

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015409.D
 Acq On : 06 May 2020 12:23
 Operator : SY/VA
 Sample : L2182-01 2.5PPBL0D
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 07 03:10:59 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	222863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	369717	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	332762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159478	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	125762	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
35) Dibromofluoromethane	7.88	113	107963	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	10.32	98	449911	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.62	95	163028	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	3109	2.413	ug/l	97
3) Chloromethane	2.21	50	4515	2.799	ug/l	89
4) Vinyl Chloride	2.36	62	5945	2.434	ug/l	97
5) Bromomethane	2.78	94	4914	2.568	ug/l	94
6) Chloroethane	2.92	64	4088	2.428	ug/l	95
7) Trichlorofluoromethane	3.26	101	3737	2.086	ug/l	99
8) Diethyl Ether	3.68	74	3113	2.780	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	4.06	101	5363	2.582	ug/l	96
10) Methyl Iodide	4.27	142	8001	2.546	ug/l	97
11) Tert butyl alcohol	5.18	59	2849	20.167	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	5608	2.603	ug/l	96
13) Acrolein	3.89	56	2437	13.509	ug/l	86
14) Allyl chloride	4.66	41	9607	2.545	ug/l	96
15) Acrylonitrile	5.37	53	6153	13.502	ug/l	99
16) Acetone	4.12	43	7106	18.672	ug/l	93
17) Carbon Disulfide	4.37	76	16335	2.473	ug/l	98
18) Methyl Acetate	4.67	43	2727	2.699	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	9451	2.731	ug/l	97
20) Methylene Chloride	4.92	84	7091	2.856	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	6377	2.608	ug/l	95
22) Diisopropyl ether	6.31	45	18809	2.550	ug/l	90
23) Vinyl Acetate	6.26	43	55148	12.301	ug/l	97
24) 1,1-Dichloroethane	6.21	63	11443	2.588	ug/l	98
25) 2-Butanone	7.18	43	8905	15.012	ug/l	94
26) 2,2-Dichloropropane	7.17	77	8393	2.864	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	6824	2.570	ug/l	95
28) Bromochloromethane	7.51	49	4468	2.513	ug/l #	99
29) Tetrahydrofuran	7.53	42	5679	14.547	ug/l	95
30) Chloroform	7.68	83	11292	2.570	ug/l	92
31) Cyclohexane	7.95	56	16388	3.650	ug/l #	65
32) 1,1,1-Trichloroethane	7.87	97	9372	2.538	ug/l	97
36) 1,1-Dichloropropene	8.08	75	9122	2.511	ug/l	97
37) Ethyl Acetate	7.26	43	3998	2.837	ug/l	99
38) Carbon Tetrachloride	8.07	117	8530	2.512	ug/l	97

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 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)
39) Methylcyclohexane	9.34	83	11999	2.610	ug/l	96
40) Benzene	8.32	78	25440	2.568	ug/l	99
41) Methacrylonitrile	7.48	41	2180	2.448	ug/l #	88
42) 1,2-Dichloroethane	8.40	62	8192	2.715	ug/l	98
43) Isopropyl Acetate	8.42	43	8024	2.707	ug/l	98
44) Trichloroethene	9.09	130	6640	2.586	ug/l	95
45) 1,2-Dichloropropane	9.37	63	6252	2.555	ug/l	98
46) Dibromomethane	9.46	93	3168	2.603	ug/l	96
47) Bromodichloromethane	9.65	83	8372	2.524	ug/l	97
48) Methyl methacrylate	9.44	41	3565	2.604	ug/l	98
49) 1,4-Dioxane	9.45	88	909	59.341	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	18970	13.656	ug/l	97
52) Toluene	10.39	92	16929	2.630	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	8399	2.480	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	9757	2.447	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	4536	2.635	ug/l	97
56) Ethyl methacrylate	10.65	69	5846	2.472	ug/l	93
57) 1,3-Dichloropropane	10.93	76	7771	2.511	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	13242	11.509	ug/l	98
59) 2-Hexanone	10.97	43	12678	13.488	ug/l	95
60) Dibromochloromethane	11.13	129	5006	2.418	ug/l	99
61) 1,2-Dibromoethane	11.24	107	4215	2.586	ug/l	100
64) Tetrachloroethene	10.86	164	5659	2.782	ug/l	94
65) Chlorobenzene	11.65	112	17180	2.619	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	5830	2.506	ug/l	100
67) Ethyl Benzene	11.73	91	32323	2.574	ug/l	97
68) m/p-Xylenes	11.83	106	24123	5.167	ug/l	98
69) o-Xylene	12.16	106	10952	2.496	ug/l	98
70) Styrene	12.18	104	18102	2.396	ug/l	99
71) Bromoform	12.34	173	2768	2.440	ug/l #	96
73) Isopropylbenzene	12.46	105	30951	2.600	ug/l	100
74) N-amyl acetate	12.27	43	7842	2.786	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	5027	2.699	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	6898	5.258	ug/l #	100
77) Bromobenzene	12.74	156	6839	2.711	ug/l	99
78) n-propylbenzene	12.80	91	37661	2.636	ug/l	100
79) 2-Chlorotoluene	12.89	91	21271	2.642	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	26594	2.652	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	89144	134.403	ug/l #	9
82) 4-Chlorotoluene	12.99	91	22847	2.677	ug/l	100
83) tert-Butylbenzene	13.20	119	22700	2.653	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	26047	2.596	ug/l	99
85) sec-Butylbenzene	13.38	105	31104	2.580	ug/l	99
86) p-Isopropyltoluene	13.50	119	28206	2.565	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	13351	2.656	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	13828	2.778	ug/l	87
89) n-Butylbenzene	13.82	91	27457	2.551	ug/l	99
90) Hexachloroethane	14.09	117	5153	2.543	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	11955	2.747	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	934	2.872	ug/l	93

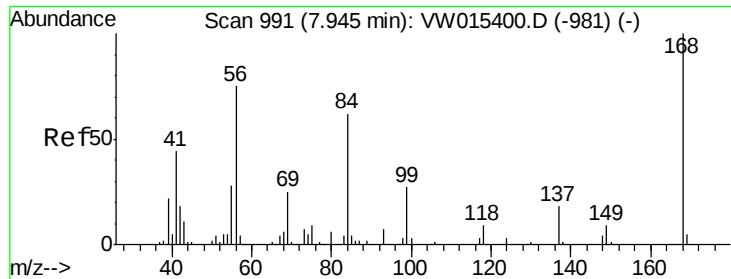
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	7846	2.683	ug/l	98
94) Hexachlorobutadiene	15.24	225	4704	2.714	ug/l	99
95) Naphthalene	15.36	128	13453	2.568	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	6771	2.694	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

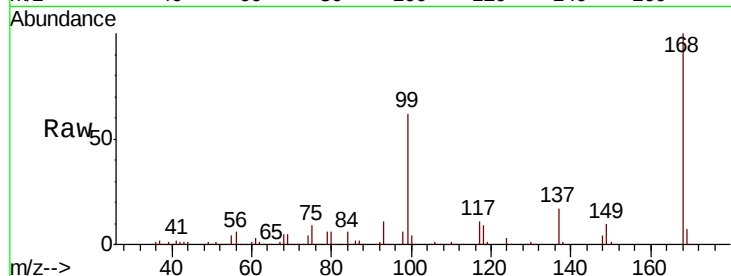
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 222863

Ion Ratio Lower Upper

168 100

99 62.0 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

40000

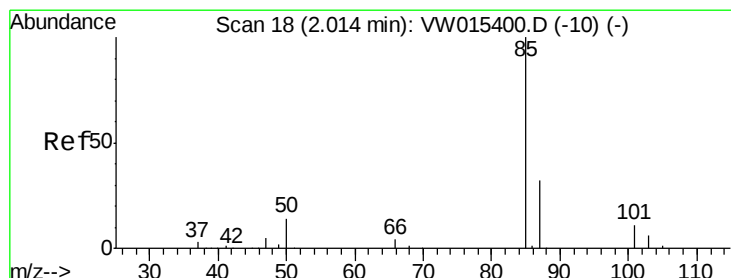
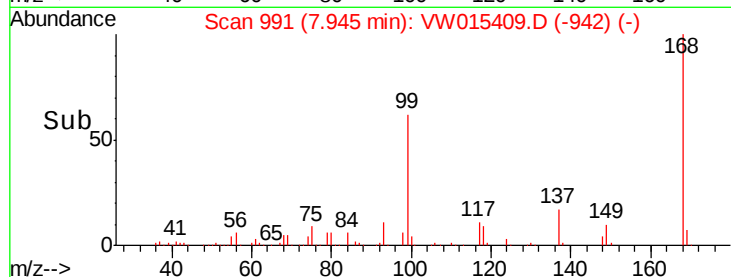
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 2.413 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015409.D

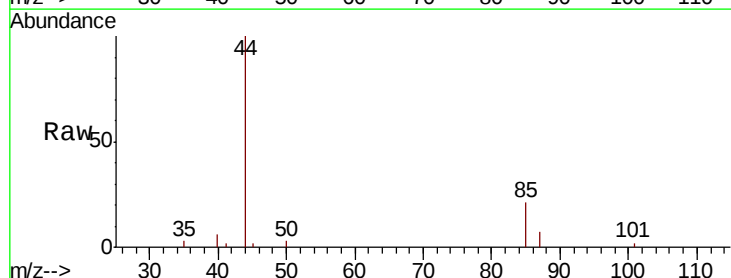
Acq: 06 May 2020 12:23

Tgt Ion: 85 Resp: 3109

Ion Ratio Lower Upper

85 100

87 30.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

1000

800

600

400

200

0

1.95

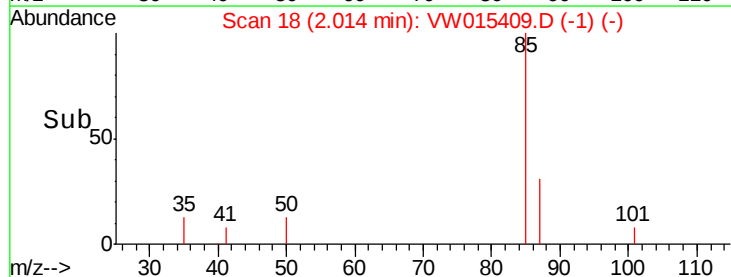
2.00

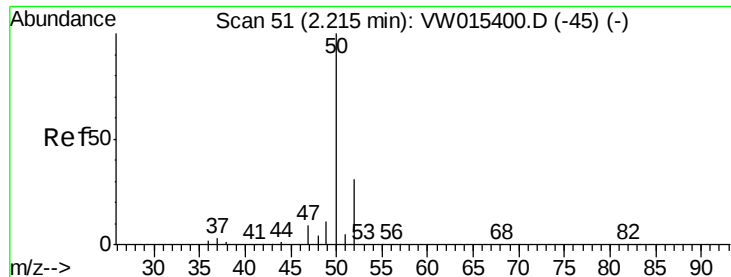
2.05

2.10

2.15

Time-->





#3

Chloromethane

Concen: 2.799 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

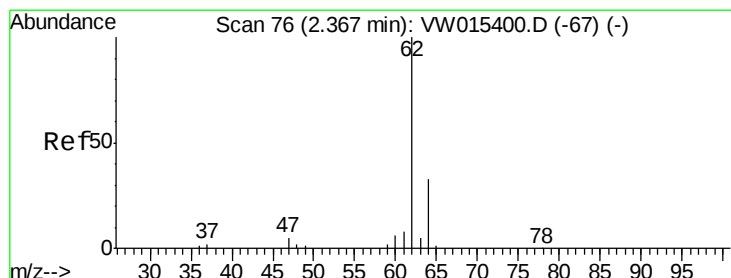
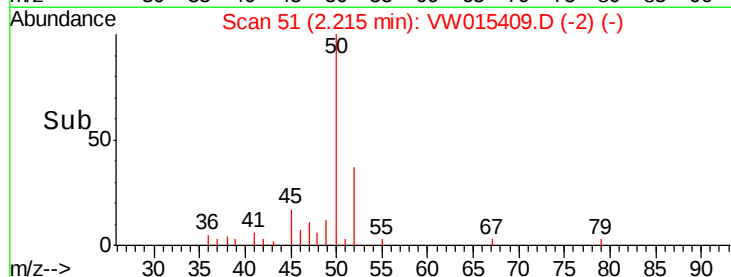
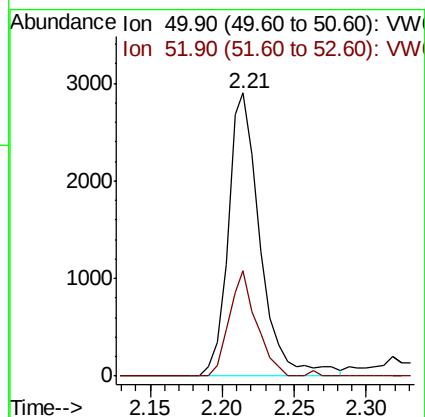
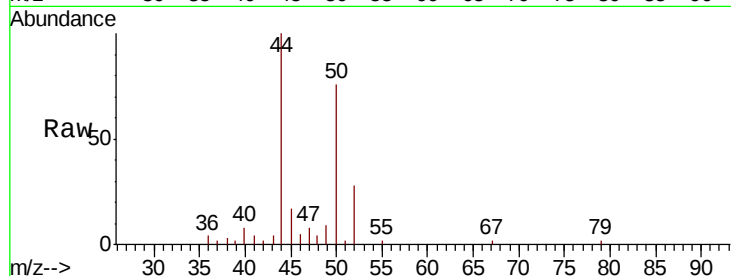
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 4515

Ion Ratio Lower Upper

50 100

52 37.3 25.0 37.6



#4

Vinyl Chloride

Concen: 2.434 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015409.D

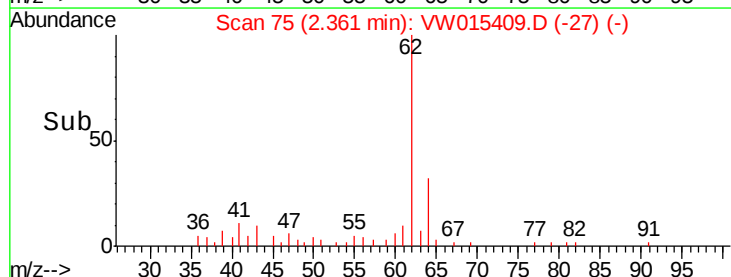
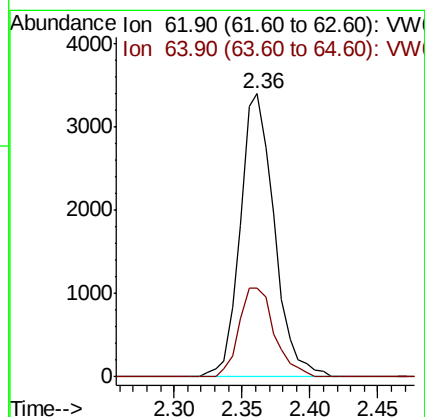
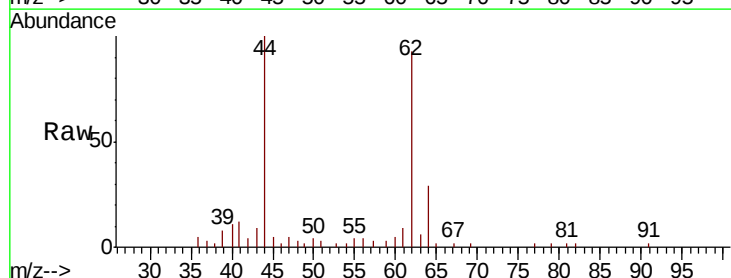
Acq: 06 May 2020 12:23

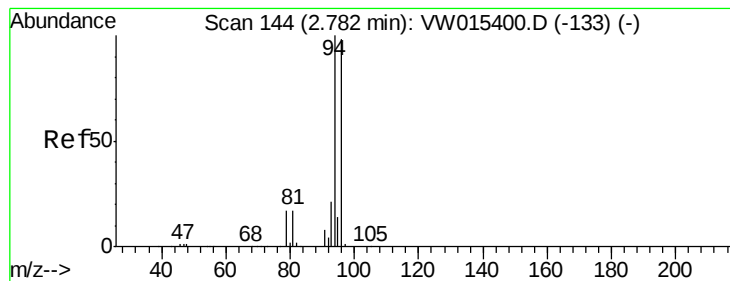
Tgt Ion: 62 Resp: 5945

Ion Ratio Lower Upper

62 100

64 31.6 26.4 39.6





#5

Bromomethane

Concen: 2.568 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

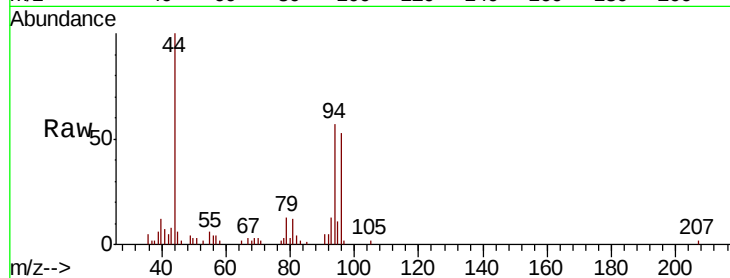
ClientSampled :

Tot Ion: 94 Resp: 4914

Ion Ratio Lower Upper

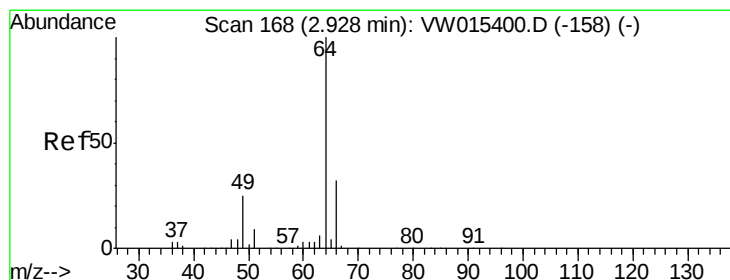
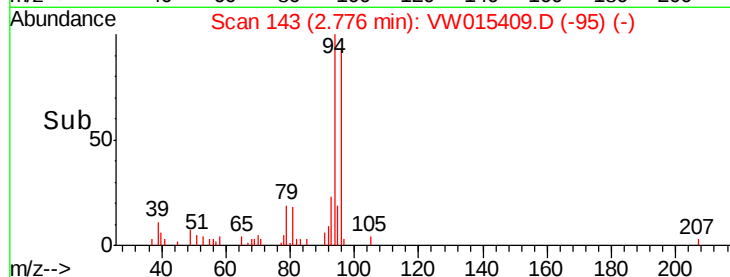
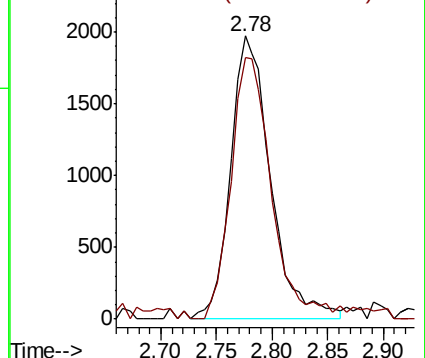
94 100

96 92.6 78.8 118.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 2.428 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015409.D

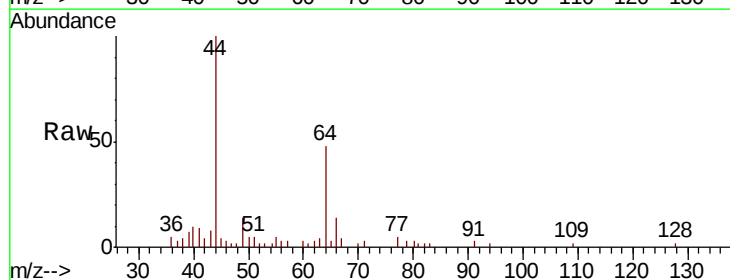
Acq: 06 May 2020 12:23

Tgt Ion: 64 Resp: 4088

Ion Ratio Lower Upper

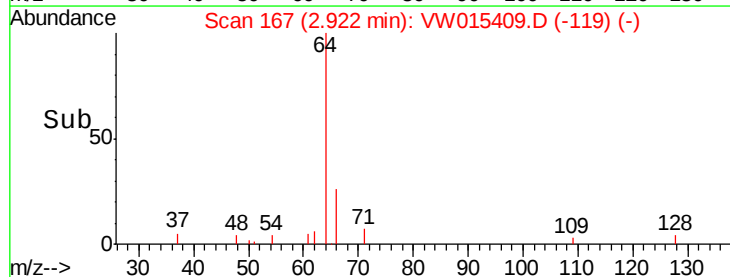
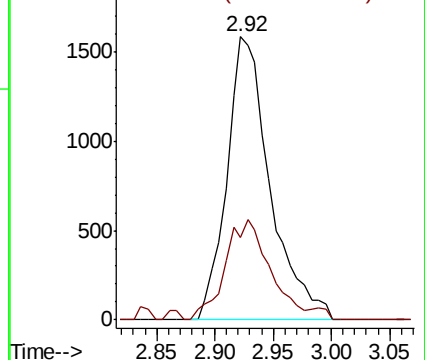
64 100

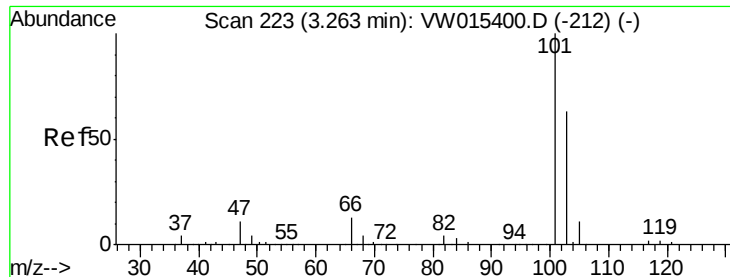
66 29.0 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



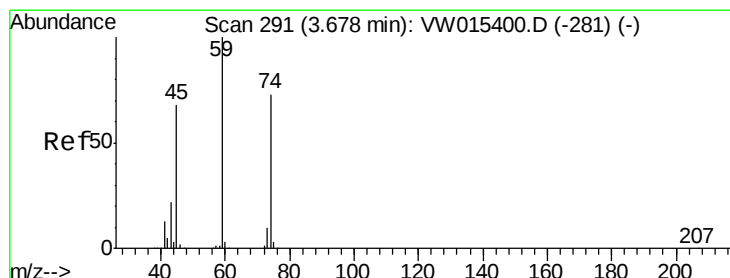
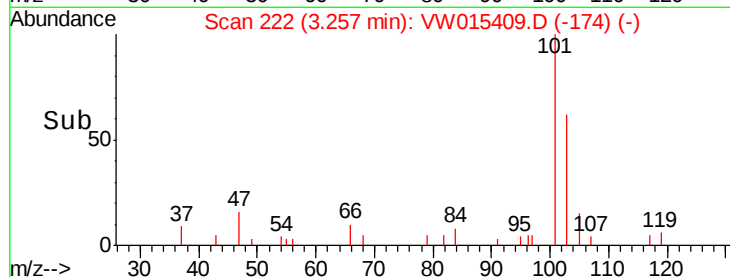
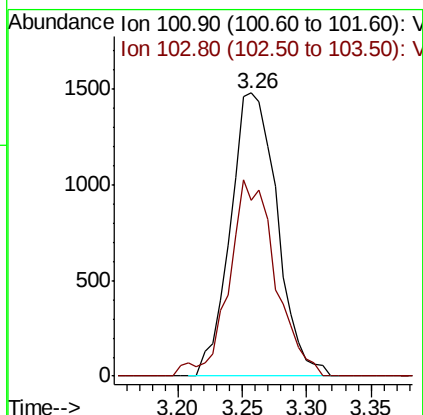
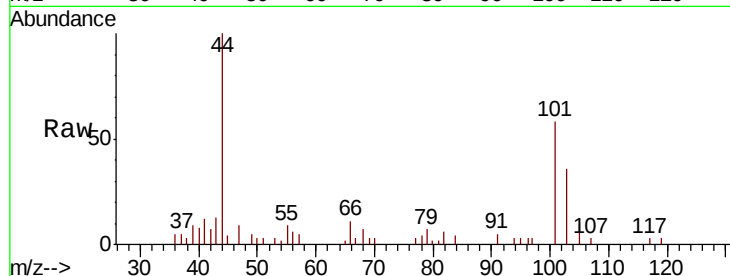


#7

Trichlorofluoromethane
 Concen: 2.086 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW015409.D
 Acq: 06 May 2020 12:23

Instrument :
 MSVOA_W
 ClientSampleId :

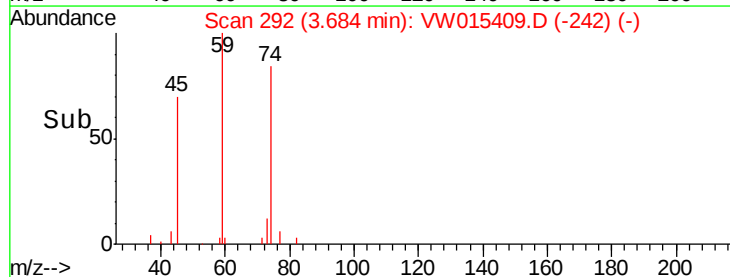
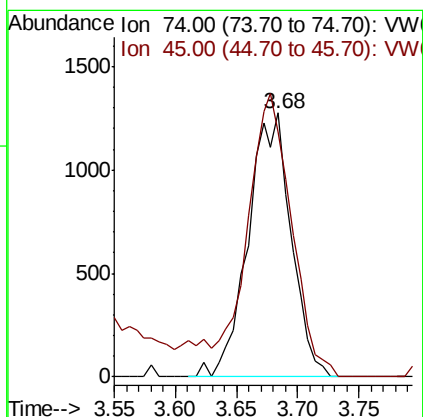
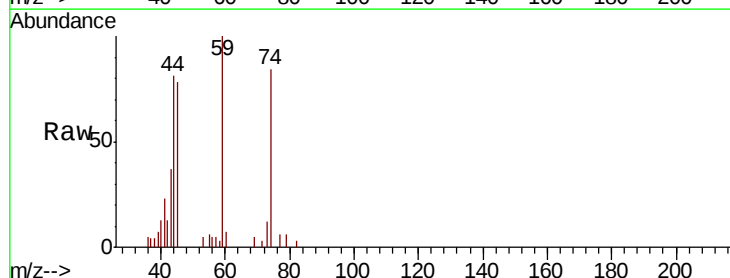
Tot Ion:101 Resp: 3737
 Ion Ratio Lower Upper
 101 100
 103 62.0 50.2 75.4

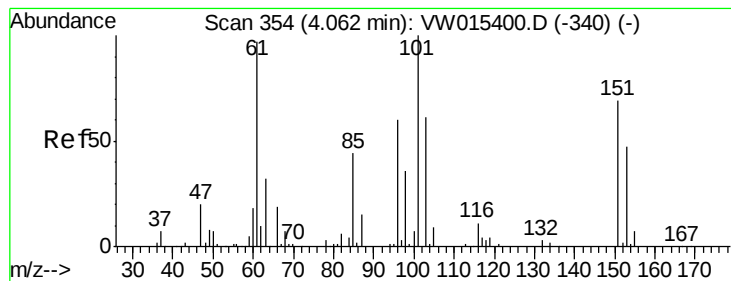


#8

Diethyl Ether
 Concen: 2.780 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW015409.D
 Acq: 06 May 2020 12:23

Tgt Ion: 74 Resp: 3113
 Ion Ratio Lower Upper
 74 100
 45 110.7 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.582 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

ClientSampleId :

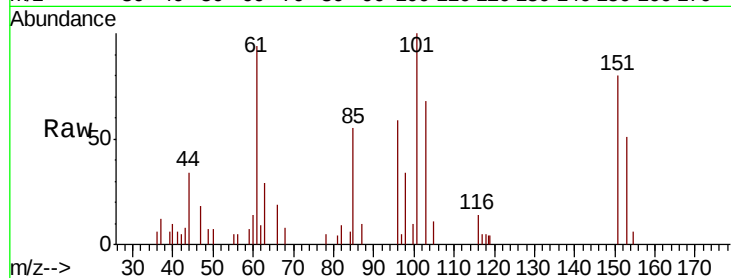
Tot Ion:101 Resp: 5363

Ion Ratio Lower Upper

101 100

85 49.5 37.3 55.9

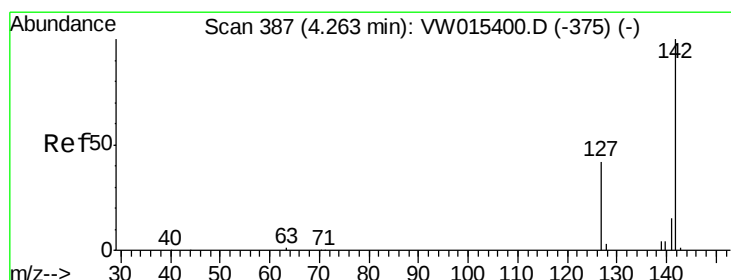
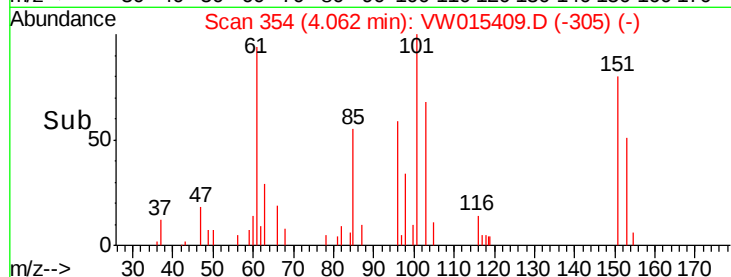
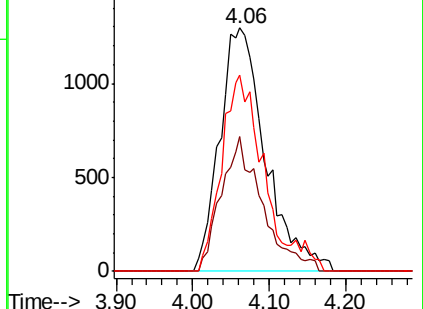
151 70.9 58.9 88.3



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: 2.546 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

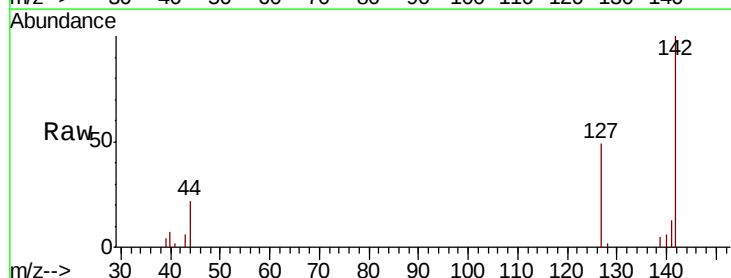
Tgt Ion:142 Resp: 8001

Ion Ratio Lower Upper

142 100

127 46.8 35.4 53.2

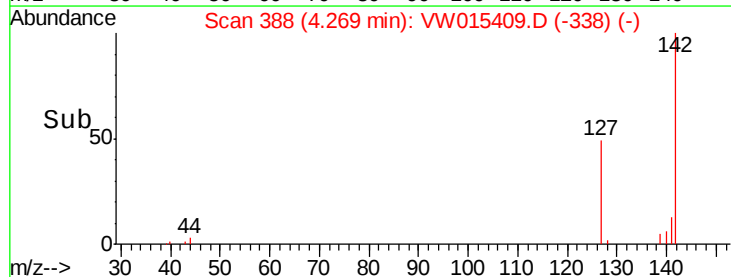
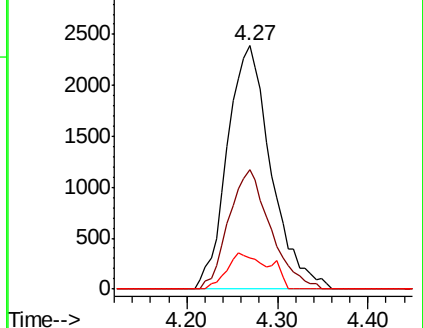
141 14.2 11.7 17.5

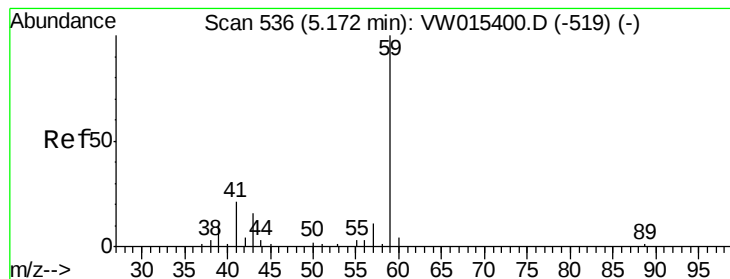


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



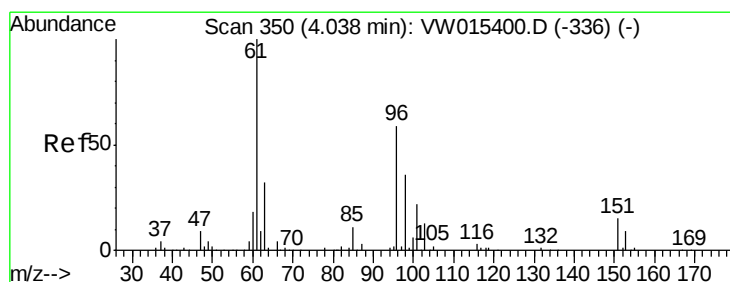
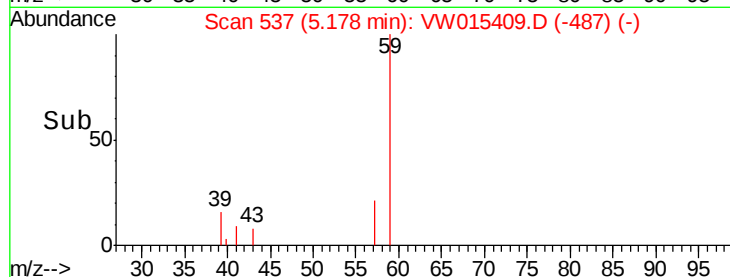
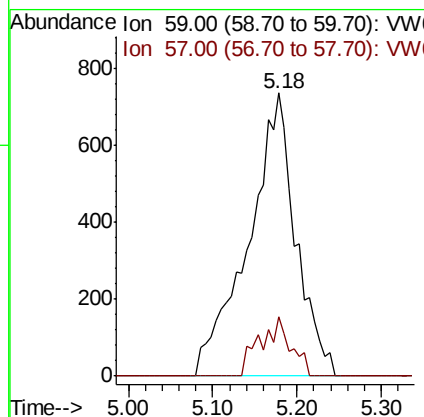
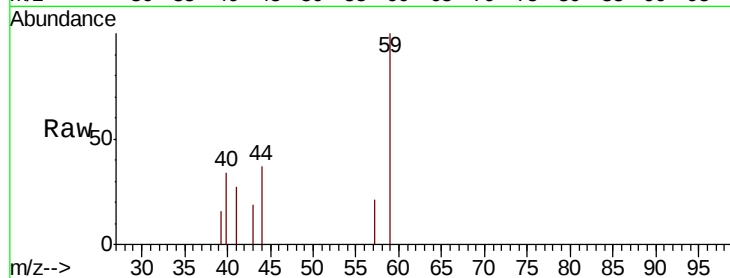


#11

Tert butyl alcohol
 Concen: 20.167 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW015409.D
 Acq: 06 May 2020 12:23

Instrument :
 MSVOA_W
 ClientSampled :

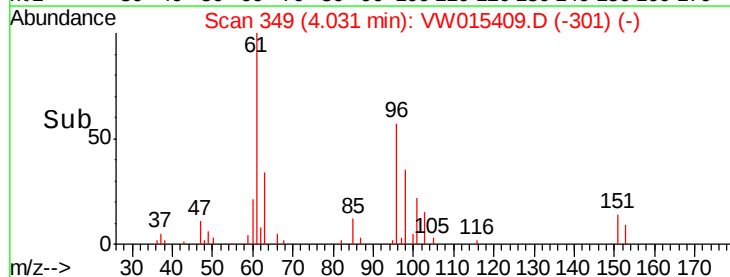
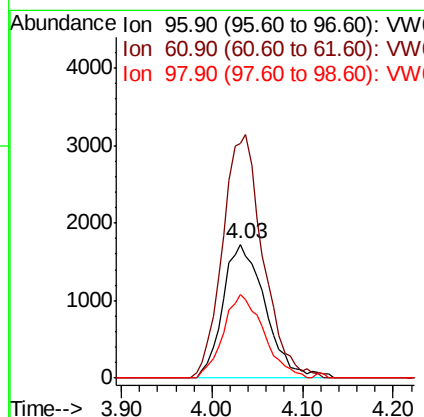
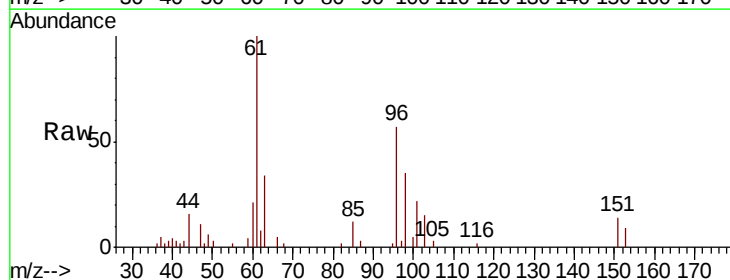
Tot Ion: 59 Resp: 2849
 Ion Ratio Lower Upper
 59 100
 57 13.4 8.6 13.0#

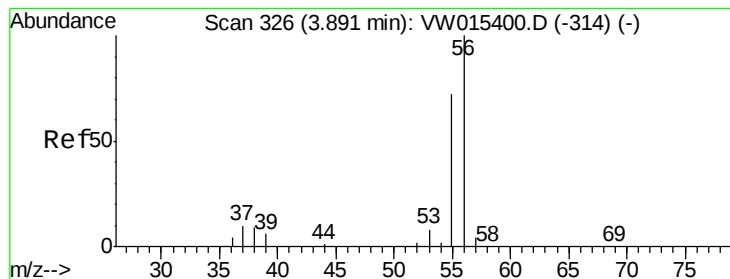


#12

1,1-Dichloroethene
 Concen: 2.603 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW015409.D
 Acq: 06 May 2020 12:23

Tgt Ion: 96 Resp: 5608
 Ion Ratio Lower Upper
 96 100
 61 176.1 135.8 203.8
 98 62.4 48.6 72.8





#13

Acrolein

Concen: 13.509 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

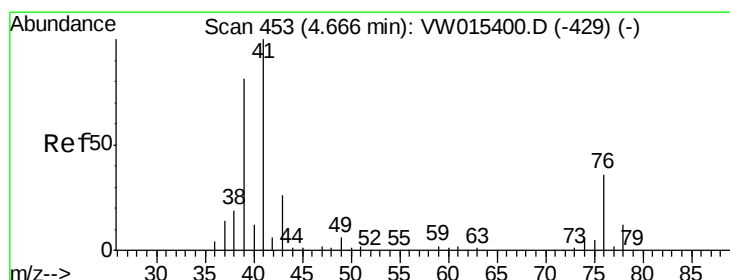
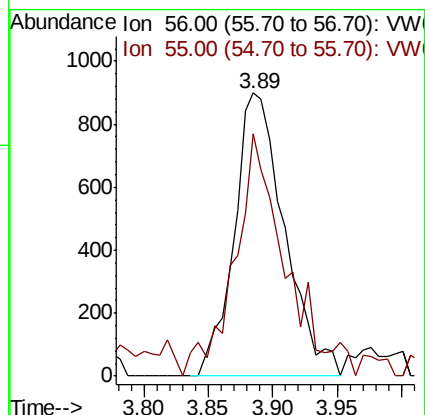
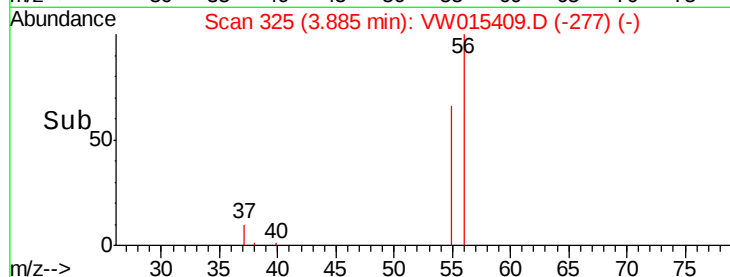
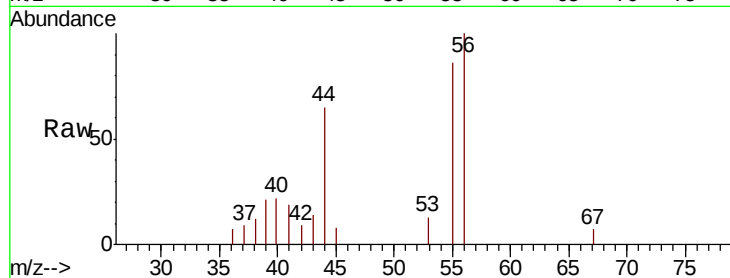
ClientSampleId :

Tot Ion: 56 Resp: 2437

Ion Ratio Lower Upper

56 100

55 82.1 56.4 84.6



#14

Allyl chloride

Concen: 2.545 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

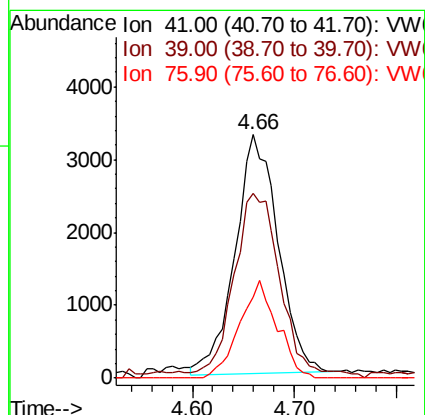
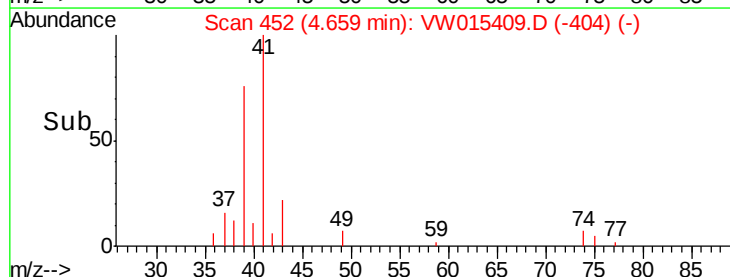
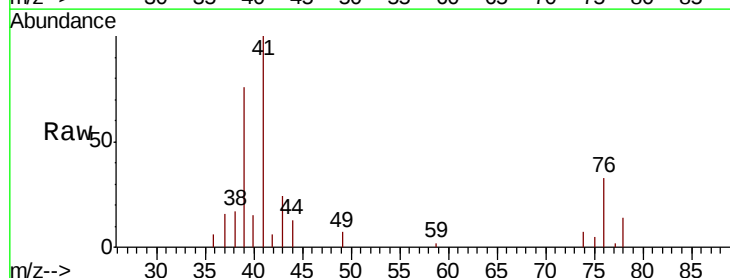
Tgt Ion: 41 Resp: 9607

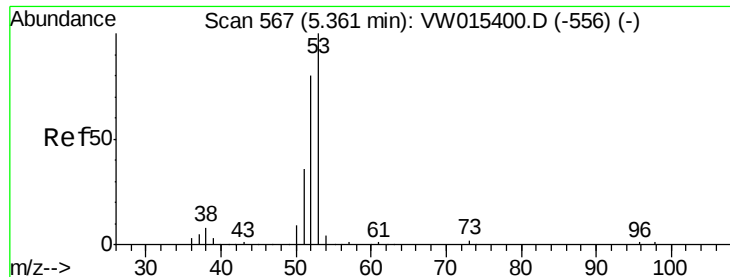
Ion Ratio Lower Upper

41 100

39 84.5 63.6 95.4

76 35.7 28.4 42.6





#15

Acrylonitrile

Concen: 13.502 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

ClientSampleId :

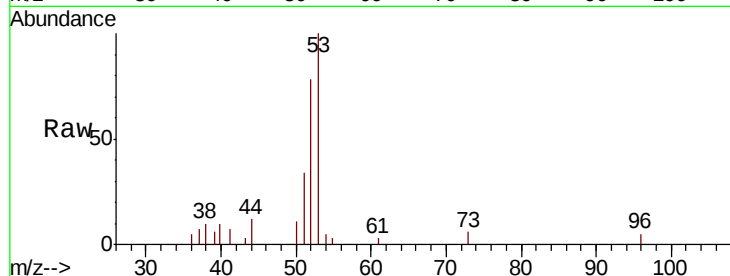
Tot Ion: 53 Resp: 6153

Ion Ratio Lower Upper

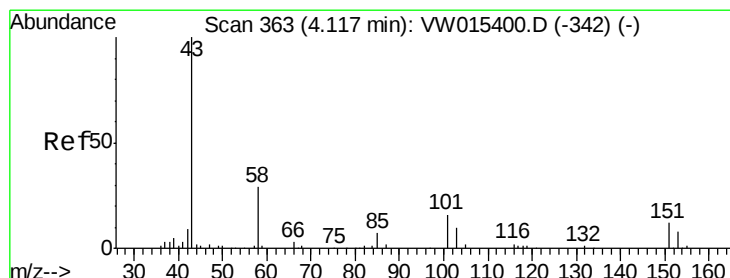
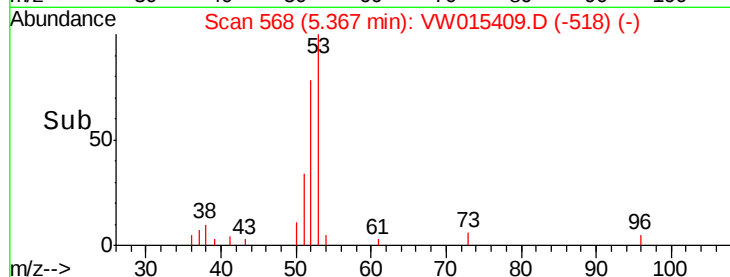
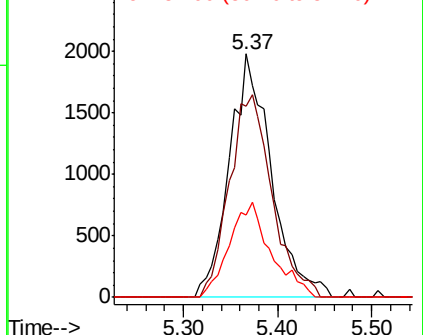
53 100

52 84.4 66.6 99.8

51 38.8 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: 18.672 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW015409.D

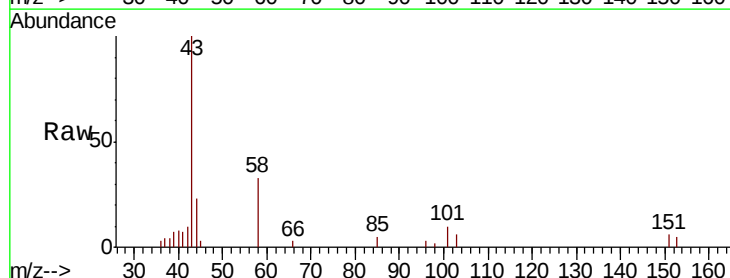
Acq: 06 May 2020 12:23

Tgt Ion: 43 Resp: 7106

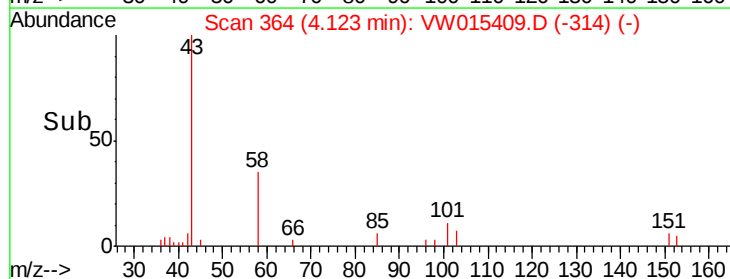
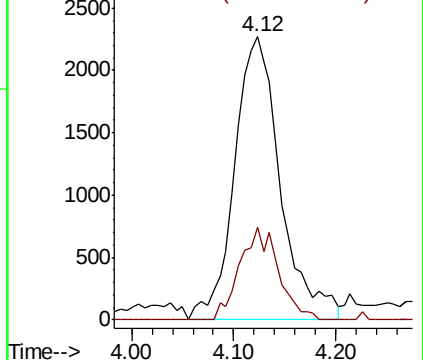
Ion Ratio Lower Upper

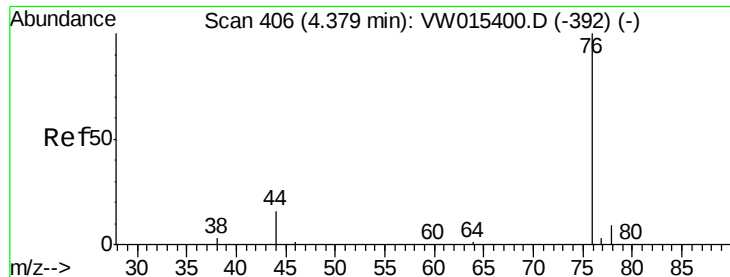
43 100

58 32.8 23.4 35.0



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

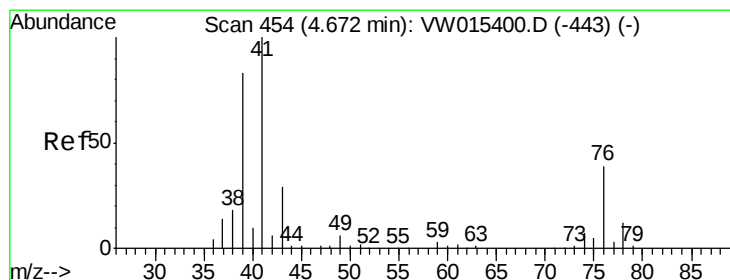
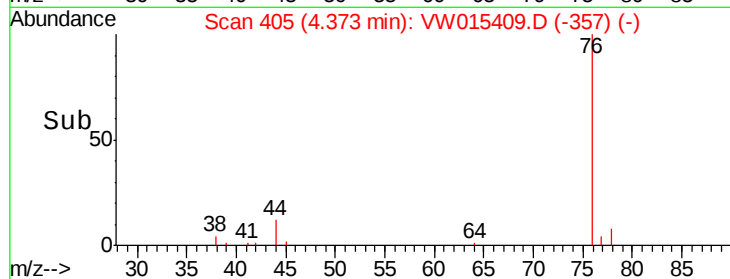
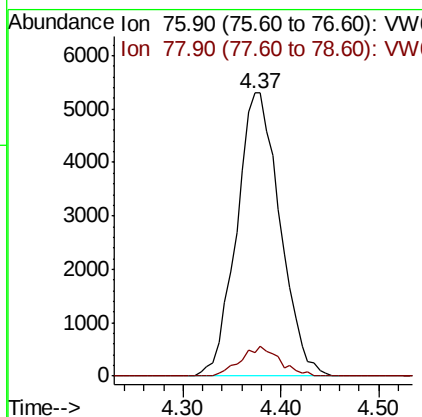
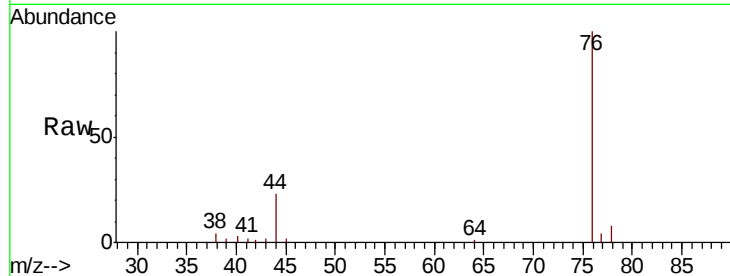




#17
Carbon Disulfide
Concen: 2.473 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW015409.D
Acq: 06 May 2020 12:23

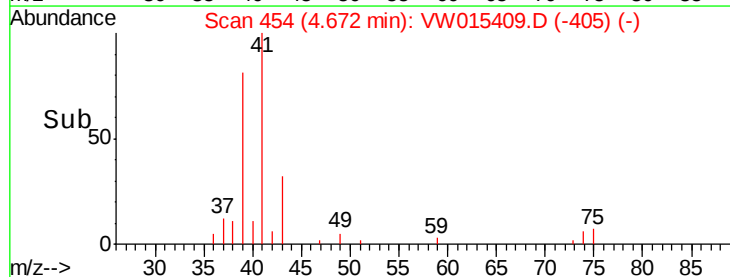
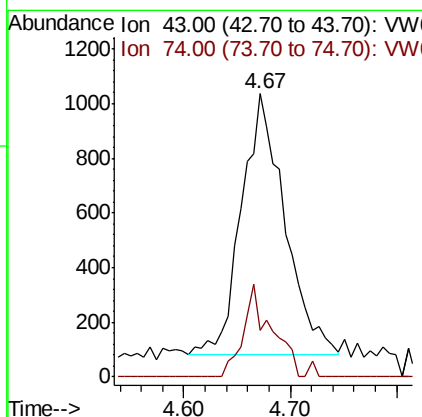
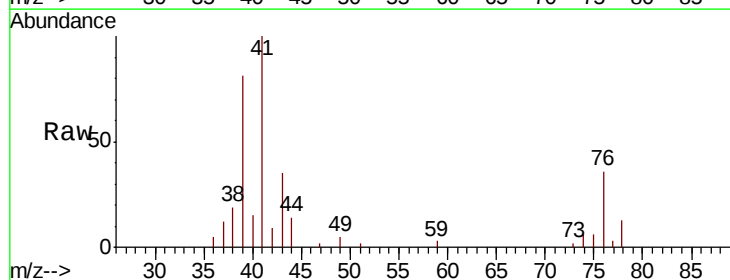
Instrument :
MSVOA_W
ClientSampled :

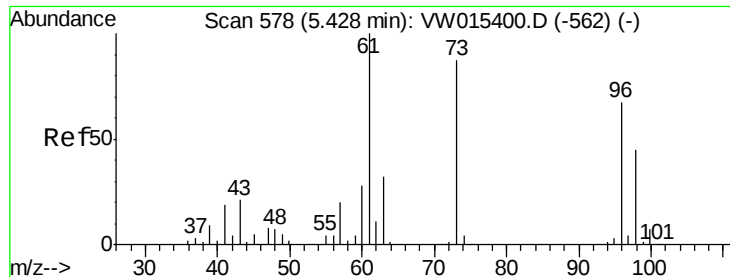
Tot Ion: 76 Resp: 16335
Ion Ratio Lower Upper
76 100
78 8.3 7.3 10.9



#18
Methyl Acetate
Concen: 2.699 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW015409.D
Acq: 06 May 2020 12:23

Tgt Ion: 43 Resp: 2727
Ion Ratio Lower Upper
43 100
74 23.2 18.7 28.1

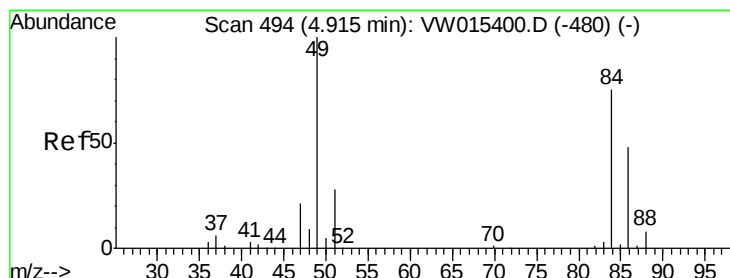
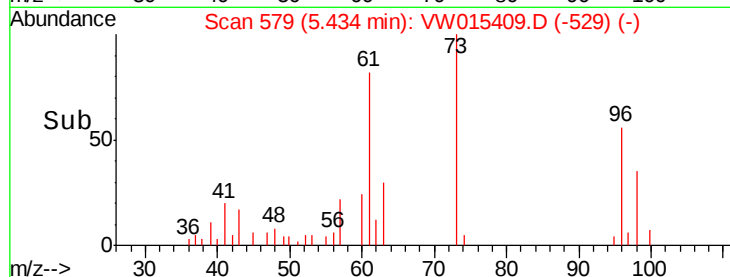
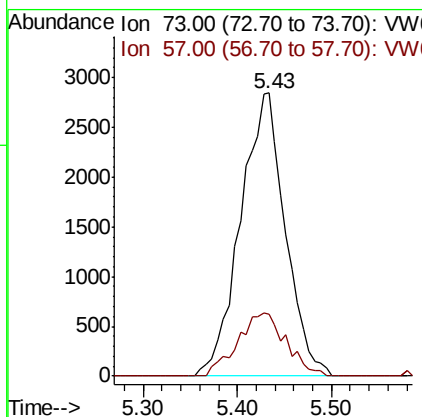
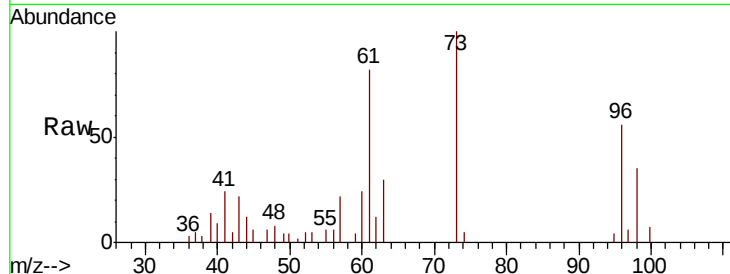




#19
Methvl tert-butvl Ether
Concen: 2.731 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015409.D
Acq: 06 May 2020 12:23

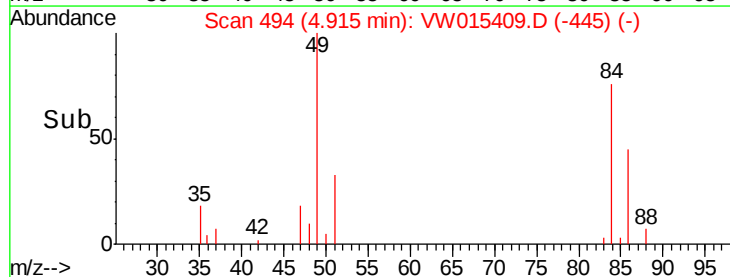
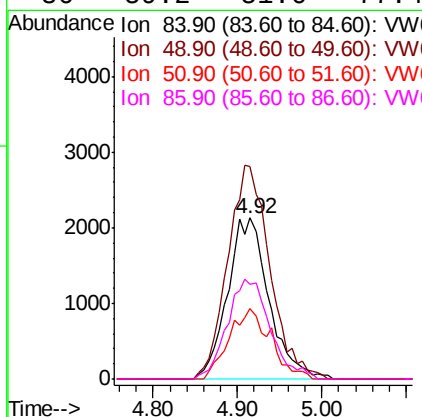
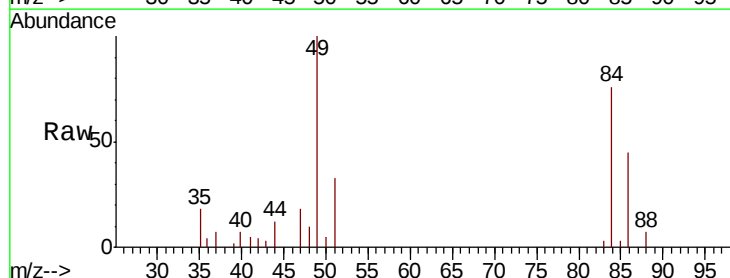
Instrument :
MSVOA_W
ClientSampleId :

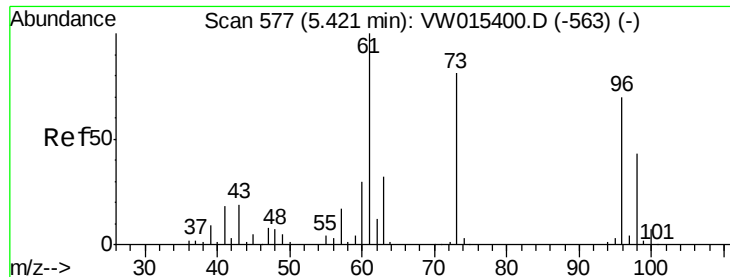
Tot Ion: 73 Resp: 9451
Ion Ratio Lower Upper
73 100
57 21.7 18.5 27.7



#20
Methylene Chloride
Concen: 2.856 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015409.D
Acq: 06 May 2020 12:23

Tgt Ion: 84 Resp: 7091
Ion Ratio Lower Upper
84 100
49 132.4 106.4 159.6
51 43.6 30.2 45.2
86 59.2 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 2.608 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

ClientSampled :

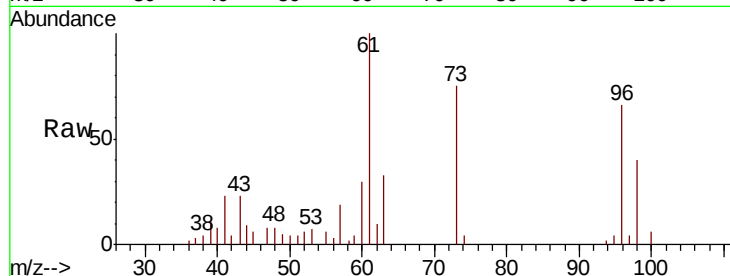
Tot Ion: 96 Resp: 6377

Ion Ratio Lower Upper

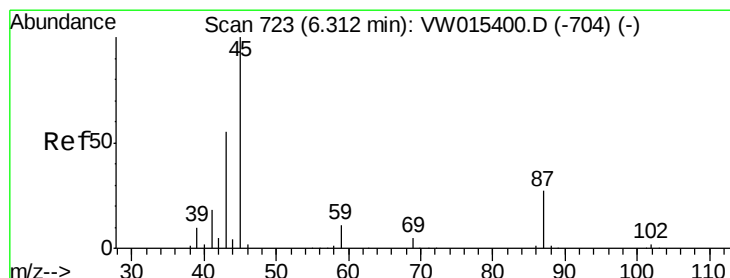
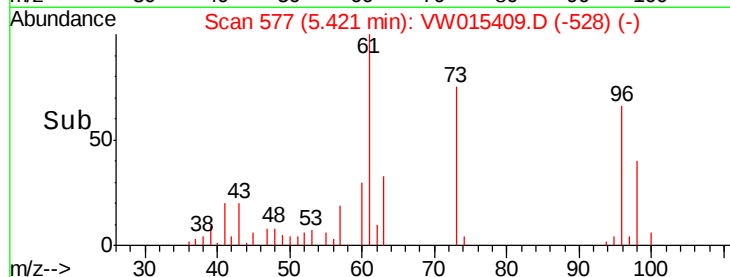
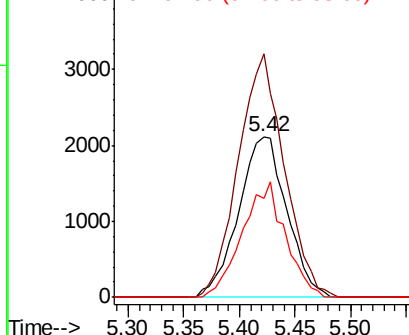
96 100

61 151.3 114.9 172.3

98 61.1 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: 2.550 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Tgt Ion: 45 Resp: 18809

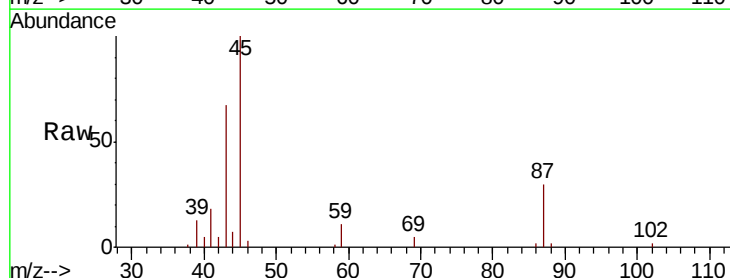
Ion Ratio Lower Upper

45 100

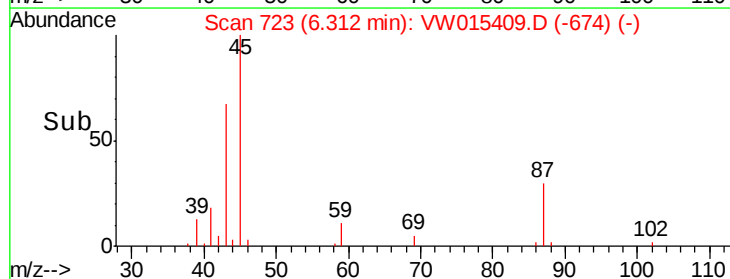
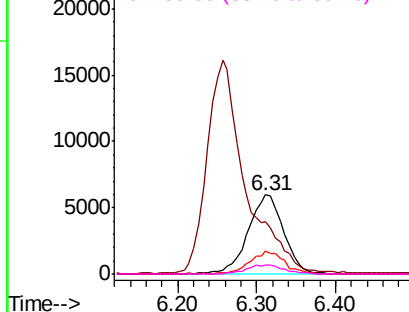
43 65.1 44.2 66.4

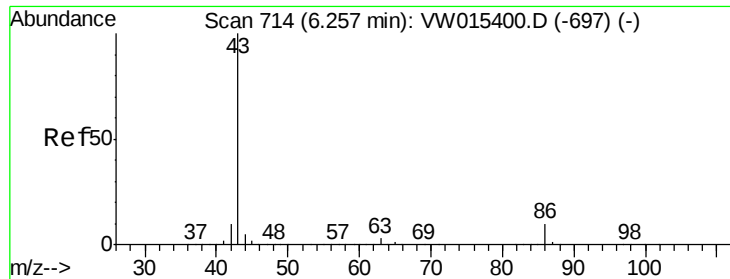
87 29.7 21.6 32.4

59 11.5 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: 12.301 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

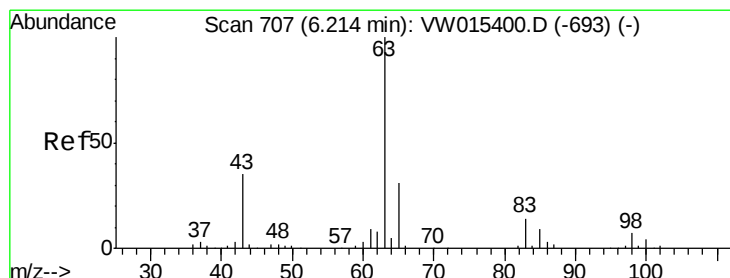
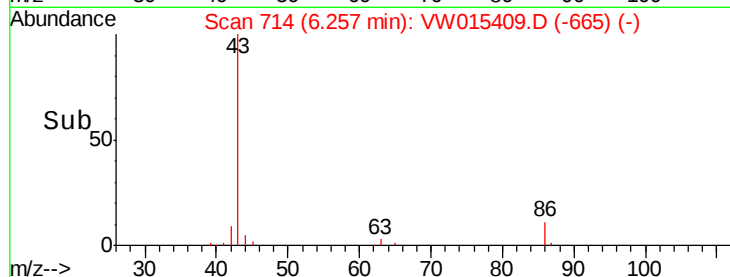
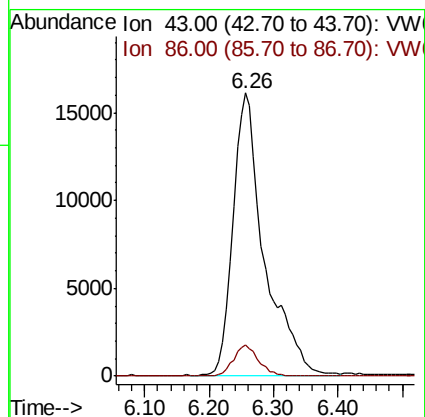
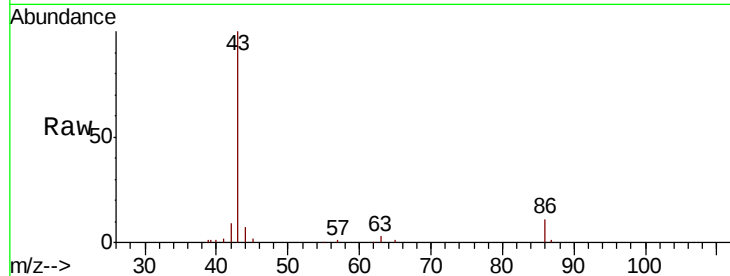
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 55148

Ion Ratio Lower Upper

43 100

86 11.1 8.1 12.1



#24

1,1-Dichloroethane

Concen: 2.588 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

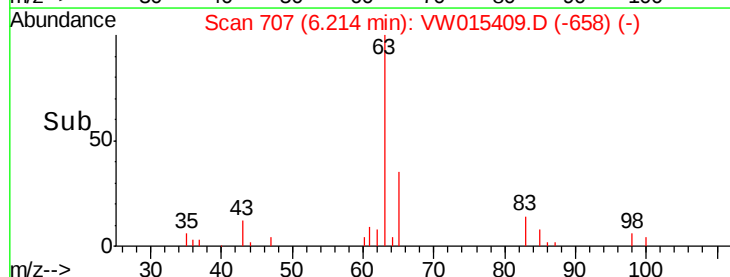
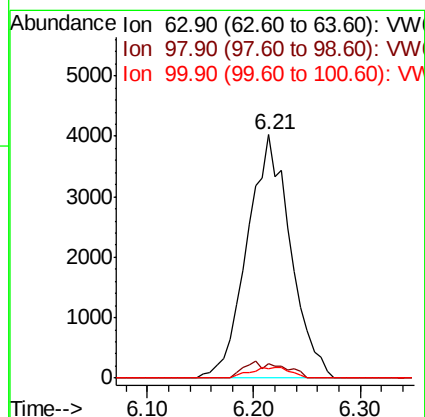
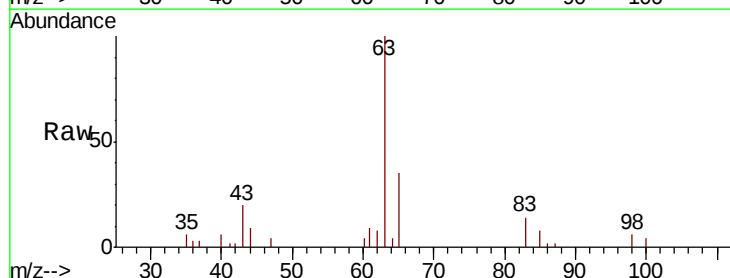
Tgt Ion: 63 Resp: 11443

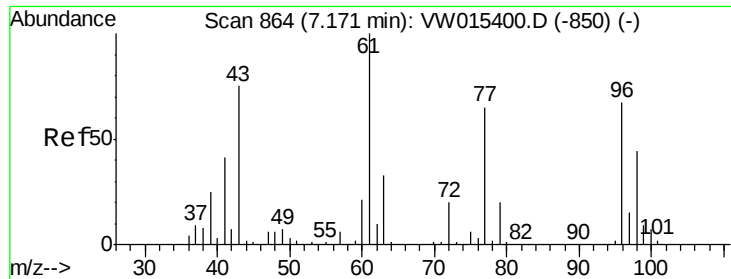
Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.4

100 3.7 2.1 6.5





#25

2-Butanone

Concen: 15.012 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

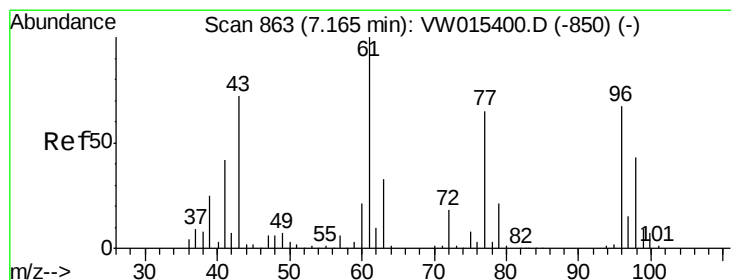
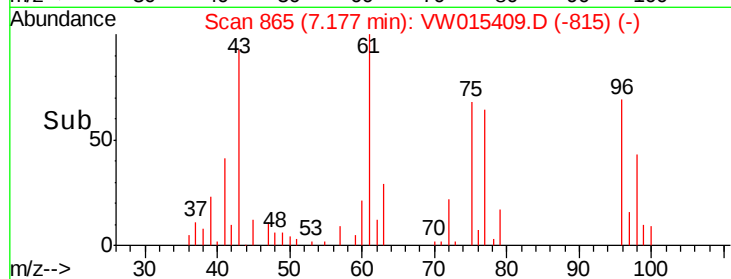
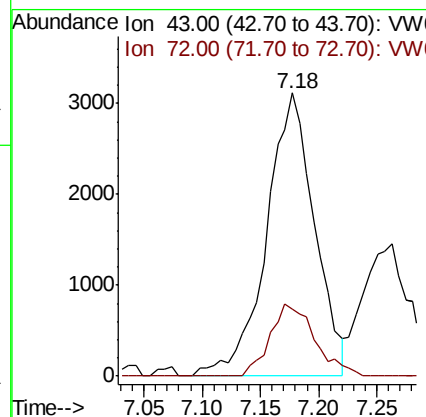
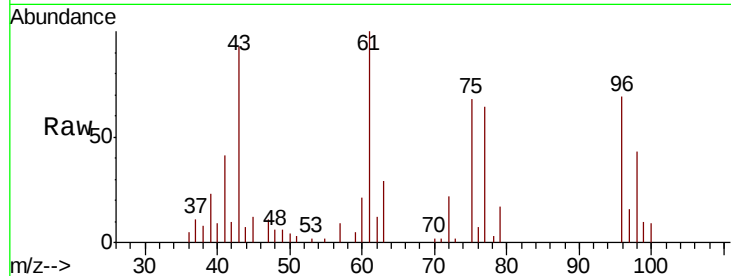
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 8905

Ion Ratio Lower Upper

43 100

72 23.6 21.4 32.0



#26

2,2-Dichloropropane

Concen: 2.864 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW015409.D

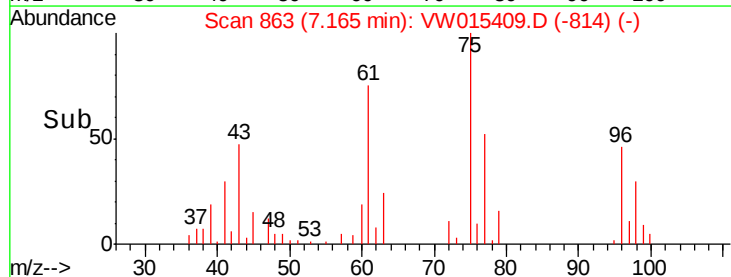
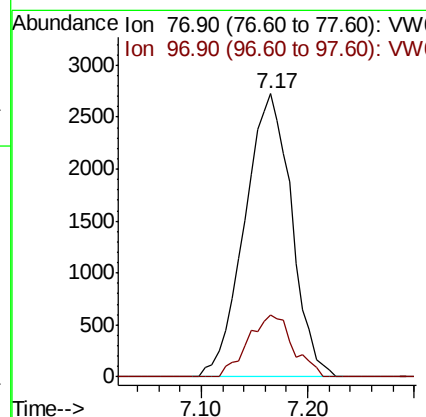
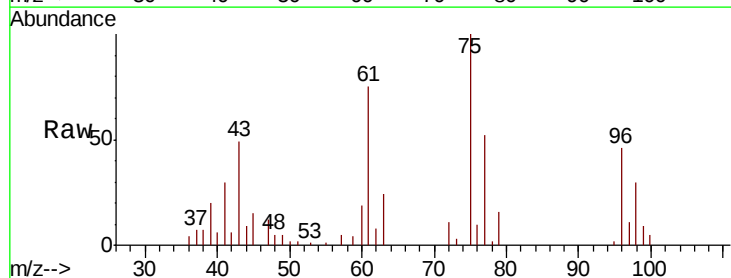
Acq: 06 May 2020 12:23

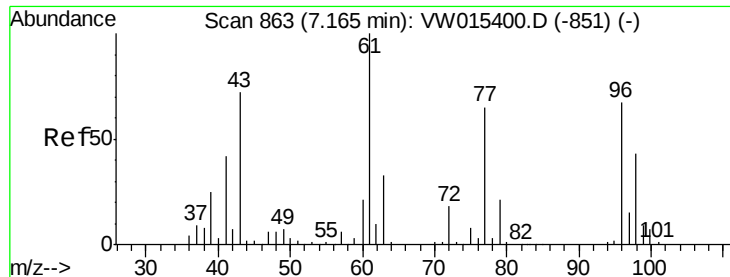
Tgt Ion: 77 Resp: 8393

Ion Ratio Lower Upper

77 100

97 20.8 11.1 33.1



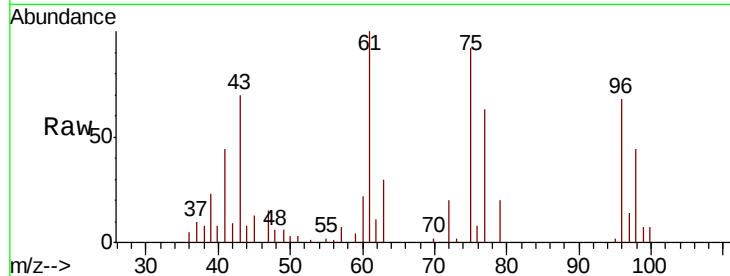


#27

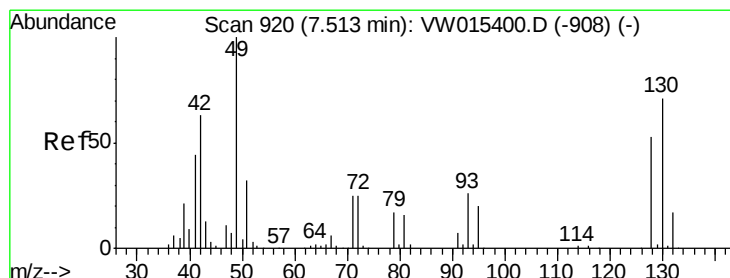
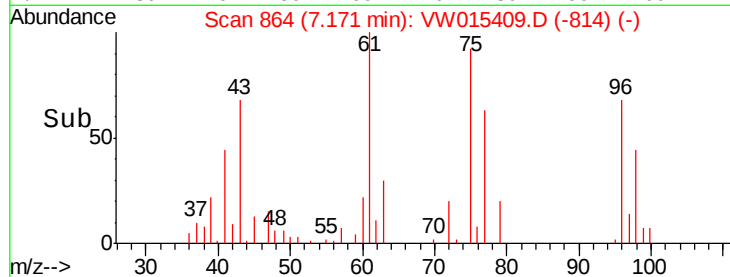
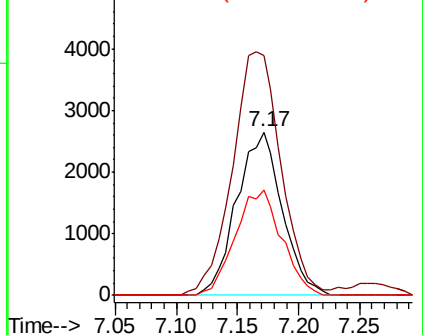
cis-1,2-Dichloroethene
 Concen: 2.570 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW015409.D
 Acq: 06 May 2020 12:23

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 96 Resp: 6824
 Ion Ratio Lower Upper
 96 100
 61 159.9 0.0 304.6
 98 66.1 0.0 129.2



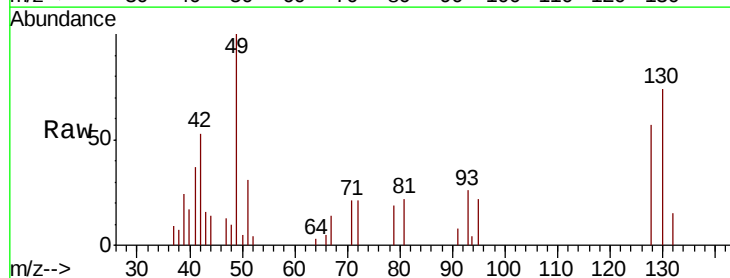
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



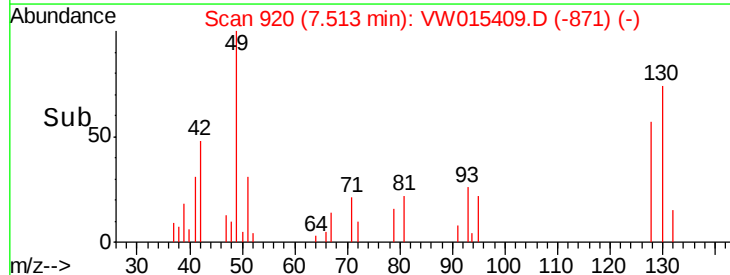
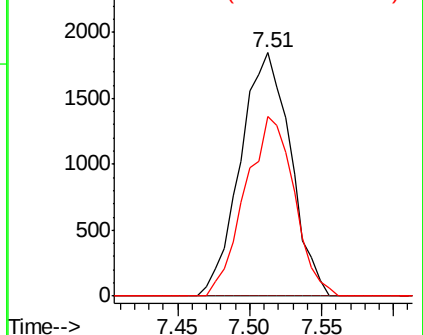
#28

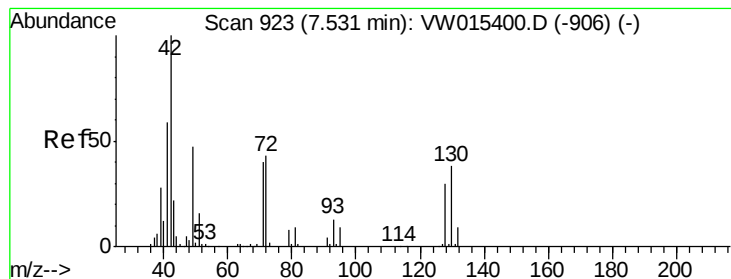
Bromochloromethane
 Concen: 2.513 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015409.D
 Acq: 06 May 2020 12:23

Tgt Ion: 49 Resp: 4468
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.0
 130 72.2 57.0 85.4



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 14.547 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :
MSVOA_W
ClientSampleId :

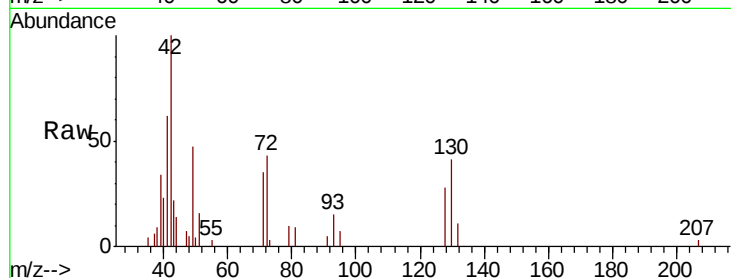
Tot Ion: 42 Resp: 5679

Ion Ratio Lower Upper

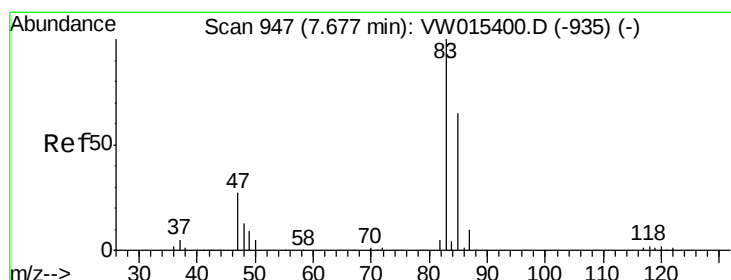
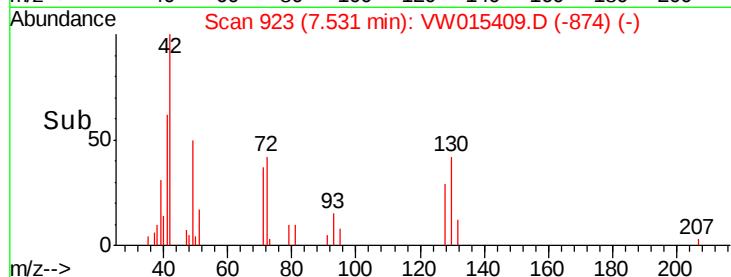
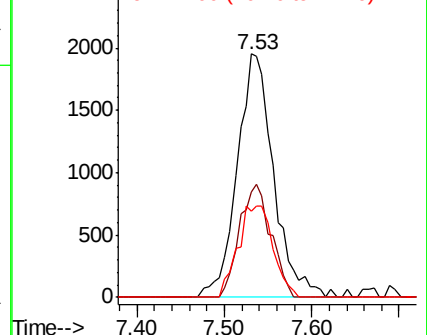
42 100

72 39.9 33.6 50.4

71 35.9 32.1 48.1



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 2.570 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW015409.D

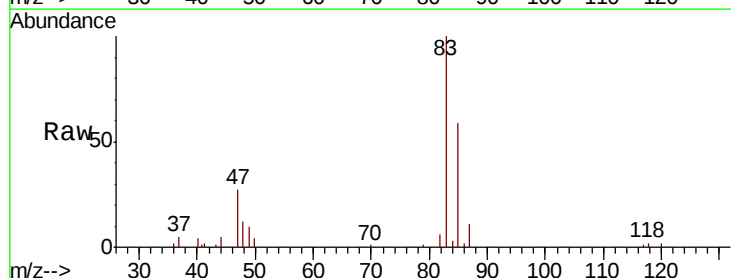
Acq: 06 May 2020 12:23

Tgt Ion: 83 Resp: 11292

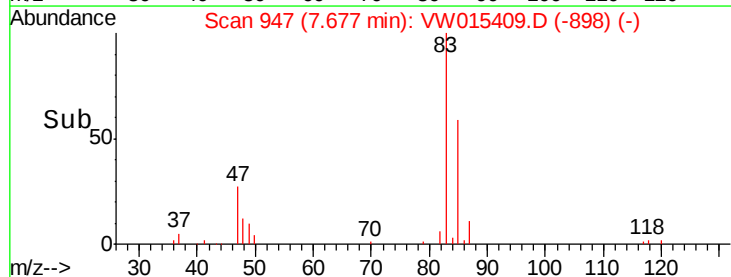
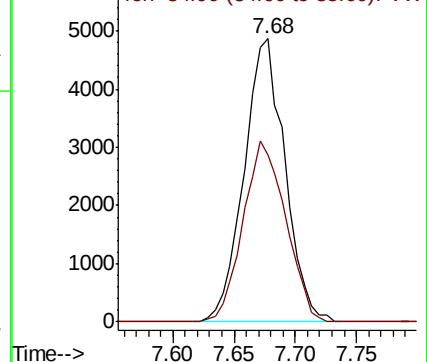
Ion Ratio Lower Upper

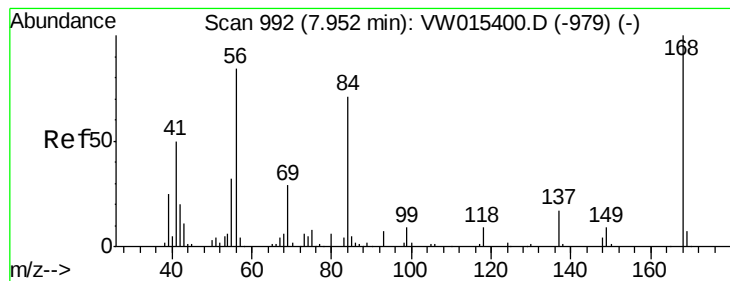
83 100

85 58.8 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 3.650 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

ClientSampleId :

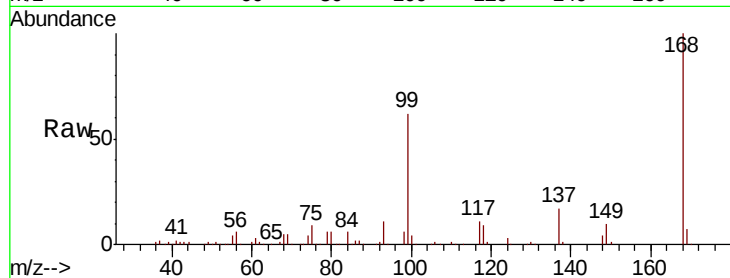
Tot Ion: 56 Resp: 16388

Ion Ratio Lower Upper

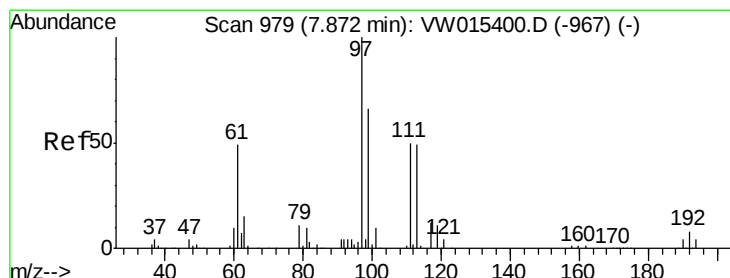
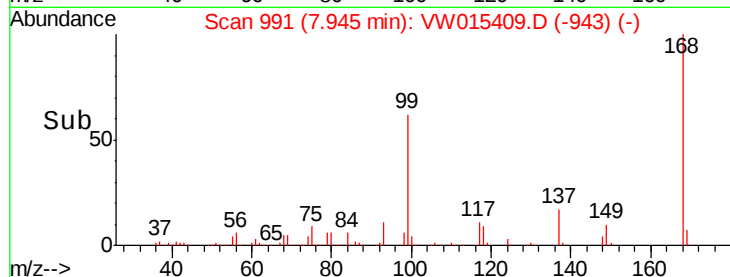
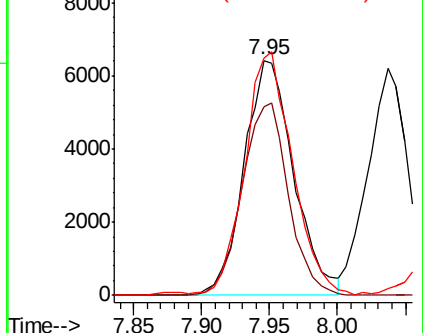
56 100

69 80.5 27.2 40.8#

84 100.2 67.7 101.5



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



#32

1,1,1-Trichloroethane

Concen: 2.538 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

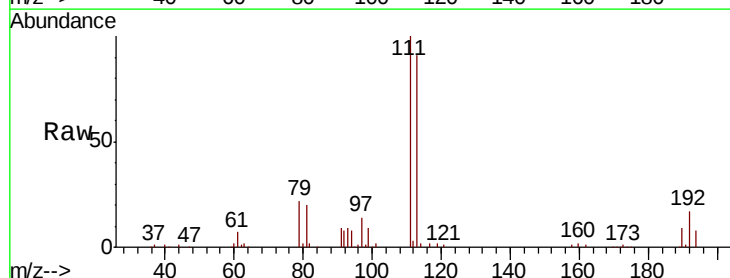
Tgt Ion: 97 Resp: 9372

Ion Ratio Lower Upper

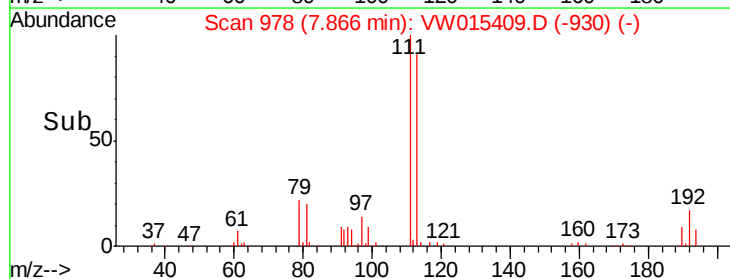
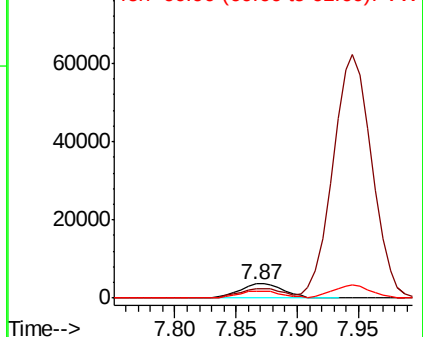
97 100

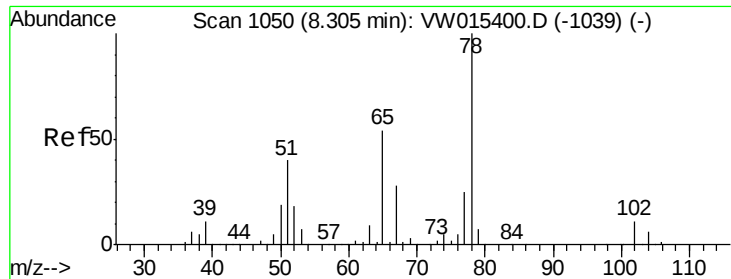
99 65.4 50.7 76.1

61 49.7 38.0 57.0



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

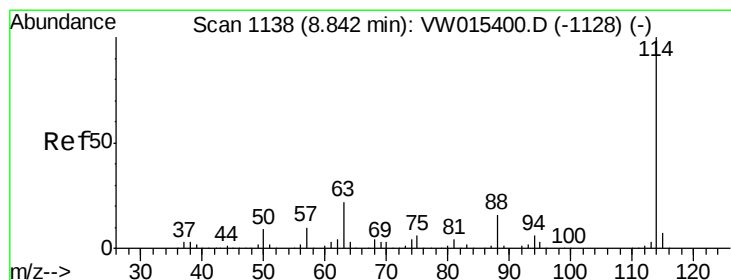
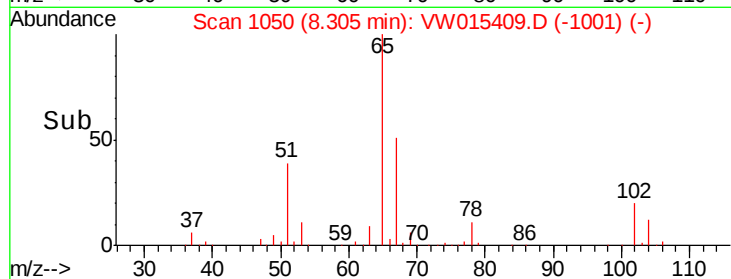
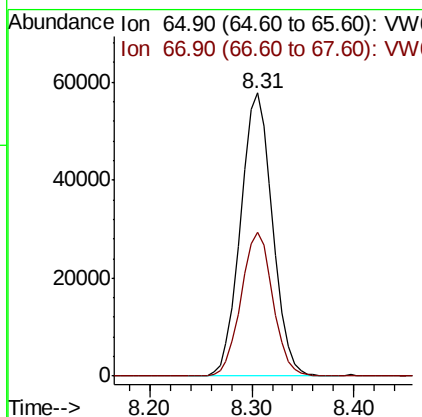
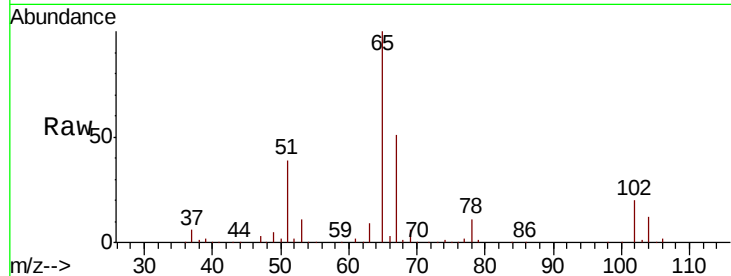




#33
 1,2-Dichloroethane-d4
 Concen: 51.335 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015409.D
 Acq: 06 May 2020 12:23

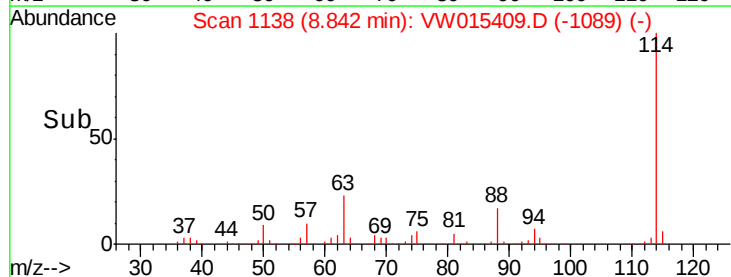
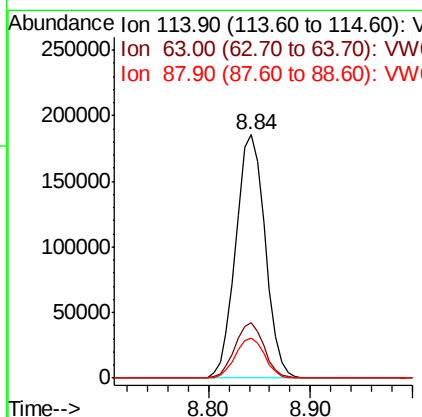
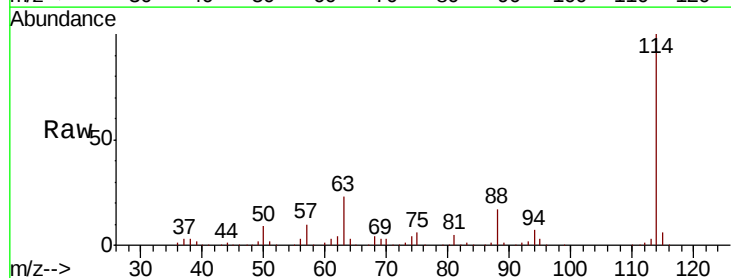
Instrument :
 MSVOA_W
 ClientSampleId :

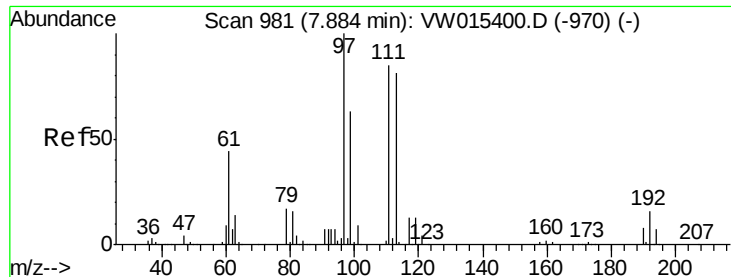
Tot Ion: 65 Resp: 125762
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015409.D
 Acq: 06 May 2020 12:23

Tgt Ion: 114 Resp: 369717
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.4
 88 16.7 0.0 31.8

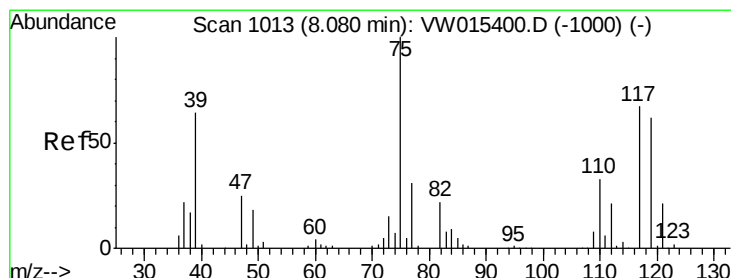
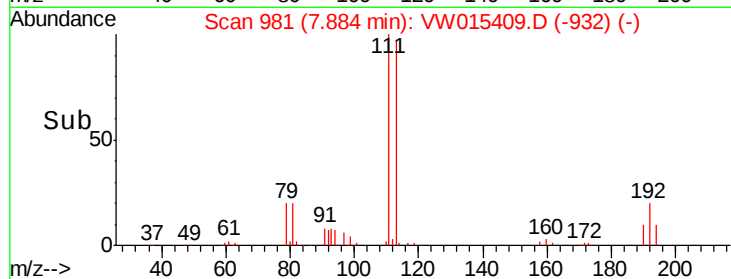
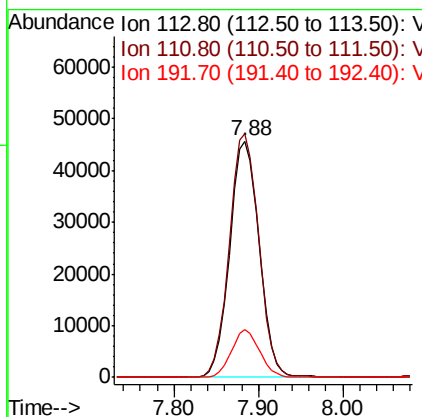
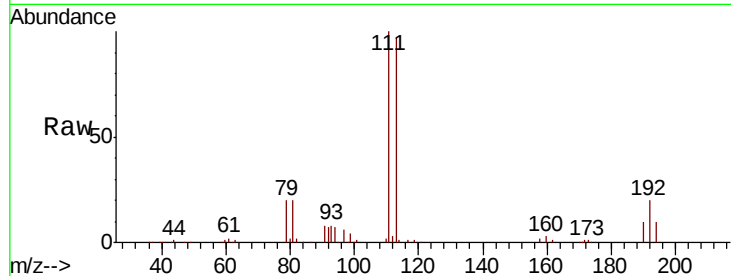




#35
 Dibromofluoromethane
 Concen: 50.877 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015409.D
 Acq: 06 May 2020 12:23

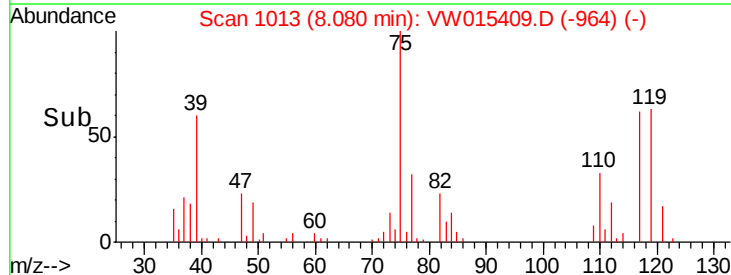
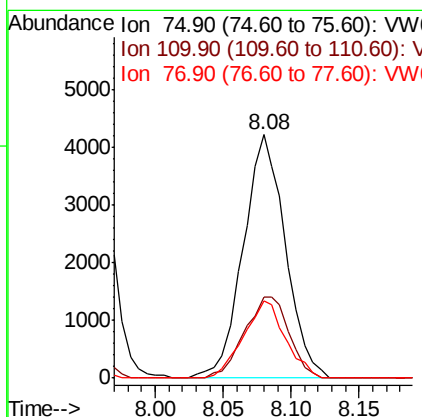
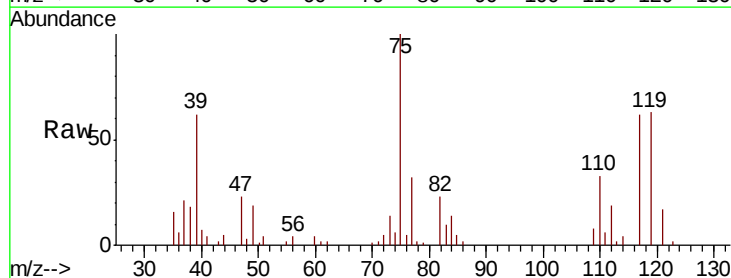
Instrument :
 MSVOA_W
 ClientSampled :

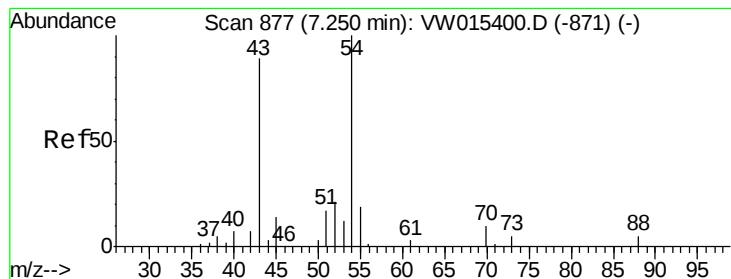
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.9	124.3
192	19.2	15.4	23.0



#36
 1,1-Dichloropropene
 Concen: 2.511 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW015409.D
 Acq: 06 May 2020 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	16.6	49.8
77	31.5	24.5	36.7





#37

Ethyl Acetate

Concen: 2.837 ug/l

RT: 7.26 min Scan# 879

Delta R.T. 0.01 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

ClientSampled :

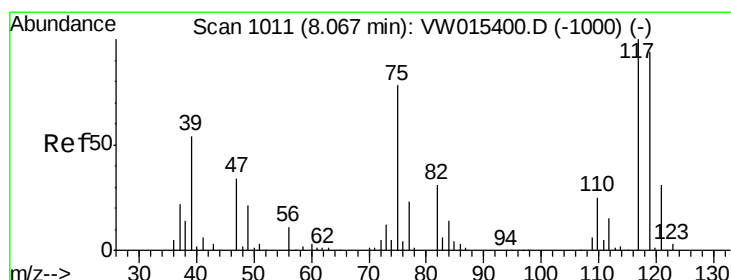
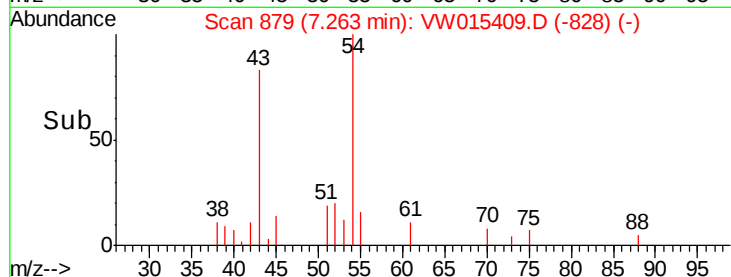
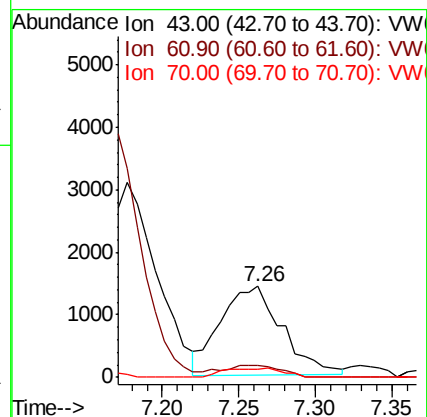
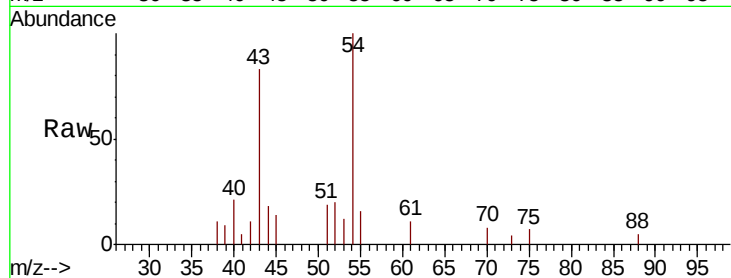
Tot Ion: 43 Resp: 3998

Ion Ratio Lower Upper

43 100

61 12.9 10.2 15.2

70 9.7 8.0 12.0



#38

Carbon Tetrachloride

Concen: 2.512 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

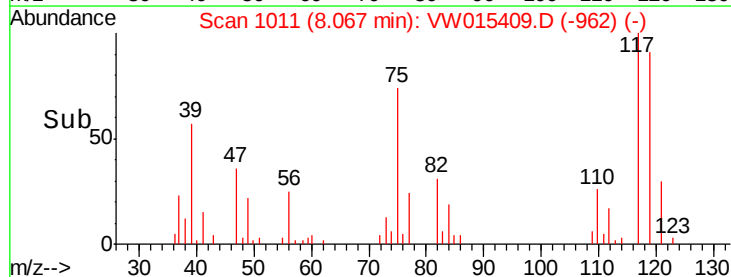
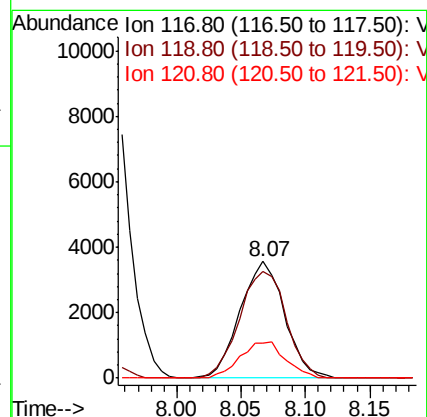
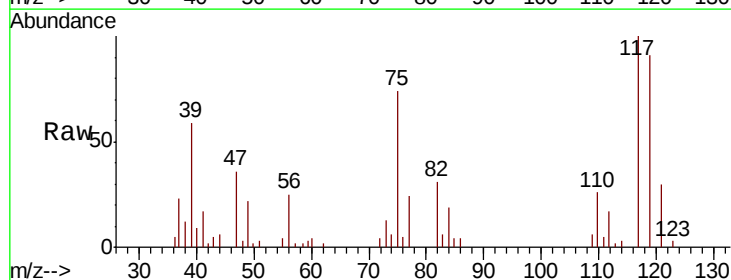
Tgt Ion: 117 Resp: 8530

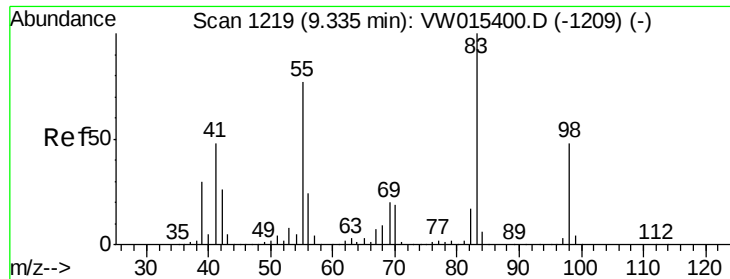
Ion Ratio Lower Upper

117 100

119 91.0 75.4 113.0

121 30.5 24.8 37.2

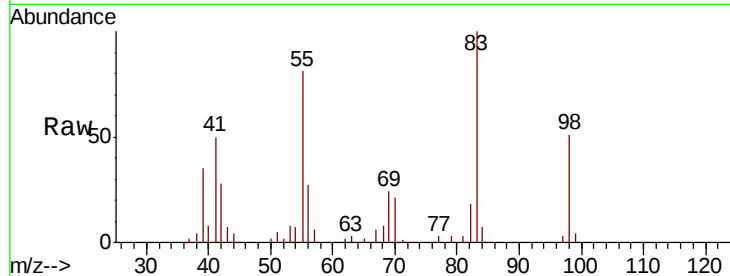




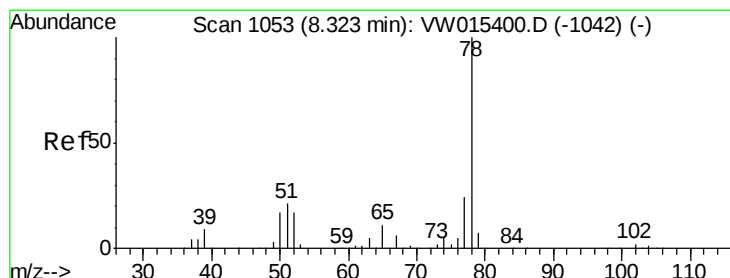
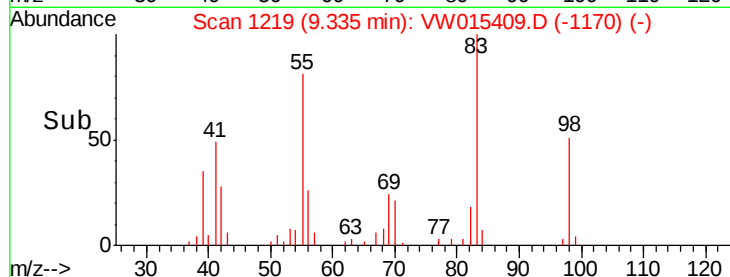
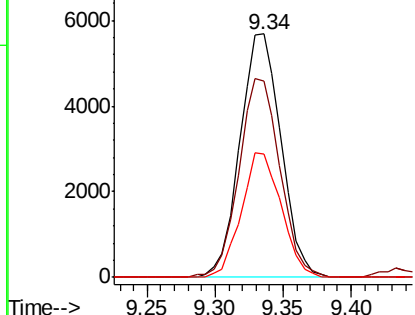
#39
Methvlcvclohexane
Concen: 2.610 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015409.D
Acq: 06 May 2020 12:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 11999
Ion Ratio Lower Upper
83 100
55 80.5 61.9 92.9
98 50.5 38.2 57.2

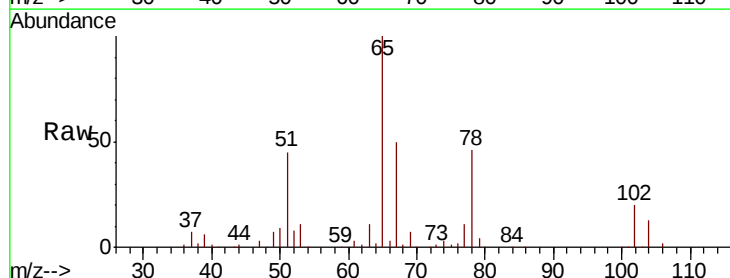


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

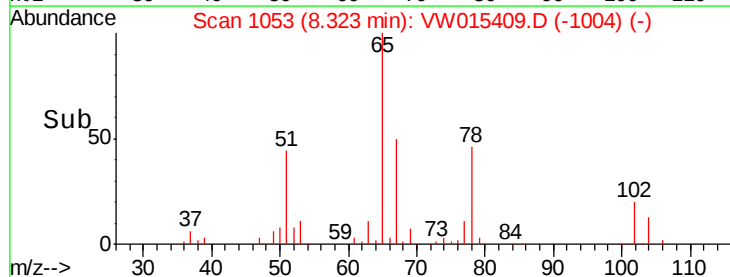
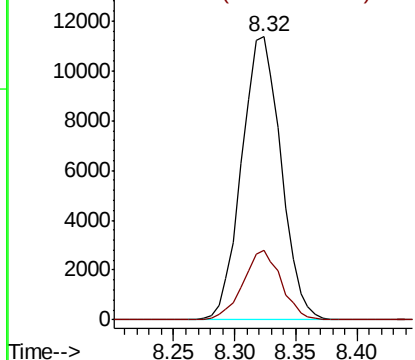


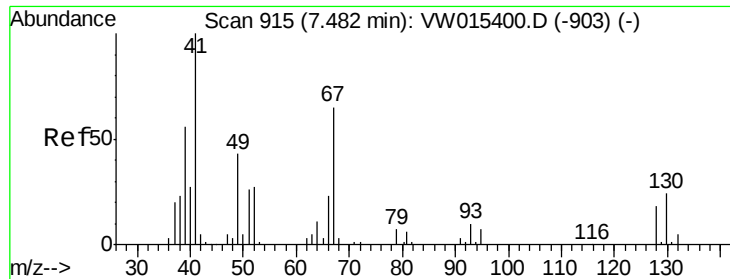
#40
Benzene
Concen: 2.568 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015409.D
Acq: 06 May 2020 12:23

Tgt Ion: 78 Resp: 25440
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.4



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

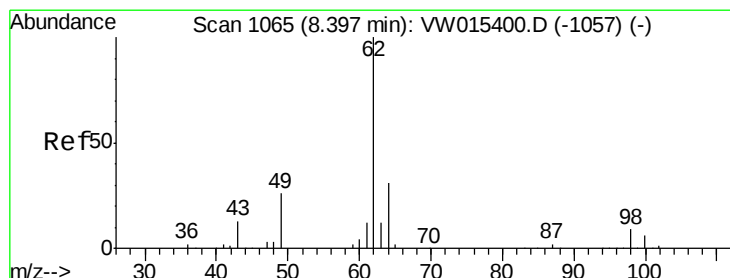
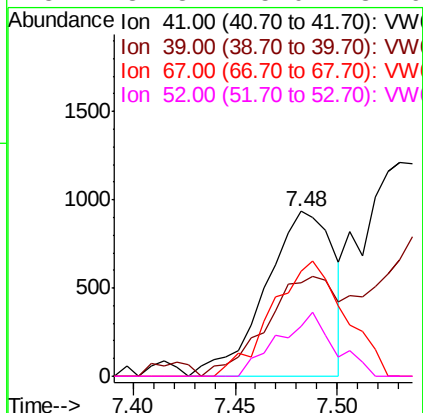
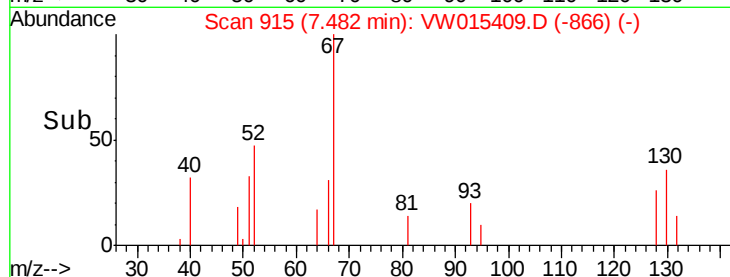
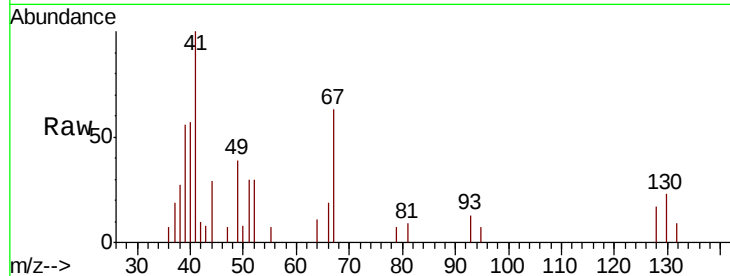




#41
Methacrylonitrile
Concen: 2.448 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW015409.D
Acq: 06 May 2020 12:23

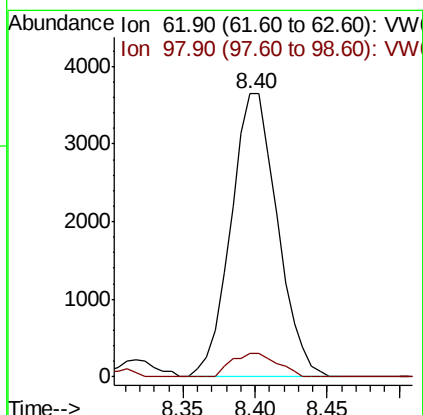
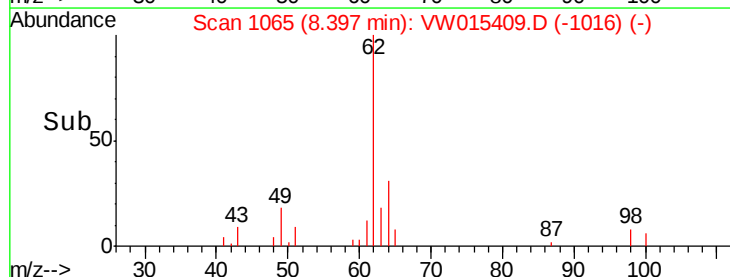
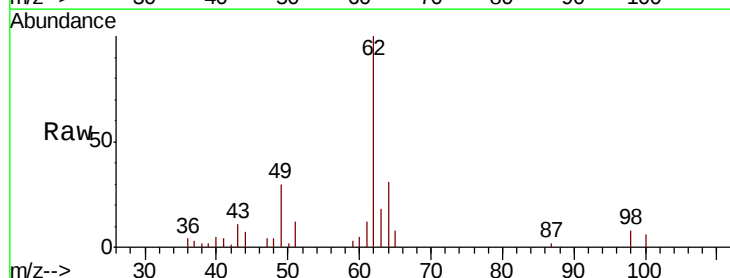
Instrument :
MSVOA_W
ClientSampled :

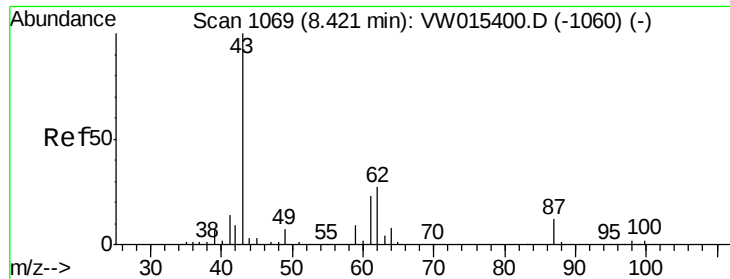
Tot Ion:	41	Resp:	2180
Ion	Ratio	Lower	Upper
41	100		
39	76.4	46.2	69.4#
67	74.4	56.2	84.2
52	31.8	25.0	37.6



#42
1,2-Dichloroethane
Concen: 2.715 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015409.D
Acq: 06 May 2020 12:23

Tgt Ion:	62	Resp:	8192
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.6





#43

Isopropyl Acetate

Concen: 2.707 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

ClientSampled :

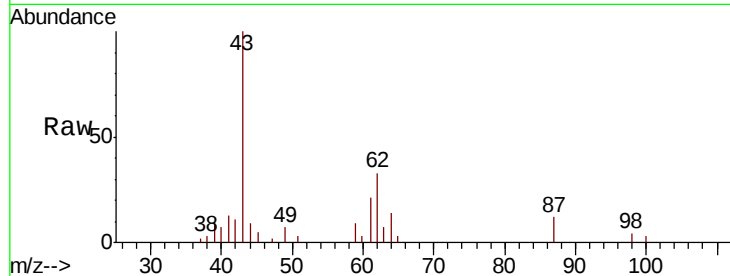
Tot Ion: 43 Resp: 8024

Ion Ratio Lower Upper

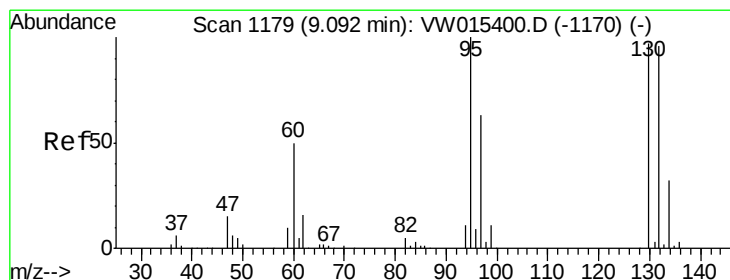
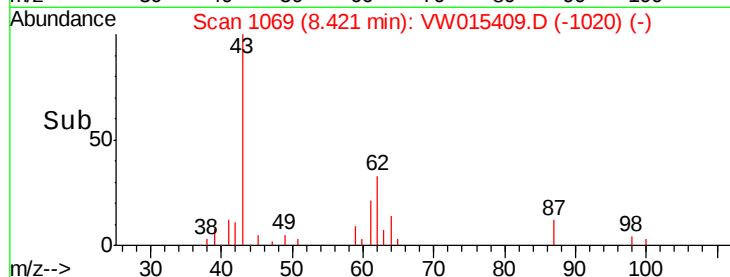
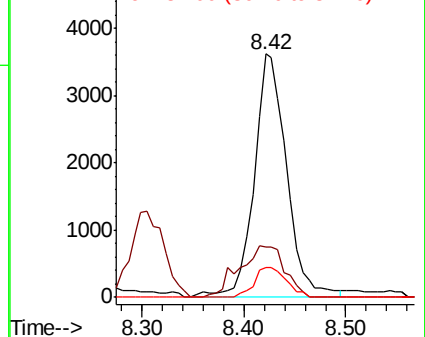
43 100

61 29.4 24.3 36.5

87 12.0 10.1 15.1



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



#44

Trichloroethene

Concen: 2.586 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015409.D

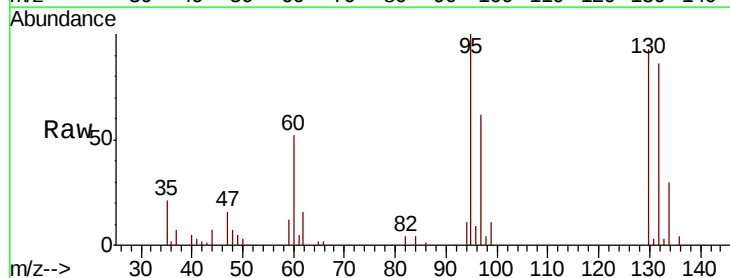
Acq: 06 May 2020 12:23

Tgt Ion: 130 Resp: 6640

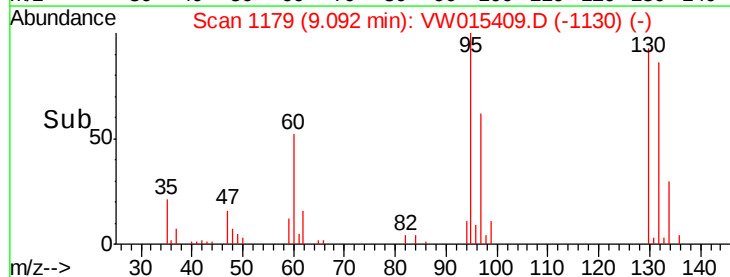
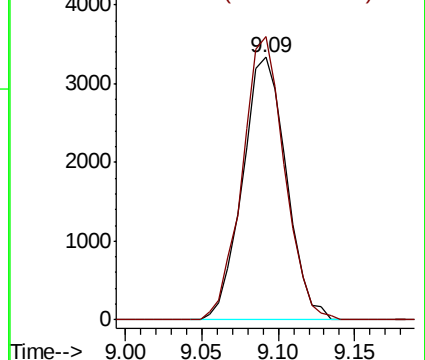
Ion Ratio Lower Upper

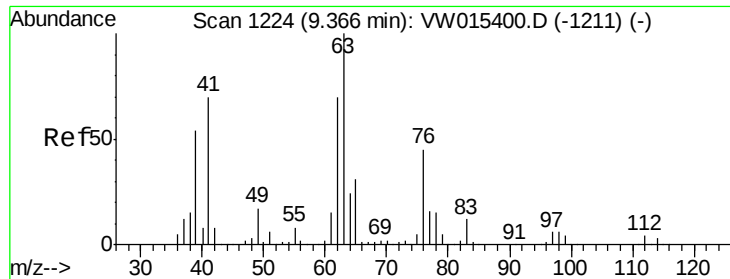
130 100

95 107.8 0.0 205.8



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





#45

1,2-Dichloropropane

Concen: 2.555 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

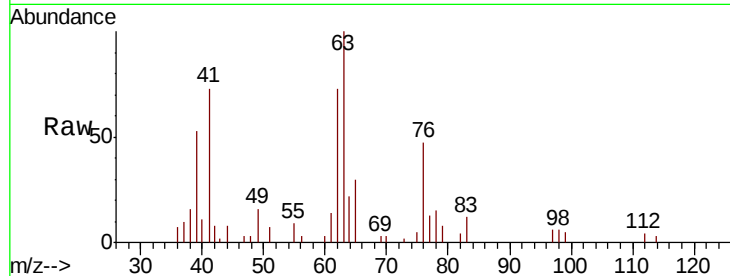
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 6252

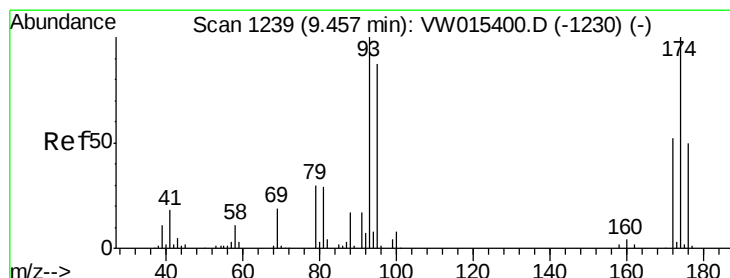
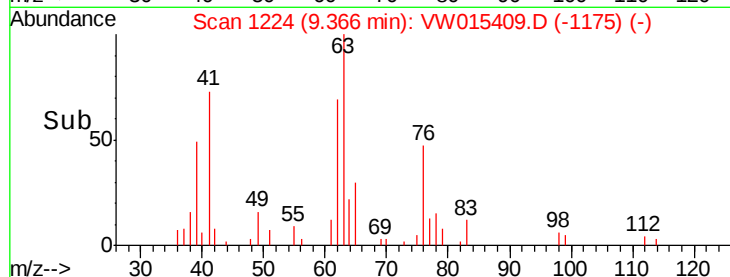
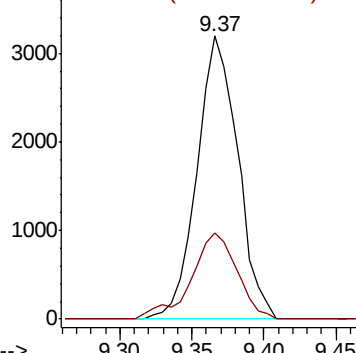
Ion Ratio Lower Upper

63 100

65 30.3 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 2.603 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

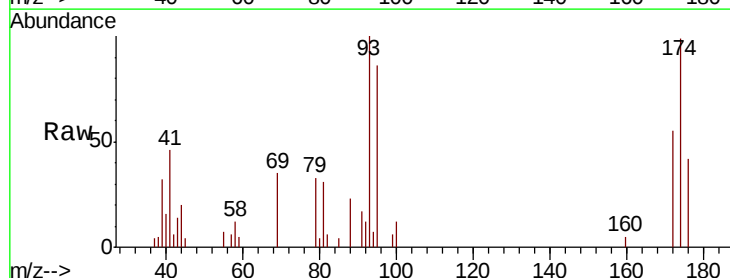
Tgt Ion: 93 Resp: 3168

Ion Ratio Lower Upper

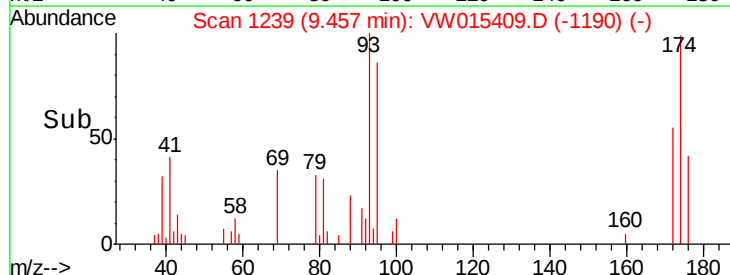
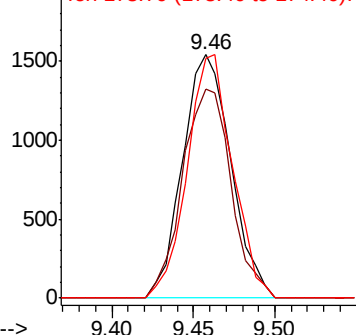
93 100

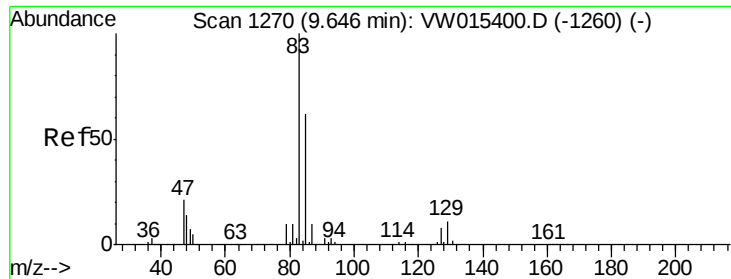
95 86.6 67.0 100.4

174 93.9 78.4 117.6



Abundance Ion 92.80 (92.50 to 93.50): VW
Ion 94.80 (94.50 to 95.50): VW
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 2.524 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

ClientSampleId :

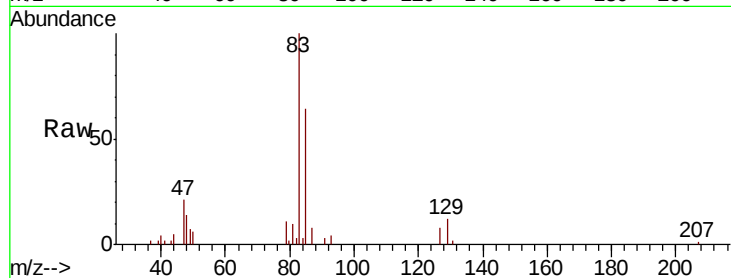
Tot Ion: 83 Resp: 8372

Ion Ratio Lower Upper

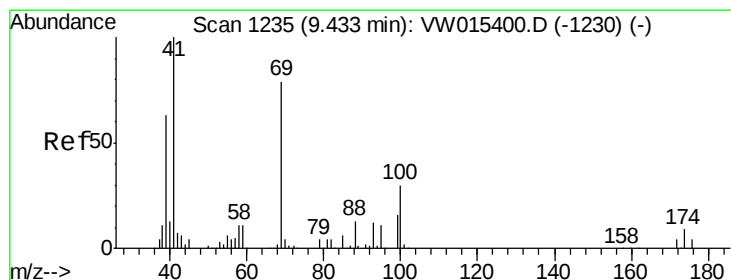
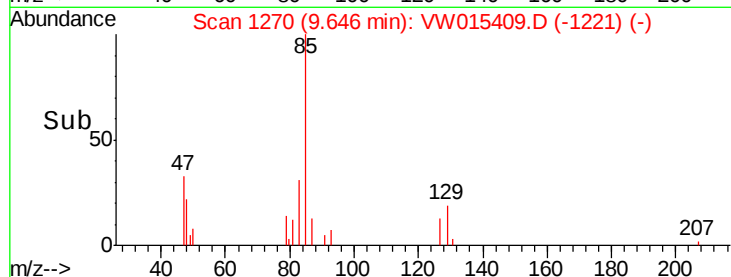
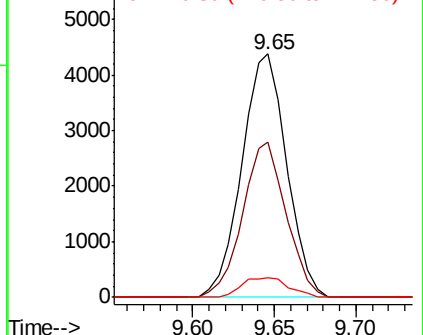
83 100

85 63.8 49.4 74.0

127 8.2 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): VW



#48

Methyl methacrylate

Concen: 2.604 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

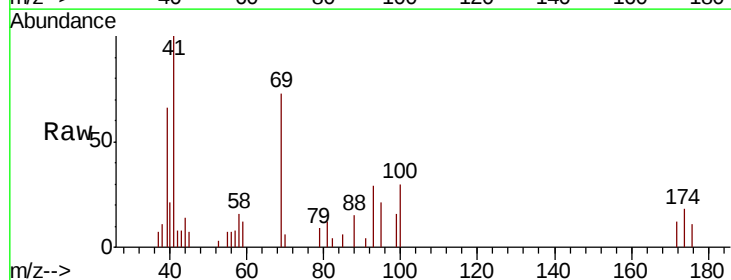
Tgt Ion: 41 Resp: 3565

Ion Ratio Lower Upper

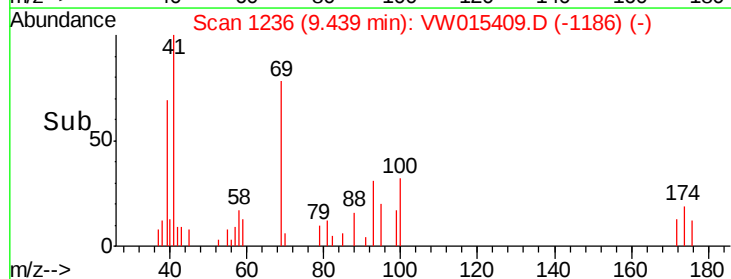
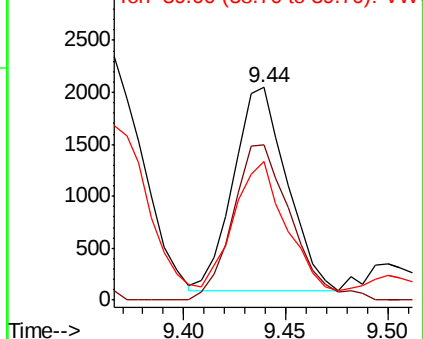
41 100

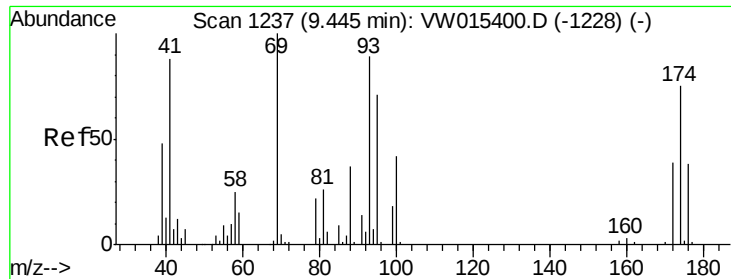
69 83.9 66.2 99.4

39 60.7 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: 59.341 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :
MSVOA_W
ClientSampled :

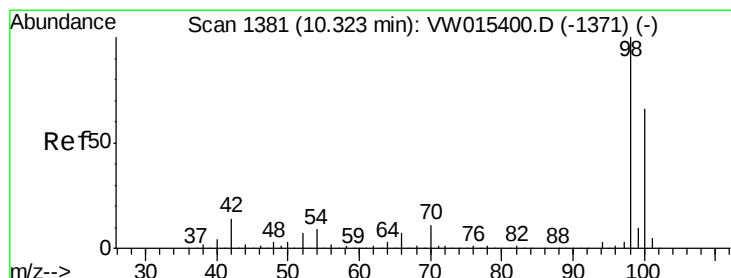
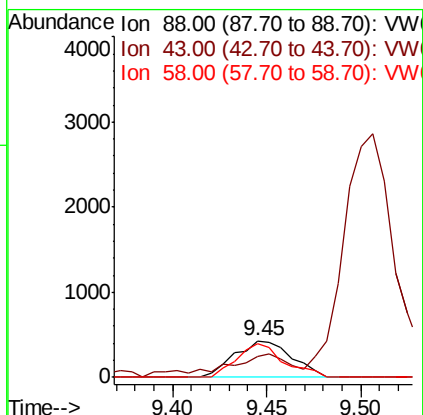
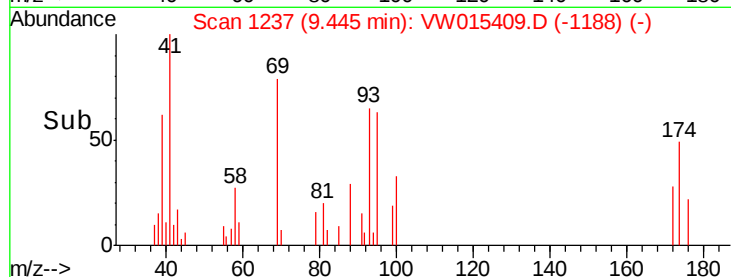
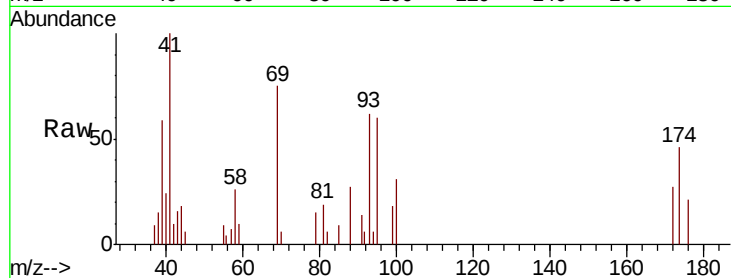
Tot Ion: 88 Resp: 909

Ion Ratio Lower Upper

88 100

43 73.6 30.6 45.8#

58 75.0 56.3 84.5



#50

Toluene-d8

Concen: 51.233 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015409.D

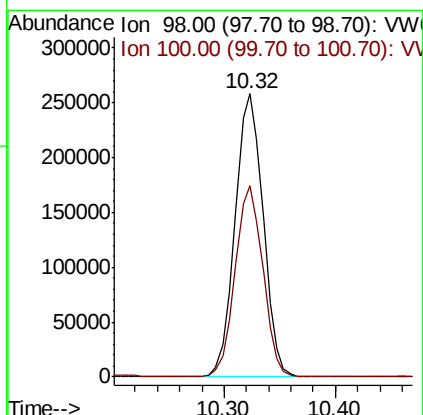
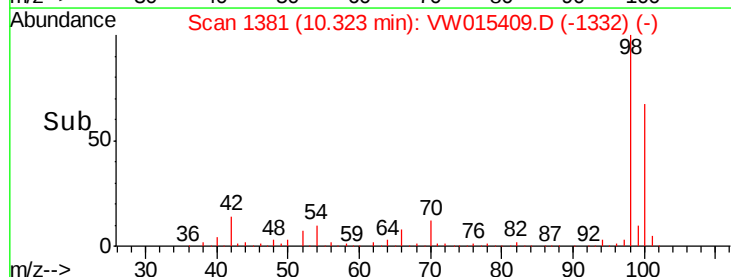
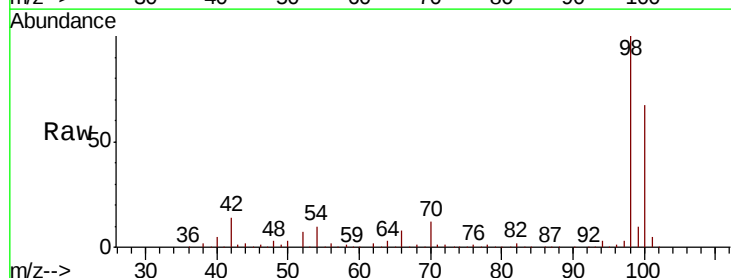
Acq: 06 May 2020 12:23

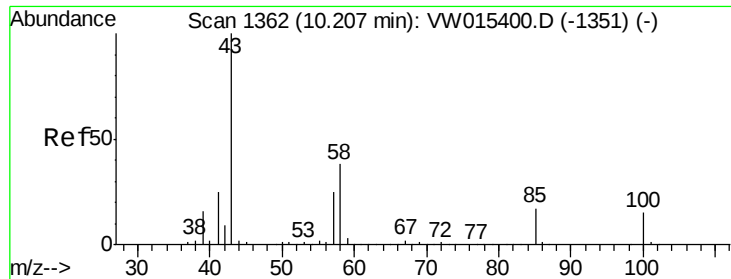
Tgt Ion: 98 Resp: 449911

Ion Ratio Lower Upper

98 100

100 66.6 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 13.656 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

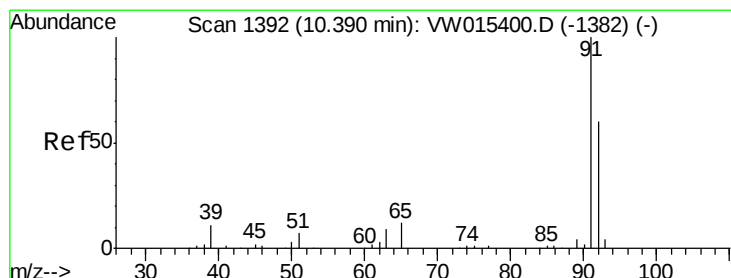
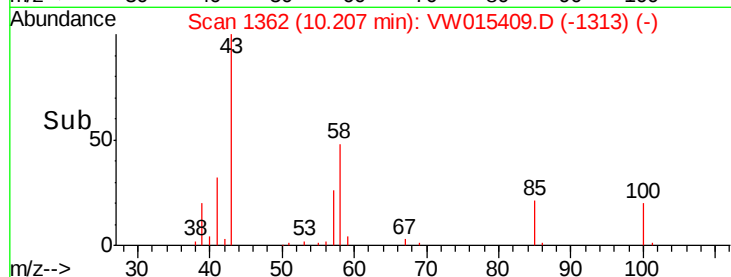
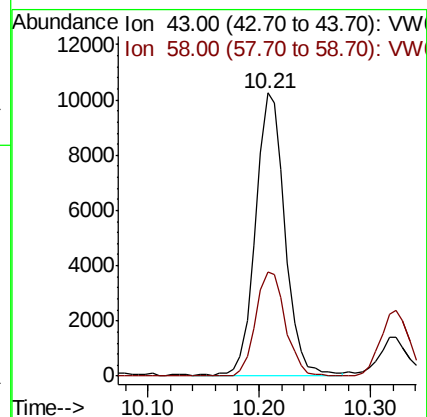
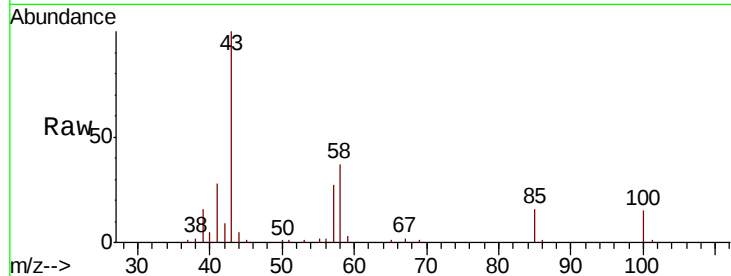
ClientSampleId :

Tot Ion: 43 Resp: 18970

Ion Ratio Lower Upper

43 100

58 36.8 30.8 46.2



#52

Toluene

Concen: 2.630 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015409.D

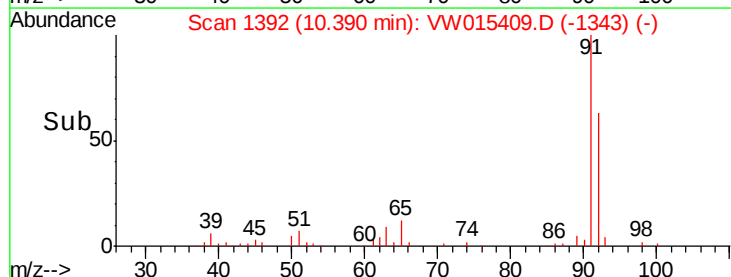
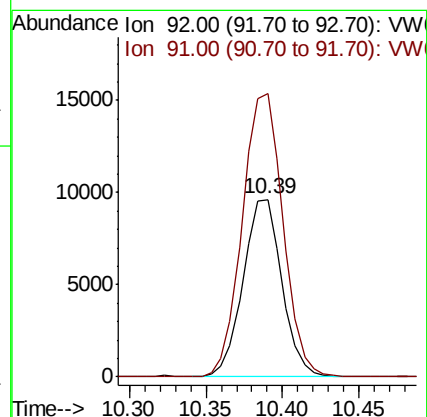
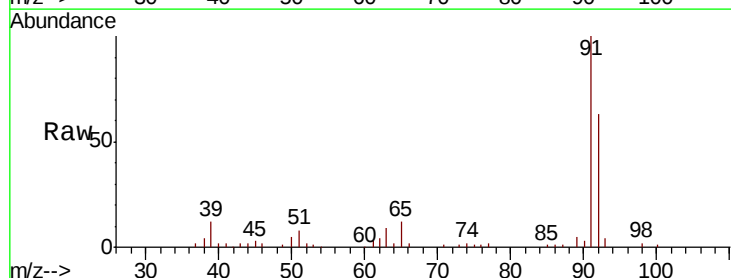
Acq: 06 May 2020 12:23

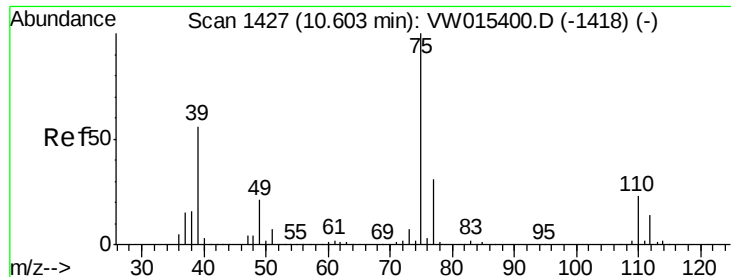
Tgt Ion: 92 Resp: 16929

Ion Ratio Lower Upper

92 100

91 167.9 135.9 203.9





#53

t-1,3-Dichloropropene

Concen: 2.480 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

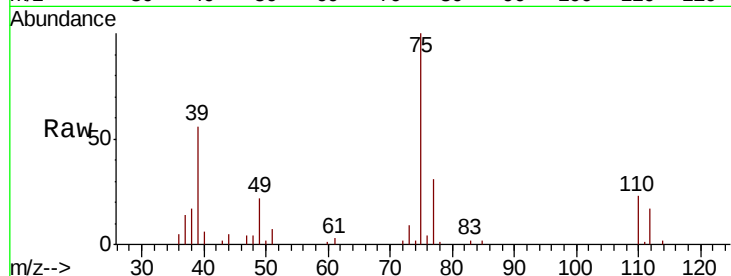
ClientSampled :

Tot Ion: 75 Resp: 8399

Ion Ratio Lower Upper

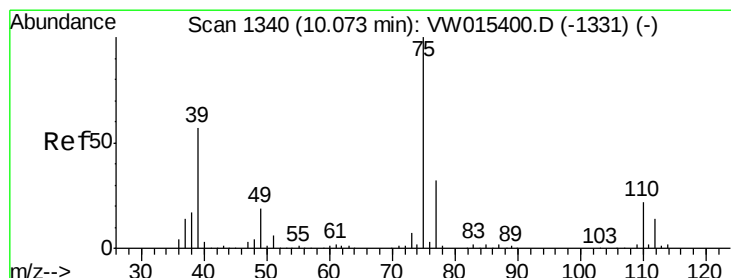
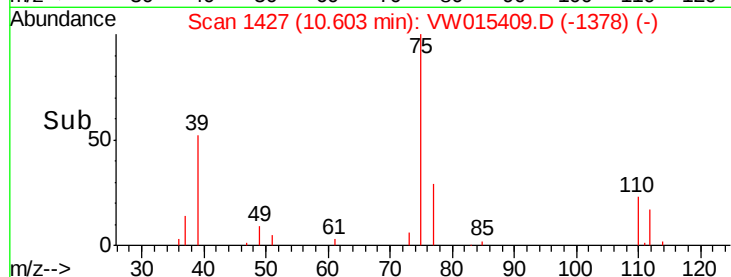
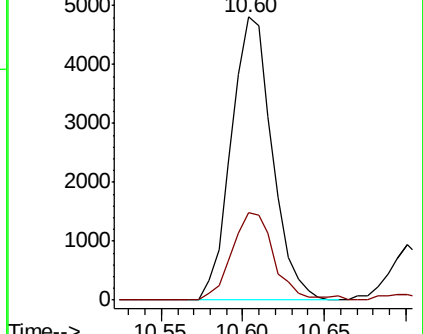
75 100

77 30.8 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 2.447 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

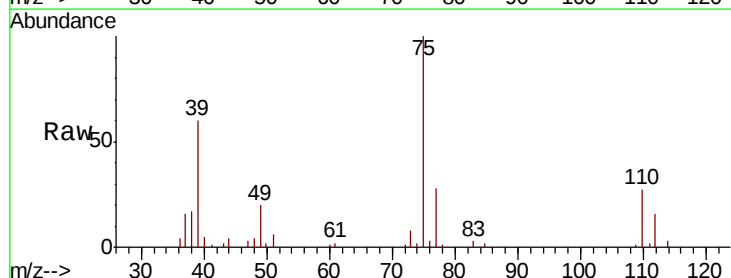
Tgt Ion: 75 Resp: 9757

Ion Ratio Lower Upper

75 100

77 27.5 25.6 38.4

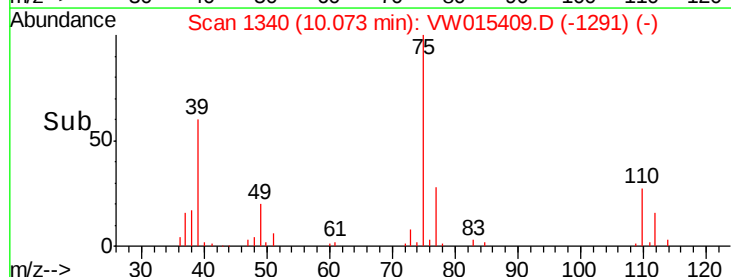
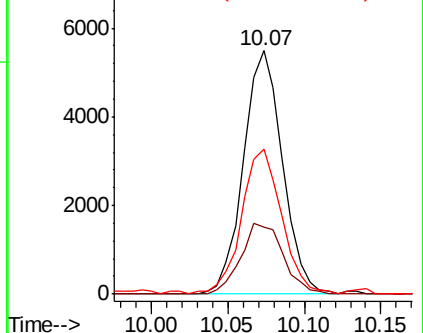
39 59.8 45.6 68.4

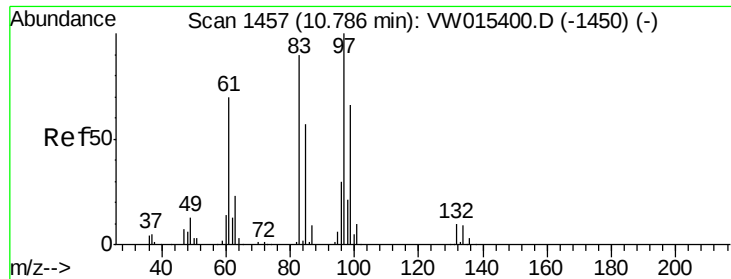


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 2.635 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 4536

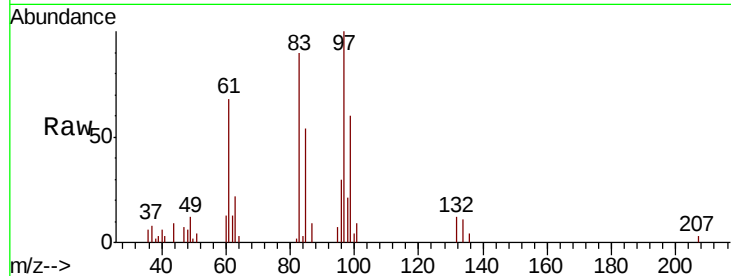
Ion Ratio Lower Upper

97 100

83 90.0 72.2 108.4

85 54.2 45.2 67.8

99 60.1 52.6 78.8

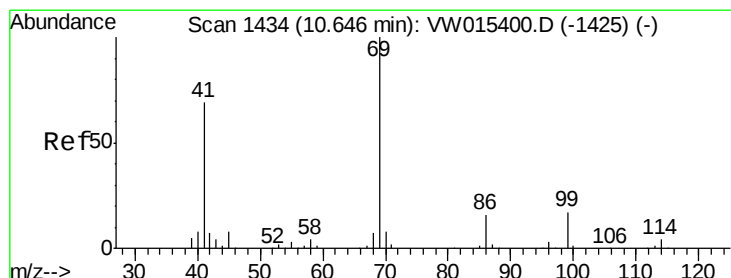
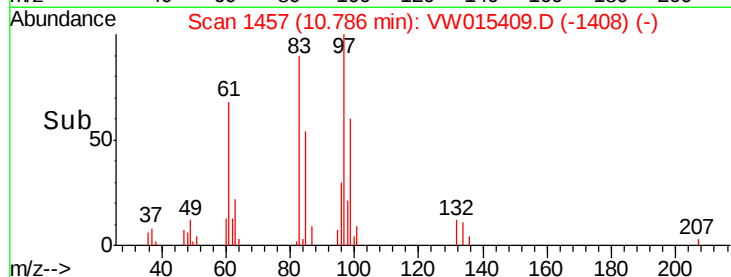
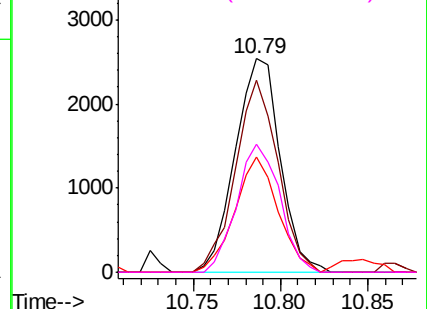


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 2.472 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

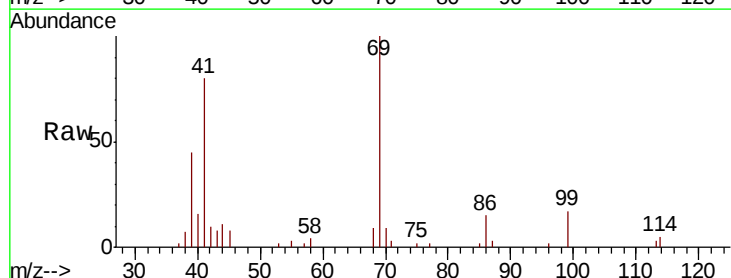
Tgt Ion: 69 Resp: 5846

Ion Ratio Lower Upper

69 100

41 76.9 55.3 82.9

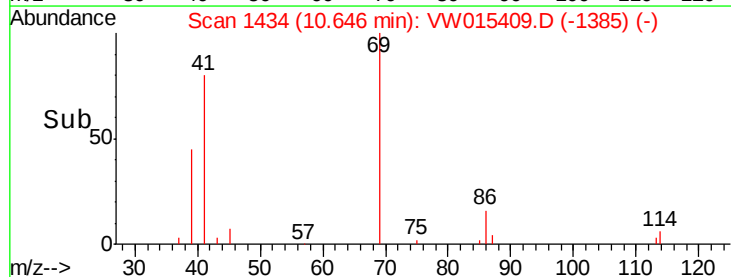
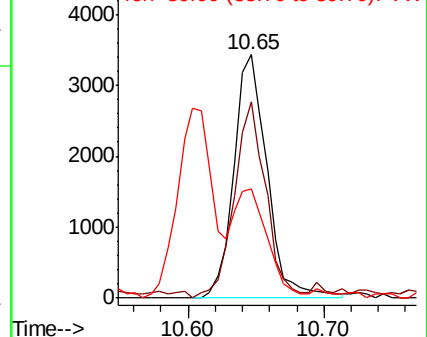
39 42.3 31.9 47.9

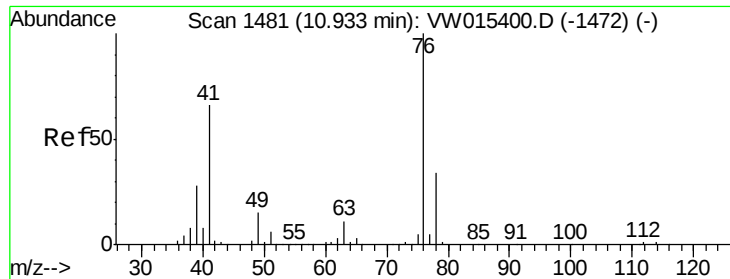


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 2.511 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

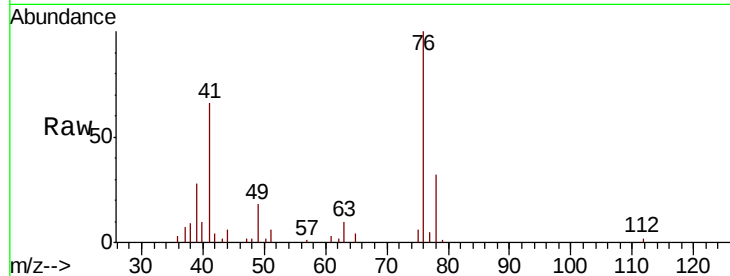
ClientSampled :

Tot Ion: 76 Resp: 7771

Ion Ratio Lower Upper

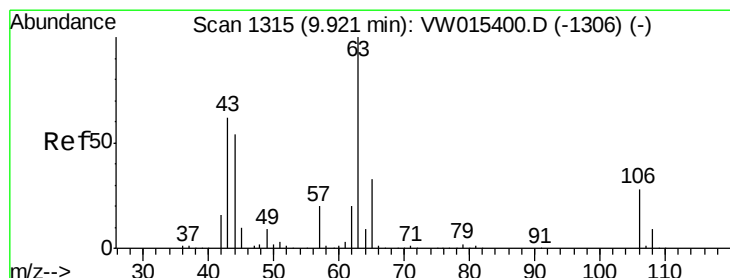
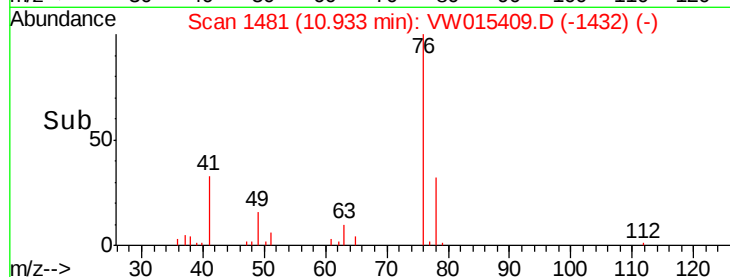
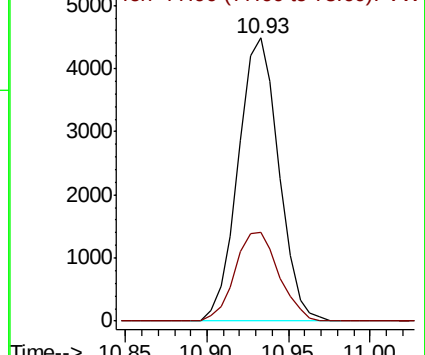
76 100

78 33.9 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 11.509 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW015409.D

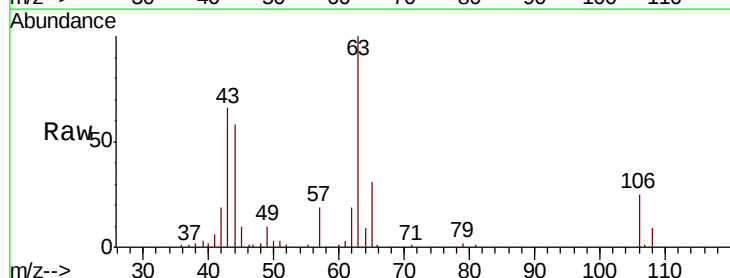
Acq: 06 May 2020 12:23

Tgt Ion: 63 Resp: 13242

Ion Ratio Lower Upper

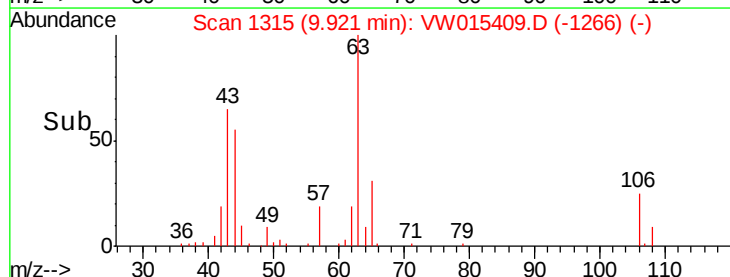
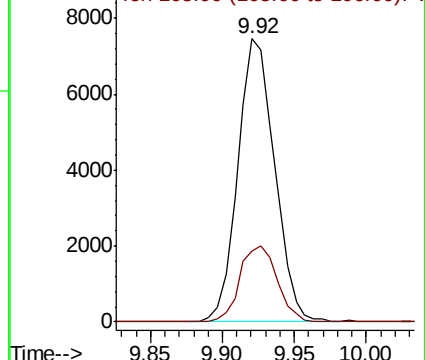
63 100

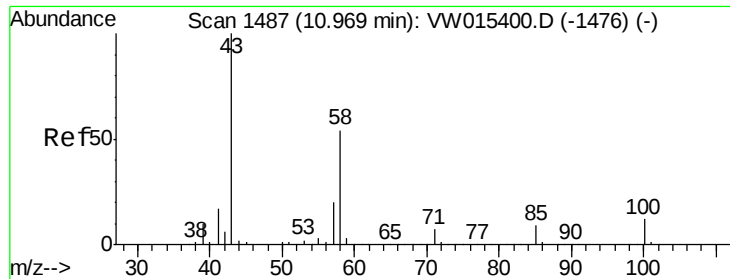
106 27.2 22.6 33.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 13.488 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

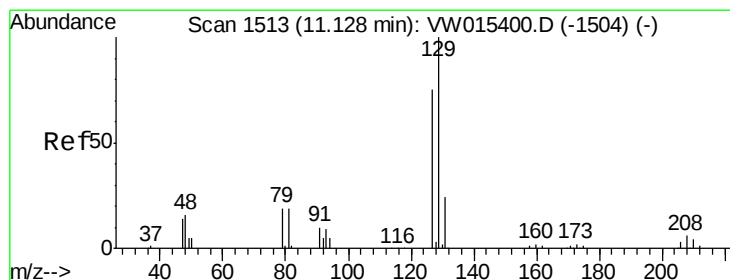
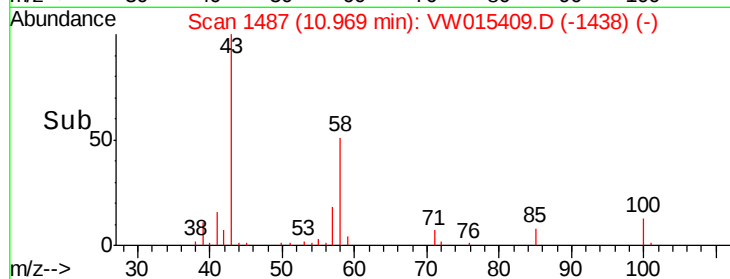
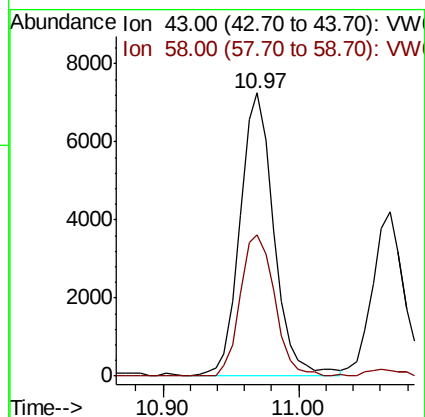
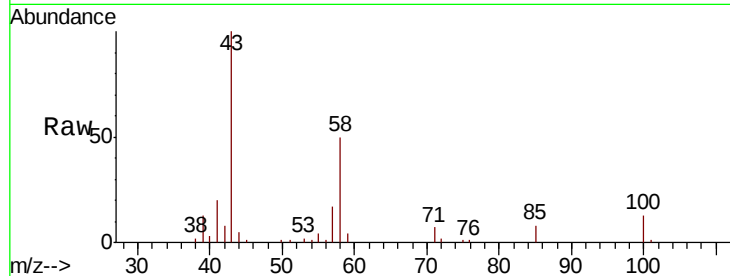
ClientSampled :

Tot Ion: 43 Resp: 12678

Ion Ratio Lower Upper

43 100

58 50.0 26.7 80.0



#60

Dibromochloromethane

Concen: 2.418 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015409.D

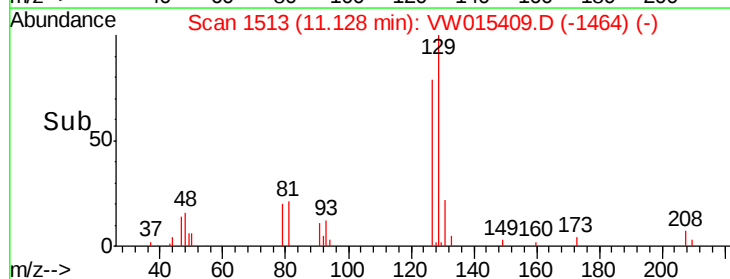
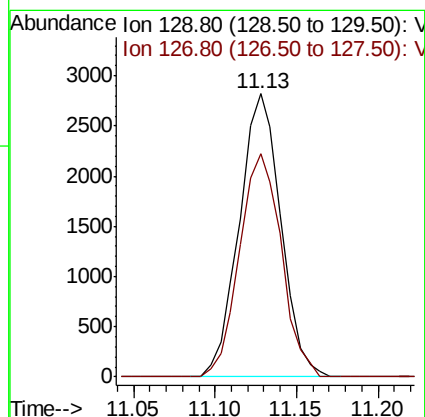
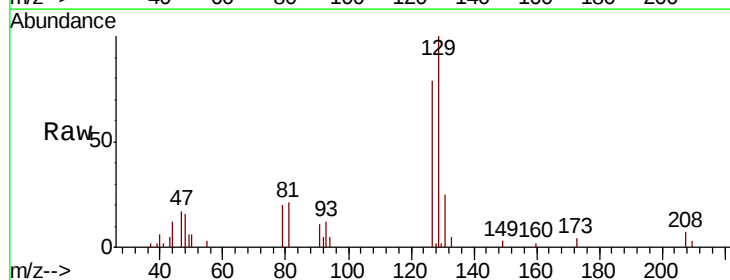
Acq: 06 May 2020 12:23

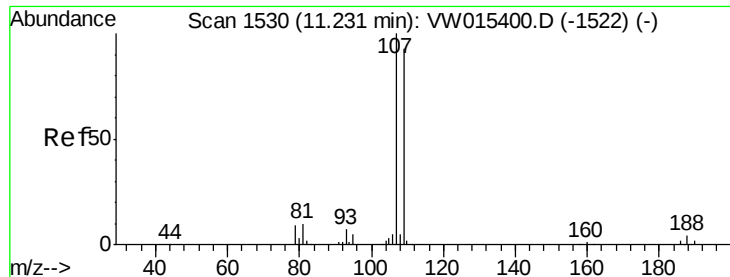
Tgt Ion: 129 Resp: 5006

Ion Ratio Lower Upper

129 100

127 79.2 39.1 117.2

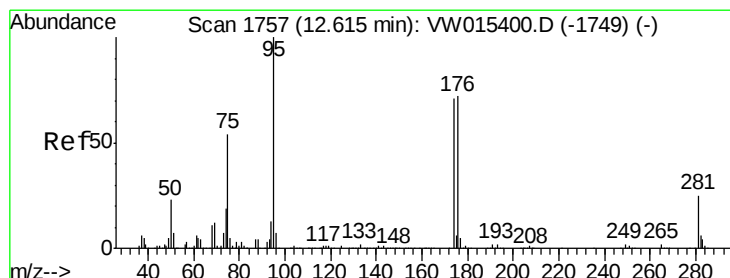
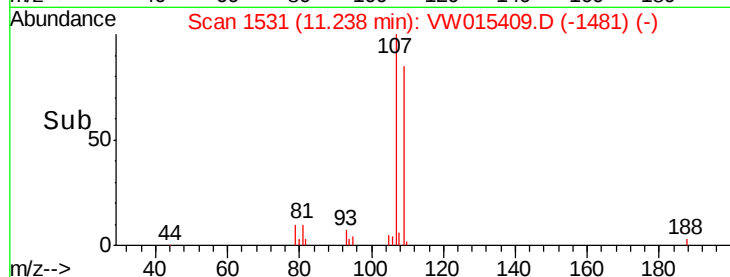
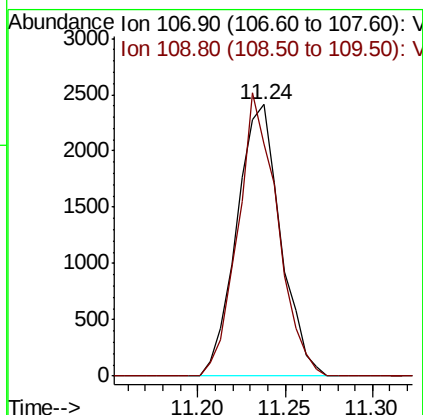
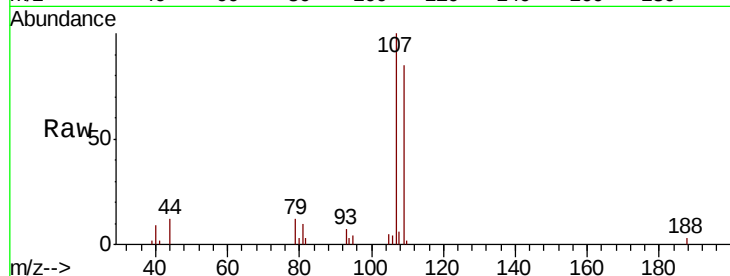




#61
 1,2-Dibromoethane
 Concen: 2.586 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW015409.D
 Acq: 06 May 2020 12:23

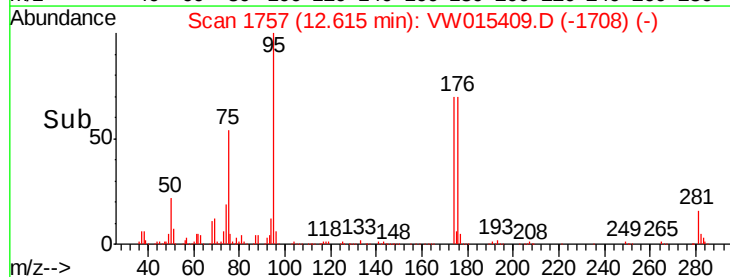
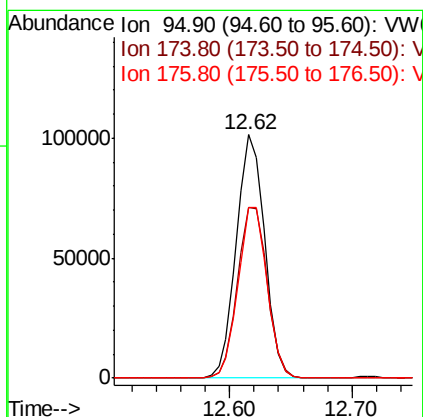
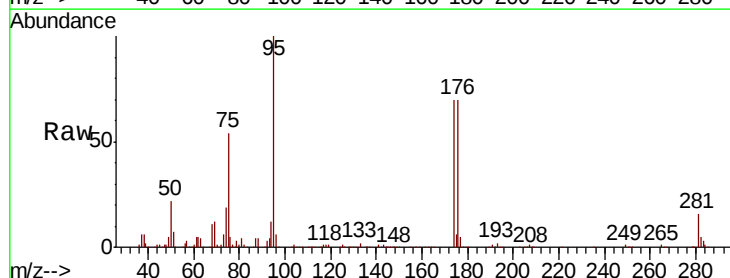
Instrument :
 MSVOA_W
 ClientSampleId :

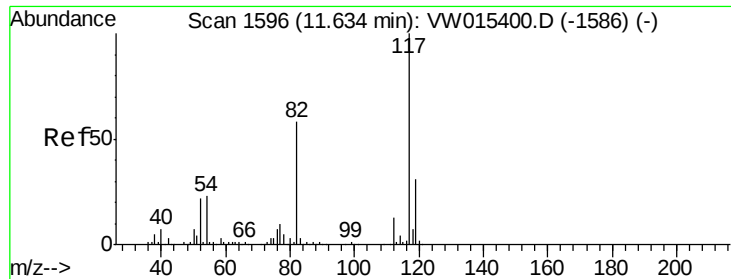
Tot Ion: 107 Resp: 4215
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 50.275 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015409.D
 Acq: 06 May 2020 12:23

Tgt Ion: 95 Resp: 163028
 Ion Ratio Lower Upper
 95 100
 174 73.6 0.0 147.6
 176 71.9 0.0 144.4

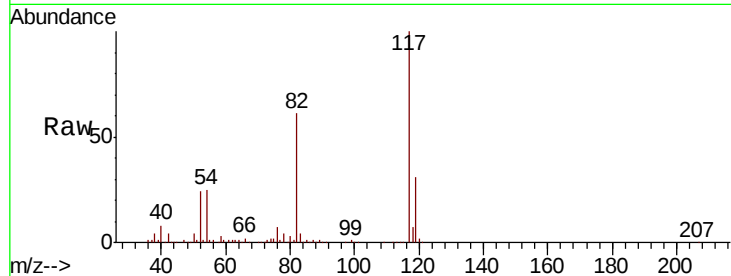




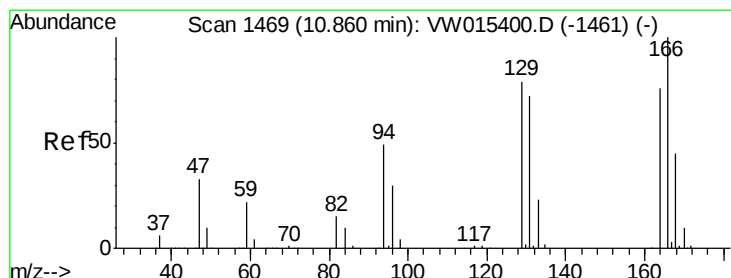
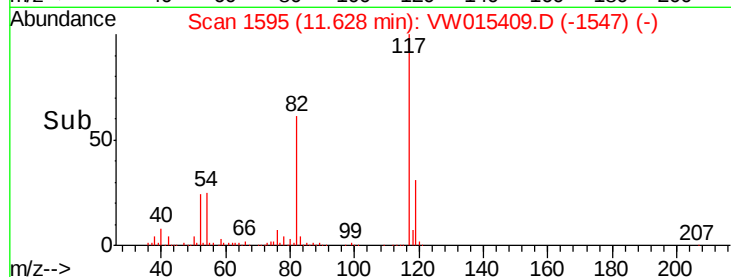
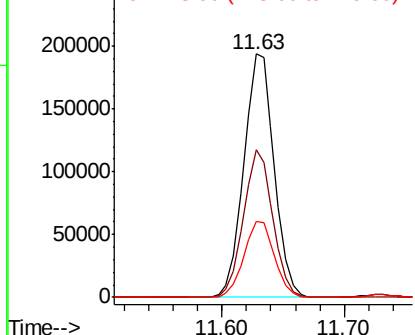
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015409.D
Acq: 06 May 2020 12:23

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 332762
Ion Ratio Lower Upper
117 100
82 60.6 46.4 69.6
119 31.2 24.6 37.0

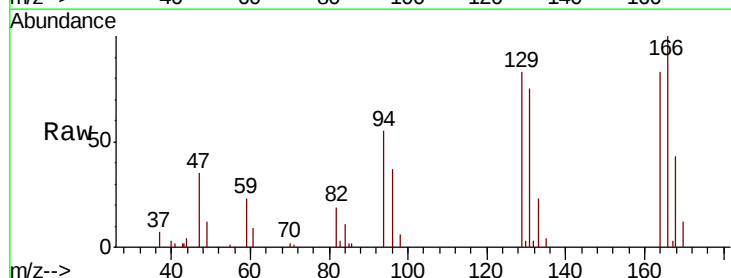


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

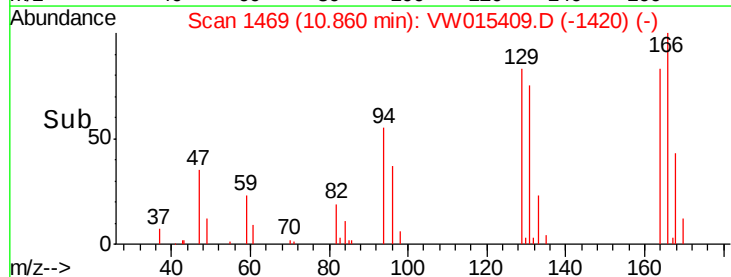
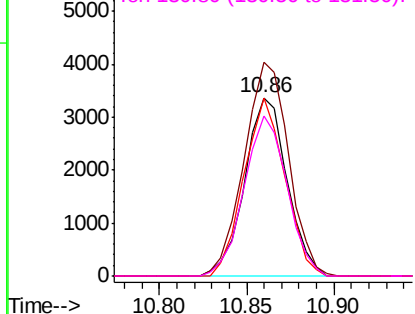


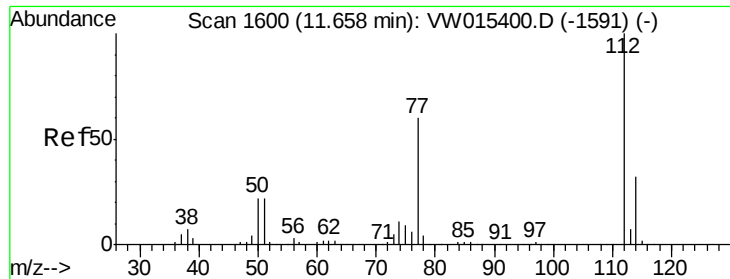
#64
Tetrachloroethene
Concen: 2.782 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015409.D
Acq: 06 May 2020 12:23

Tgt Ion:164 Resp: 5659
Ion Ratio Lower Upper
164 100
166 119.8 104.9 157.3
129 99.7 82.7 124.1
131 90.0 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

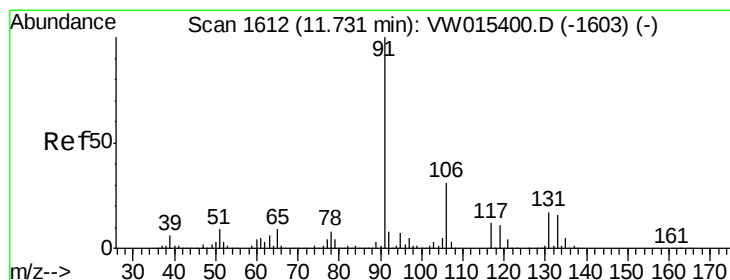
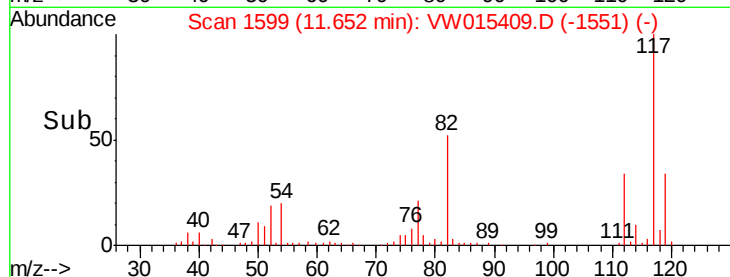
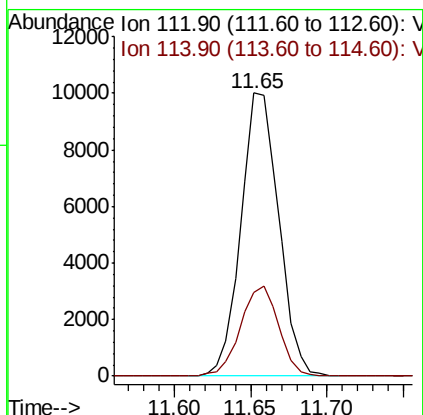
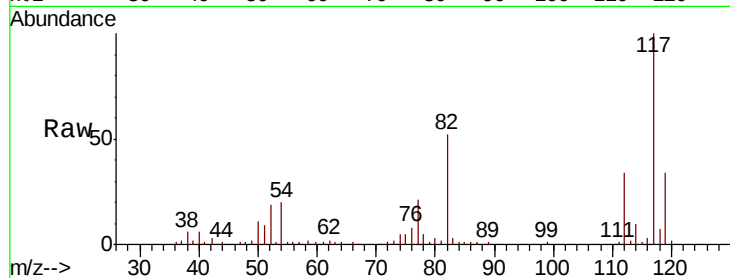




#65
Chlorobenzene
Concen: 2.619 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW015409.D
Acq: 06 May 2020 12:23

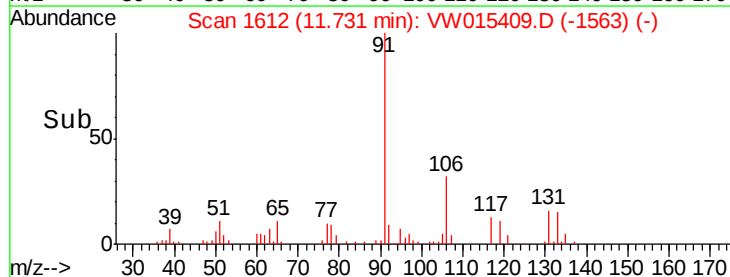
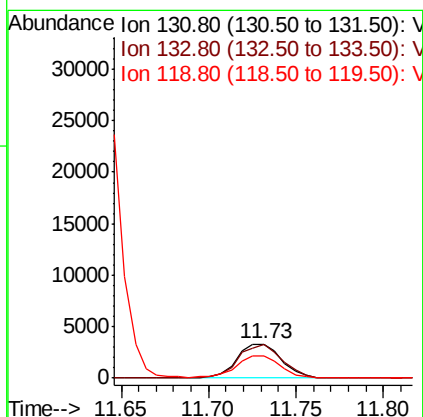
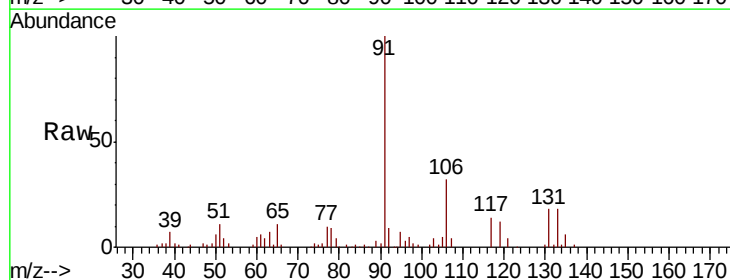
Instrument :
MSVOA_W
ClientSampleId :

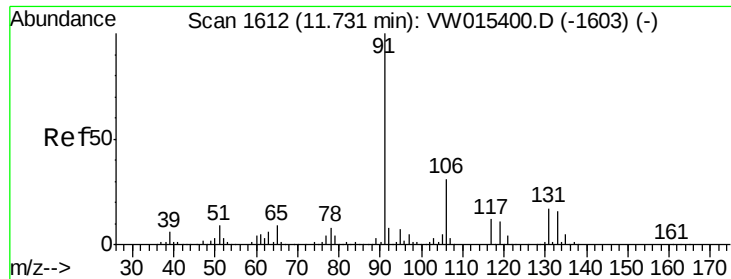
Tot Ion:112 Resp: 17180
Ion Ratio Lower Upper
112 100
114 29.4 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 2.506 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015409.D
Acq: 06 May 2020 12:23

Tgt Ion:131 Resp: 5830
Ion Ratio Lower Upper
131 100
133 96.1 47.9 143.8
119 65.8 33.0 99.0

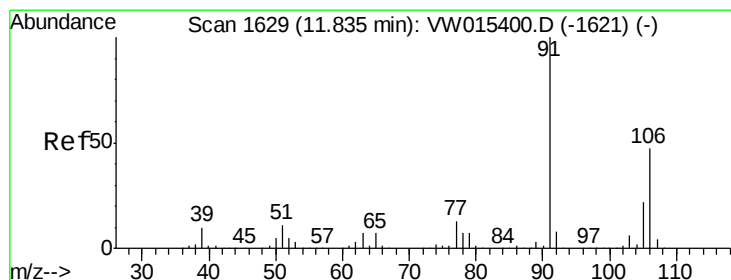
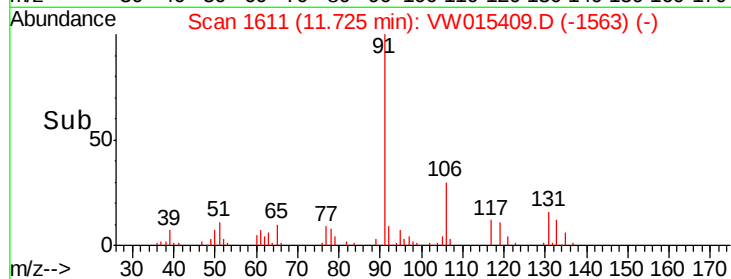
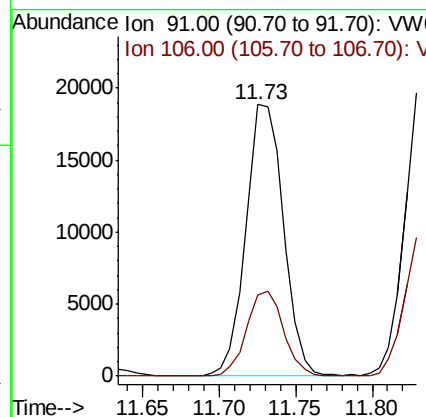
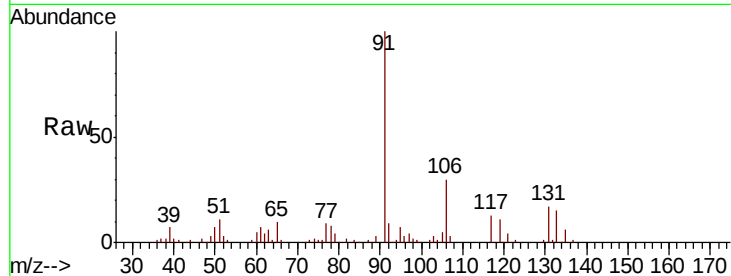




#67
Ethyl Benzene
Concen: 2.574 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW015409.D
Acq: 06 May 2020 12:23

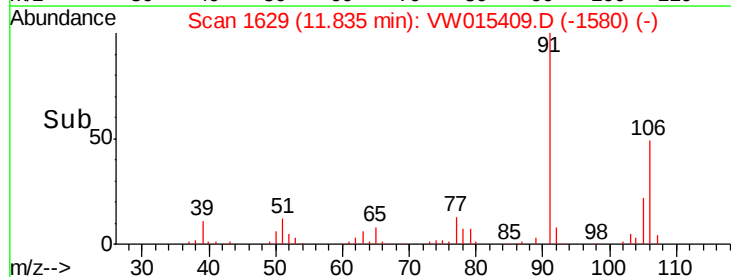
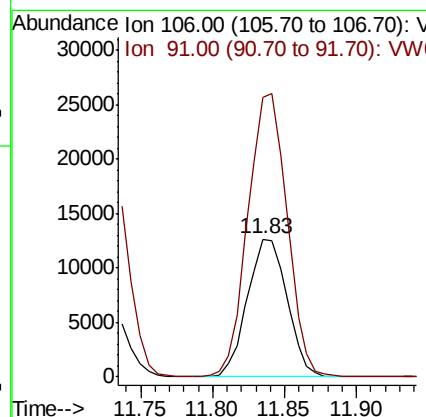
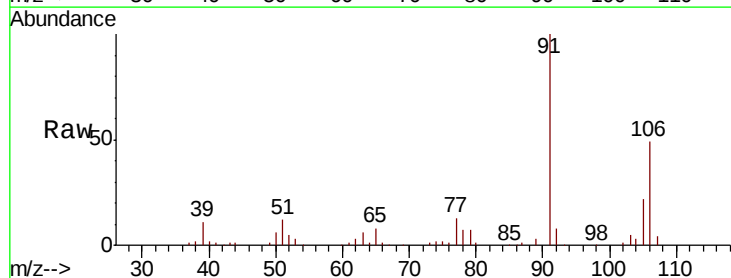
Instrument :
MSVOA_W
ClientSampled :

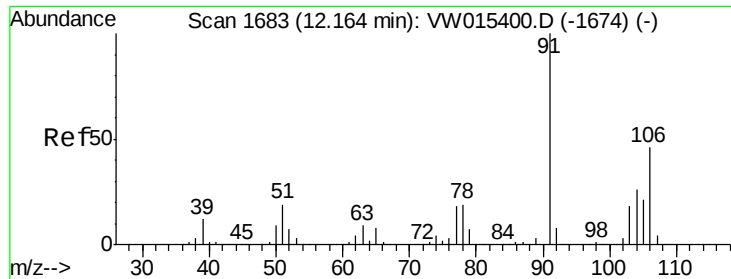
Tot Ion: 91 Resp: 32323
Ion Ratio Lower Upper
91 100
106 29.8 25.2 37.8



#68
m/p-Xylenes
Concen: 5.167 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW015409.D
Acq: 06 May 2020 12:23

Tgt Ion:106 Resp: 24123
Ion Ratio Lower Upper
106 100
91 204.3 165.7 248.5

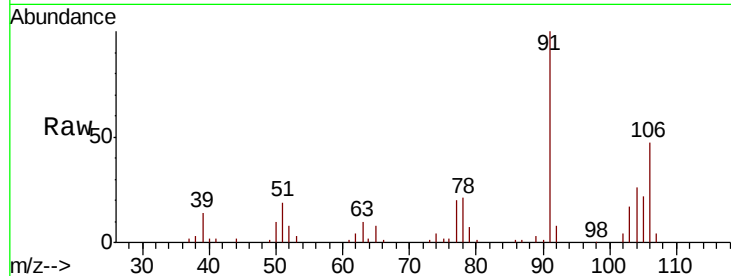




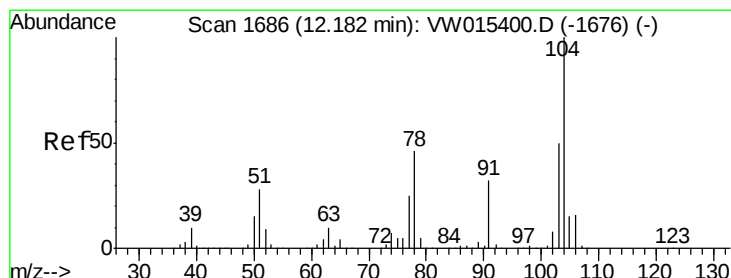
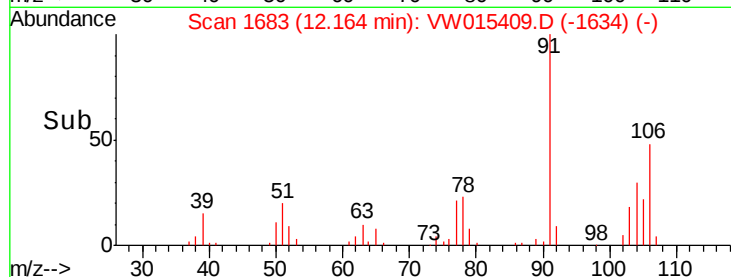
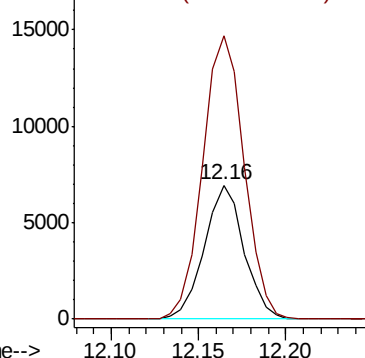
#69
o-Xylene
Concen: 2.496 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015409.D
Acq: 06 May 2020 12:23

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 10952
Ion Ratio Lower Upper
106 100
91 220.8 109.0 327.0

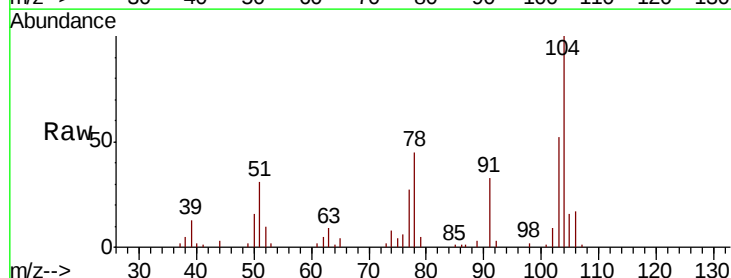


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

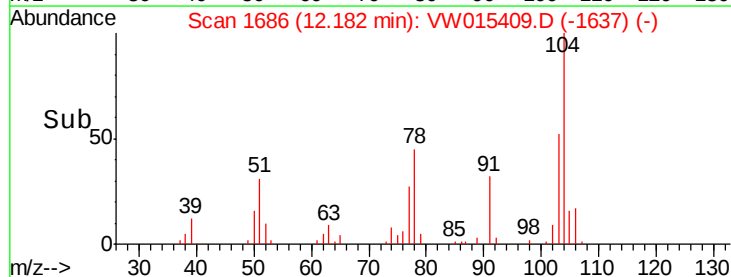
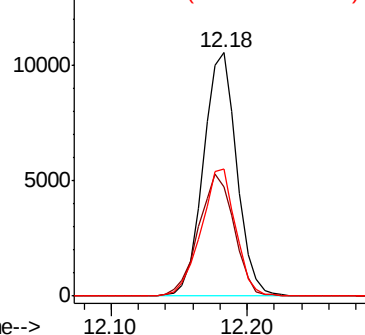


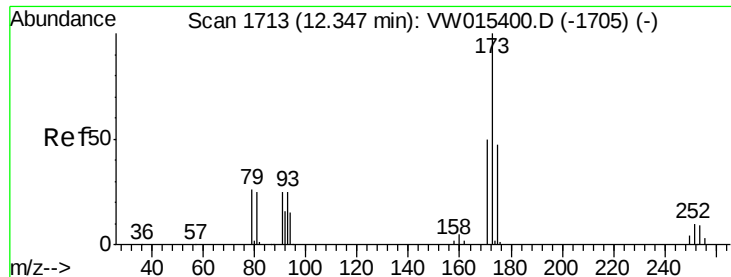
#70
Styrene
Concen: 2.396 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015409.D
Acq: 06 May 2020 12:23

Tgt Ion:104 Resp: 18102
Ion Ratio Lower Upper
104 100
78 53.7 41.8 62.8
103 54.1 43.6 65.4



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





#71

Bromoform

Concen: 2.440 ug/l

RT: 12.34 min Scan# 1712

Delta R.T. -0.01 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

ClientSampleId :

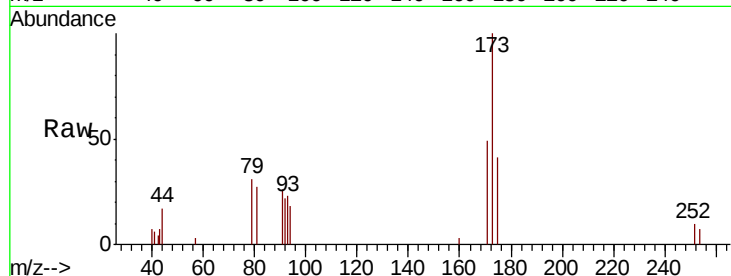
Tot Ion:173 Resp: 2768

Ion Ratio Lower Upper

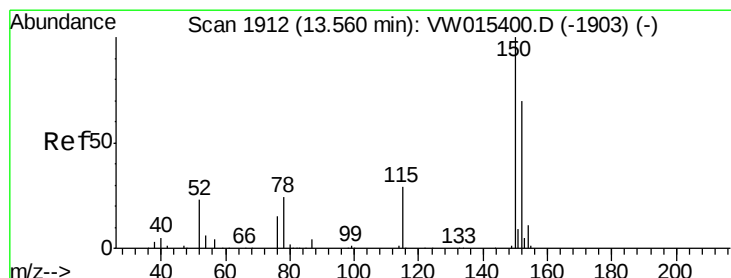
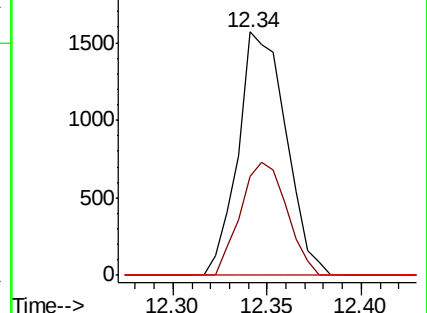
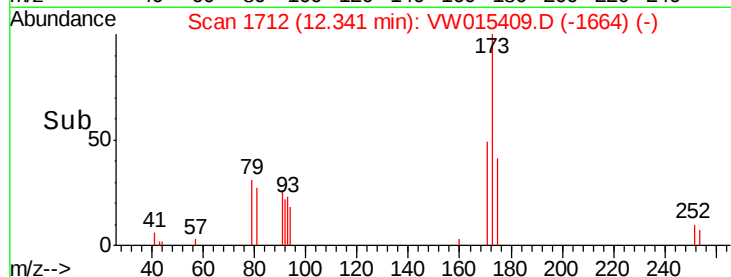
173 100

175 44.7 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: VW015409.D

Acq: 06 May 2020 12:23

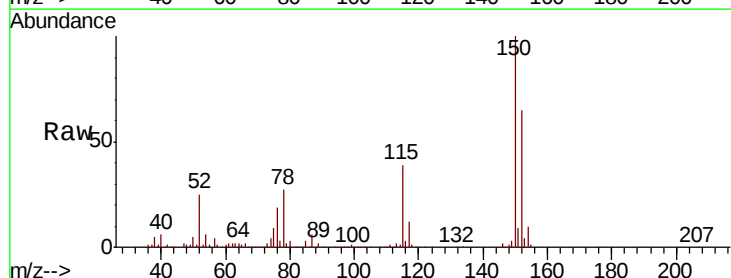
Tgt Ion:152 Resp: 159478

Ion Ratio Lower Upper

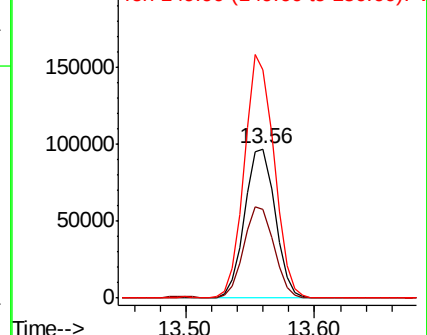
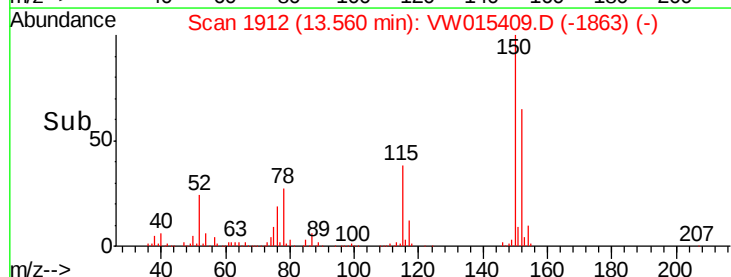
152 100

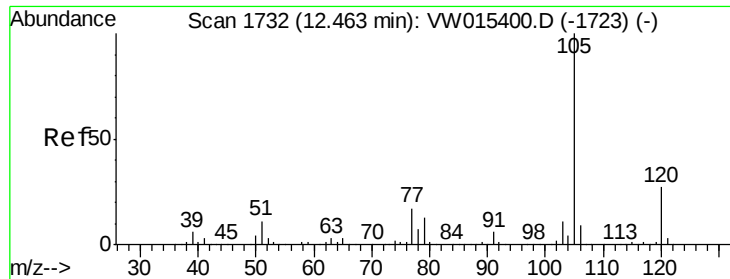
115 60.5 30.3 90.8

150 158.4 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: 2.600 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

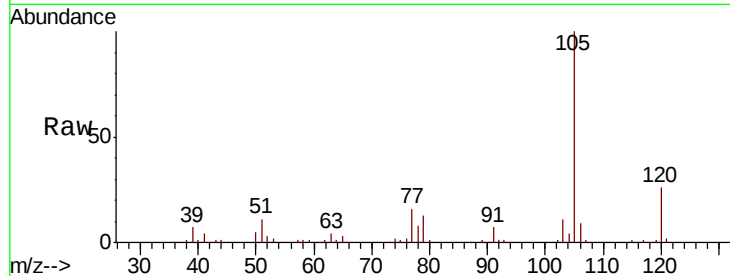
ClientSampleId :

Tot Ion:105 Resp: 30951

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

20000

15000

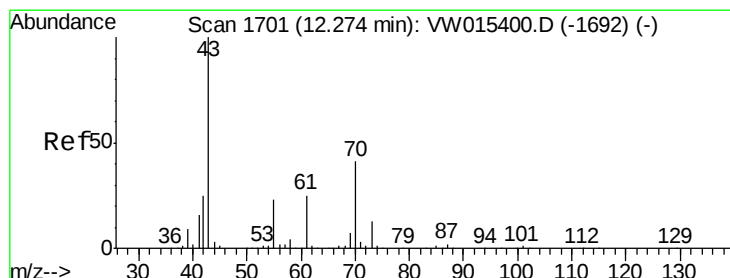
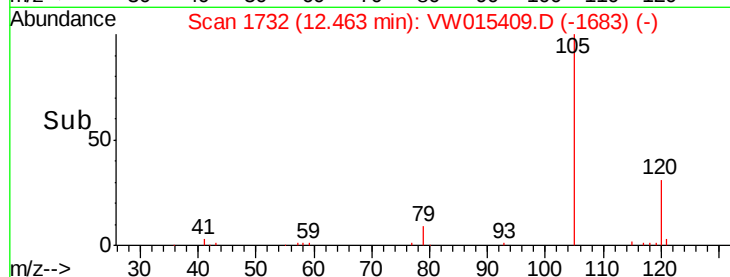
10000

5000

0

12.40 12.45 12.50

Time-->



#74

N-ethyl acetate

Concen: 2.786 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Tgt Ion: 43 Resp: 7842

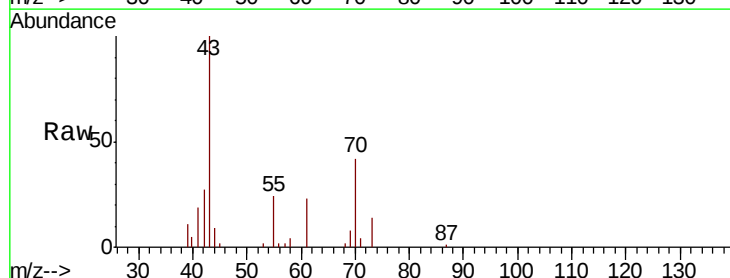
Ion Ratio Lower Upper

43 100

70 36.4 33.4 50.0

55 23.9 18.9 28.3

61 21.4 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

6000

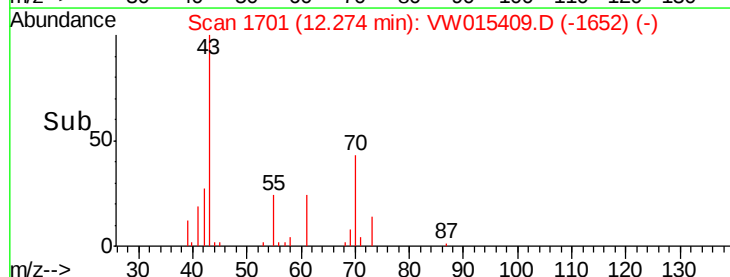
4000

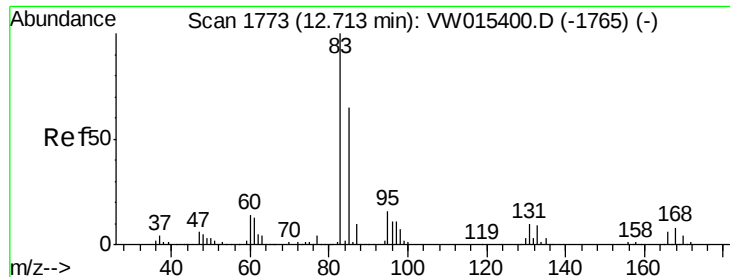
2000

0

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 2.699 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

ClientSampled :

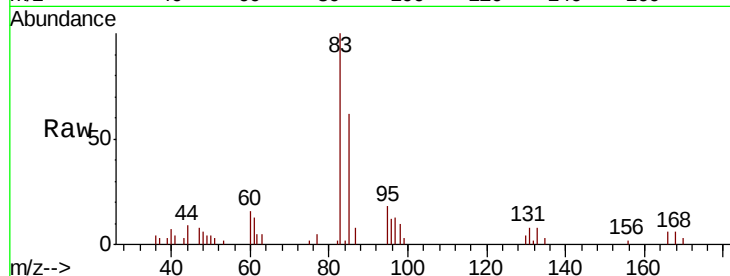
Tot Ion: 83 Resp: 5027

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.2

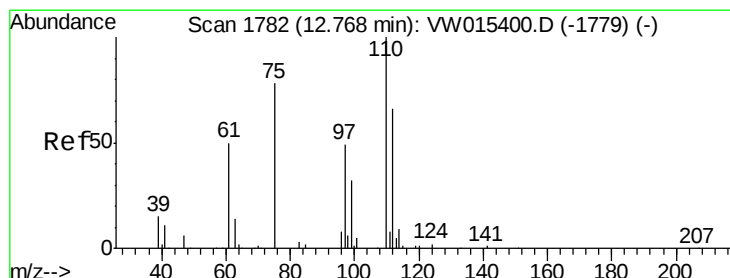
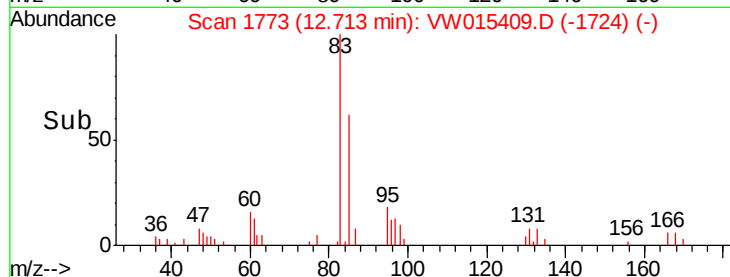
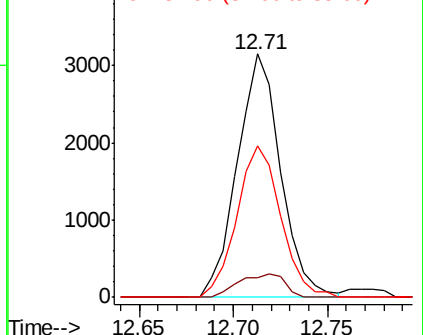
85 62.8 32.2 96.6



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: 5.258 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015409.D

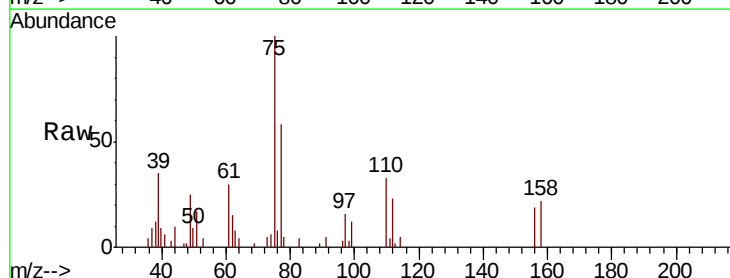
Acq: 06 May 2020 12:23

Tgt Ion: 75 Resp: 6898

Ion Ratio Lower Upper

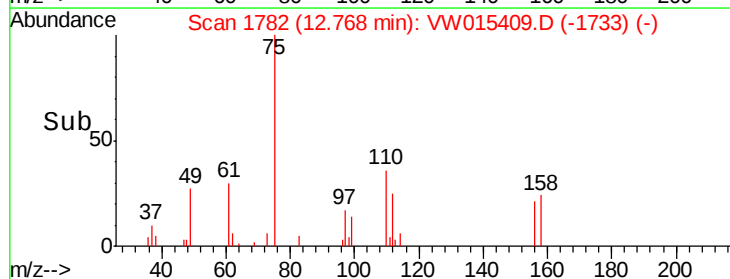
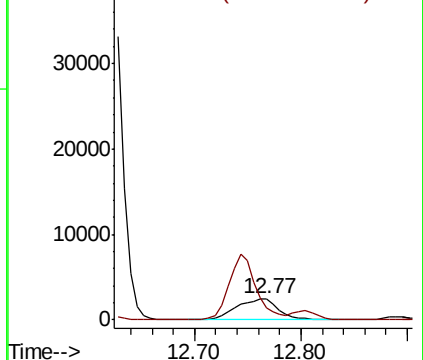
75 100

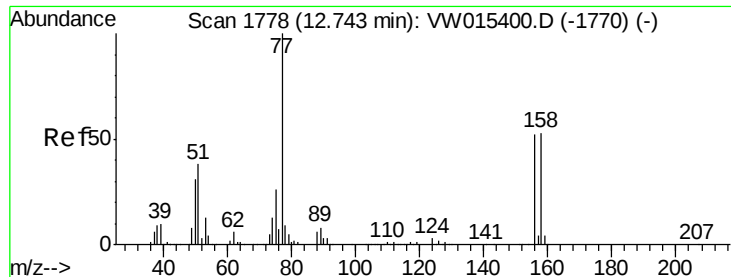
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 2.711 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

ClientSampled :

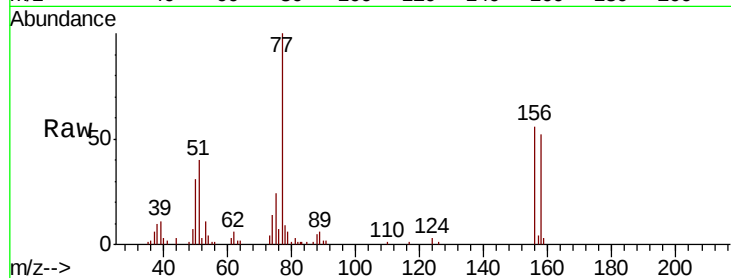
Tot Ion:156 Resp: 6839

Ion Ratio Lower Upper

156 100

77 200.8 101.8 305.6

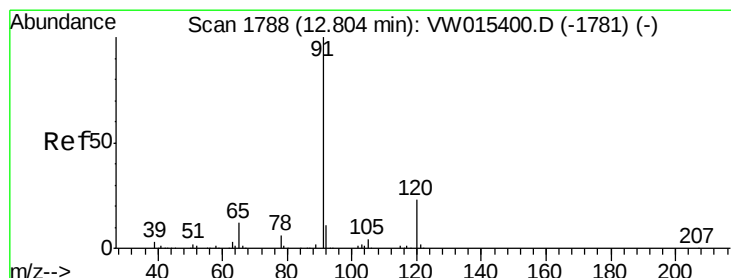
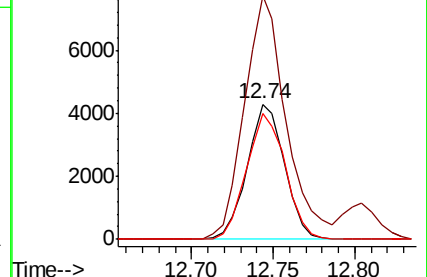
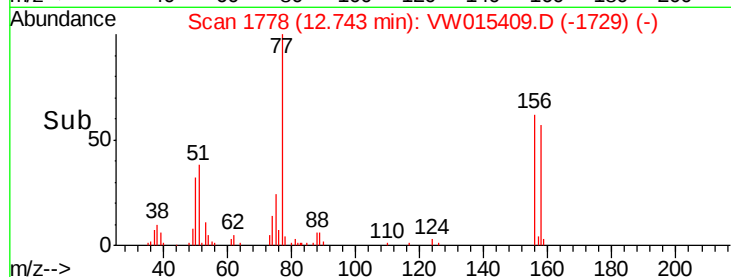
158 96.8 48.3 144.8



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: 2.636 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015409.D

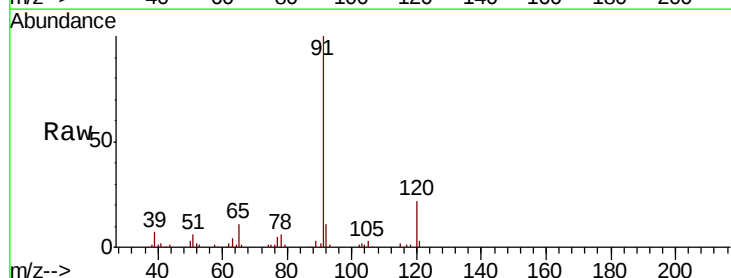
Acq: 06 May 2020 12:23

Tgt Ion: 91 Resp: 37661

Ion Ratio Lower Upper

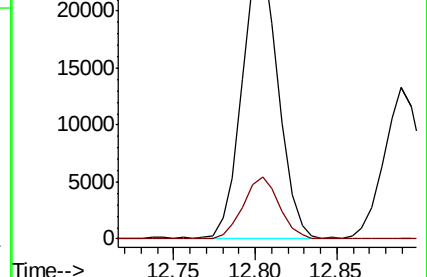
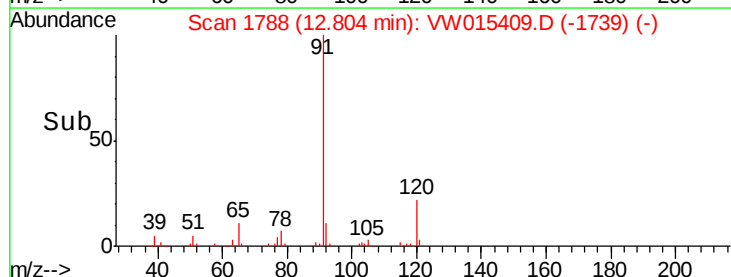
91 100

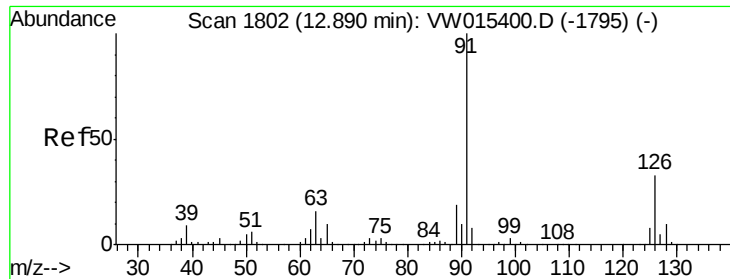
120 22.2 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

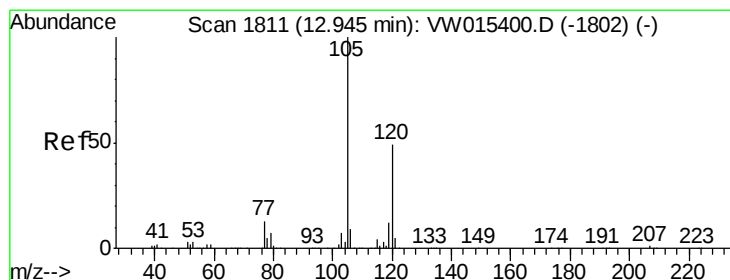
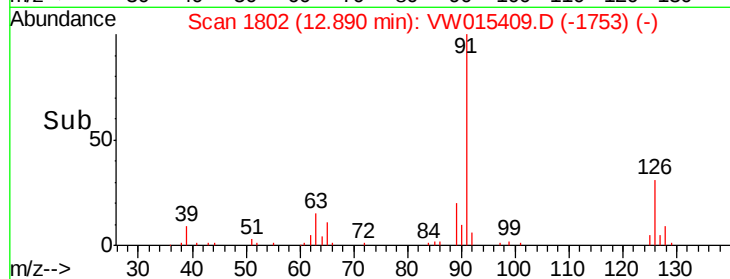
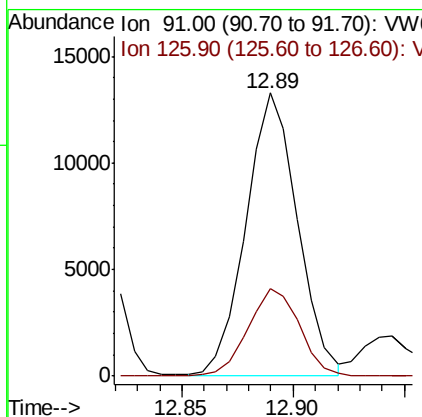
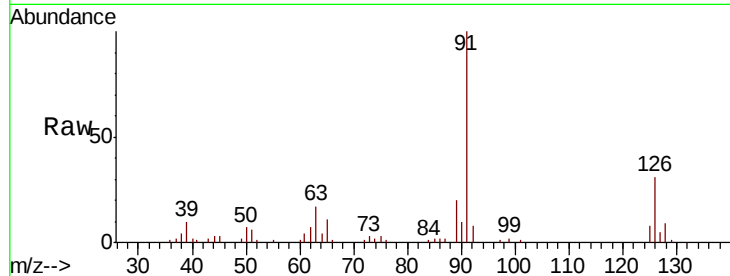




#79
 2-Chlorotoluene
 Concen: 2.642 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW015409.D
 Acq: 06 May 2020 12:23

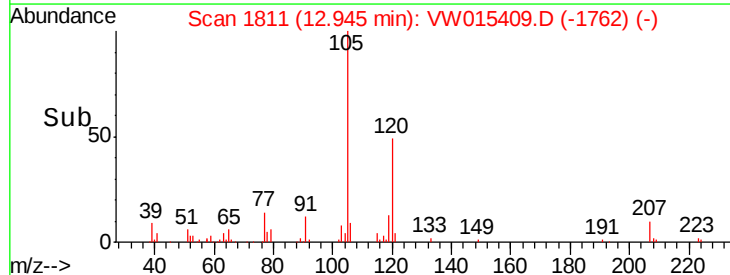
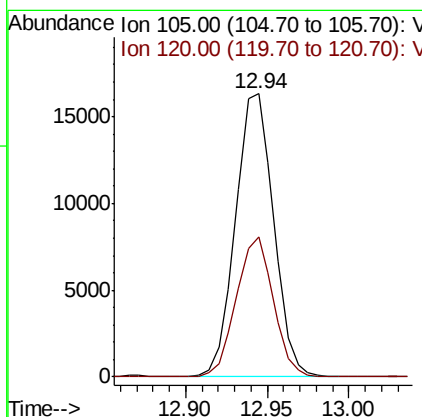
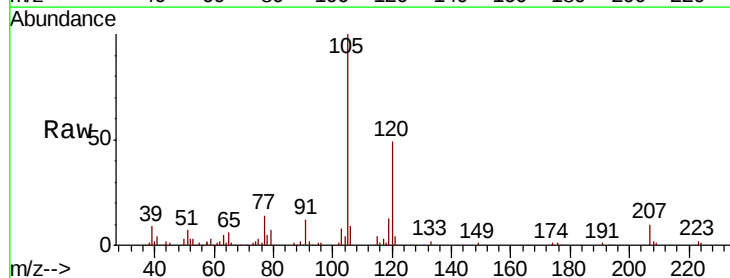
Instrument :
 MSVOA_W
 ClientSampled :

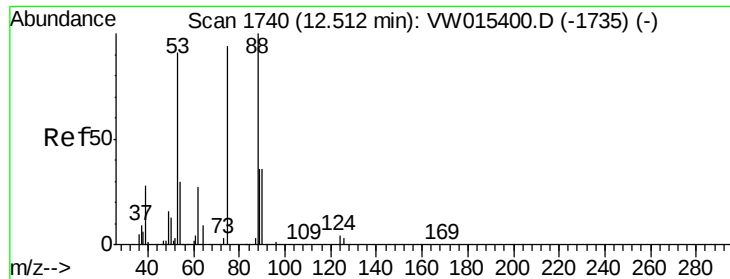
Tot Ion: 91 Resp: 21271
 Ion Ratio Lower Upper
 91 100
 126 30.8 16.1 48.2



#80
 1,3,5-Trimethylbenzene
 Concen: 2.652 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW015409.D
 Acq: 06 May 2020 12:23

Tgt Ion: 105 Resp: 26594
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 134.403 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

ClientSampleId :

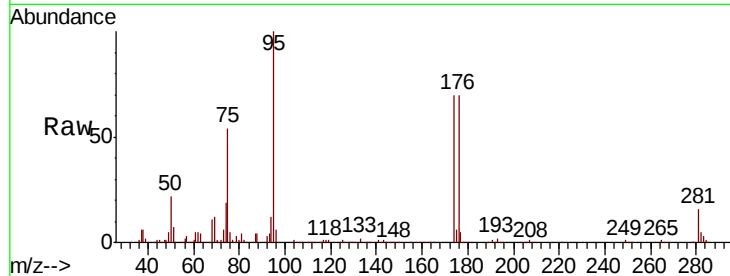
Tot Ion: 75 Resp: 89144

Ion Ratio Lower Upper

75 100

53 0.0 82.5 123.7#

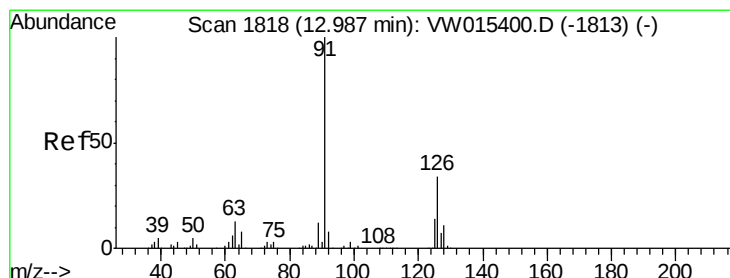
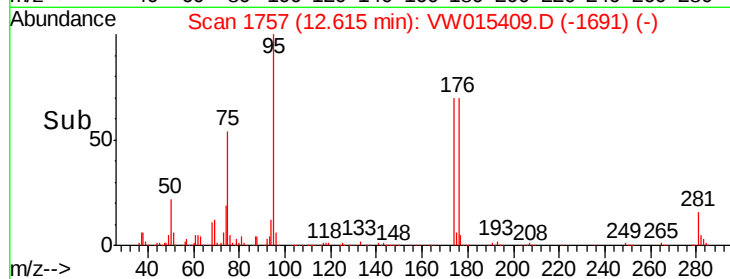
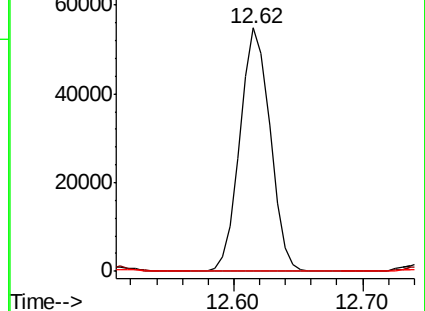
89 0.2 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 2.677 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW015409.D

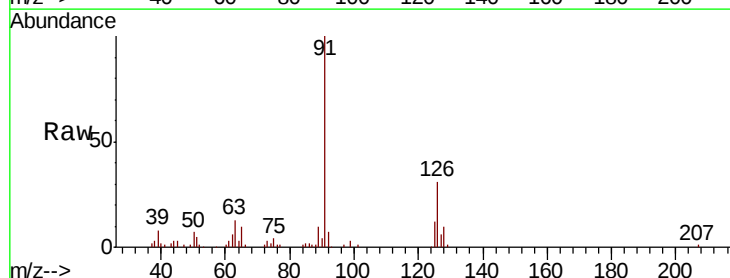
Acq: 06 May 2020 12:23

Tgt Ion: 91 Resp: 22847

Ion Ratio Lower Upper

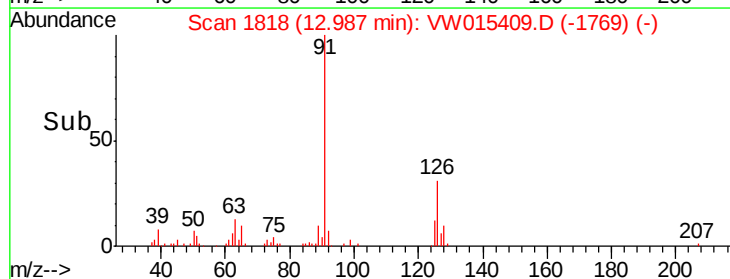
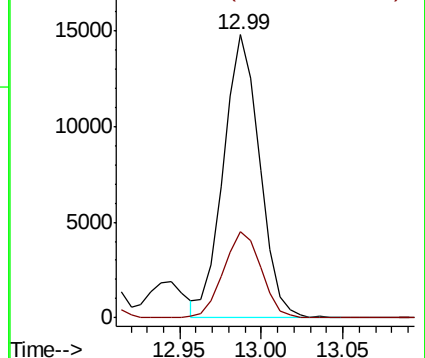
91 100

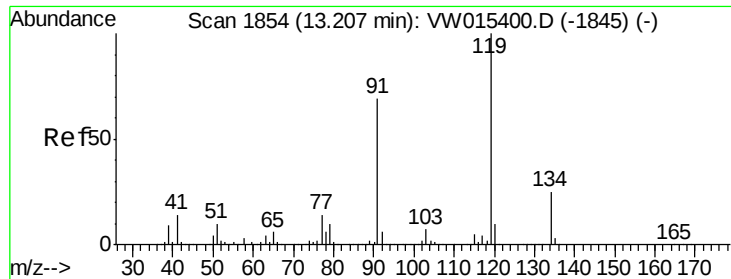
126 31.7 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 2.653 ug/l

RT: 13.20 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

ClientSampleId :

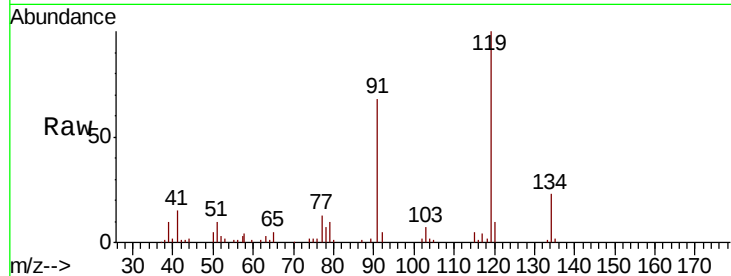
Tot Ion:119 Resp: 22700

Ion Ratio Lower Upper

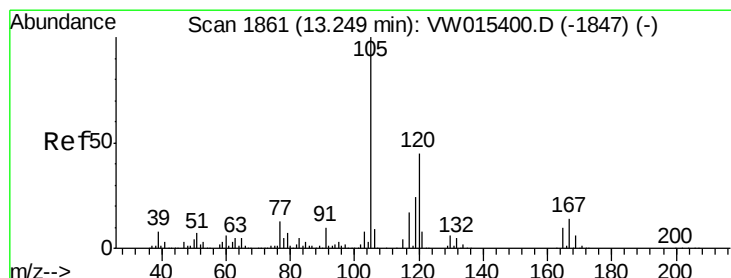
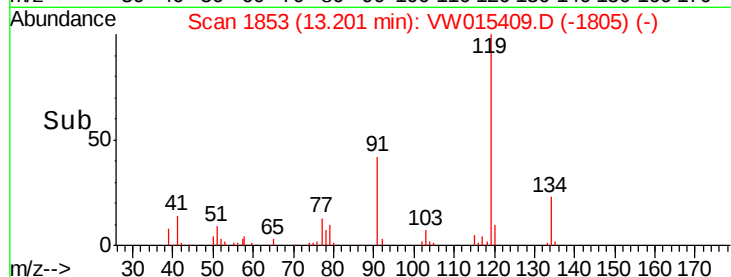
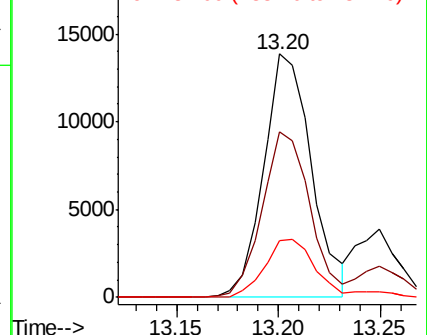
119 100

91 67.6 33.8 101.4

134 24.9 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: 2.596 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW015409.D

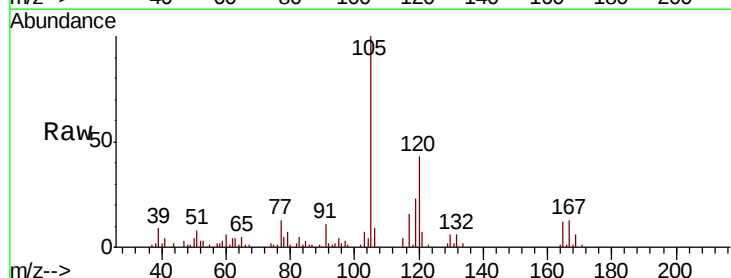
Acq: 06 May 2020 12:23

Tgt Ion:105 Resp: 26047

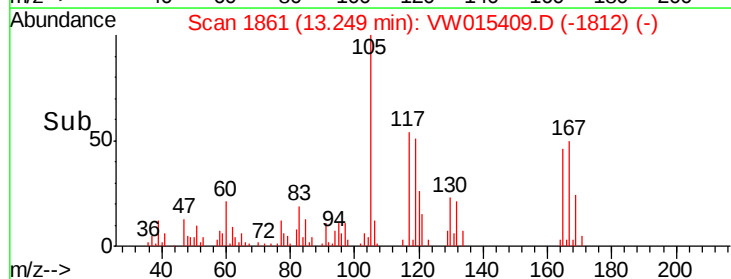
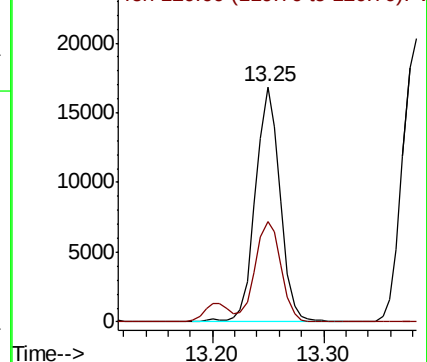
Ion Ratio Lower Upper

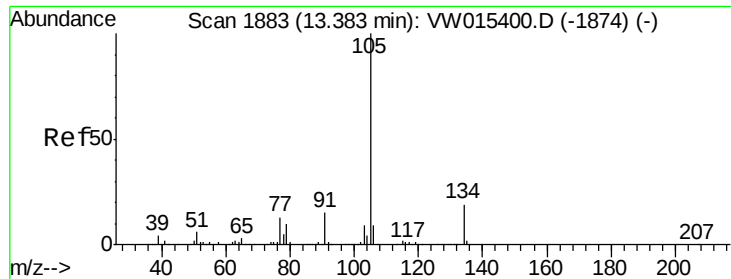
105 100

120 44.8 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: 2.580 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

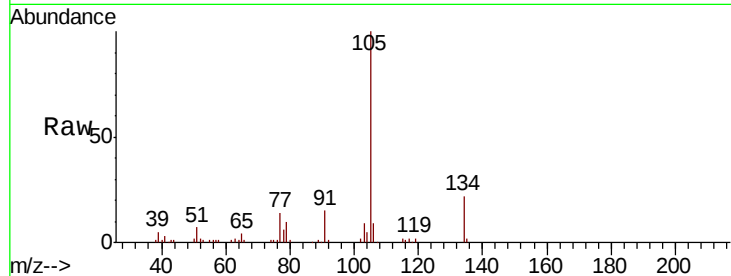
ClientSampleId :

Tot Ion:105 Resp: 31104

Ion Ratio Lower Upper

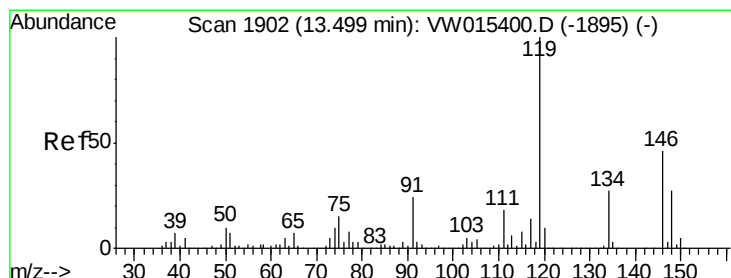
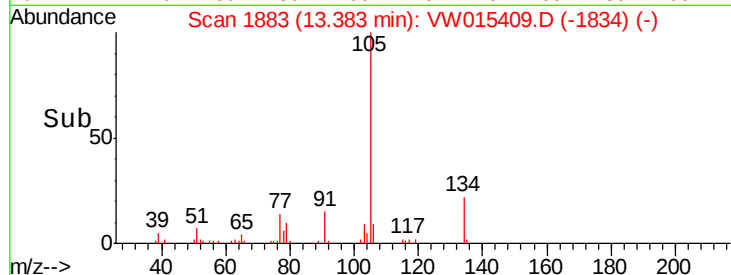
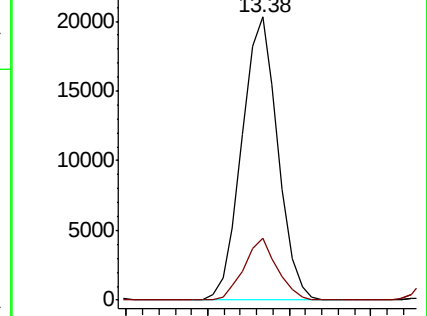
105 100

134 20.3 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: 2.565 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

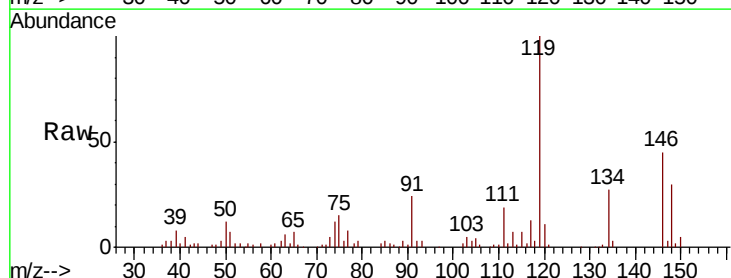
Tgt Ion:119 Resp: 28206

Ion Ratio Lower Upper

119 100

134 26.1 12.8 38.4

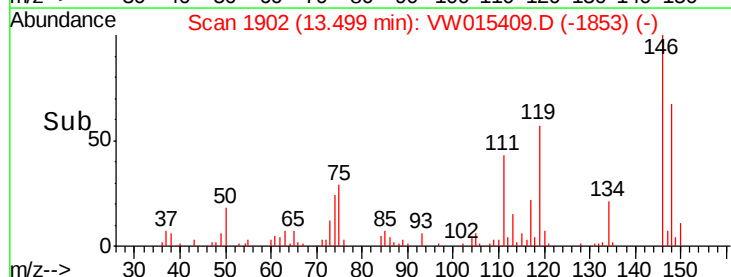
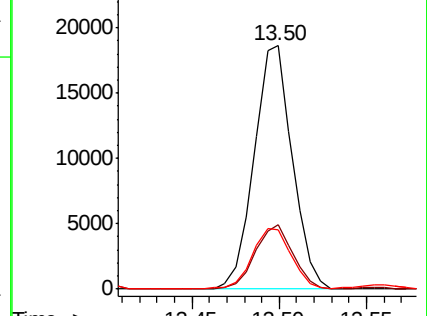
91 25.6 12.1 36.3

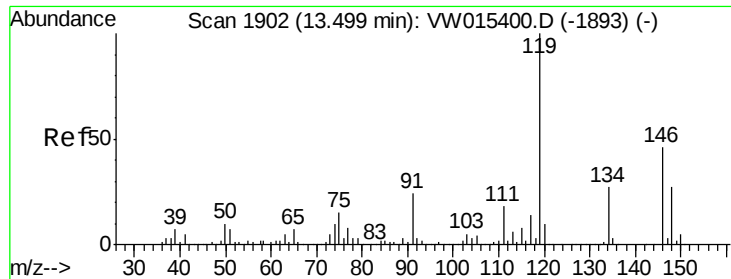


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 2.656 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

ClientSampleId :

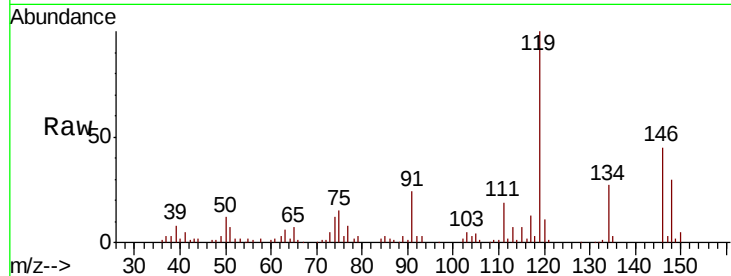
Tot Ion:146 Resp: 13351

Ion Ratio Lower Upper

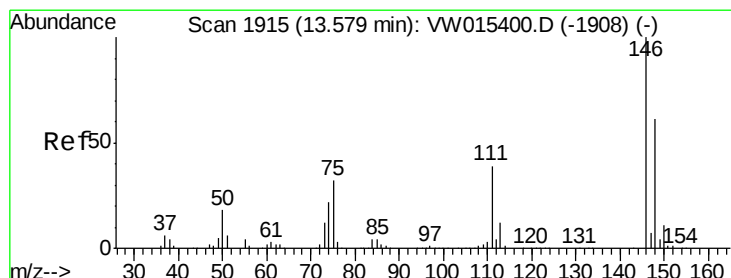
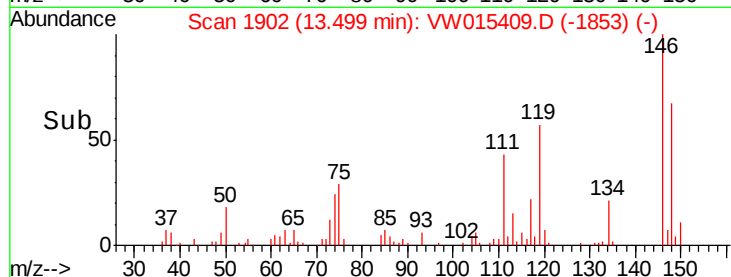
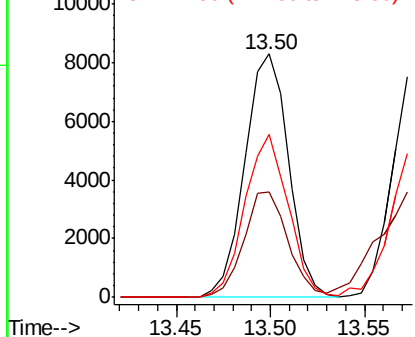
146 100

111 43.7 20.5 61.5

148 66.2 31.4 94.0



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



#88

1,4-Dichlorobenzene

Concen: 2.778 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

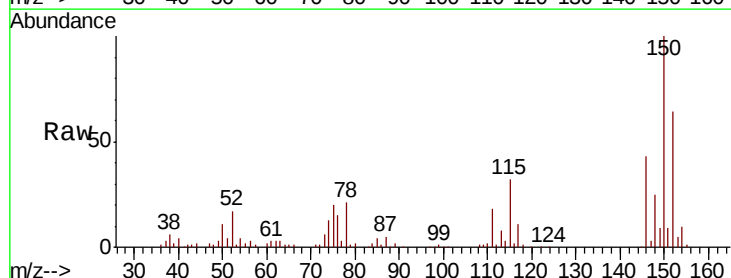
Tgt Ion:146 Resp: 13828

Ion Ratio Lower Upper

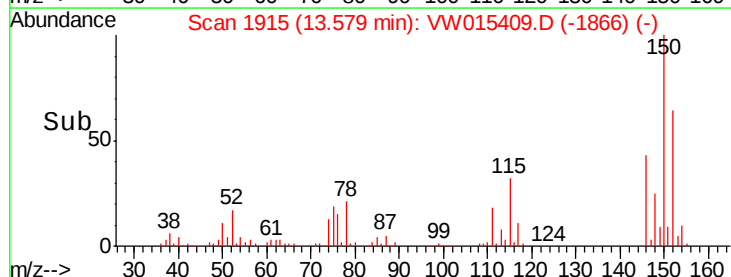
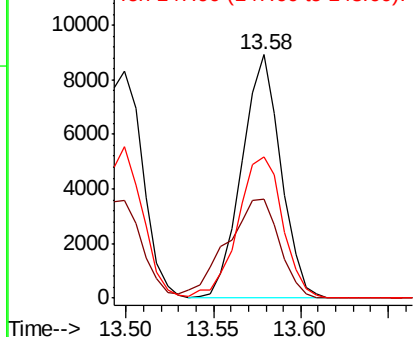
146 100

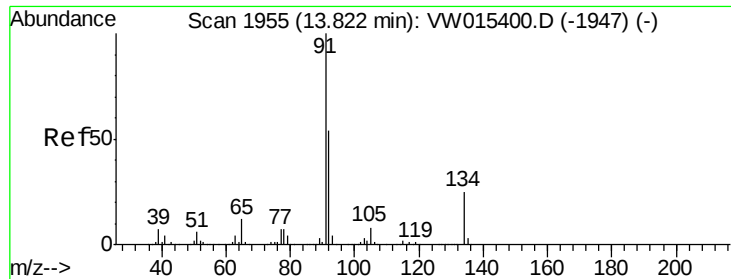
111 55.3 20.0 60.0

148 66.9 31.4 94.3



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





#89

n-Butylbenzene

Concen: 2.551 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

ClientSampled :

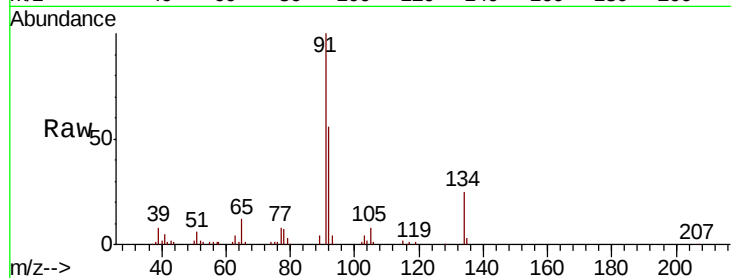
Tot Ion: 91 Resp: 27457

Ion Ratio Lower Upper

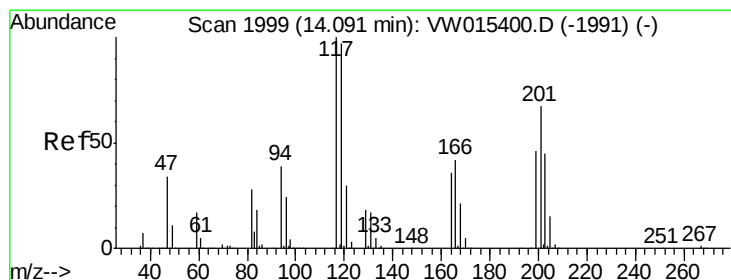
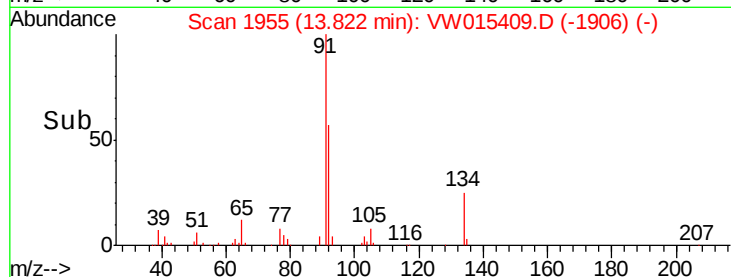
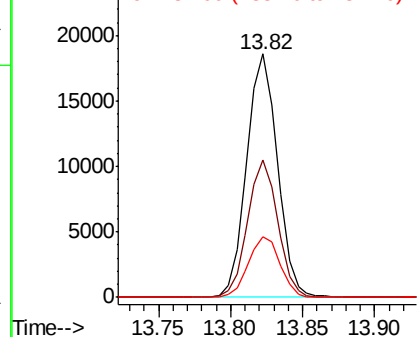
91 100

92 55.2 27.2 81.6

134 25.7 12.6 37.6



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



#90

Hexachloroethane

Concen: 2.543 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015409.D

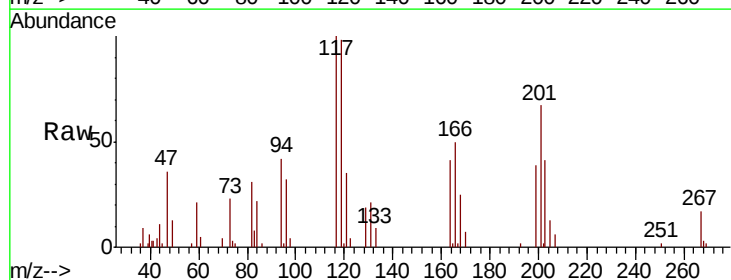
Acq: 06 May 2020 12:23

Tgt Ion: 117 Resp: 5153

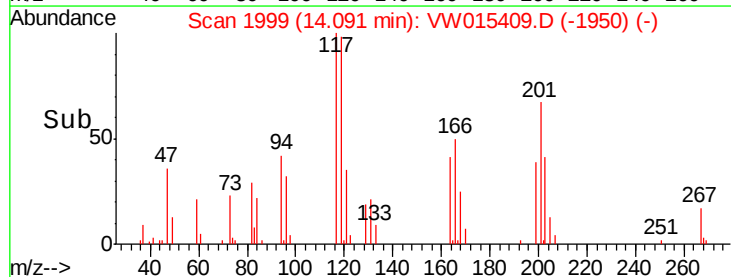
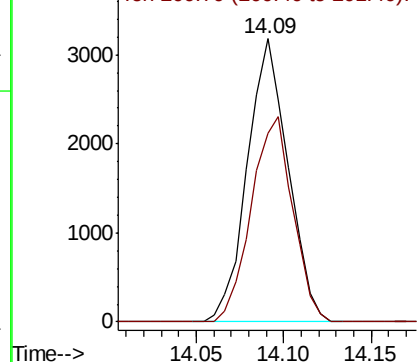
Ion Ratio Lower Upper

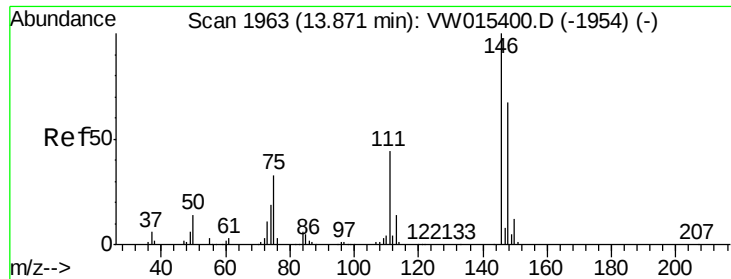
117 100

201 73.7 35.9 107.8



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





#91

1,2-Dichlorobenzene

Concen: 2.747 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015409.D

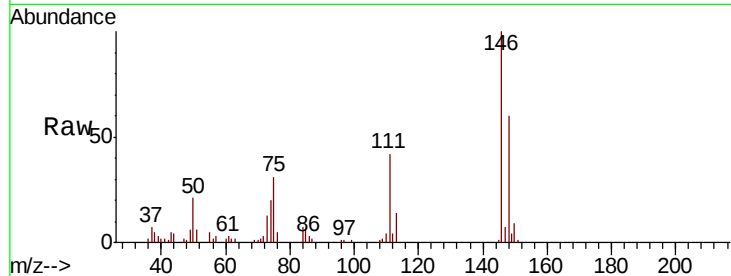
Acq: 06 May 2020 12:23

Instrument :

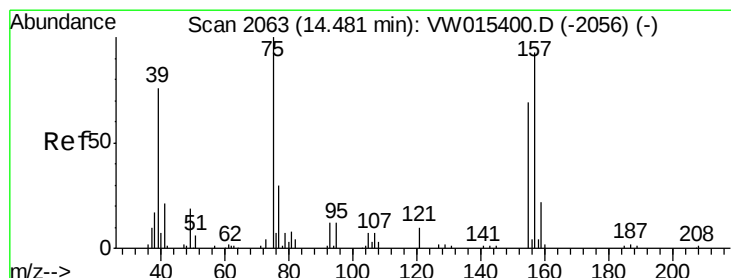
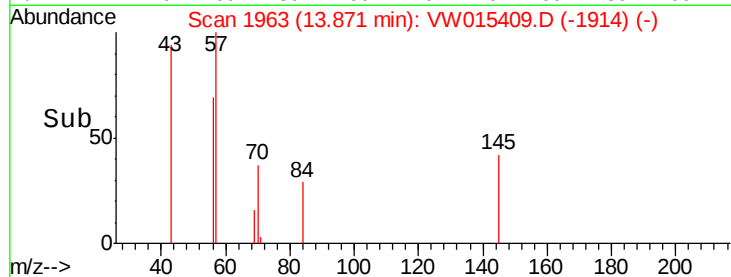
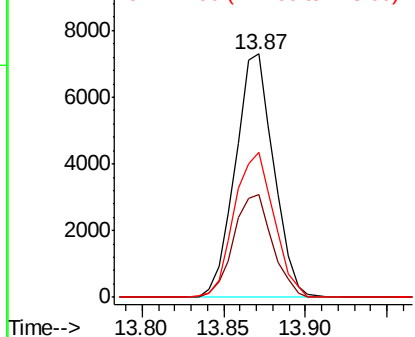
MSVOA_W

ClientSampleId :

Tot Ion:	146	Resp:	11955
Ion	Ratio	Lower	Upper
146	100		
111	42.6	22.1	66.3
148	61.9	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: 2.872 ug/l

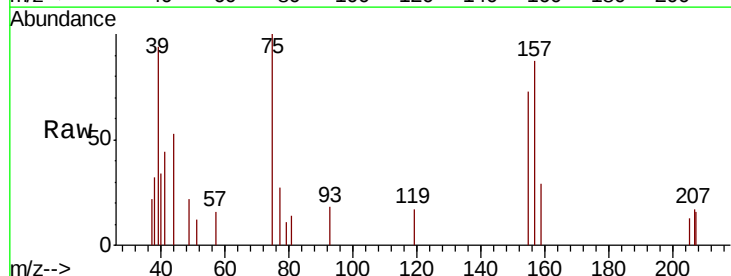
RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

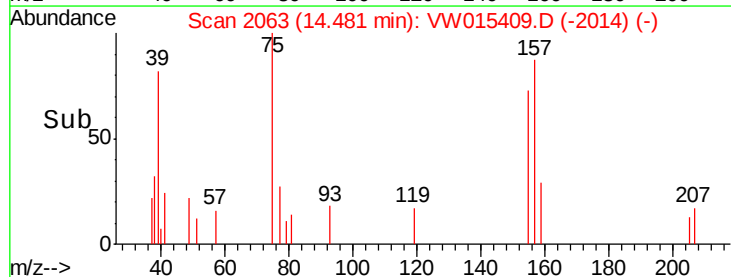
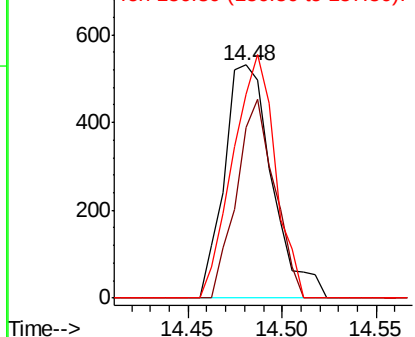
Lab File: VW015409.D

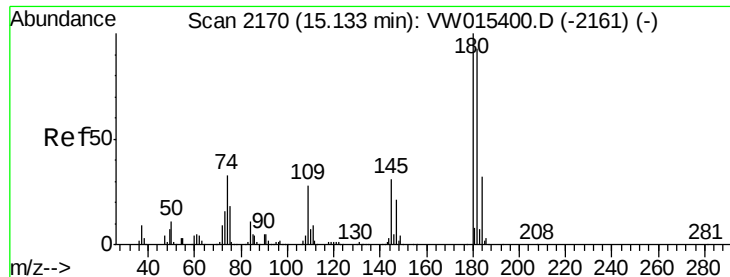
Acq: 06 May 2020 12:23

Tgt Ion:	75	Resp:	934
Ion	Ratio	Lower	Upper
75	100		
155	67.8	38.7	116.1
157	92.4	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

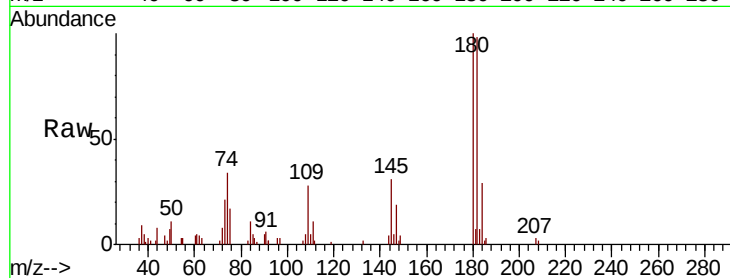




#93
 1,2,4-Trichlorobenzene
 Concen: 2.683 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015409.D
 Acq: 06 May 2020 12:23

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.0	47.2	141.6
145	30.9	15.6	46.8

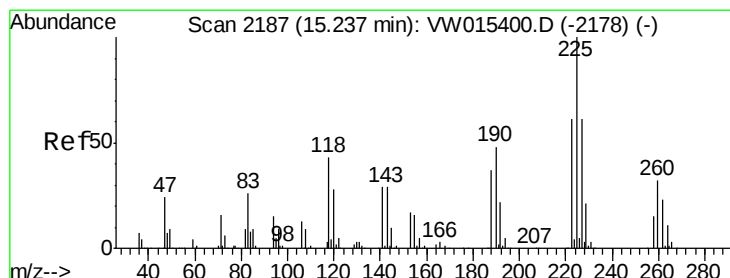
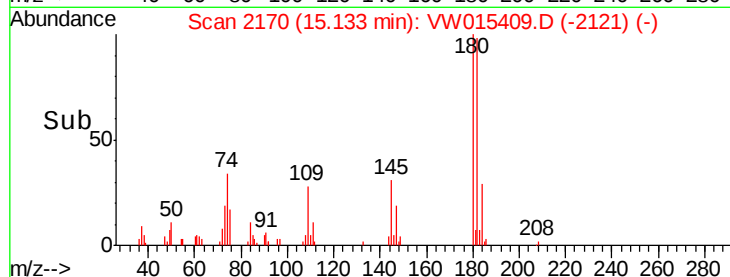
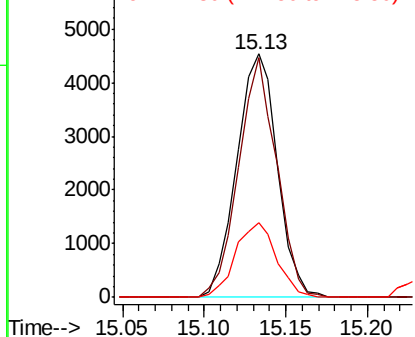


Abundance

Ion 179.80 (179.50 to 180.50): V

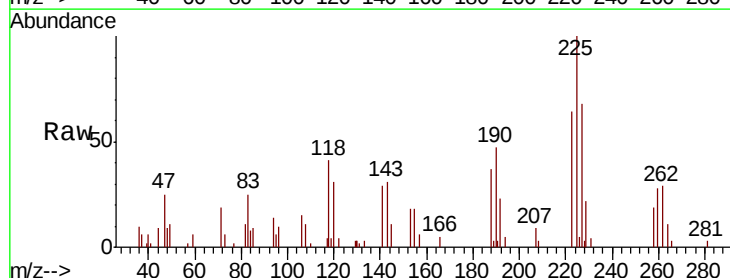
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 2.714 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015409.D
 Acq: 06 May 2020 12:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	30.7	92.1
227	63.5	32.0	96.0

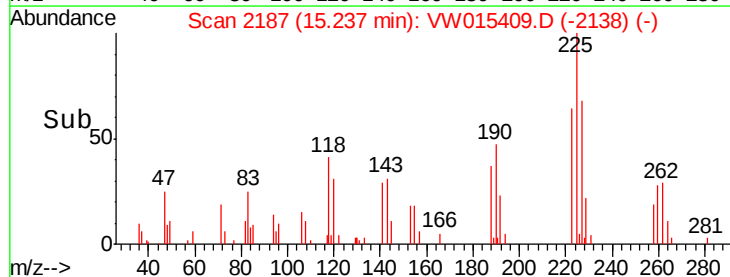
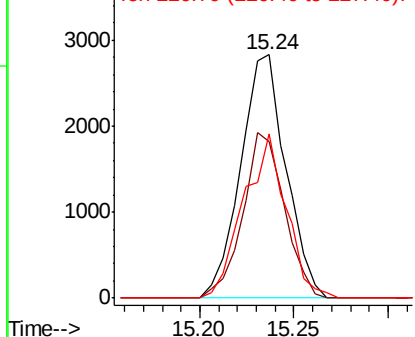


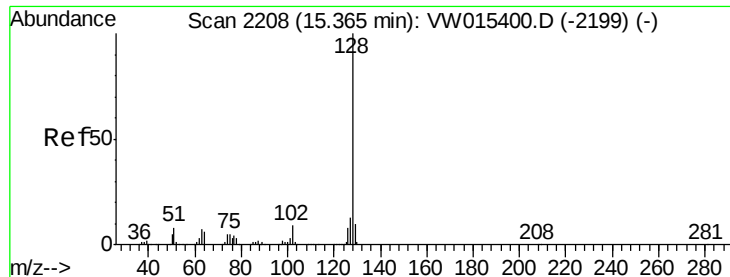
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 2.568 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

Instrument :

MSVOA_W

ClientSampleId :

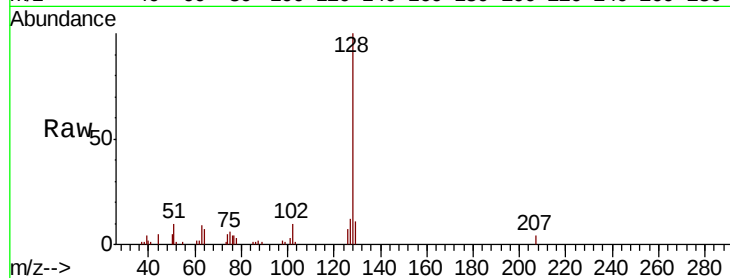
Tot Ion:128 Resp: 13453

Ion Ratio Lower Upper

128 100

127 12.5 10.5 15.7

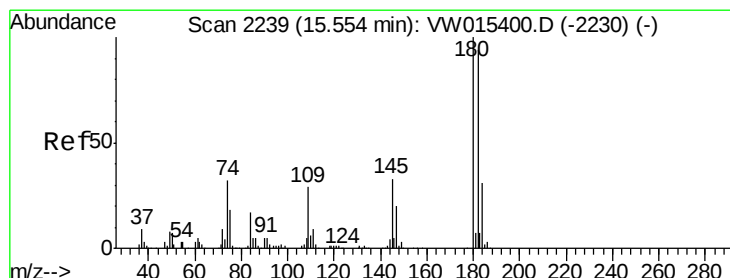
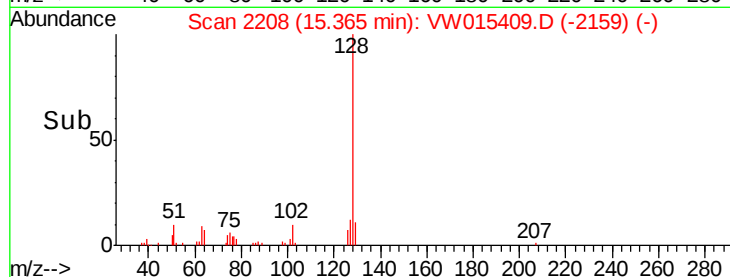
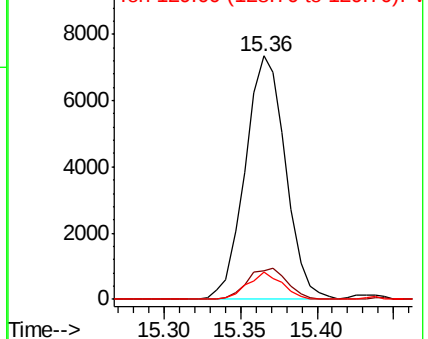
129 9.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.694 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015409.D

Acq: 06 May 2020 12:23

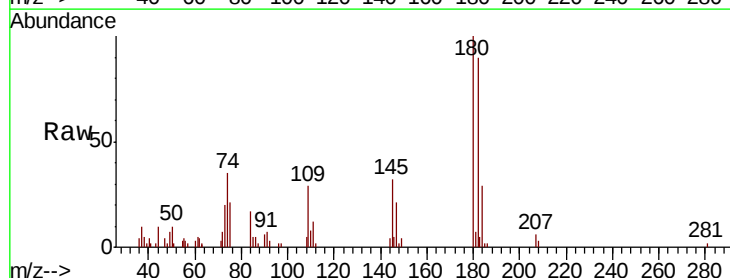
Tgt Ion:180 Resp: 6771

Ion Ratio Lower Upper

180 100

182 96.6 47.6 142.8

145 33.2 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

