

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051520\
 Data File : VW015430.D
 Acq On : 15 May 2020 13:35
 Operator : SY/VA
 Sample : VW0515SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 16 02:47:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:41:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	228445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	372459	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	336882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165403	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	130830	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
35) Dibromofluoromethane	7.88	113	111608	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
50) Toluene-d8	10.32	98	463475	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
62) 4-Bromofluorobenzene	12.62	95	168596	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	26805	20.295	ug/l	98
3) Chloromethane	2.21	50	32278	19.521	ug/l	97
4) Vinyl Chloride	2.36	62	49537	19.783	ug/l	97
5) Bromomethane	2.78	94	35989	18.345	ug/l	92
6) Chloroethane	2.92	64	32247	18.688	ug/l	98
7) Trichlorofluoromethane	3.26	101	32283	17.576	ug/l	98
8) Diethyl Ether	3.68	74	22574	19.668	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43036	20.213	ug/l	98
10) Methyl Iodide	4.26	142	63674	19.763	ug/l	98
11) Tert butyl alcohol	5.19	59	17234	119.012	ug/l	99
12) 1,1-Dichloroethene	4.03	96	43660	19.773	ug/l	95
13) Acrolein	3.89	56	16208	87.648	ug/l	99
14) Allyl chloride	4.66	41	77451	20.020	ug/l	100
15) Acrylonitrile	5.37	53	49503	105.974	ug/l	100
16) Acetone	4.13	43	42365	108.597	ug/l	98
17) Carbon Disulfide	4.37	76	133379	19.701	ug/l	99
18) Methyl Acetate	4.67	43	23065	22.272	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	74289	20.940	ug/l	100
20) Methylene Chloride	4.91	84	51381	20.186	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	49970	19.937	ug/l	97
22) Diisopropyl ether	6.31	45	149124	19.726	ug/l	98
23) Vinyl Acetate	6.26	43	462895	100.726	ug/l	100
24) 1,1-Dichloroethane	6.21	63	91784	20.252	ug/l	99
25) 2-Butanone	7.17	43	65705	108.056	ug/l	97
26) 2,2-Dichloropropane	7.16	77	62353	20.757	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	55300	20.319	ug/l	100
28) Bromochloromethane	7.51	49	36849	20.221	ug/l	99
29) Tetrahydrofuran	7.53	42	42552	106.334	ug/l	99
30) Chloroform	7.67	83	91377	20.292	ug/l	97
31) Cyclohexane	7.95	56	89549	19.460	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	78615	20.772	ug/l	100
36) 1,1-Dichloropropene	8.08	75	76829	20.995	ug/l	99
37) Ethyl Acetate	7.26	43	31408	22.120	ug/l	98
38) Carbon Tetrachloride	8.07	117	70998	20.753	ug/l	97

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 QLast Update : Tue May 05 18:41:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	95252	20.563	ug/l	98
40) Benzene	8.32	78	202179	20.258	ug/l	99
41) Methacrylonitrile	7.48	41	19515	21.752	ug/l	95
42) 1,2-Dichloroethane	8.40	62	64554	21.236	ug/l	100
43) Isopropyl Acetate	8.43	43	63405	21.233	ug/l	99
44) Trichloroethene	9.09	130	53531	20.694	ug/l	98
45) 1,2-Dichloropropane	9.37	63	50099	20.320	ug/l	100
46) Dibromomethane	9.46	93	25467	20.768	ug/l	99
47) Bromodichloromethane	9.65	83	69087	20.673	ug/l	99
48) Methyl methacrylate	9.43	41	29106	21.101	ug/l	98
49) 1,4-Dioxane	9.45	88	6196	401.508	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	150105	107.259	ug/l	99
52) Toluene	10.39	92	131621	20.294	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	70427	20.646	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	81670	20.334	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	36491	21.044	ug/l	93
56) Ethyl methacrylate	10.65	69	49318	20.700	ug/l	97
57) 1,3-Dichloropropane	10.93	76	65425	20.985	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	121244	104.603	ug/l	99
59) 2-Hexanone	10.97	43	102931	108.701	ug/l	99
60) Dibromochloromethane	11.13	129	43532	20.874	ug/l	99
61) 1,2-Dibromoethane	11.24	107	34579	21.061	ug/l	99
64) Tetrachloroethene	10.86	164	43916	21.327	ug/l	96
65) Chlorobenzene	11.66	112	135994	20.474	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	48188	20.462	ug/l	100
67) Ethyl Benzene	11.73	91	257352	20.242	ug/l	99
68) m/p-Xylenes	11.84	106	191648	40.545	ug/l	100
69) o-Xylene	12.16	106	89919	20.244	ug/l	99
70) Styrene	12.18	104	155809	20.367	ug/l	99
71) Bromoform	12.35	173	24332	21.186	ug/l #	99
73) Isopropylbenzene	12.46	105	254497	20.610	ug/l	99
74) N-amyl acetate	12.27	43	61024	20.906	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	41946	21.714	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	56534	41.548	ug/l #	100
77) Bromobenzene	12.74	156	53089	20.287	ug/l	99
78) n-propylbenzene	12.80	91	305326	20.609	ug/l	100
79) 2-Chlorotoluene	12.89	91	171733	20.564	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	211660	20.349	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14286	20.767	ug/l	98
82) 4-Chlorotoluene	12.99	91	182702	20.643	ug/l	99
83) tert-Butylbenzene	13.21	119	183751	20.704	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	212025	20.376	ug/l	98
85) sec-Butylbenzene	13.38	105	262153	20.964	ug/l	100
86) p-Isopropyltoluene	13.50	119	233018	20.431	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	105792	20.295	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	105709	20.476	ug/l	97
89) n-Butylbenzene	13.82	91	233401	20.904	ug/l	100
90) Hexachloroethane	14.09	117	43534	20.713	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	94569	20.953	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7105	21.068	ug/l	97

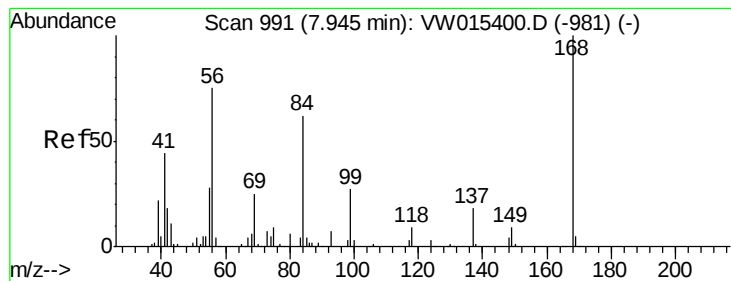
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051520\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	63868	21.054	ug/l	99
94) Hexachlorobutadiene	15.24	225	37848	21.055	ug/l	98
95) Naphthalene	15.36	128	113906	20.963	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	53823	20.650	ug/l	100

(#) = 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: VW015430.D

Acq: 15 May 2020 13:35

Instrument :

MSVOA_W

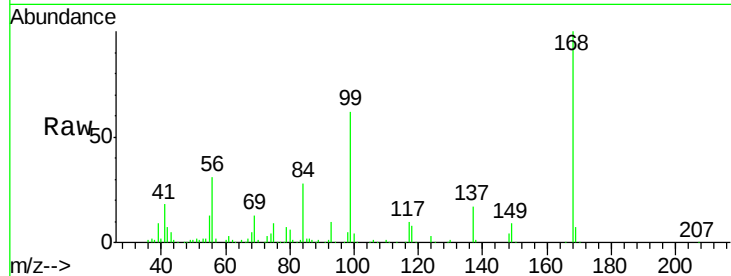
ClientSampled :

Tot Ion:168 Resp: 228445

Ion Ratio Lower Upper

168 100

99 62.1 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

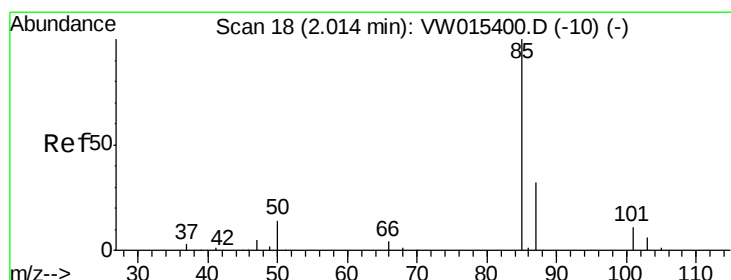
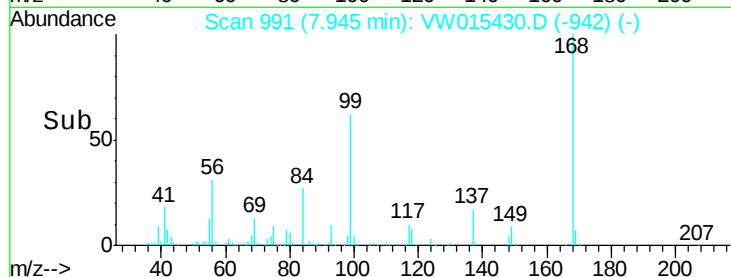
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.295 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015430.D

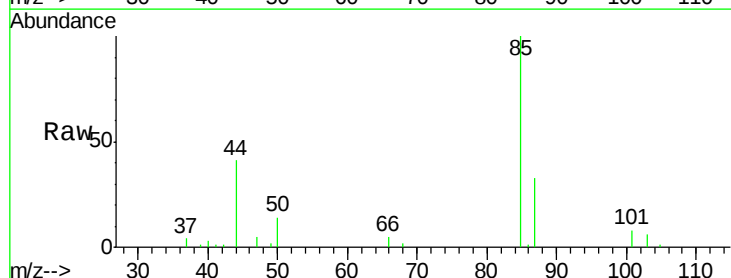
Acq: 15 May 2020 13:35

Tgt Ion: 85 Resp: 26805

Ion Ratio Lower Upper

85 100

87 33.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

10000

8000

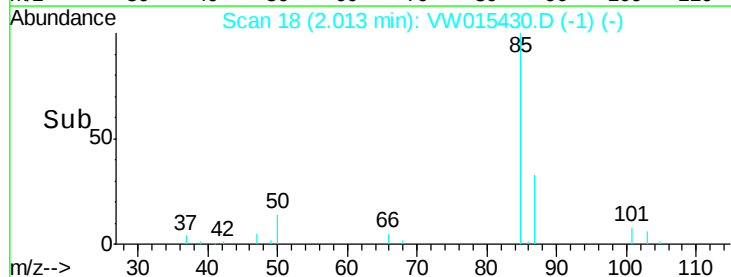
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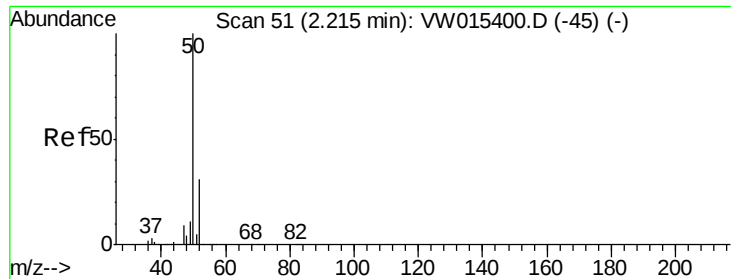
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 19.521 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :

MSVOA_W

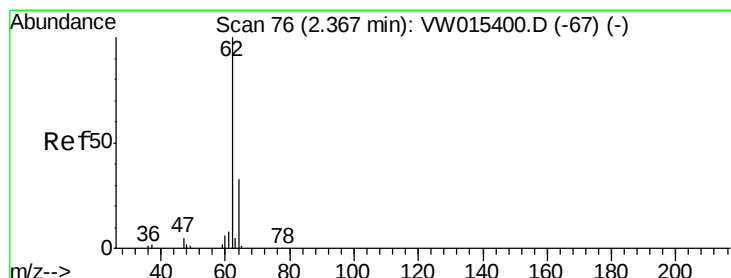
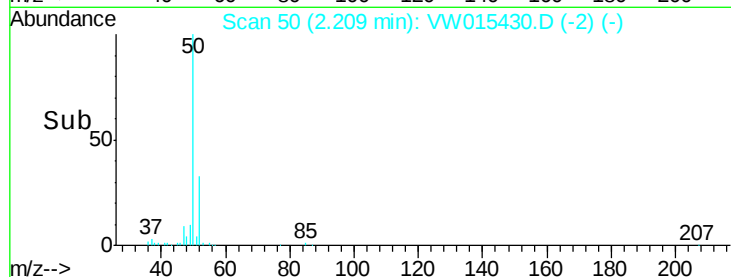
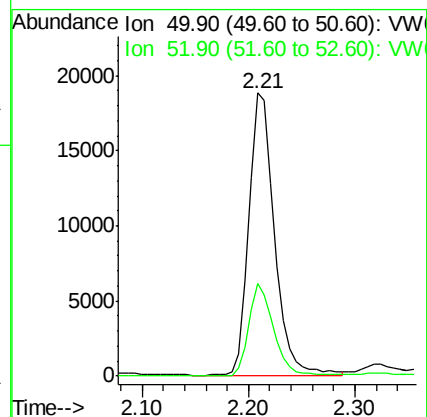
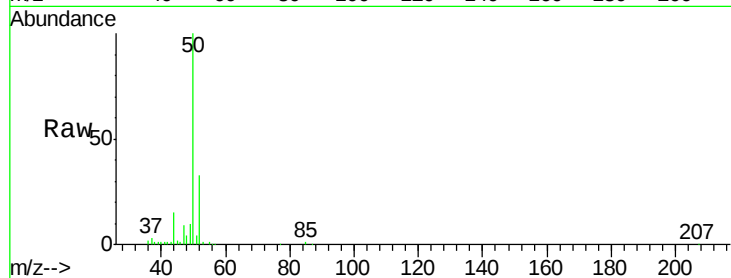
ClientSampleId :

Tot Ion: 50 Resp: 32278

Ion Ratio Lower Upper

50 100

52 32.7 25.0 37.6



#4

Vinyl Chloride

Concen: 19.783 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015430.D

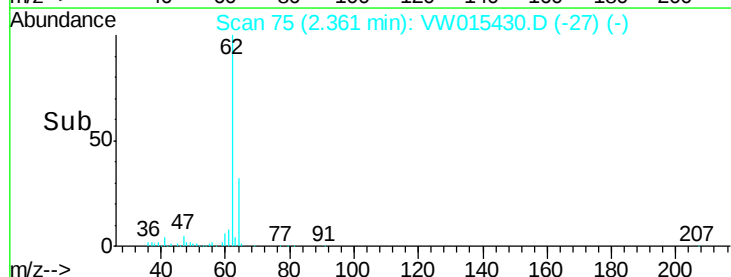
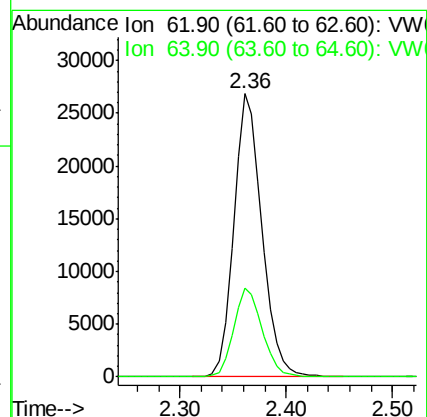
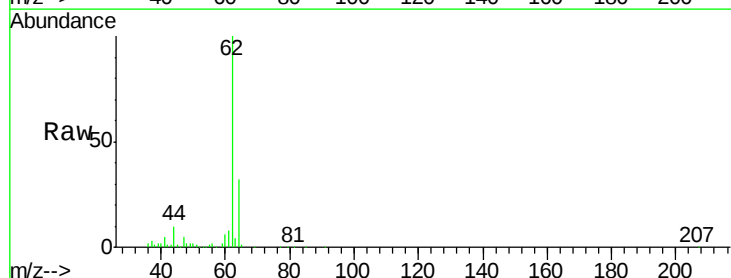
Acq: 15 May 2020 13:35

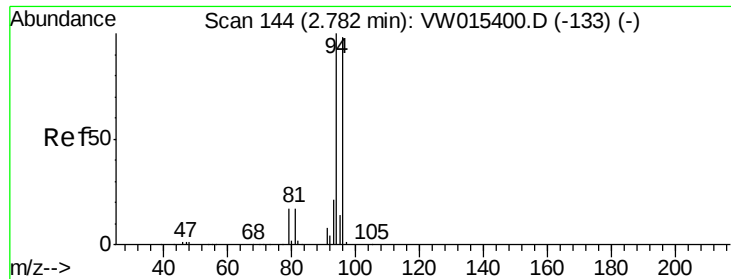
Tgt Ion: 62 Resp: 49537

Ion Ratio Lower Upper

62 100

64 31.5 26.4 39.6





#5

Bromomethane

Concen: 18.345 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :

MSVOA_W

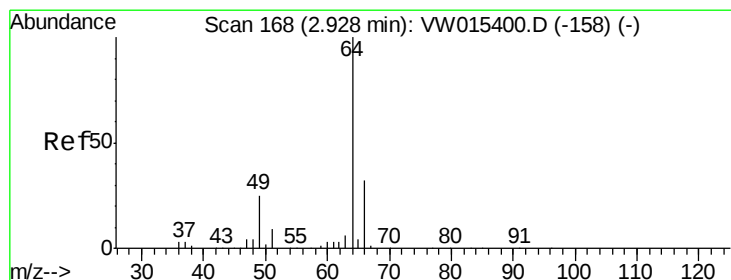
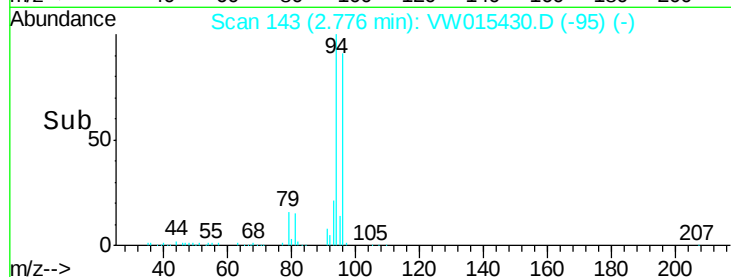
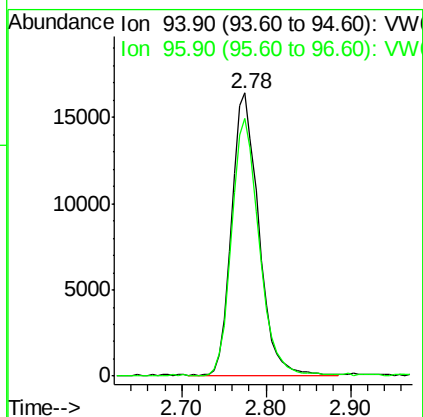
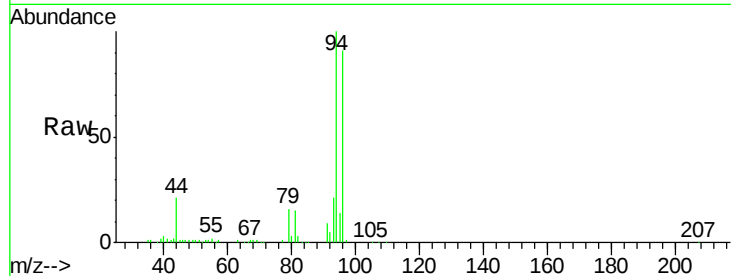
ClientSampleId :

Tot Ion: 94 Resp: 35989

Ion Ratio Lower Upper

94 100

96 90.9 78.8 118.2



#6

Chloroethane

Concen: 18.688 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015430.D

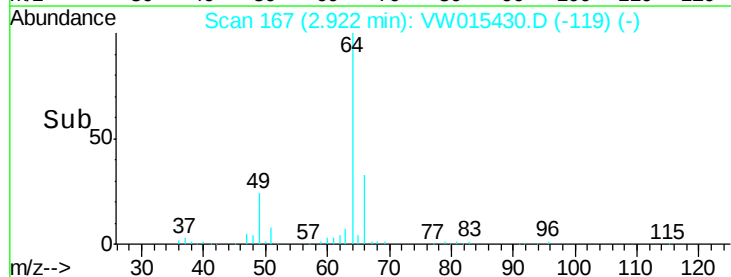
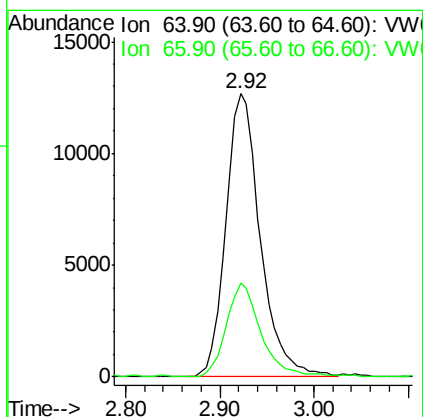
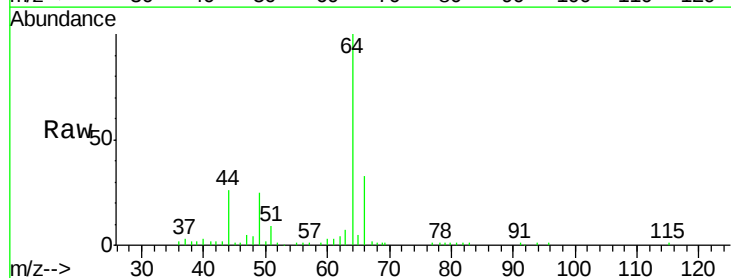
Acq: 15 May 2020 13:35

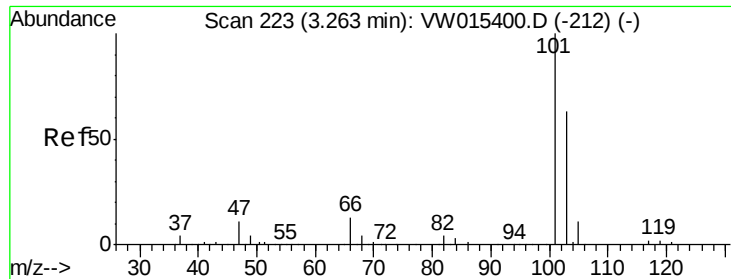
Tgt Ion: 64 Resp: 32247

Ion Ratio Lower Upper

64 100

66 33.0 25.4 38.0



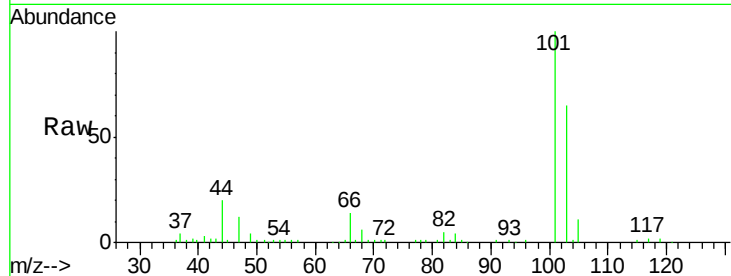


#7

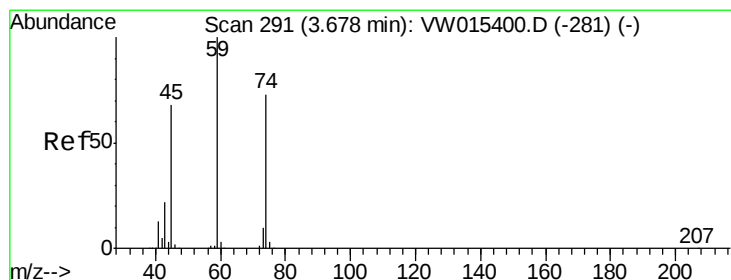
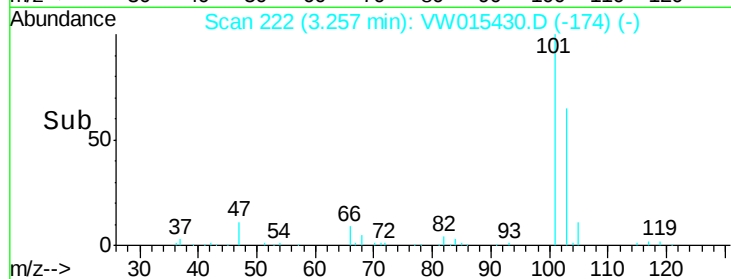
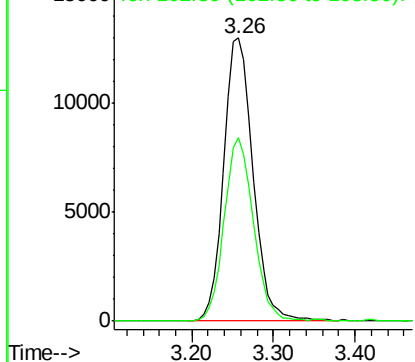
Trichlorofluoromethane
Concen: 17.576 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:101 Resp: 32283
Ion Ratio Lower Upper
101 100
103 64.6 50.2 75.4



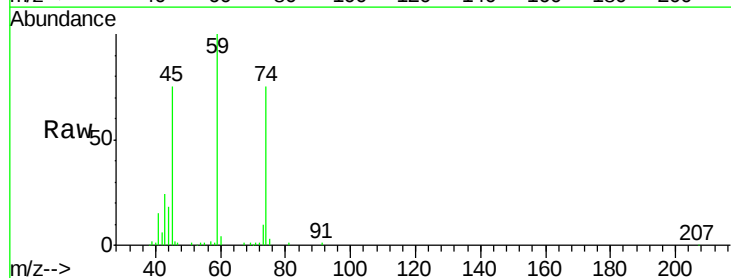
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



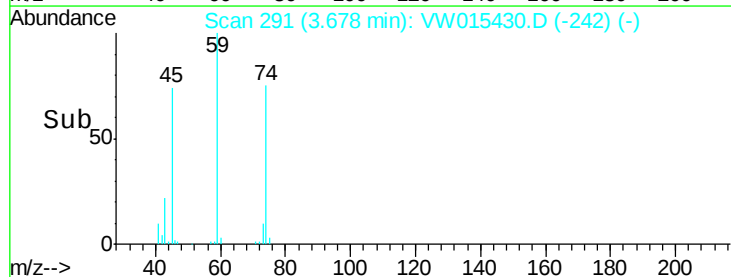
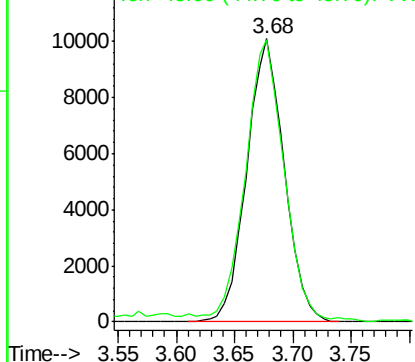
#8

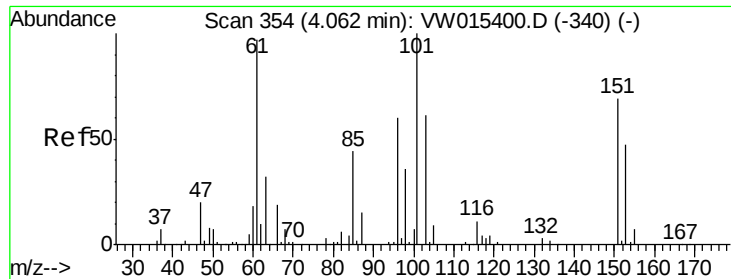
Diethyl Ether
Concen: 19.668 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

Tgt Ion: 74 Resp: 22574
Ion Ratio Lower Upper
74 100
45 103.7 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.213 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :

MSVOA_W

ClientSampled :

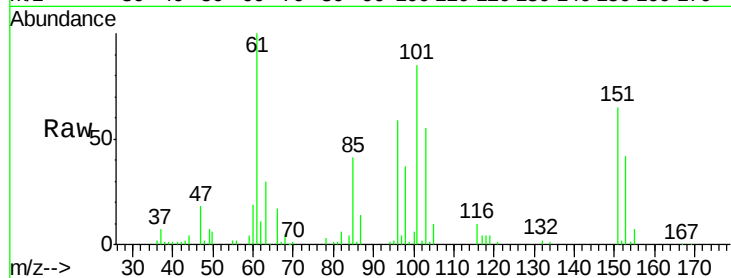
Tot Ion:101 Resp: 43036

Ion Ratio Lower Upper

101 100

85 45.6 37.3 55.9

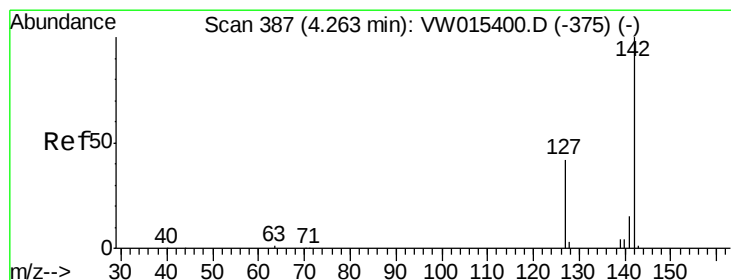
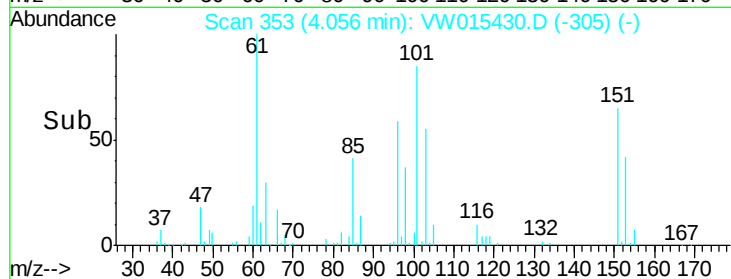
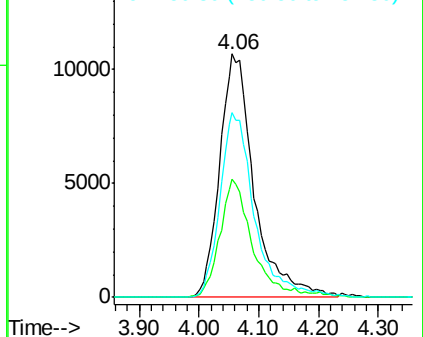
151 75.6 58.9 88.3



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: 19.763 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

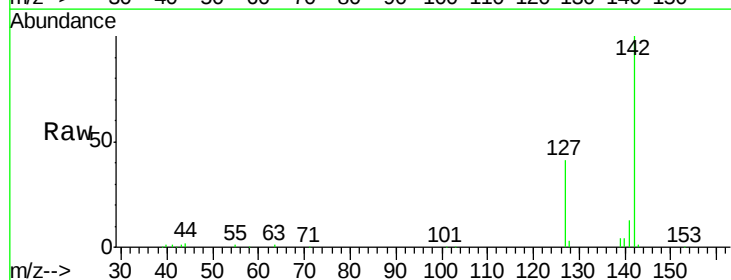
Tgt Ion:142 Resp: 63674

Ion Ratio Lower Upper

142 100

127 45.6 35.4 53.2

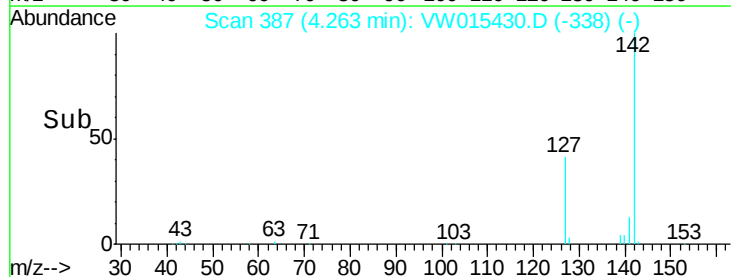
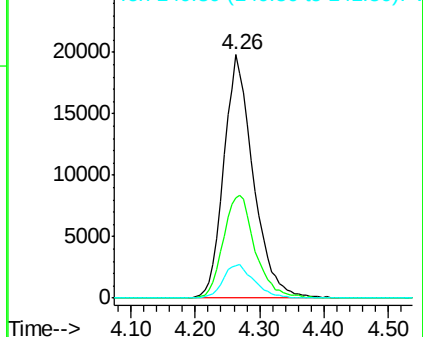
141 14.6 11.7 17.5

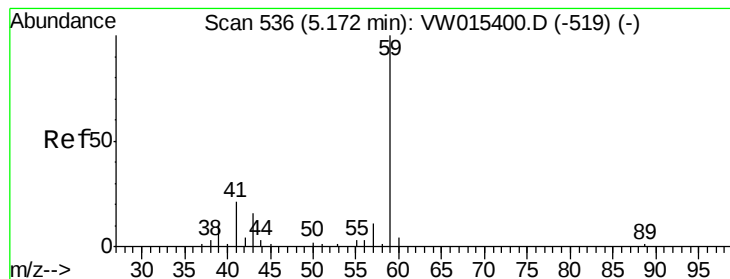


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



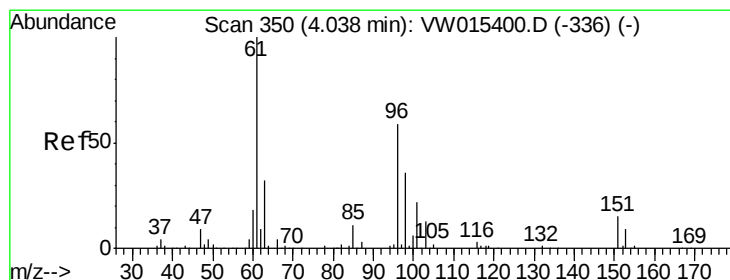
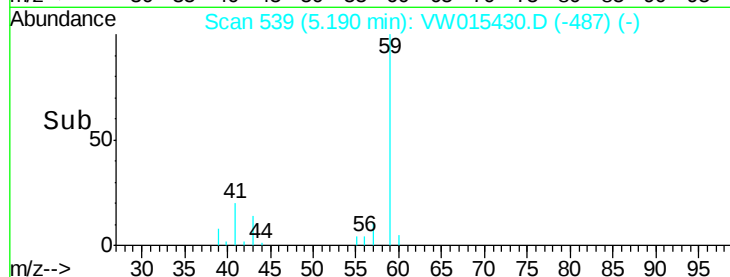
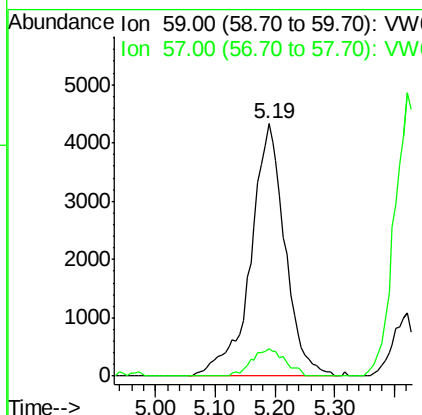
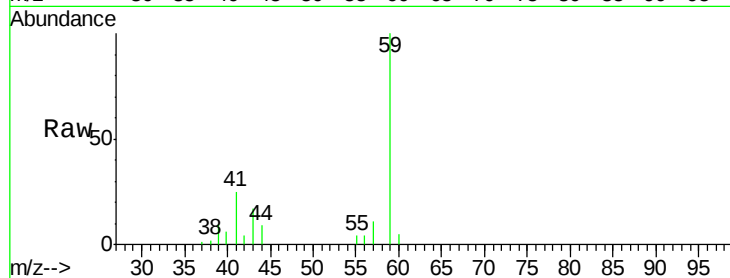


#11

Tert butyl alcohol
 Concen: 119.012 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW015430.D
 Acq: 15 May 2020 13:35

Instrument :
 MSVOA_W
 ClientSampled :

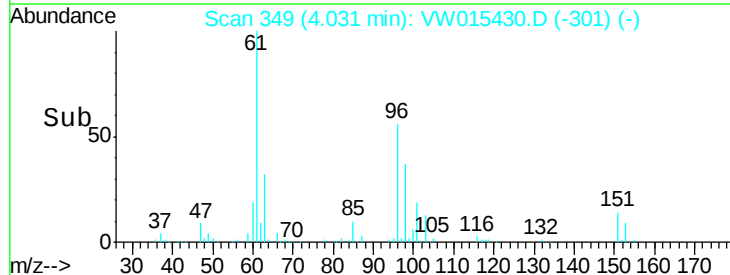
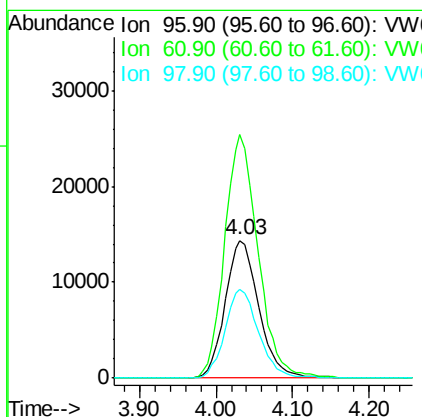
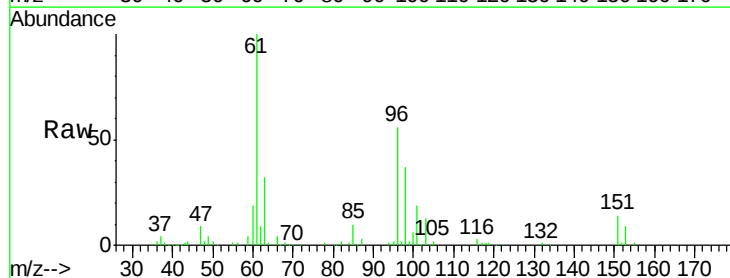
Tot Ion: 59 Resp: 17234
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.6 13.0

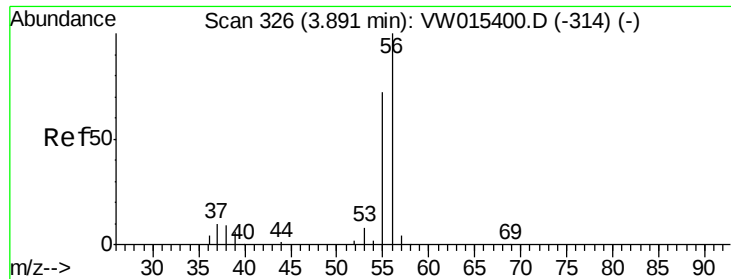


#12

1,1-Dichloroethene
 Concen: 19.773 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW015430.D
 Acq: 15 May 2020 13:35

Tgt Ion: 96 Resp: 43660
 Ion Ratio Lower Upper
 96 100
 61 177.0 135.8 203.8
 98 64.7 48.6 72.8

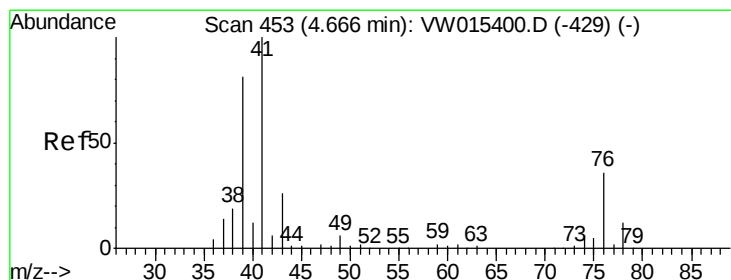
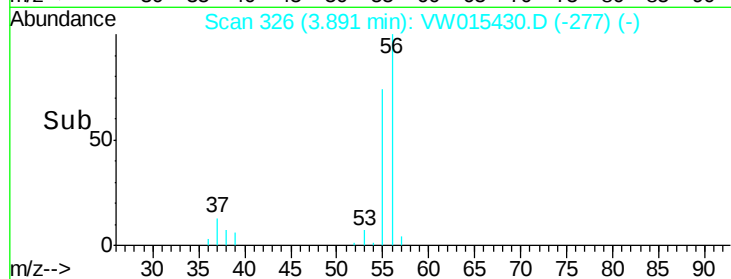
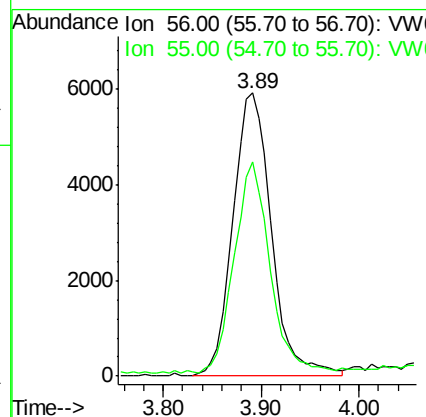
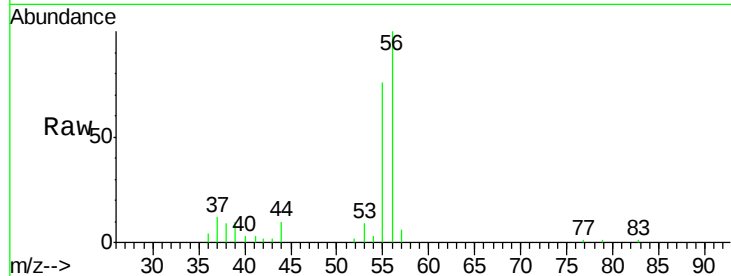




#13
Acrolein
Concen: 87.648 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

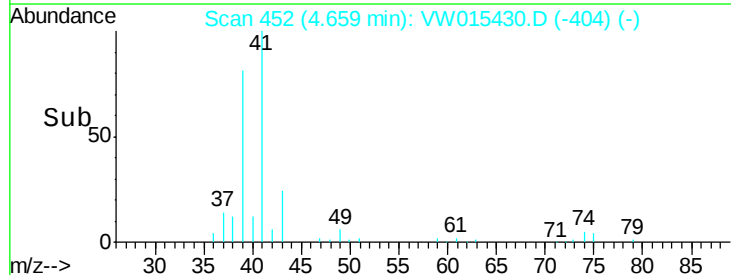
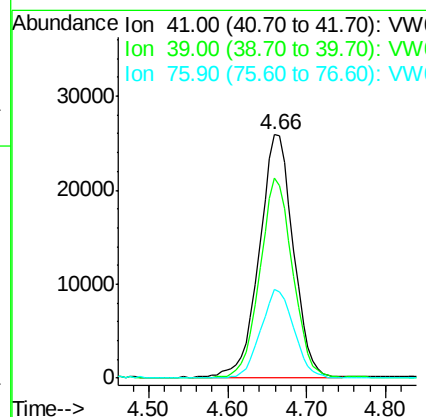
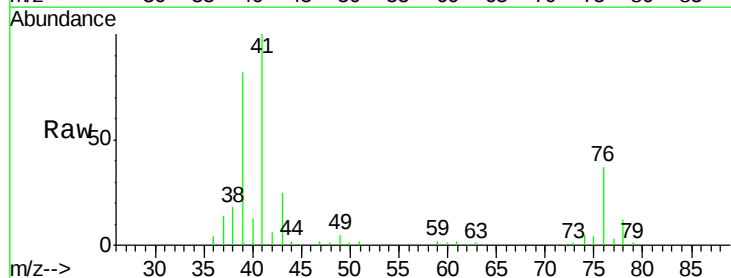
Instrument :
MSVOA_W
ClientSampleId :

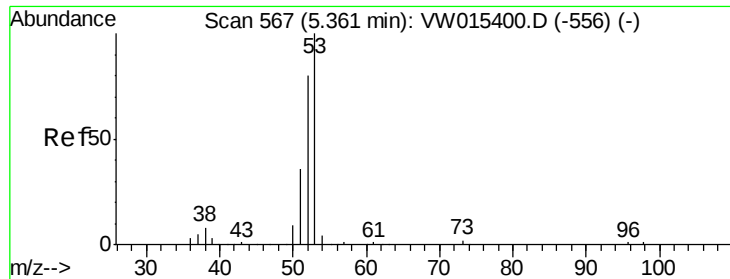
Tot Ion: 56 Resp: 16208
Ion Ratio Lower Upper
56 100
55 70.1 56.4 84.6



#14
Allyl chloride
Concen: 20.020 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

Tgt Ion: 41 Resp: 77451
Ion Ratio Lower Upper
41 100
39 79.8 63.6 95.4
76 35.6 28.4 42.6





#15

Acrylonitrile

Concen: 105.974 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

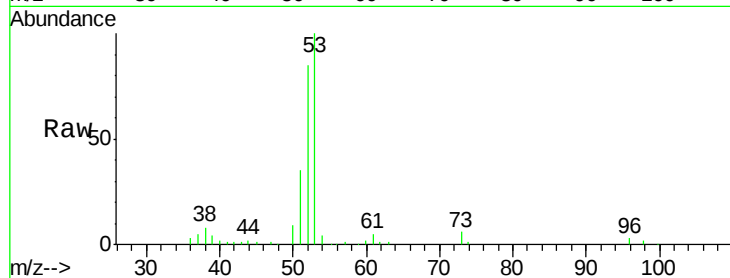
Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 53 Resp: 49503

Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.6	99.8
51	37.9	30.2	45.2

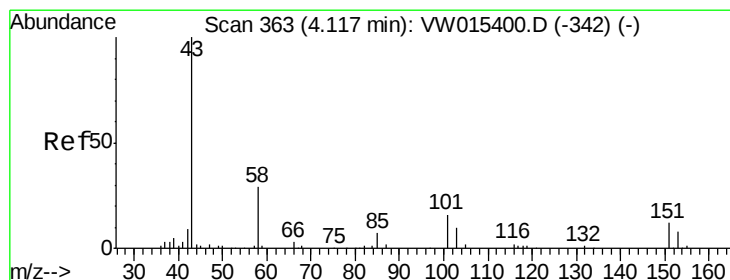
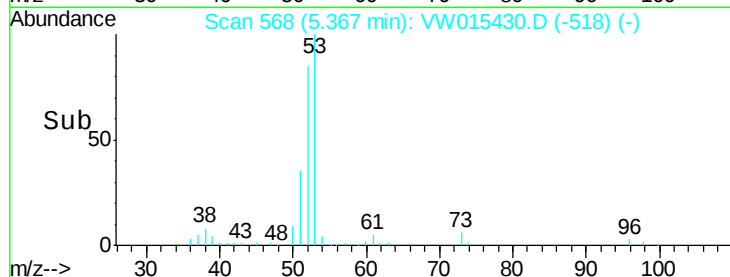
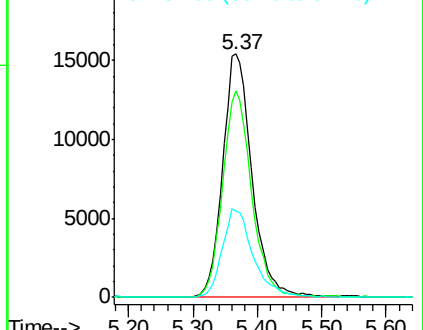


Abundance

Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 108.597 ug/l

RT: 4.13 min Scan# 365

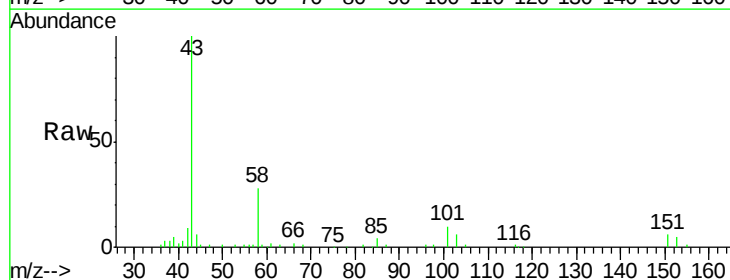
Delta R.T. 0.01 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Tgt Ion: 43 Resp: 42365

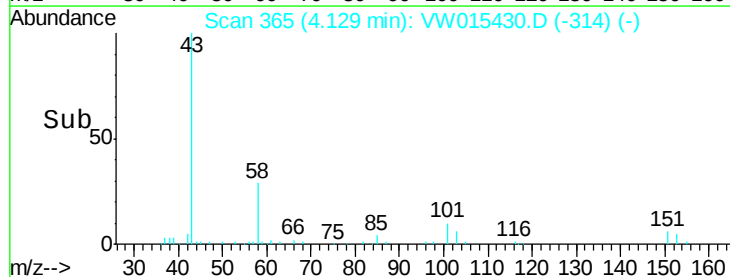
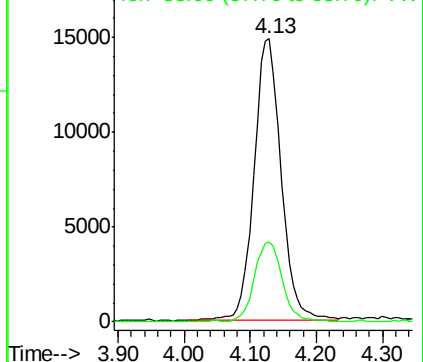
Ion	Ratio	Lower	Upper
43	100		
58	28.3	23.4	35.0

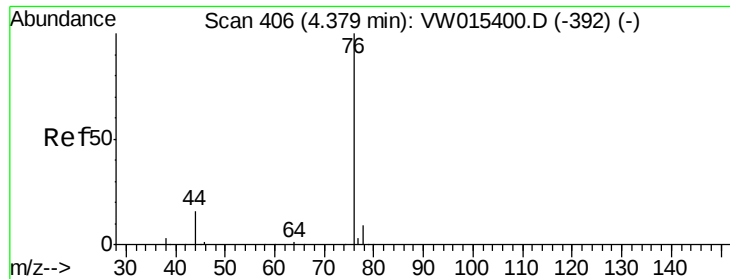


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

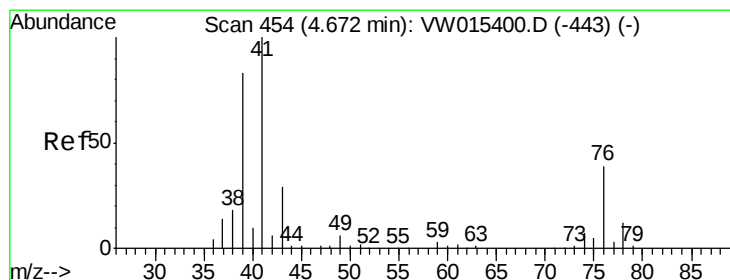
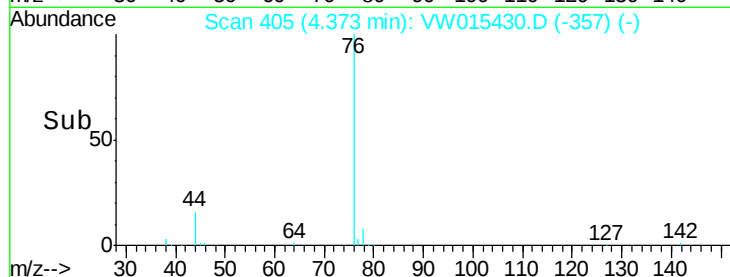
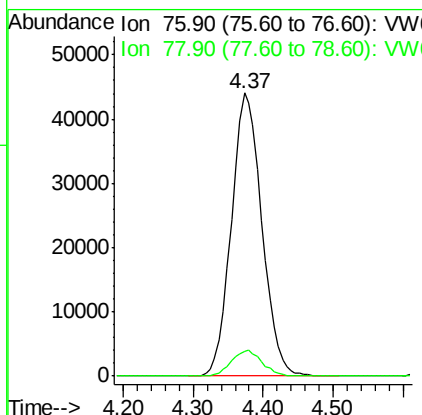
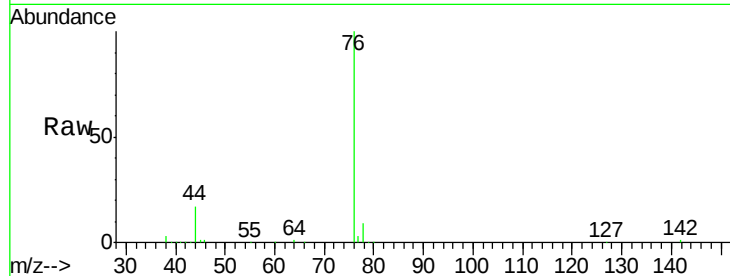




#17
Carbon Disulfide
Concen: 19.701 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

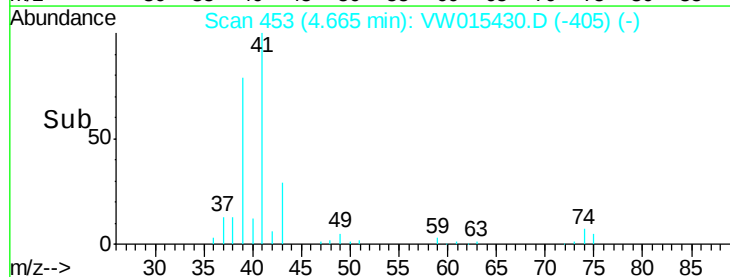
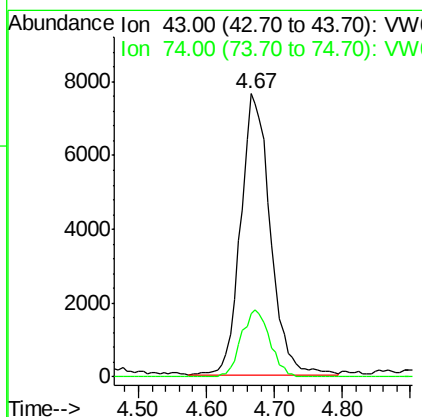
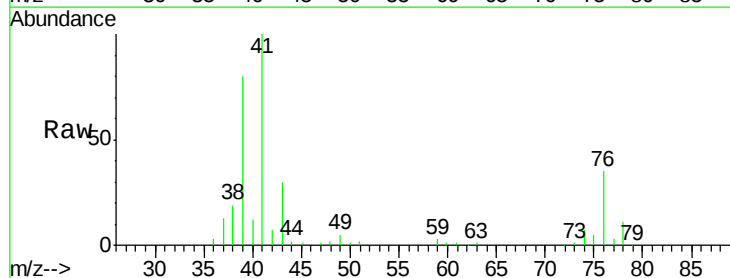
Instrument :
MSVOA_W
ClientSampleId :

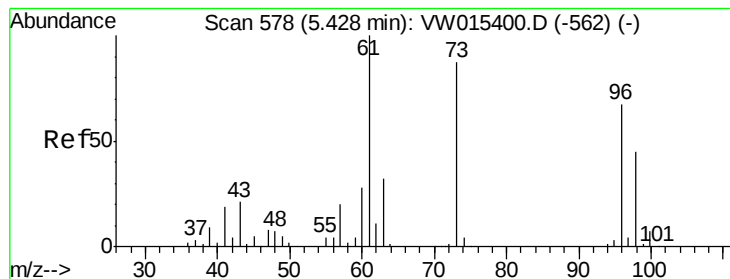
Tot Ion: 76 Resp: 133379
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#18
Methyl Acetate
Concen: 22.272 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

Tgt Ion: 43 Resp: 23065
Ion Ratio Lower Upper
43 100
74 23.0 18.7 28.1



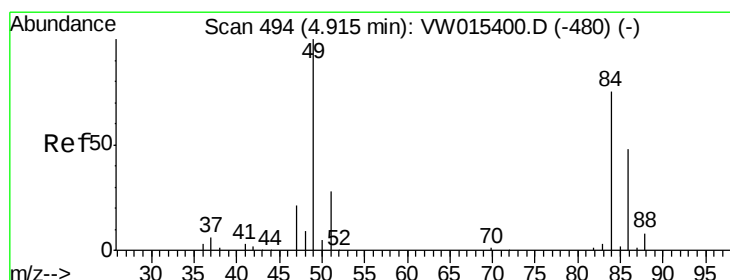
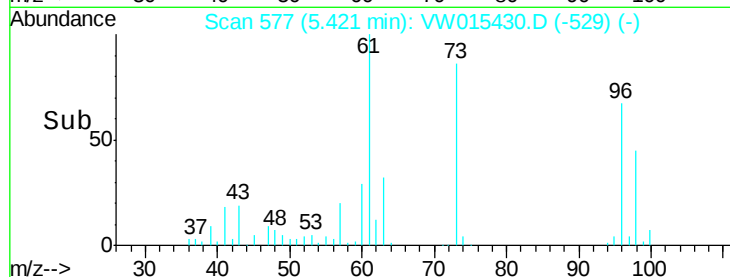
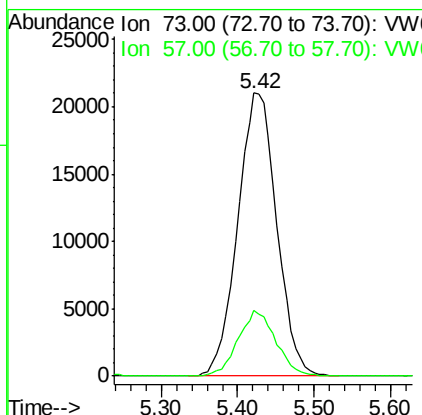
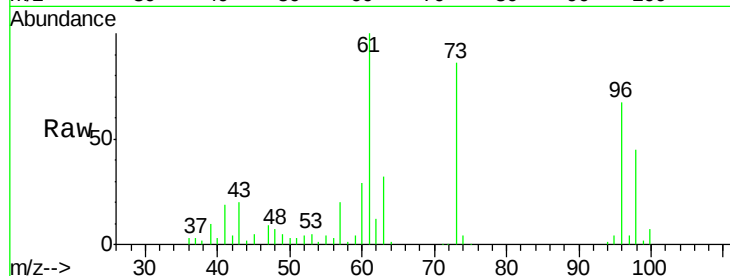


#19

Methyl tert-butyl Ether
 Concen: 20.940 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW015430.D
 Acq: 15 May 2020 13:35

Instrument :
 MSVOA_W
 ClientSampleId :

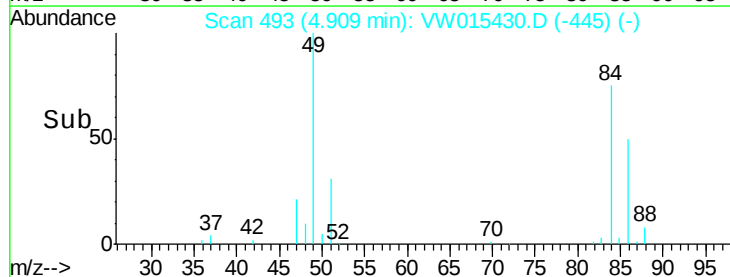
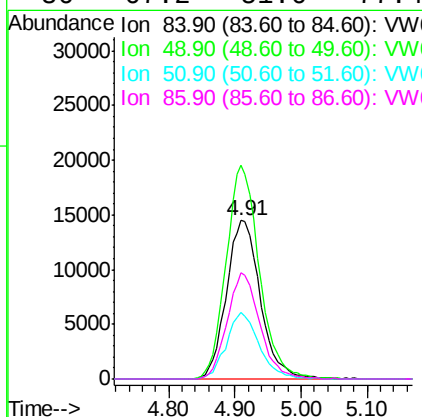
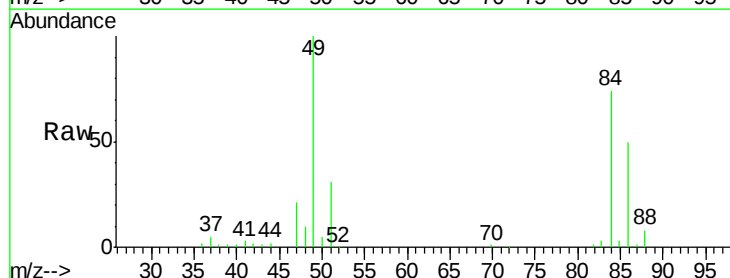
Tot Ion: 73 Resp: 74289
 Ion Ratio Lower Upper
 73 100
 57 23.1 18.5 27.7

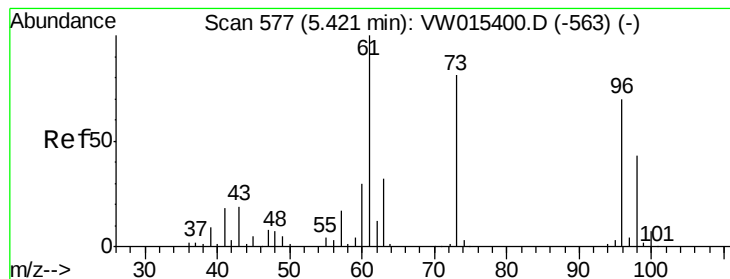


#20

Methylene Chloride
 Concen: 20.186 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW015430.D
 Acq: 15 May 2020 13:35

Tgt Ion: 84 Resp: 51381
 Ion Ratio Lower Upper
 84 100
 49 134.6 106.4 159.6
 51 41.7 30.2 45.2
 86 67.2 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 19.937 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

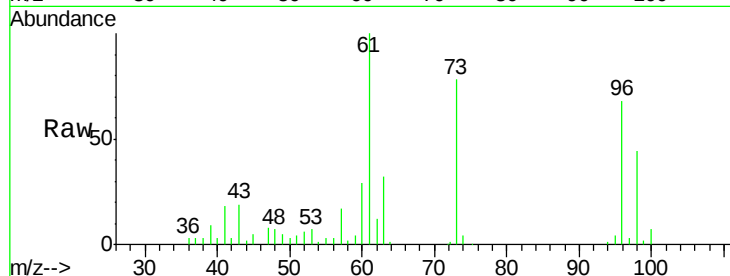
Tot Ion: 96 Resp: 49970

Ion Ratio Lower Upper

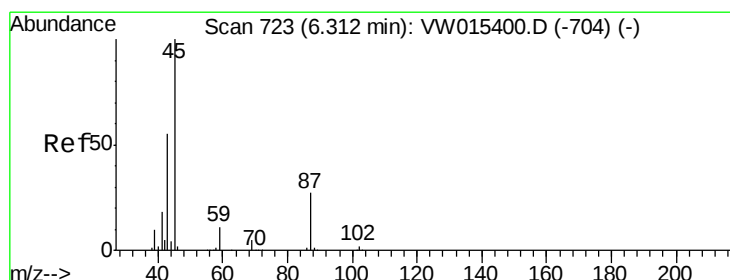
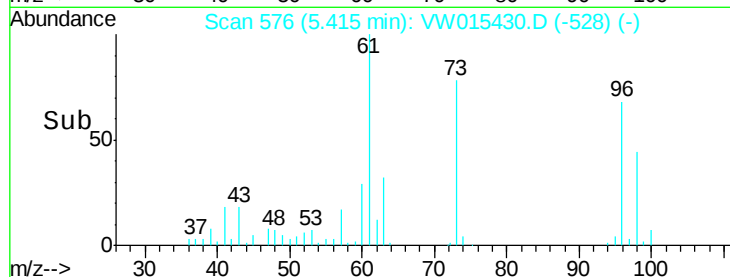
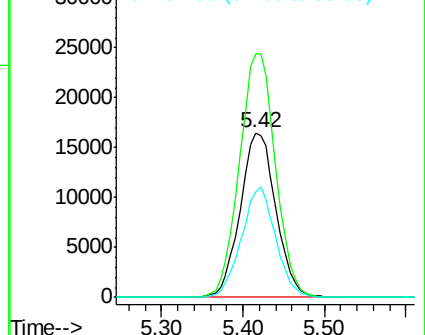
96 100

61 147.5 114.9 172.3

98 64.2 49.4 74.0



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



#22

Diisopropyl ether

Concen: 19.726 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Tgt Ion: 45 Resp: 149124

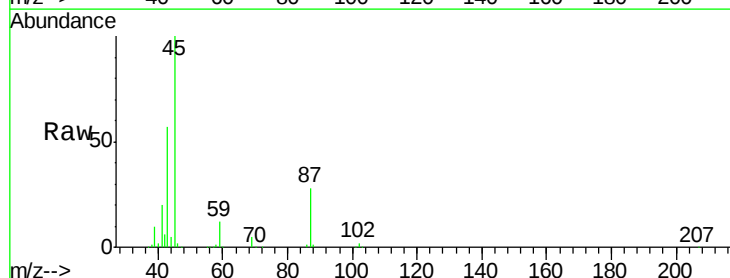
Ion Ratio Lower Upper

45 100

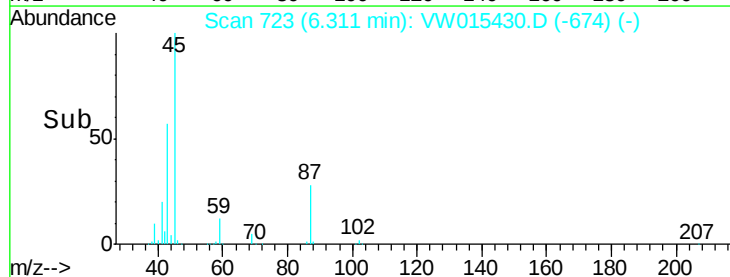
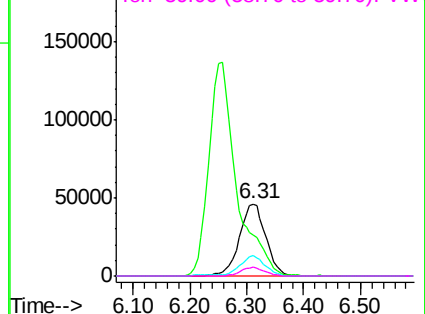
43 56.8 44.2 66.4

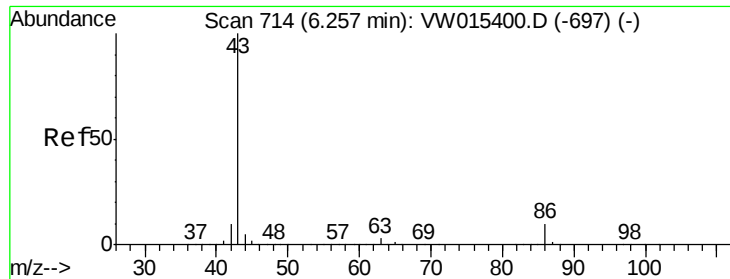
87 27.7 21.6 32.4

59 11.9 9.0 13.6



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





#23

Vinyl Acetate

Concen: 100.726 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :

MSVOA_W

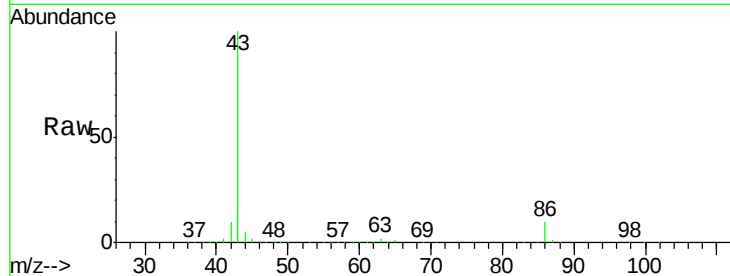
ClientSampled :

Tot Ion: 43 Resp: 462895

Ion Ratio Lower Upper

43 100

86 9.9 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

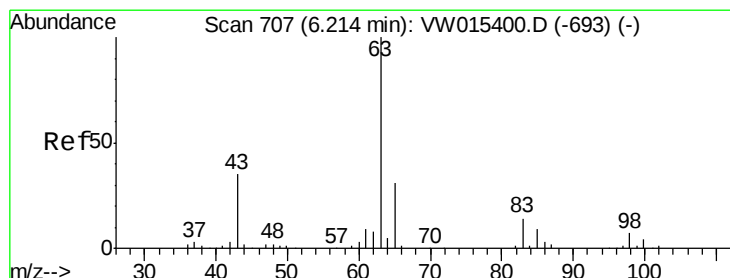
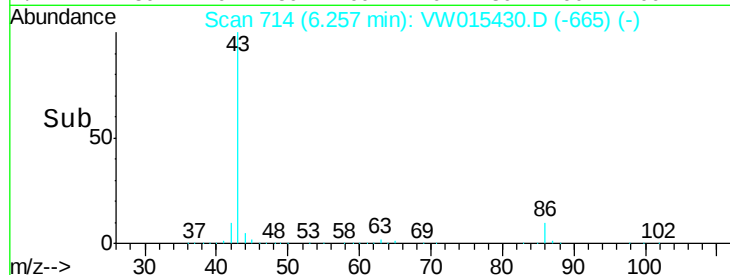
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.252 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

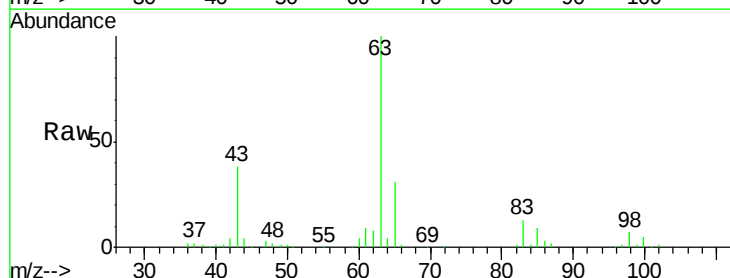
Tgt Ion: 63 Resp: 91784

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

100 4.5 2.1 6.5



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

40000

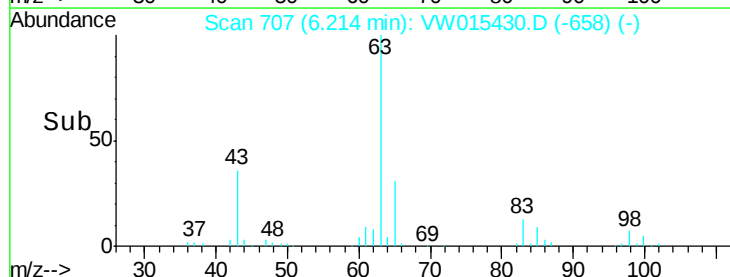
30000

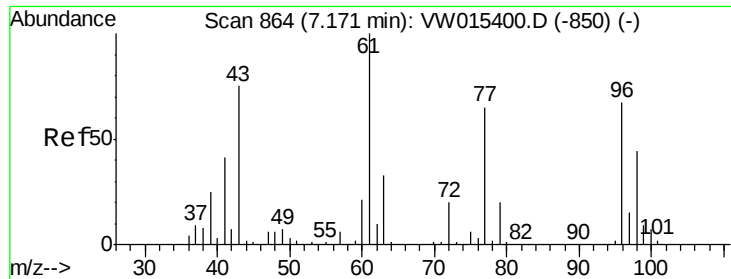
20000

10000

0

Time-->

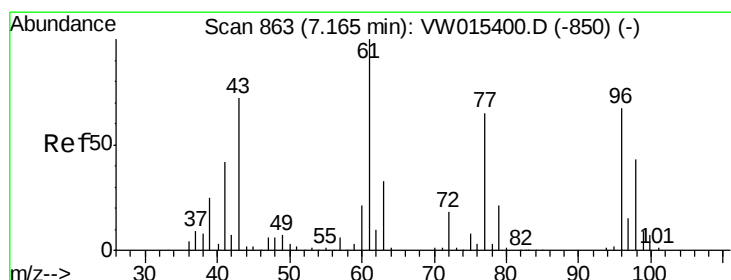
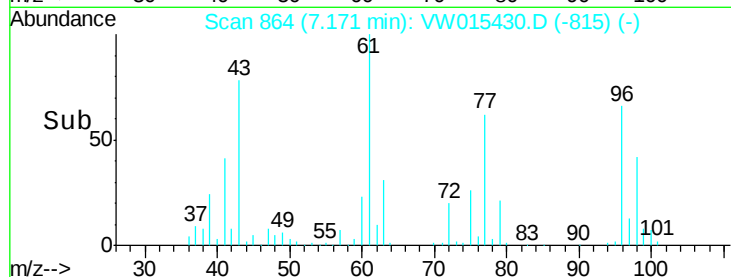
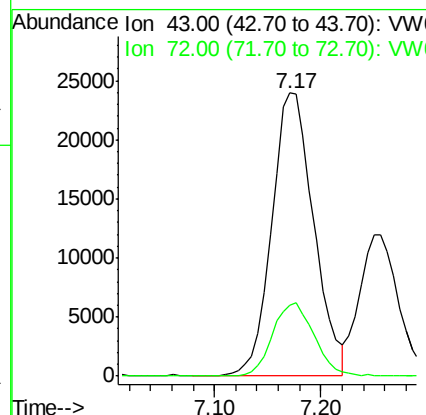
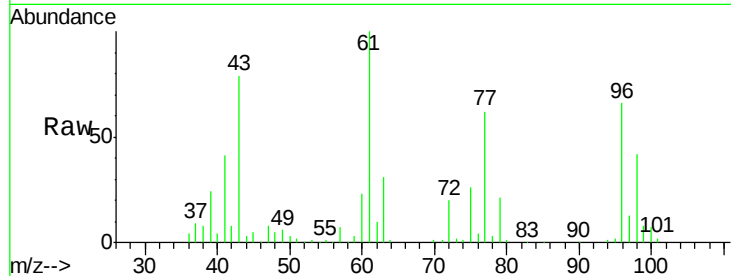




#25
2-Butanone
Concen: 108.056 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

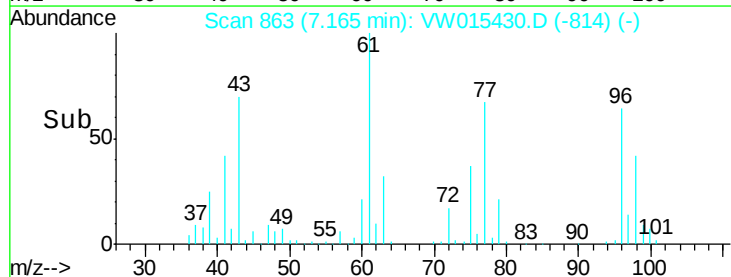
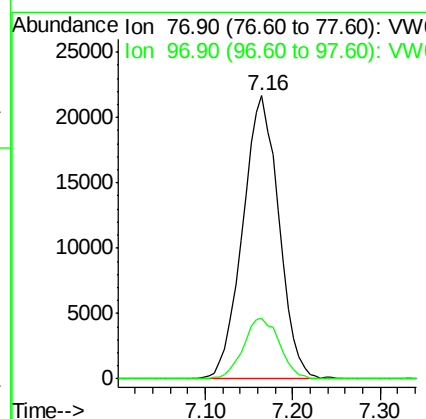
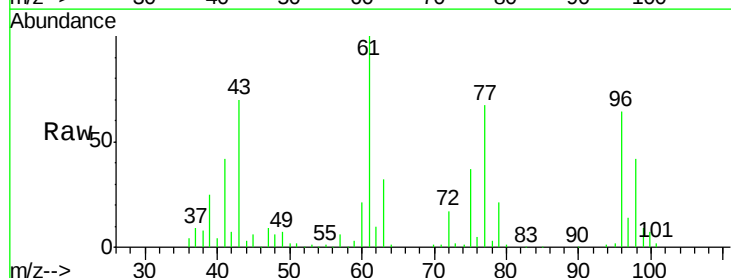
Instrument :
MSVOA_W
ClientSampled :

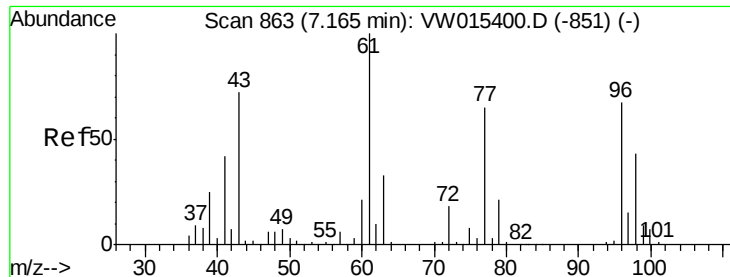
Tot Ion: 43 Resp: 65705
Ion Ratio Lower Upper
43 100
72 25.0 21.4 32.0



#26
2,2-Dichloropropane
Concen: 20.757 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

Tgt Ion: 77 Resp: 62353
Ion Ratio Lower Upper
77 100
97 21.5 11.1 33.1



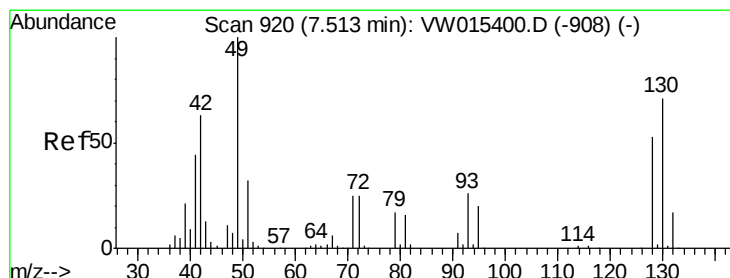
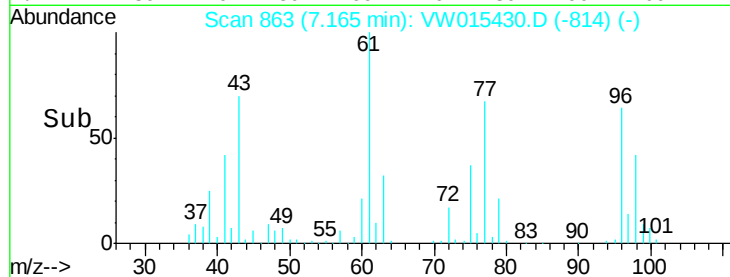
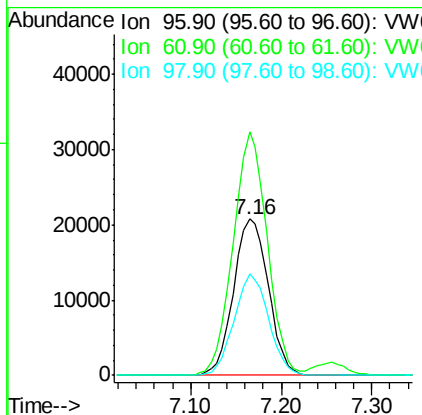
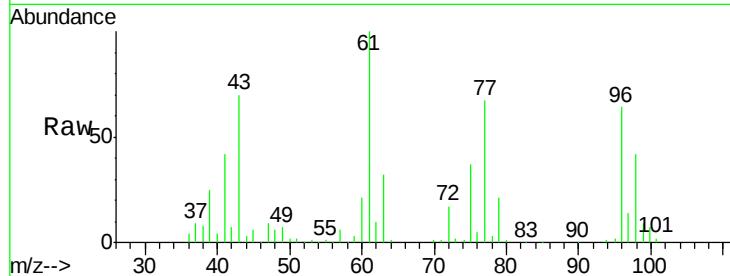


#27

cis-1,2-Dichloroethene
 Concen: 20.319 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW015430.D
 Acq: 15 May 2020 13:35

Instrument :
 MSVOA_W
 ClientSampled :

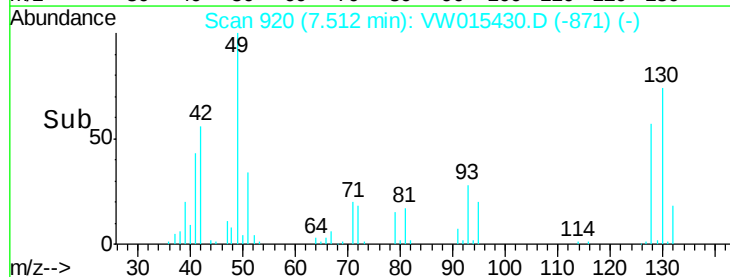
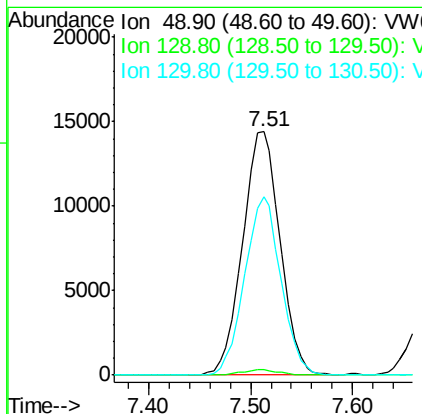
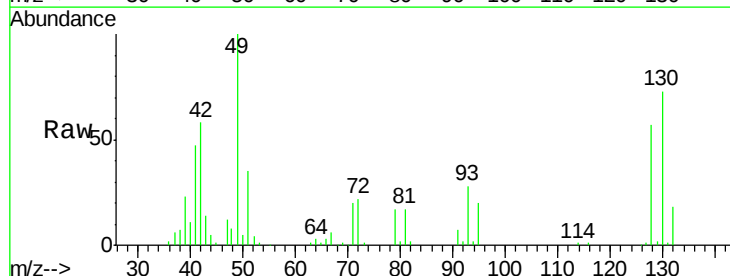
Tot Ion: 96 Resp: 55300
 Ion Ratio Lower Upper
 96 100
 61 152.6 0.0 304.6
 98 64.3 0.0 129.2

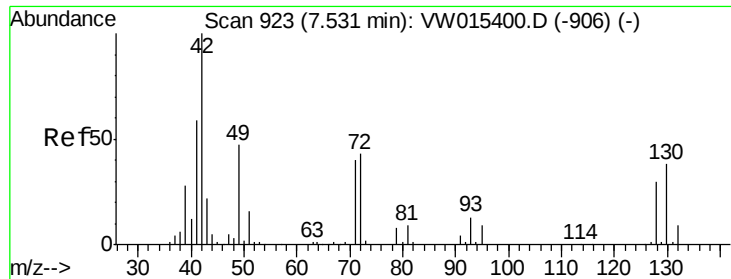


#28

Bromochloromethane
 Concen: 20.221 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW015430.D
 Acq: 15 May 2020 13:35

Tgt Ion: 49 Resp: 36849
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 3.0
 130 70.6 57.0 85.4

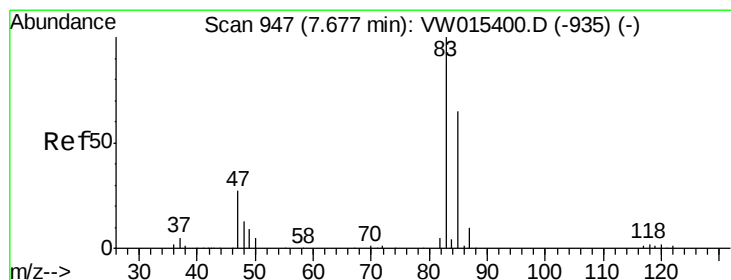
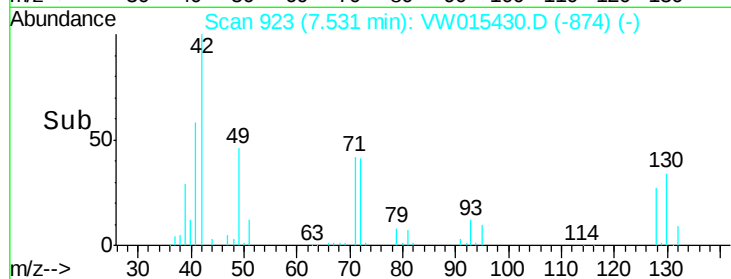
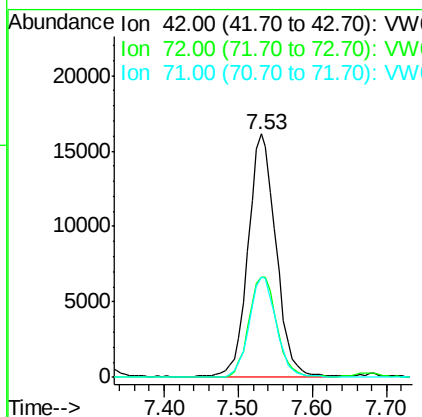
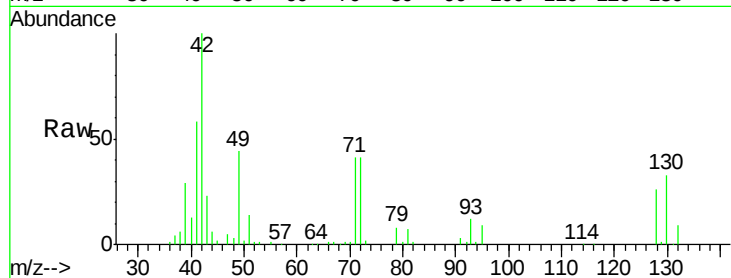




#29
Tetrahydrofuran
Concen: 106.334 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

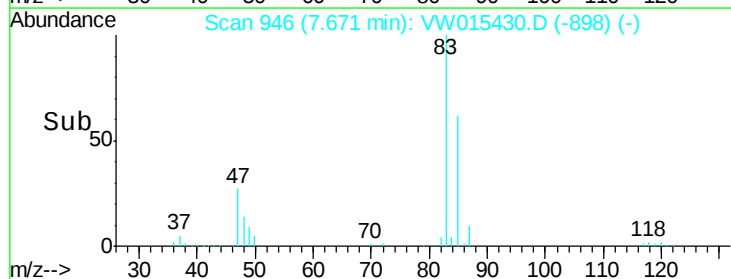
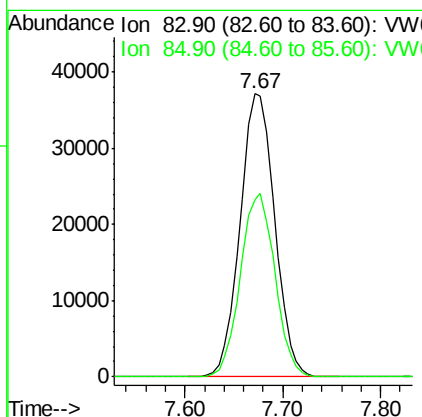
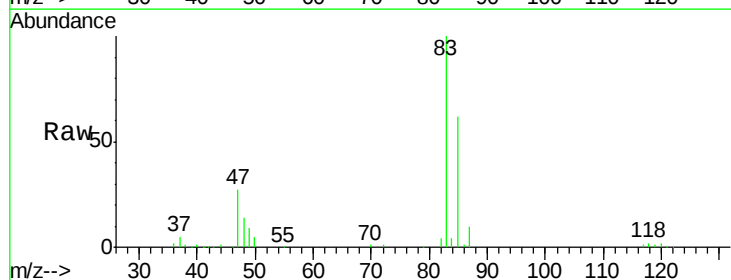
Instrument :
MSVOA_W
ClientSampled :

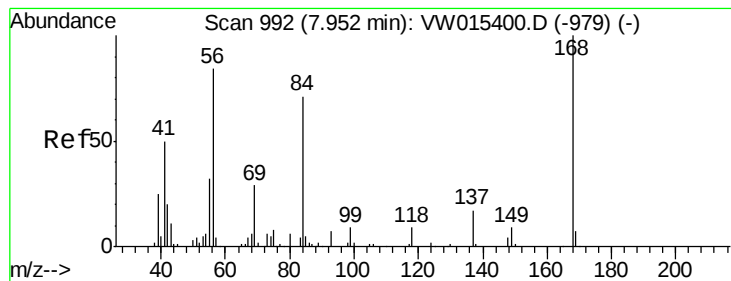
Tot Ion: 42 Resp: 42552
Ion Ratio Lower Upper
42 100
72 41.2 33.6 50.4
71 39.9 32.1 48.1



#30
Chloroform
Concen: 20.292 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

Tgt Ion: 83 Resp: 91377
Ion Ratio Lower Upper
83 100
85 62.5 51.8 77.6





#31

Cyclohexane

Concen: 19.460 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :
MSVOA_W
ClientSampled :

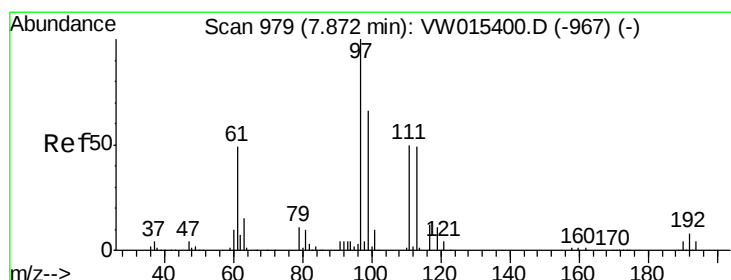
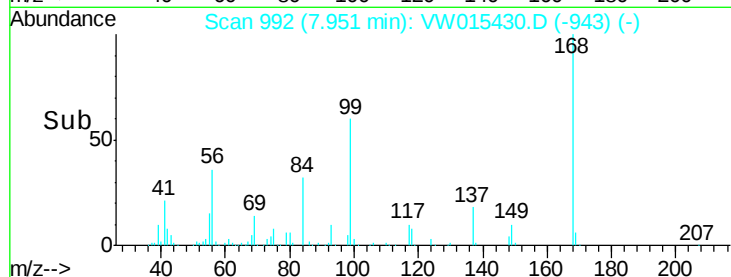
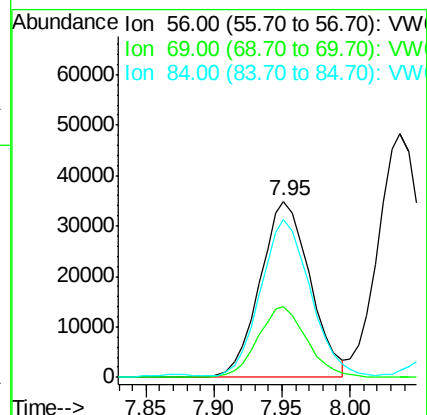
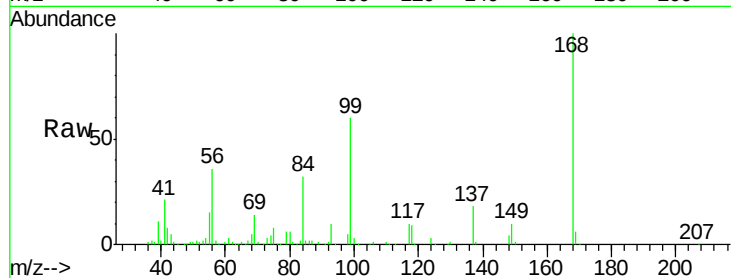
Tot Ion: 56 Resp: 89549

Ion Ratio Lower Upper

56 100

69 40.0 27.2 40.8

84 88.1 67.7 101.5



#32

1,1,1-Trichloroethane

Concen: 20.772 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

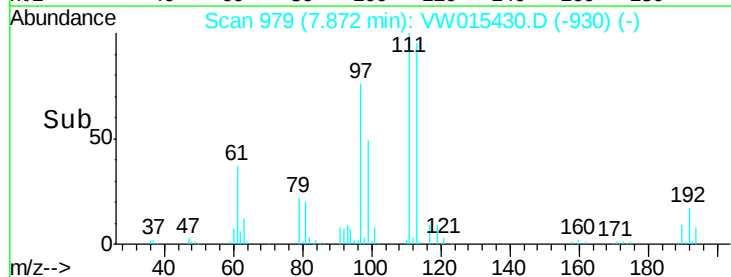
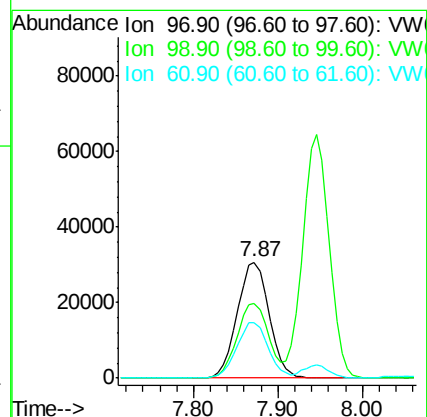
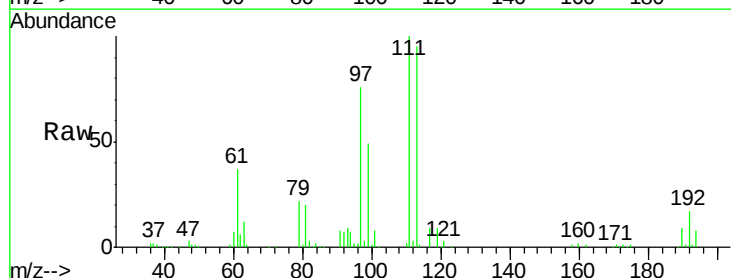
Tgt Ion: 97 Resp: 78615

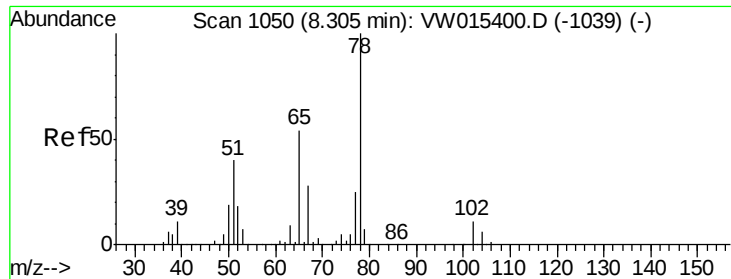
Ion Ratio Lower Upper

97 100

99 63.2 50.7 76.1

61 47.6 38.0 57.0





#33

1,2-Dichloroethane-d4

Concen: 52.099 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :

MSVOA_W

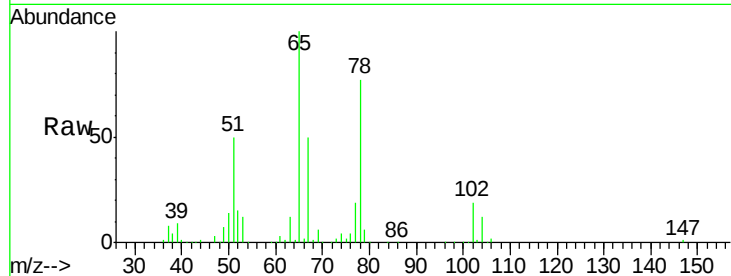
ClientSampleId :

Tot Ion: 65 Resp: 130830

Ion Ratio Lower Upper

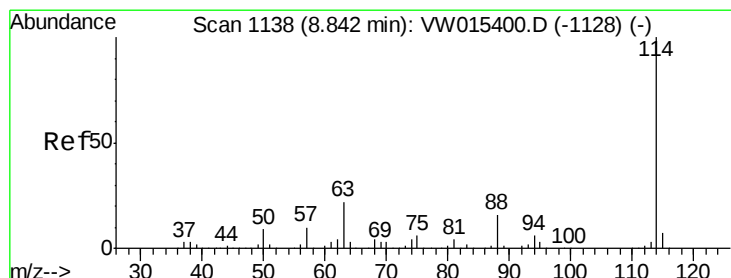
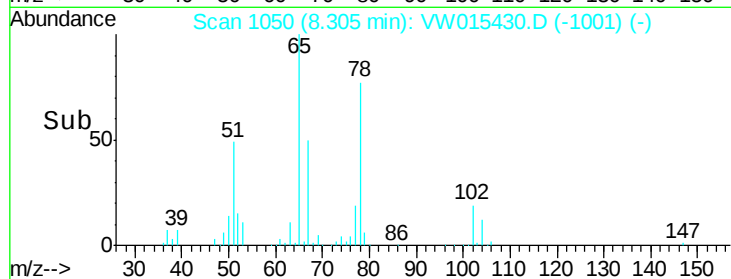
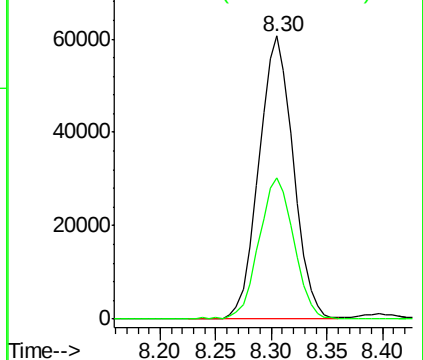
65 100

67 50.6 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

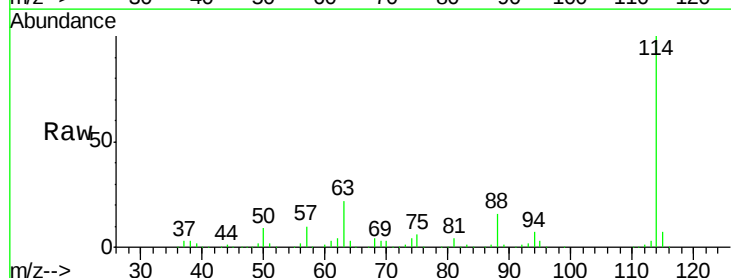
Tgt Ion: 114 Resp: 372459

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.4

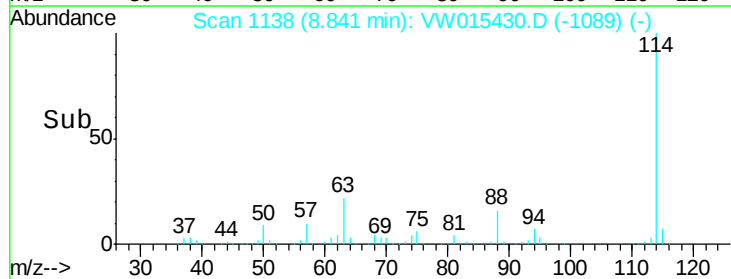
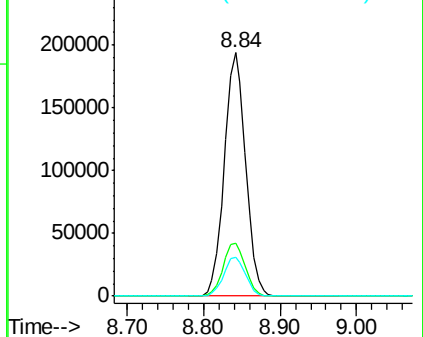
88 16.1 0.0 31.8

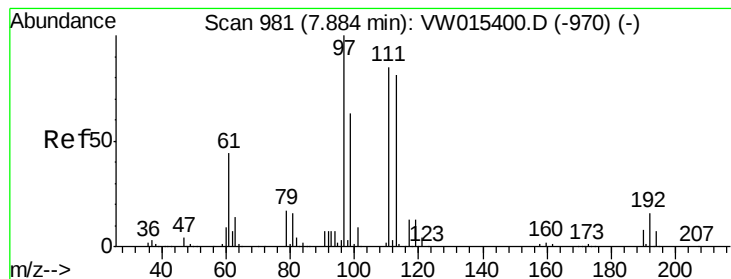


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 52.208 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

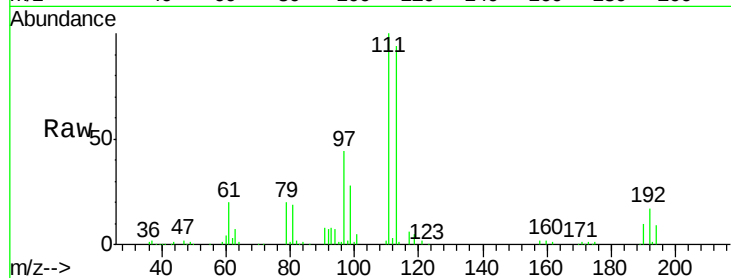
Tot Ion:113 Resp: 111608

Ion Ratio Lower Upper

113 100

111 104.3 82.9 124.3

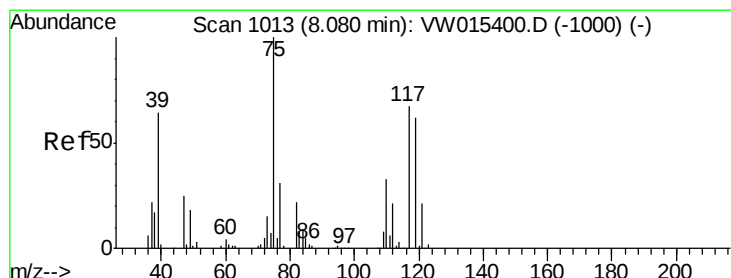
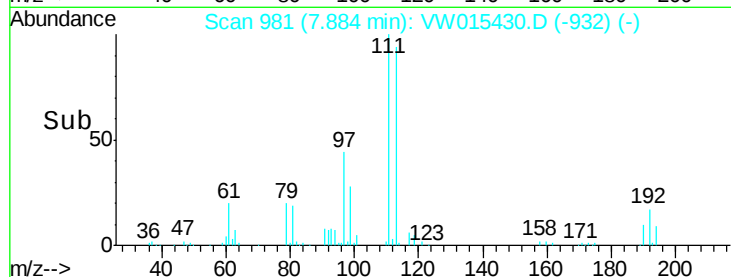
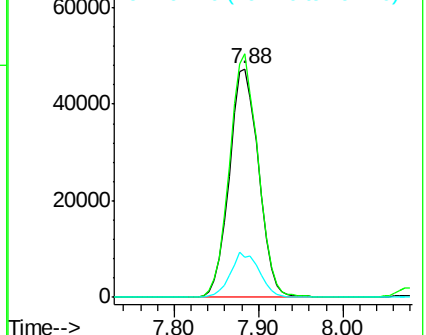
192 19.2 15.4 23.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.995 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

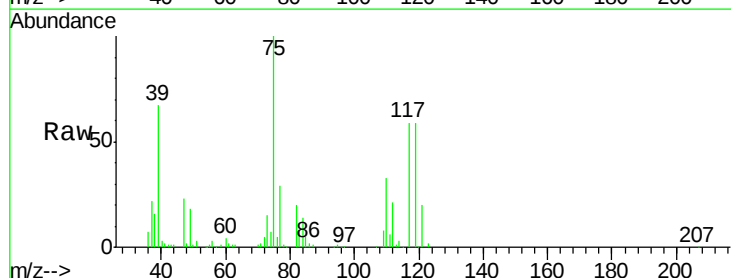
Tgt Ion: 75 Resp: 76829

Ion Ratio Lower Upper

75 100

110 32.8 16.6 49.8

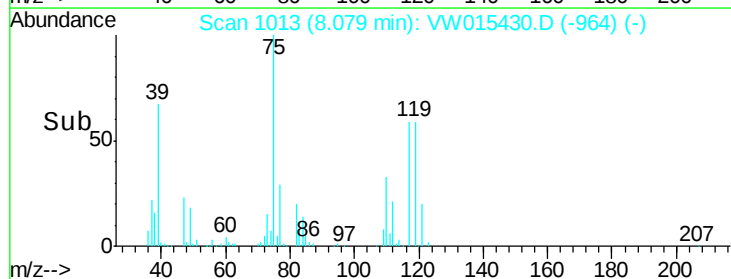
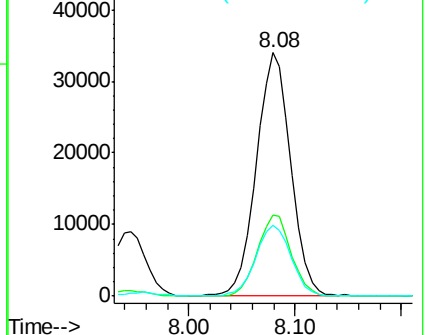
77 30.0 24.5 36.7

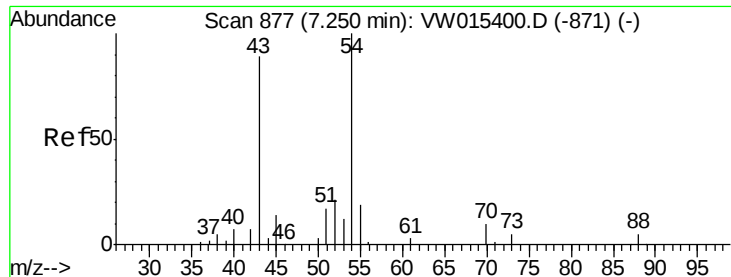


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

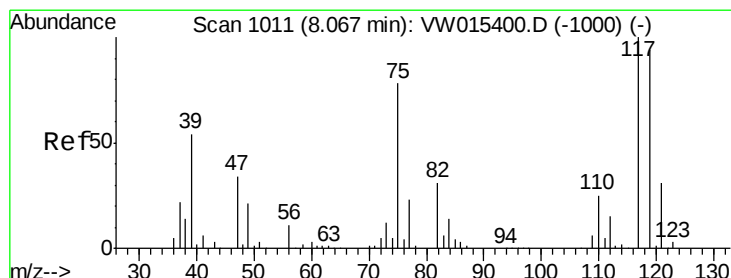
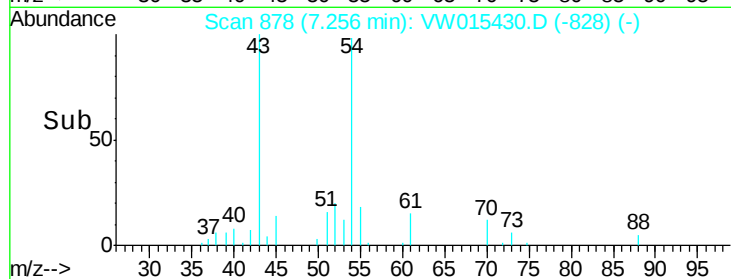
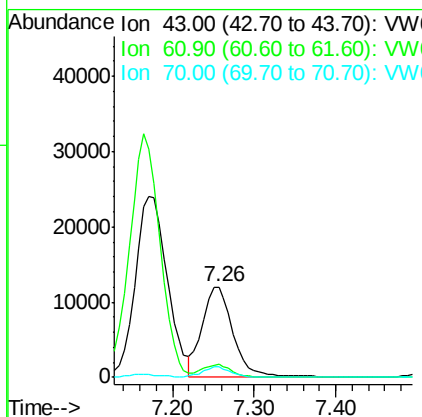
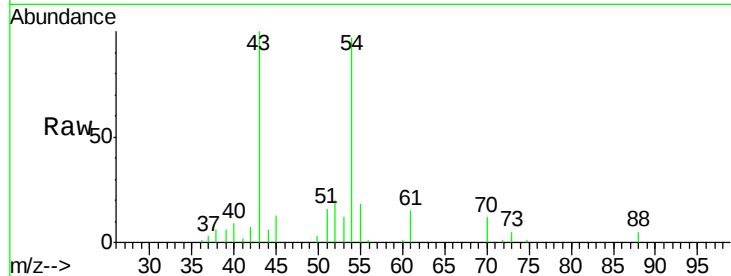




#37
Ethyl Acetate
Concen: 22.120 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

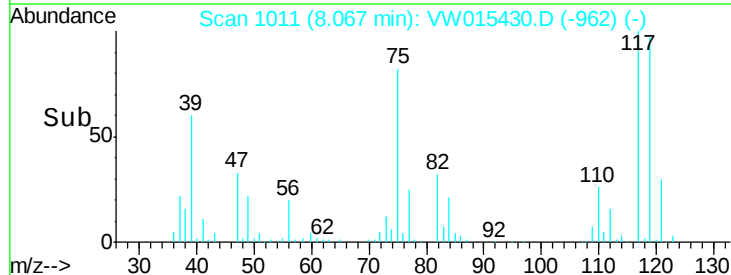
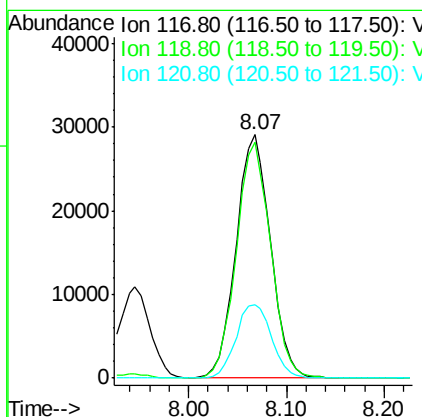
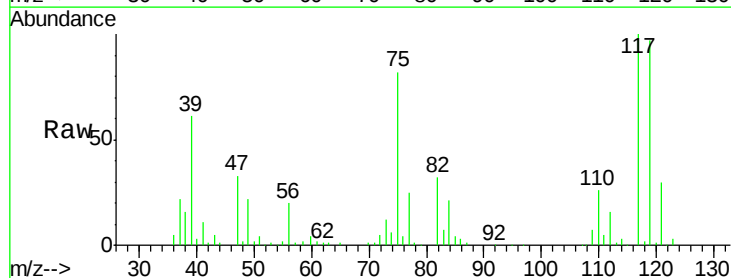
Instrument :
MSVOA_W
ClientSampled :

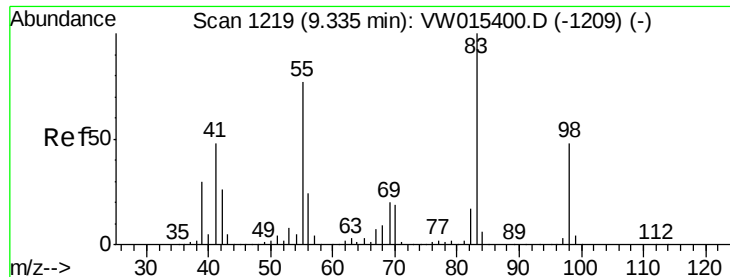
Tot Ion: 43 Resp: 31408
Ion Ratio Lower Upper
43 100
61 13.2 10.2 15.2
70 10.9 8.0 12.0



#38
Carbon Tetrachloride
Concen: 20.753 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

Tgt Ion: 117 Resp: 70998
Ion Ratio Lower Upper
117 100
119 97.0 75.4 113.0
121 30.2 24.8 37.2

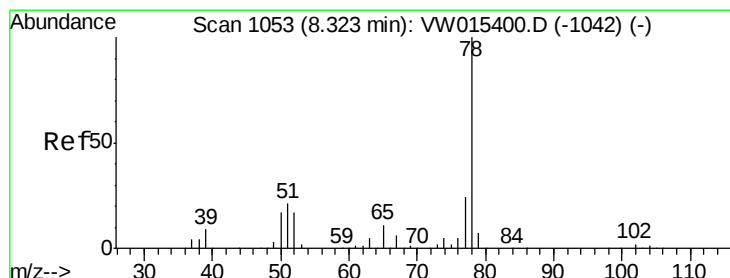
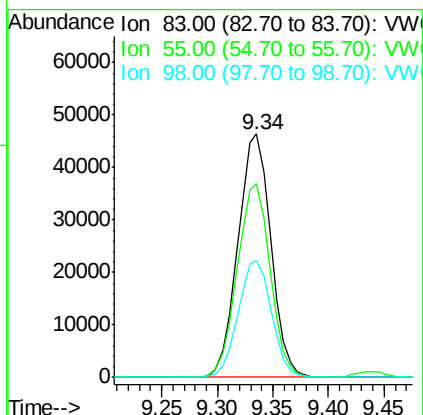
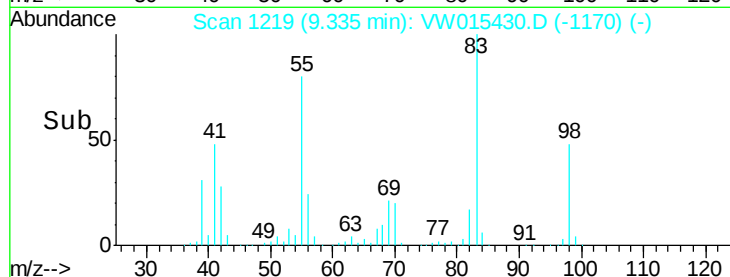
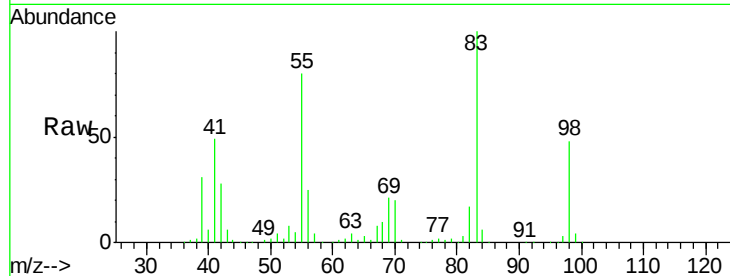




#39
Methvlcvclohexane
Concen: 20.563 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

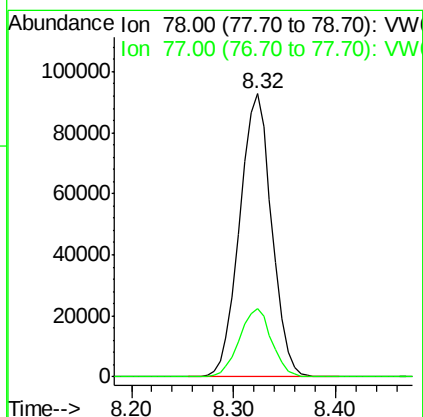
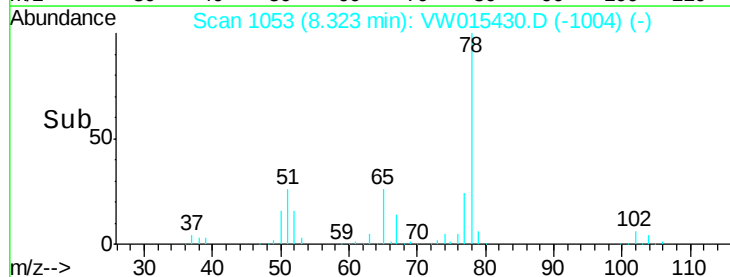
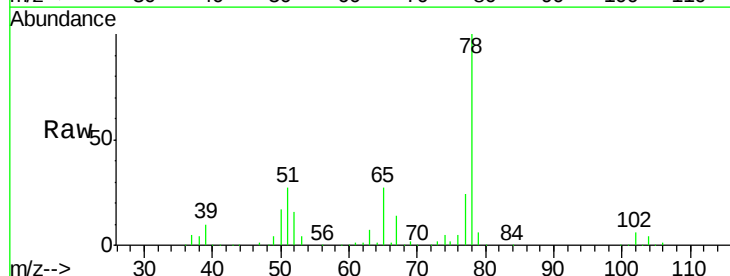
Instrument :
MSVOA_W
ClientSampleId :

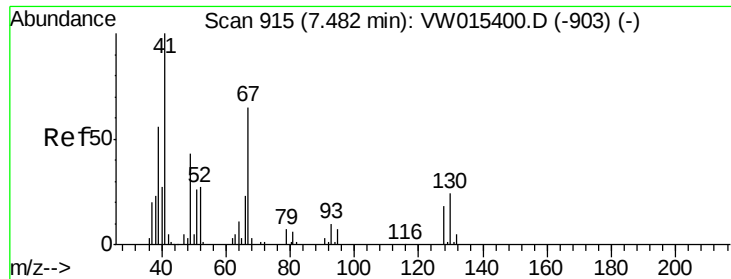
Tot Ion: 83 Resp: 95252
Ion Ratio Lower Upper
83 100
55 79.6 61.9 92.9
98 48.1 38.2 57.2



#40
Benzene
Concen: 20.258 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

Tgt Ion: 78 Resp: 202179
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.4

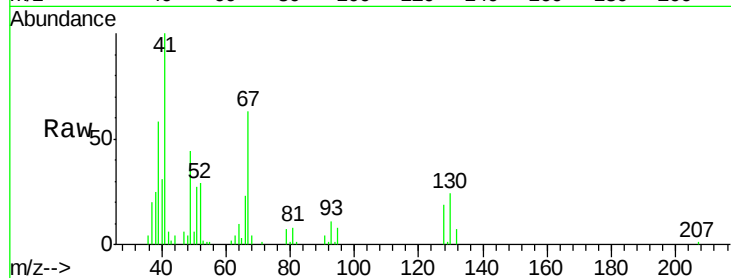




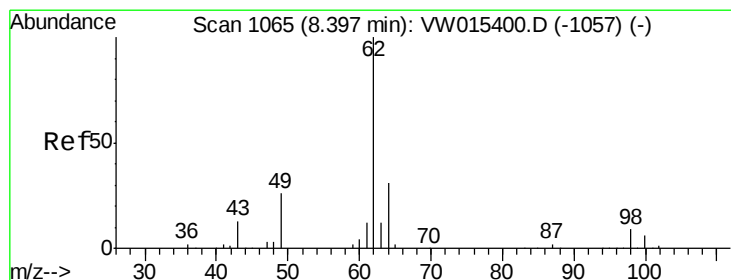
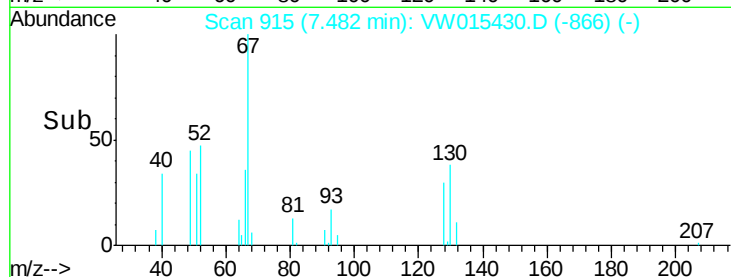
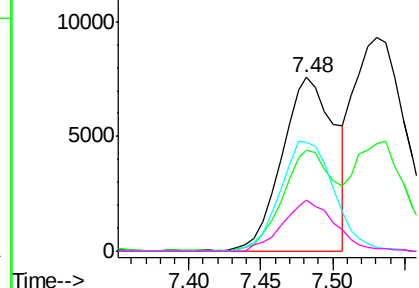
#41
Methacrylonitrile
Concen: 21.752 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	19515
Ion	Ratio	Lower	Upper
41	100		
39	56.6	46.2	69.4
67	63.9	56.2	84.2
52	28.9	25.0	37.6

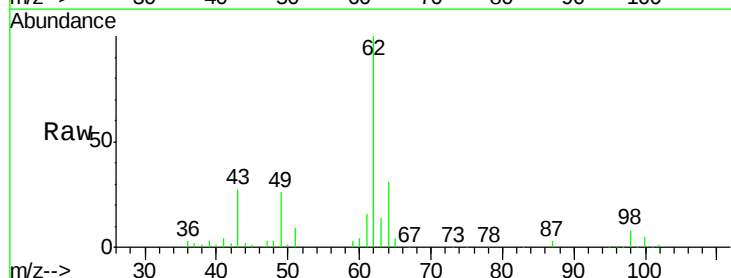


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

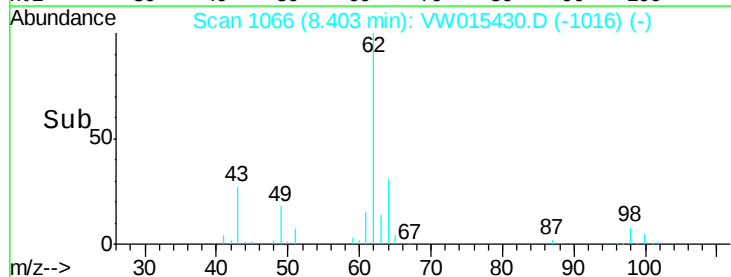
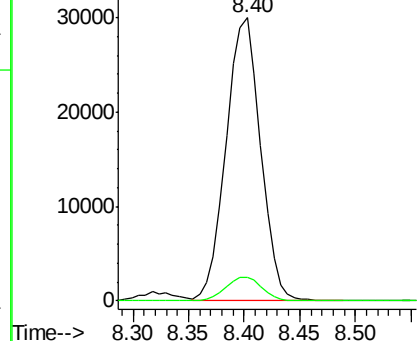


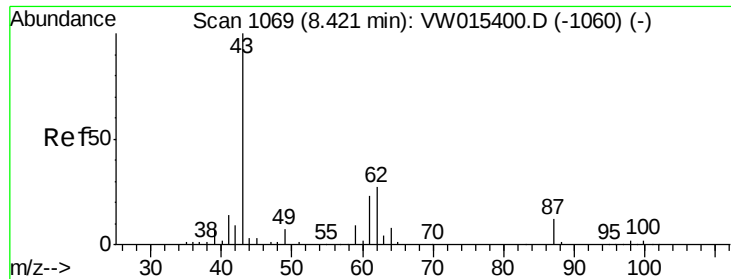
#42
1,2-Dichloroethane
Concen: 21.236 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

Tgt Ion:	62	Resp:	64554
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6



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





#43

Isopropyl Acetate

Concen: 21.233 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

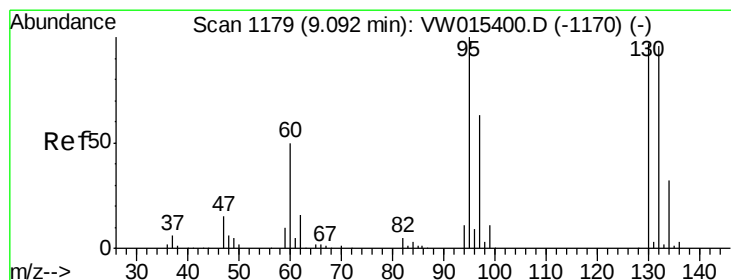
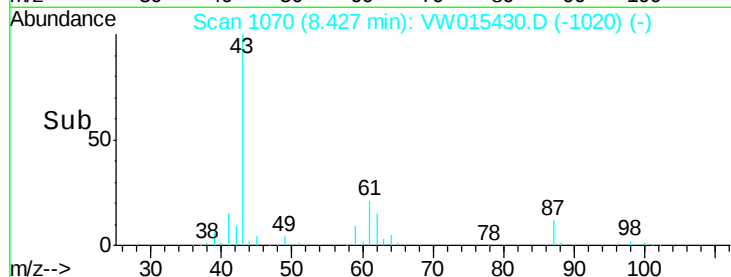
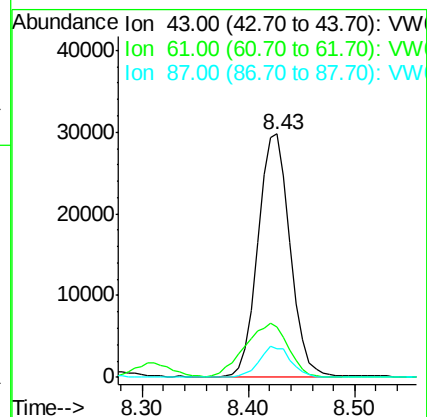
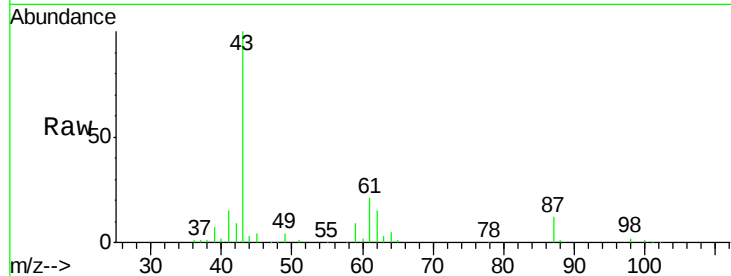
Tot Ion: 43 Resp: 63405

Ion Ratio Lower Upper

43 100

61 29.8 24.3 36.5

87 12.5 10.1 15.1



#44

Trichloroethene

Concen: 20.694 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015430.D

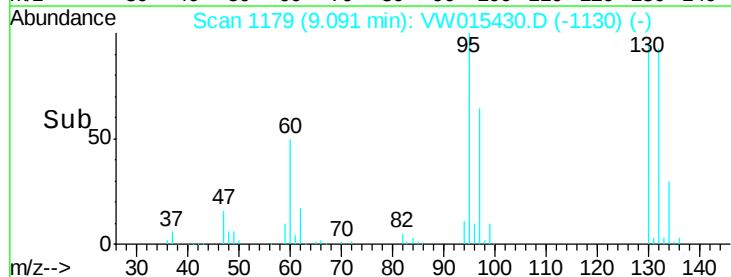
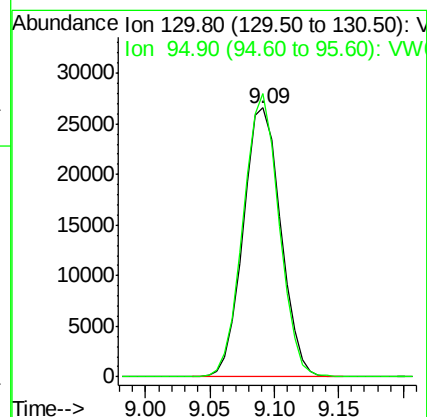
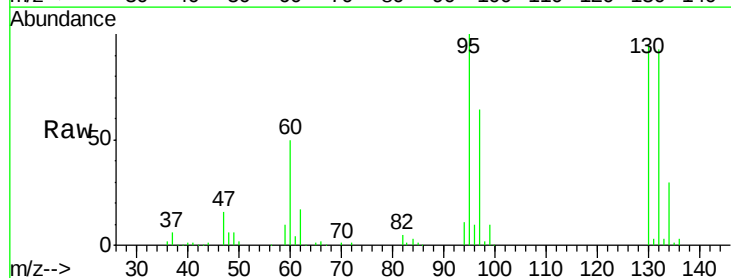
Acq: 15 May 2020 13:35

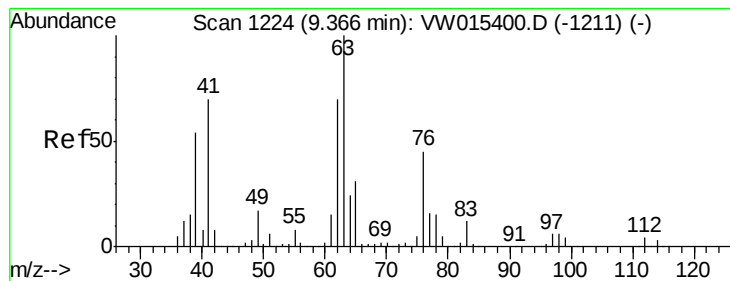
Tgt Ion: 130 Resp: 53531

Ion Ratio Lower Upper

130 100

95 105.3 0.0 205.8





#45

1,2-Dichloropropane

Concen: 20.320 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

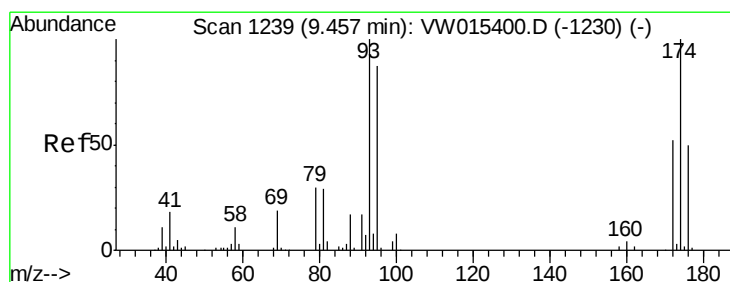
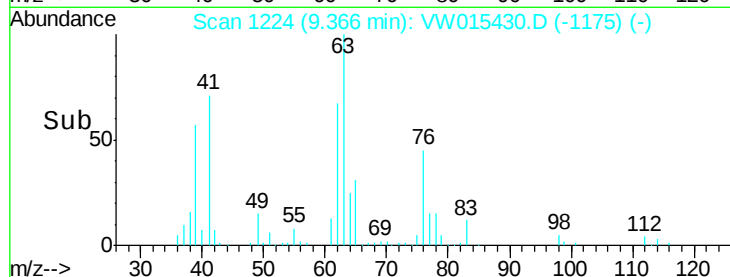
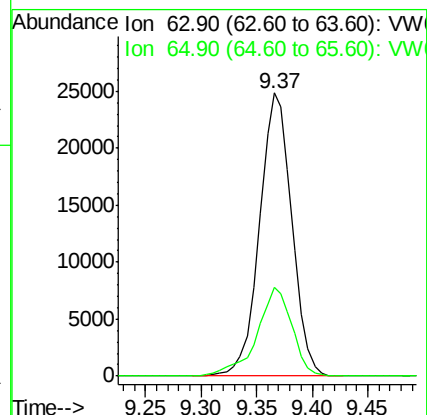
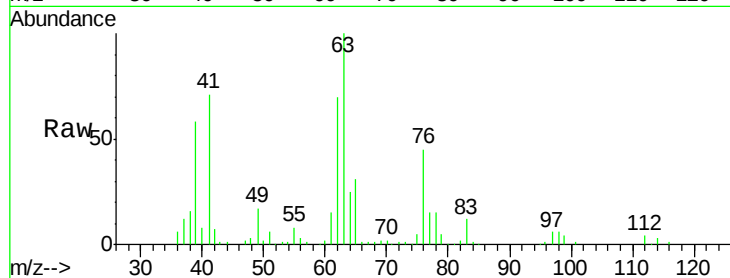
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 50099

Ion Ratio Lower Upper

63 100

65 31.5 25.0 37.6



#46

Dibromomethane

Concen: 20.768 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

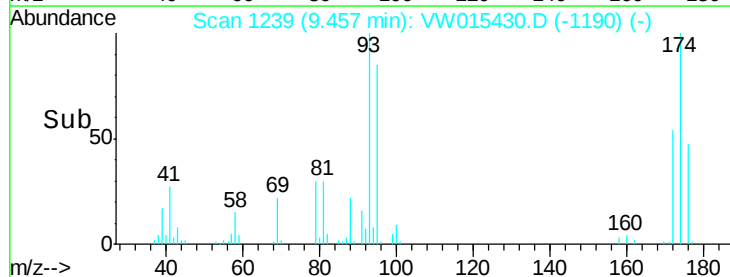
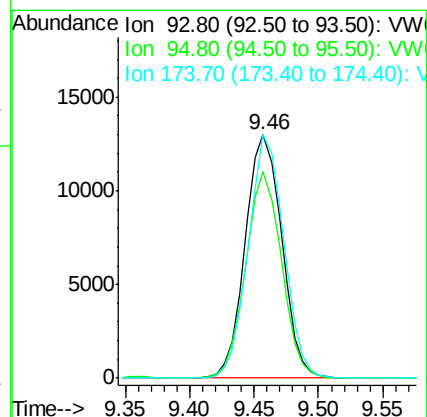
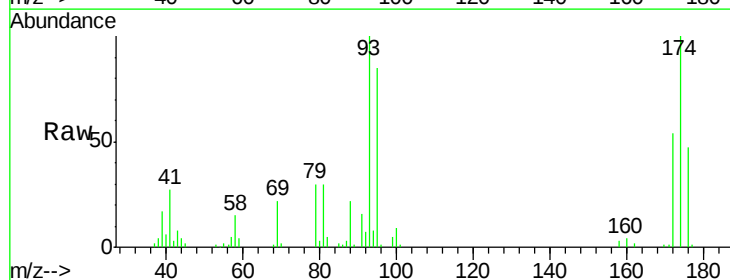
Tgt Ion: 93 Resp: 25467

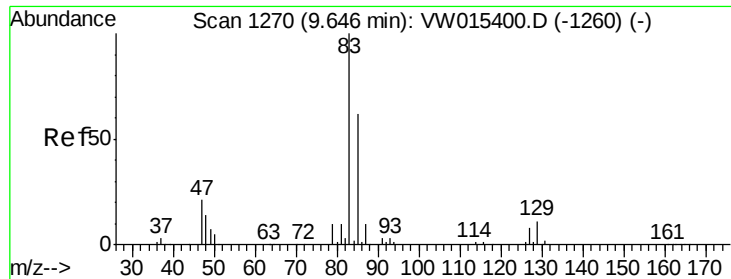
Ion Ratio Lower Upper

93 100

95 83.3 67.0 100.4

174 97.1 78.4 117.6





#47

Bromodichloromethane

Concen: 20.673 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

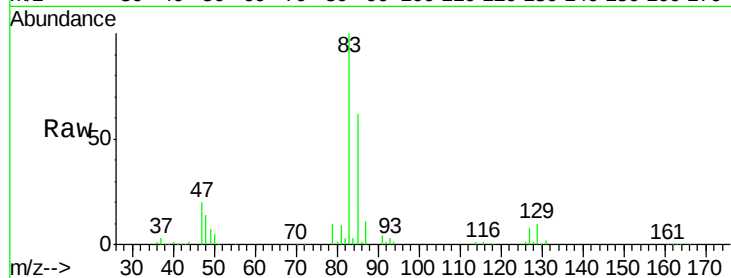
Tot Ion: 83 Resp: 69087

Ion Ratio Lower Upper

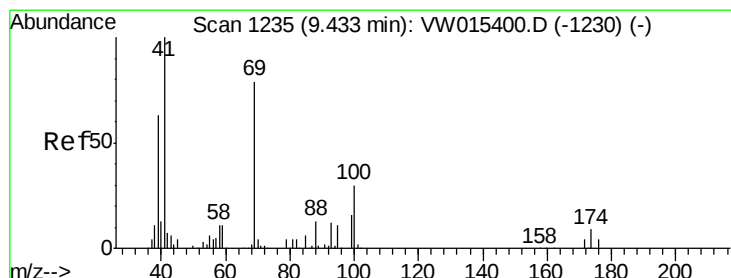
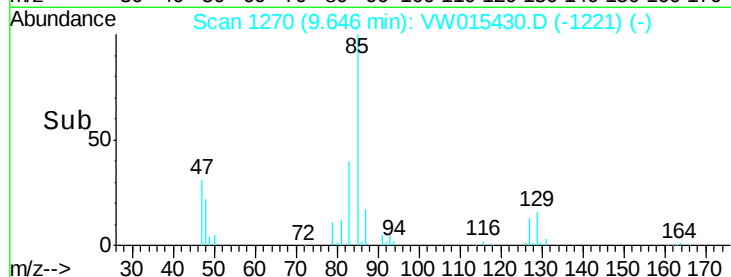
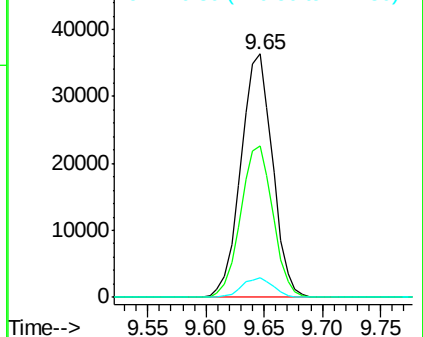
83 100

85 62.4 49.4 74.0

127 7.9 6.4 9.6



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: 21.101 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

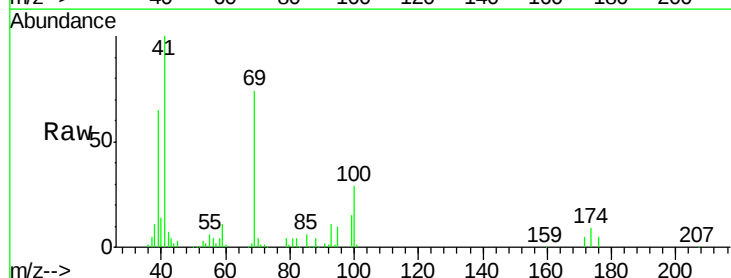
Tgt Ion: 41 Resp: 29106

Ion Ratio Lower Upper

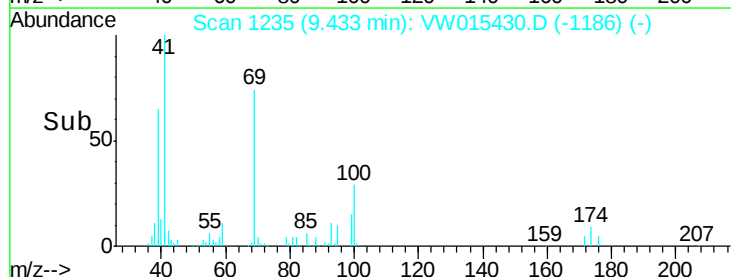
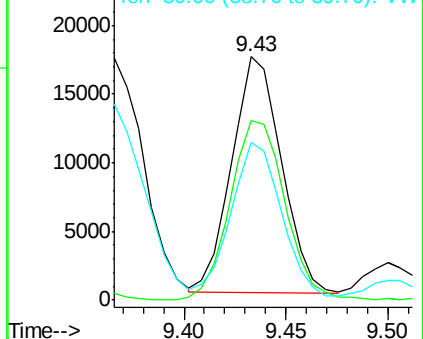
41 100

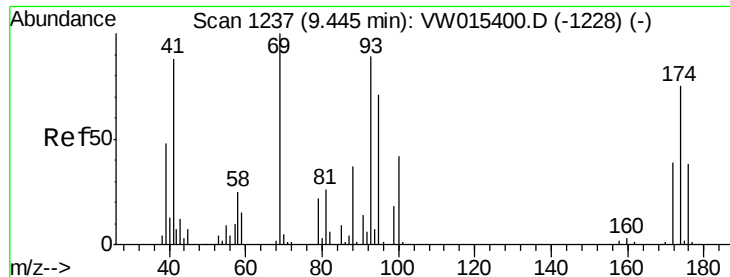
69 85.0 66.2 99.4

39 64.5 51.1 76.7



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: 401.508 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :
MSVOA_W
ClientSampleId :

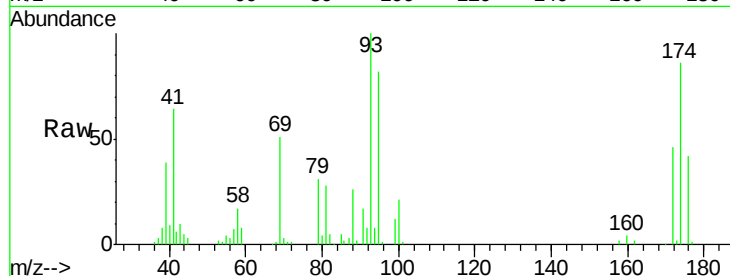
Tot Ion: 88 Resp: 6196

Ion Ratio Lower Upper

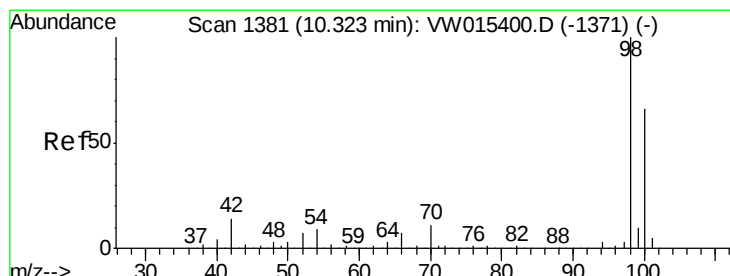
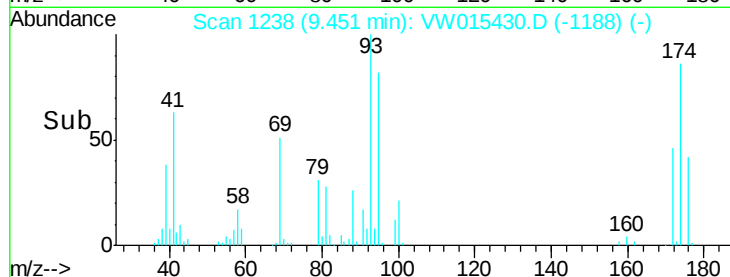
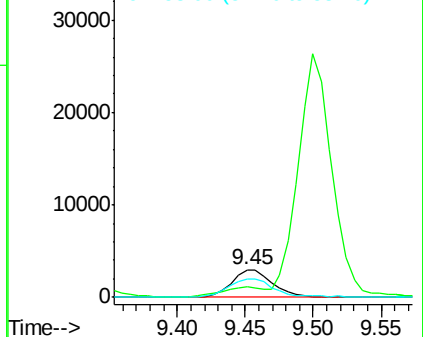
88 100

43 37.1 30.6 45.8

58 77.6 56.3 84.5



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: 52.389 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015430.D

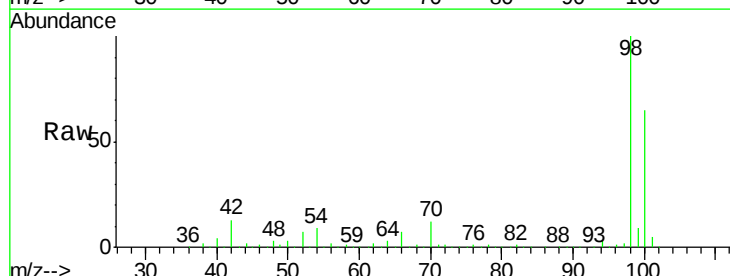
Acq: 15 May 2020 13:35

Tgt Ion: 98 Resp: 463475

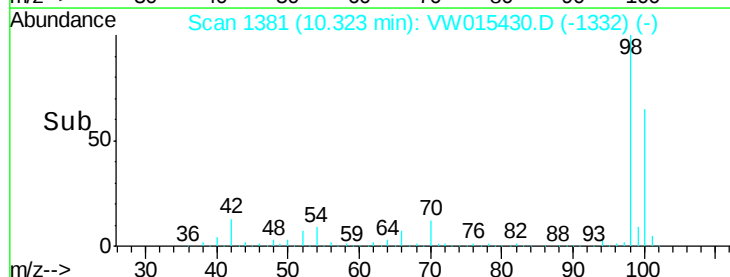
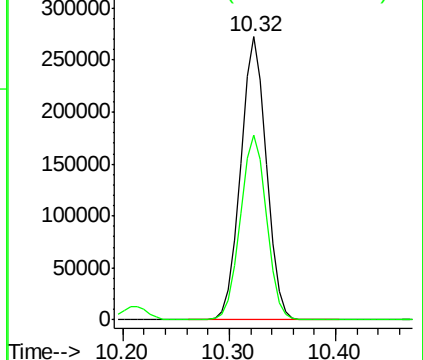
Ion Ratio Lower Upper

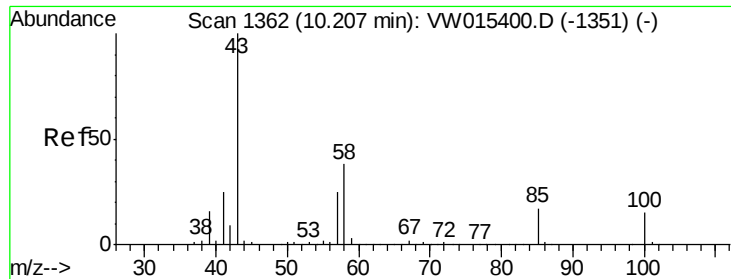
98 100

100 66.1 52.7 79.1



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: 107.259 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :

MSVOA_W

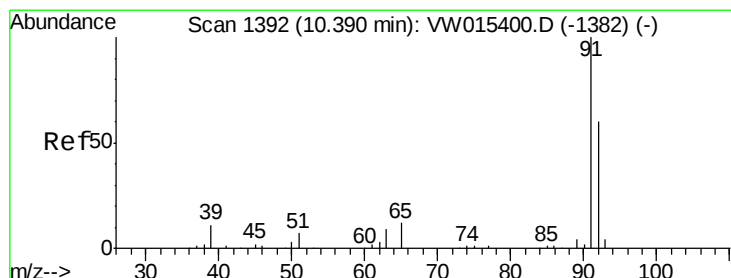
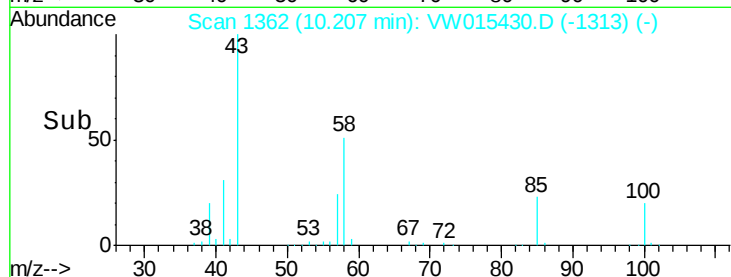
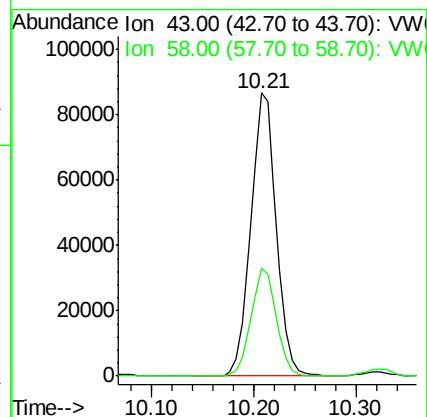
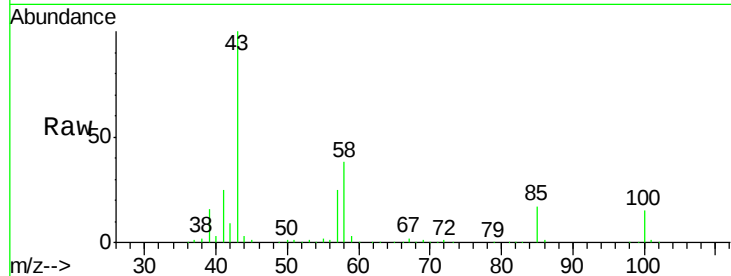
ClientSampled :

Tot Ion: 43 Resp: 150105

Ion Ratio Lower Upper

43 100

58 38.2 30.8 46.2



#52

Toluene

Concen: 20.294 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015430.D

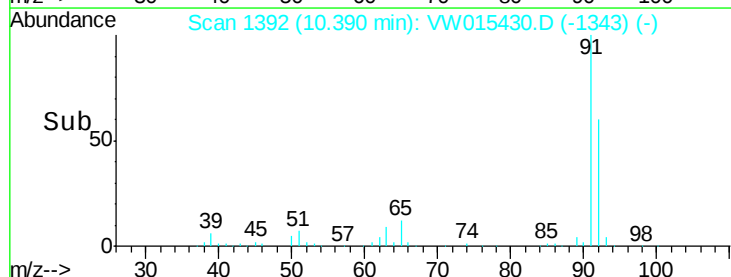
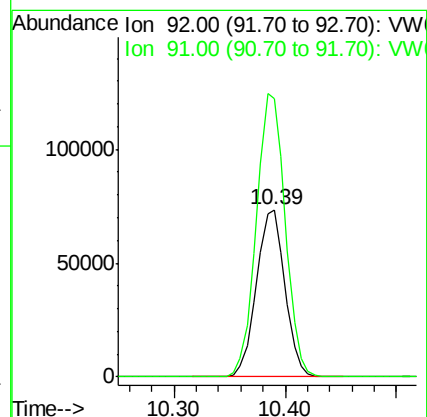
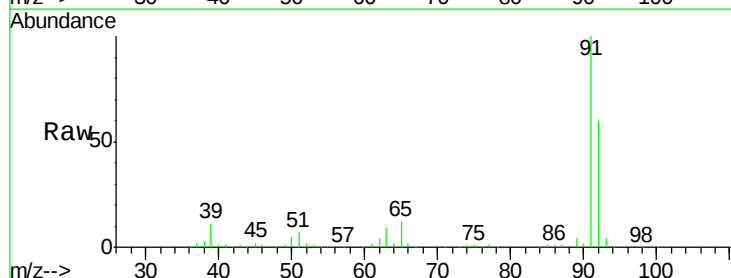
Acq: 15 May 2020 13:35

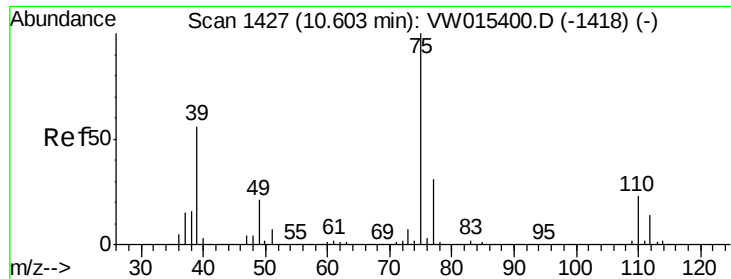
Tgt Ion: 92 Resp: 131621

Ion Ratio Lower Upper

92 100

91 171.1 135.9 203.9





#53

t-1,3-Dichloropropene

Concen: 20.646 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :

MSVOA_W

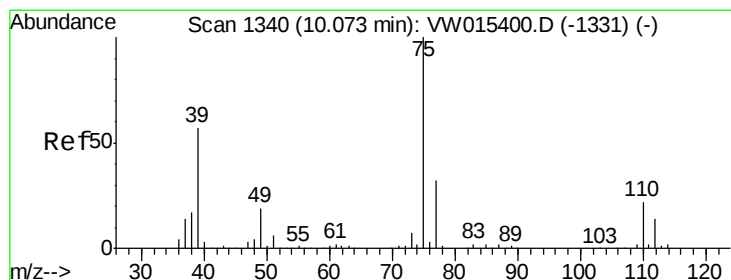
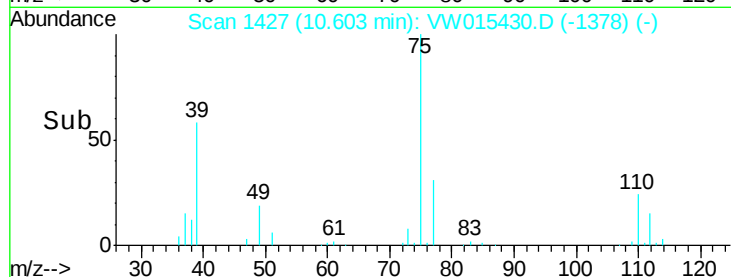
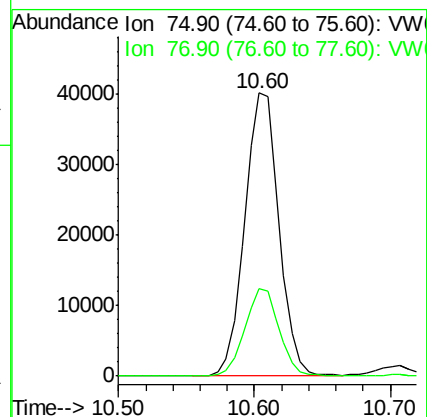
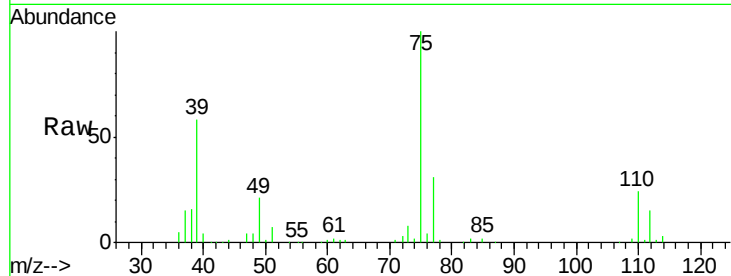
ClientSampleId :

Tot Ion: 75 Resp: 70427

Ion Ratio Lower Upper

75 100

77 30.9 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 20.334 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

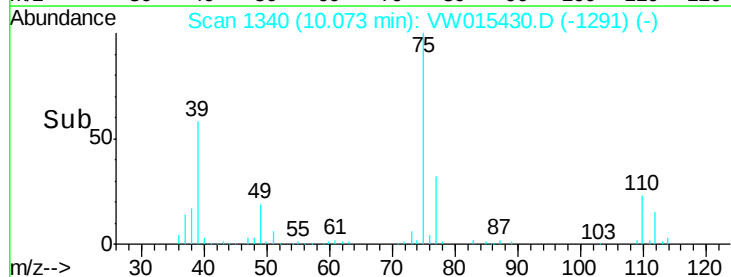
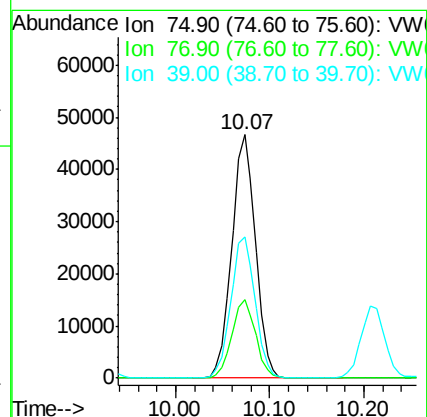
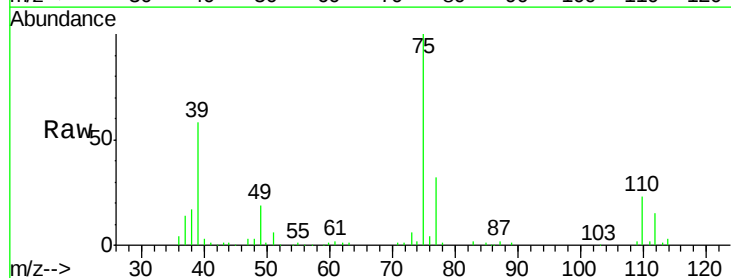
Tgt Ion: 75 Resp: 81670

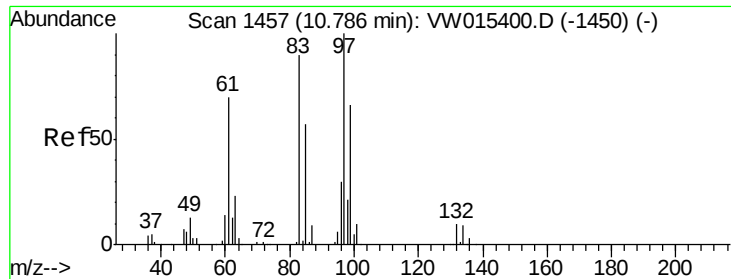
Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4

39 57.7 45.6 68.4





#55

1,1,2-Trichloroethane

Concen: 21.044 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 36491

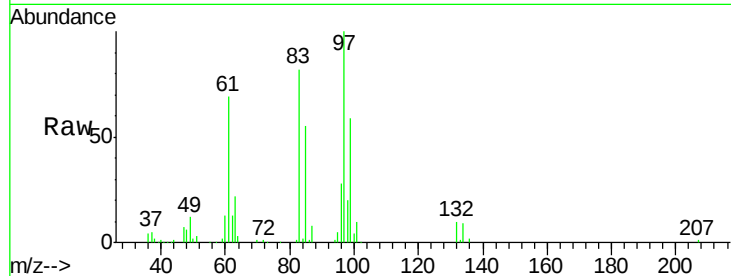
Ion Ratio Lower Upper

97 100

83 81.6 72.2 108.4

85 55.1 45.2 67.8

99 58.8 52.6 78.8

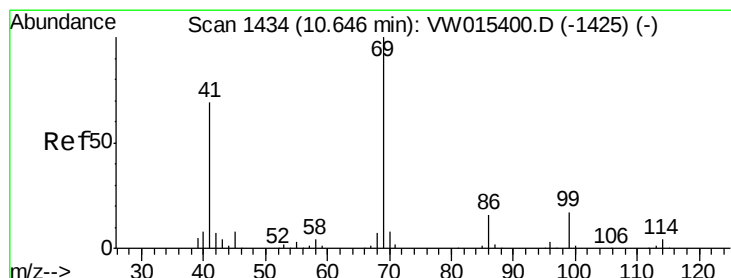
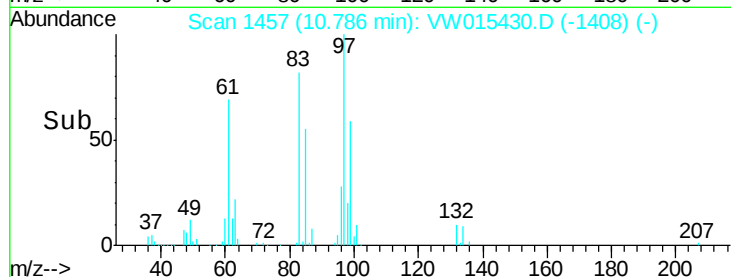
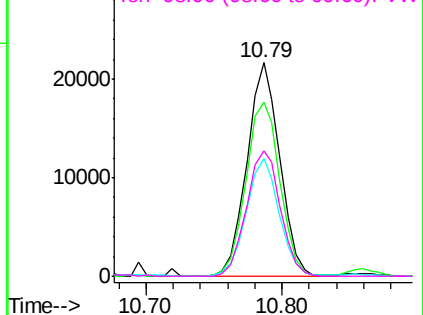


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 20.700 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

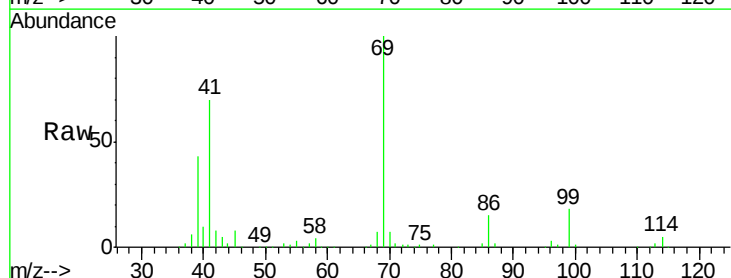
Tgt Ion: 69 Resp: 49318

Ion Ratio Lower Upper

69 100

41 71.3 55.3 82.9

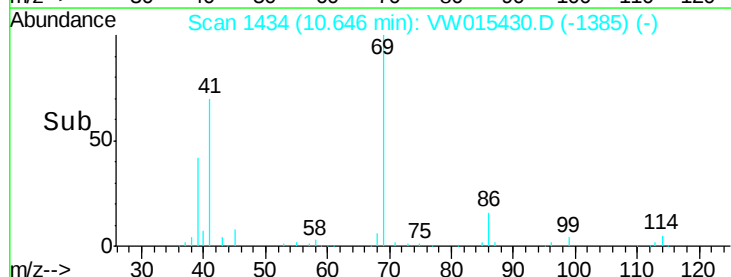
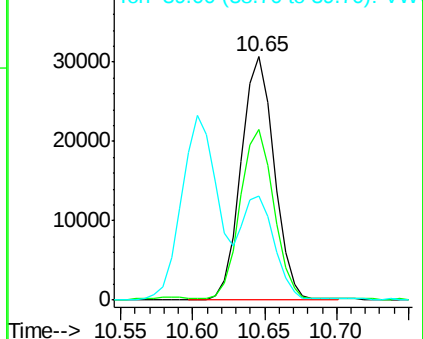
39 41.3 31.9 47.9

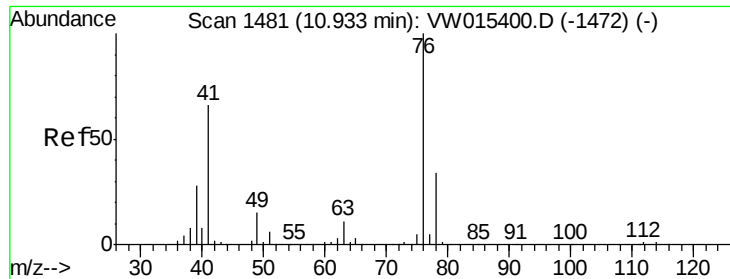


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

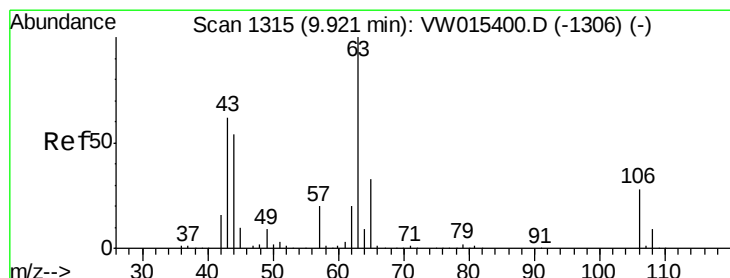
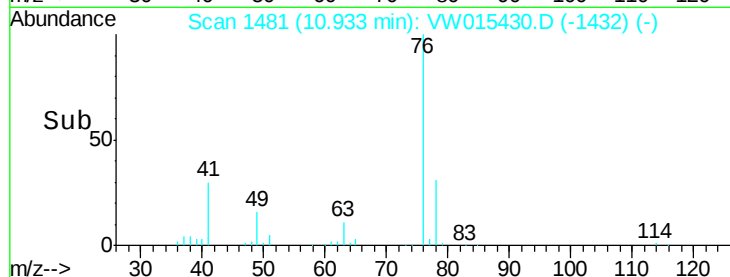
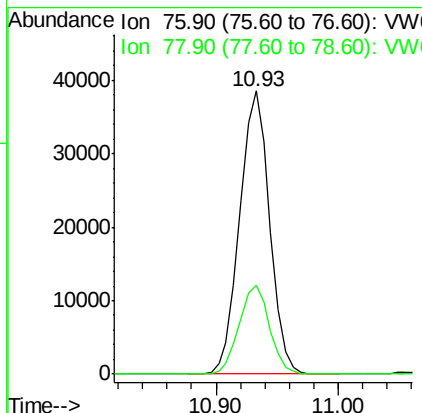
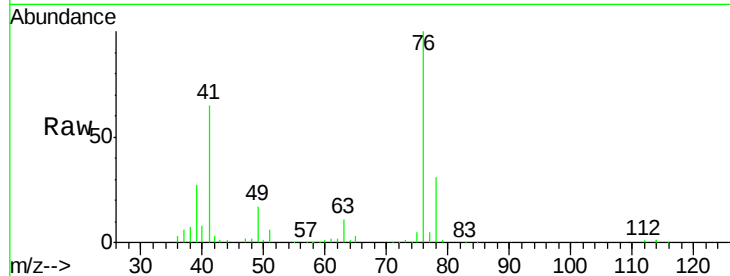




#57
 1,3-Dichloropropane
 Concen: 20.985 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW015430.D
 Acq: 15 May 2020 13:35

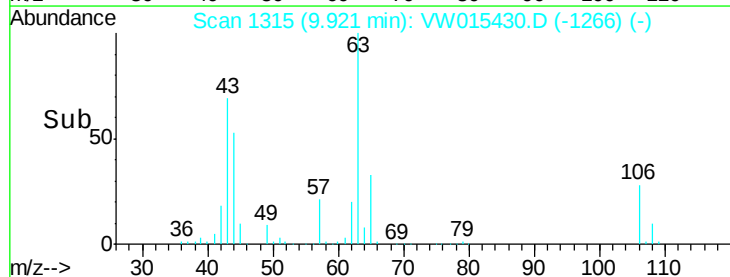
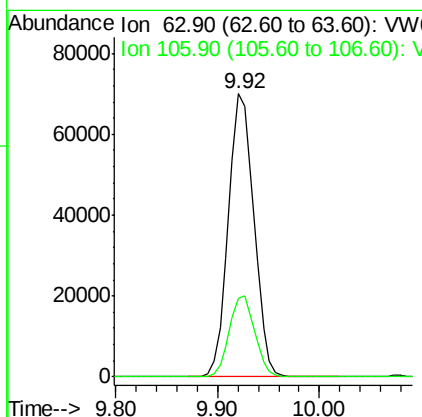
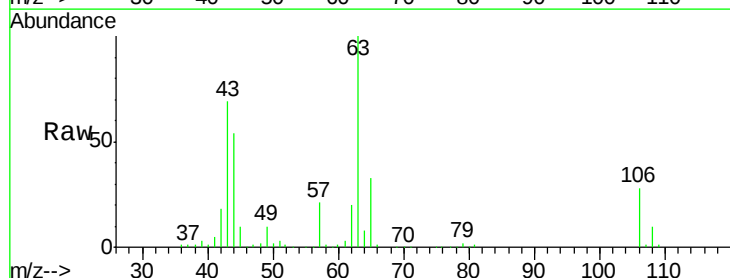
Instrument :
 MSVOA_W
 ClientSampleId :

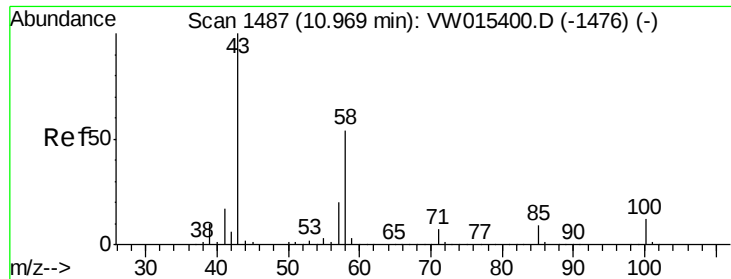
Tot Ion: 76 Resp: 65425
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.603 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW015430.D
 Acq: 15 May 2020 13:35

Tgt Ion: 63 Resp: 121244
 Ion Ratio Lower Upper
 63 100
 106 28.6 22.6 33.8

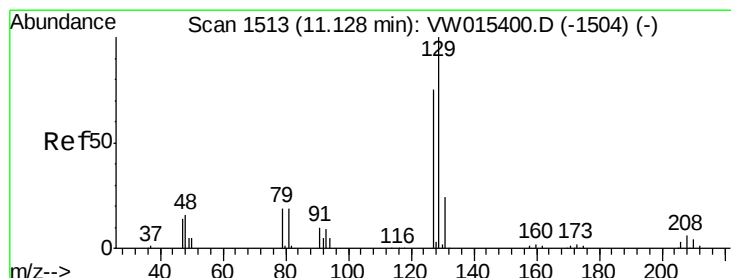
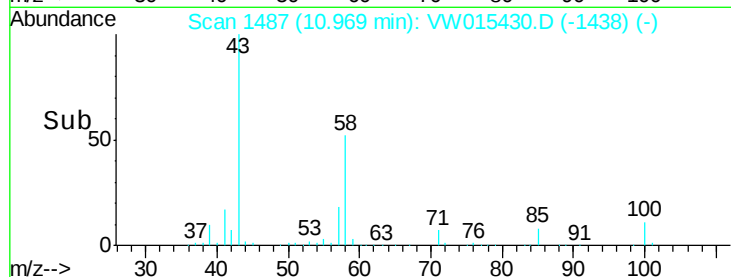
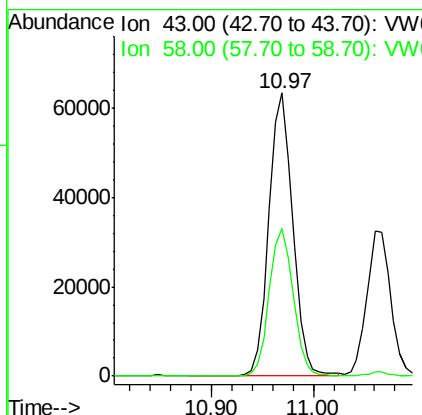
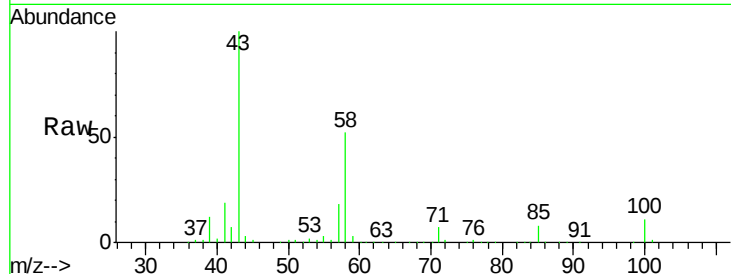




#59
2-Hexanone
Concen: 108.701 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

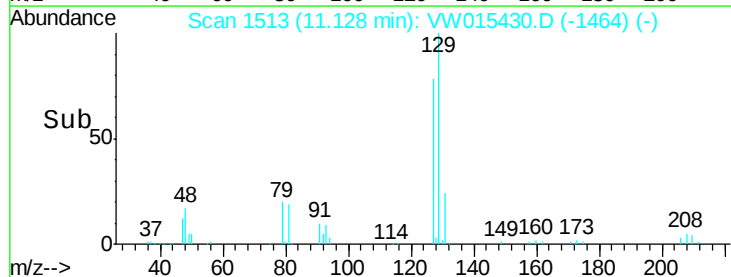
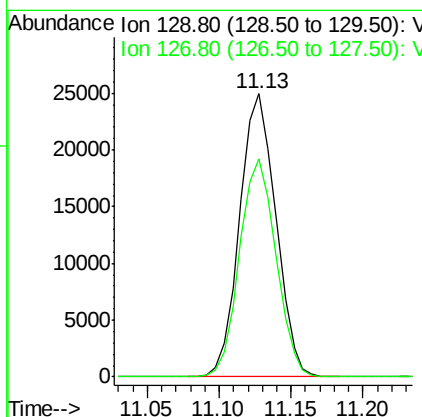
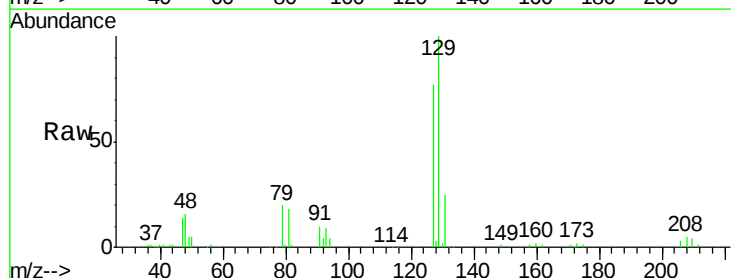
Instrument :
MSVOA_W
ClientSampleId :

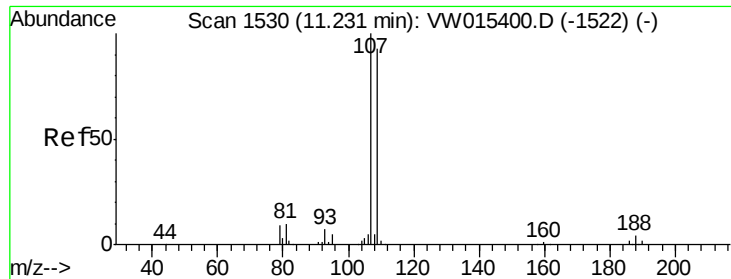
Tot Ion: 43 Resp: 102931
Ion Ratio Lower Upper
43 100
58 52.3 26.7 80.0



#60
Dibromochloromethane
Concen: 20.874 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

Tgt Ion: 129 Resp: 43532
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 21.061 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :

MSVOA_W

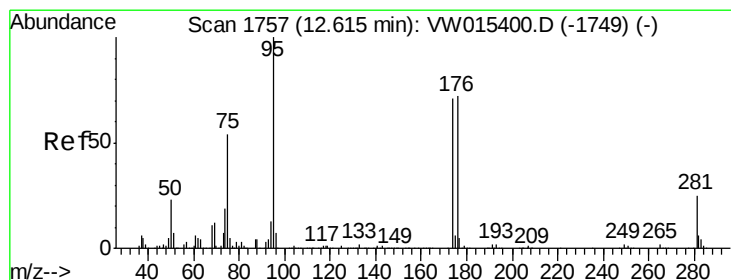
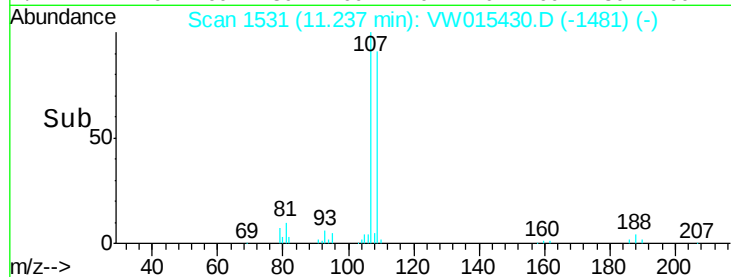
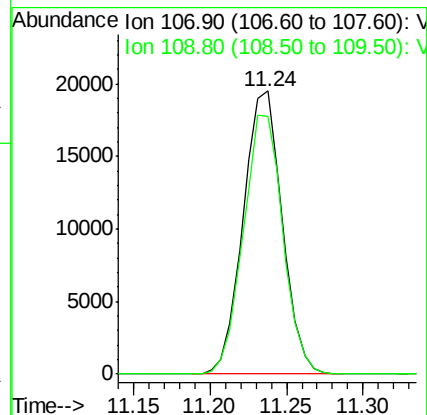
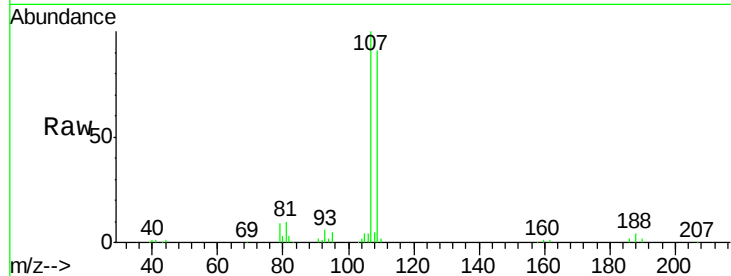
ClientSampleId :

Tot Ion:107 Resp: 34579

Ion Ratio Lower Upper

107 100

109 93.0 75.0 112.4



#62

4-Bromofluorobenzene

Concen: 51.610 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

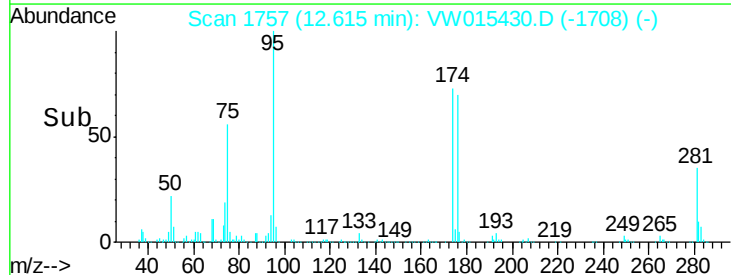
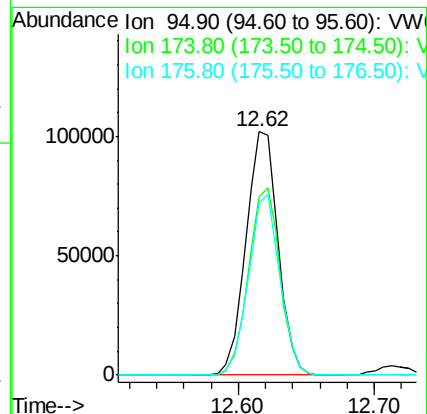
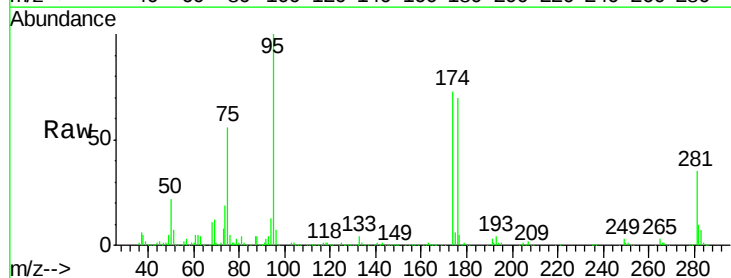
Tgt Ion: 95 Resp: 168596

Ion Ratio Lower Upper

95 100

174 75.6 0.0 147.6

176 72.5 0.0 144.4

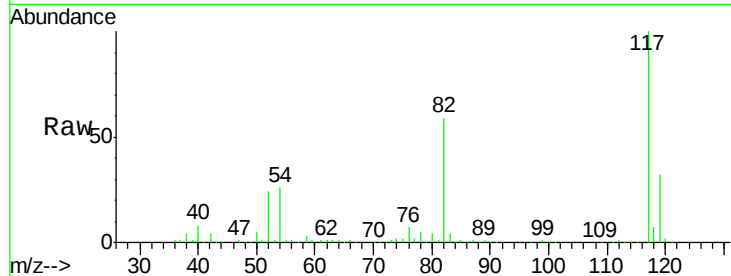




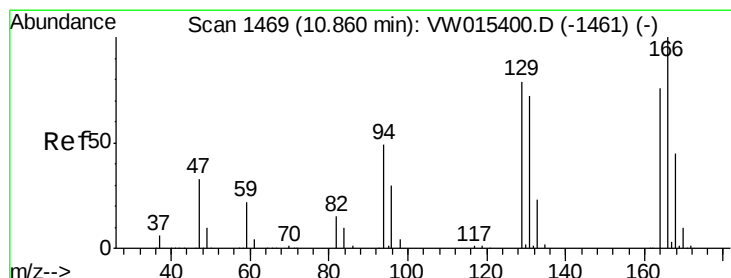
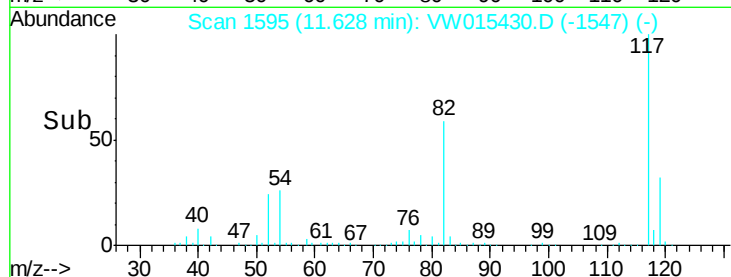
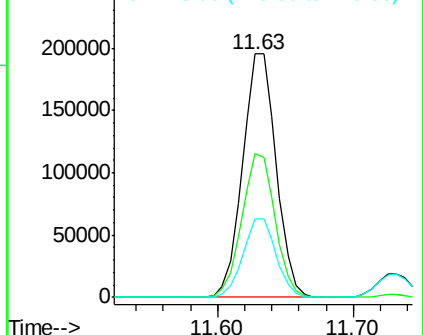
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 336882
Ion Ratio Lower Upper
117 100
82 59.3 46.4 69.6
119 32.1 24.6 37.0

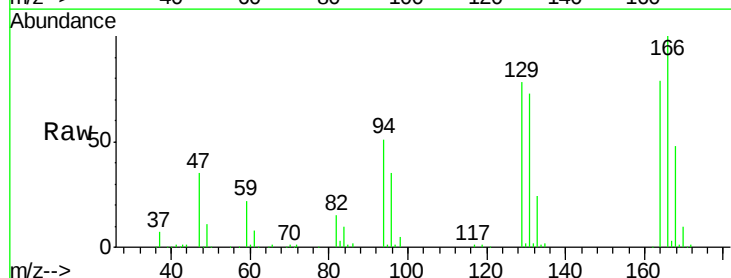


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

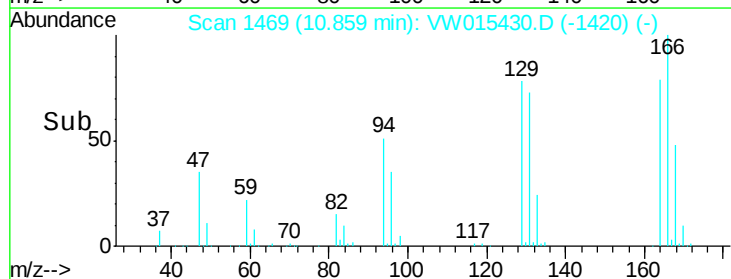
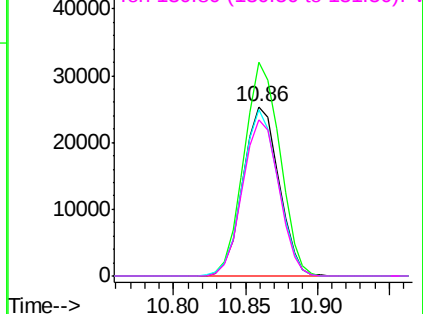


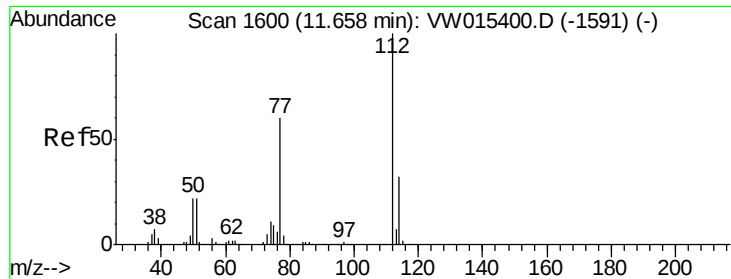
#64
Tetrachloroethene
Concen: 21.327 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

Tgt Ion:164 Resp: 43916
Ion Ratio Lower Upper
164 100
166 126.2 104.9 157.3
129 98.6 82.7 124.1
131 92.5 75.5 113.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

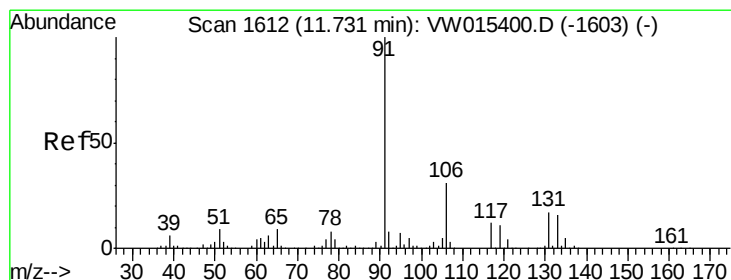
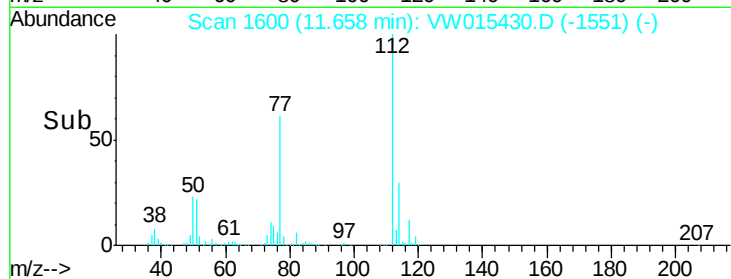
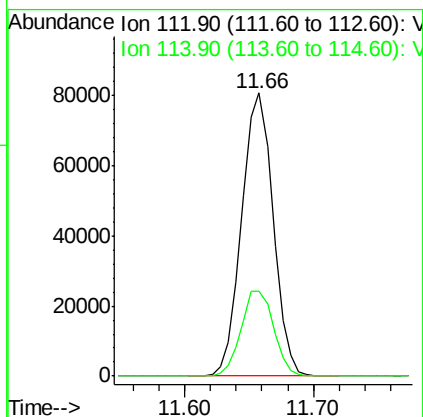
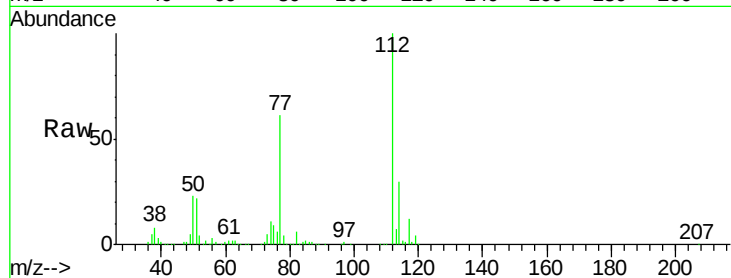




#65
Chlorobenzene
Concen: 20.474 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

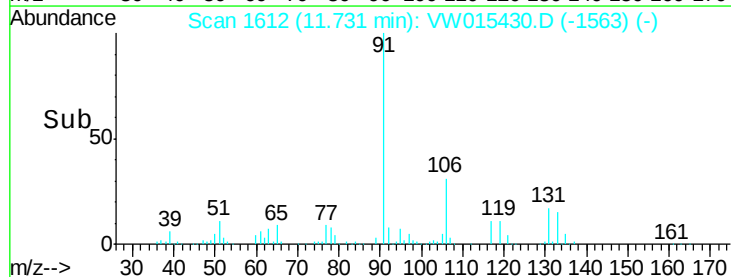
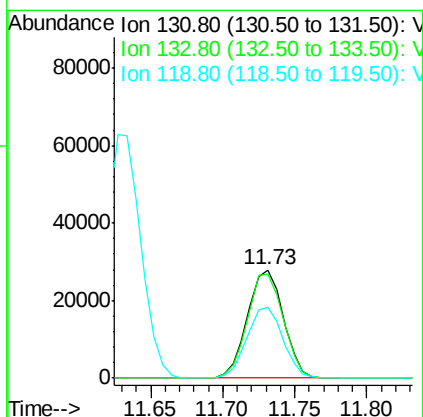
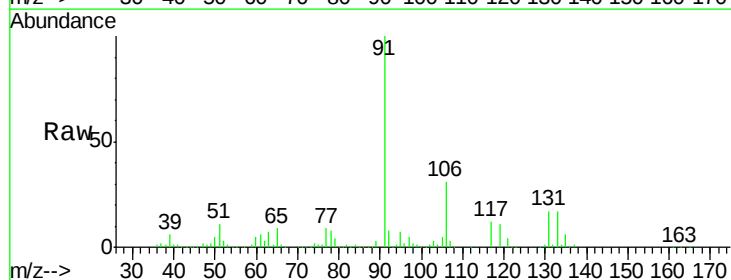
Instrument :
MSVOA_W
ClientSampleId :

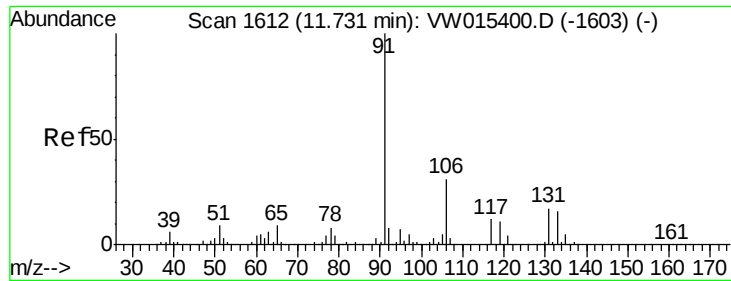
Tot Ion:112 Resp: 135994
Ion Ratio Lower Upper
112 100
114 30.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.462 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

Tgt Ion:131 Resp: 48188
Ion Ratio Lower Upper
131 100
133 96.1 47.9 143.8
119 65.9 33.0 99.0

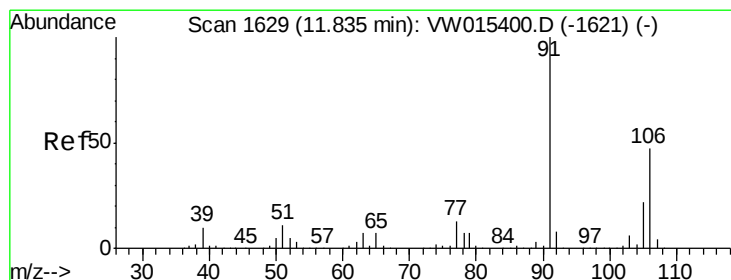
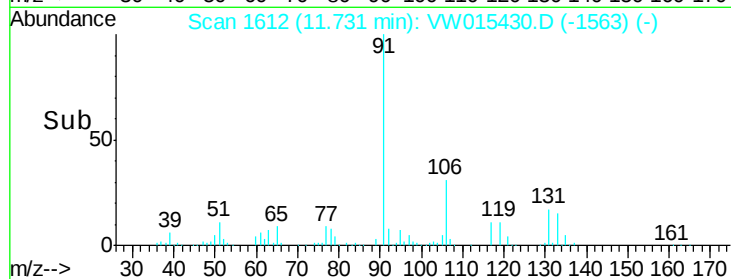
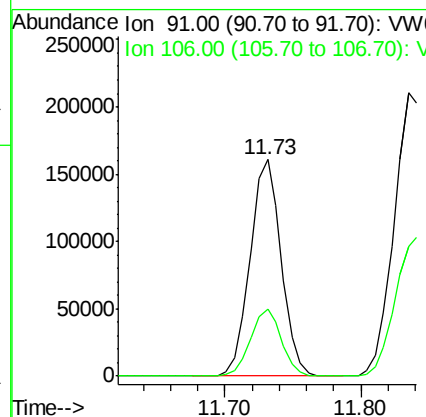
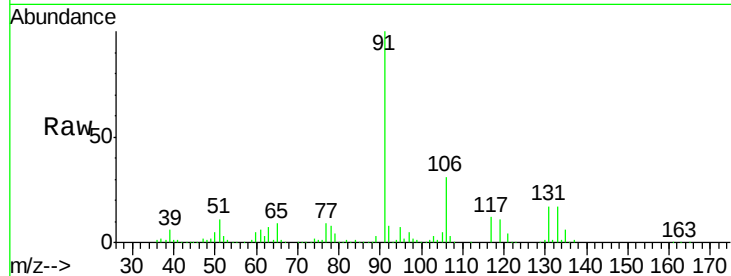




#67
Ethyl Benzene
Concen: 20.242 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

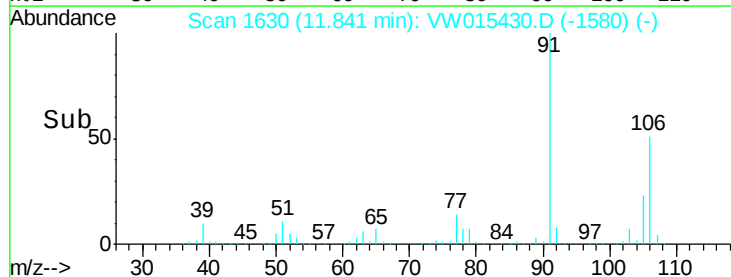
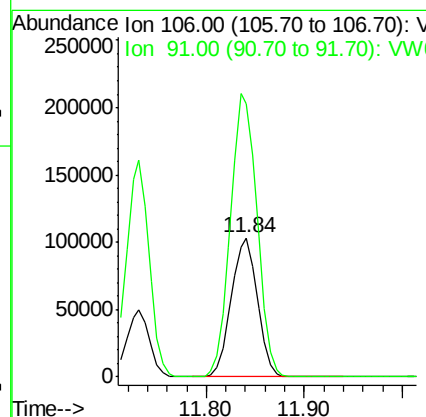
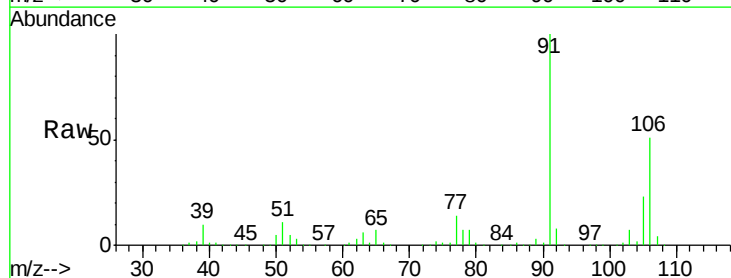
Instrument :
MSVOA_W
ClientSampled :

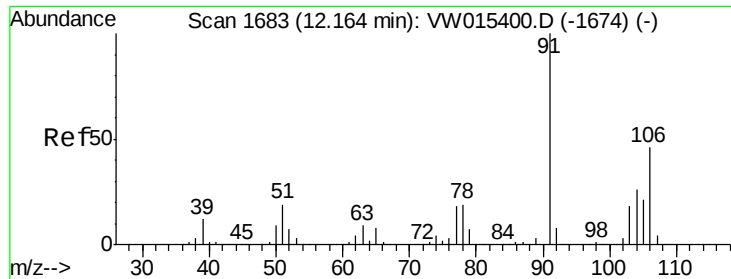
Tot Ion: 91 Resp: 257352
Ion Ratio Lower Upper
91 100
106 31.1 25.2 37.8



#68
m/p-Xylenes
Concen: 40.545 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

Tgt Ion:106 Resp: 191648
Ion Ratio Lower Upper
106 100
91 206.9 165.7 248.5

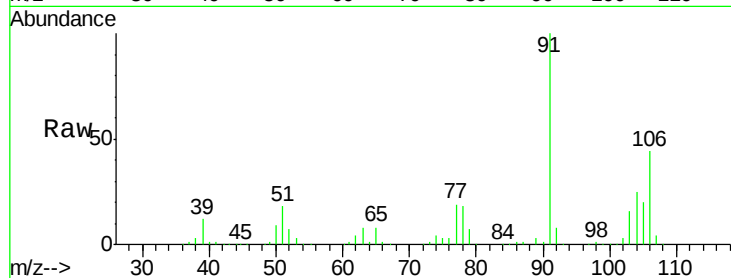




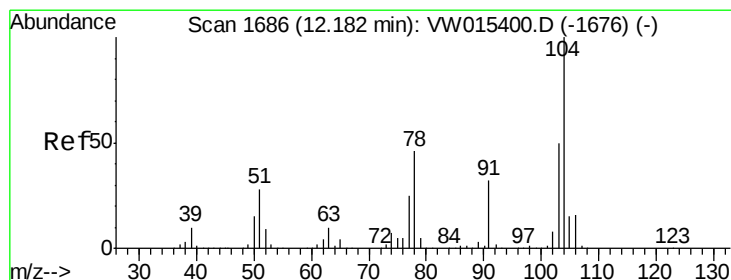
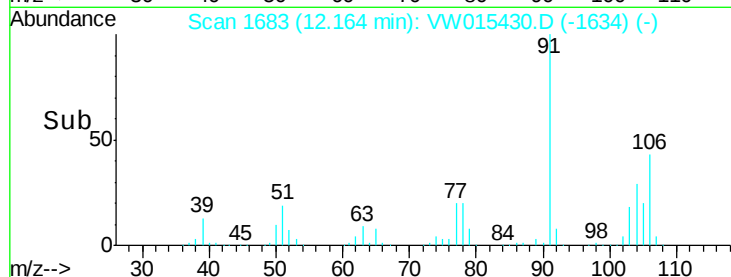
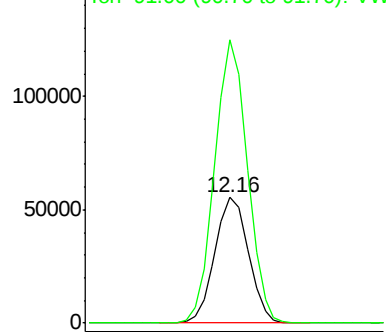
#69
o-Xylene
Concen: 20.244 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 89919
Ion Ratio Lower Upper
106 100
91 219.0 109.0 327.0

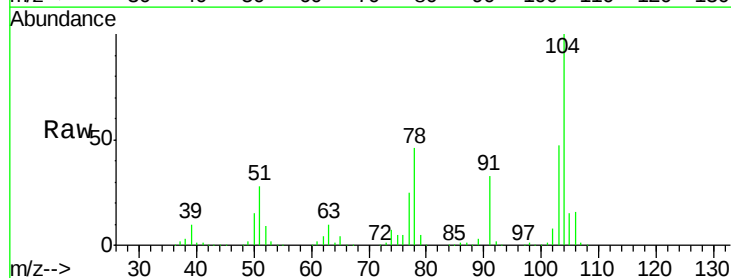


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV

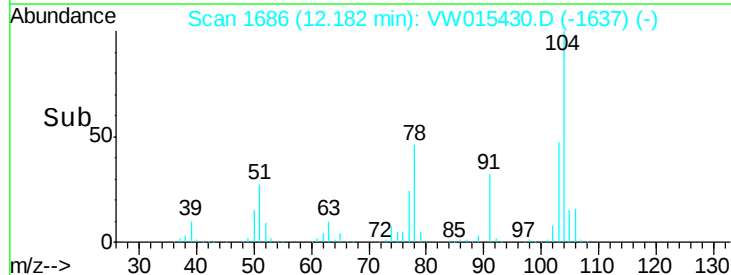
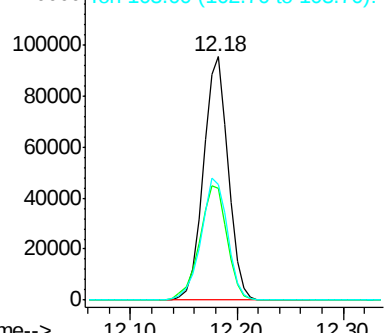


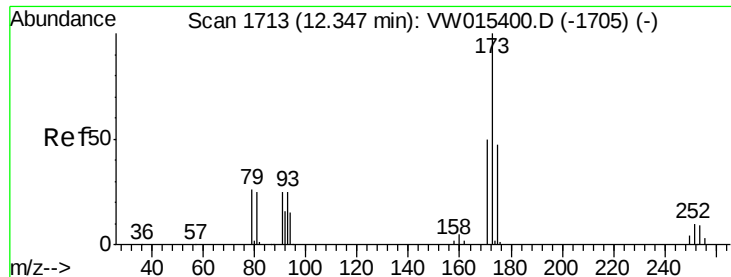
#70
Styrene
Concen: 20.367 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

Tgt Ion:104 Resp: 155809
Ion Ratio Lower Upper
104 100
78 52.1 41.8 62.8
103 53.4 43.6 65.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.186 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

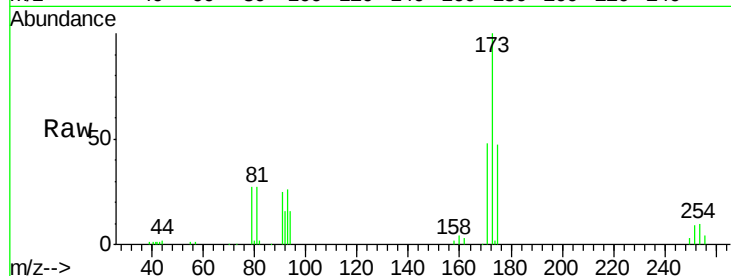
Tot Ion:173 Resp: 24332

Ion Ratio Lower Upper

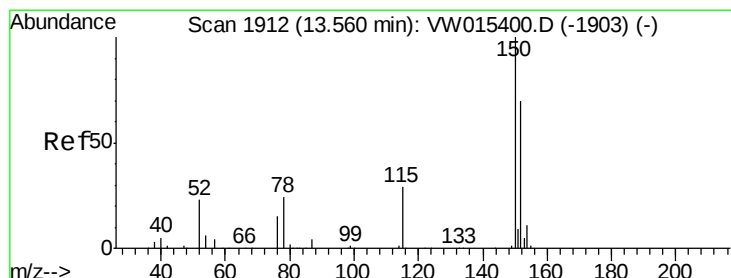
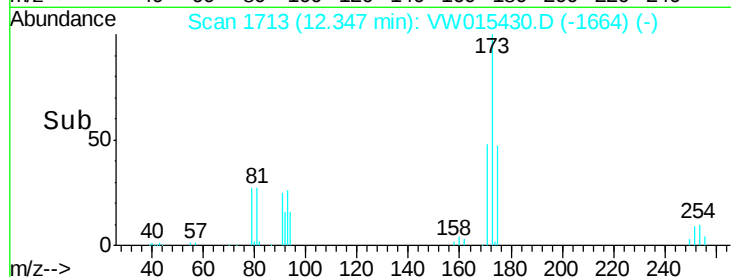
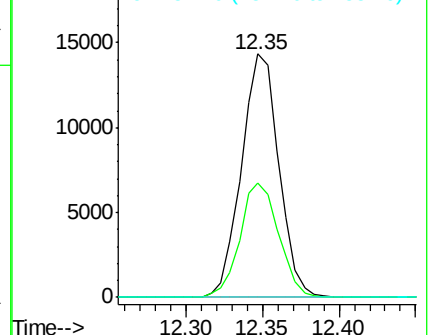
173 100

175 48.5 23.8 71.4

254 0.0 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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

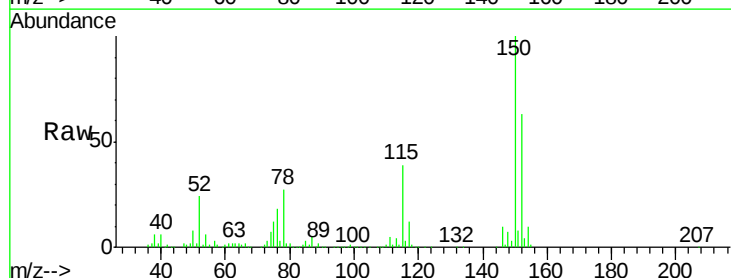
Tgt Ion:152 Resp: 165403

Ion Ratio Lower Upper

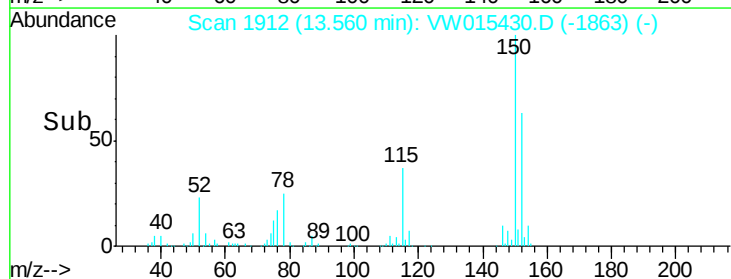
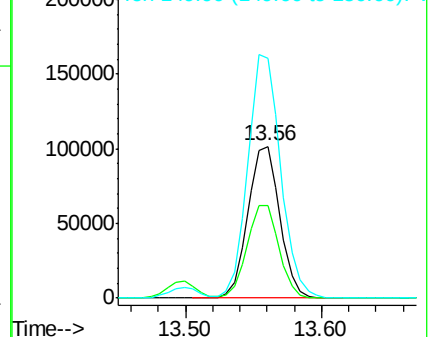
152 100

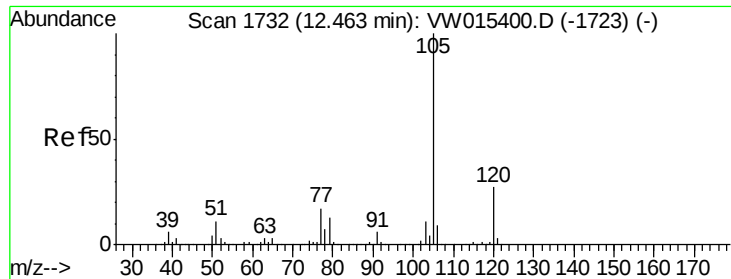
115 61.7 30.3 90.8

150 166.8 0.0 344.4



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: 20.610 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :

MSVOA_W

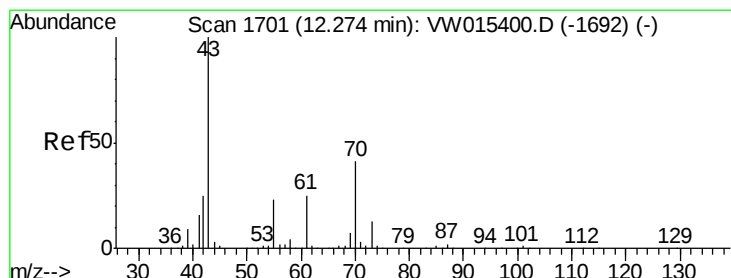
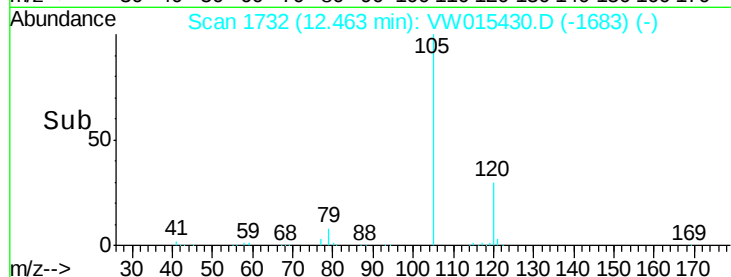
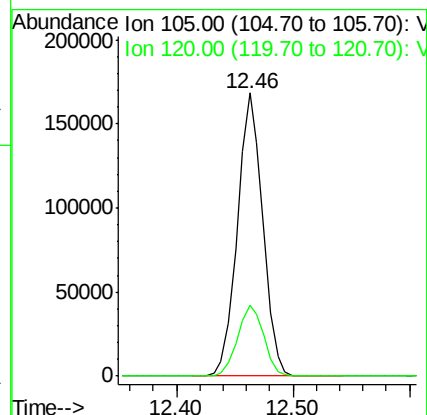
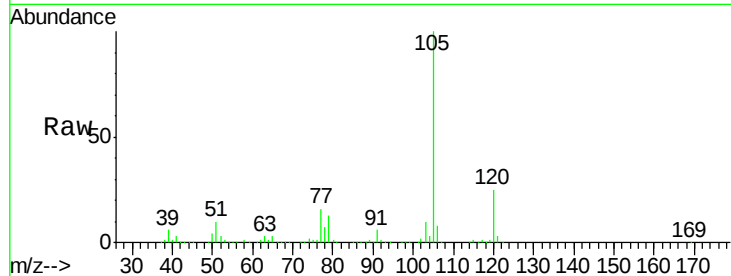
ClientSampleId :

Tot Ion:105 Resp: 254497

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.3



#74

N-ethyl acetate

Concen: 20.906 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Tgt Ion: 43 Resp: 61024

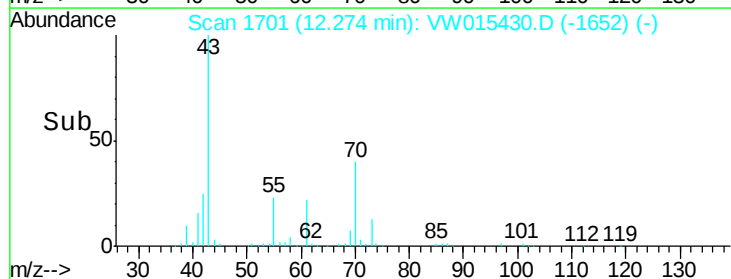
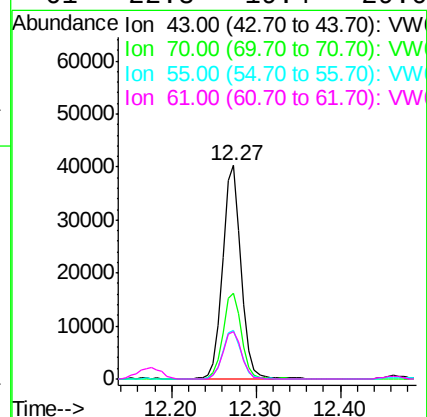
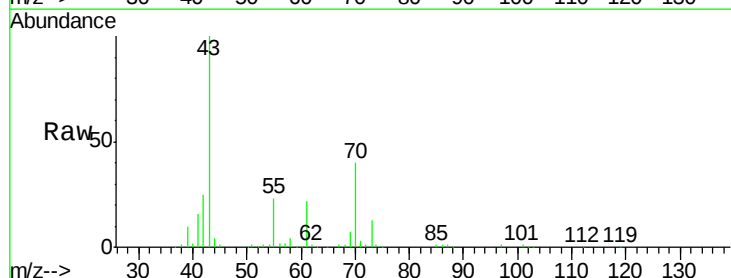
Ion Ratio Lower Upper

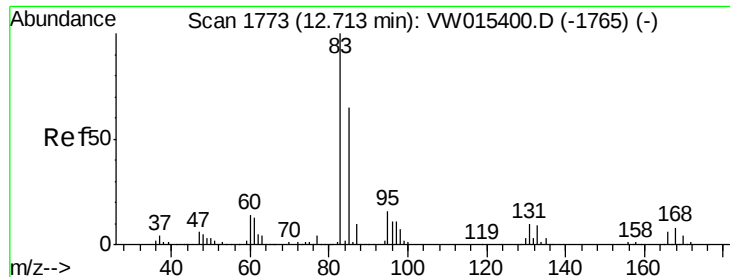
43 100

70 40.3 33.4 50.0

55 23.1 18.9 28.3

61 22.8 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.714 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :

MSVOA_W

ClientSampled :

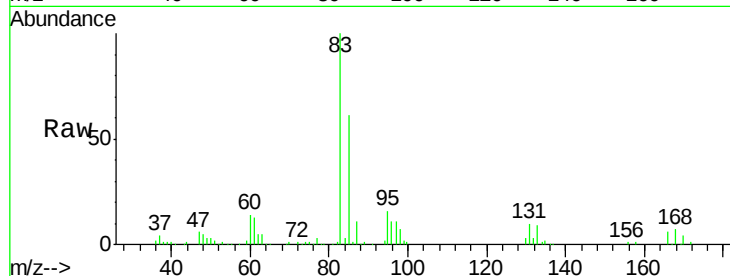
Tot Ion: 83 Resp: 41946

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.2

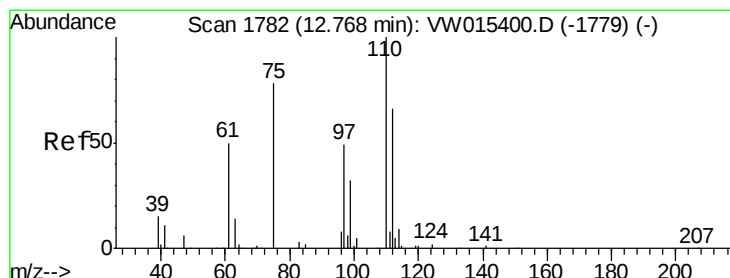
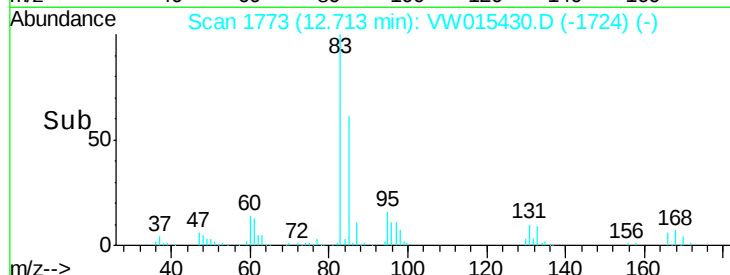
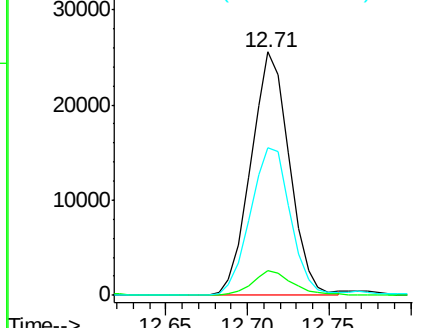
85 63.1 32.2 96.6



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: 41.548 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015430.D

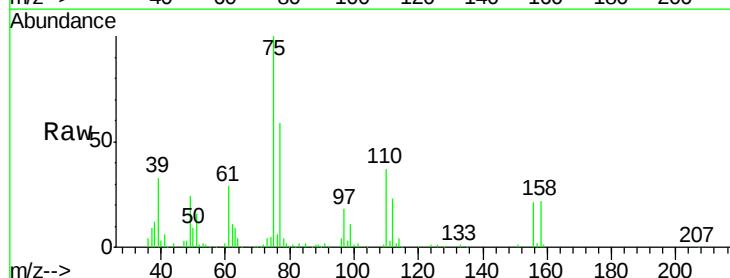
Acq: 15 May 2020 13:35

Tgt Ion: 75 Resp: 56534

Ion Ratio Lower Upper

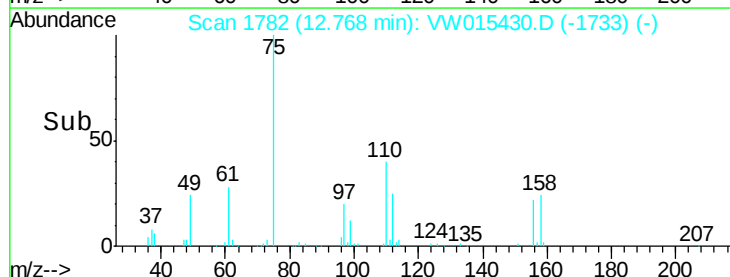
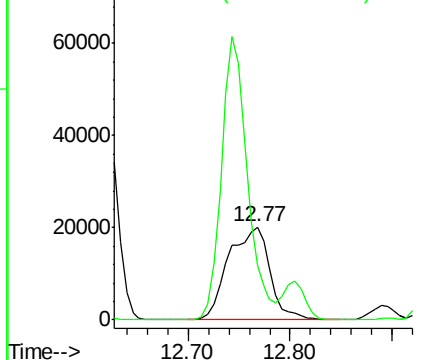
75 100

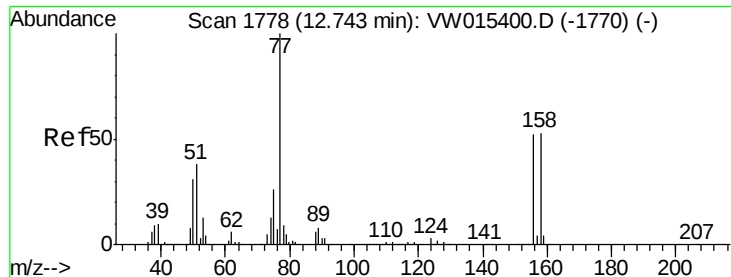
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.287 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :

MSVOA_W

ClientSampled :

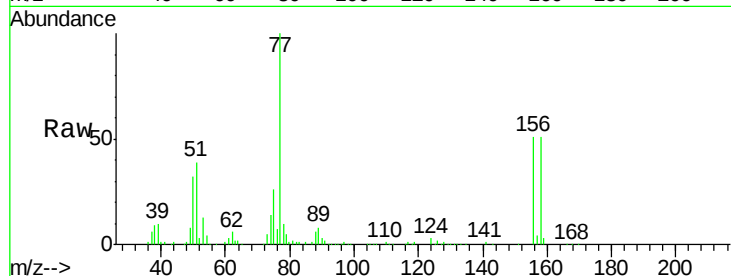
Tot Ion:156 Resp: 53089

Ion Ratio Lower Upper

156 100

77 205.7 101.8 305.6

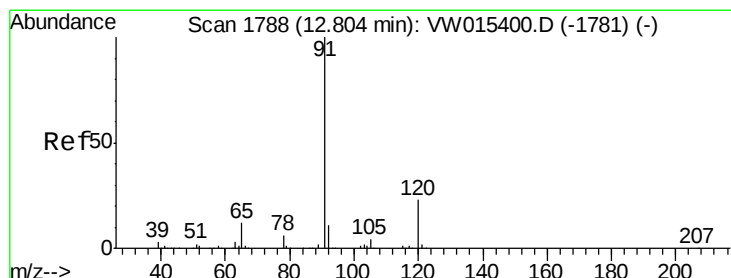
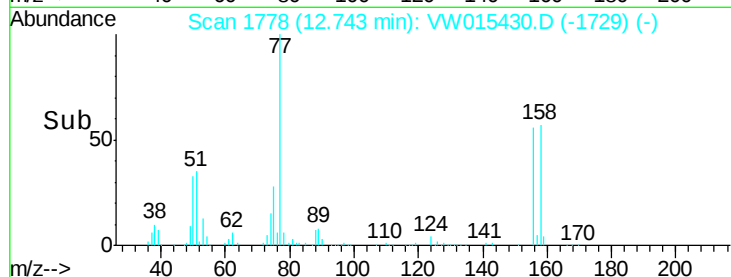
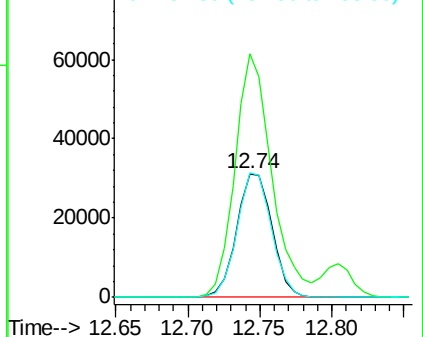
158 98.4 48.3 144.8



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: 20.609 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW015430.D

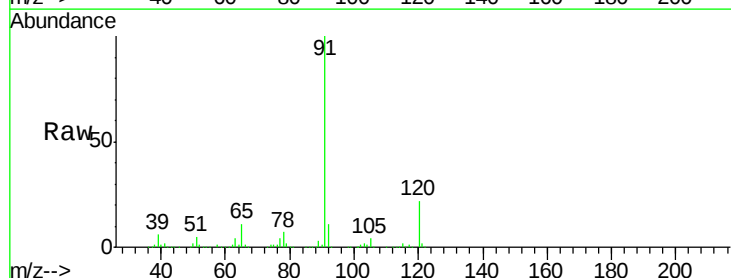
Acq: 15 May 2020 13:35

Tgt Ion: 91 Resp: 305326

Ion Ratio Lower Upper

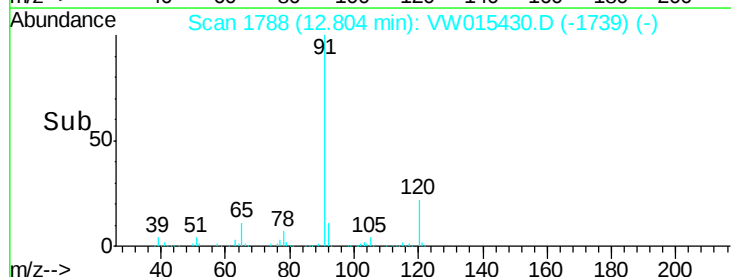
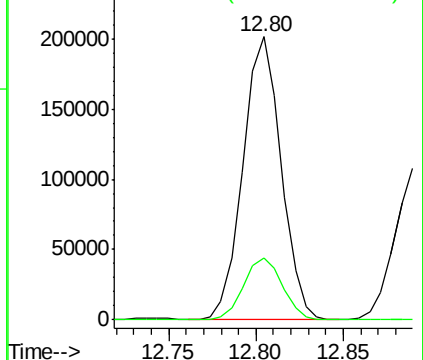
91 100

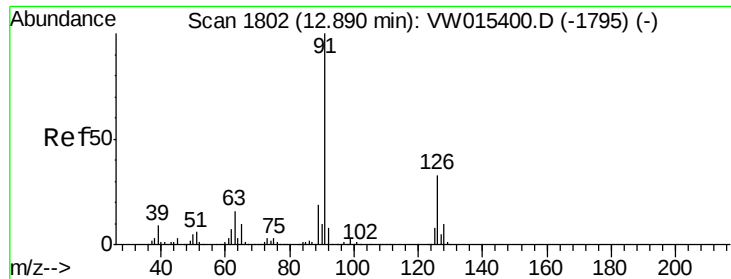
120 22.3 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.564 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :

MSVOA_W

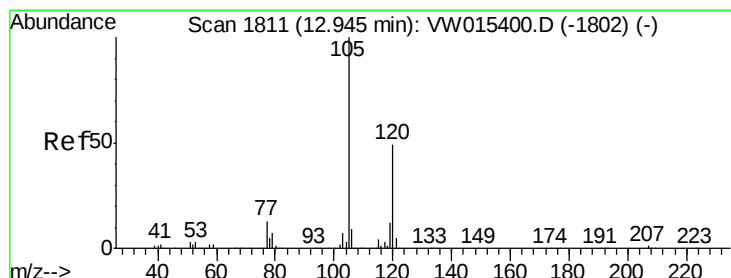
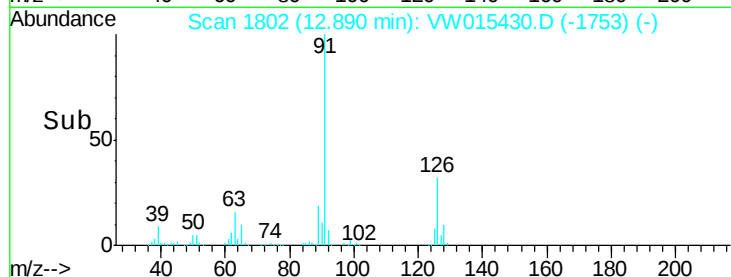
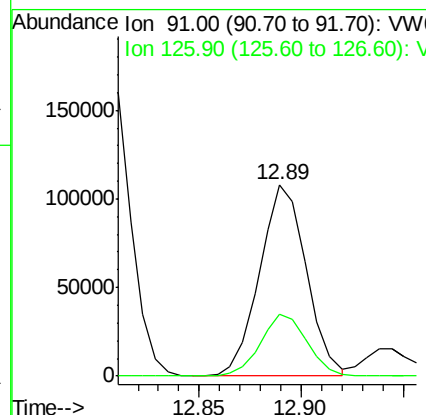
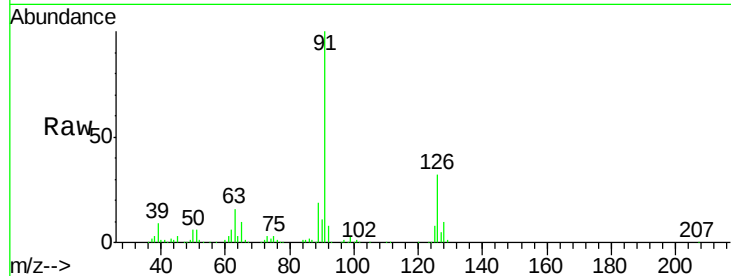
ClientSampleId :

Tot Ion: 91 Resp: 171733

Ion Ratio Lower Upper

91 100

126 32.3 16.1 48.2



#80

1,3,5-Trimethylbenzene

Concen: 20.349 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW015430.D

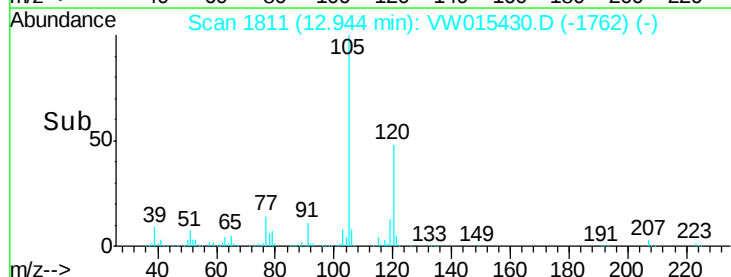
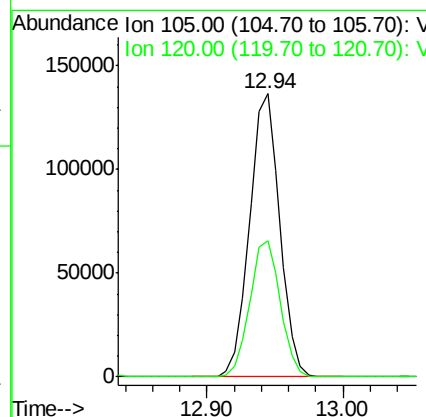
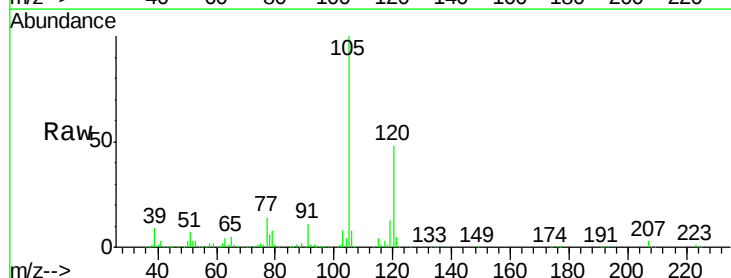
Acq: 15 May 2020 13:35

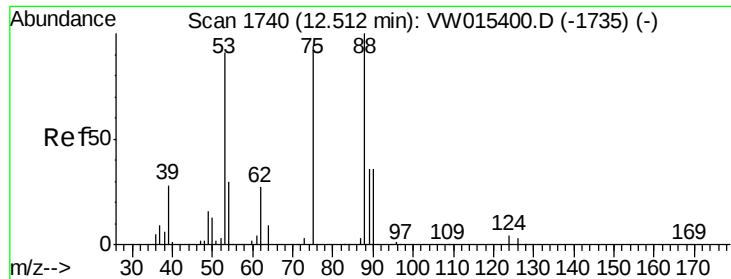
Tgt Ion:105 Resp: 211660

Ion Ratio Lower Upper

105 100

120 48.8 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.767 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

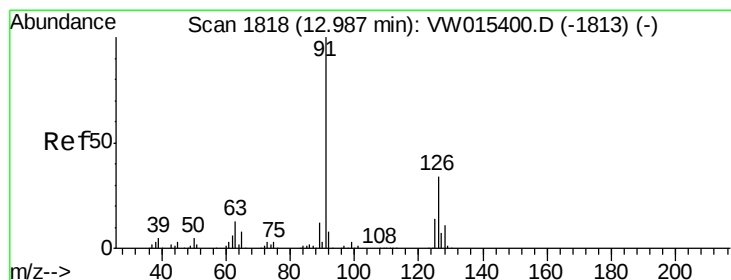
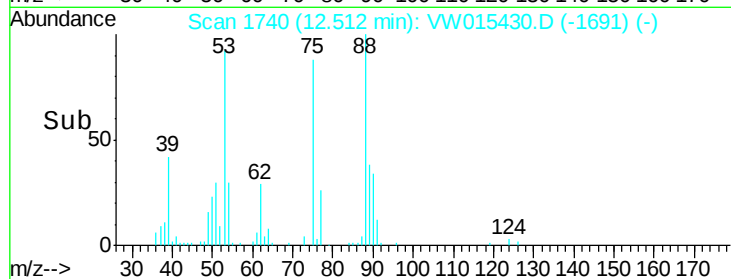
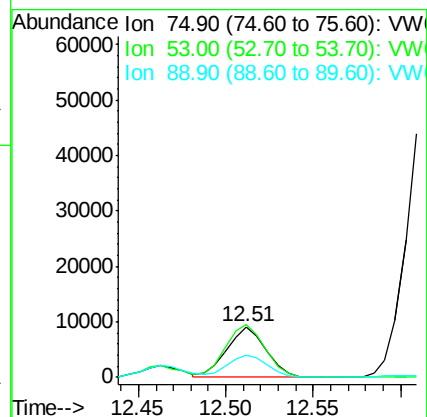
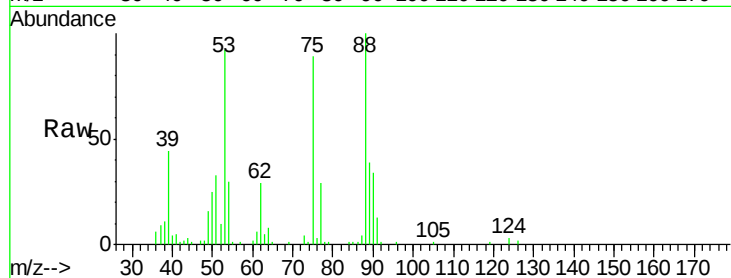
Tot Ion: 75 Resp: 14286

Ion Ratio Lower Upper

75 100

53 104.8 82.5 123.7

89 43.9 35.8 53.8



#82

4-Chlorotoluene

Concen: 20.643 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW015430.D

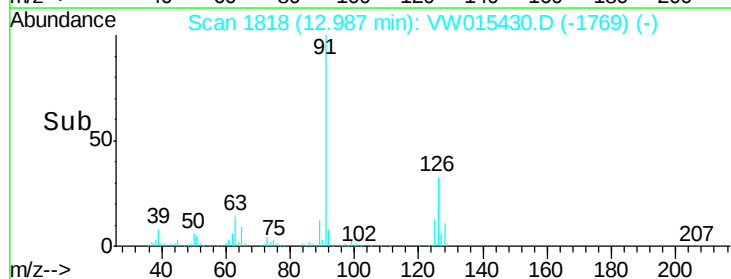
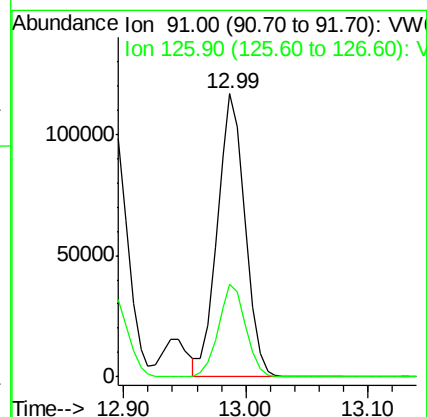
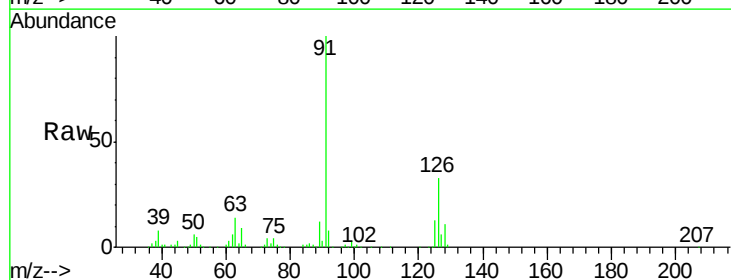
Acq: 15 May 2020 13:35

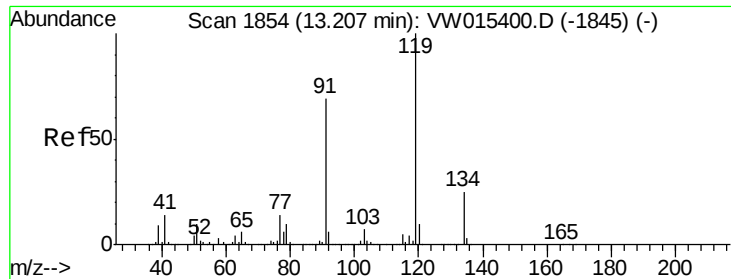
Tgt Ion: 91 Resp: 182702

Ion Ratio Lower Upper

91 100

126 32.3 16.0 47.9





#83

tert-Butylbenzene

Concen: 20.704 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :

MSVOA_W

ClientSampled :

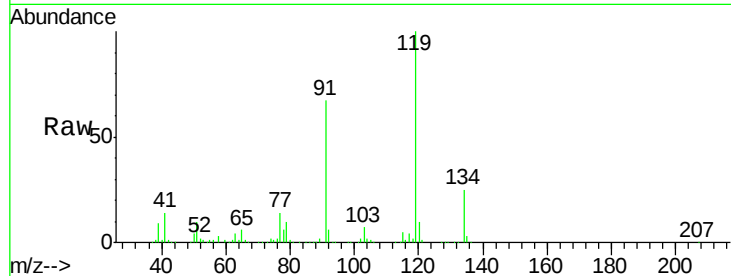
Tot Ion:119 Resp: 183751

Ion Ratio Lower Upper

119 100

91 67.2 33.8 101.4

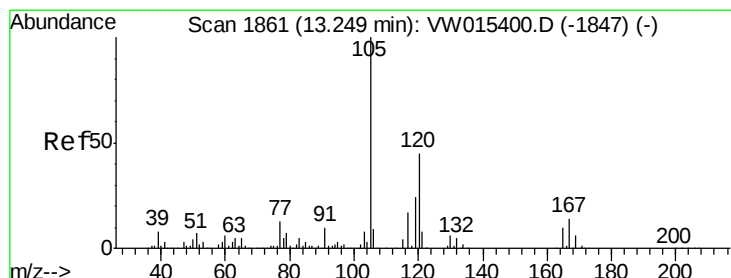
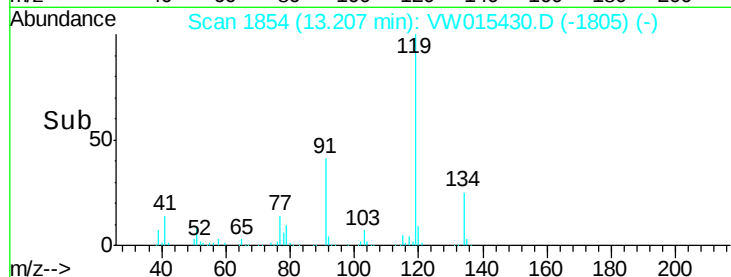
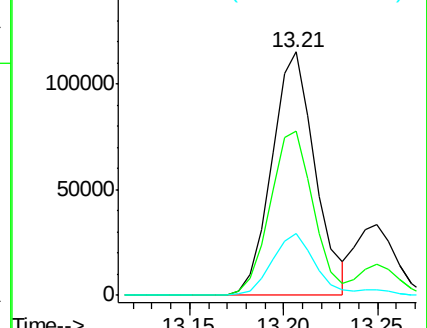
134 25.0 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.376 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW015430.D

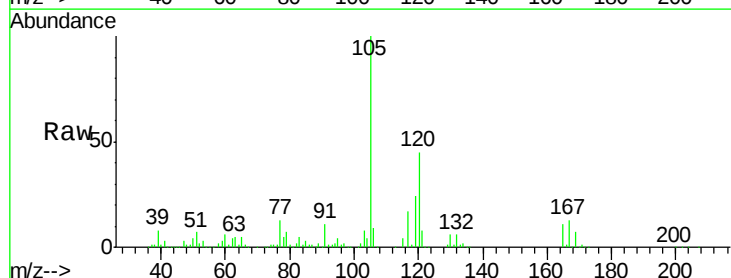
Acq: 15 May 2020 13:35

Tgt Ion:105 Resp: 212025

Ion Ratio Lower Upper

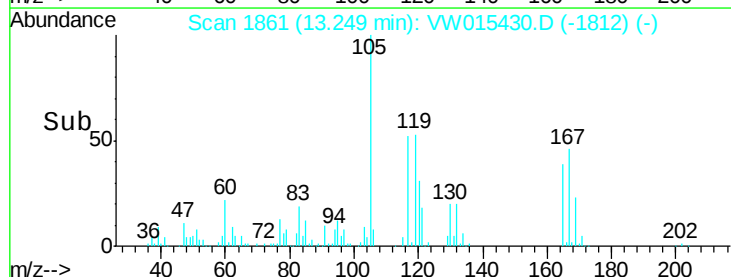
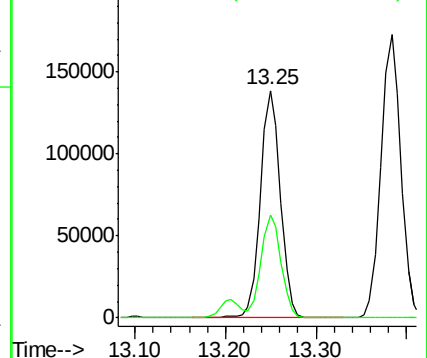
105 100

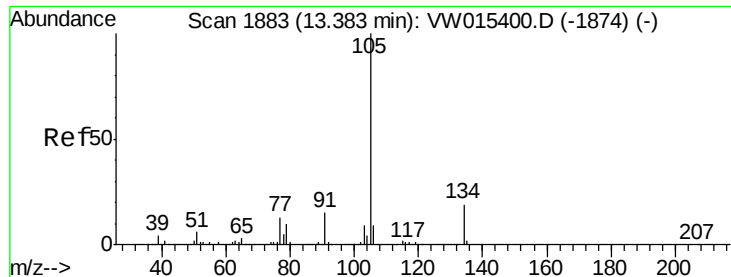
120 45.0 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.964 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :

MSVOA_W

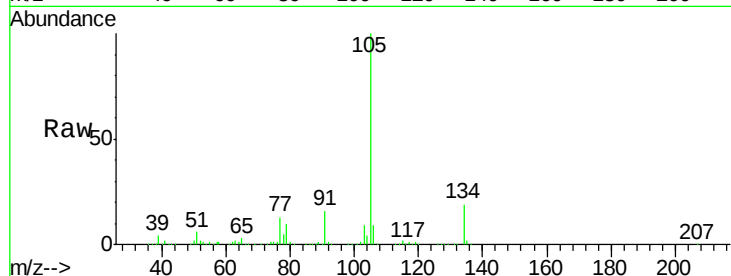
ClientSampleId :

Tot Ion:105 Resp: 262153

Ion Ratio Lower Upper

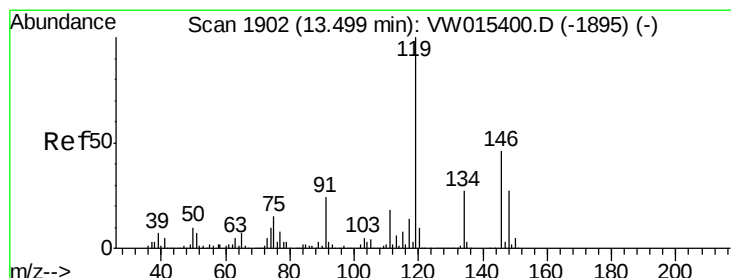
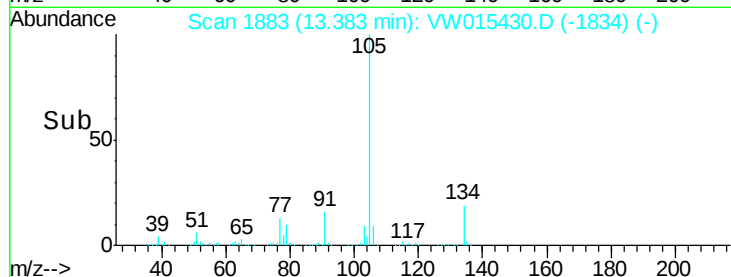
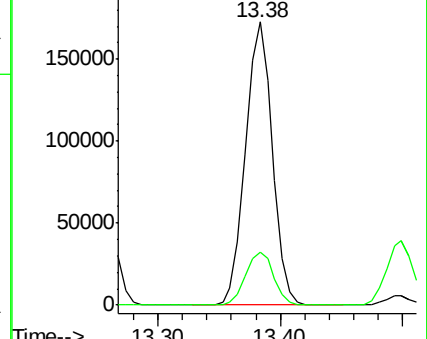
105 100

134 19.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.431 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

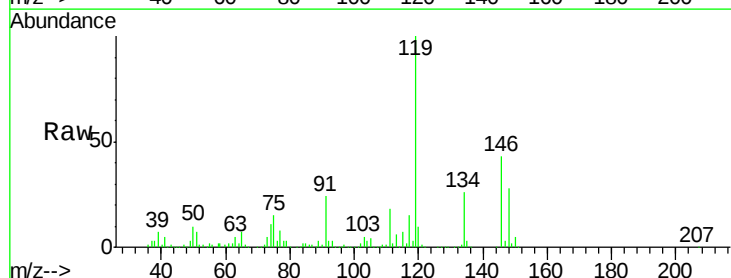
Tgt Ion:119 Resp: 233018

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.4

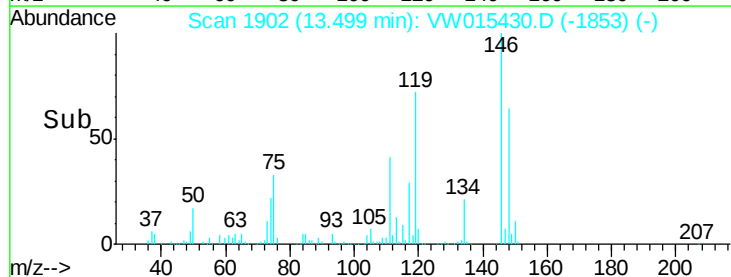
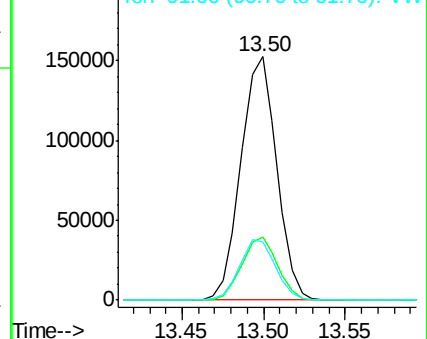
91 24.9 12.1 36.3

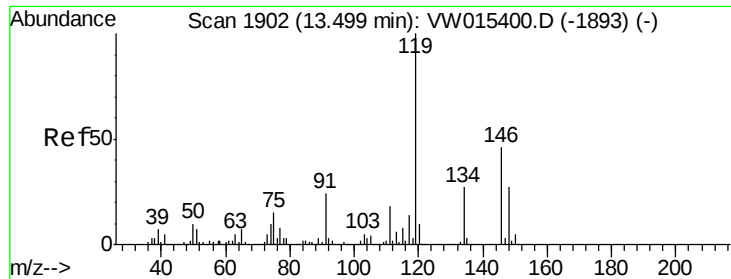


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

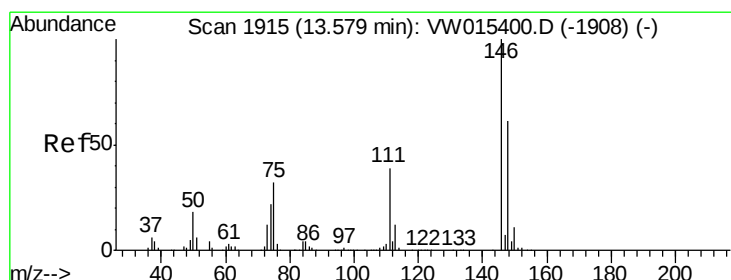
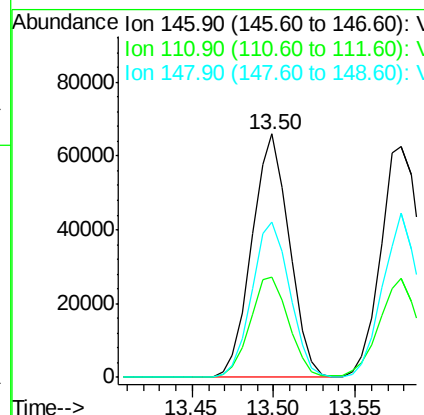
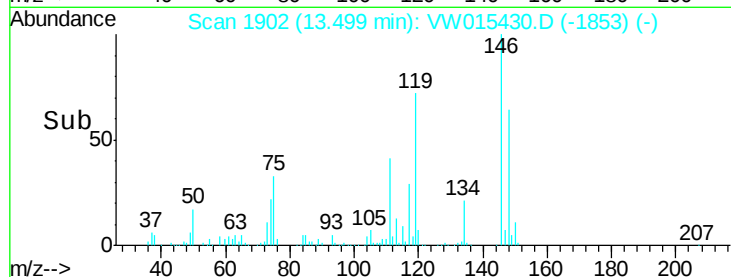
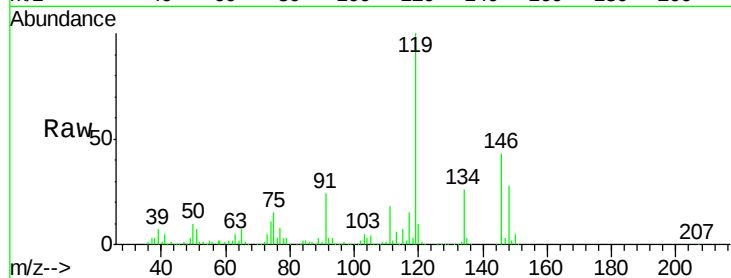




#87
 1,3-Dichlorobenzene
 Concen: 20.295 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015430.D
 Acq: 15 May 2020 13:35

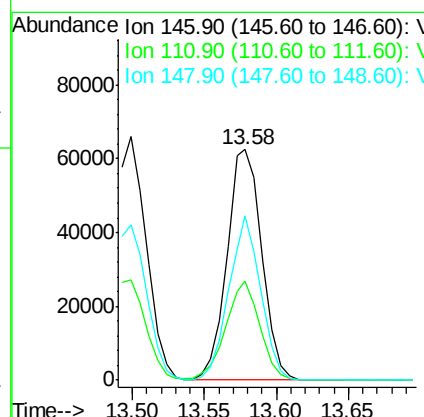
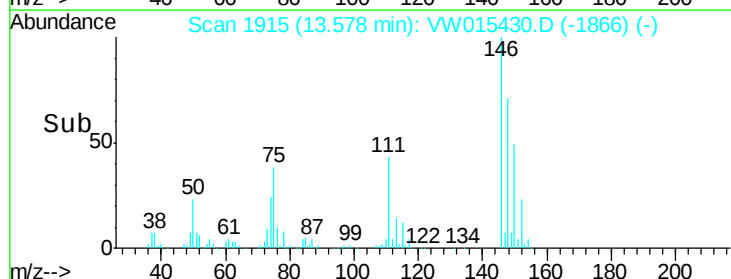
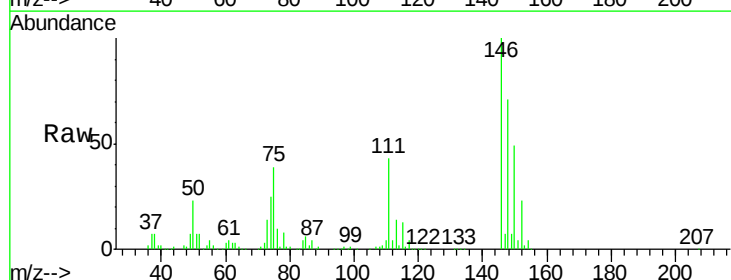
Instrument :
 MSVOA_W
 ClientSampleId :

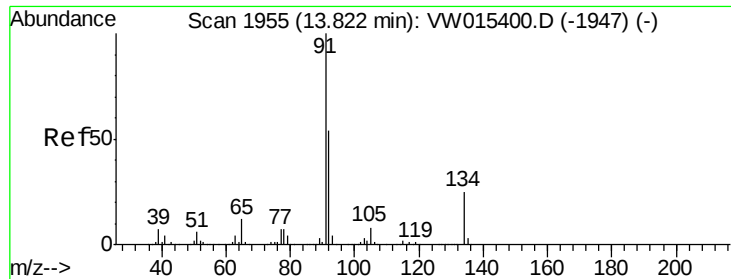
Tot Ion:146 Resp: 105792
 Ion Ratio Lower Upper
 146 100
 111 42.6 20.5 61.5
 148 64.5 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 20.476 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015430.D
 Acq: 15 May 2020 13:35

Tgt Ion:146 Resp: 105709
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.0 60.0
 148 65.4 31.4 94.3

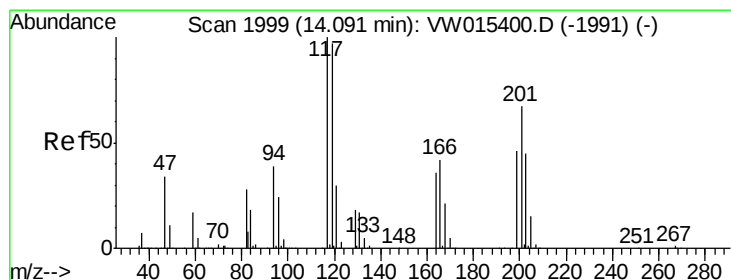
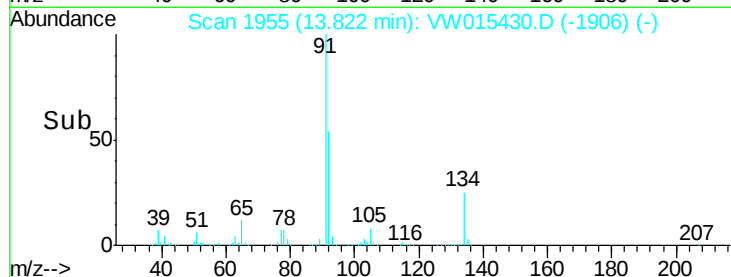
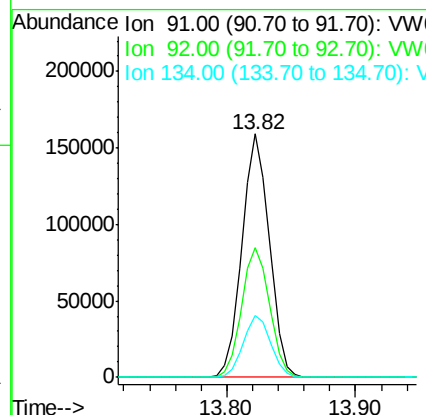
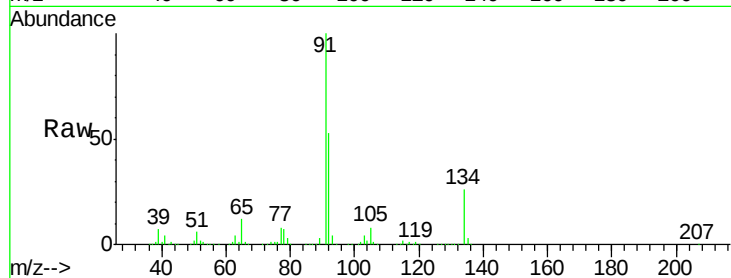




#89
n-Butylbenzene
Concen: 20.904 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

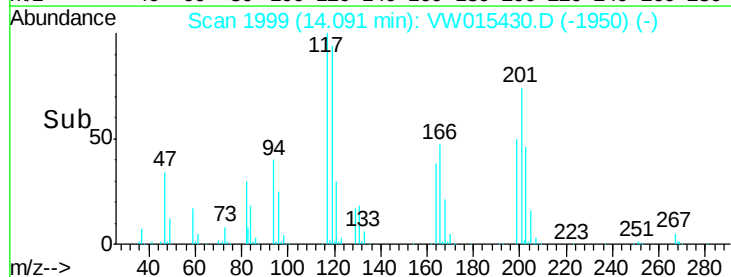
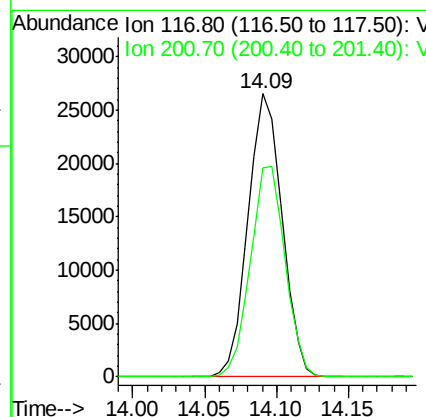
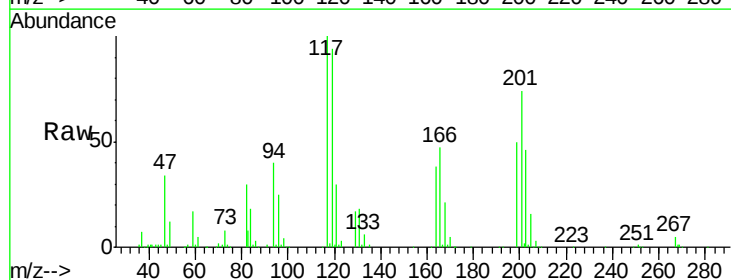
Instrument :
MSVOA_W
ClientSampleId :

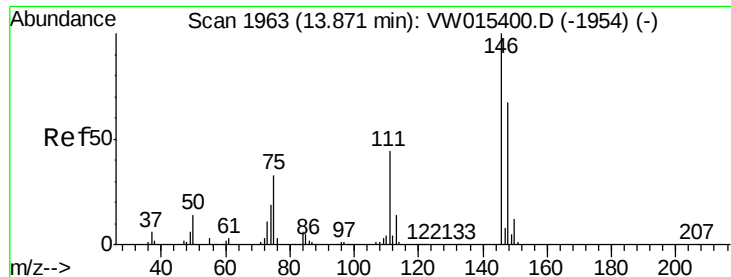
Tot Ion: 91 Resp: 233401
Ion Ratio Lower Upper
91 100
92 54.3 27.2 81.6
134 25.6 12.6 37.6



#90
Hexachloroethane
Concen: 20.713 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

Tgt Ion: 117 Resp: 43534
Ion Ratio Lower Upper
117 100
201 75.5 35.9 107.8





#91

1,2-Dichlorobenzene

Concen: 20.953 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

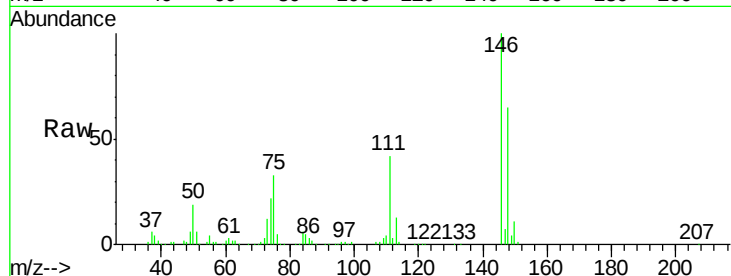
Tot Ion:146 Resp: 94569

Ion Ratio Lower Upper

146 100

111 43.3 22.1 66.3

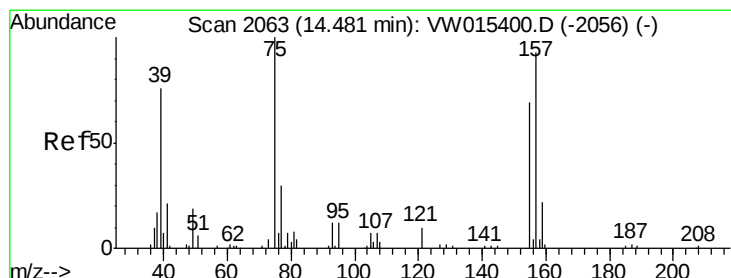
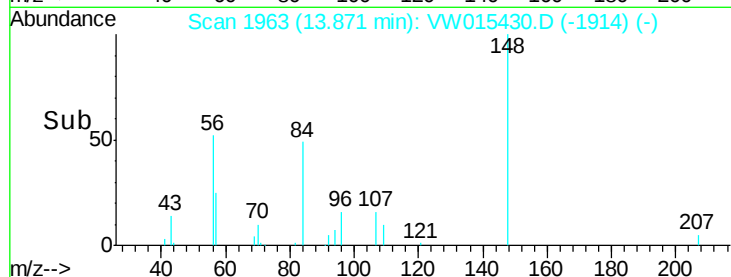
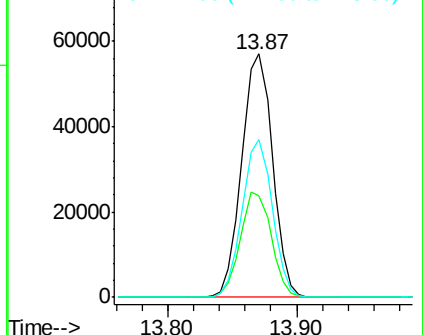
148 63.3 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.068 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW015430.D

Acq: 15 May 2020 13:35

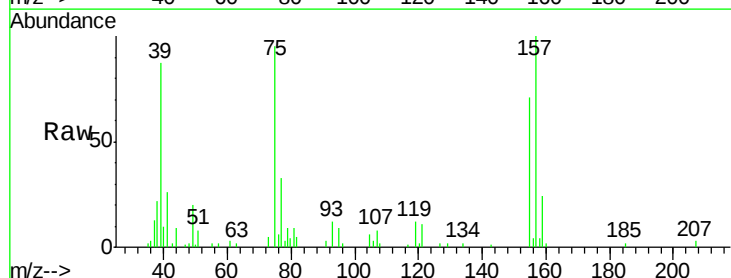
Tgt Ion: 75 Resp: 7105

Ion Ratio Lower Upper

75 100

155 76.8 38.7 116.1

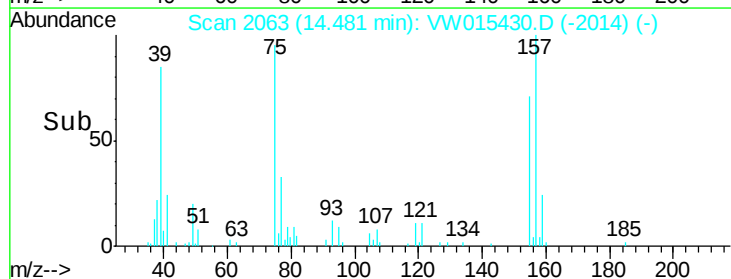
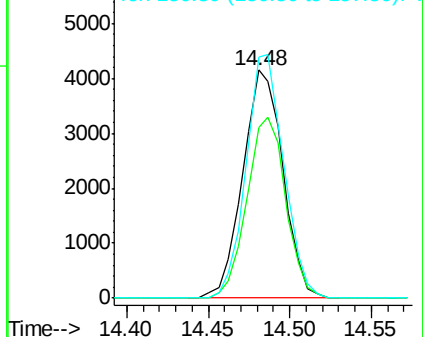
157 100.7 48.1 144.4

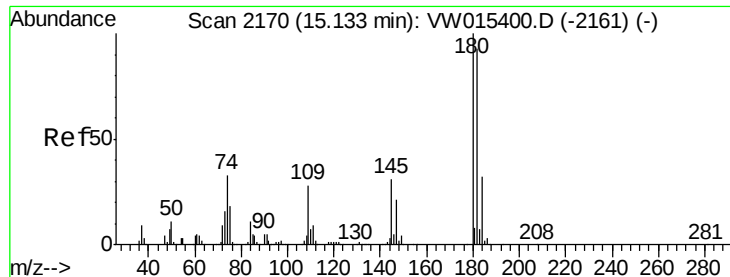


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

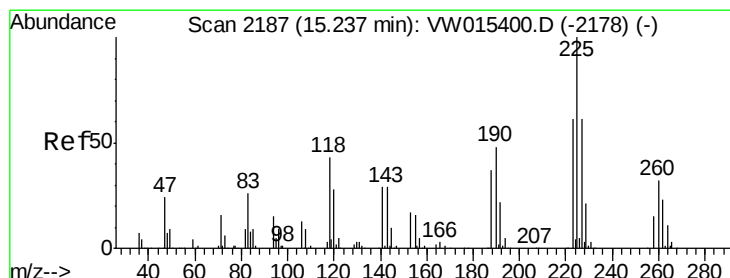
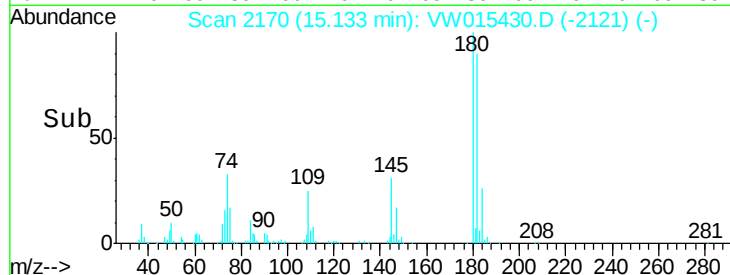
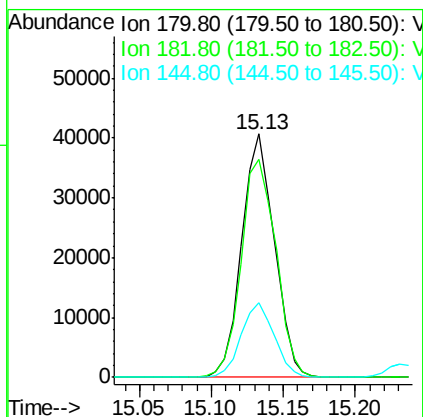
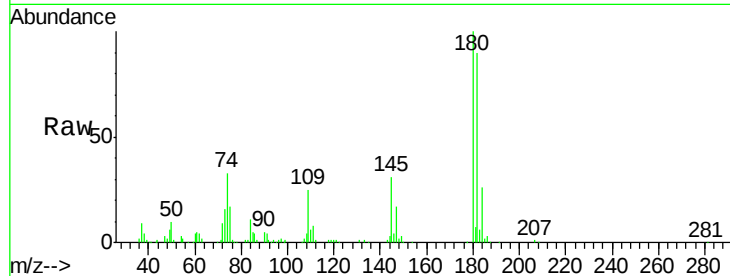




#93
 1,2,4-Trichlorobenzene
 Concen: 21.054 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015430.D
 Acq: 15 May 2020 13:35

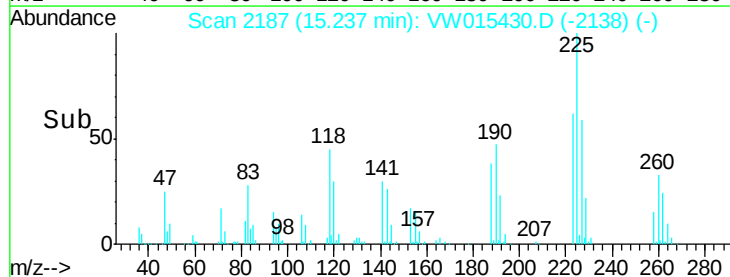
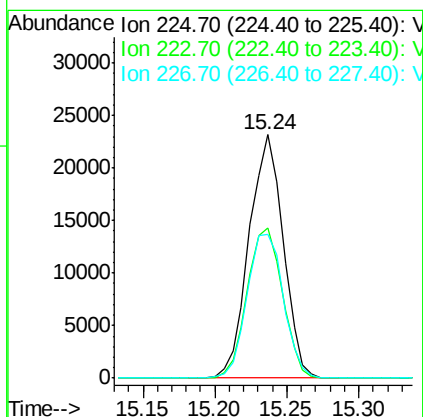
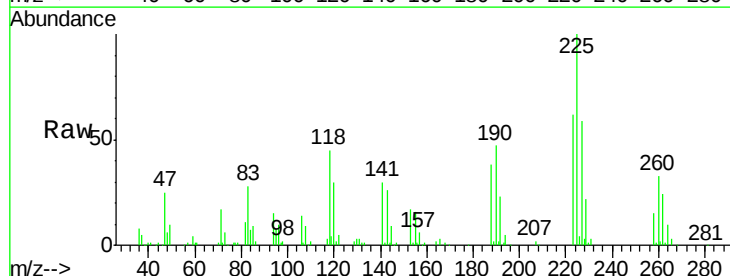
Instrument :
 MSVOA_W
 ClientSampled :

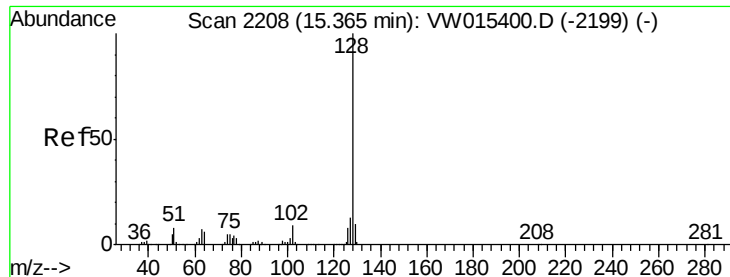
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.2	141.6
145	31.1	15.6	46.8



#94
 Hexachlorobutadiene
 Concen: 21.055 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW015430.D
 Acq: 15 May 2020 13:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	30.7	92.1
227	63.2	32.0	96.0

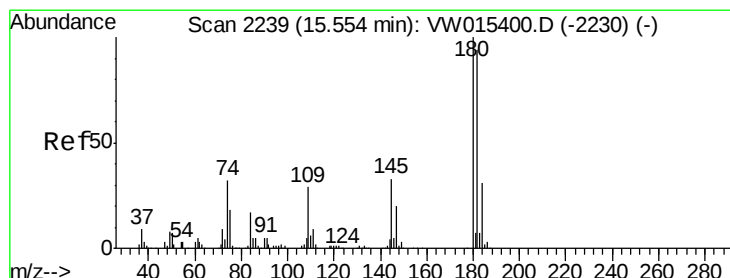
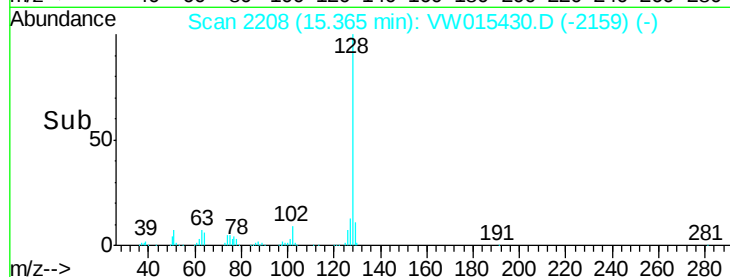
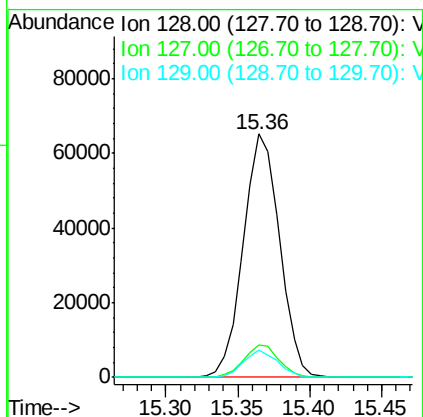
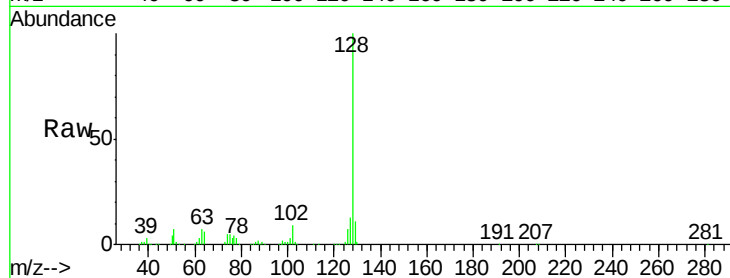




#95
Naphthalene
Concen: 20.963 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 113906
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.5 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.650 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW015430.D
Acq: 15 May 2020 13:35

Tgt Ion:180 Resp: 53823
Ion Ratio Lower Upper
180 100
182 94.8 47.6 142.8
145 32.5 16.3 48.8

