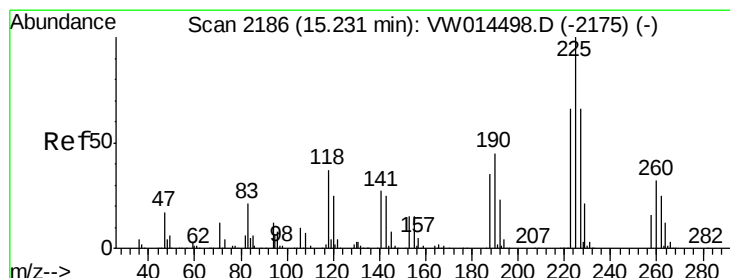
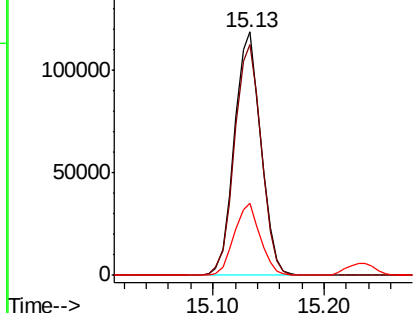
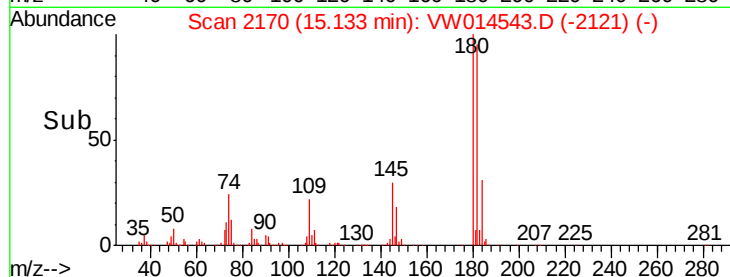


Abundance

Ion 179.80 (179.50 to 180.50): V

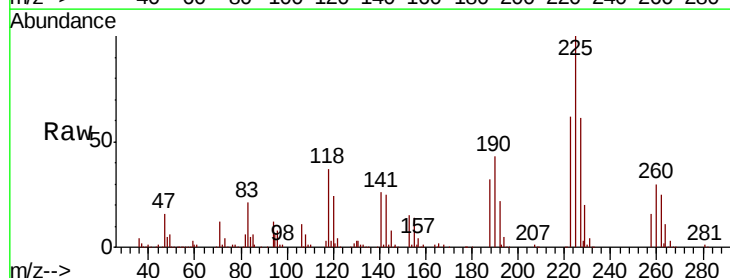
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.931 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VW014543.D
 Acq: 07 Jan 2020 13:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	32.4	97.2
227	63.9	32.6	97.8

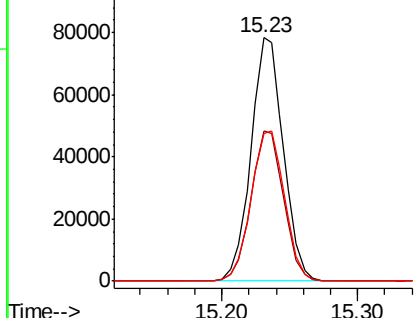
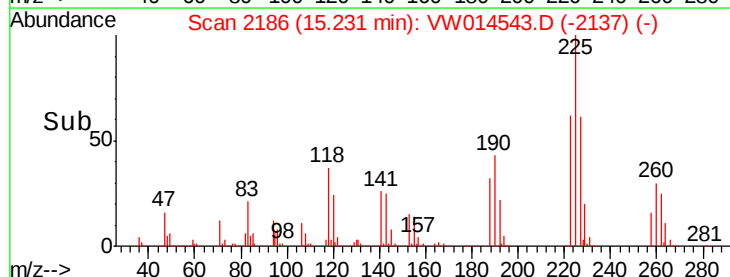


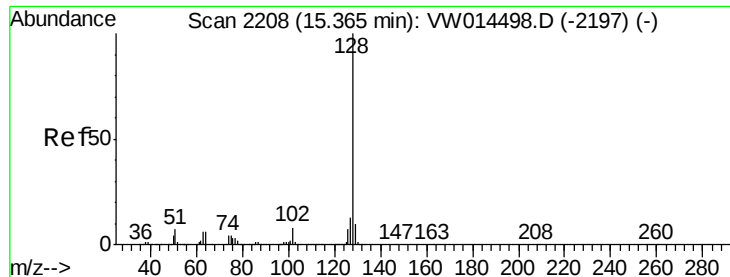
Abundance

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

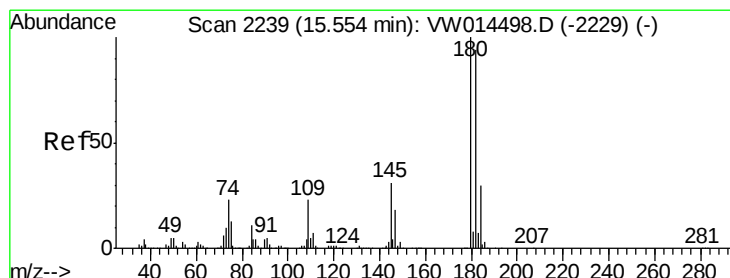
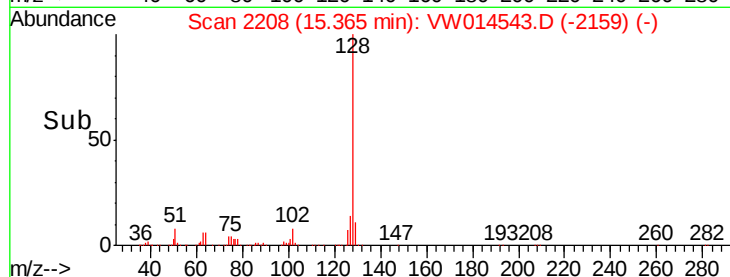
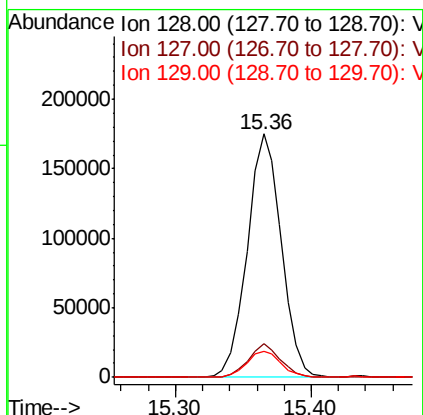
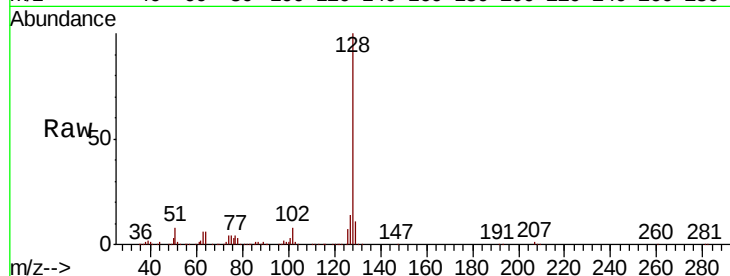




#95
Naphthalene
Concen: 20.203 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 306354
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.599 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014543.D
Acq: 07 Jan 2020 13:09

Tgt Ion:180 Resp: 167397
Ion Ratio Lower Upper
180 100
182 94.1 47.4 142.2
145 30.1 15.5 46.5

