

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051520\
 Data File : VW015428.D
 Acq On : 15 May 2020 12:34
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 16 02:46:34 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	225251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	359834	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159958	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	123399	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
35) Dibromofluoromethane	7.88	113	106863	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
50) Toluene-d8	10.32	98	437530	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	12.62	95	163230	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	60843	46.720	ug/l	99
3) Chloromethane	2.21	50	71014	43.557	ug/l	96
4) Vinyl Chloride	2.37	62	117810	47.715	ug/l	97
5) Bromomethane	2.78	94	86056	44.489	ug/l	96
6) Chloroethane	2.92	64	79256	46.581	ug/l	97
7) Trichlorofluoromethane	3.26	101	81788	45.161	ug/l	97
8) Diethyl Ether	3.68	74	51985	45.935	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	103140	49.128	ug/l	100
10) Methyl Iodide	4.27	142	151469	47.680	ug/l	100
11) Tert butyl alcohol	5.20	59	41320	289.387	ug/l	99
12) 1,1-Dichloroethene	4.03	96	102848	47.240	ug/l	94
13) Acrolein	3.89	56	48447	265.701	ug/l	99
14) Allyl chloride	4.66	41	184340	48.324	ug/l	99
15) Acrylonitrile	5.37	53	121014	262.734	ug/l	100
16) Acetone	4.13	43	113347	294.670	ug/l	97
17) Carbon Disulfide	4.38	76	318655	47.734	ug/l	100
18) Methyl Acetate	4.67	43	53696	52.584	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	171263	48.960	ug/l	99
20) Methylene Chloride	4.91	84	111057	44.250	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	119079	48.183	ug/l	98
22) Diisopropyl ether	6.31	45	353072	47.366	ug/l	100
23) Vinyl Acetate	6.25	43	1117355	246.585	ug/l	100
24) 1,1-Dichloroethane	6.21	63	213190	47.706	ug/l	100
25) 2-Butanone	7.17	43	163171	272.151	ug/l	100
26) 2,2-Dichloropropane	7.16	77	144629	48.830	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	130080	48.473	ug/l	98
28) Bromochloromethane	7.51	49	83920	46.704	ug/l	98
29) Tetrahydrofuran	7.53	42	102867	260.702	ug/l	98
30) Chloroform	7.67	83	213437	48.070	ug/l	100
31) Cyclohexane	7.95	56	205734	45.342	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	181280	48.577	ug/l	99
36) 1,1-Dichloropropene	8.08	75	179369	50.736	ug/l	100
37) Ethyl Acetate	7.26	43	73925	53.890	ug/l	99
38) Carbon Tetrachloride	8.07	117	168363	50.941	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	225894	50.478	ug/l	99
40) Benzene	8.32	78	474319	49.193	ug/l	100
41) Methacrylonitrile	7.48	41	47504	54.808	ug/l	95
42) 1,2-Dichloroethane	8.40	62	149748	50.990	ug/l	98
43) Isopropyl Acetate	8.42	43	153076	53.060	ug/l	98
44) Trichloroethene	9.09	130	127177	50.890	ug/l	96
45) 1,2-Dichloropropane	9.37	63	118111	49.587	ug/l	99
46) Dibromomethane	9.46	93	60768	51.295	ug/l	97
47) Bromodichloromethane	9.65	83	162995	50.484	ug/l	94
48) Methyl methacrylate	9.43	41	71442	53.611	ug/l	100
49) 1,4-Dioxane	9.46	88	19261	1291.928	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	369421	273.234	ug/l	100
52) Toluene	10.38	92	313849	50.089	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	170488	51.733	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	195271	50.324	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	84786	50.611	ug/l	96
56) Ethyl methacrylate	10.65	69	119658	51.986	ug/l	98
57) 1,3-Dichloropropane	10.93	76	153979	51.121	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	289242	258.297	ug/l	100
59) 2-Hexanone	10.97	43	258341	282.394	ug/l	99
60) Dibromochloromethane	11.13	129	104679	51.955	ug/l	100
61) 1,2-Dibromoethane	11.24	107	83265	52.493	ug/l	100
64) Tetrachloroethene	10.86	164	103474	52.375	ug/l	97
65) Chlorobenzene	11.66	112	320379	50.273	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	115900	51.295	ug/l	98
67) Ethyl Benzene	11.73	91	613574	50.302	ug/l	99
68) m/p-Xylenes	11.84	106	461316	101.722	ug/l	98
69) o-Xylene	12.16	106	216217	50.736	ug/l	98
70) Styrene	12.18	104	368011	50.140	ug/l	99
71) Bromoform	12.35	173	59447	53.949	ug/l #	98
73) Isopropylbenzene	12.46	105	604274	50.601	ug/l	100
74) N-amyl acetate	12.27	43	146848	52.021	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	100092	53.578	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	136522	103.749	ug/l #	100
77) Bromobenzene	12.74	156	131094	51.801	ug/l	95
78) n-propylbenzene	12.80	91	725300	50.623	ug/l	99
79) 2-Chlorotoluene	12.89	91	410071	50.774	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	510686	50.769	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	36163	54.359	ug/l	99
82) 4-Chlorotoluene	12.99	91	435828	50.919	ug/l	100
83) tert-Butylbenzene	13.21	119	440000	51.264	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	510336	50.714	ug/l	98
85) sec-Butylbenzene	13.38	105	622510	51.475	ug/l	100
86) p-Isopropyltoluene	13.50	119	568135	51.509	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	256342	50.851	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	252408	50.557	ug/l	98
89) n-Butylbenzene	13.82	91	553338	51.246	ug/l	100
90) Hexachloroethane	14.09	117	103625	50.983	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	224457	51.424	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17656	54.136	ug/l	98

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QLast Update : Tue May 05 18:41:17 2020
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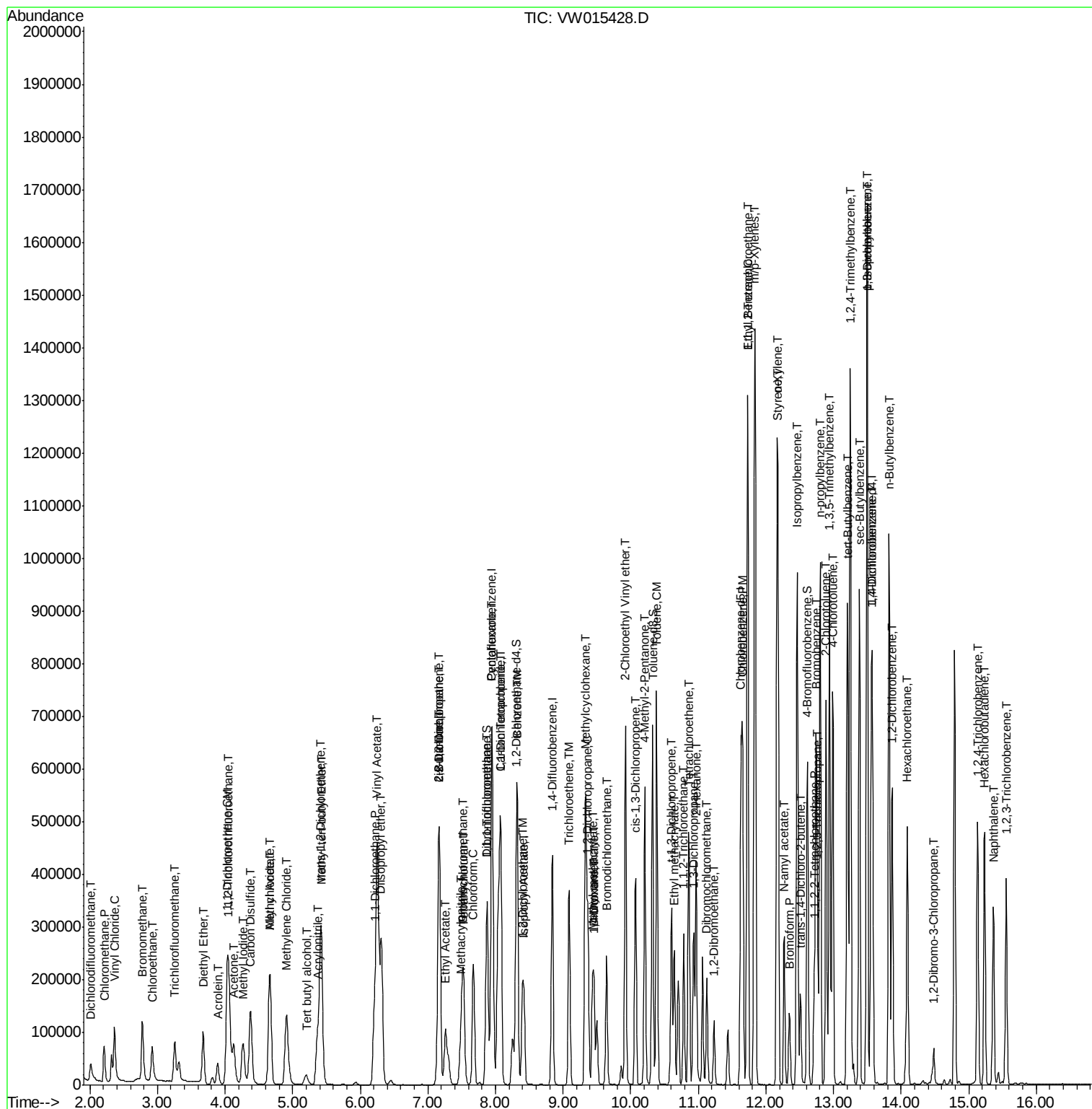
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	152248	51.898	ug/l	99
94) Hexachlorobutadiene	15.24	225	91929	52.882	ug/l	97
95) Naphthalene	15.36	128	284342	54.111	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	128730	51.071	ug/l	99

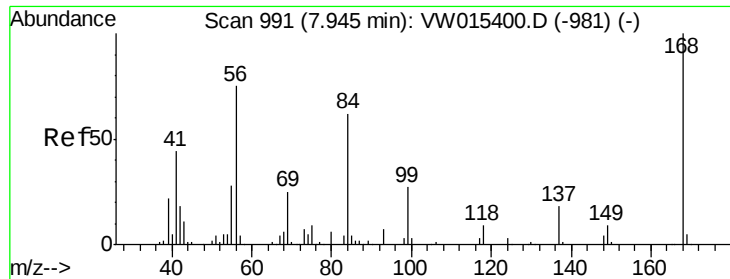
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

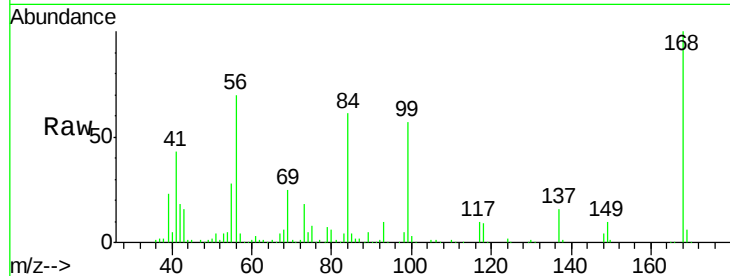
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 225251

Ion Ratio Lower Upper

168 100

99 57.3 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

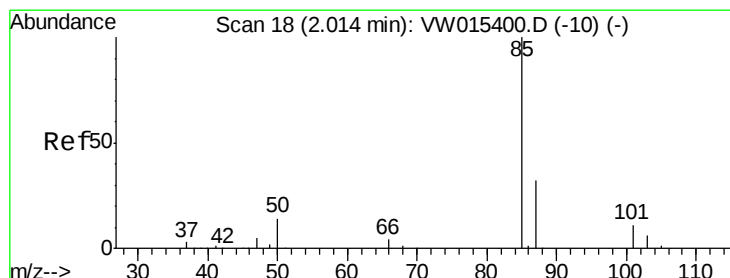
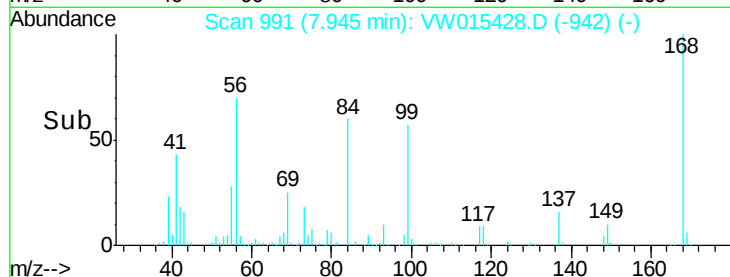
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 46.720 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015428.D

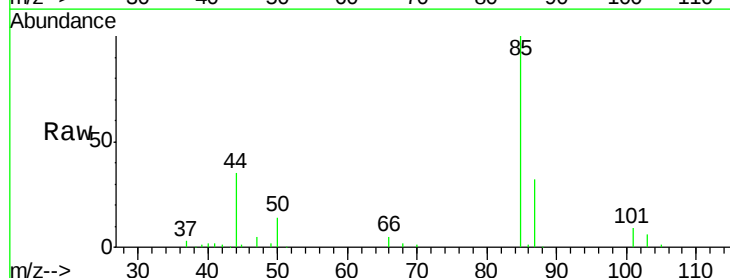
Acq: 15 May 2020 12:34

Tgt Ion: 85 Resp: 60843

Ion Ratio Lower Upper

85 100

87 31.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

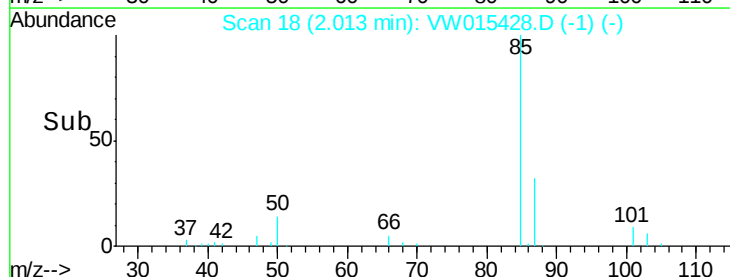
15000

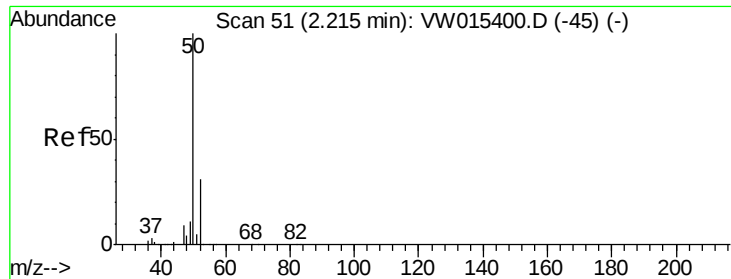
10000

5000

0

Time--> 1.90 2.00 2.10 2.20 2.30





#3

Chloromethane

Concen: 43.557 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

Instrument :

MSVOA_W

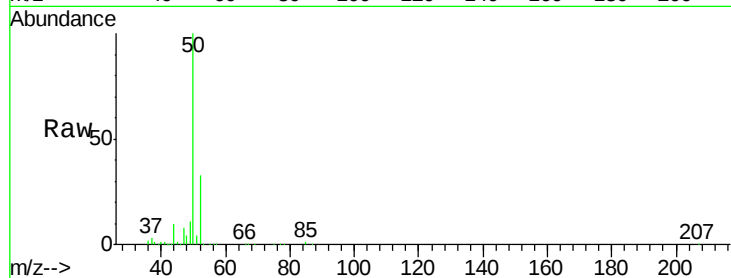
ClientSampled :

Tot Ion: 50 Resp: 71014

Ion Ratio Lower Upper

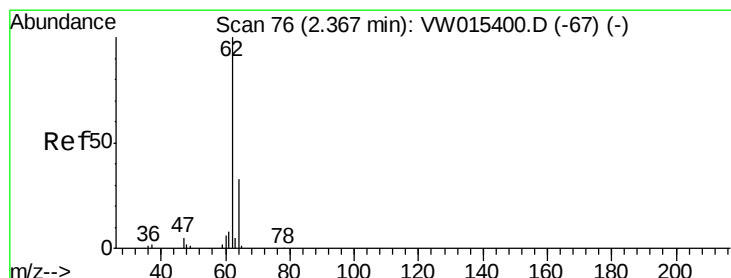
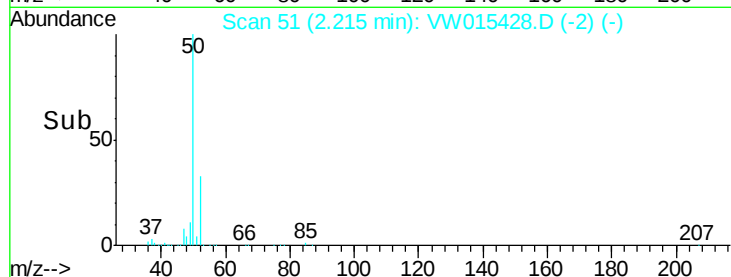
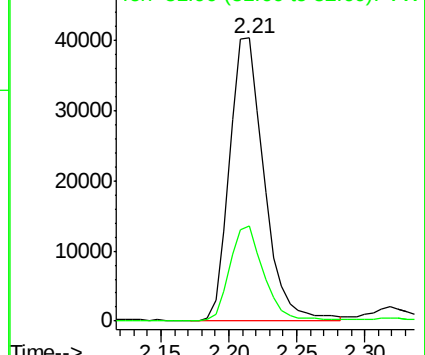
50 100

52 33.6 25.0 37.6



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 47.715 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015428.D

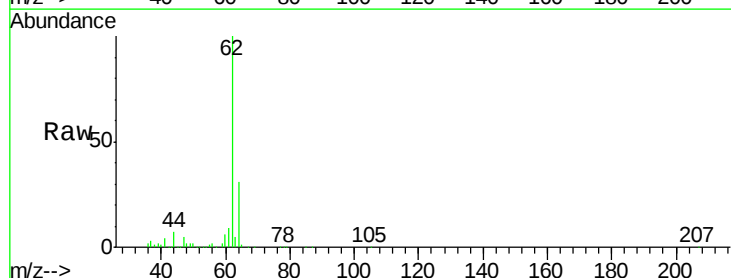
Acq: 15 May 2020 12:34

Tgt Ion: 62 Resp: 117810

Ion Ratio Lower Upper

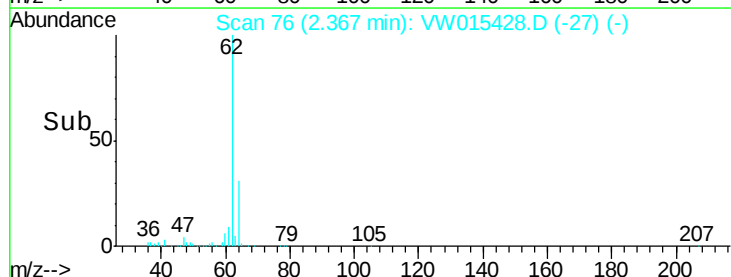
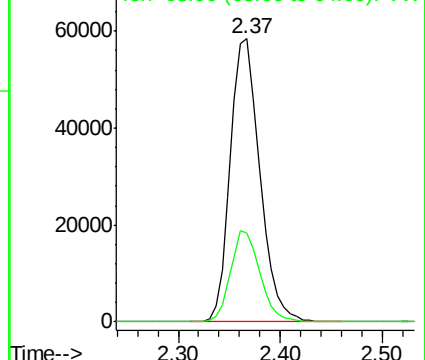
62 100

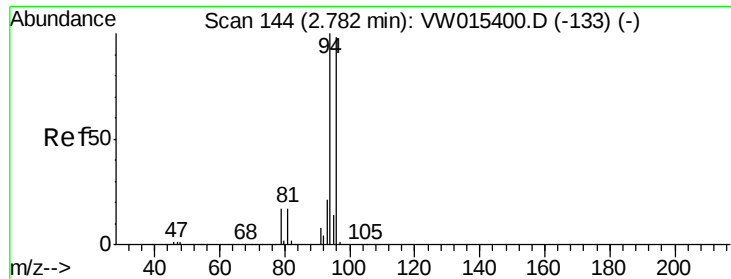
64 31.2 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 44.489 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

Instrument :

MSVOA_W

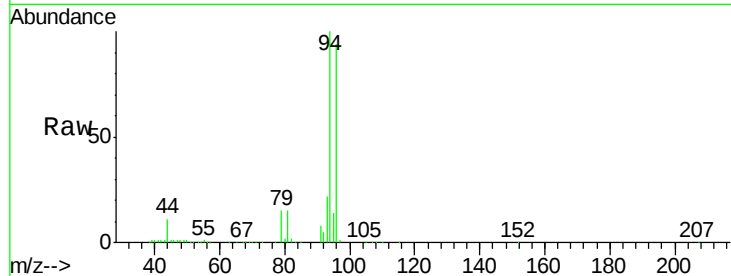
ClientSampled :

Tot Ion: 94 Resp: 86056

Ion Ratio Lower Upper

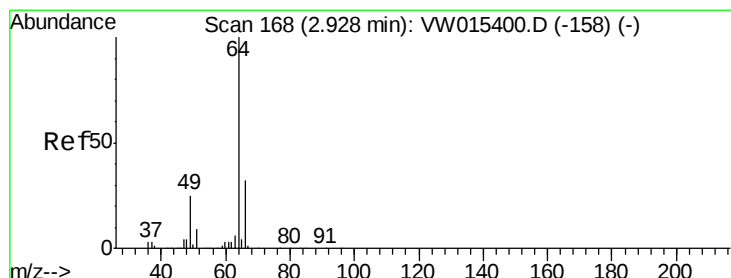
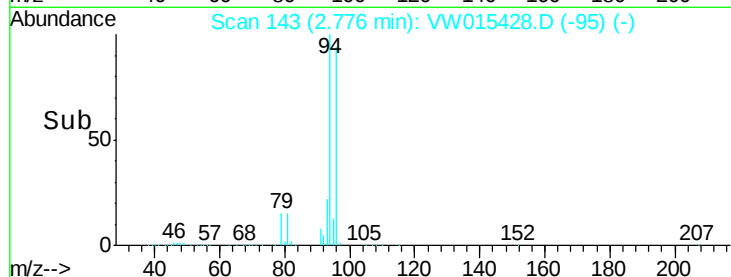
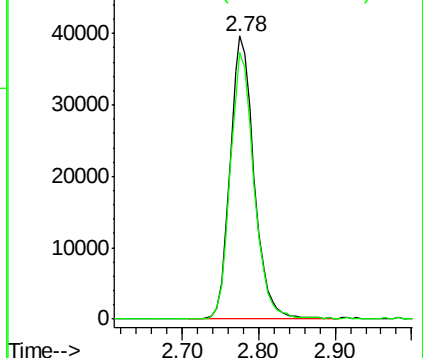
94 100

96 94.1 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: 46.581 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015428.D

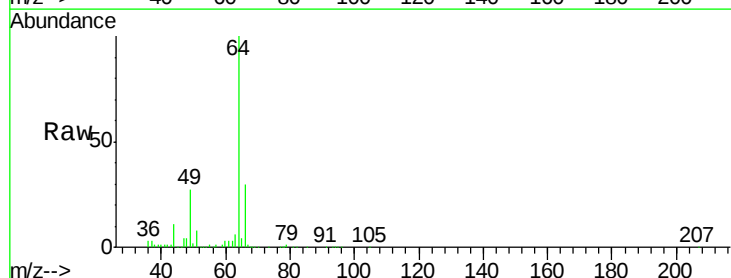
Acq: 15 May 2020 12:34

Tgt Ion: 64 Resp: 79256

Ion Ratio Lower Upper

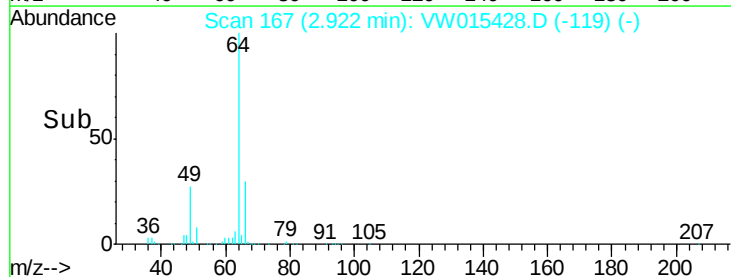
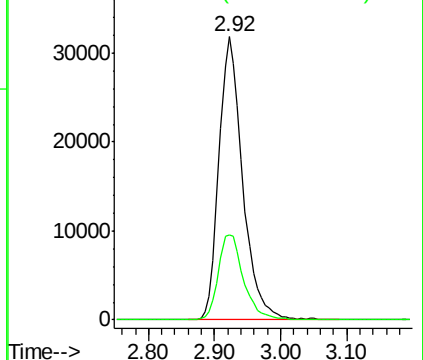
64 100

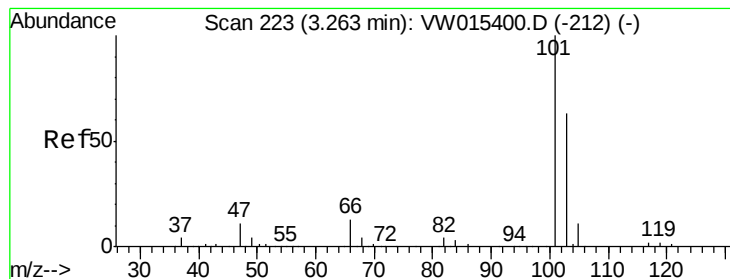
66 29.8 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



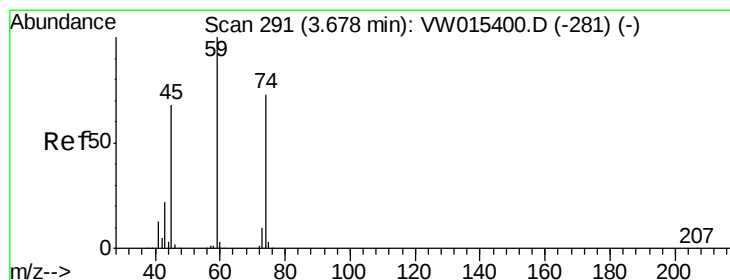
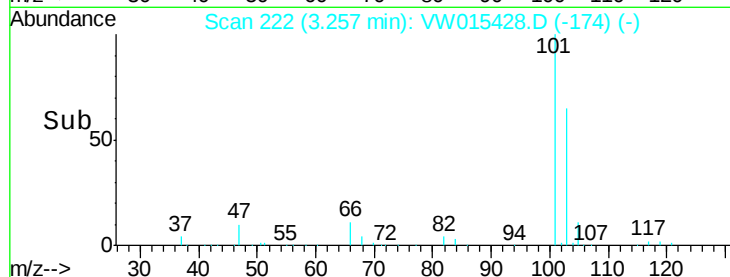
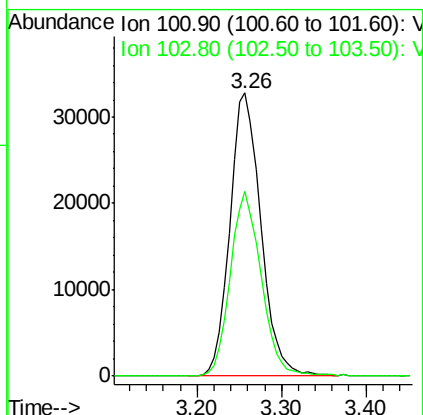
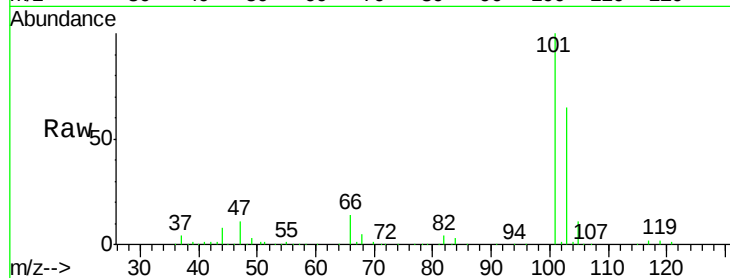


#7

Trichlorofluoromethane
Concen: 45.161 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

Instrument :
MSVOA_W
ClientSampled :

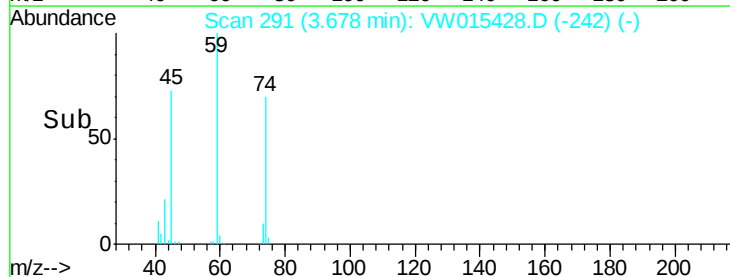
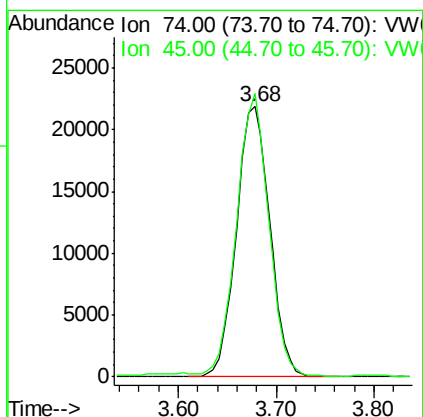
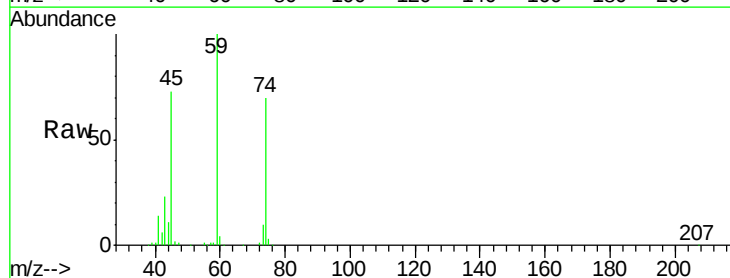
Tot Ion:101 Resp: 81788
Ion Ratio Lower Upper
101 100
103 65.1 50.2 75.4

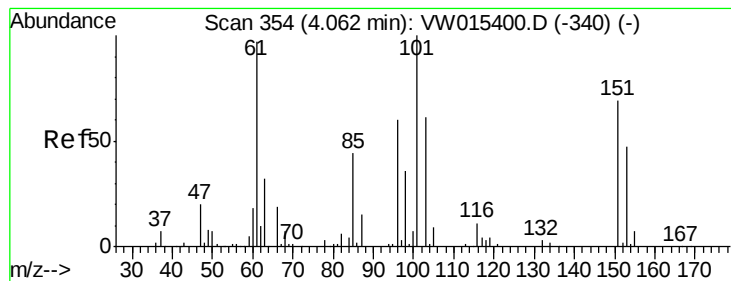


#8

Diethyl Ether
Concen: 45.935 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

Tgt Ion: 74 Resp: 51985
Ion Ratio Lower Upper
74 100
45 100.6 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.128 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

Instrument :

MSVOA_W

ClientSampleId :

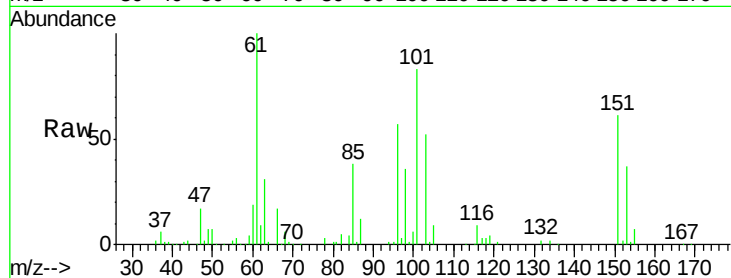
Tot Ion:101 Resp: 103140

Ion Ratio Lower Upper

101 100

85 46.6 37.3 55.9

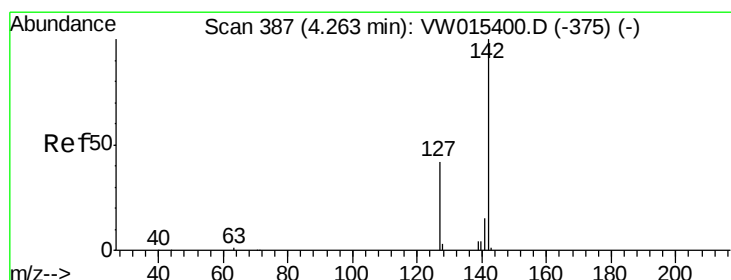
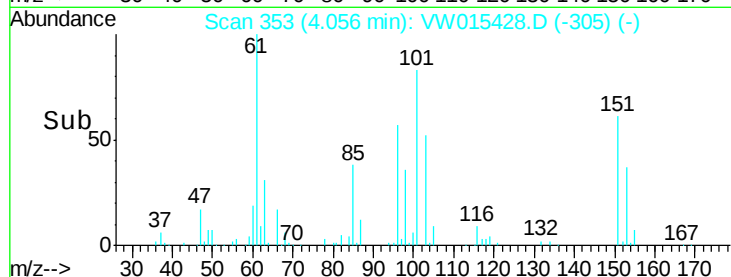
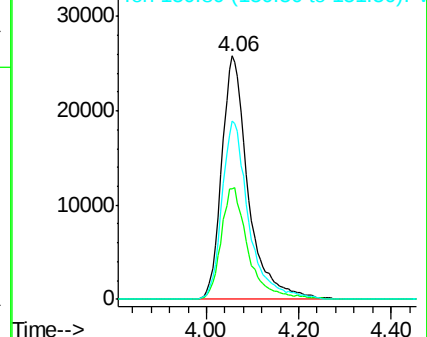
151 74.0 58.9 88.3



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: 47.680 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

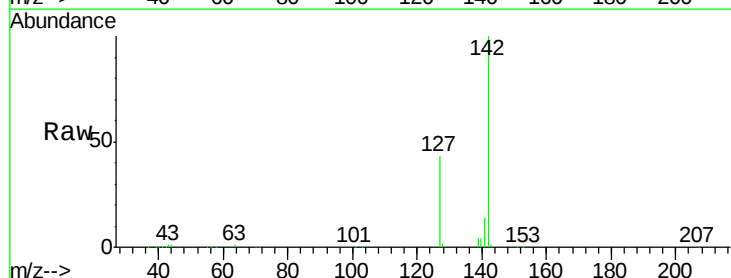
Tgt Ion:142 Resp: 151469

Ion Ratio Lower Upper

142 100

127 44.5 35.4 53.2

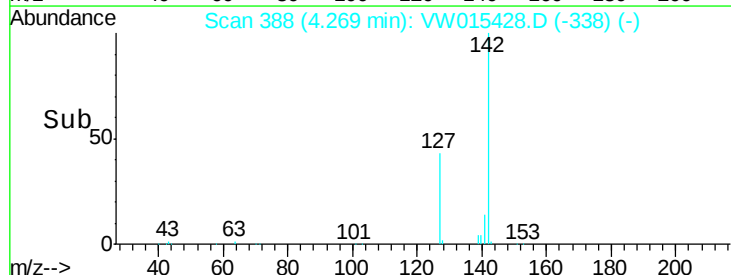
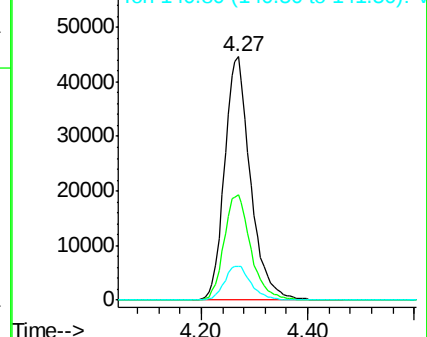
141 14.4 11.7 17.5

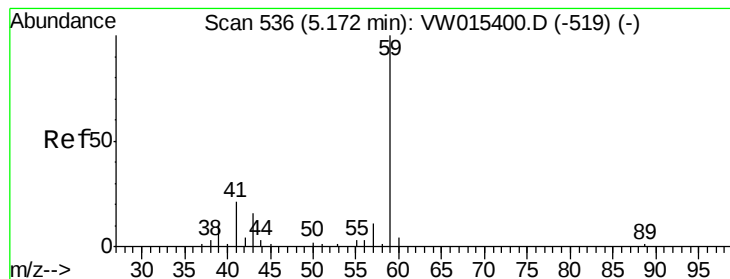


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



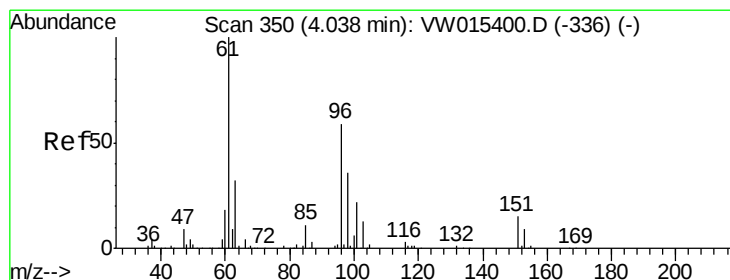
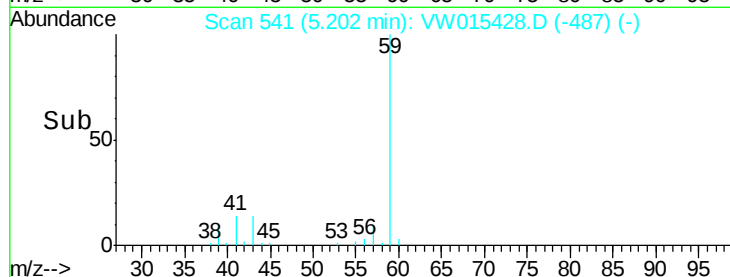
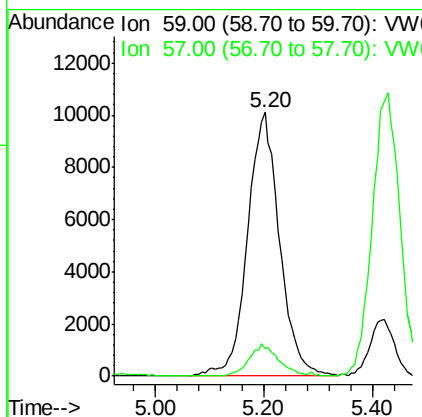
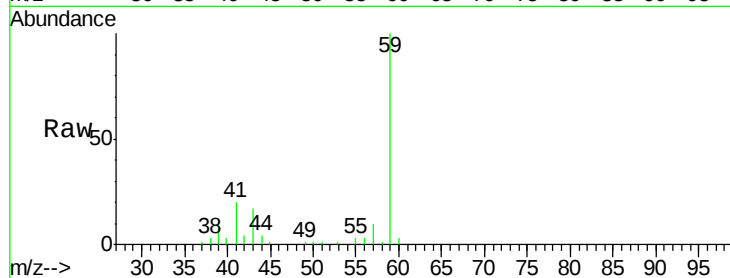


#11

Tert butyl alcohol
 Concen: 289.387 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. 0.03 min
 Lab File: VW015428.D
 Acq: 15 May 2020 12:34

Instrument :
 MSVOA_W
 ClientSampled :

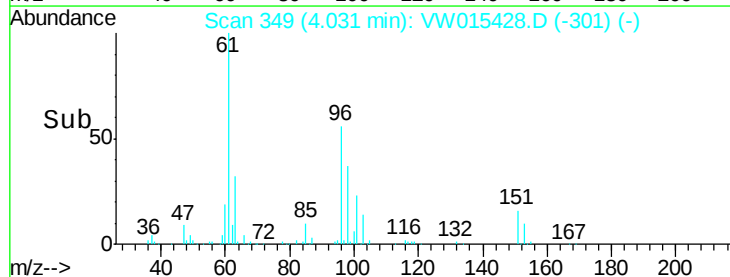
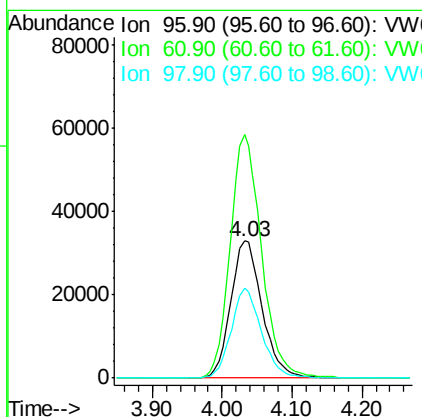
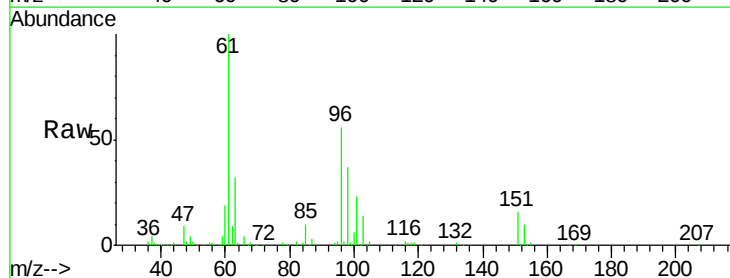
Tot Ion: 59 Resp: 41320
 Ion Ratio Lower Upper
 59 100
 57 11.3 8.6 13.0

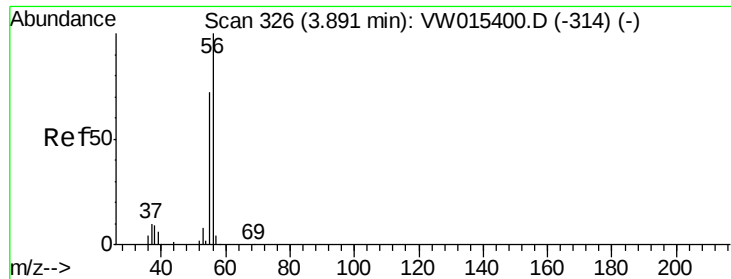


#12

1,1-Dichloroethene
 Concen: 47.240 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW015428.D
 Acq: 15 May 2020 12:34

Tgt Ion: 96 Resp: 102848
 Ion Ratio Lower Upper
 96 100
 61 177.7 135.8 203.8
 98 65.9 48.6 72.8





#13

Acrolein

Concen: 265.701 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

Instrument :

MSVOA_W

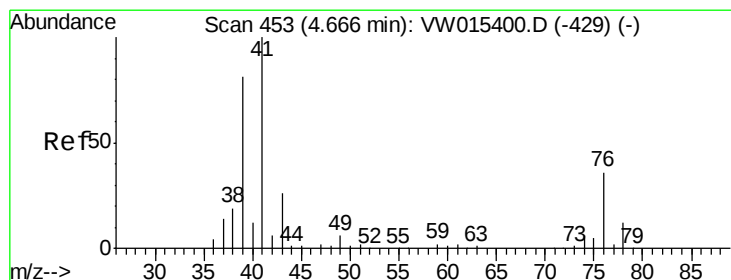
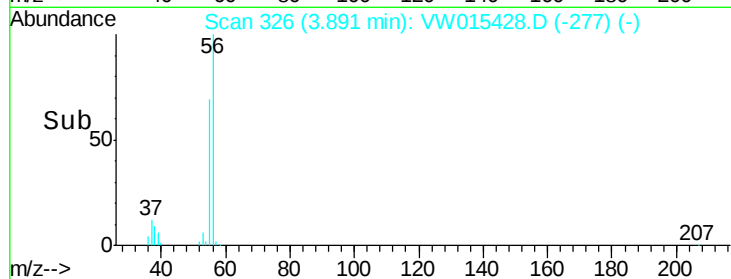
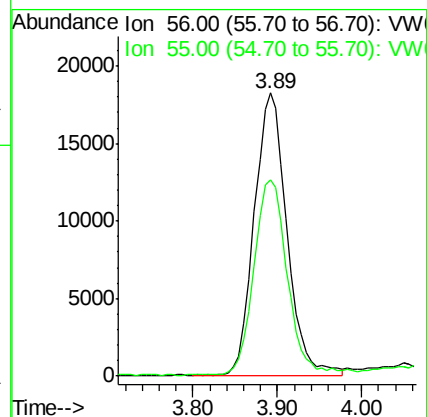
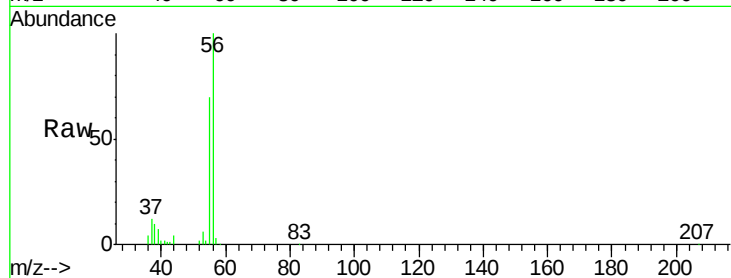
ClientSampleId :

Tot Ion: 56 Resp: 48447

Ion Ratio Lower Upper

56 100

55 69.5 56.4 84.6



#14

Allyl chloride

Concen: 48.324 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

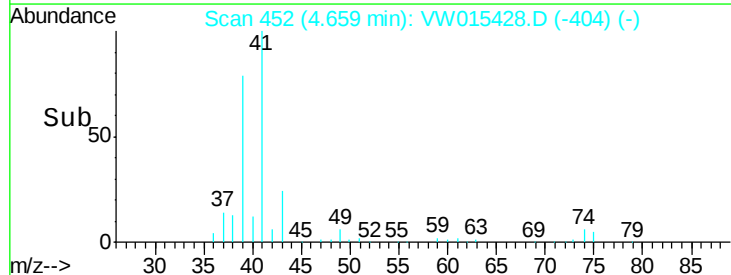
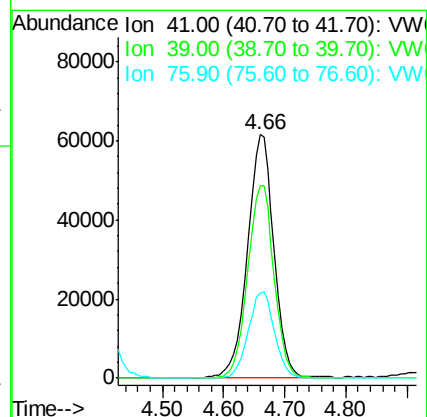
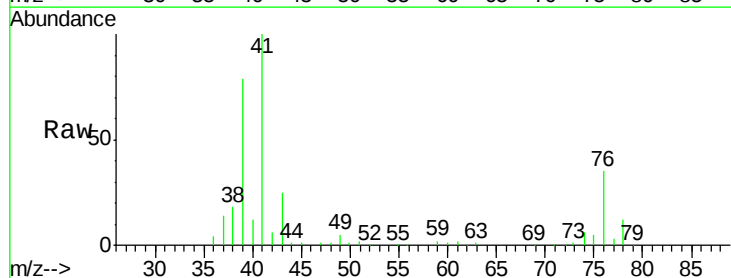
Tgt Ion: 41 Resp: 184340

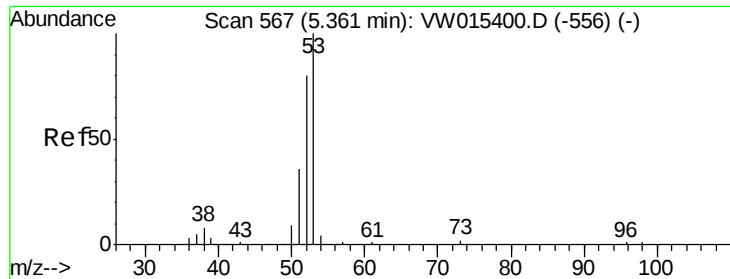
Ion Ratio Lower Upper

41 100

39 79.0 63.6 95.4

76 35.1 28.4 42.6





#15

Acrylonitrile

Concen: 262.734 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

Instrument :
MSVOA_W
ClientSampled :

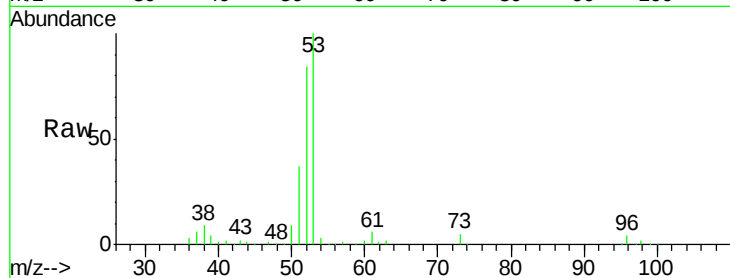
Tot Ion: 53 Resp: 121014

Ion Ratio Lower Upper

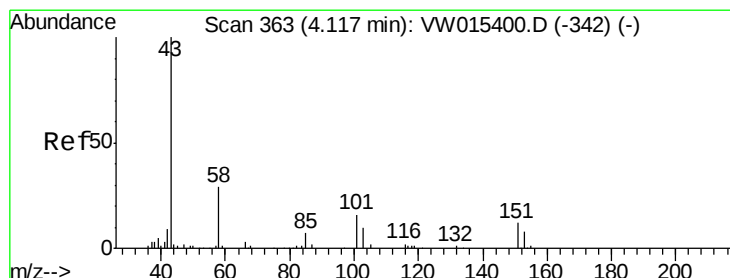
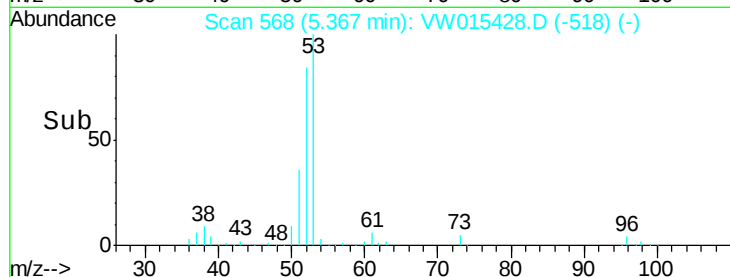
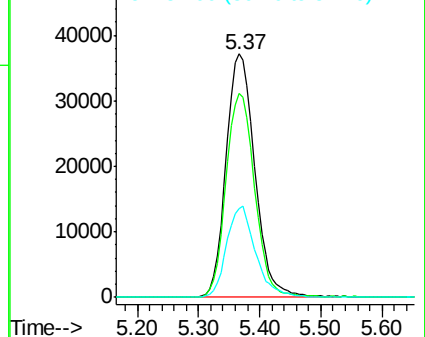
53 100

52 83.2 66.6 99.8

51 37.6 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: 294.670 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015428.D

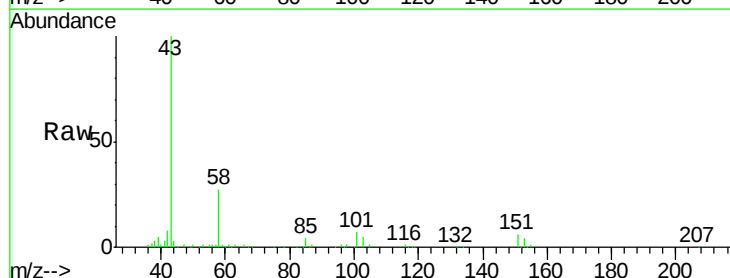
Acq: 15 May 2020 12:34

Tgt Ion: 43 Resp: 113347

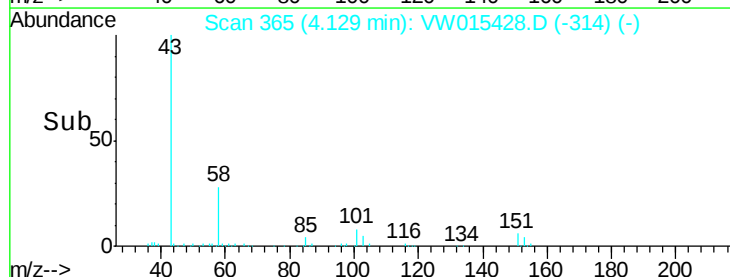
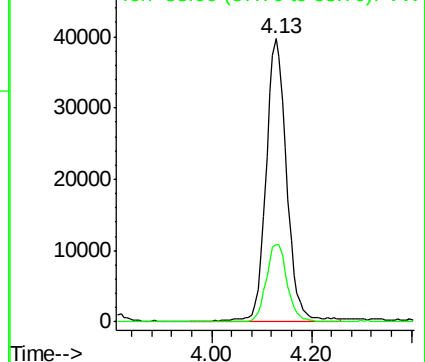
Ion Ratio Lower Upper

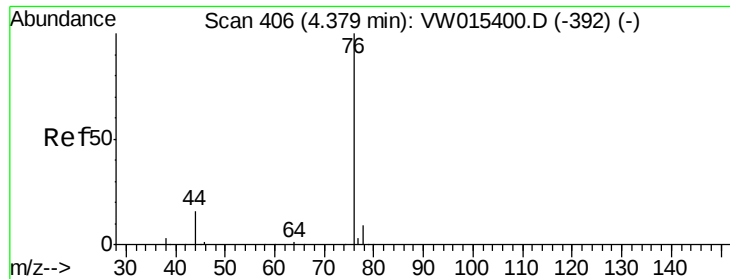
43 100

58 27.4 23.4 35.0



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

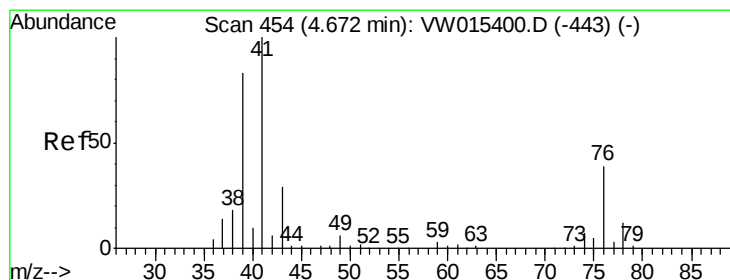
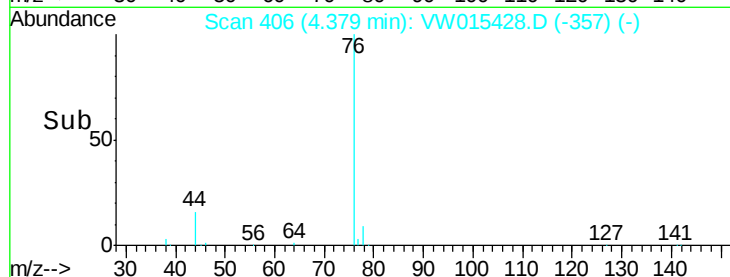
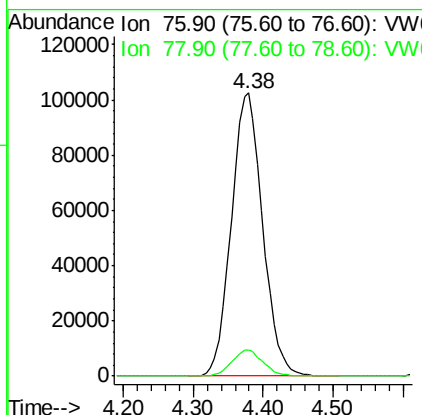
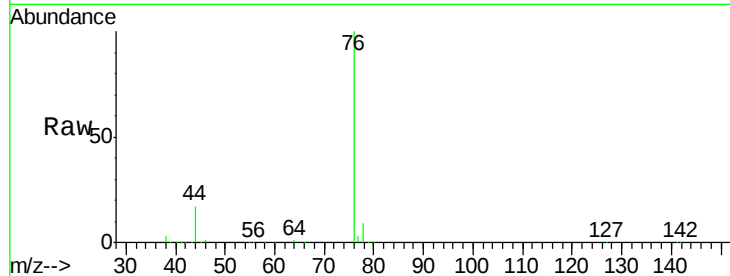




#17
Carbon Disulfide
Concen: 47.734 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

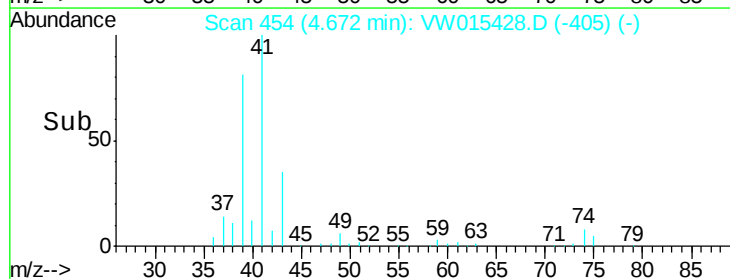
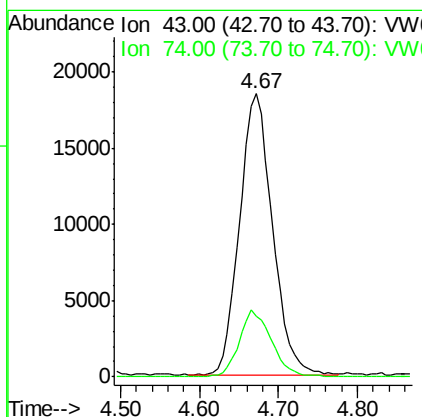
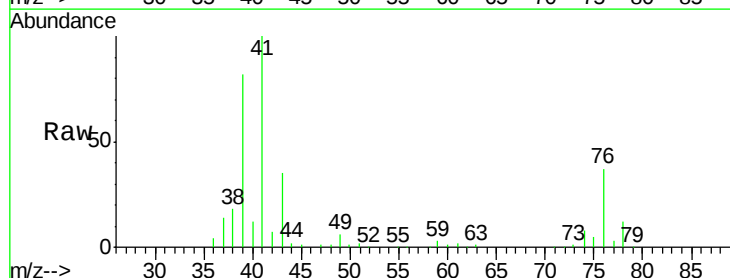
Instrument :
MSVOA_W
ClientSampleId :

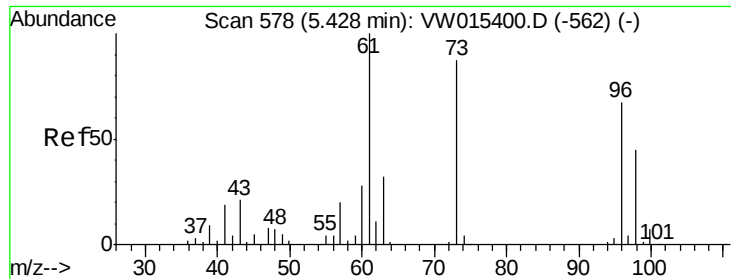
Tot Ion: 76 Resp: 318655
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 52.584 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

Tgt Ion: 43 Resp: 53696
Ion Ratio Lower Upper
43 100
74 23.2 18.7 28.1

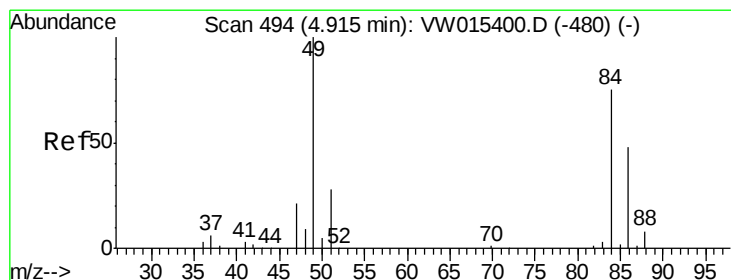
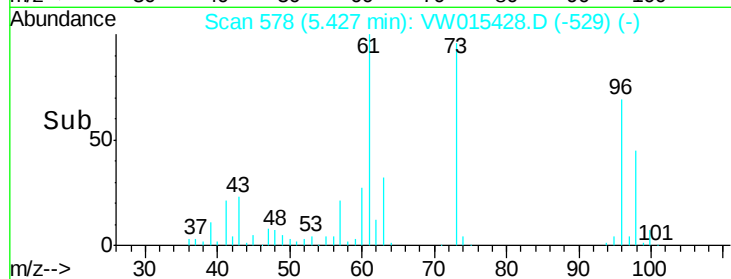
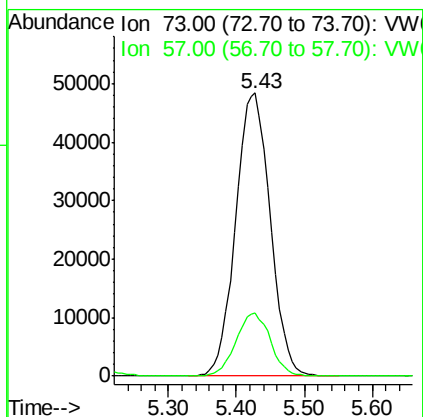
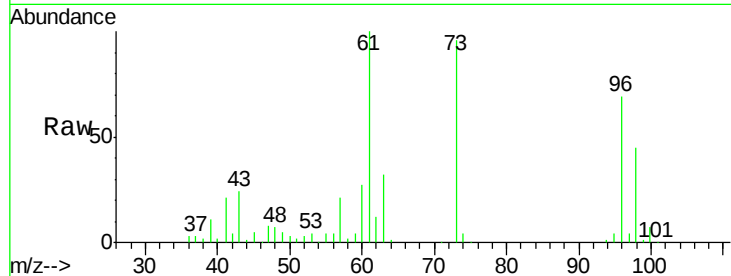




#19
Methyl tert-butyl Ether
Concen: 48.960 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

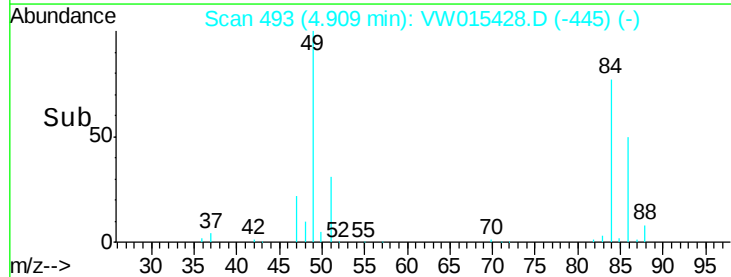
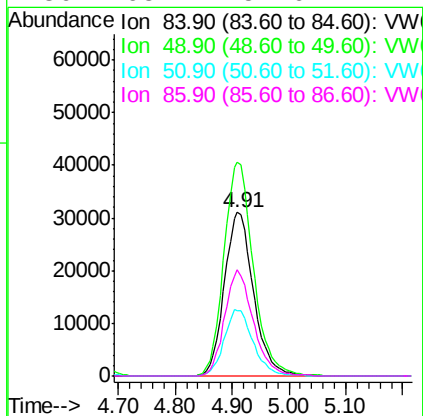
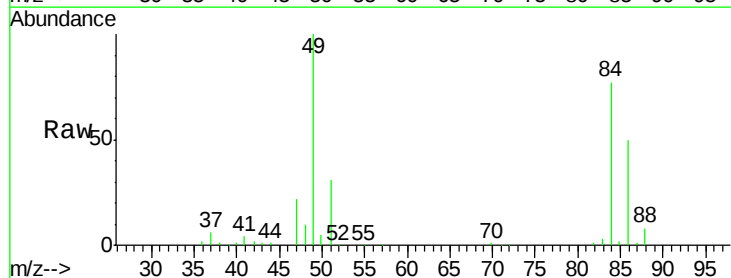
Instrument :
MSVOA_W
ClientSampleId :

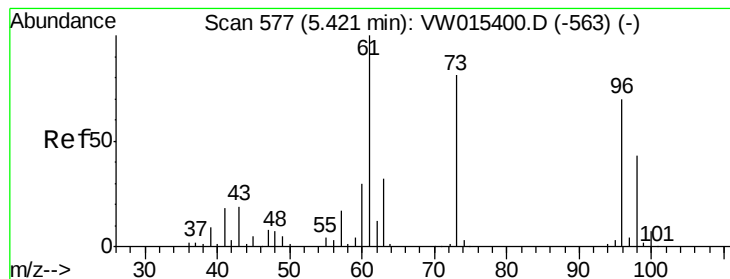
Tot Ion: 73 Resp: 171263
Ion Ratio Lower Upper
73 100
57 22.4 18.5 27.7



#20
Methylene Chloride
Concen: 44.250 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

Tgt Ion: 84 Resp: 111057
Ion Ratio Lower Upper
84 100
49 130.5 106.4 159.6
51 40.2 30.2 45.2
86 65.1 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 48.183 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

Instrument :
MSVOA_W
ClientSampleId :

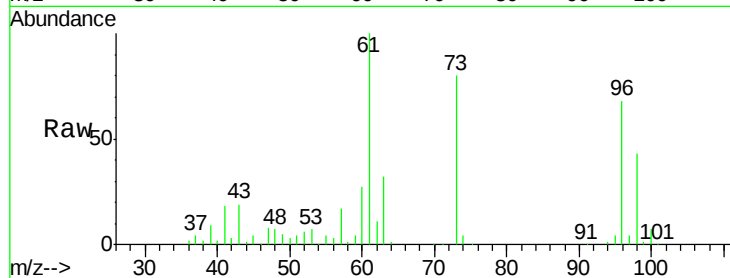
Tot Ion: 96 Resp: 119079

Ion Ratio Lower Upper

96 100

61 146.6 114.9 172.3

98 62.7 49.4 74.0

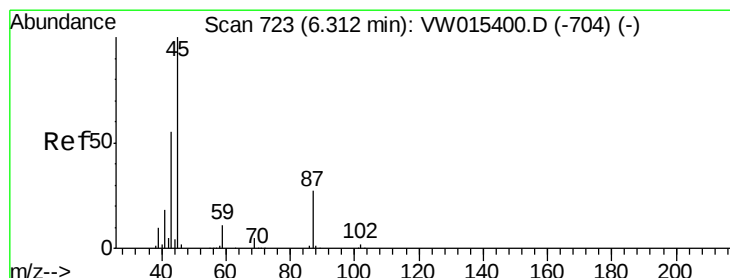
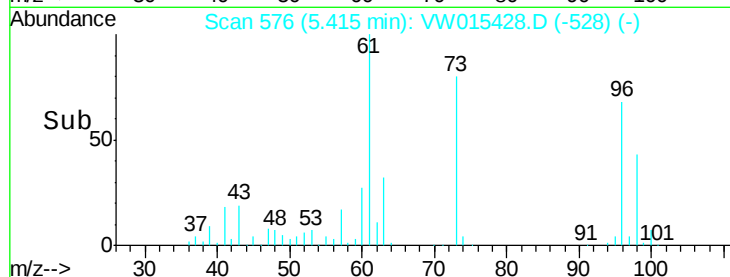
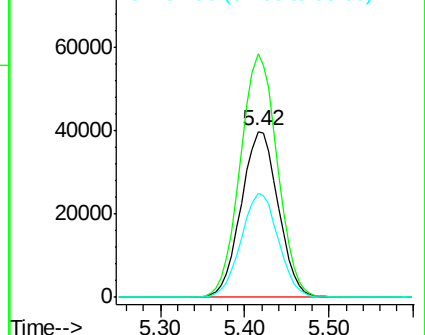


Abundance

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: 47.366 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

Tgt Ion: 45 Resp: 353072

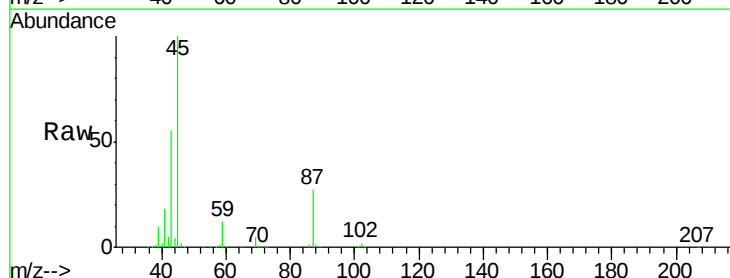
Ion Ratio Lower Upper

45 100

43 55.1 44.2 66.4

87 26.9 21.6 32.4

59 11.6 9.0 13.6



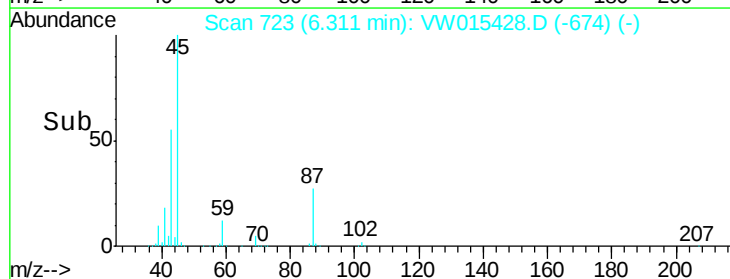
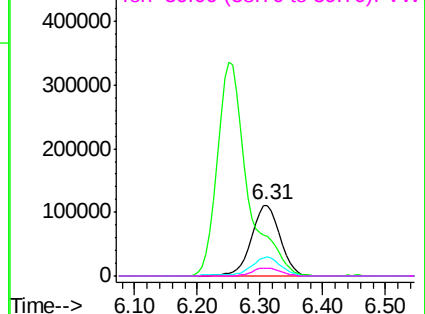
Abundance

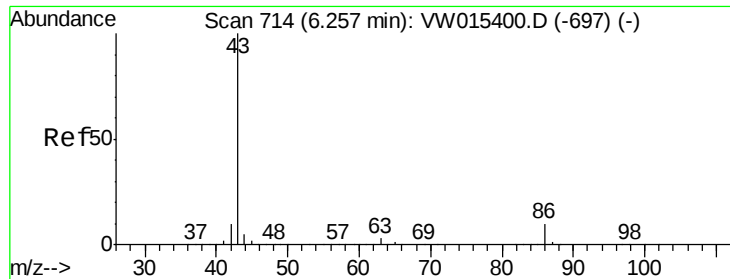
Ion 45.00 (44.70 to 45.70): VW

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: 246.585 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

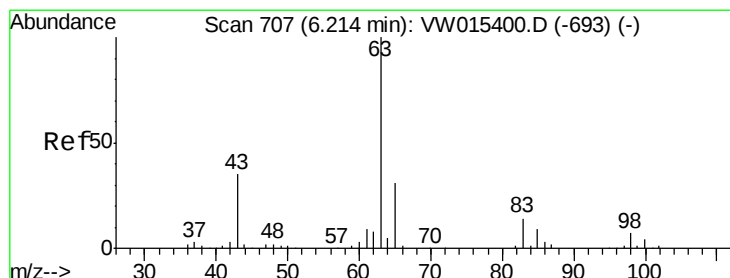
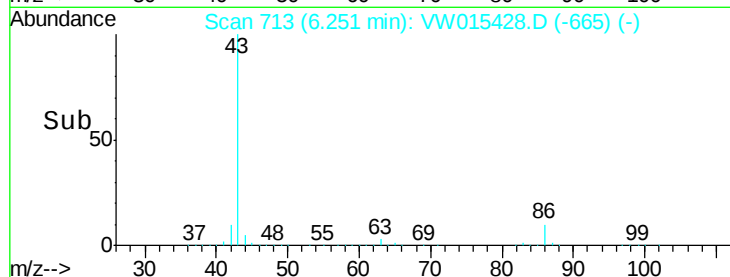
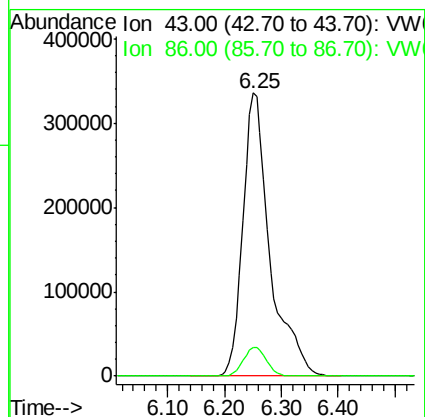
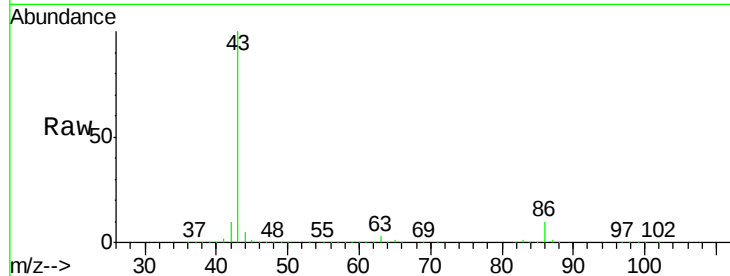
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1117355

Ion Ratio Lower Upper

43 100

86 10.1 8.1 12.1



#24

1,1-Dichloroethane

Concen: 47.706 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

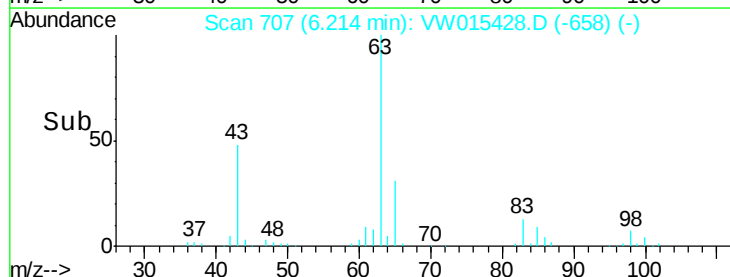
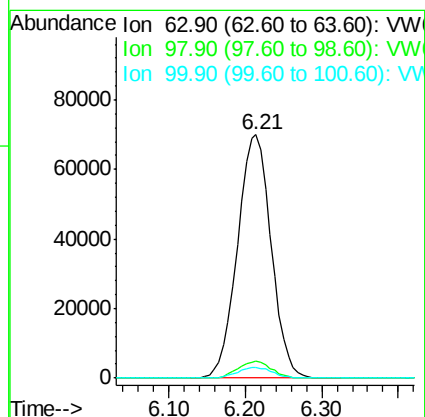
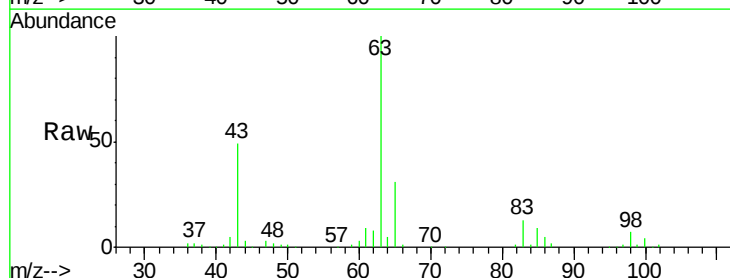
Tgt Ion: 63 Resp: 213190

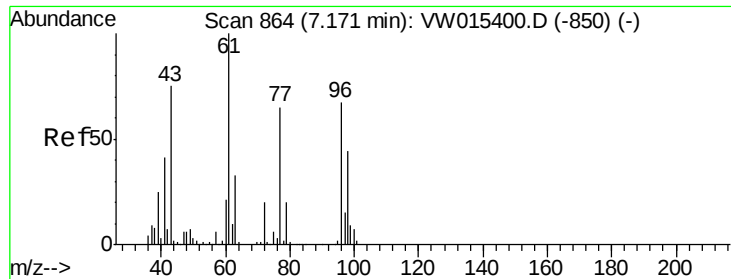
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 272.151 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

Instrument :

MSVOA_W

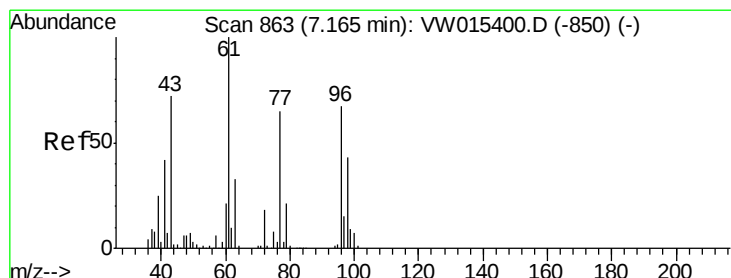
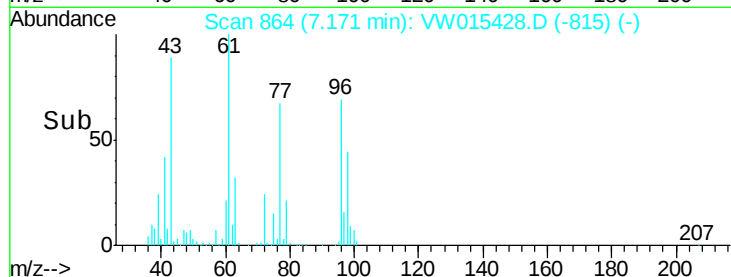
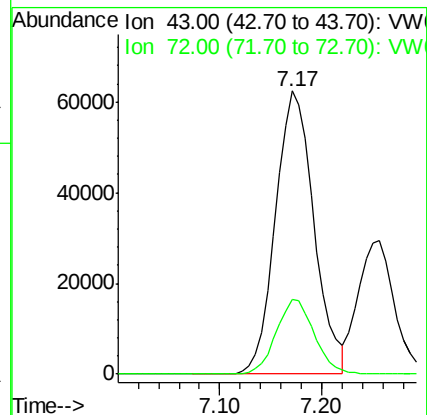
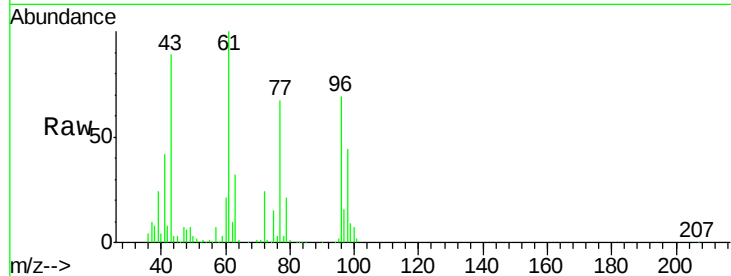
ClientSampled :

Tot Ion: 43 Resp: 163171

Ion Ratio Lower Upper

43 100

72 26.5 21.4 32.0



#26

2,2-Dichloropropane

Concen: 48.830 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW015428.D

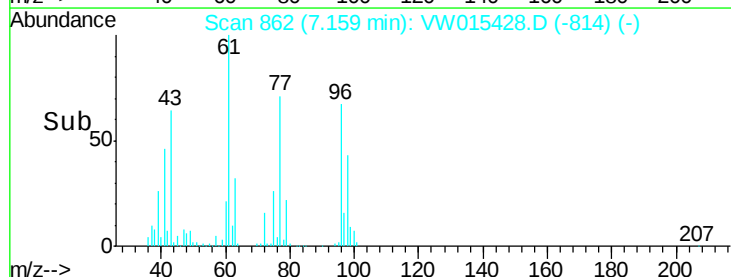
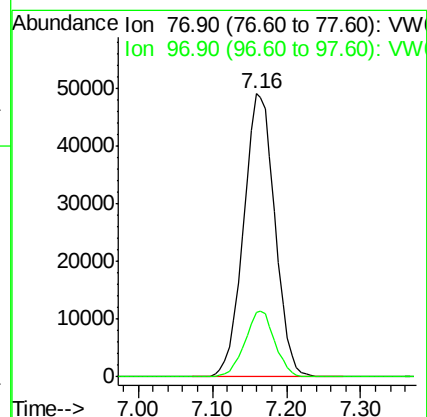
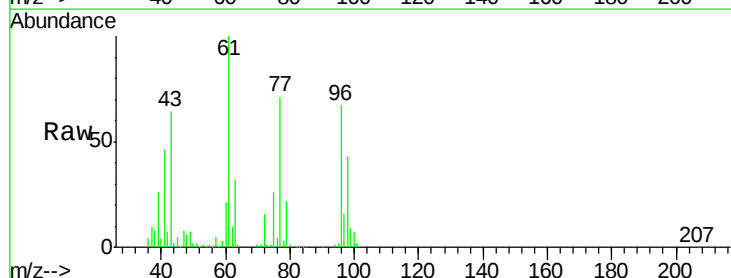
Acq: 15 May 2020 12:34

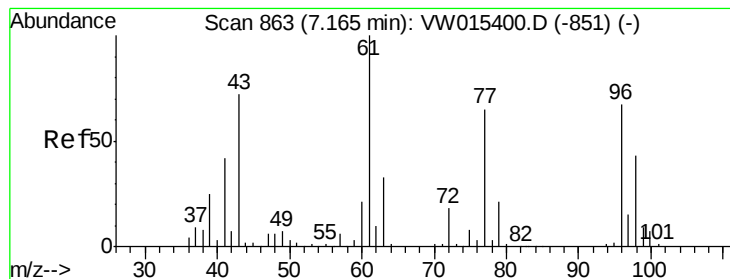
Tgt Ion: 77 Resp: 144629

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.1



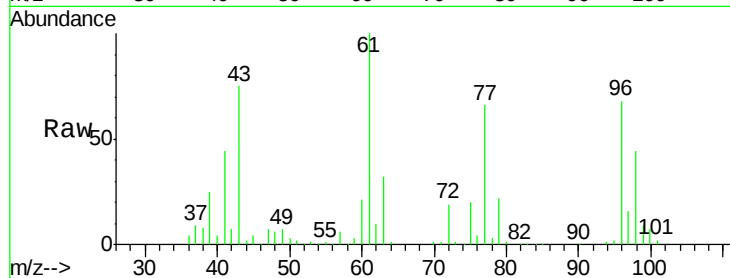


#27

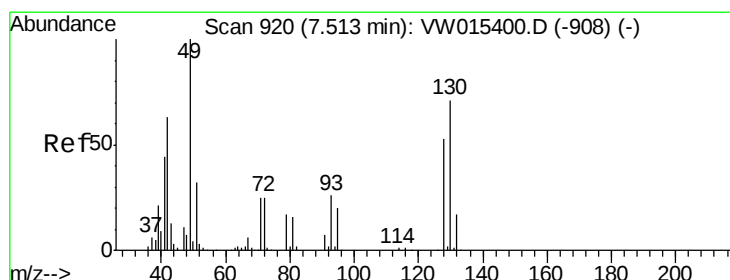
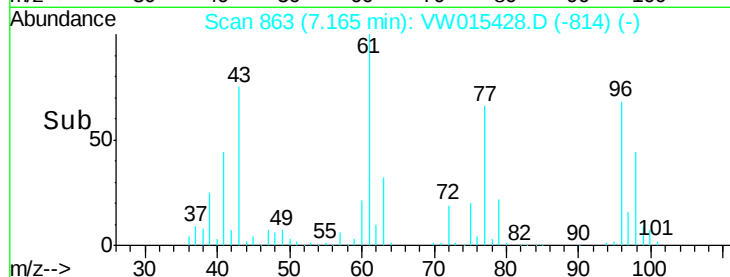
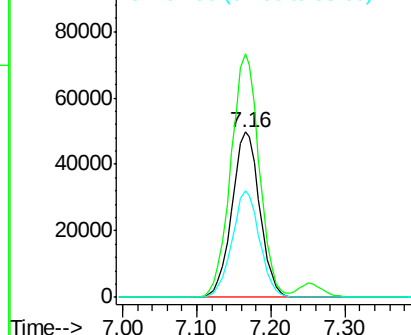
cis-1,2-Dichloroethene
Concen: 48.473 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	96	Resp	130080
Ion	Ratio	Lower	Upper
96	100		
61	149.7	0.0	304.6
98	63.6	0.0	129.2



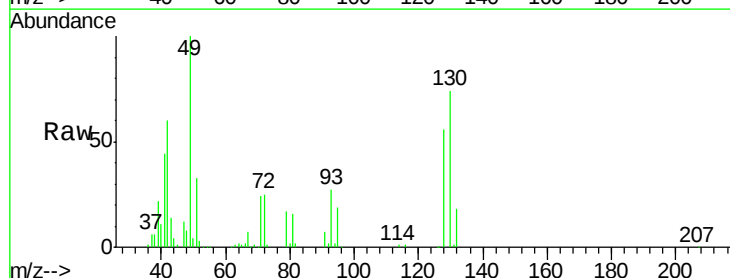
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



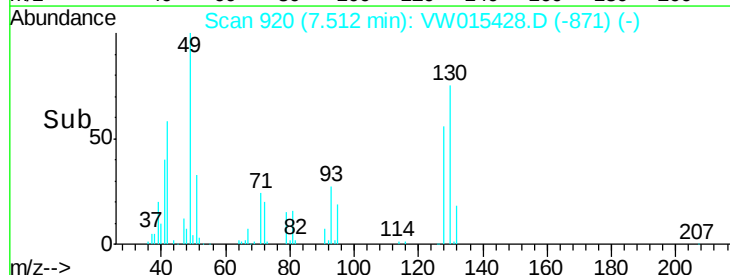
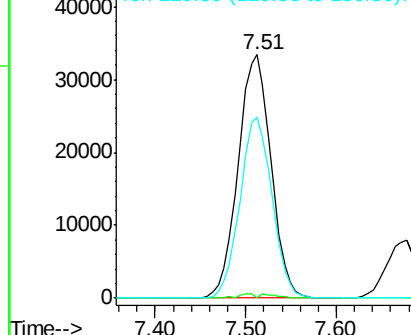
#28

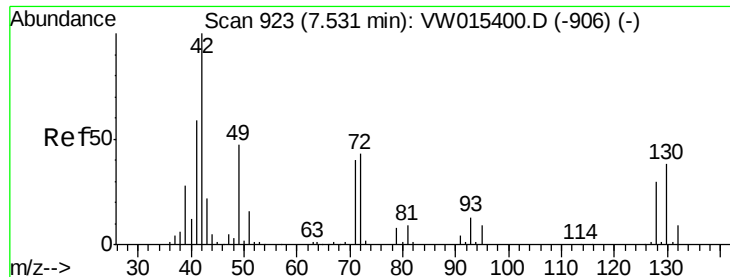
Bromochloromethane
Concen: 46.704 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

Tgt Ion	49	Resp	83920
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.0
130	72.7	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

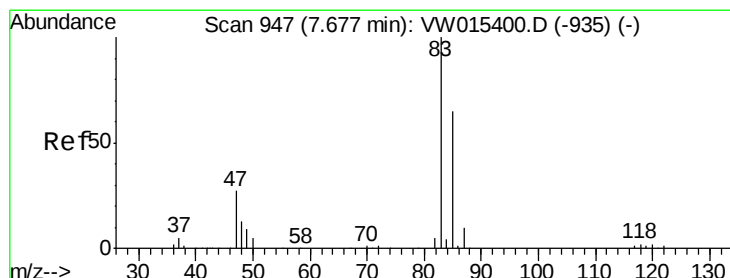
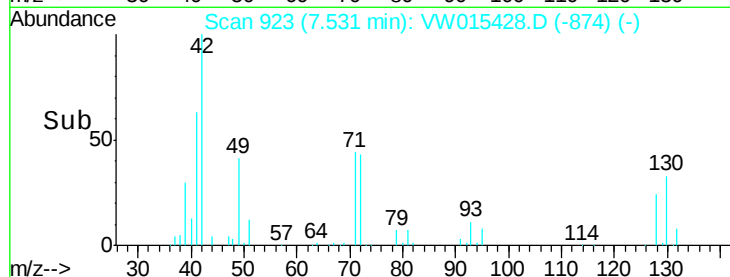
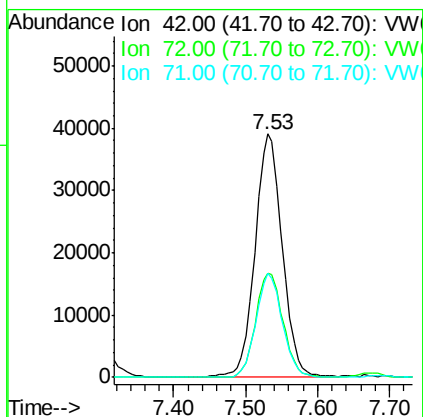
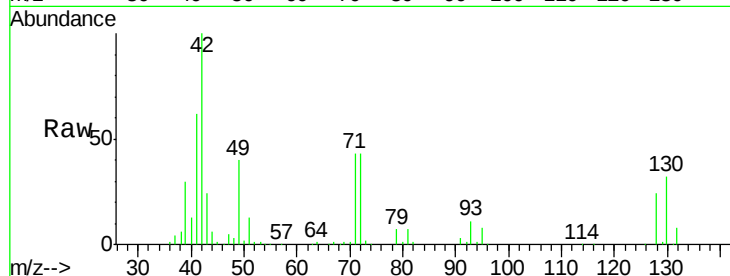




#29
Tetrahydrofuran
Concen: 260.702 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

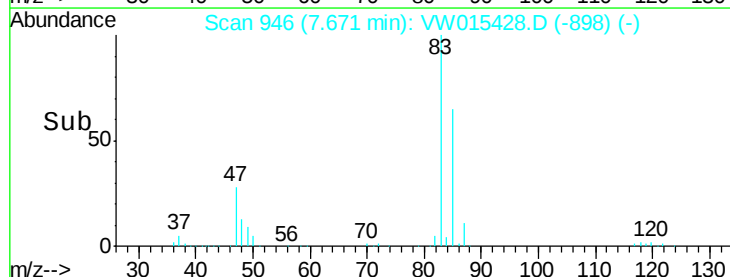
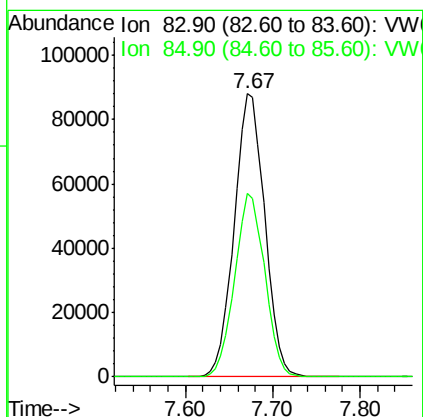
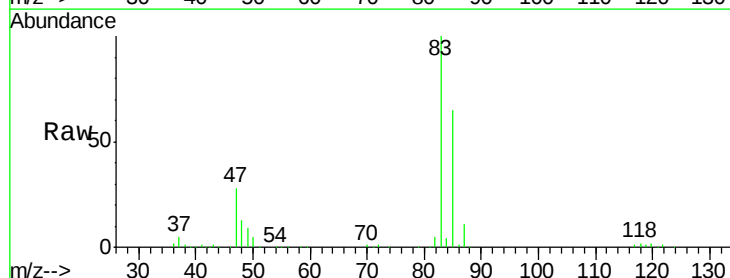
Instrument :
MSVOA_W
ClientSampled :

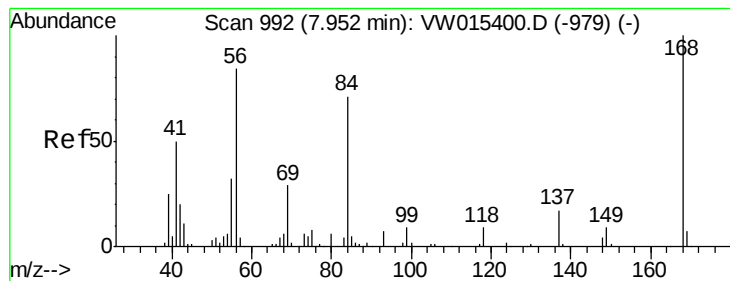
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	33.6	50.4
71	41.3	32.1	48.1



#30
Chloroform
Concen: 48.070 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.6





#31

Cyclohexane

Concen: 45.342 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

Instrument :

MSVOA_W

ClientSampled :

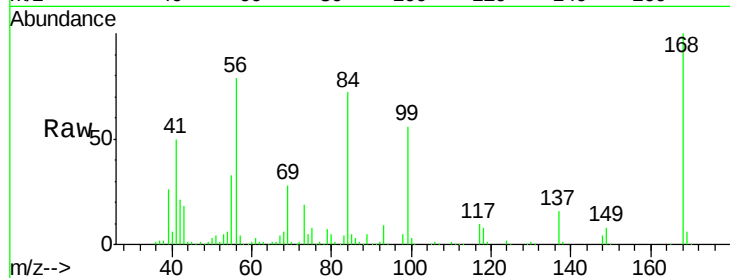
Tot Ion: 56 Resp: 205734

Ion Ratio Lower Upper

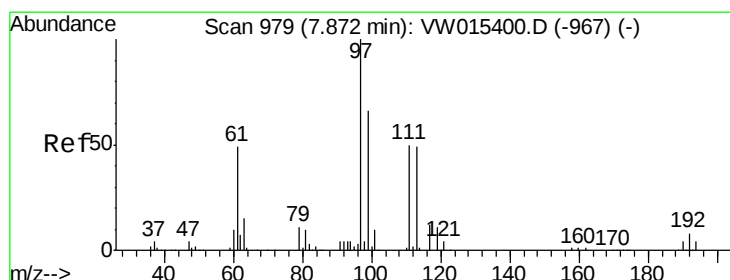
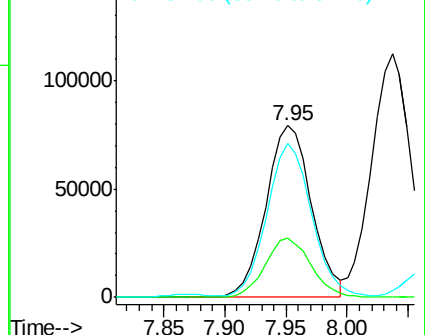
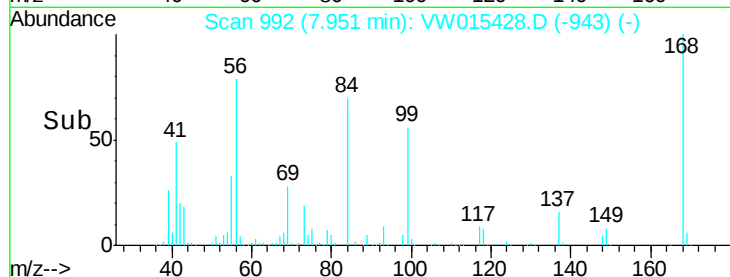
56 100

69 34.8 27.2 40.8

84 88.4 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: 48.577 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

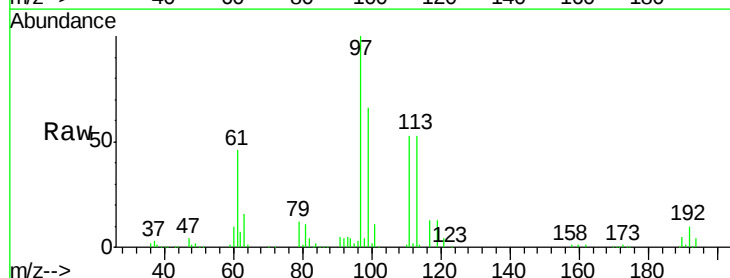
Tgt Ion: 97 Resp: 181280

Ion Ratio Lower Upper

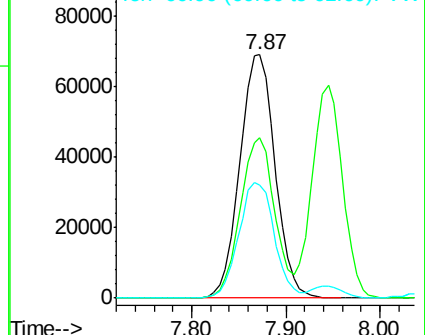
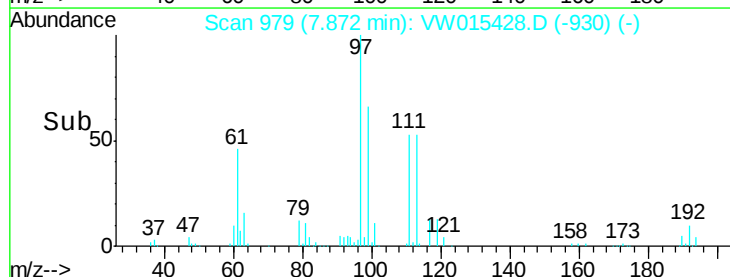
97 100

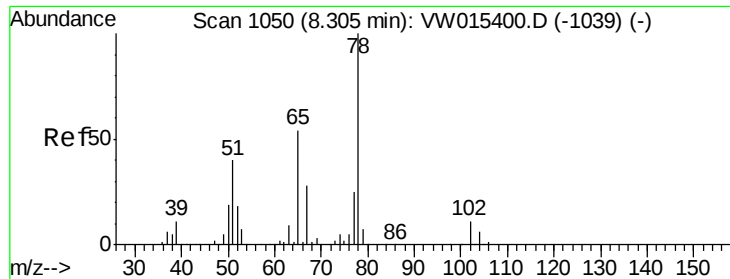
99 64.8 50.7 76.1

61 47.7 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

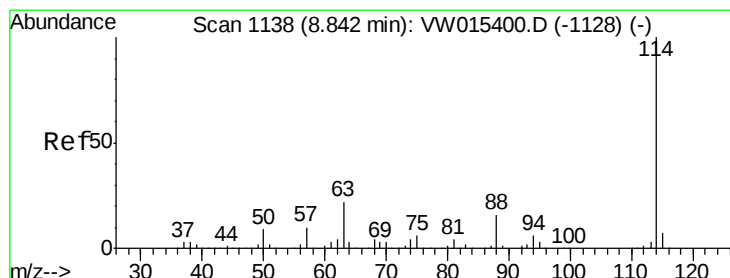
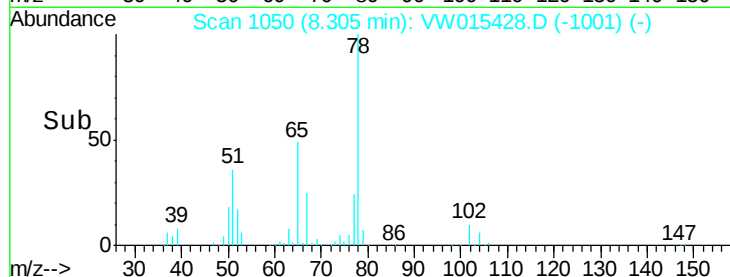
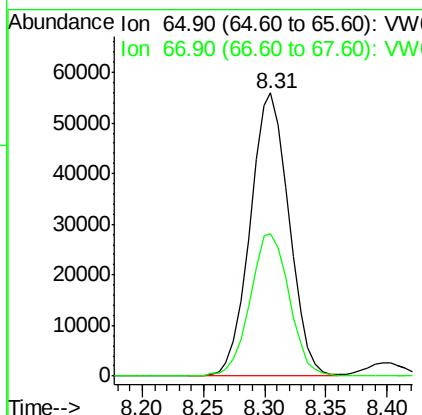
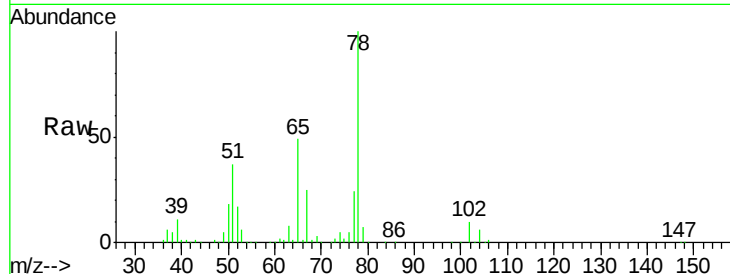




#33
 1,2-Dichloroethane-d4
 Concen: 49.836 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW015428.D
 Acq: 15 May 2020 12:34

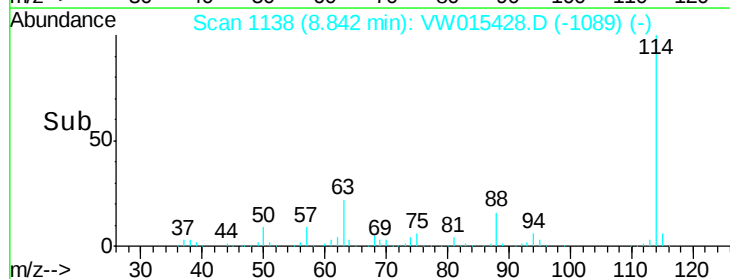
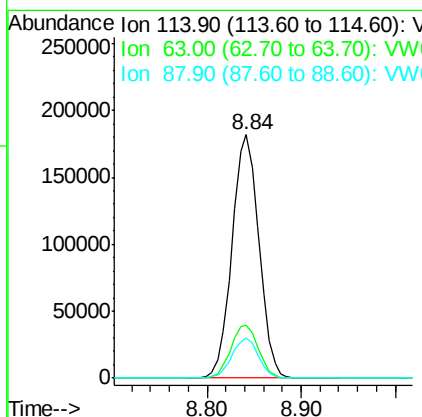
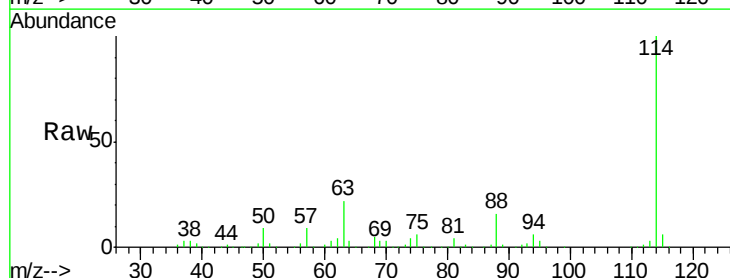
Instrument :
 MSVOA_W
 ClientSampled :

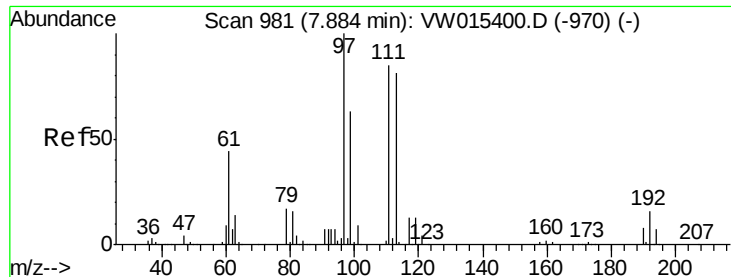
Tot Ion: 65 Resp: 123399
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015428.D
 Acq: 15 May 2020 12:34

Tgt Ion: 114 Resp: 359834
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.4
 88 16.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.742 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

Instrument :
MSVOA_W
ClientSampled :

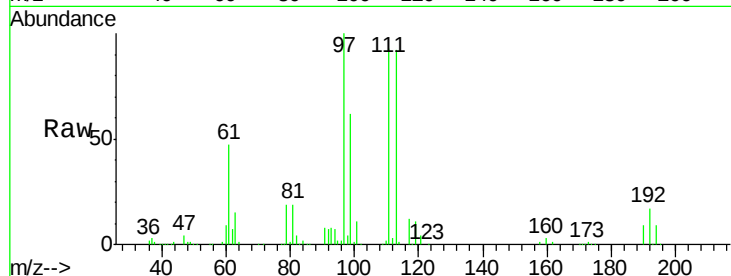
Tot Ion:113 Resp: 106863

Ion Ratio Lower Upper

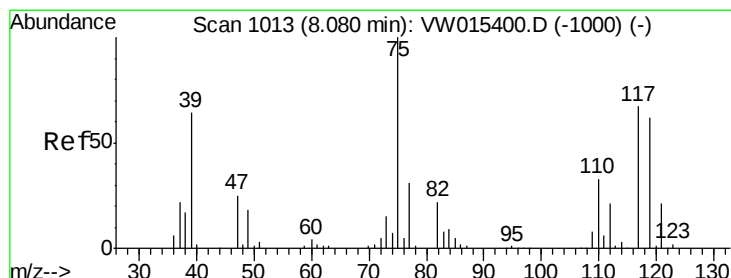
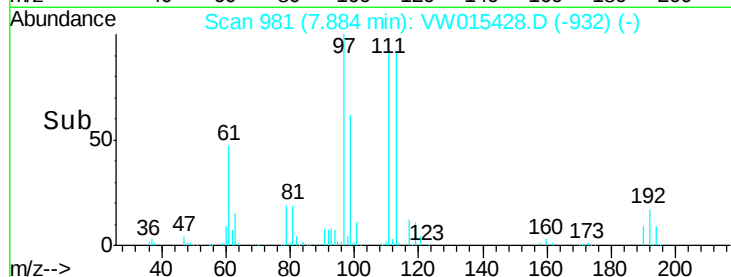
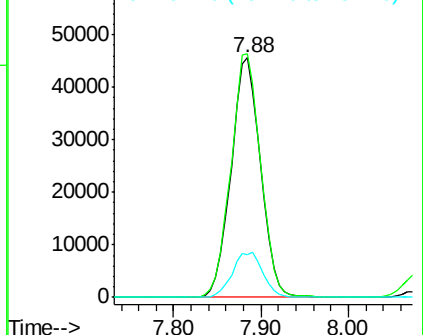
113 100

111 102.6 82.9 124.3

192 19.6 15.4 23.0



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.736 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

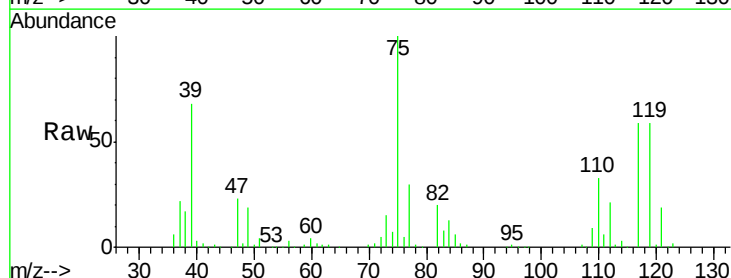
Tgt Ion: 75 Resp: 179369

Ion Ratio Lower Upper

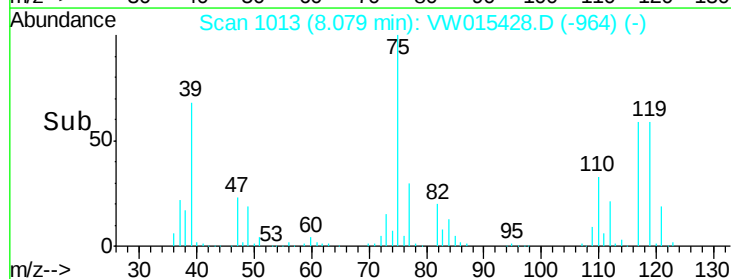
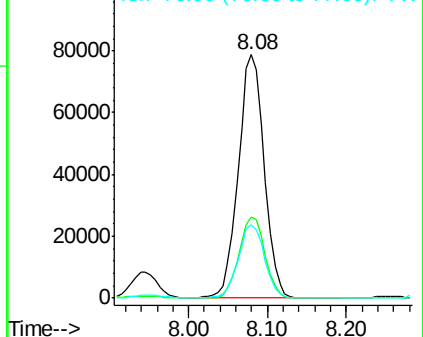
75 100

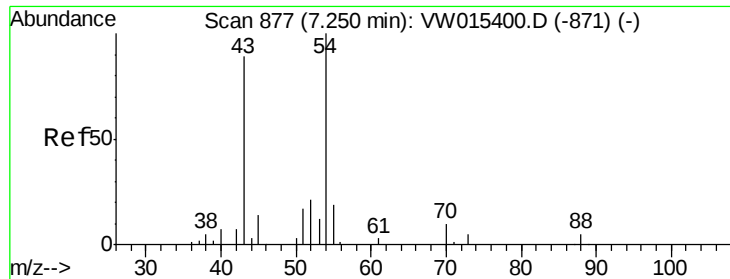
110 33.6 16.6 49.8

77 30.7 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

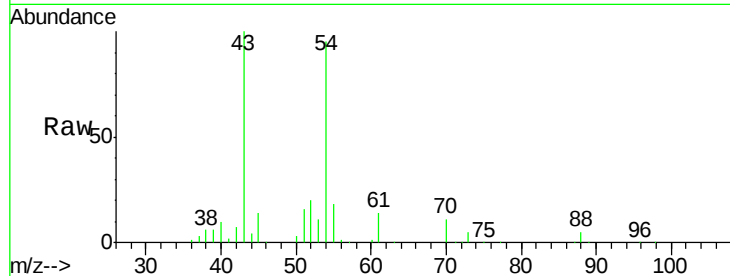




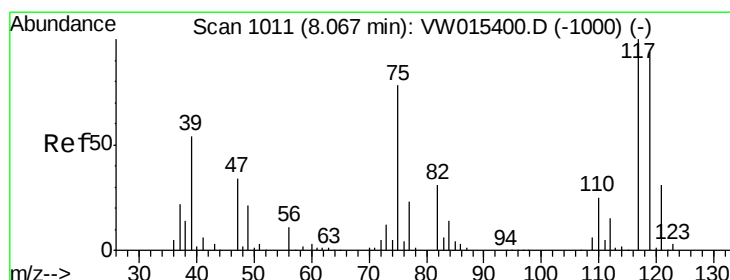
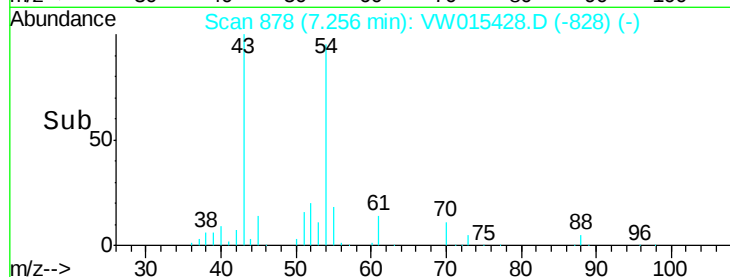
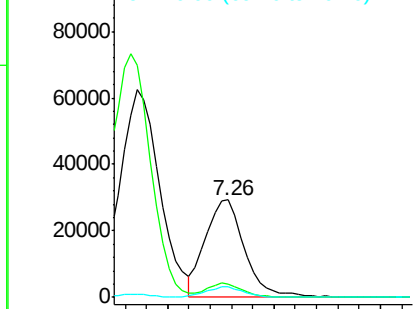
#37
Ethyl Acetate
Concen: 53.890 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 73925
Ion Ratio Lower Upper
43 100
61 13.1 10.2 15.2
70 10.7 8.0 12.0

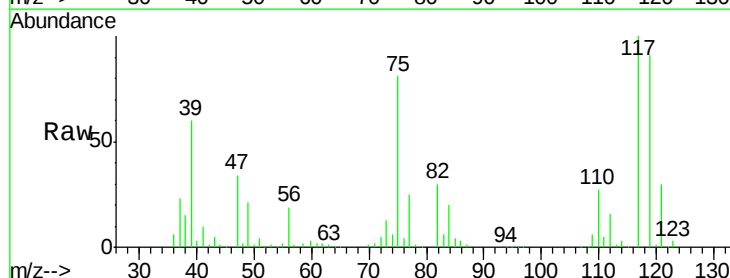


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

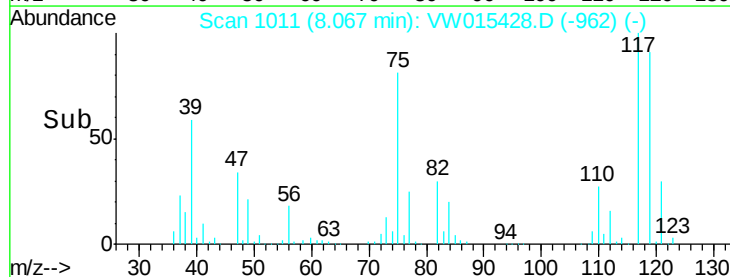
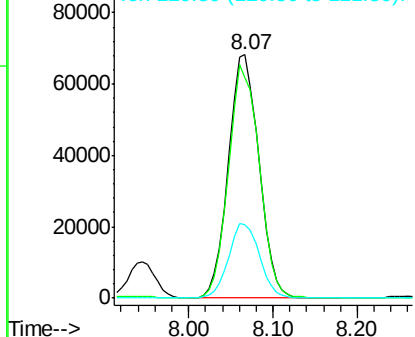


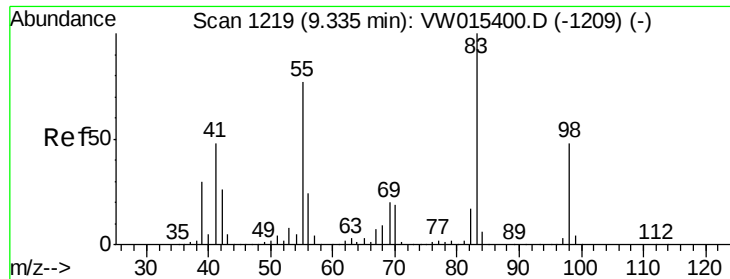
#38
Carbon Tetrachloride
Concen: 50.941 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

Tgt Ion: 117 Resp: 168363
Ion Ratio Lower Upper
117 100
119 90.5 75.4 113.0
121 30.2 24.8 37.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

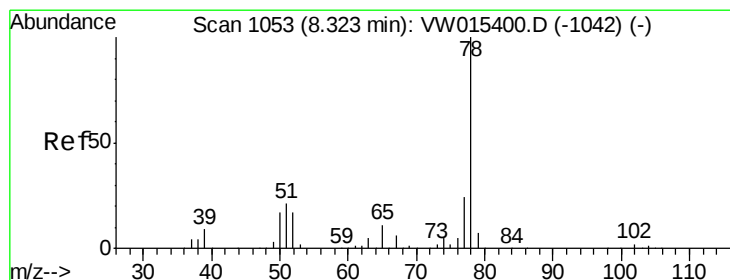
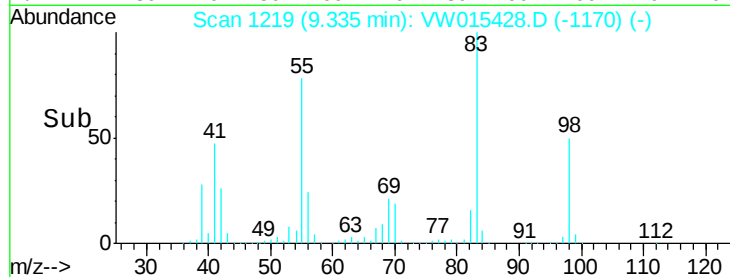
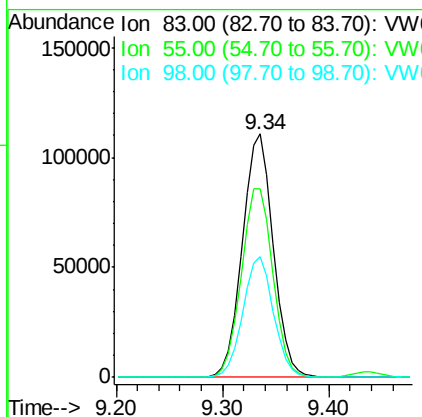
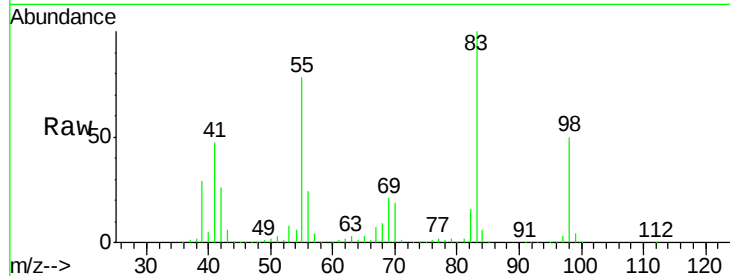




#39
Methvlcvclohexane
Concen: 50.478 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

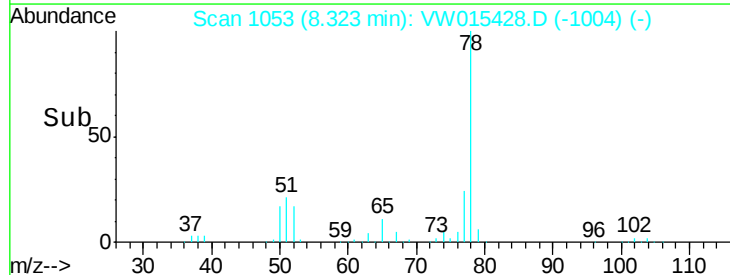
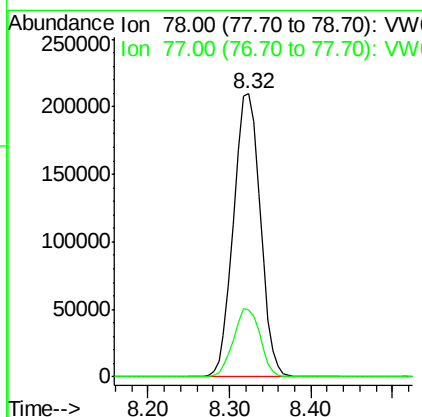
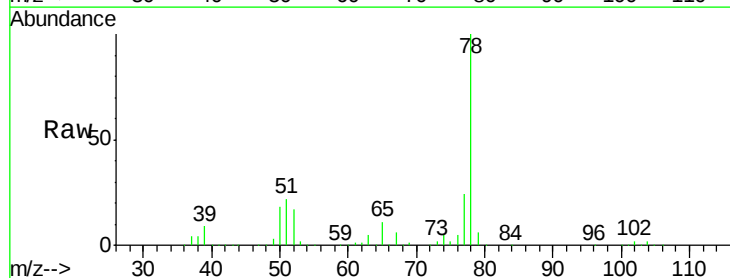
Instrument :
MSVOA_W
ClientSampled :

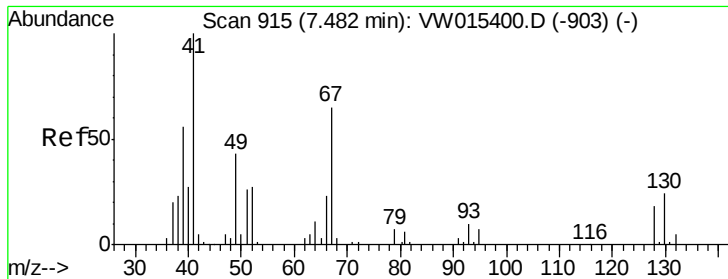
Tot Ion	83	Resp	225894
Ion	Ratio	Lower	Upper
83	100		
55	77.7	61.9	92.9
98	49.8	38.2	57.2



#40
Benzene
Concen: 49.193 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

Tgt Ion	78	Resp	474319
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4

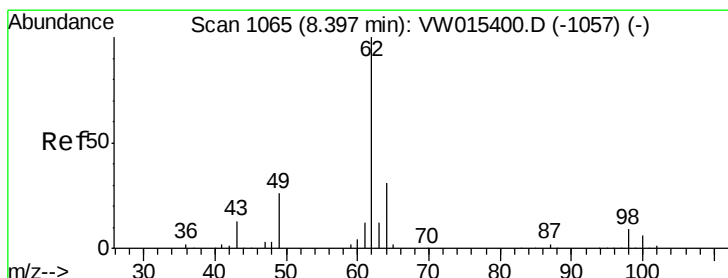
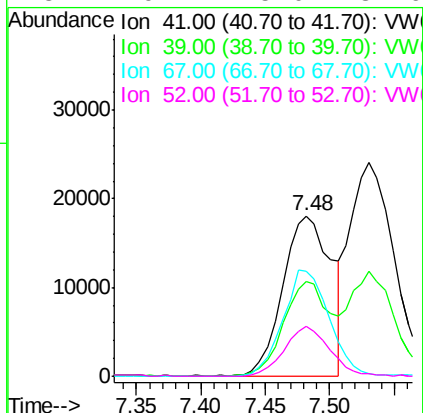
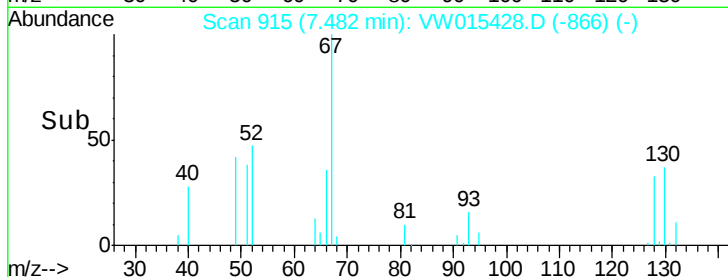
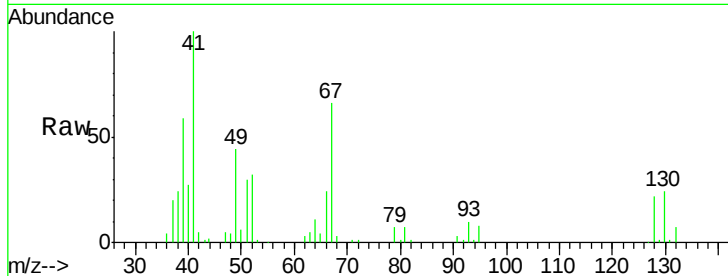




#41
Methacrylonitrile
Concen: 54.808 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

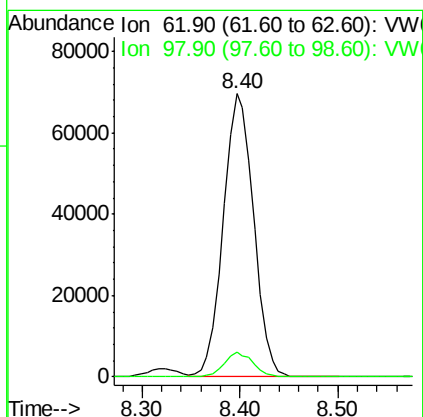
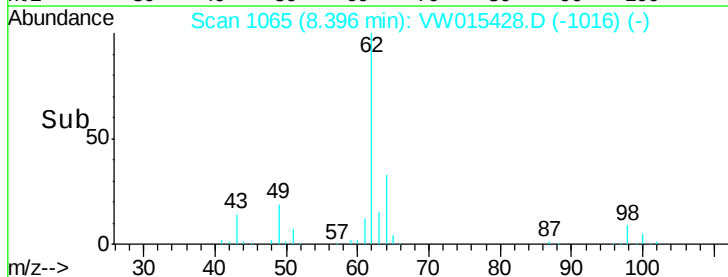
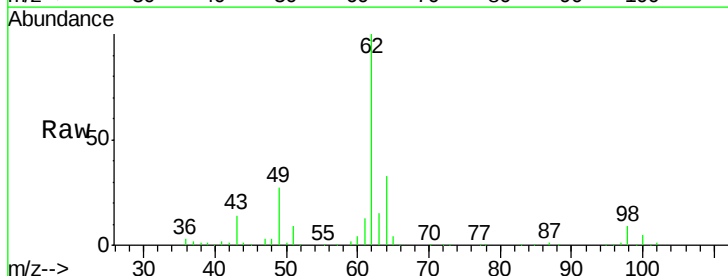
Instrument :
MSVOA_W
ClientSampled :

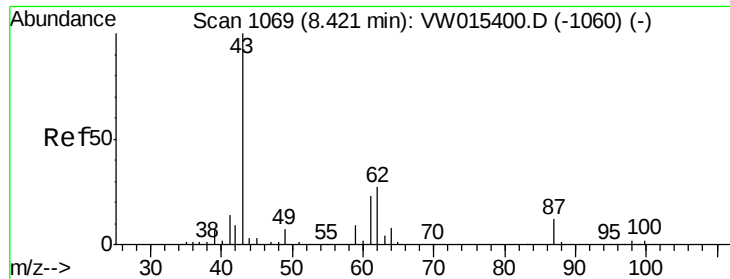
Tot Ion:	41	Resp:	47504
Ion	Ratio	Lower	Upper
41	100		
39	56.5	46.2	69.4
67	62.9	56.2	84.2
52	29.1	25.0	37.6



#42
1,2-Dichloroethane
Concen: 50.990 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

Tgt Ion:	62	Resp:	149748
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.6





#43

Isopropyl Acetate

Concen: 53.060 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

Instrument :

MSVOA_W

ClientSampleId :

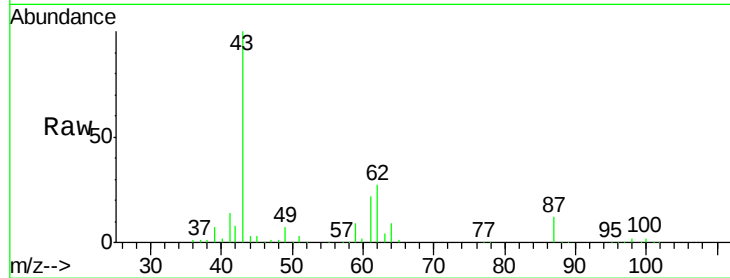
Tot Ion: 43 Resp: 153076

Ion Ratio Lower Upper

43 100

61 29.0 24.3 36.5

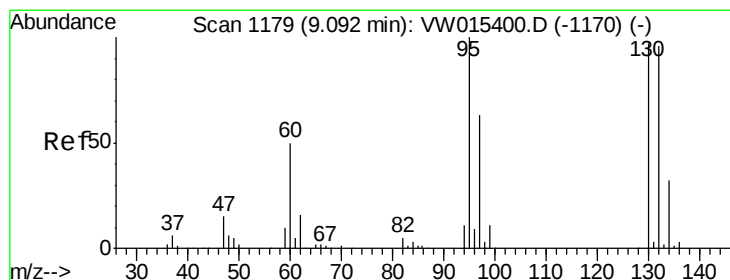
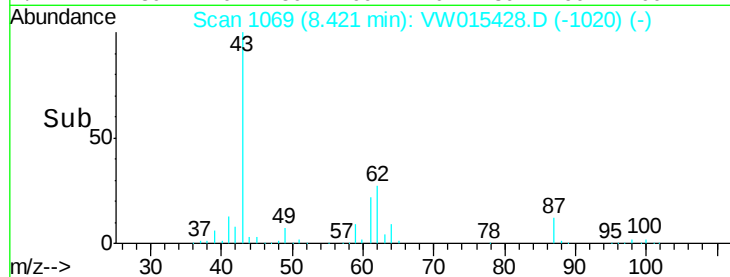
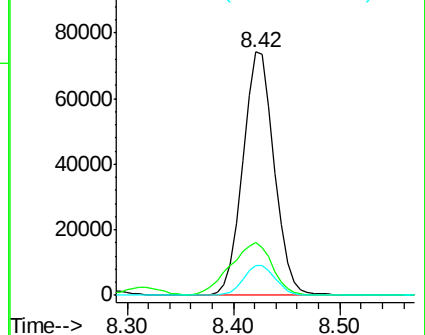
87 12.6 10.1 15.1



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: 50.890 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015428.D

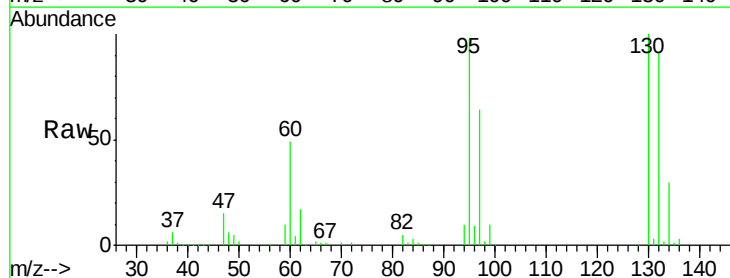
Acq: 15 May 2020 12:34

Tgt Ion: 130 Resp: 127177

Ion Ratio Lower Upper

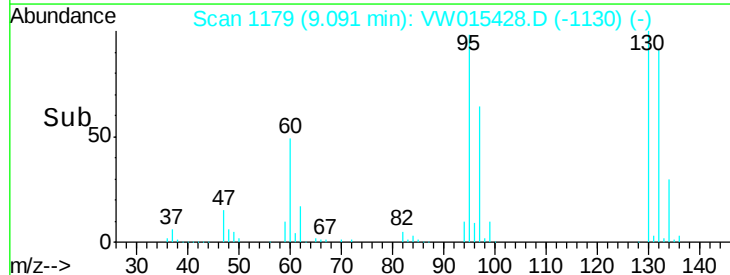
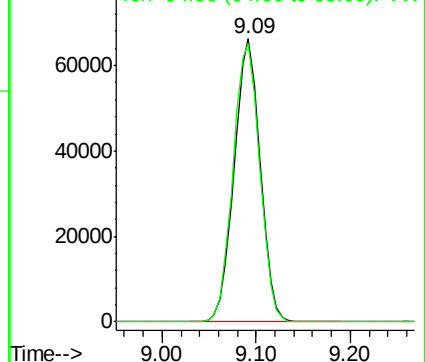
130 100

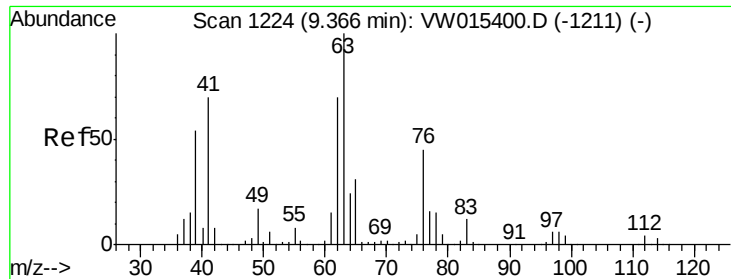
95 98.3 0.0 205.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 49.587 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

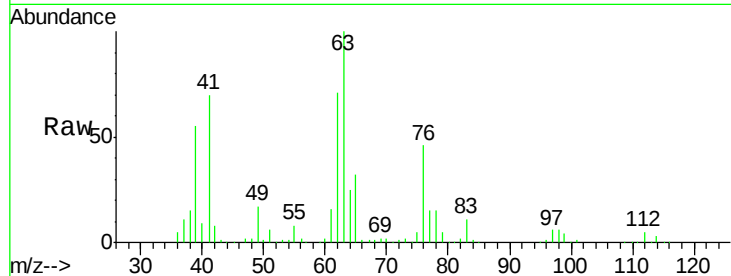
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 63 Resp: 118111

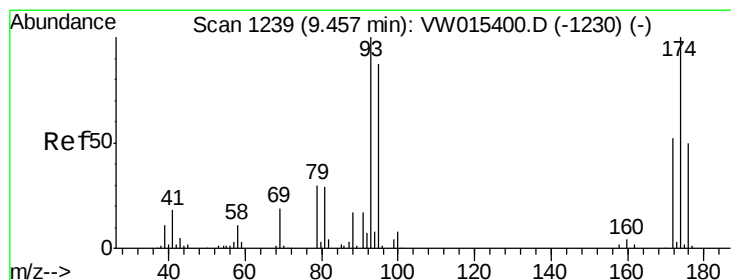
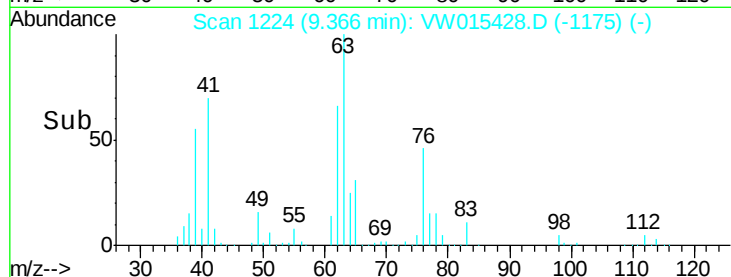
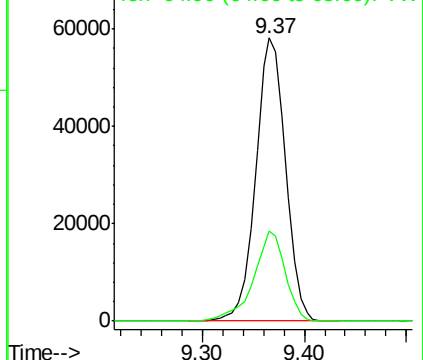
Ion Ratio Lower Upper

63 100

65 31.8 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: 51.295 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

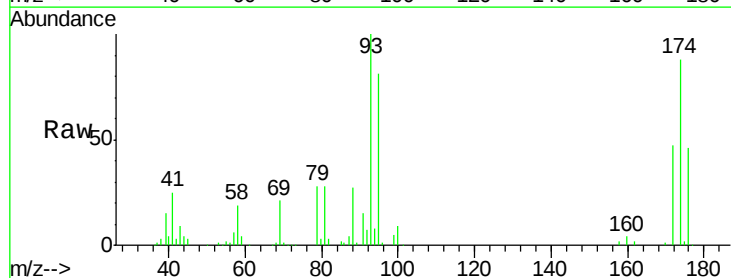
Tgt Ion: 93 Resp: 60768

Ion Ratio Lower Upper

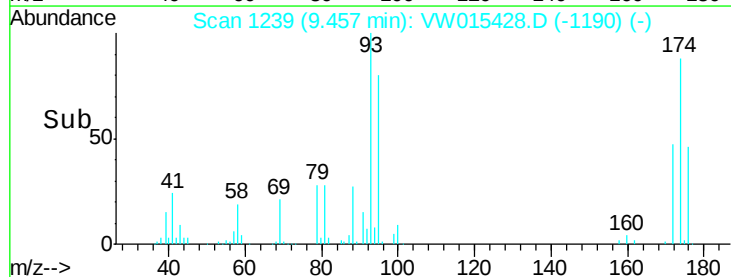
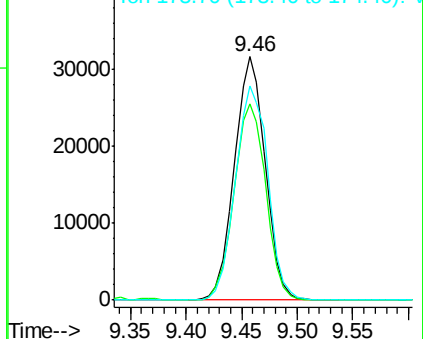
93 100

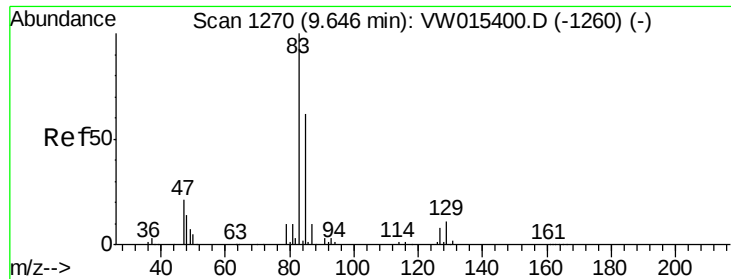
95 82.8 67.0 100.4

174 92.7 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

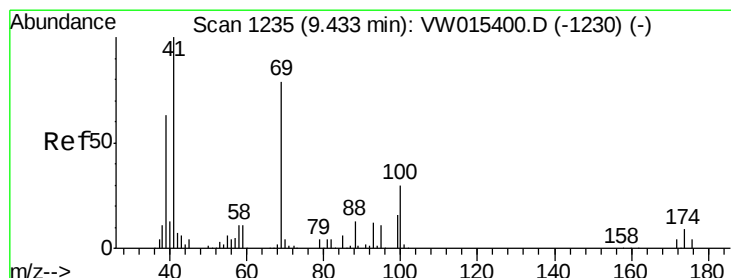
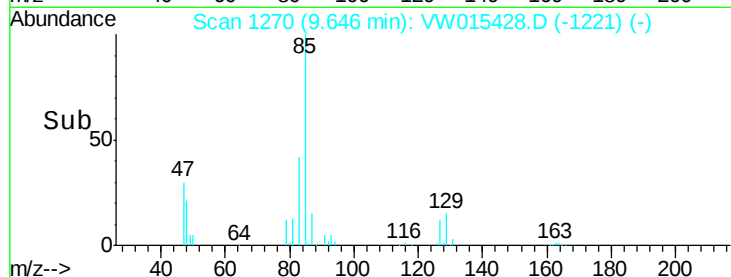
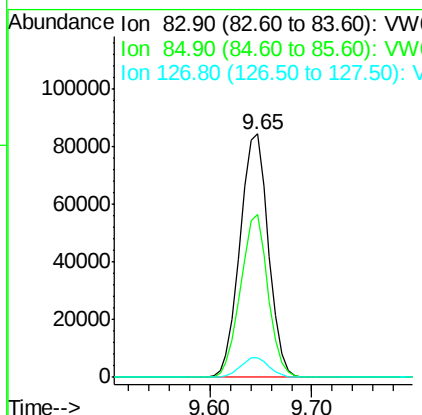
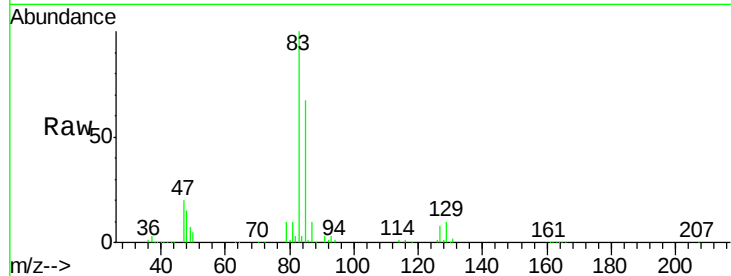




#47
Bromodichloromethane
Concen: 50.484 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

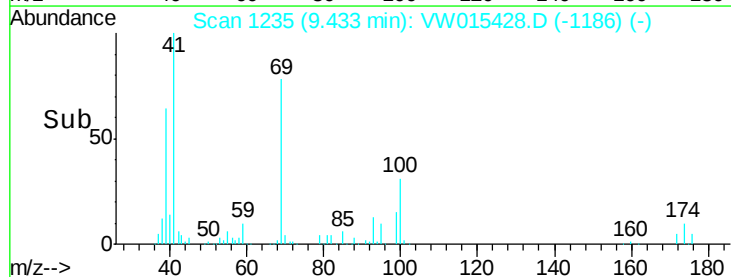
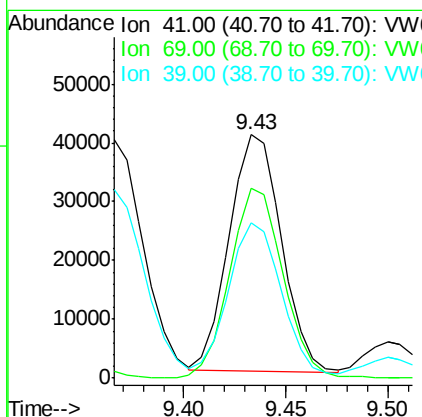
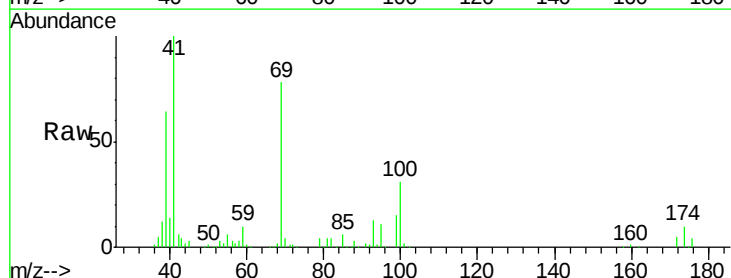
Instrument :
MSVOA_W
ClientSampled :

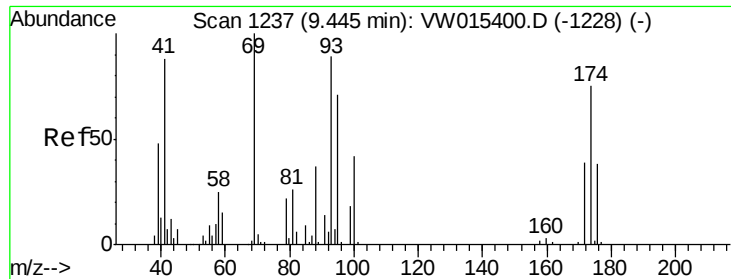
Tot Ion: 83 Resp: 162995
Ion Ratio Lower Upper
83 100
85 66.9 49.4 74.0
127 8.2 6.4 9.6



#48
Methyl methacrylate
Concen: 53.611 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

Tgt Ion: 41 Resp: 71442
Ion Ratio Lower Upper
41 100
69 82.6 66.2 99.4
39 63.6 51.1 76.7

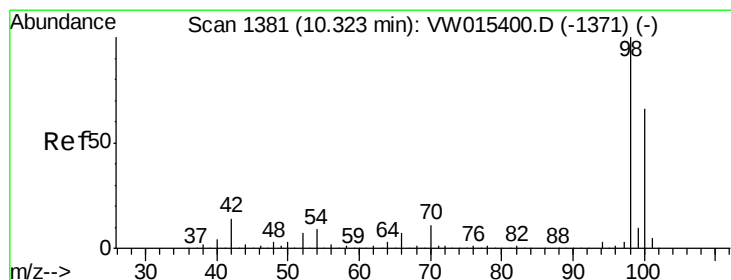
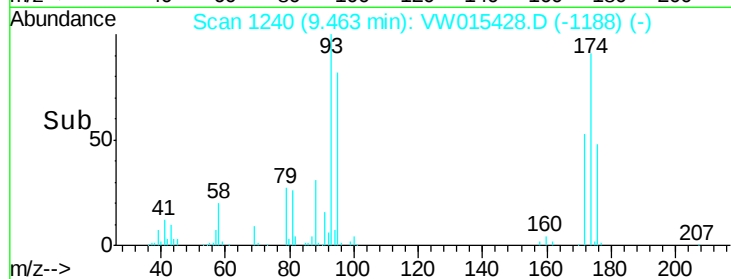
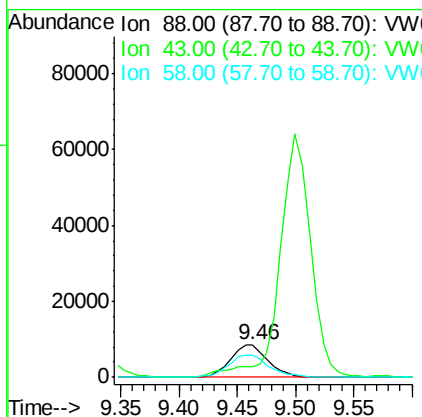
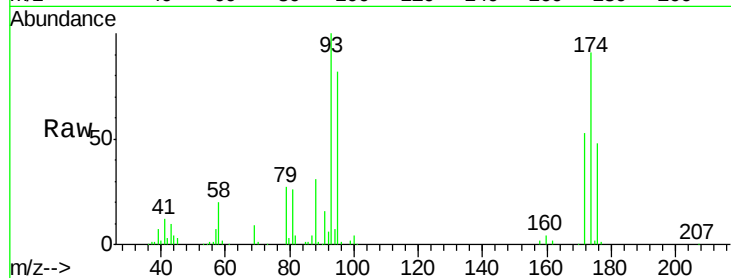




#49
 1,4-Dioxane
 Concen: 1291.928 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.02 min
 Lab File: VW015428.D
 Acq: 15 May 2020 12:34

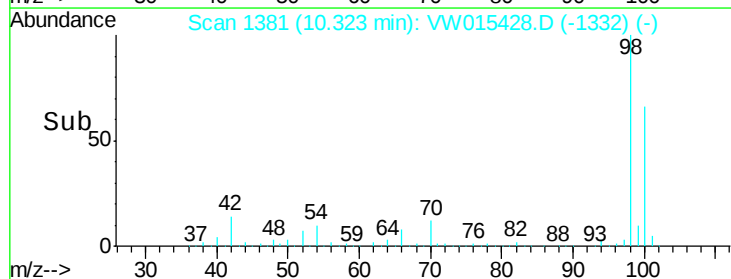
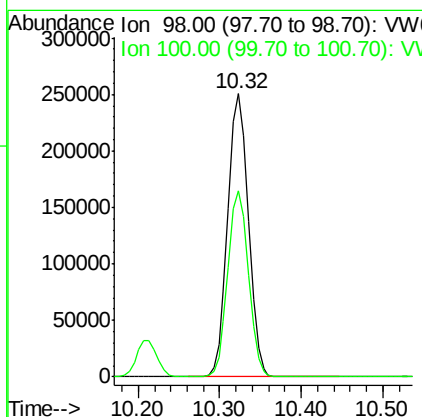
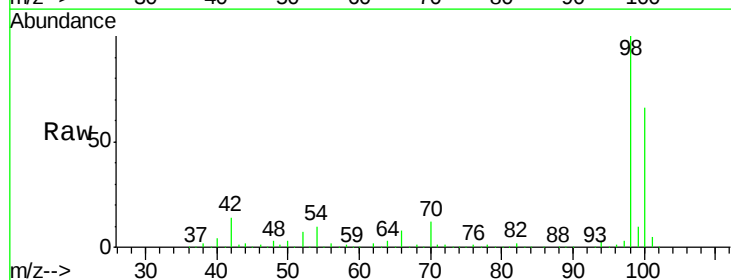
Instrument :
 MSVOA_W
 ClientSampleId :

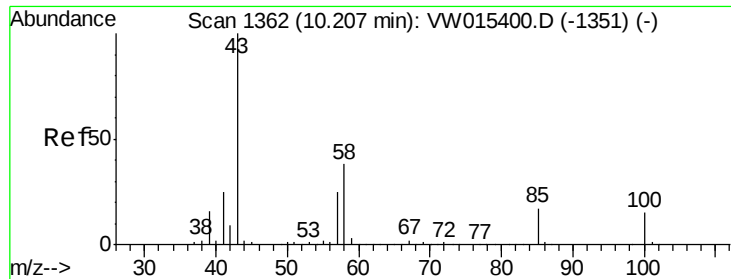
Tot Ion: 88 Resp: 19261
 Ion Ratio Lower Upper
 88 100
 43 0.0 30.6 45.8#
 58 76.2 56.3 84.5



#50
 Toluene-d8
 Concen: 51.191 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW015428.D
 Acq: 15 May 2020 12:34

Tgt Ion: 98 Resp: 437530
 Ion Ratio Lower Upper
 98 100
 100 65.5 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 273.234 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

Instrument :

MSVOA_W

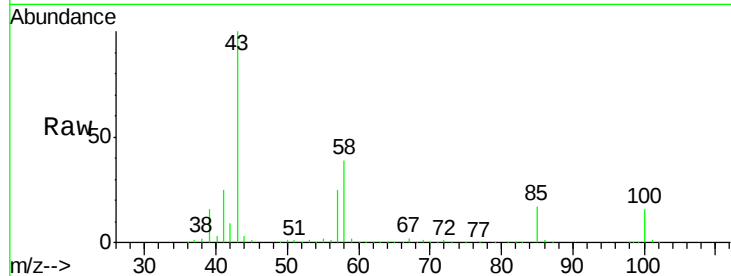
ClientSampled :

Tot Ion: 43 Resp: 369421

Ion Ratio Lower Upper

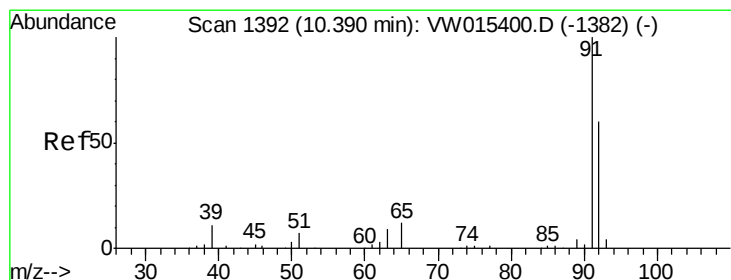
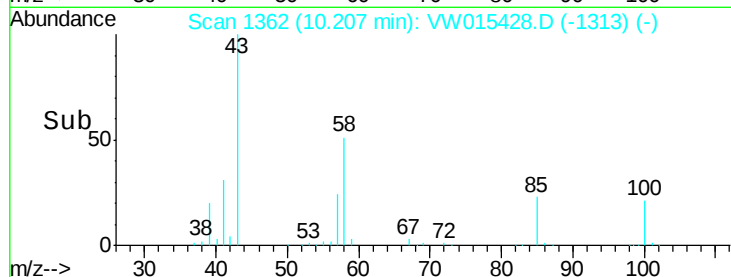
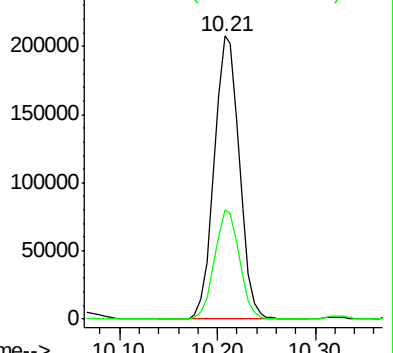
43 100

58 38.3 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 50.089 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015428.D

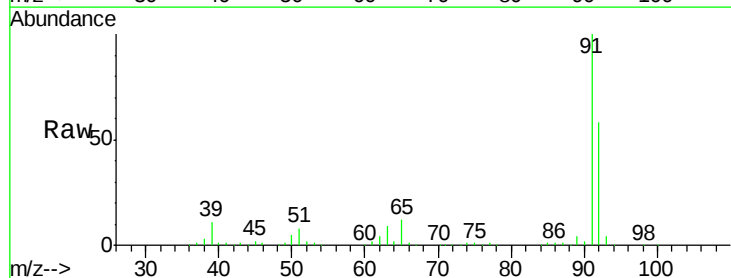
Acq: 15 May 2020 12:34

Tgt Ion: 92 Resp: 313849

Ion Ratio Lower Upper

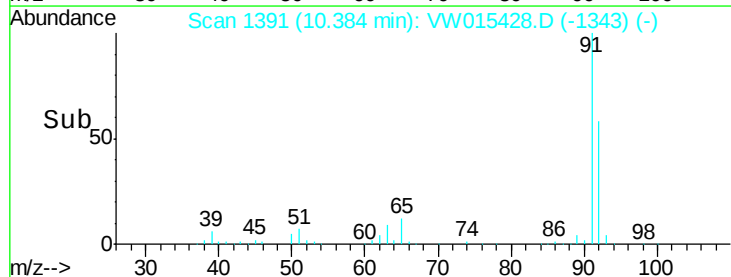
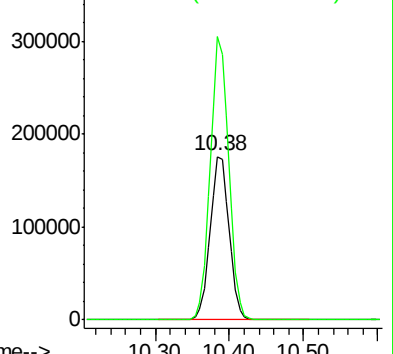
92 100

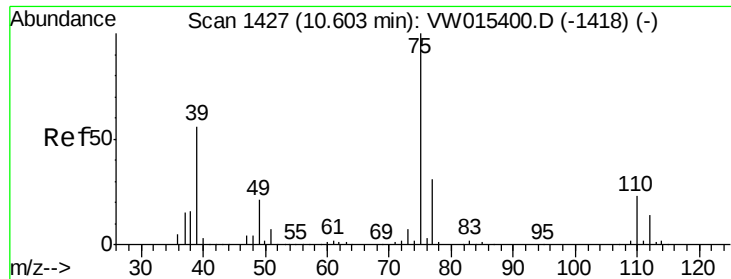
91 169.4 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

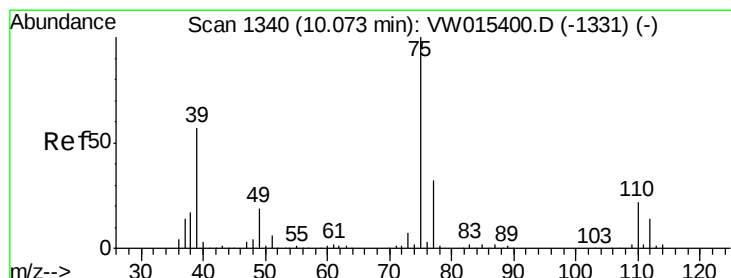
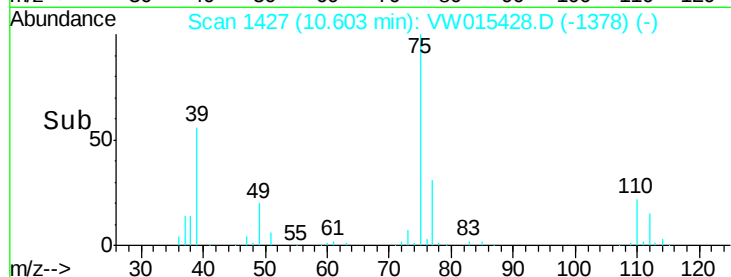
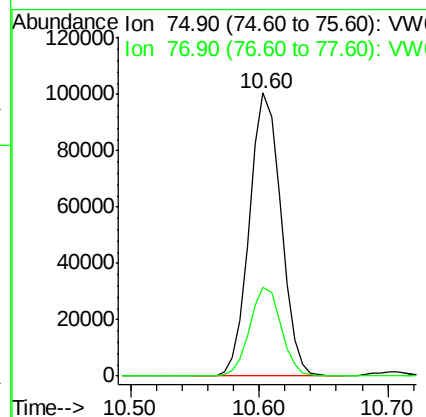
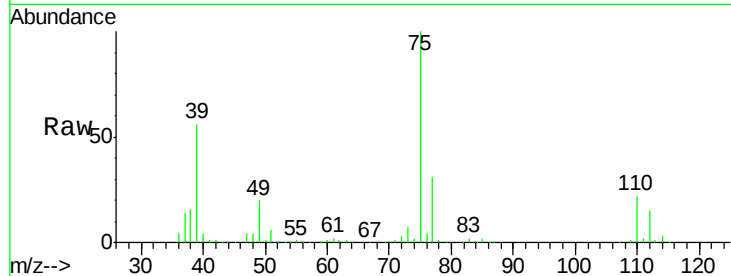




#53
 t-1,3-Dichloropropene
 Concen: 51.733 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW015428.D
 Acq: 15 May 2020 12:34

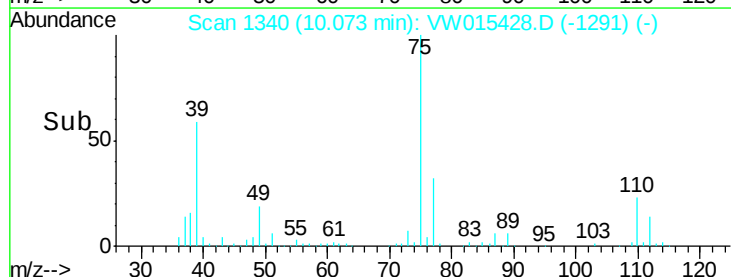
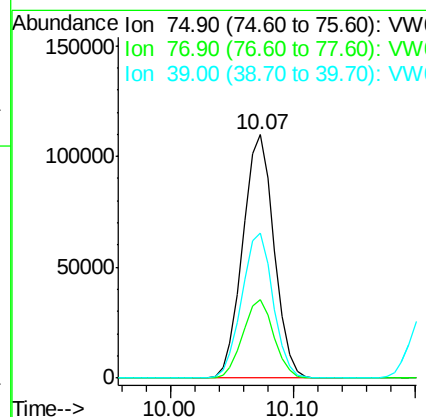
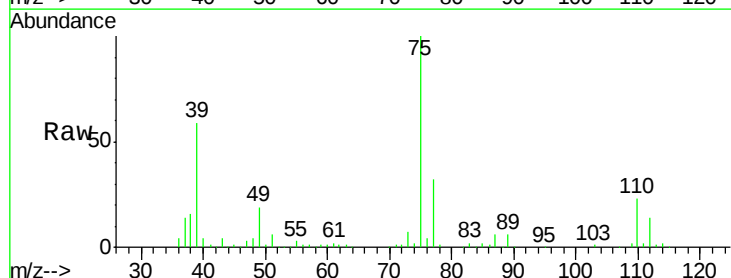
Instrument :
 MSVOA_W
 ClientSampleId :

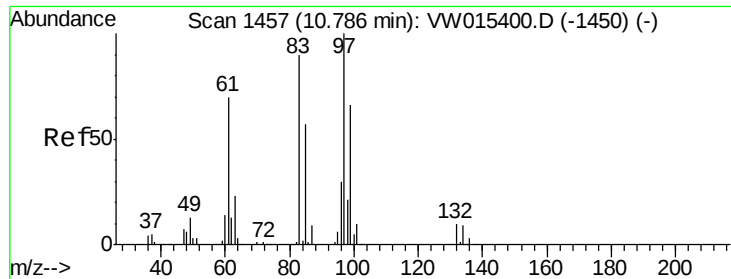
Tot Ion: 75 Resp: 170488
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 50.324 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015428.D
 Acq: 15 May 2020 12:34

Tgt Ion: 75 Resp: 195271
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.6 38.4
 39 59.3 45.6 68.4

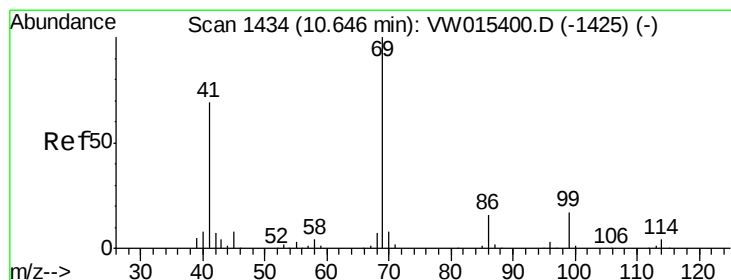
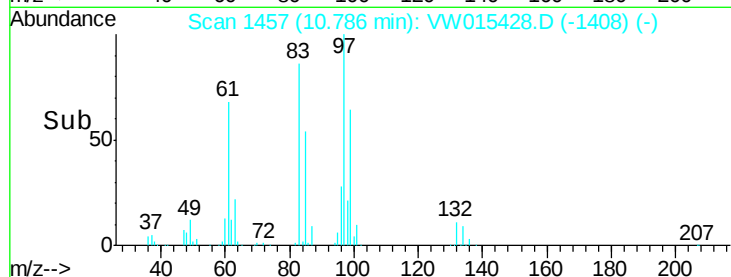
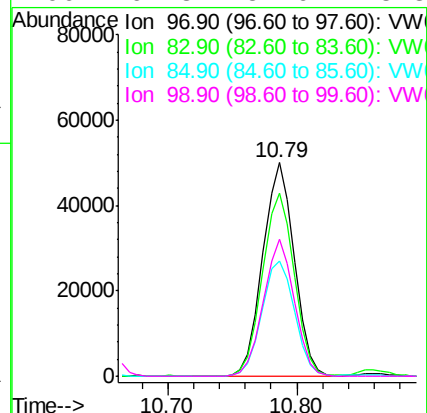
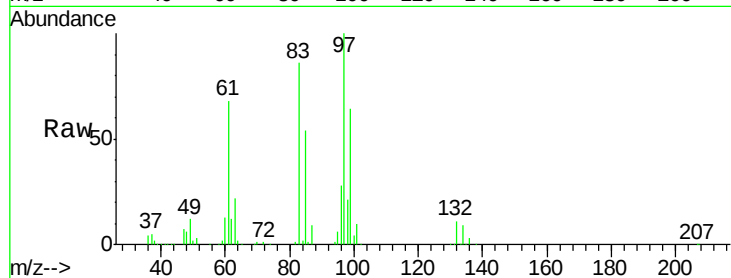




#55
 1,1,2-Trichloroethane
 Concen: 50.611 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015428.D
 Acq: 15 May 2020 12:34

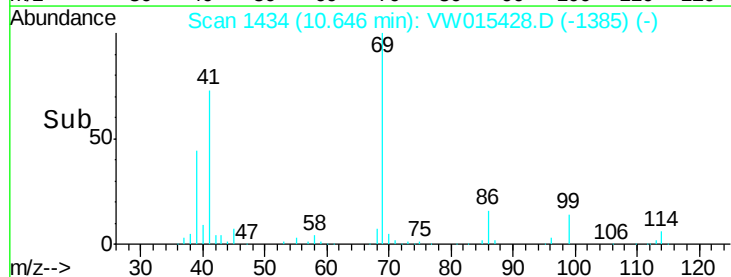
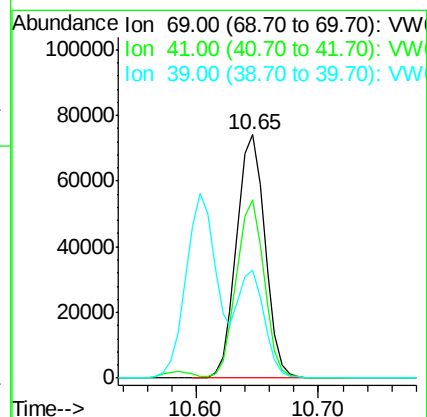
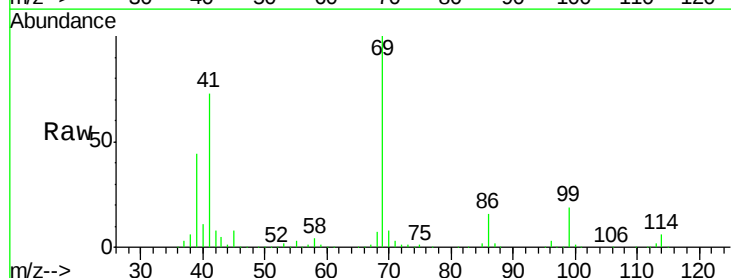
Instrument :
 MSVOA_W
 ClientSampleId :

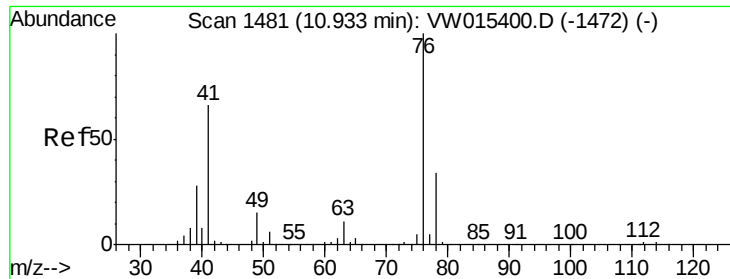
Tot Ion:	97	Resp:	84786
Ion	Ratio	Lower	Upper
97	100		
83	85.7	72.2	108.4
85	53.9	45.2	67.8
99	64.3	52.6	78.8



#56
 Ethyl methacrylate
 Concen: 51.986 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW015428.D
 Acq: 15 May 2020 12:34

Tgt Ion:	69	Resp:	119658
Ion	Ratio	Lower	Upper
69	100		
41	71.4	55.3	82.9
39	40.4	31.9	47.9

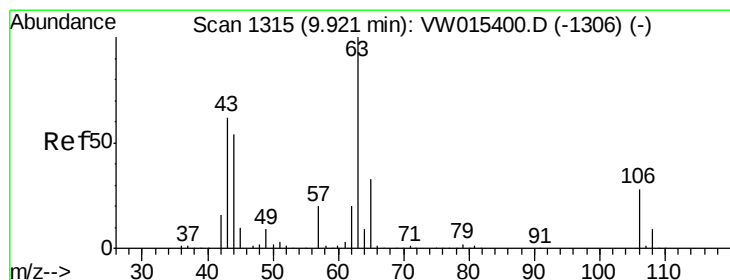
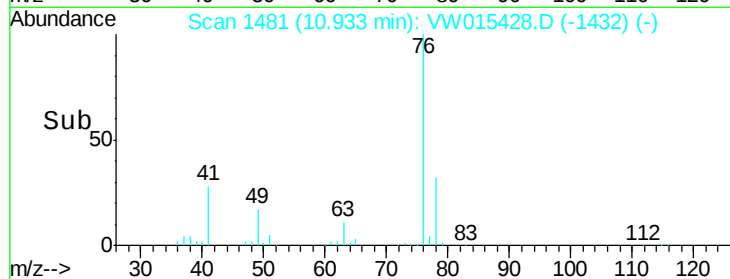
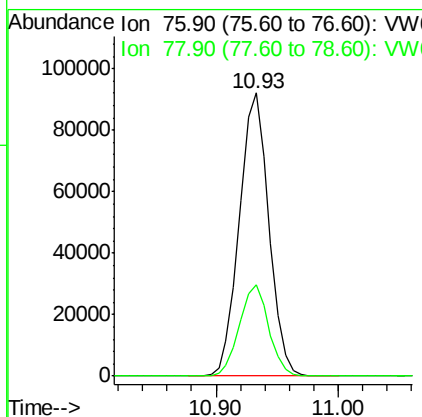
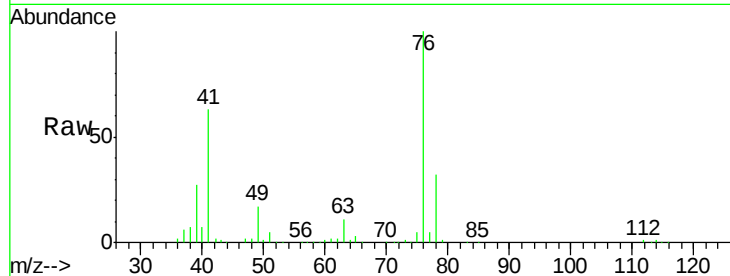




#57
 1,3-Dichloropropane
 Concen: 51.121 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW015428.D
 Acq: 15 May 2020 12:34

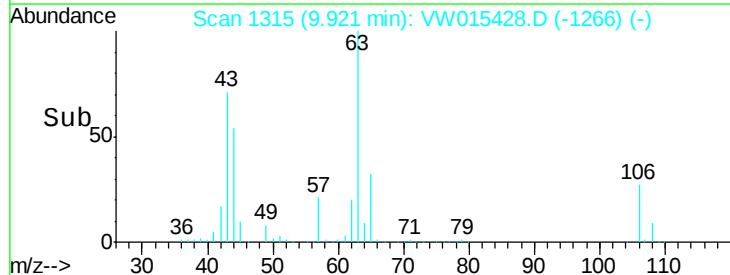
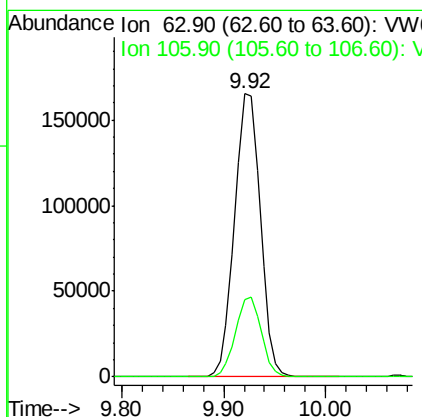
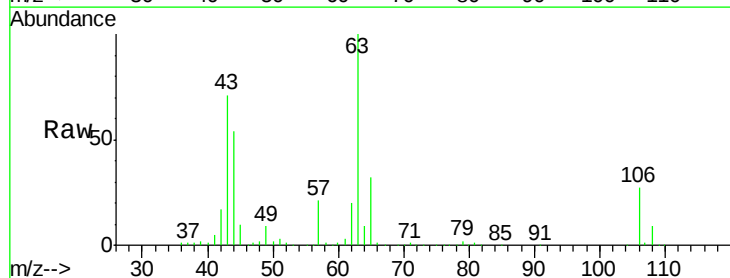
Instrument :
 MSVOA_W
 ClientSampled :

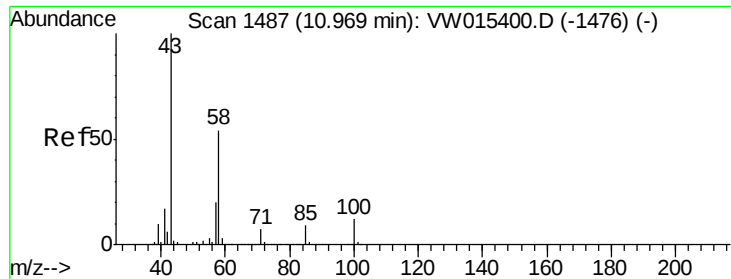
Tot Ion: 76 Resp: 153979
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.297 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW015428.D
 Acq: 15 May 2020 12:34

Tgt Ion: 63 Resp: 289242
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.6 33.8

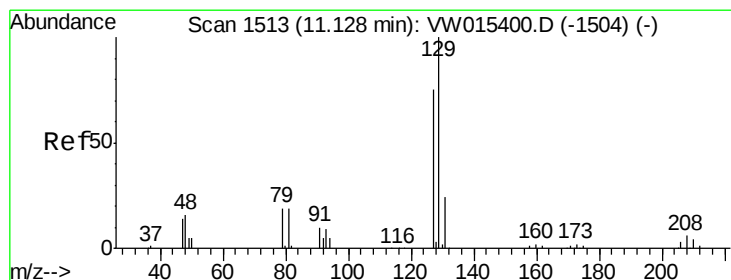
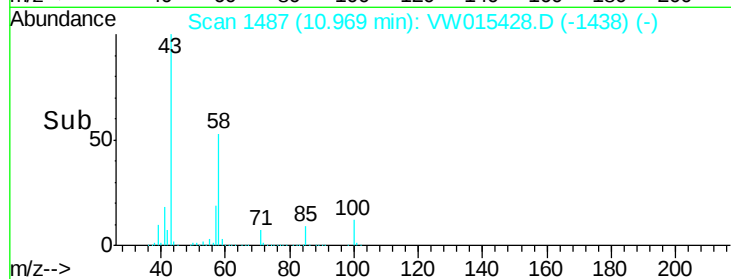
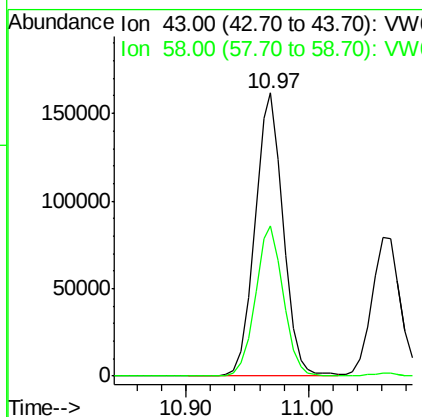
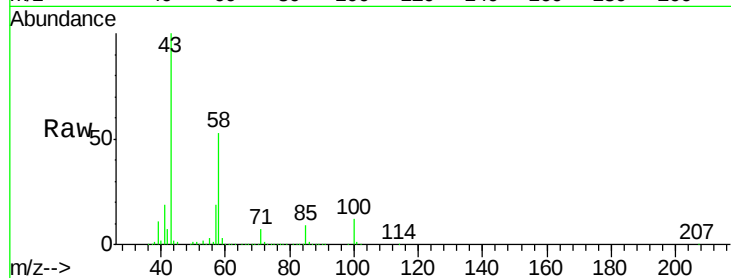




#59
2-Hexanone
Concen: 282.394 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

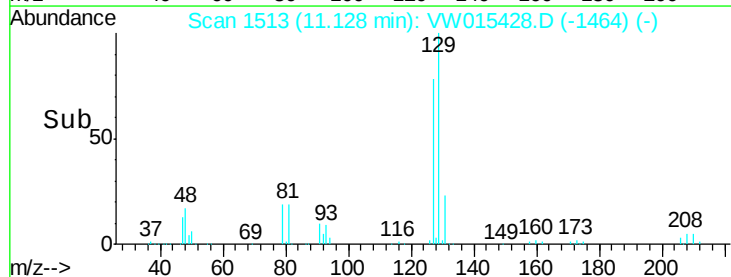
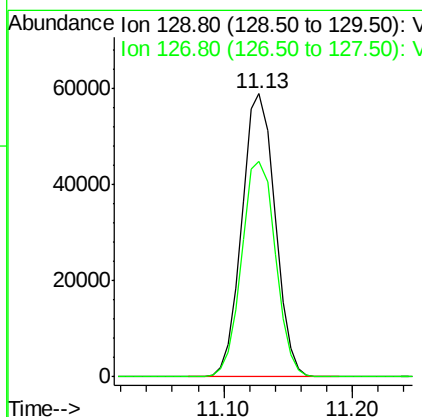
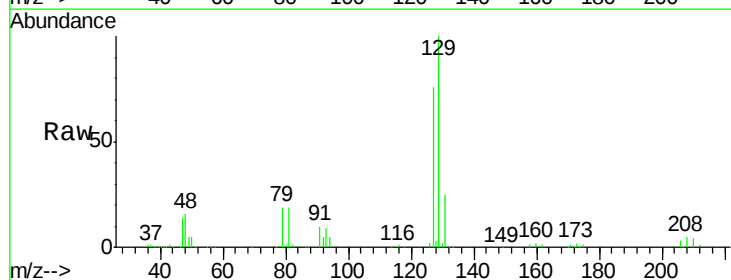
Instrument :
MSVOA_W
ClientSampleId :

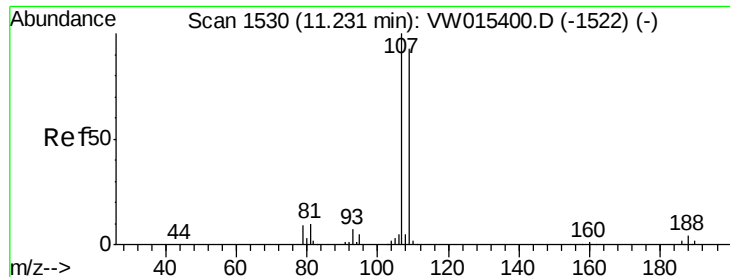
Tot Ion: 43 Resp: 258341
Ion Ratio Lower Upper
43 100
58 52.5 26.7 80.0



#60
Dibromochloromethane
Concen: 51.955 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

Tgt Ion: 129 Resp: 104679
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.2

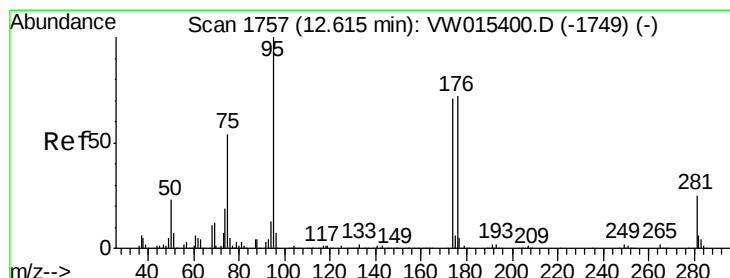
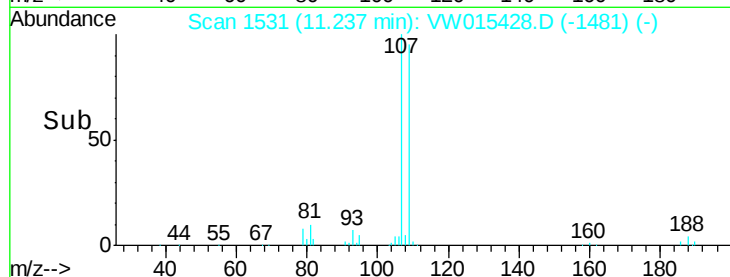
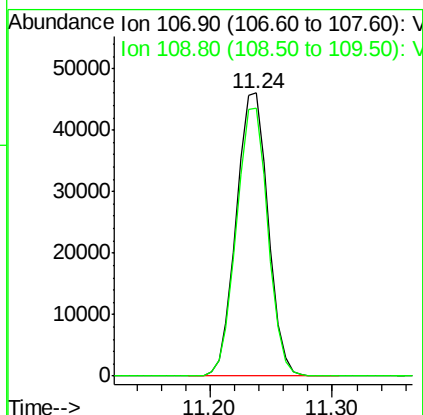
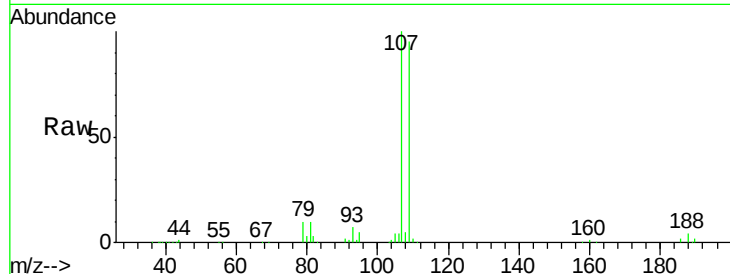




#61
 1,2-Dibromoethane
 Concen: 52.493 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW015428.D
 Acq: 15 May 2020 12:34

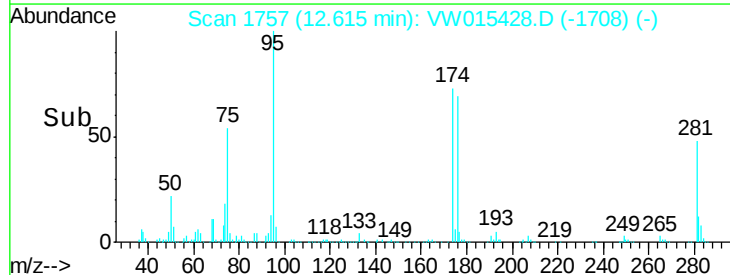
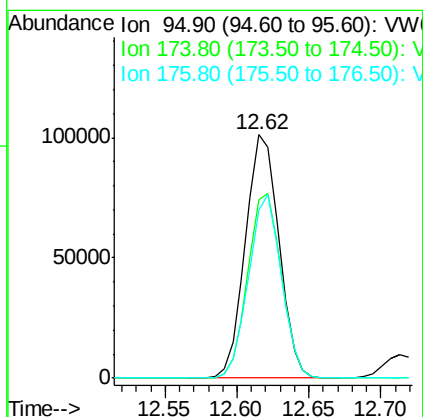
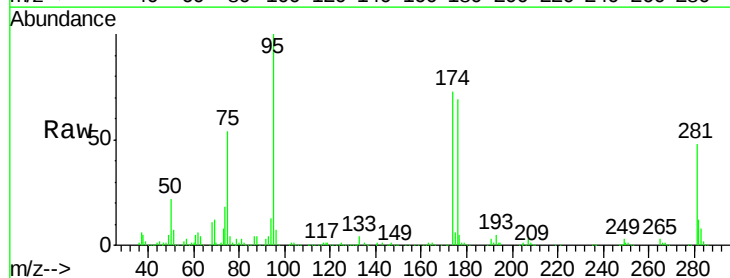
Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 107 Resp: 83265
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 51.720 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW015428.D
 Acq: 15 May 2020 12:34

Tgt Ion: 95 Resp: 163230
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 147.6
 176 73.4 0.0 144.4

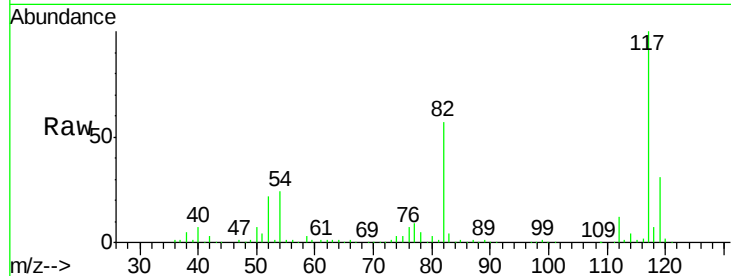




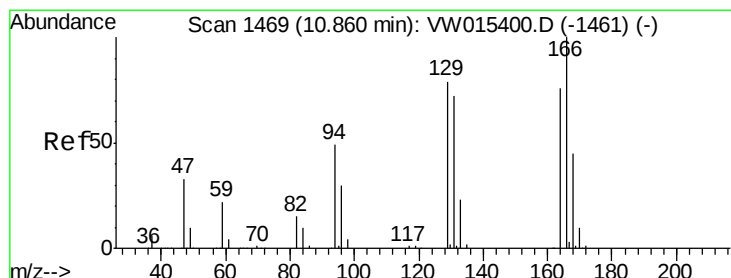
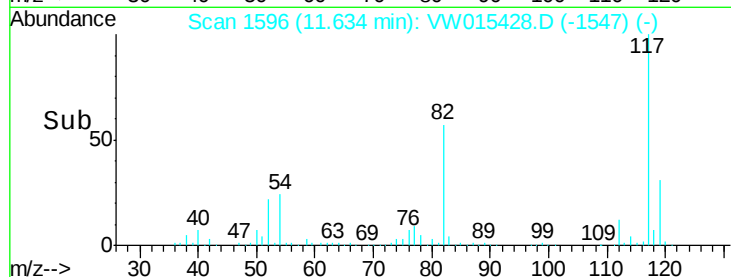
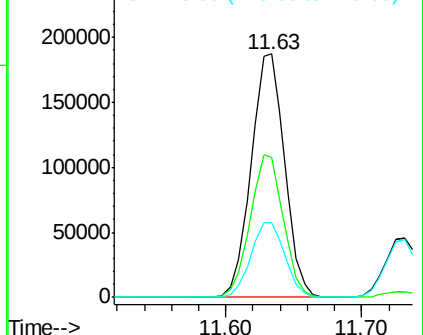
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 323218
Ion Ratio Lower Upper
117 100
82 57.2 46.4 69.6
119 30.7 24.6 37.0



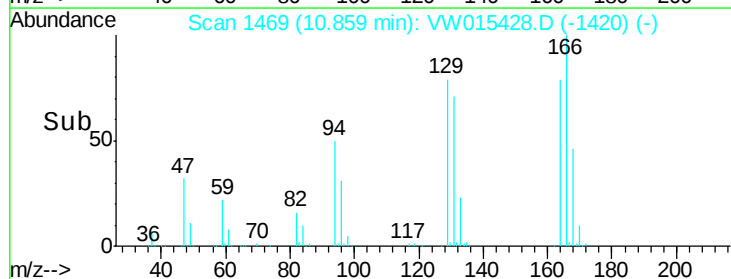
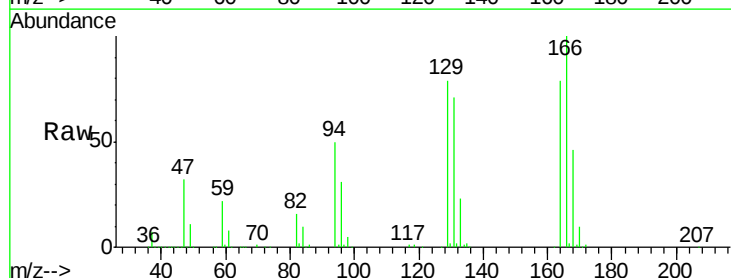
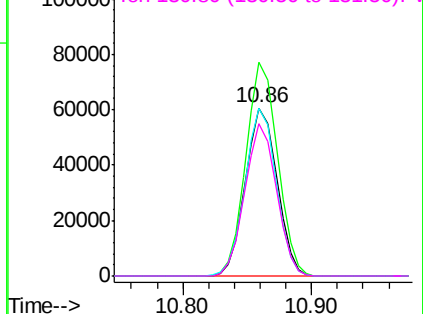
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

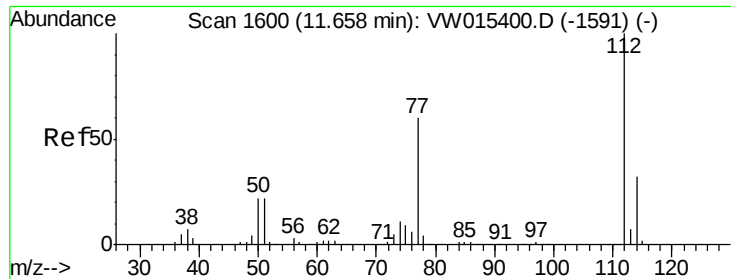


#64
Tetrachloroethene
Concen: 52.375 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

Tgt Ion:164 Resp: 103474
Ion Ratio Lower Upper
164 100
166 127.4 104.9 157.3
129 100.0 82.7 124.1
131 90.9 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

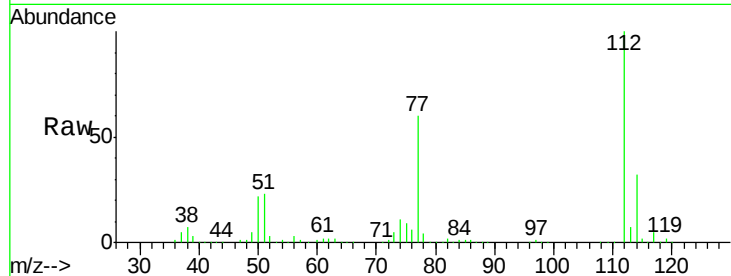




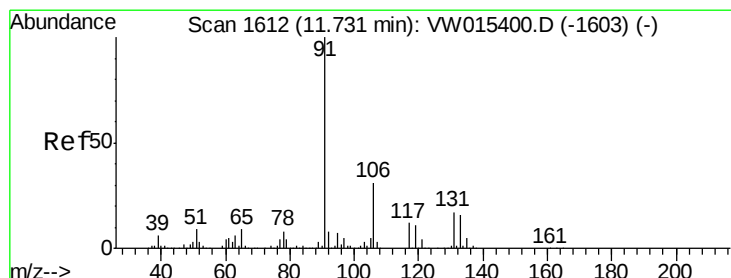
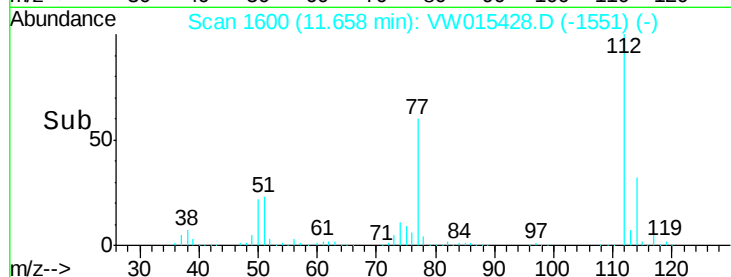
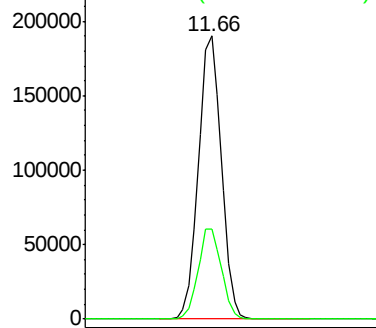
#65
Chlorobenzene
Concen: 50.273 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:112 Resp: 320379
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4

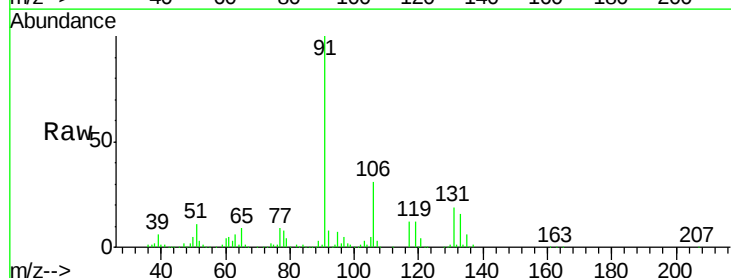


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

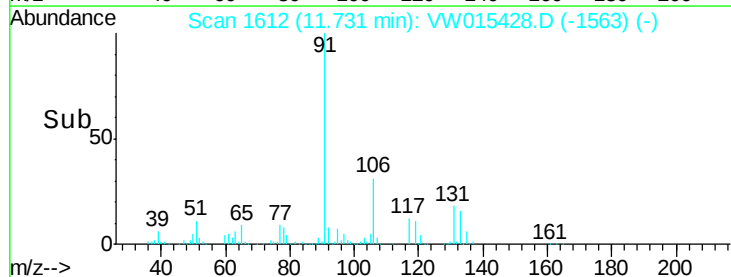
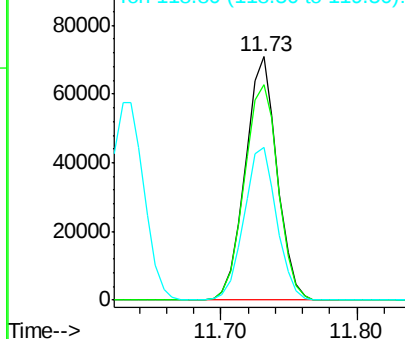


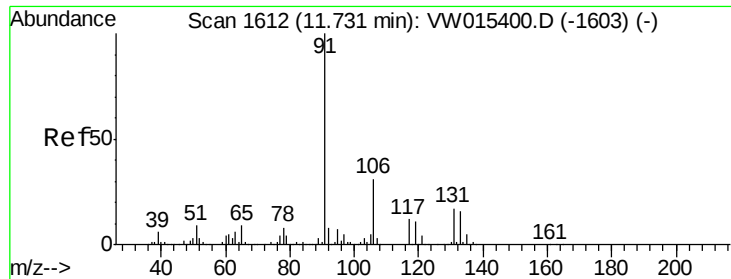
#66
1,1,1,2-Tetrachloroethane
Concen: 51.295 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

Tgt Ion:131 Resp: 115900
Ion Ratio Lower Upper
131 100
133 94.0 47.9 143.8
119 64.2 33.0 99.0



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

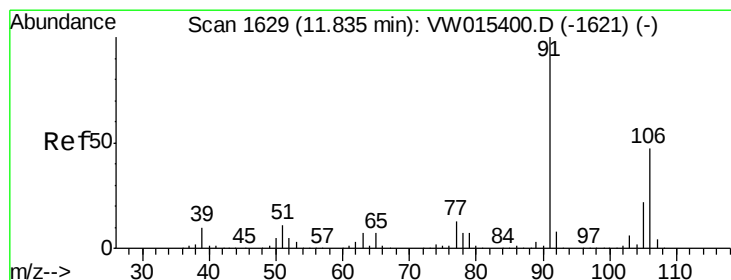
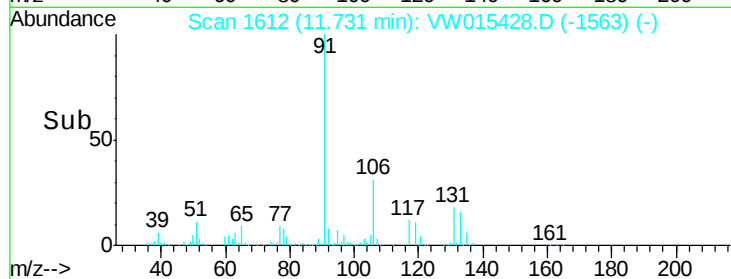
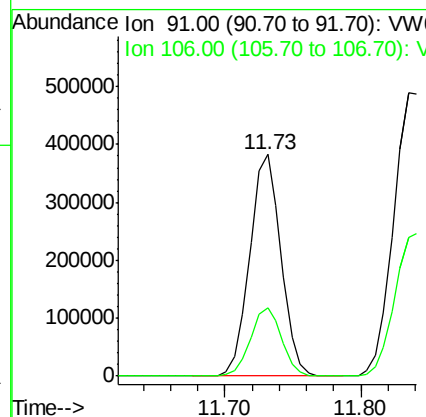
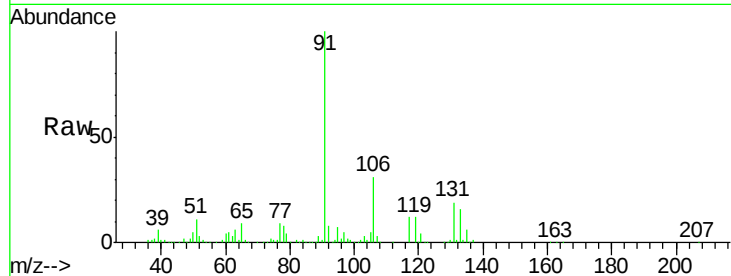




#67
Ethyl Benzene
Concen: 50.302 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

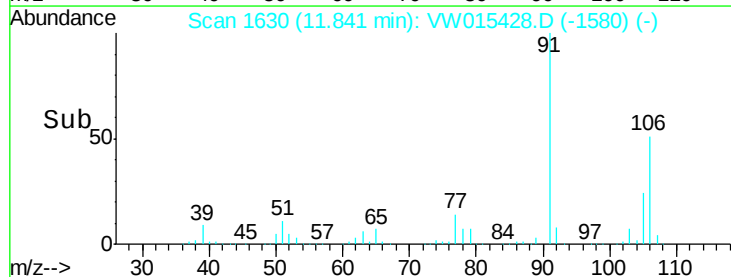
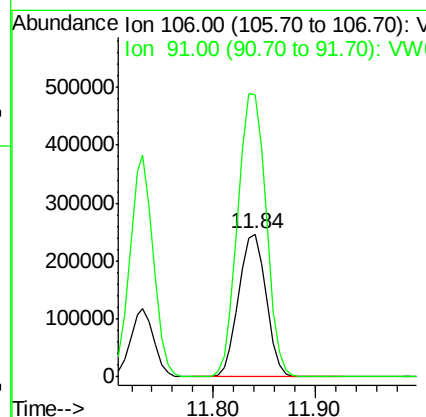
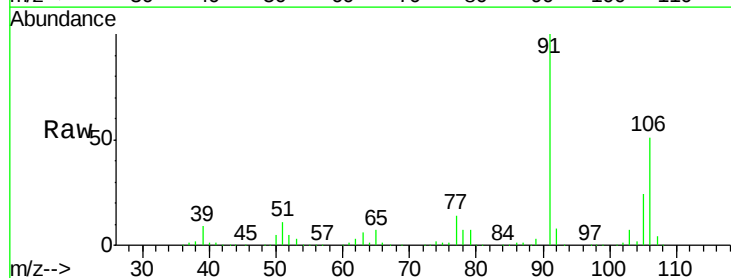
Instrument :
MSVOA_W
ClientSampled :

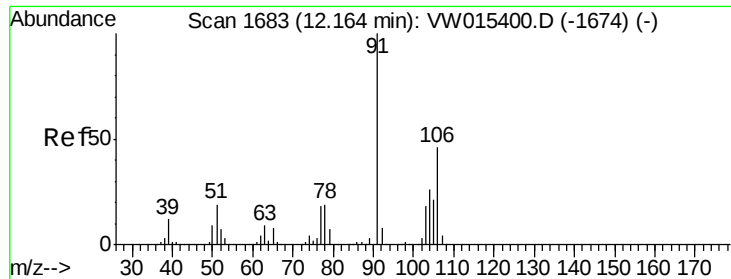
Tot Ion: 91 Resp: 613574
Ion Ratio Lower Upper
91 100
106 30.7 25.2 37.8



#68
m/p-Xylenes
Concen: 101.722 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

Tgt Ion: 106 Resp: 461316
Ion Ratio Lower Upper
106 100
91 204.5 165.7 248.5

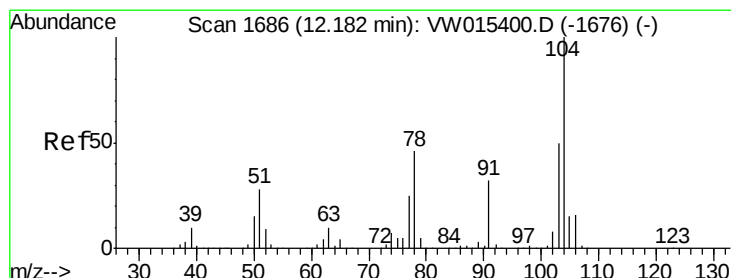
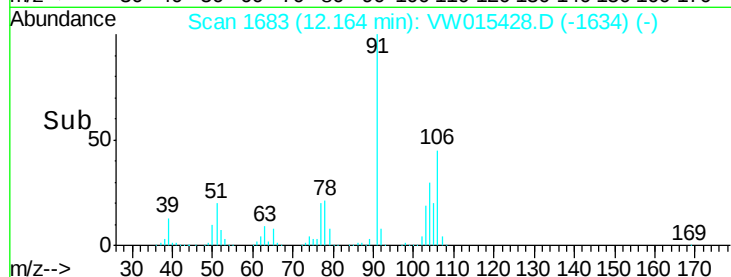
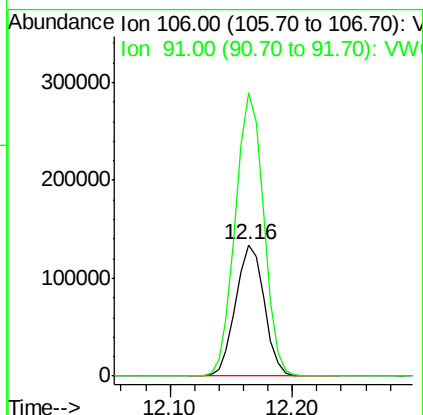
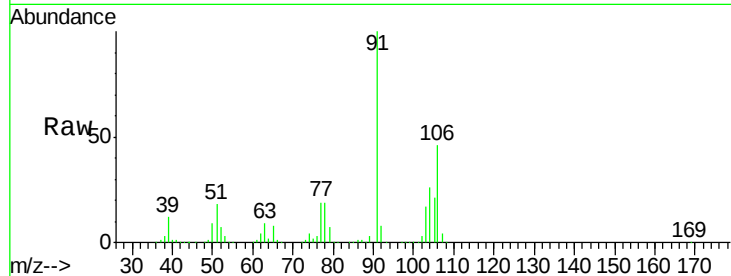




#69
o-Xylene
Concen: 50.736 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

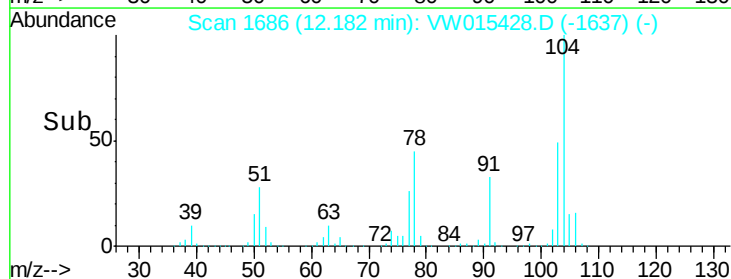
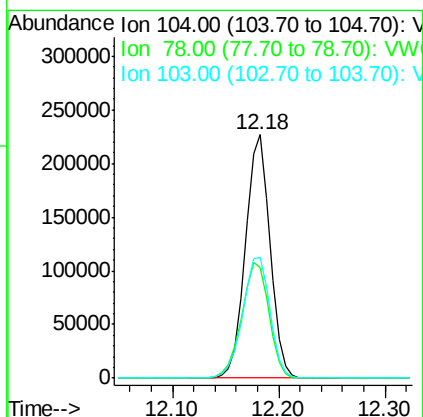
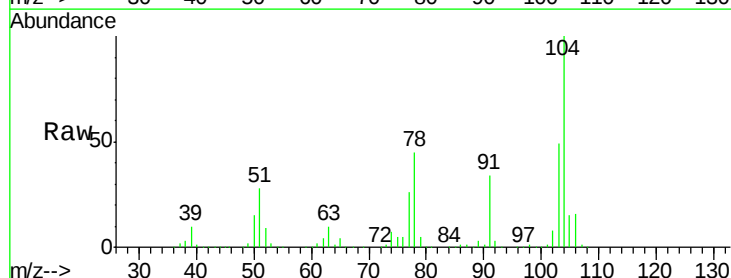
Instrument :
MSVOA_W
ClientSampleId :

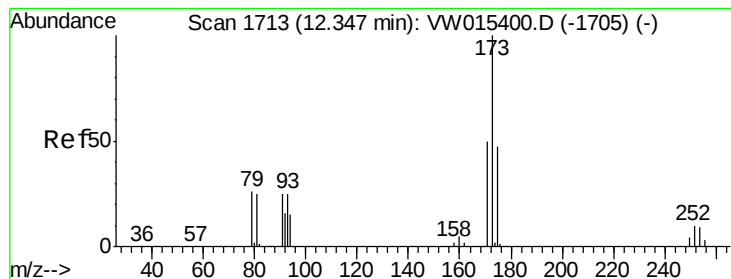
Tot Ion:106 Resp: 216217
Ion Ratio Lower Upper
106 100
91 214.9 109.0 327.0



#70
Styrene
Concen: 50.140 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

Tgt Ion:104 Resp: 368011
Ion Ratio Lower Upper
104 100
78 52.8 41.8 62.8
103 55.0 43.6 65.4





#71

Bromoform

Concen: 53.949 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

Instrument :

MSVOA_W

ClientSampled :

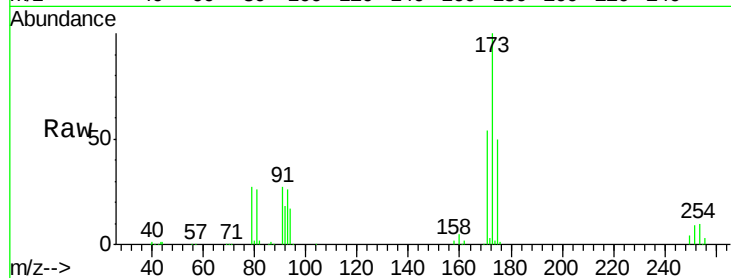
Tot Ion:173 Resp: 59447

Ion Ratio Lower Upper

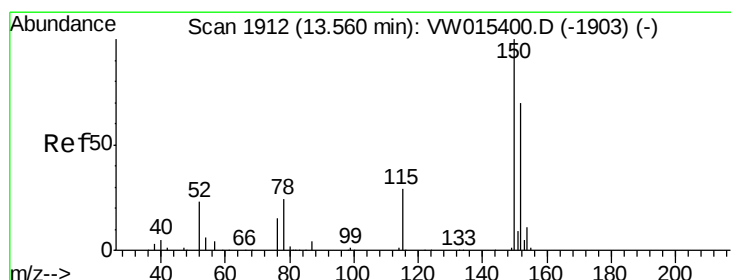
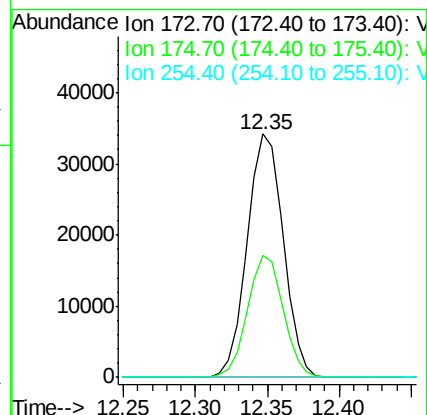
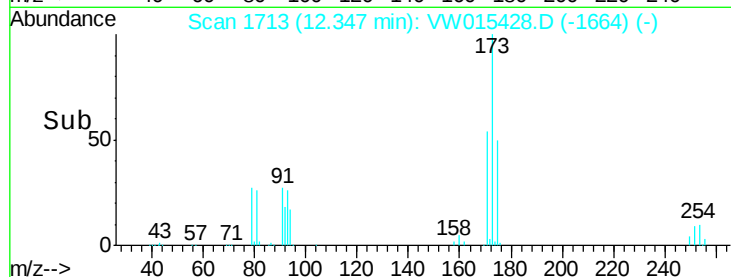
173 100

175 49.1 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: VW015428.D

Acq: 15 May 2020 12:34

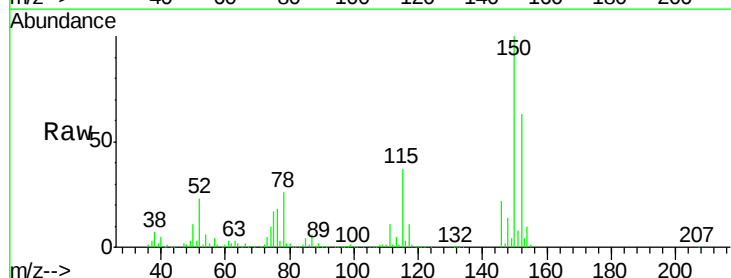
Tgt Ion:152 Resp: 159958

Ion Ratio Lower Upper

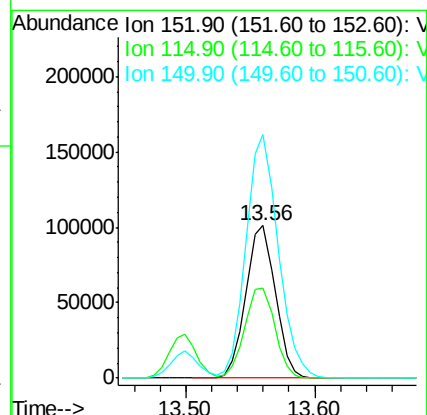
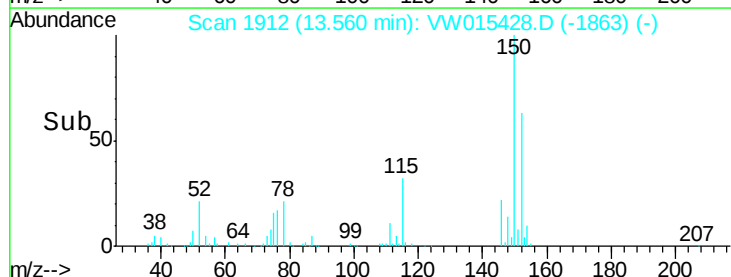
152 100

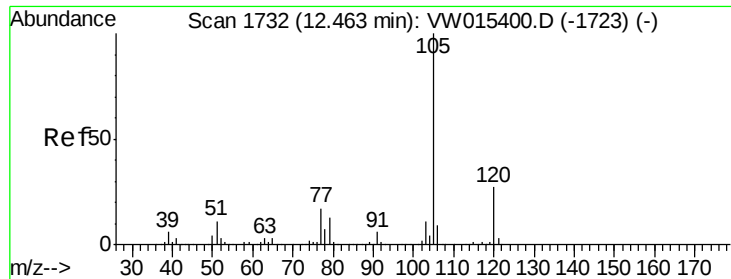
115 60.7 30.3 90.8

150 174.2 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: 50.601 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

Instrument :

MSVOA_W

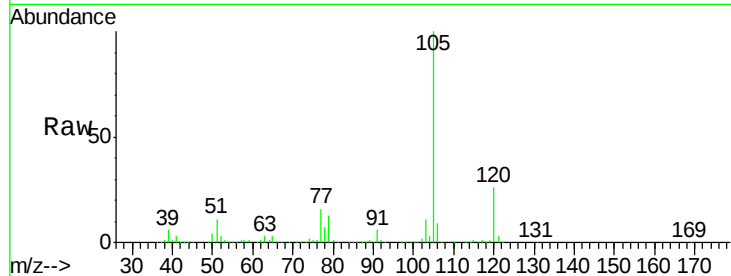
ClientSampleId :

Tot Ion:105 Resp: 604274

Ion Ratio Lower Upper

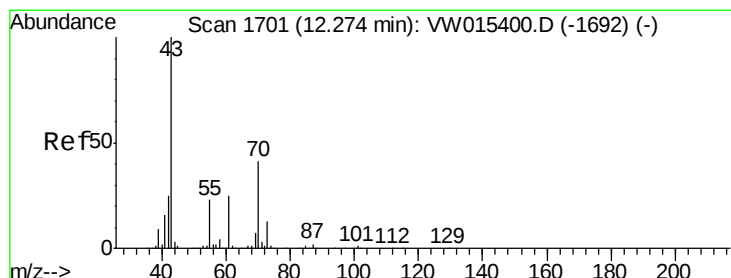
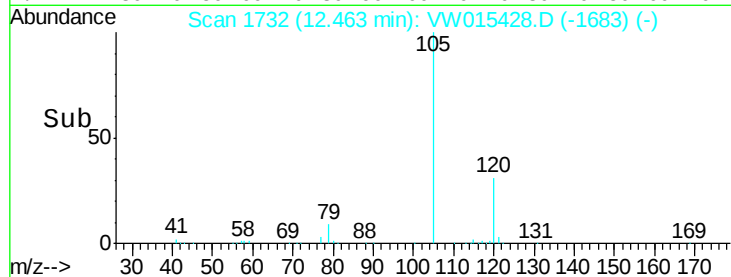
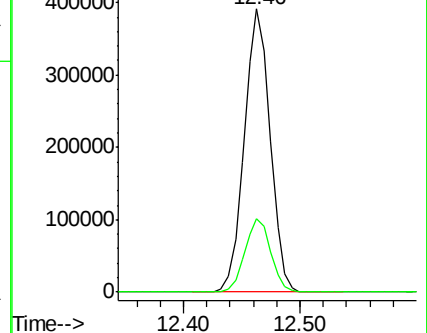
105 100

120 26.2 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.021 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

Tgt Ion: 43 Resp: 146848

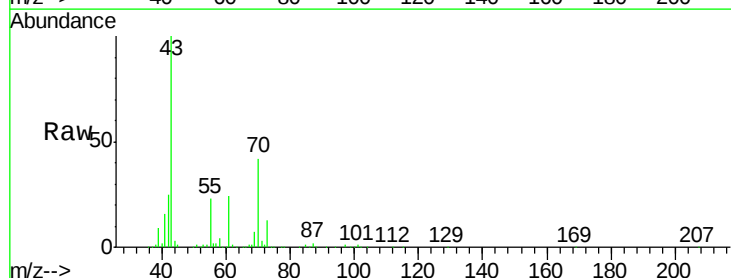
Ion Ratio Lower Upper

43 100

70 41.8 33.4 50.0

55 23.6 18.9 28.3

61 24.0 19.4 29.0

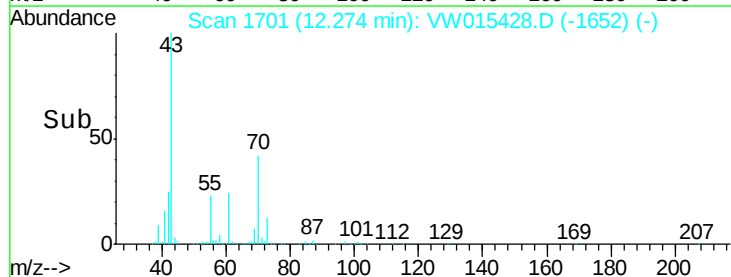
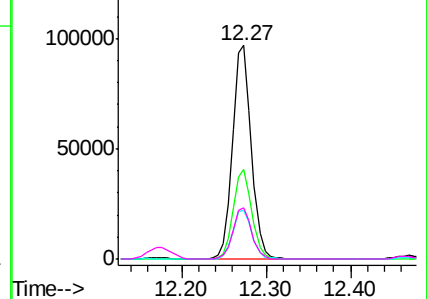


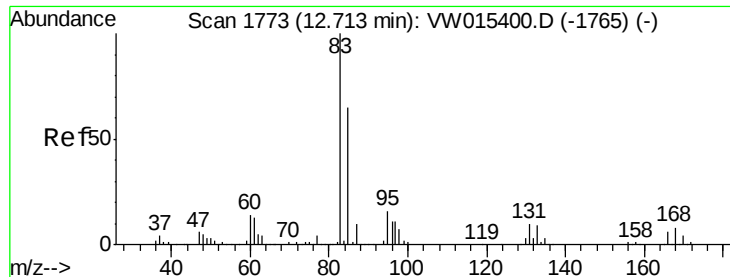
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 53.578 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

Instrument :

MSVOA_W

ClientSampled :

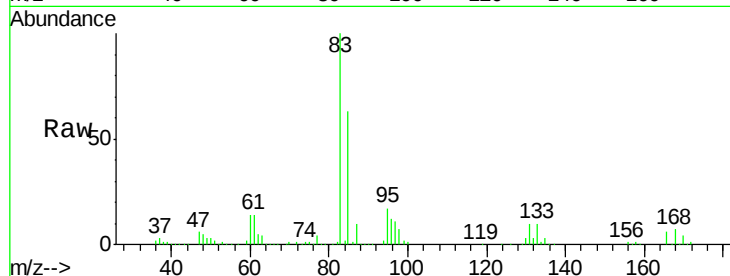
Tot Ion: 83 Resp: 100092

Ion Ratio Lower Upper

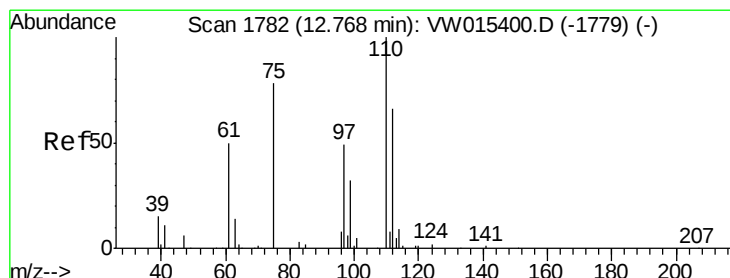
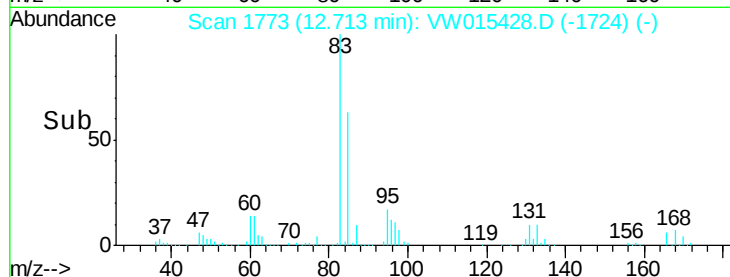
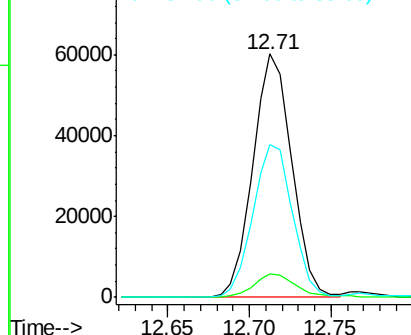
83 100

131 10.4 5.1 15.2

85 63.8 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: 103.749 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015428.D

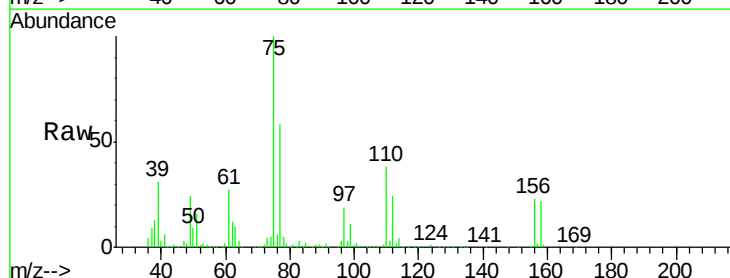
Acq: 15 May 2020 12:34

Tgt Ion: 75 Resp: 136522

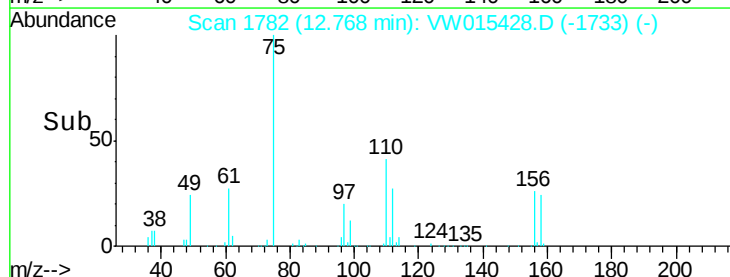
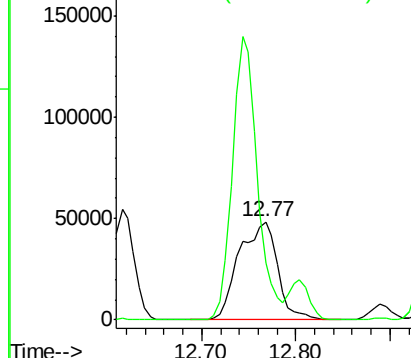
Ion Ratio Lower Upper

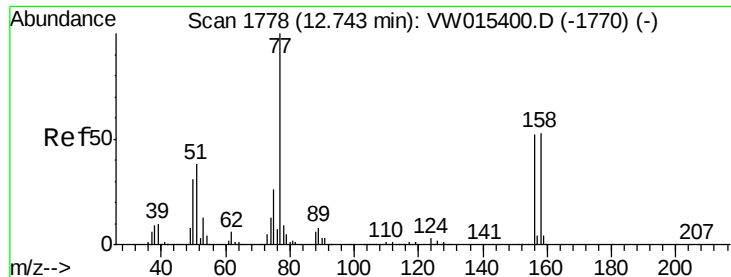
75 100

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: 51.801 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

Instrument :

MSVOA_W

ClientSampled :

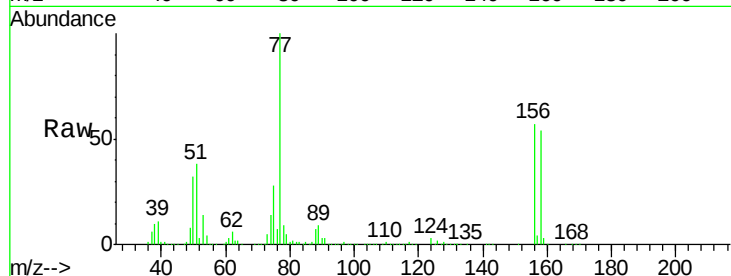
Tot Ion:156 Resp: 131094

Ion Ratio Lower Upper

156 100

77 196.1 101.8 305.6

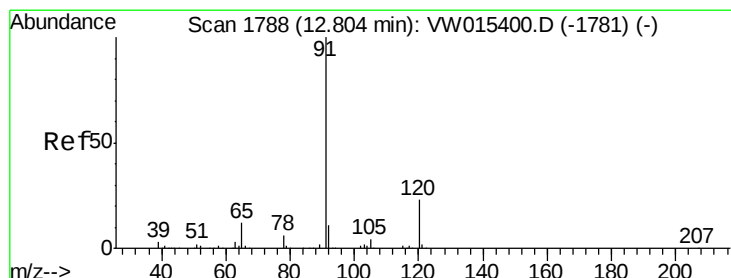
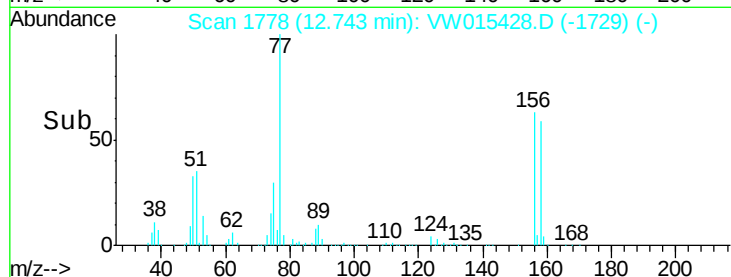
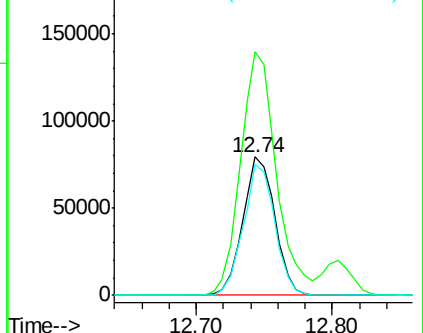
158 93.1 48.3 144.8



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: 50.623 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW015428.D

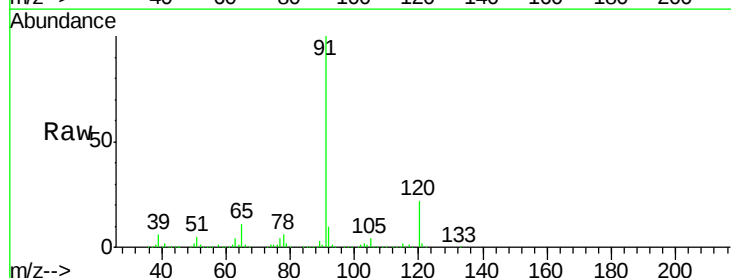
Acq: 15 May 2020 12:34

Tgt Ion: 91 Resp: 725300

Ion Ratio Lower Upper

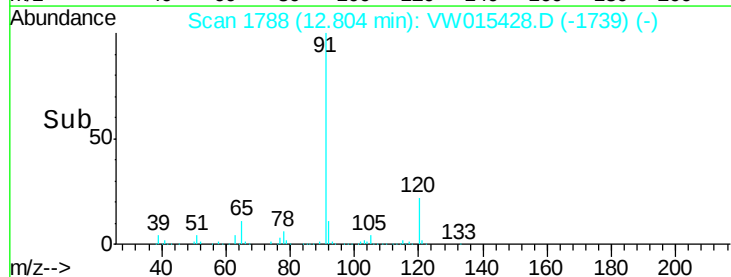
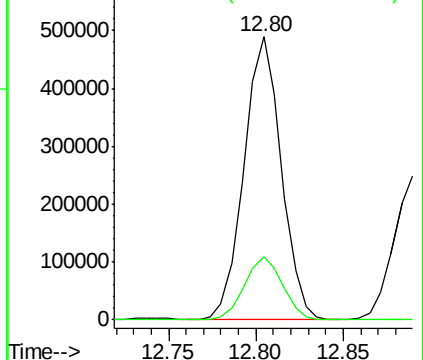
91 100

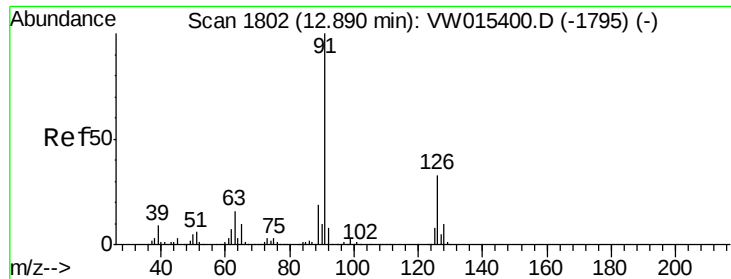
120 22.6 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.774 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

Instrument :

MSVOA_W

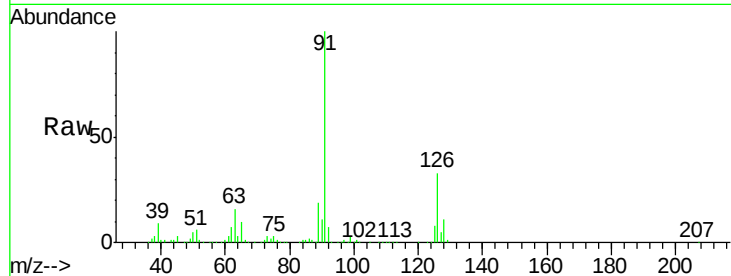
ClientSampled :

Tot Ion: 91 Resp: 410071

Ion Ratio Lower Upper

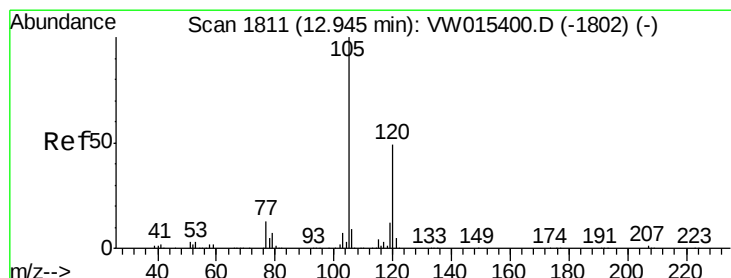
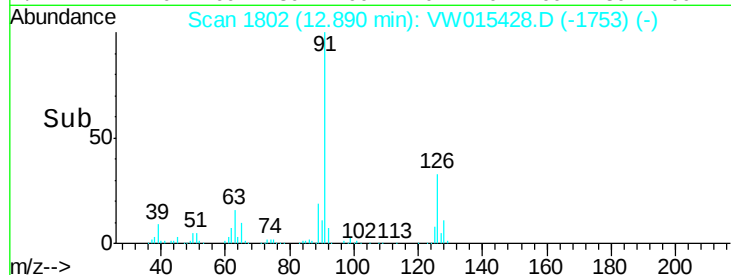
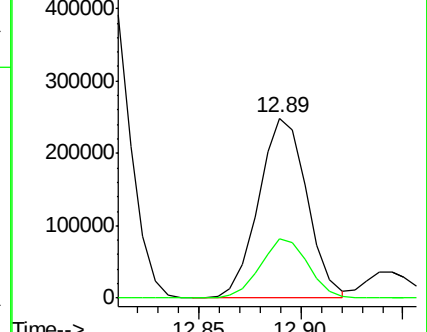
91 100

126 32.6 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.769 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW015428.D

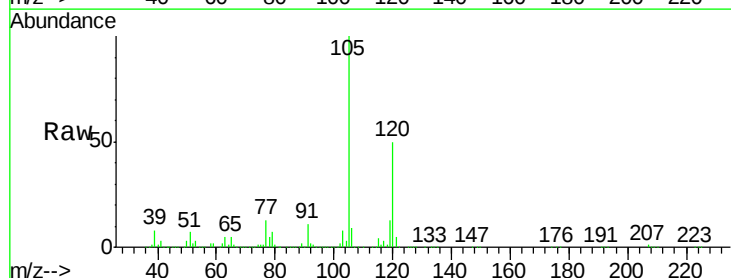
Acq: 15 May 2020 12:34

Tgt Ion:105 Resp: 510686

Ion Ratio Lower Upper

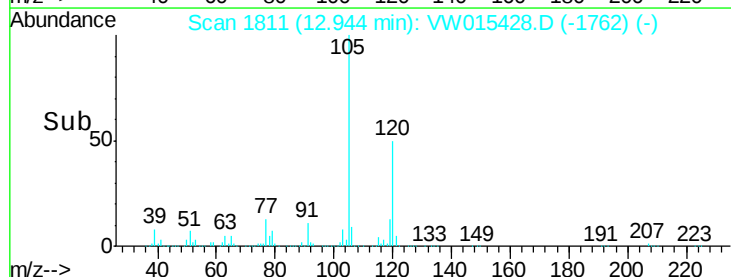
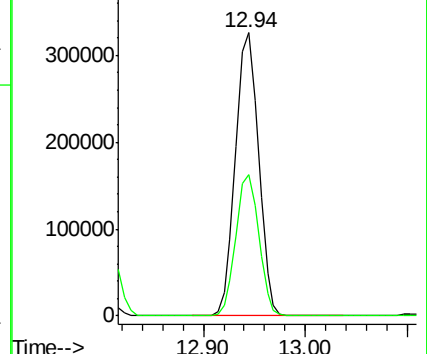
105 100

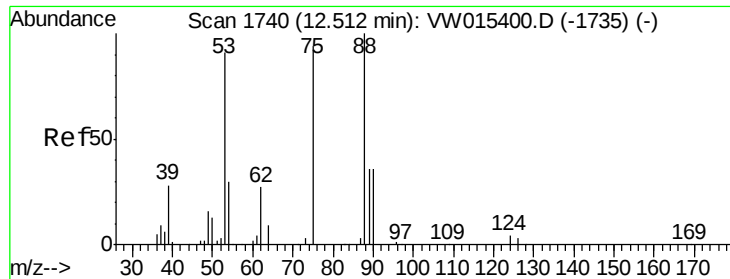
120 49.8 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.359 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

Instrument :

MSVOA_W

ClientSampled :

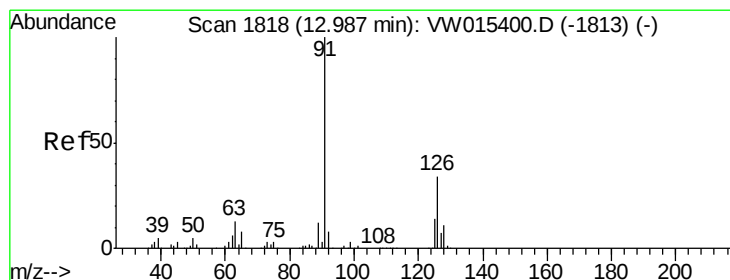
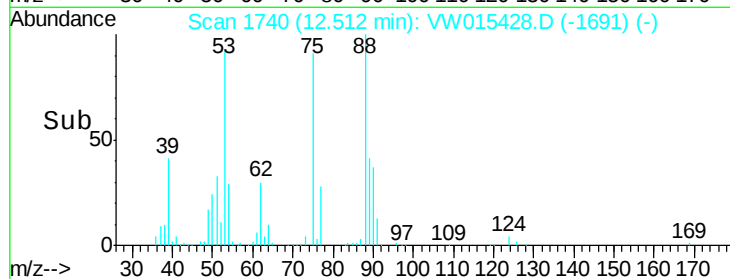
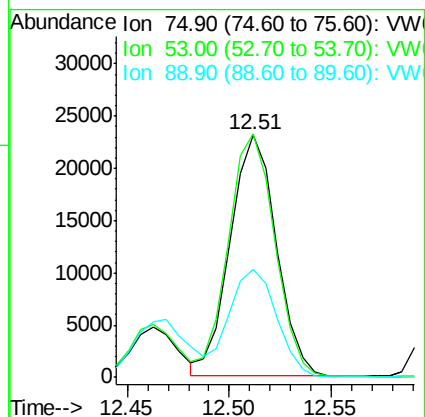
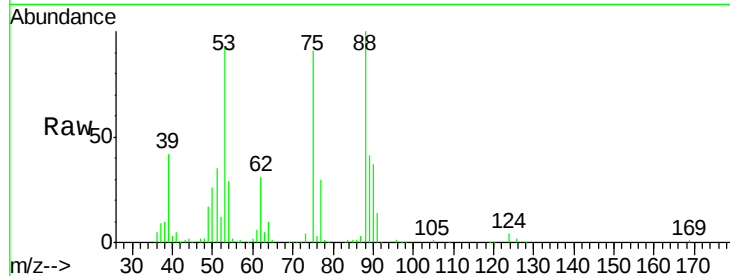
Tot Ion: 75 Resp: 36163

Ion Ratio Lower Upper

75 100

53 103.3 82.5 123.7

89 46.7 35.8 53.8



#82

4-Chlorotoluene

Concen: 50.919 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW015428.D

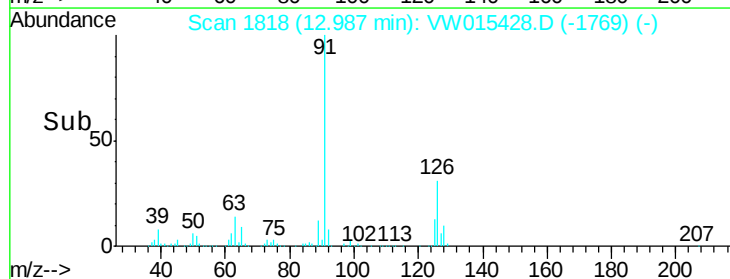
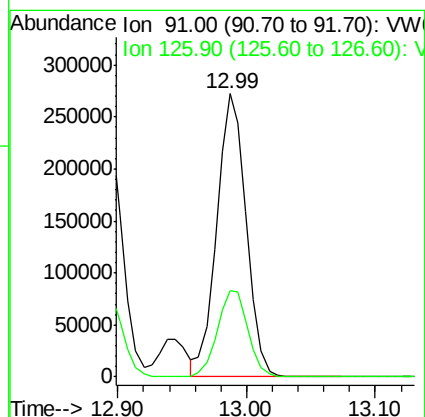
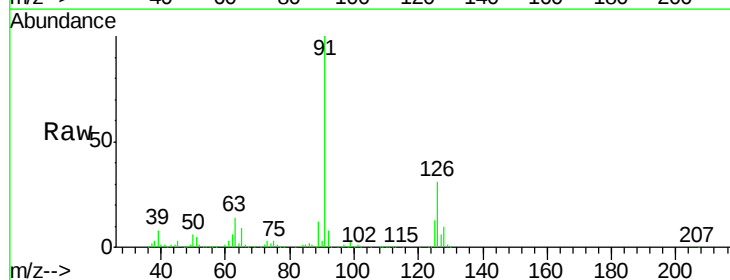
Acq: 15 May 2020 12:34

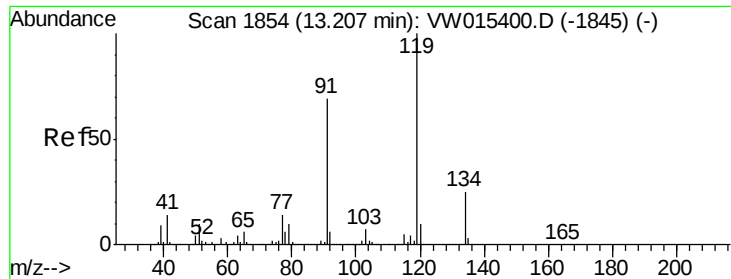
Tgt Ion: 91 Resp: 435828

Ion Ratio Lower Upper

91 100

126 31.8 16.0 47.9

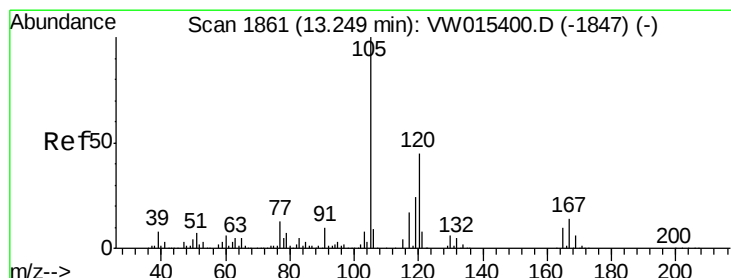
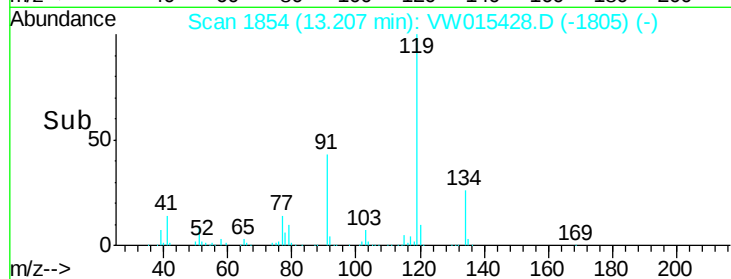
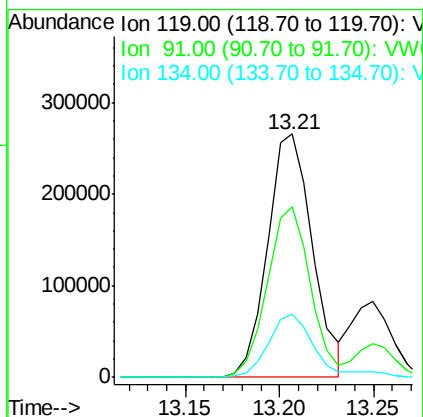
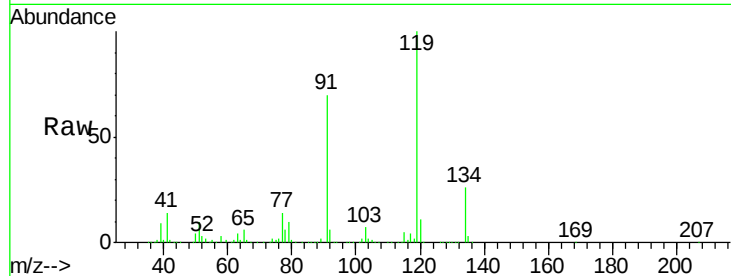




#83
tert-Butylbenzene
Concen: 51.264 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

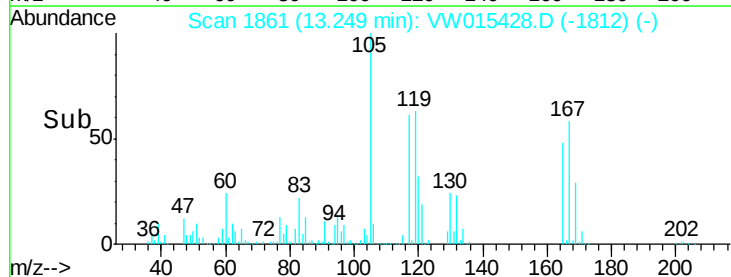
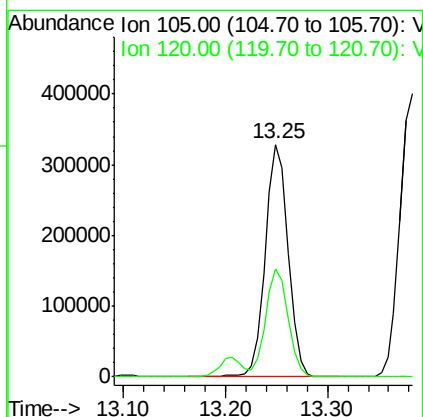
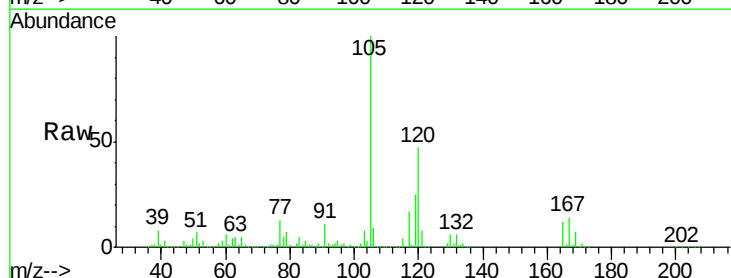
Instrument :
MSVOA_W
ClientSampleId :

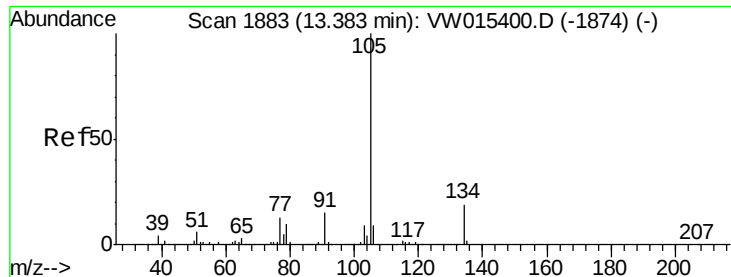
Tot Ion:119 Resp: 440000
Ion Ratio Lower Upper
119 100
91 67.0 33.8 101.4
134 26.8 12.3 36.9



#84
1,2,4-Trimethylbenzene
Concen: 50.714 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

Tgt Ion:105 Resp: 510336
Ion Ratio Lower Upper
105 100
120 45.3 22.0 66.0

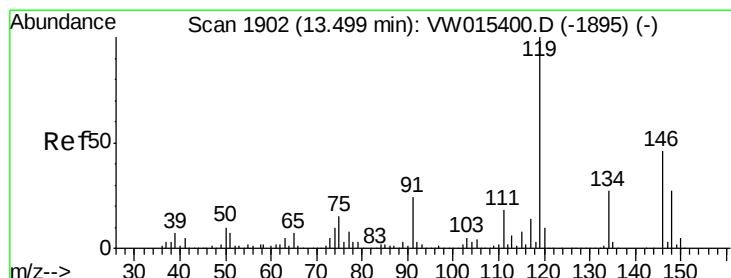
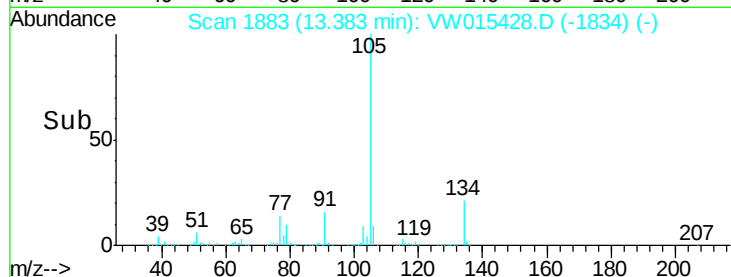
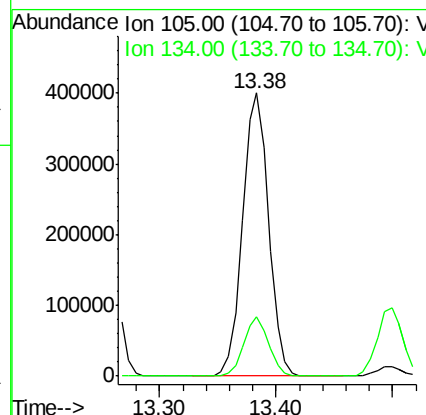
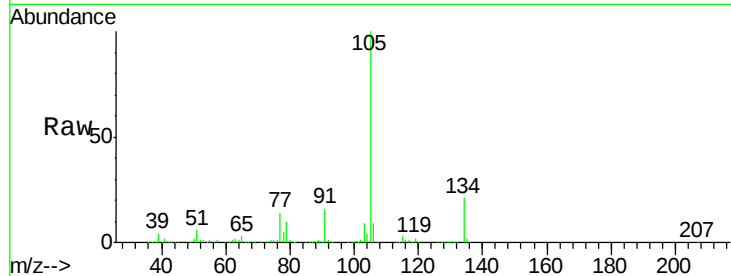




#85
 sec-Butylbenzene
 Concen: 51.475 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW015428.D
 Acq: 15 May 2020 12:34

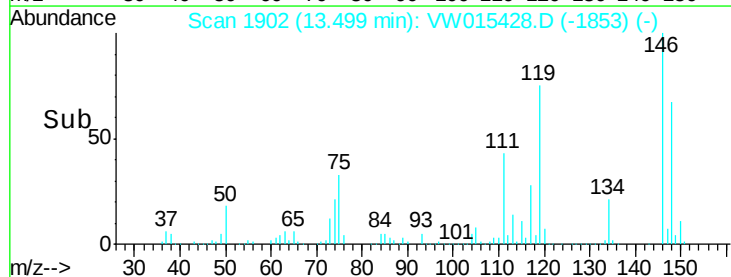
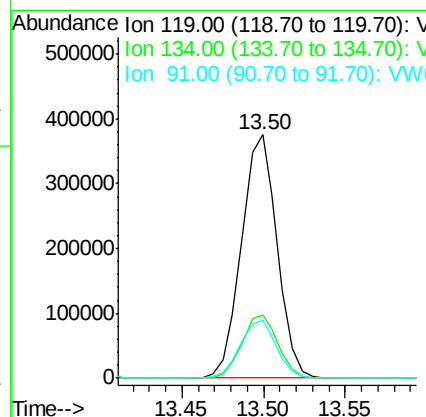
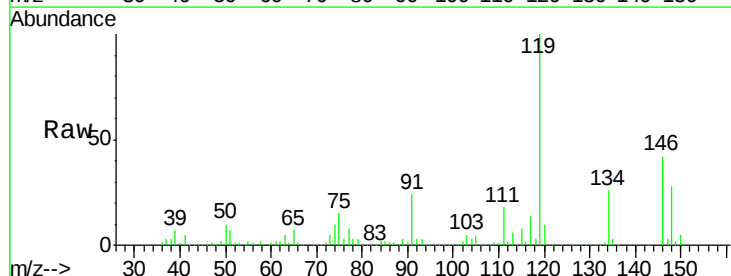
Instrument :
 MSVOA_W
 ClientSampleId :

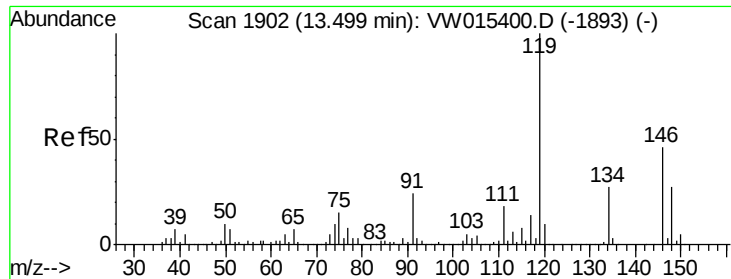
Tot Ion:105 Resp: 622510
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 51.509 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015428.D
 Acq: 15 May 2020 12:34

Tgt Ion:119 Resp: 568135
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.8 38.4
 91 24.1 12.1 36.3

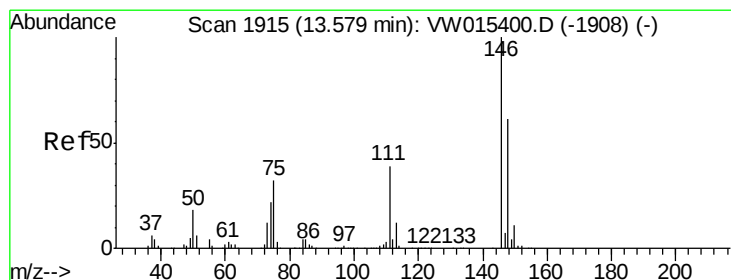
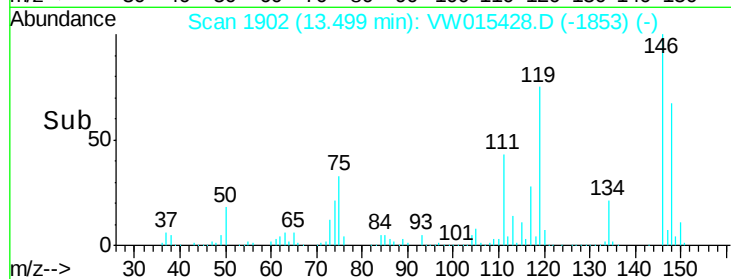
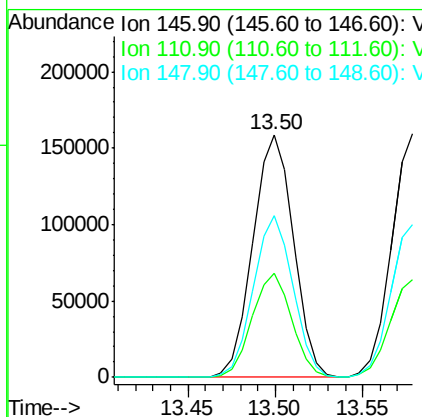
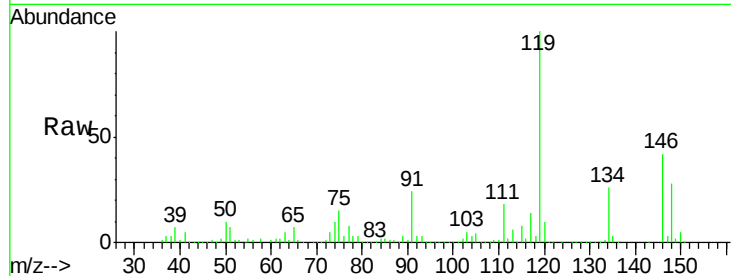




#87
 1,3-Dichlorobenzene
 Concen: 50.851 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015428.D
 Acq: 15 May 2020 12:34

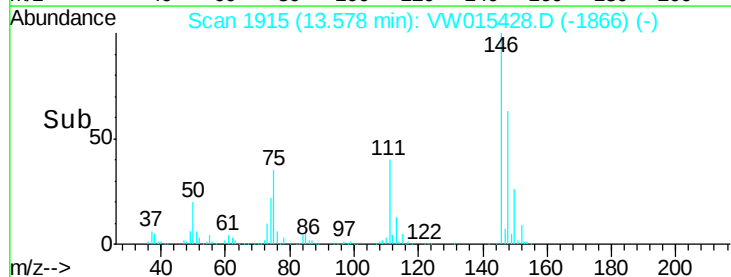
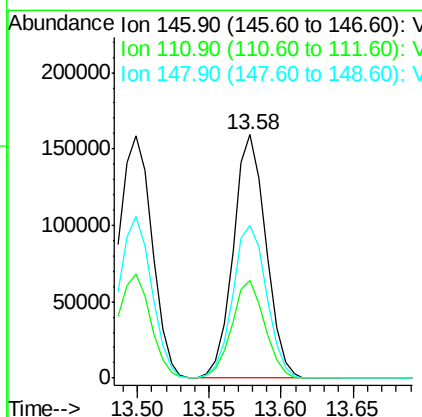
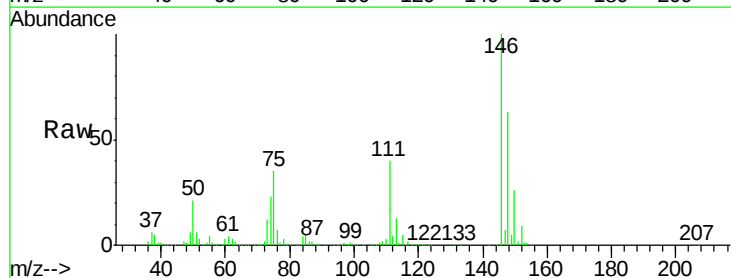
Instrument :
 MSVOA_W
 ClientSampleId :

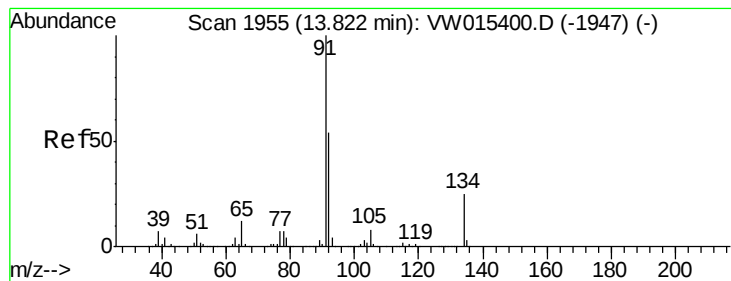
Tot Ion:146 Resp: 256342
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.5 61.5
 148 65.1 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 50.557 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015428.D
 Acq: 15 May 2020 12:34

Tgt Ion:146 Resp: 252408
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.0 60.0
 148 65.0 31.4 94.3





#89

n-Butylbenzene

Concen: 51.246 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW015428.D

Acq: 15 May 2020 12:34

Instrument :

MSVOA_W

ClientSampleId :

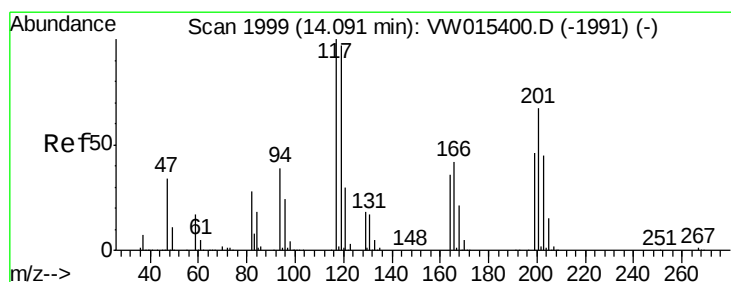
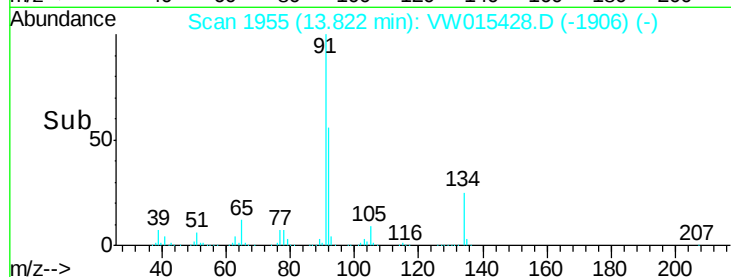
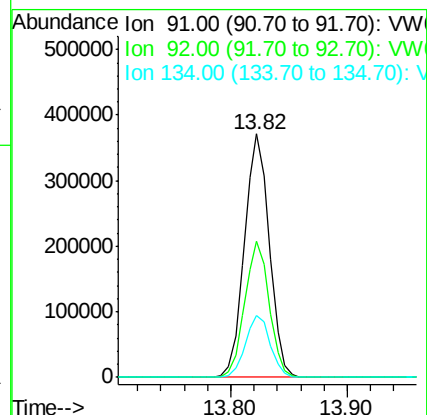
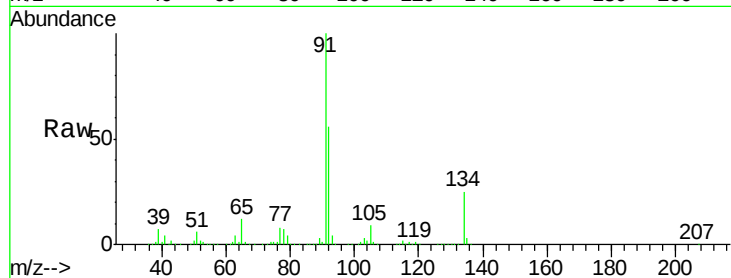
Tot Ion: 91 Resp: 553338

Ion Ratio Lower Upper

91 100

92 54.7 27.2 81.6

134 25.3 12.6 37.6



#90

Hexachloroethane

Concen: 50.983 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW015428.D

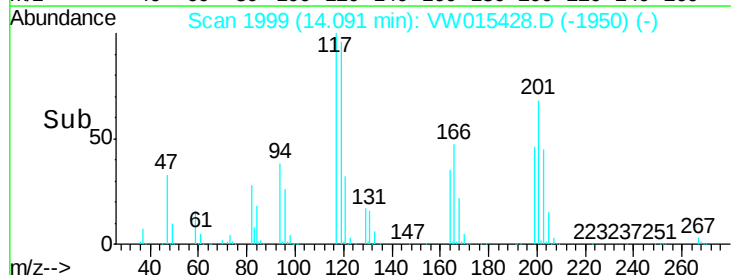
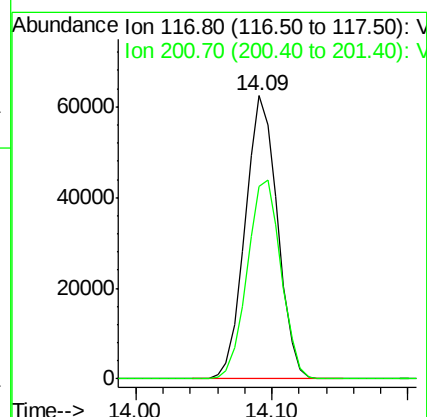
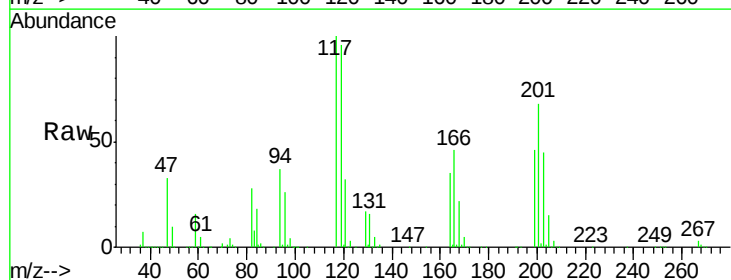
Acq: 15 May 2020 12:34

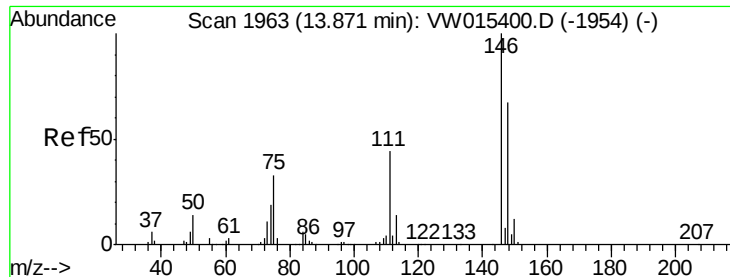
Tgt Ion: 117 Resp: 103625

Ion Ratio Lower Upper

117 100

201 73.6 35.9 107.8

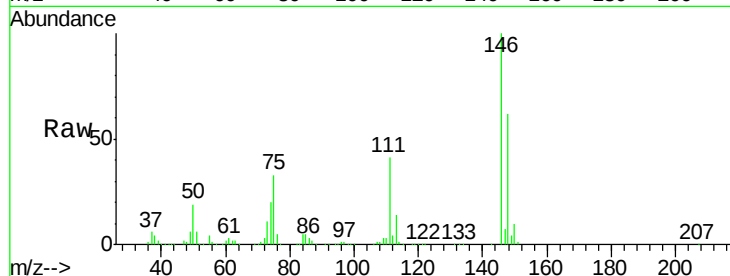




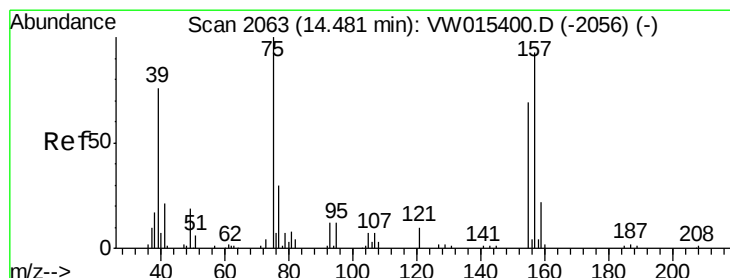
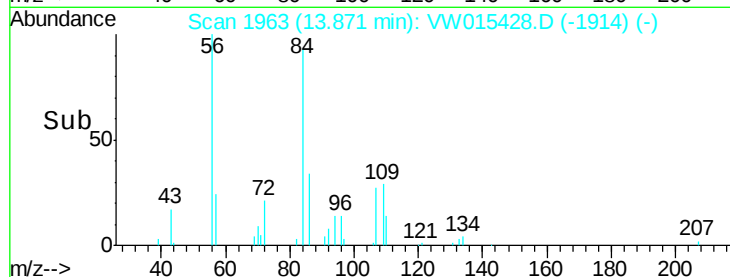
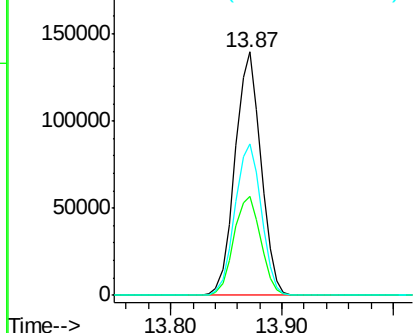
#91
 1,2-Dichlorobenzene
 Concen: 51.424 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015428.D
 Acq: 15 May 2020 12:34

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	22.1	66.3
148	63.6	32.5	97.4

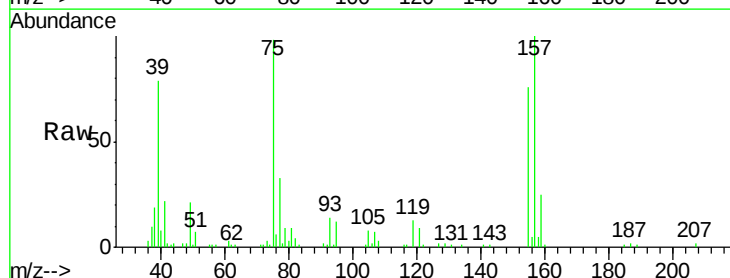


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

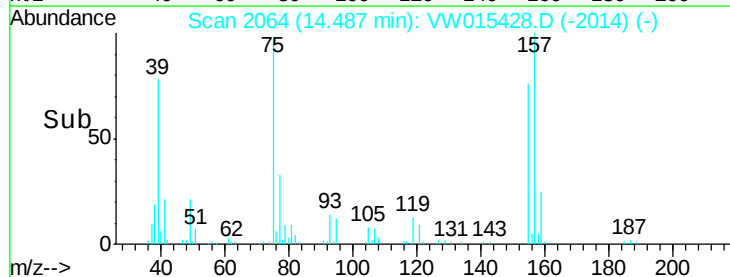
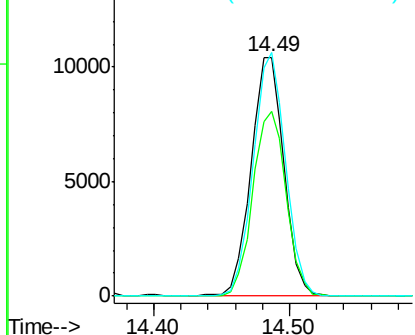


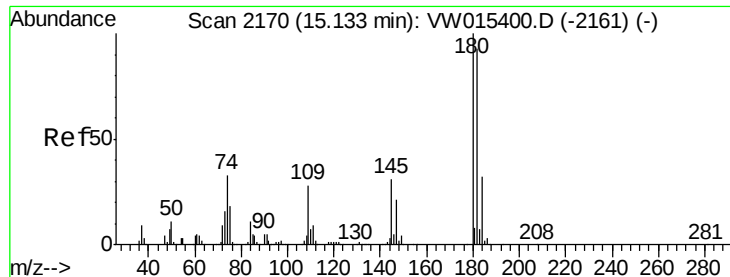
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.136 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW015428.D
 Acq: 15 May 2020 12:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.2	38.7	116.1
157	99.5	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

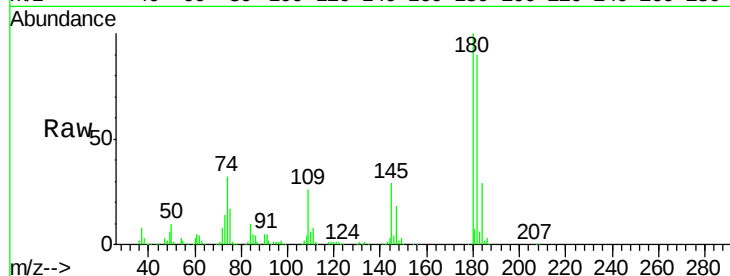




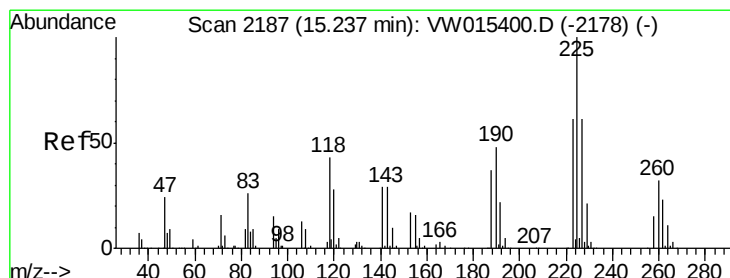
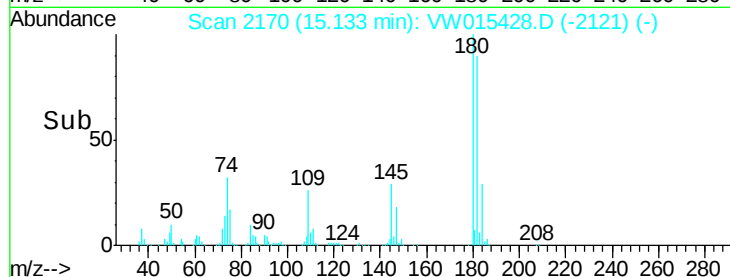
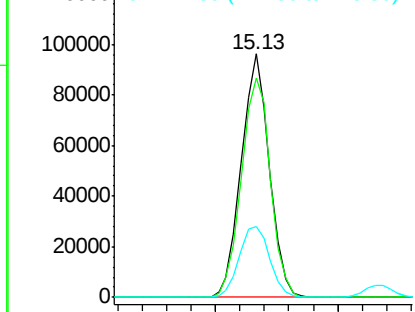
#93
 1,2,4-Trichlorobenzene
 Concen: 51.898 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015428.D
 Acq: 15 May 2020 12:34

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 152248
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.2 141.6
 145 31.5 15.6 46.8

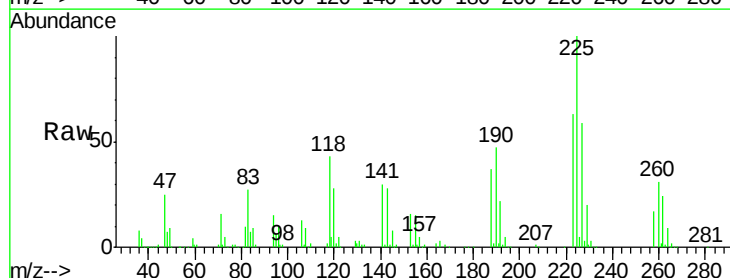


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

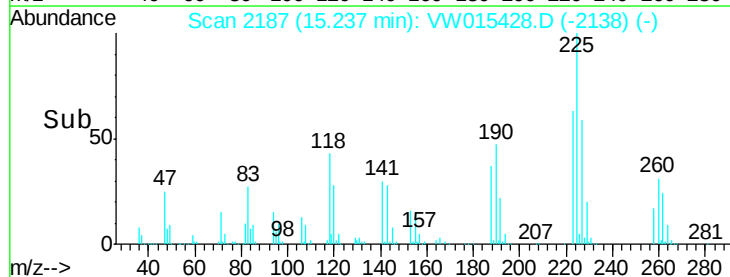
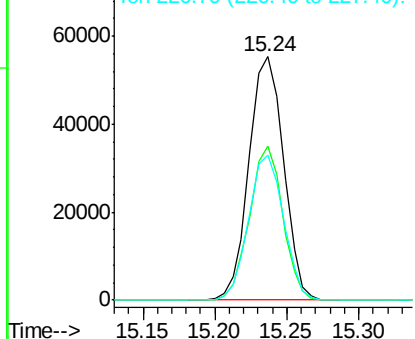


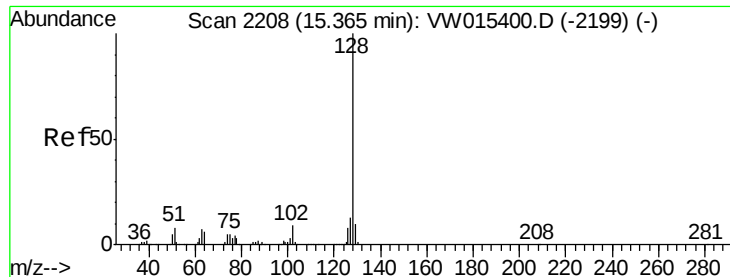
#94
 Hexachlorobutadiene
 Concen: 52.882 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW015428.D
 Acq: 15 May 2020 12:34

Tgt Ion:225 Resp: 91929
 Ion Ratio Lower Upper
 225 100
 223 61.1 30.7 92.1
 227 60.1 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

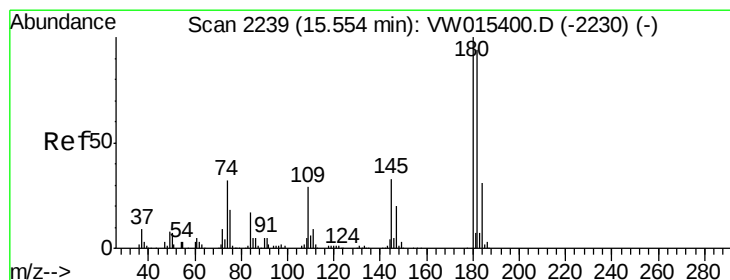
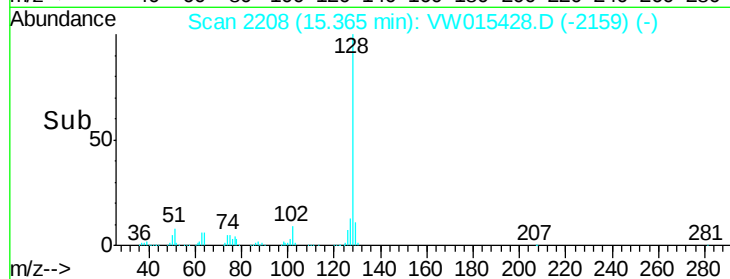
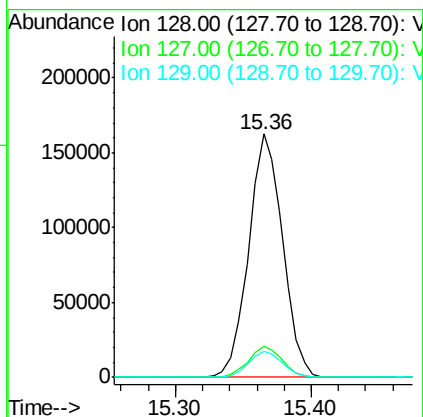
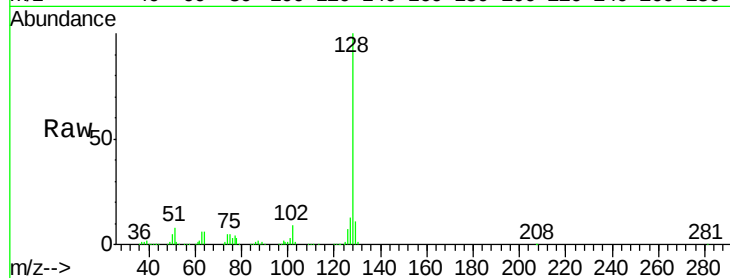




#95
Naphthalene
Concen: 54.111 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 284342
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 51.071 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW015428.D
Acq: 15 May 2020 12:34

Tgt Ion:180 Resp: 128730
Ion Ratio Lower Upper
180 100
182 95.8 47.6 142.8
145 32.7 16.3 48.8

