

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015408.D
 Acq On : 06 May 2020 11:59
 Operator : SY/VA
 Sample : VW0506SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 07 03:10:11 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	229631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	382092	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	343080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	169930	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	127493	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
35) Dibromofluoromethane	7.88	113	109526	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	10.32	98	455506	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.62	95	168681	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	26222	19.751	ug/l	97
3) Chloromethane	2.21	50	30440	18.315	ug/l	98
4) Vinyl Chloride	2.37	62	50196	19.942	ug/l	96
5) Bromomethane	2.78	94	37560	19.047	ug/l	94
6) Chloroethane	2.92	64	33626	19.386	ug/l	99
7) Trichlorofluoromethane	3.26	101	35150	19.039	ug/l	99
8) Diethyl Ether	3.67	74	22949	19.891	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43745	20.439	ug/l	100
10) Methyl Iodide	4.26	142	65821	20.324	ug/l	100
11) Tert butyl alcohol	5.17	59	17419	119.668	ug/l	99
12) 1,1-Dichloroethene	4.03	96	44130	19.883	ug/l	98
13) Acrolein	3.89	56	19450	104.636	ug/l	97
14) Allyl chloride	4.67	41	78577	20.206	ug/l	100
15) Acrylonitrile	5.37	53	49381	105.166	ug/l	100
16) Acetone	4.12	43	41707	106.358	ug/l	100
17) Carbon Disulfide	4.38	76	138011	20.280	ug/l	100
18) Methyl Acetate	4.67	43	21617	20.766	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	75621	21.206	ug/l	99
20) Methylene Chloride	4.91	84	48654	19.016	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	50738	20.139	ug/l	99
22) Diisopropyl ether	6.31	45	154174	20.288	ug/l	98
23) Vinyl Acetate	6.26	43	465559	100.783	ug/l	99
24) 1,1-Dichloroethane	6.21	63	91630	20.113	ug/l	99
25) 2-Butanone	7.17	43	64518	105.556	ug/l	98
26) 2,2-Dichloropropane	7.16	77	61137	20.248	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	55947	20.450	ug/l	99
28) Bromochloromethane	7.51	49	38034	20.763	ug/l	99
29) Tetrahydrofuran	7.53	42	41947	104.281	ug/l	100
30) Chloroform	7.68	83	90658	20.029	ug/l	99
31) Cyclohexane	7.95	56	92023	19.894	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	77825	20.457	ug/l	99
36) 1,1-Dichloropropene	8.08	75	75873	20.211	ug/l	100
37) Ethyl Acetate	7.25	43	30514	20.949	ug/l	99
38) Carbon Tetrachloride	8.07	117	71632	20.411	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:41:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	97281	20.472	ug/l	99
40) Benzene	8.32	78	206574	20.176	ug/l	99
41) Methacrylonitrile	7.48	41	18871	20.504	ug/l	97
42) 1,2-Dichloroethane	8.40	62	63457	20.349	ug/l	100
43) Isopropyl Acetate	8.43	43	61566	20.097	ug/l	100
44) Trichloroethene	9.09	130	53064	19.997	ug/l	99
45) 1,2-Dichloropropane	9.37	63	51834	20.494	ug/l	100
46) Dibromomethane	9.46	93	25130	19.977	ug/l	97
47) Bromodichloromethane	9.65	83	69657	20.318	ug/l	95
48) Methyl methacrylate	9.44	41	28751	20.318	ug/l	100
49) 1,4-Dioxane	9.45	88	6798	429.413	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	147556	102.779	ug/l	100
52) Toluene	10.39	92	133369	20.045	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	71099	20.318	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	82534	20.031	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35154	19.762	ug/l	96
56) Ethyl methacrylate	10.65	69	48478	19.835	ug/l	97
57) 1,3-Dichloropropane	10.93	76	64275	20.096	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	118704	99.829	ug/l	99
59) 2-Hexanone	10.97	43	100130	103.077	ug/l	99
60) Dibromochloromethane	11.13	129	42849	20.028	ug/l	98
61) 1,2-Dibromoethane	11.23	107	34190	20.299	ug/l	99
64) Tetrachloroethene	10.86	164	42720	20.372	ug/l	95
65) Chlorobenzene	11.66	112	136922	20.242	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	47189	19.676	ug/l	100
67) Ethyl Benzene	11.73	91	262635	20.285	ug/l	99
68) m/p-Xylenes	11.84	106	194882	40.484	ug/l	99
69) o-Xylene	12.16	106	91671	20.265	ug/l	98
70) Styrene	12.18	104	157752	20.249	ug/l	99
71) Bromoform	12.35	173	23716	20.277	ug/l #	97
73) Isopropylbenzene	12.46	105	257218	20.275	ug/l	99
74) N-amyl acetate	12.27	43	61184	20.403	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	40636	20.476	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	55630	39.795	ug/l #	100
77) Bromobenzene	12.75	156	53611	19.941	ug/l	99
78) n-propylbenzene	12.80	91	307296	20.189	ug/l	100
79) 2-Chlorotoluene	12.89	91	174947	20.390	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	220882	20.670	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14470	20.475	ug/l	98
82) 4-Chlorotoluene	12.99	91	185018	20.348	ug/l	100
83) tert-Butylbenzene	13.21	119	187537	20.567	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	220334	20.611	ug/l	100
85) sec-Butylbenzene	13.38	105	269116	20.947	ug/l	100
86) p-Isopropyltoluene	13.49	119	241493	20.610	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	109055	20.364	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	108433	20.445	ug/l	99
89) n-Butylbenzene	13.82	91	236096	20.582	ug/l	100
90) Hexachloroethane	14.09	117	44120	20.433	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	95819	20.664	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7071	20.409	ug/l	99

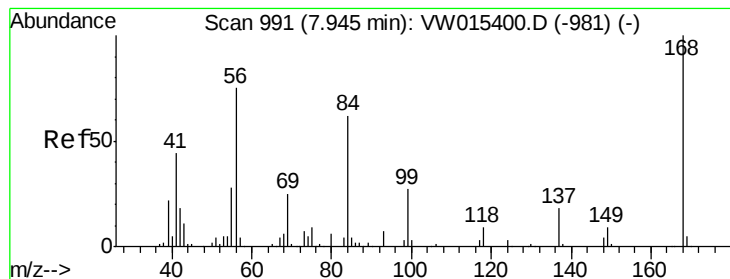
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Quant Title : SW846 8260
QLast Update : Tue May 05 18:41:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62887	20.179	ug/l	99
94) Hexachlorobutadiene	15.24	225	37644	20.384	ug/l	96
95) Naphthalene	15.36	128	110306	19.760	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	51639	19.284	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :

MSVOA_W

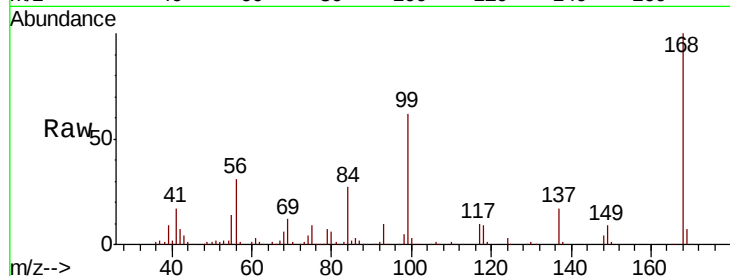
ClientSampled :

Tot Ion:168 Resp: 229631

Ion Ratio Lower Upper

168 100

99 61.6 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

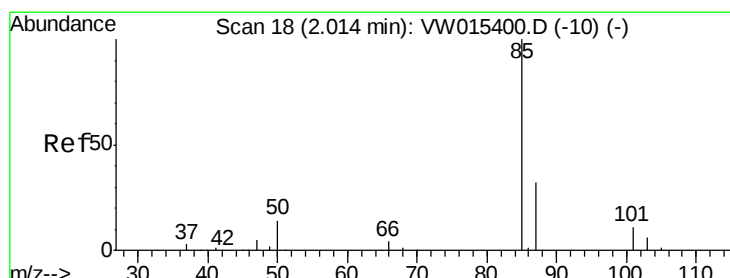
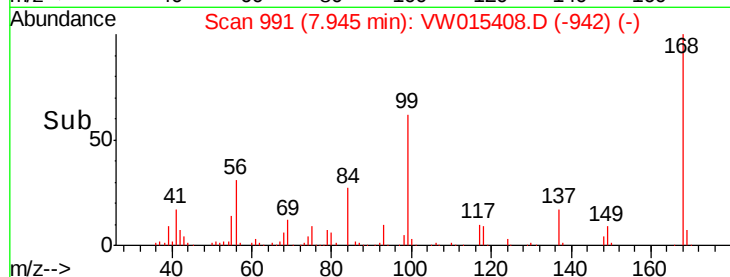
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.751 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015408.D

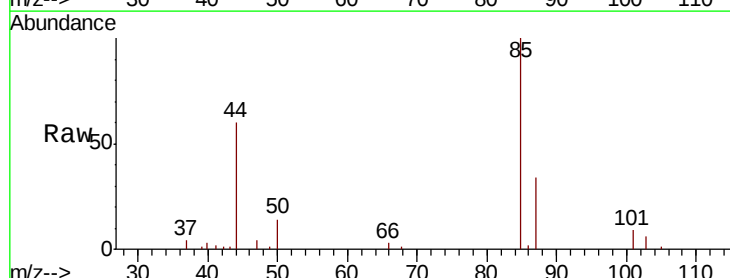
Acq: 06 May 2020 11:59

Tgt Ion: 85 Resp: 26222

Ion Ratio Lower Upper

85 100

87 33.9 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

8000

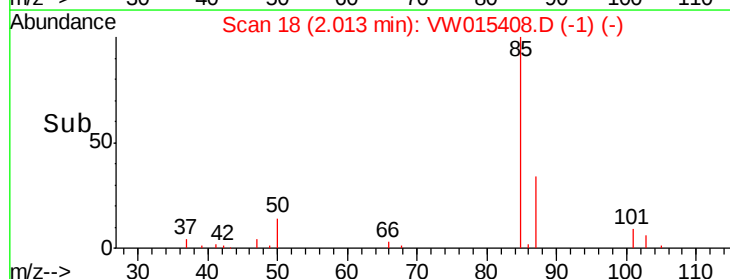
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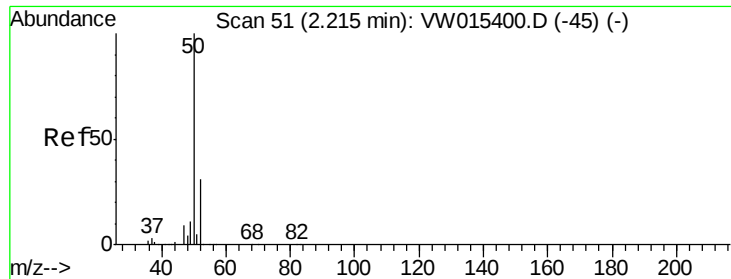
4000

2000

0

Time-->





#3

Chloromethane

Concen: 18.315 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :

MSVOA_W

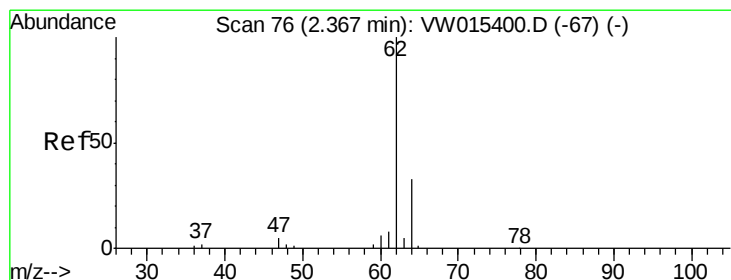
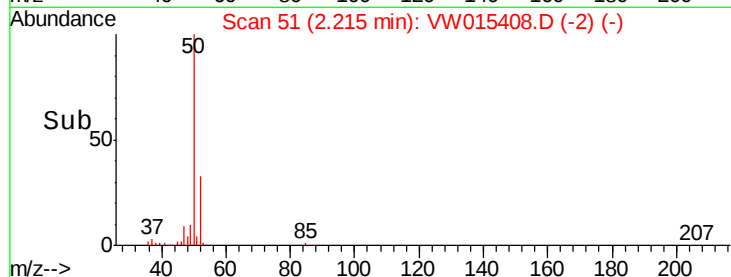
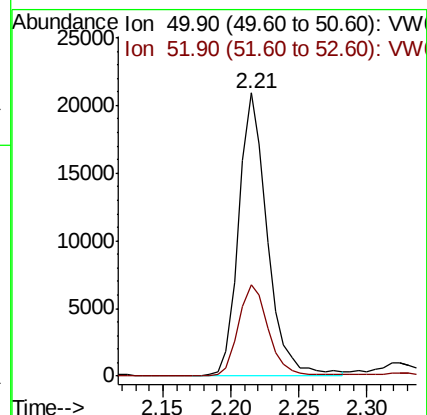
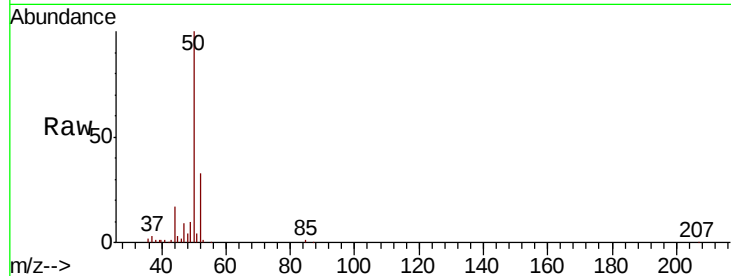
ClientSampleId :

Tot Ion: 50 Resp: 30440

Ion Ratio Lower Upper

50 100

52 32.6 25.0 37.6



#4

Vinyl Chloride

Concen: 19.942 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015408.D

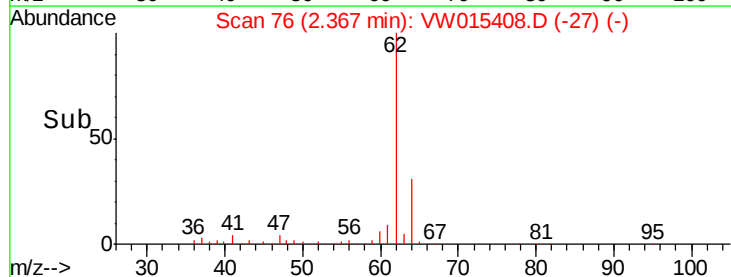
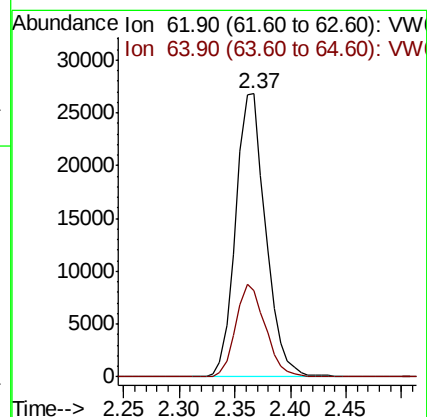
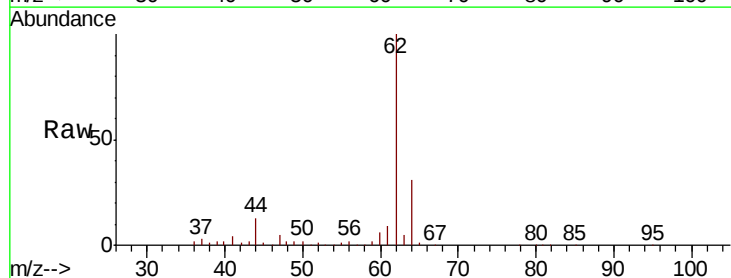
Acq: 06 May 2020 11:59

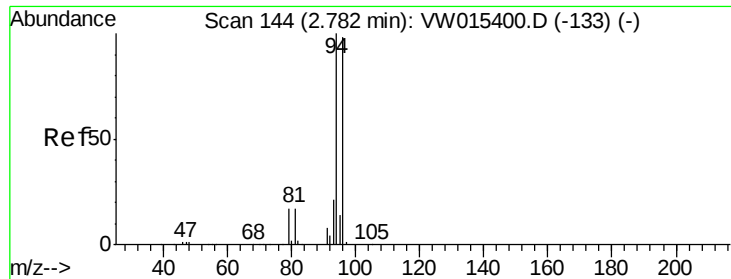
Tgt Ion: 62 Resp: 50196

Ion Ratio Lower Upper

62 100

64 30.7 26.4 39.6





#5

Bromomethane

Concen: 19.047 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :

MSVOA_W

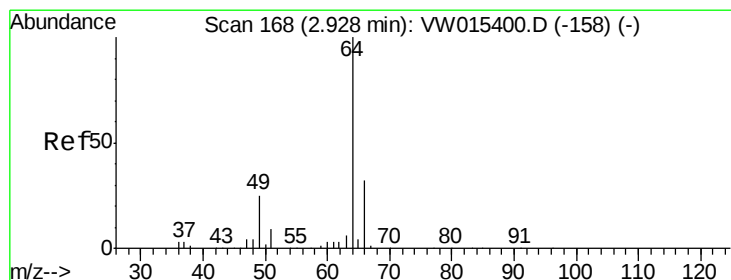
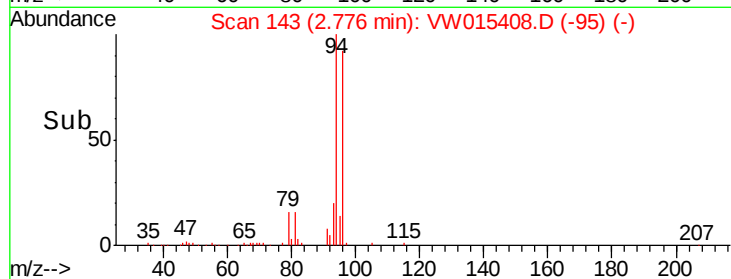
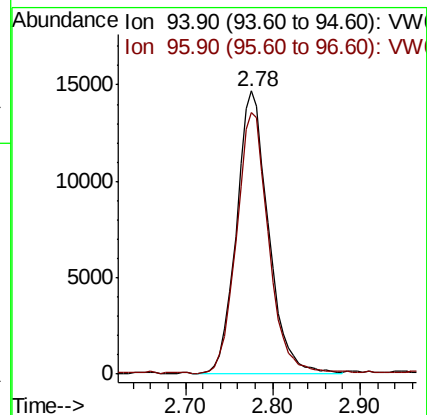
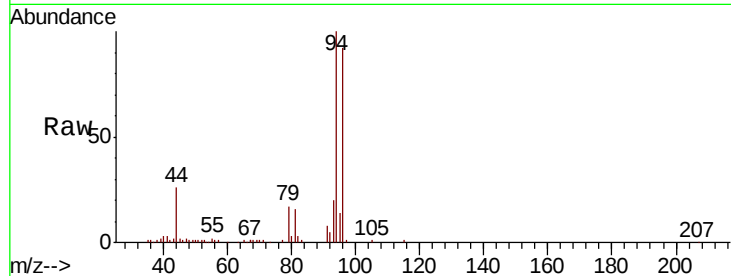
ClientSampleId :

Tot Ion: 94 Resp: 37560

Ion Ratio Lower Upper

94 100

96 92.3 78.8 118.2



#6

Chloroethane

Concen: 19.386 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015408.D

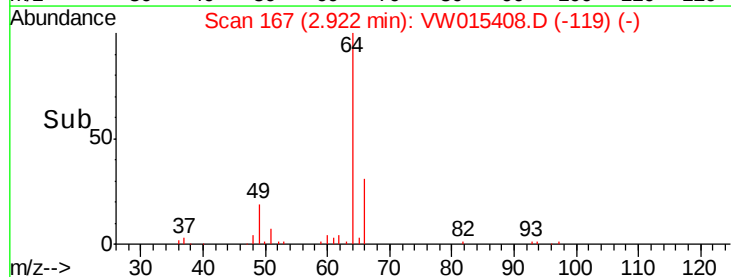
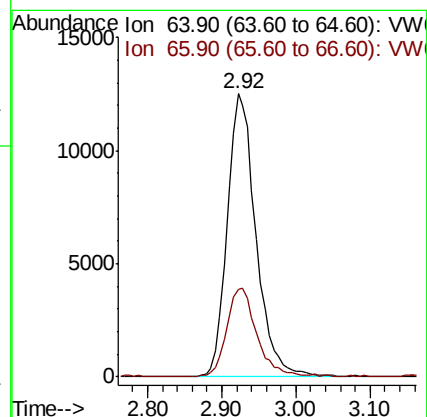
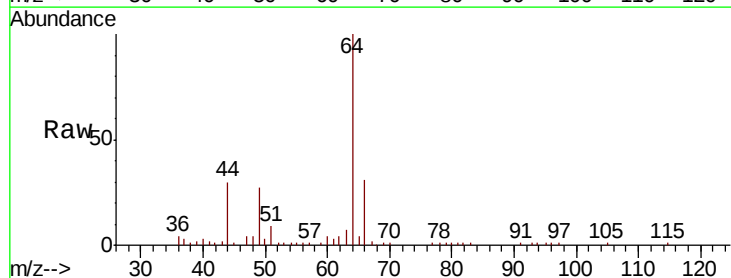
Acq: 06 May 2020 11:59

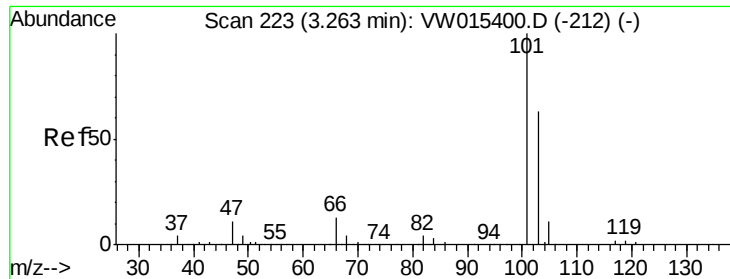
Tgt Ion: 64 Resp: 33626

Ion Ratio Lower Upper

64 100

66 31.1 25.4 38.0



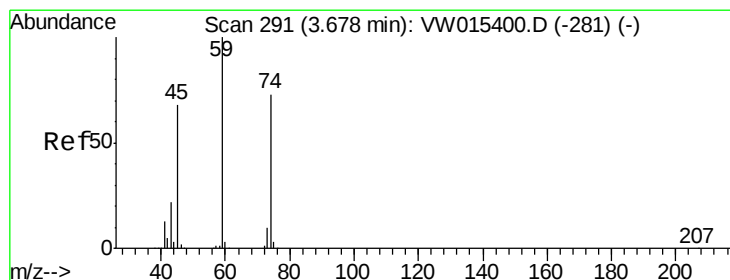
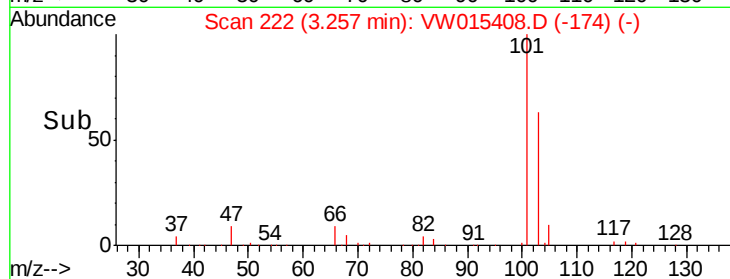
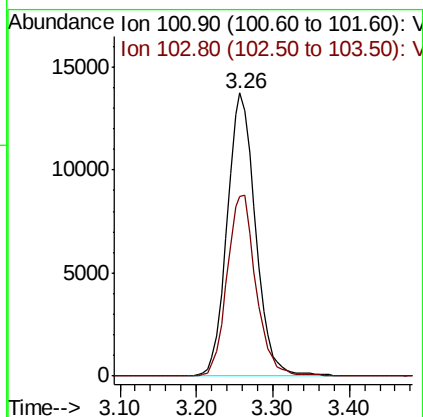
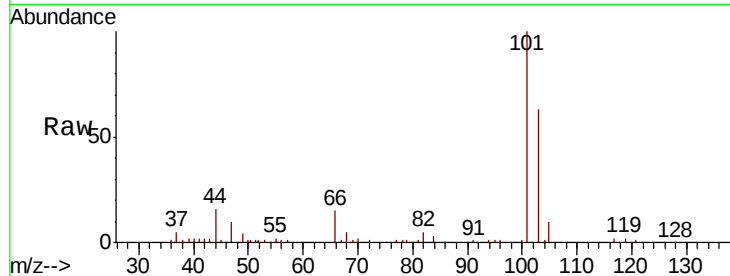


#7

Trichlorofluoromethane
Concen: 19.039 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW015408.D
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Instrument :
MSVOA_W
ClientSampleId :

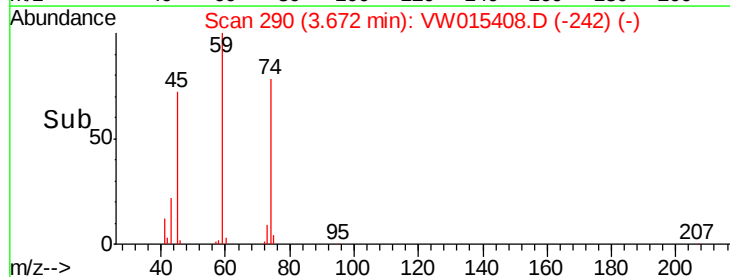
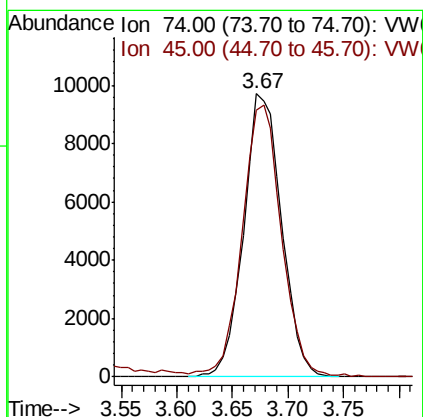
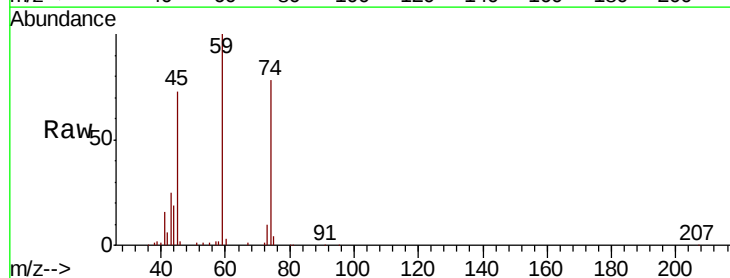
Tot Ion:101 Resp: 35150
Ion Ratio Lower Upper
101 100
103 63.3 50.2 75.4

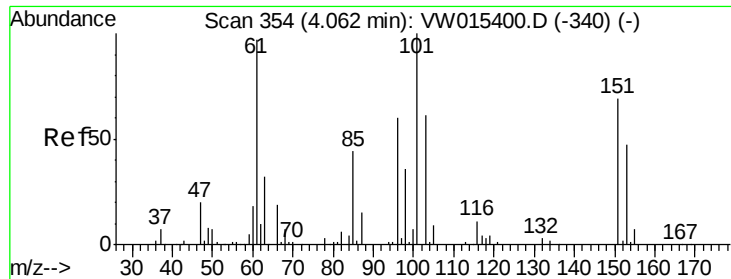


#8

Diethyl Ether
Concen: 19.891 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

Tgt Ion: 74 Resp: 22949
Ion Ratio Lower Upper
74 100
45 100.1 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.439 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :

MSVOA_W

ClientSampleId :

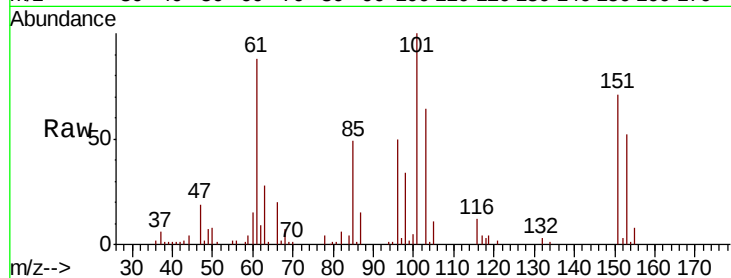
Tot Ion:101 Resp: 43745

Ion Ratio Lower Upper

101 100

85 46.4 37.3 55.9

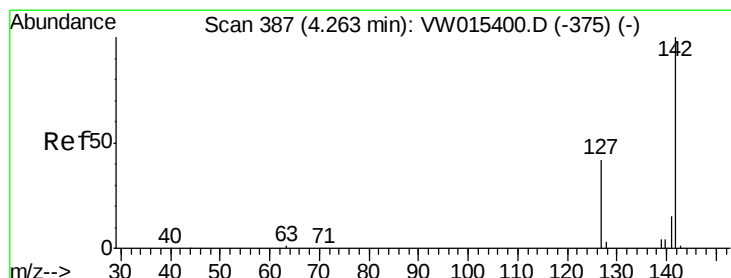
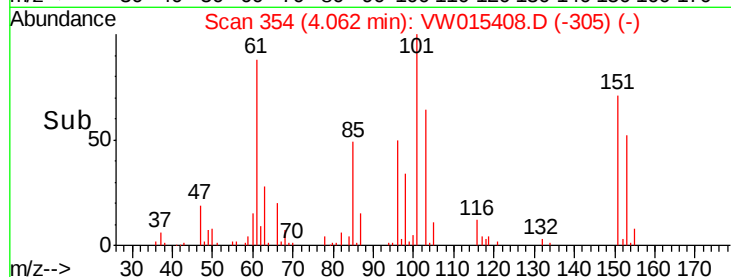
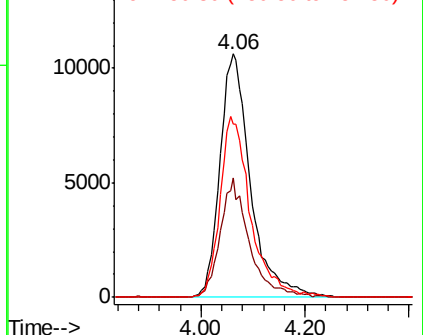
151 73.4 58.9 88.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.324 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

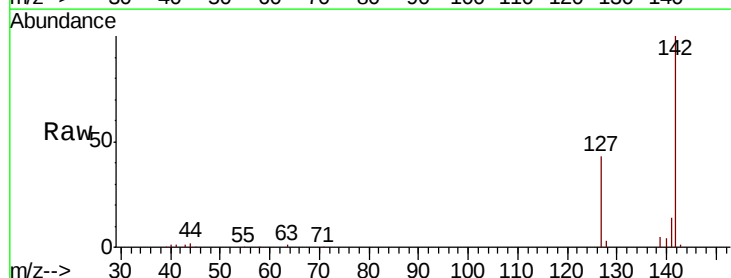
Tgt Ion:142 Resp: 65821

Ion Ratio Lower Upper

142 100

127 44.4 35.4 53.2

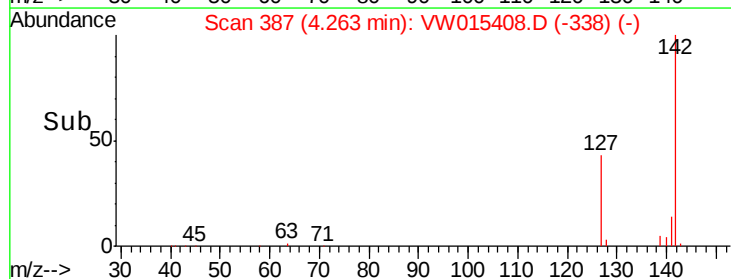
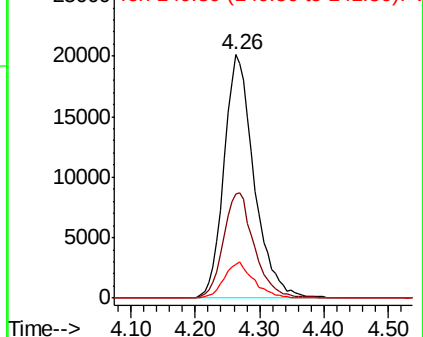
141 14.5 11.7 17.5

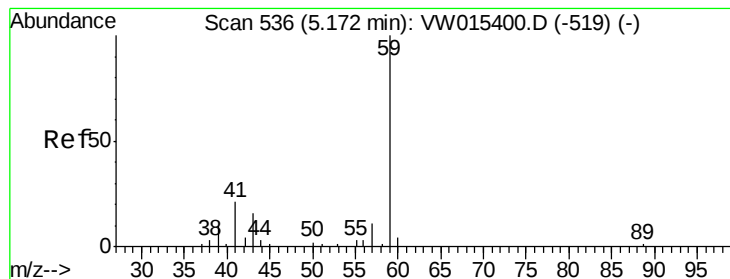


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 119.668 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :

MSVOA_W

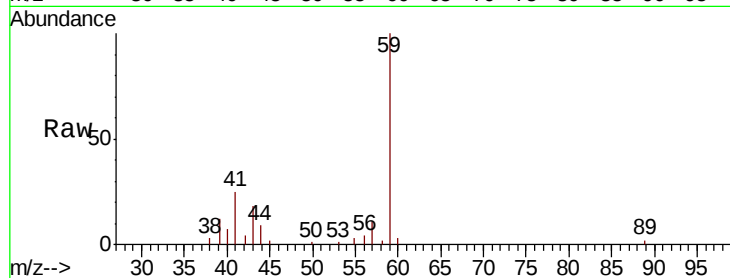
ClientSampleId :

Tot Ion: 59 Resp: 17419

Ion Ratio Lower Upper

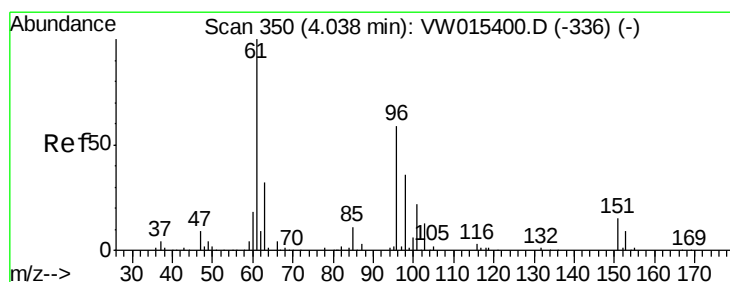
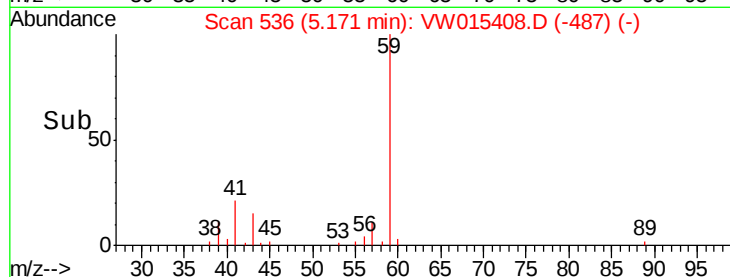
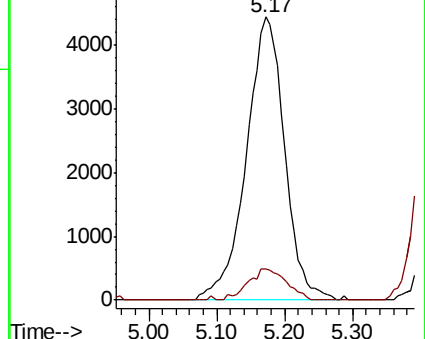
59 100

57 11.0 8.6 13.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 19.883 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

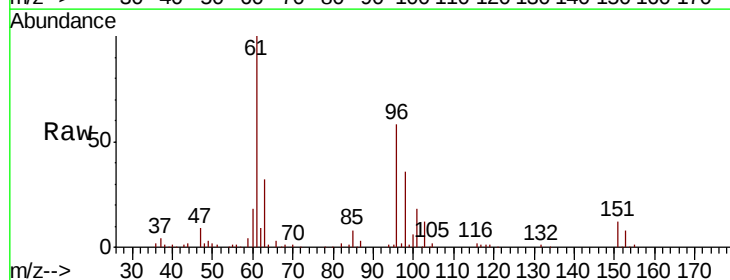
Tgt Ion: 96 Resp: 44130

Ion Ratio Lower Upper

96 100

61 172.9 135.8 203.8

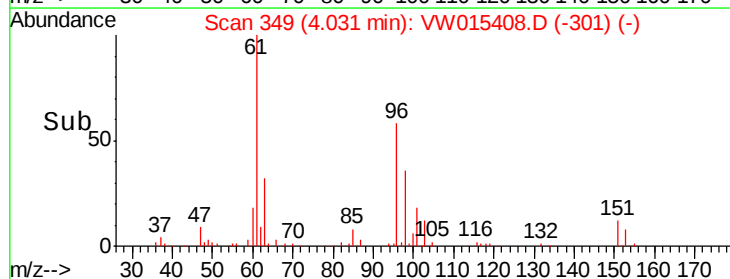
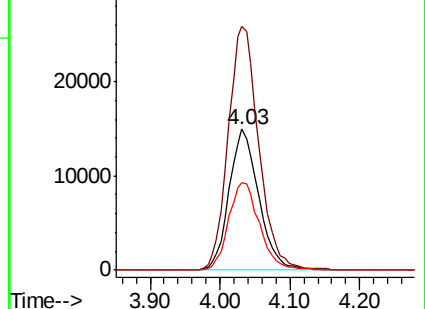
98 62.2 48.6 72.8

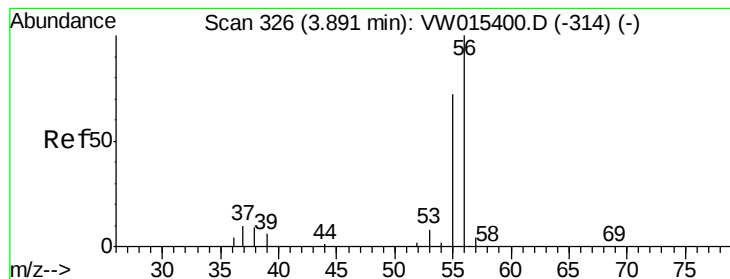


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 104.636 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :

MSVOA_W

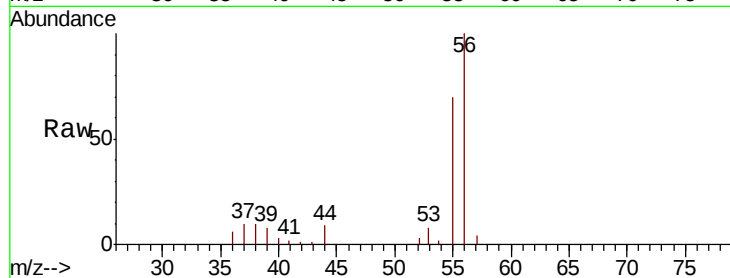
ClientSampleId :

Tot Ion: 56 Resp: 19450

Ion Ratio Lower Upper

56 100

55 68.0 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.89

8000

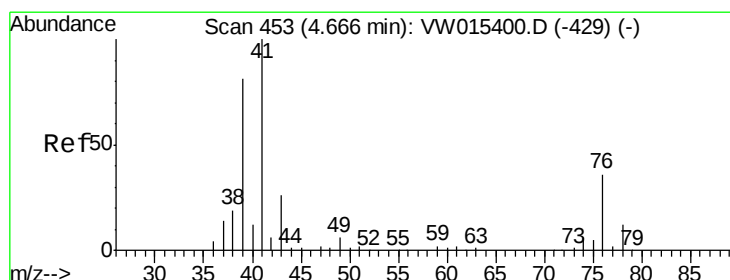
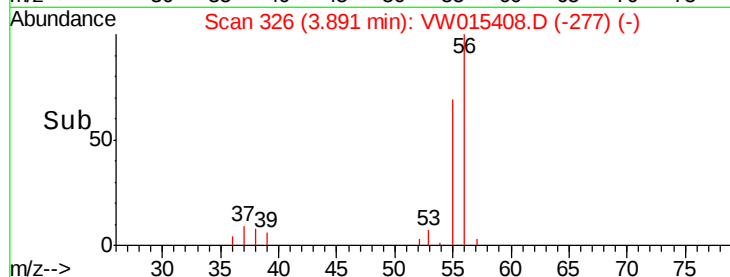
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 20.206 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

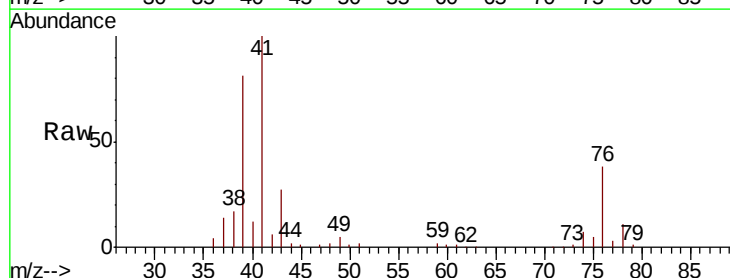
Tgt Ion: 41 Resp: 78577

Ion Ratio Lower Upper

41 100

39 80.1 63.6 95.4

76 35.5 28.4 42.6



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

4.67

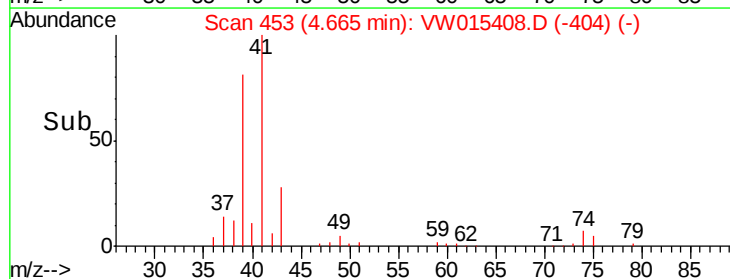
30000

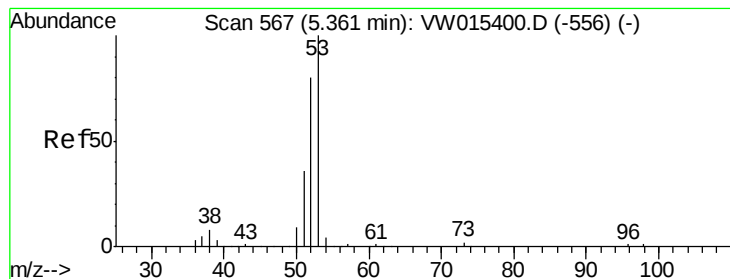
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 105.166 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :

MSVOA_W

ClientSampleId :

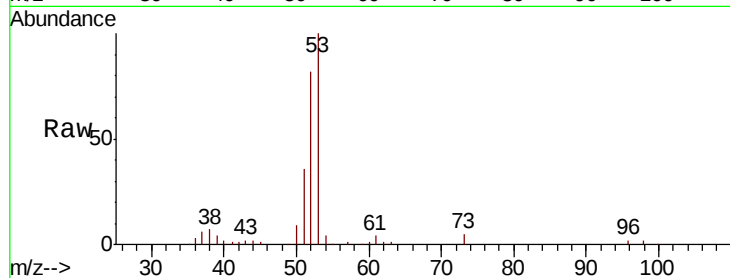
Tot Ion: 53 Resp: 49381

Ion Ratio Lower Upper

53 100

52 82.7 66.6 99.8

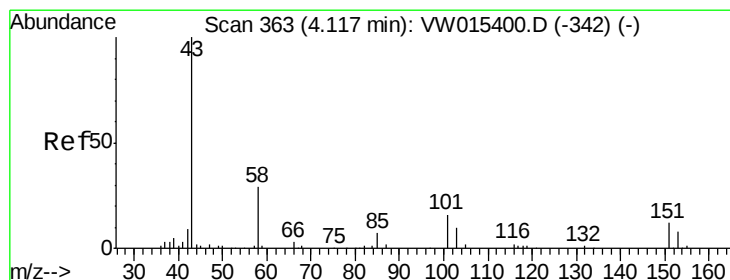
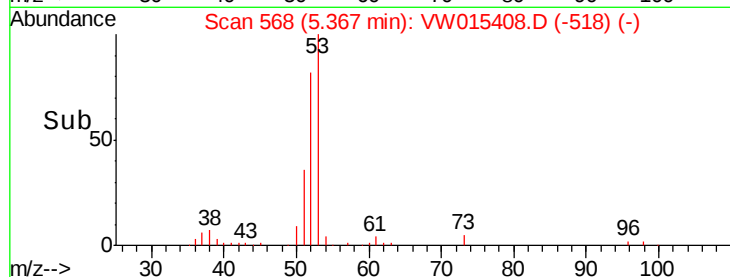
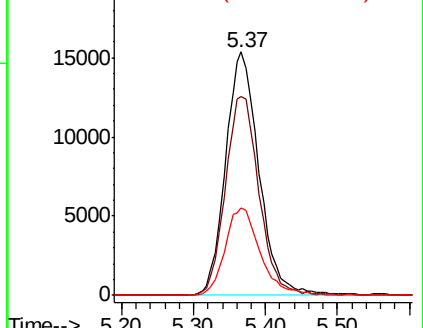
51 37.7 30.2 45.2



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: 106.358 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW015408.D

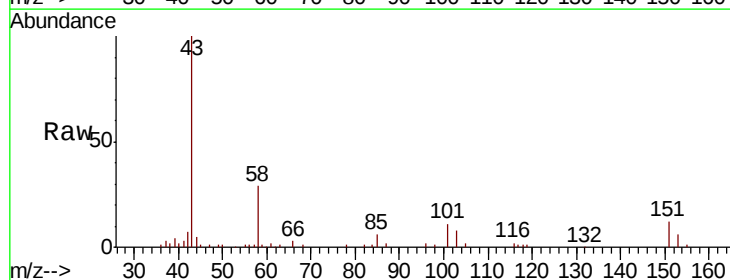
Acq: 06 May 2020 11:59

Tgt Ion: 43 Resp: 41707

Ion Ratio Lower Upper

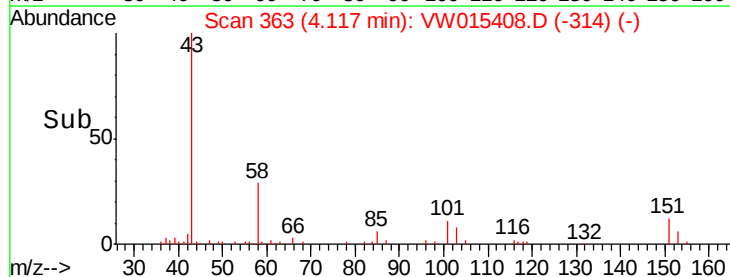
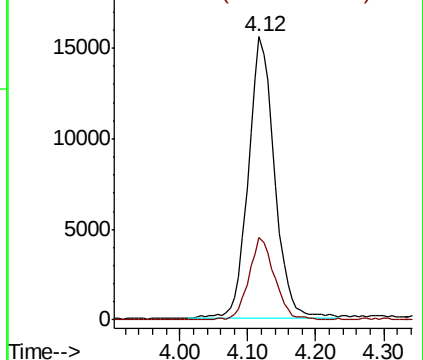
43 100

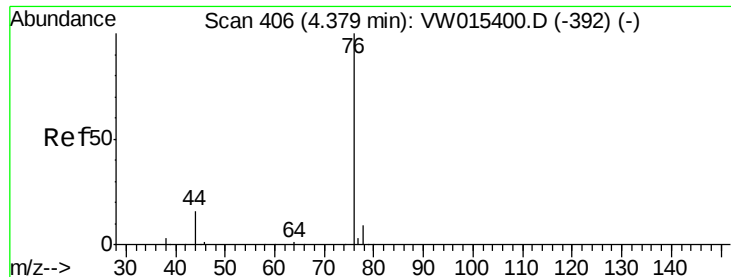
58 29.2 23.4 35.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

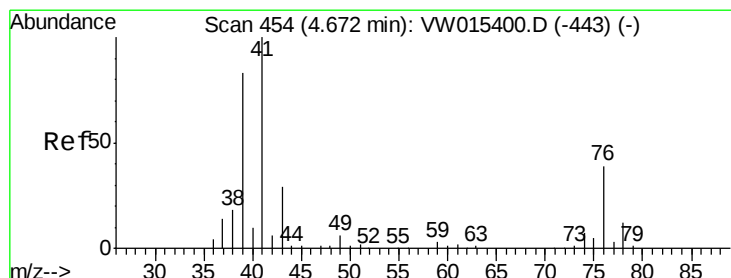
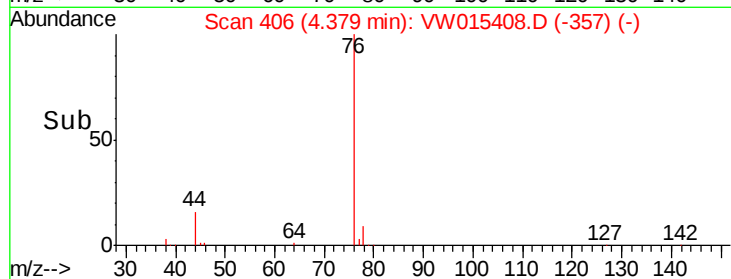
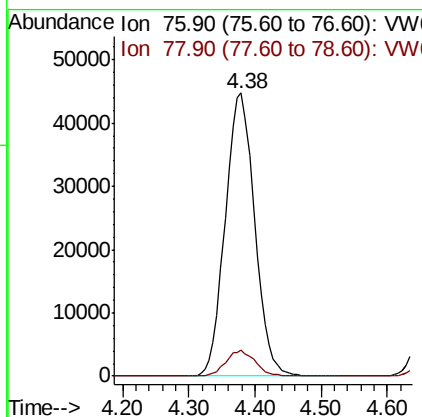
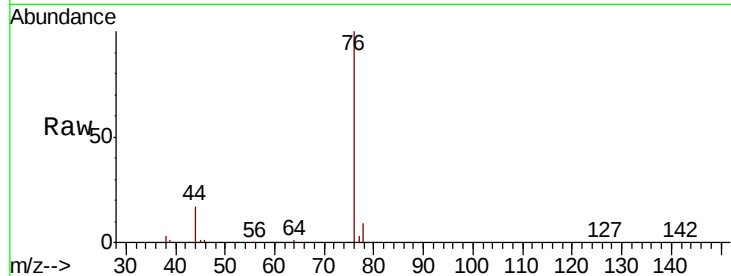




#17
Carbon Disulfide
Concen: 20.280 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

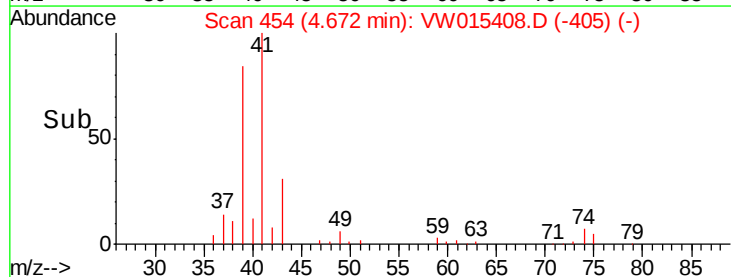
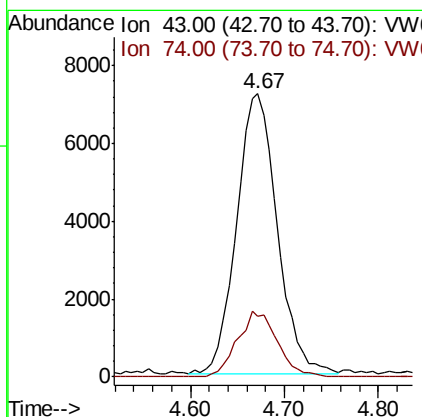
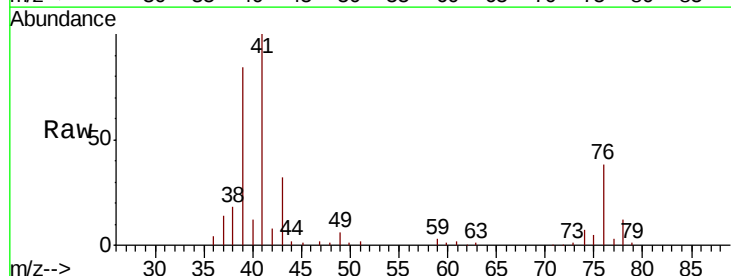
Instrument :
MSVOA_W
ClientSampled :

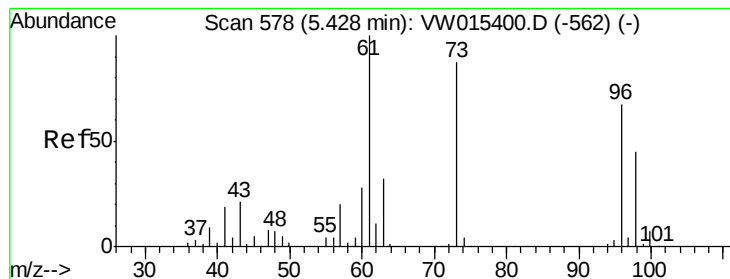
Tot Ion: 76 Resp: 138011
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 20.766 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

Tgt Ion: 43 Resp: 21617
Ion Ratio Lower Upper
43 100
74 23.0 18.7 28.1



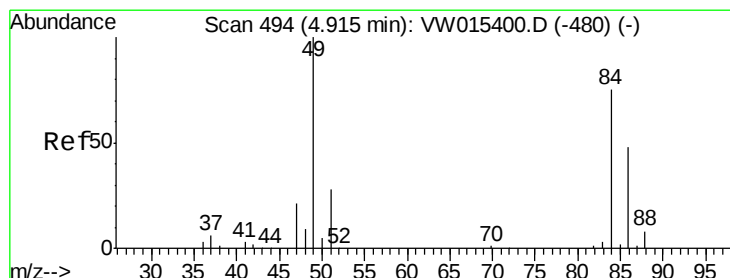
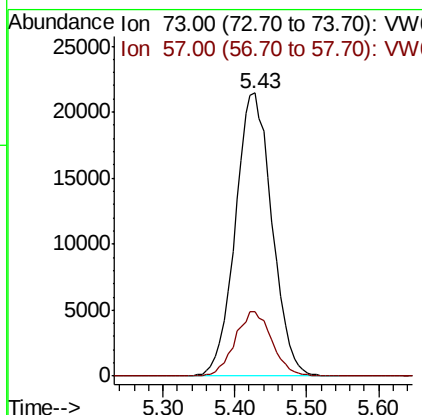
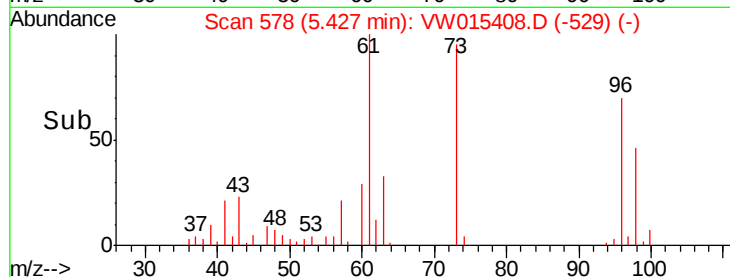
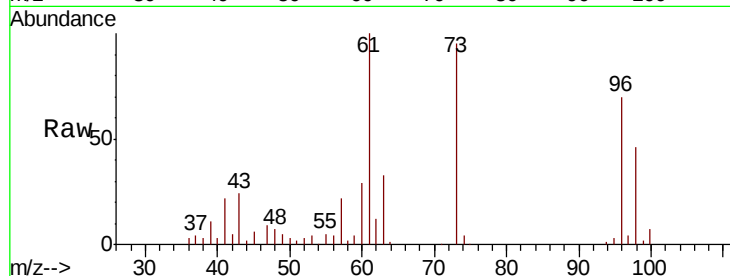


#19

Methyl tert-butyl Ether
 Concen: 21.206 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW015408.D
 Acq: 06 May 2020 11:59

Instrument :
 MSVOA_W
 ClientSampled :

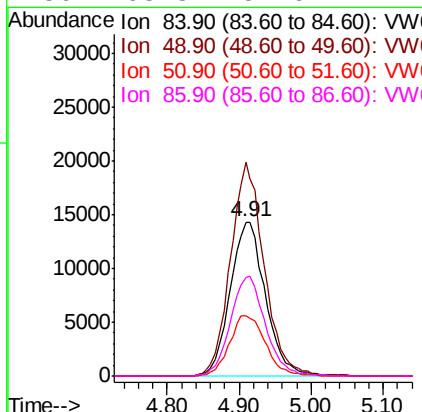
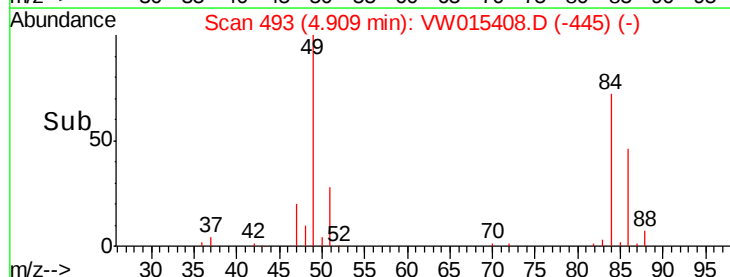
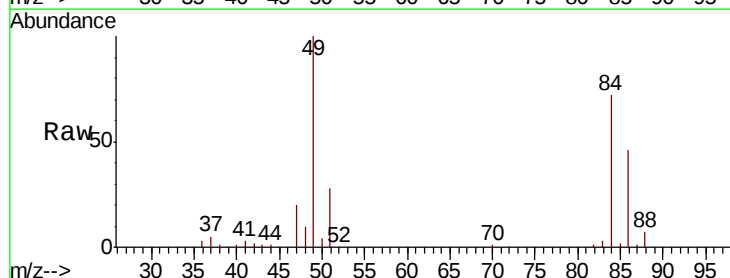
Tot Ion: 73 Resp: 75621
 Ion Ratio Lower Upper
 73 100
 57 22.7 18.5 27.7

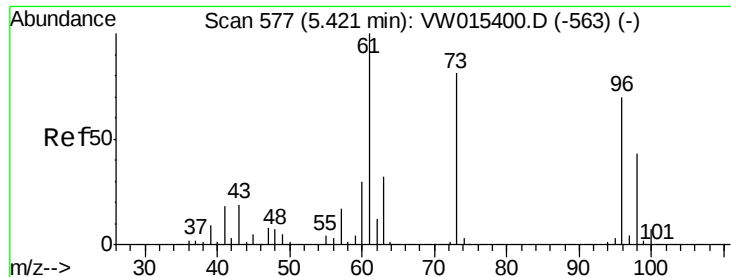


#20

Methylene Chloride
 Concen: 19.016 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW015408.D
 Acq: 06 May 2020 11:59

Tgt Ion: 84 Resp: 48654
 Ion Ratio Lower Upper
 84 100
 49 138.8 106.4 159.6
 51 39.0 30.2 45.2
 86 63.8 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 20.139 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :

MSVOA_W

ClientSampleId :

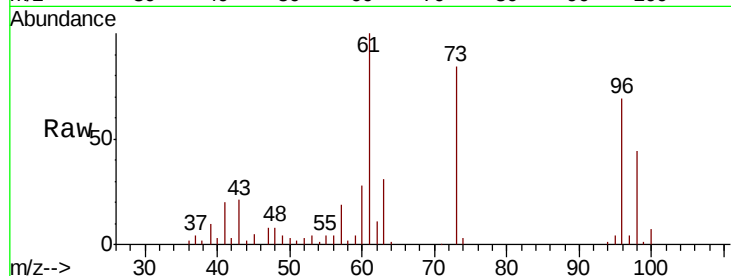
Tot Ion: 96 Resp: 50738

Ion Ratio Lower Upper

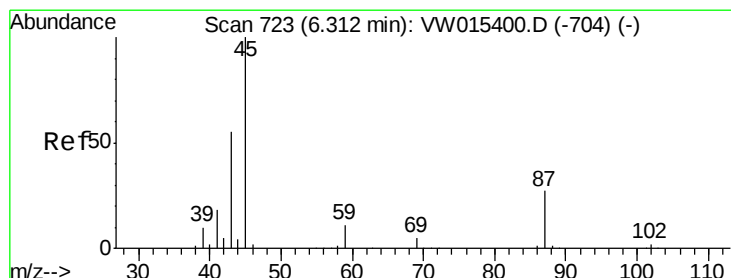
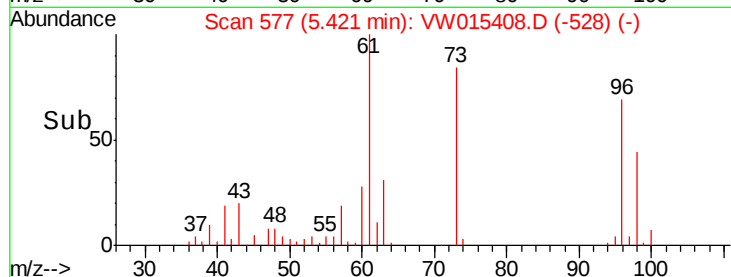
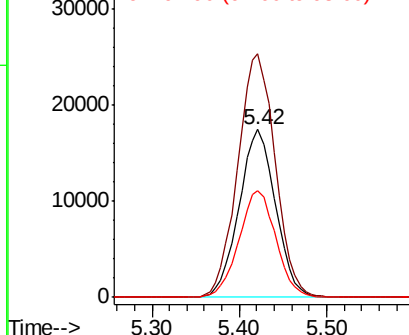
96 100

61 144.9 114.9 172.3

98 63.3 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: 20.288 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Tgt Ion: 45 Resp: 154174

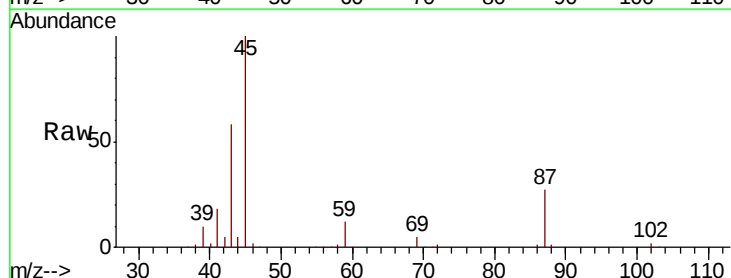
Ion Ratio Lower Upper

45 100

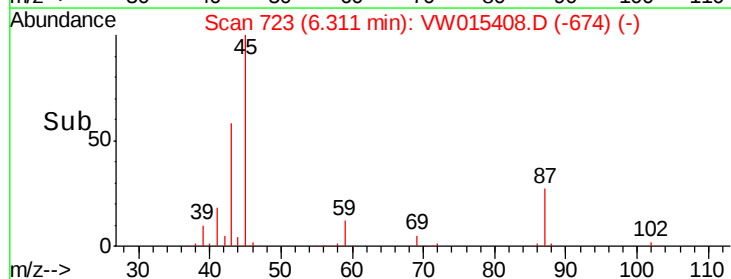
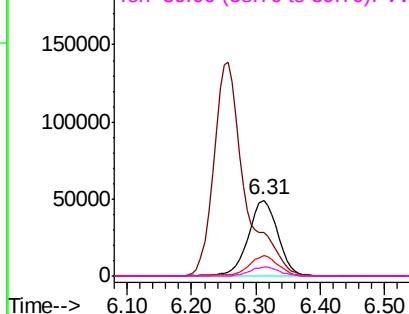
43 56.9 44.2 66.4

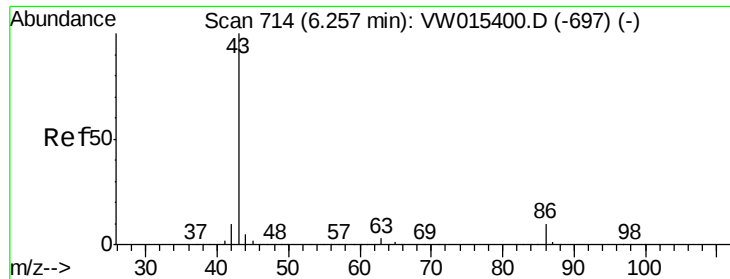
87 26.8 21.6 32.4

59 11.5 9.0 13.6



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

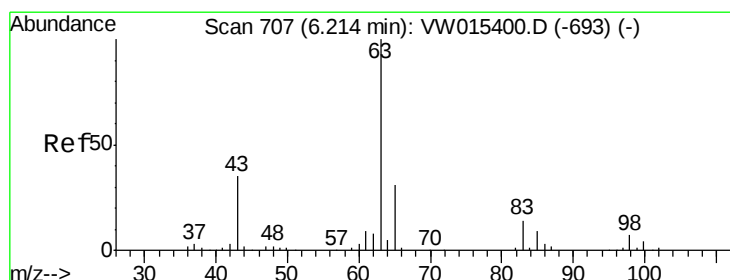
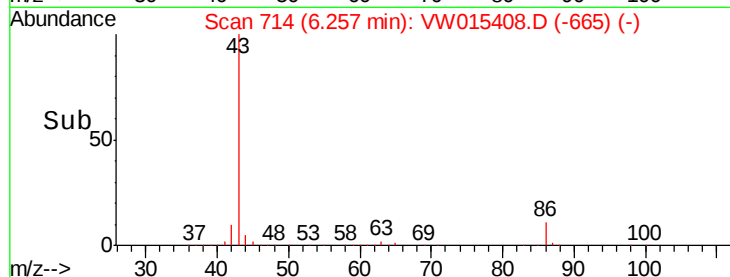
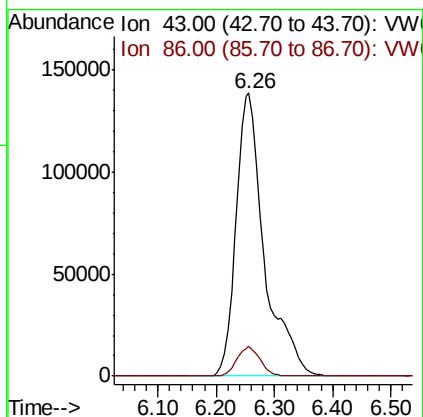
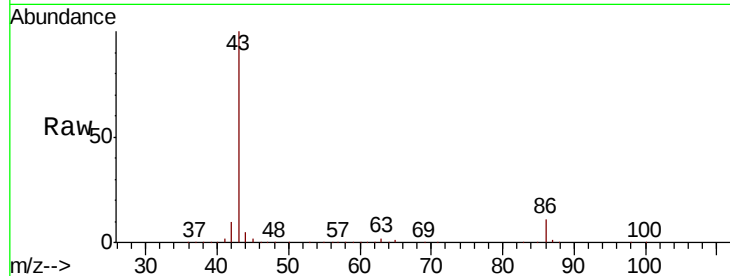




#23
 Vinyl Acetate
 Concen: 100.783 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VW015408.D
 Acq: 06 May 2020 11:59

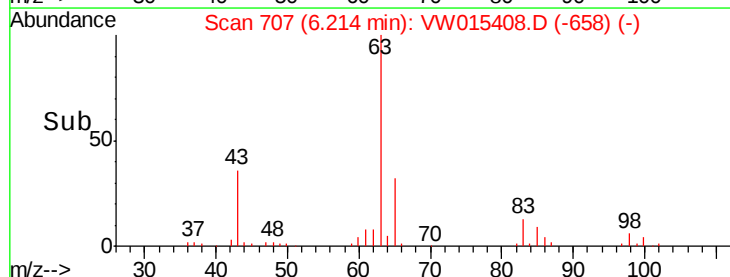
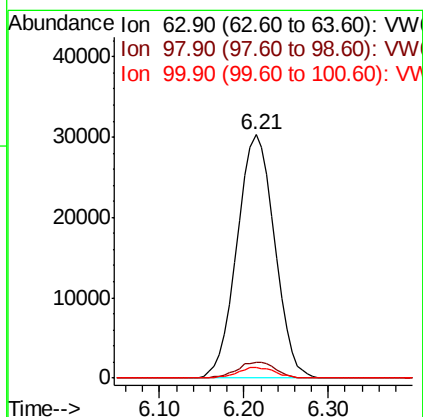
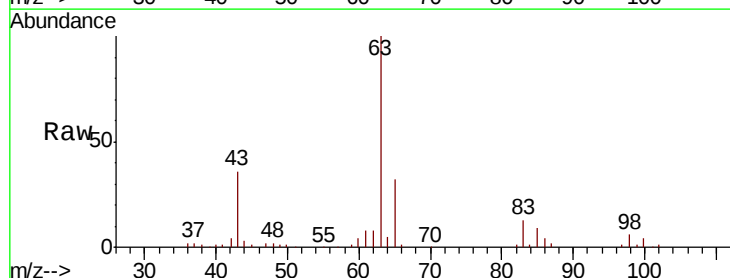
Instrument :
 MSVOA_W
 ClientSampleId :

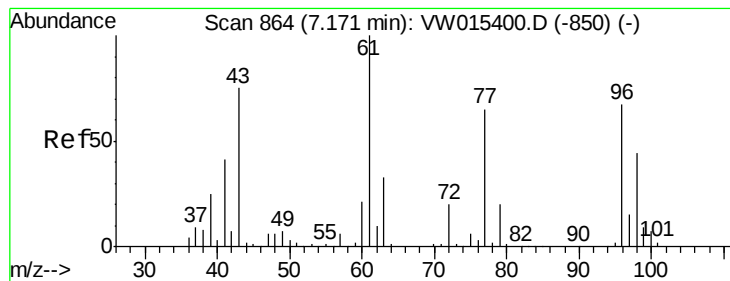
Tot Ion: 43 Resp: 465559
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 20.113 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW015408.D
 Acq: 06 May 2020 11:59

Tgt Ion: 63 Resp: 91630
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.5 10.4
 100 4.4 2.1 6.5





#25

2-Butanone

Concen: 105.556 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

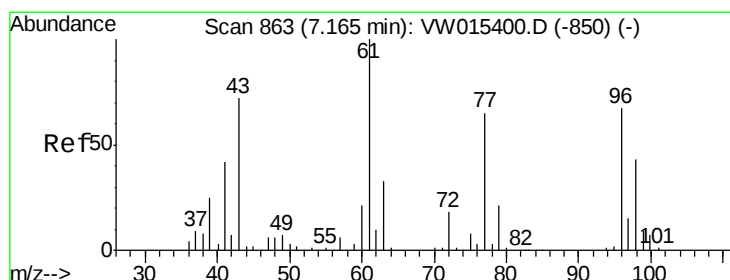
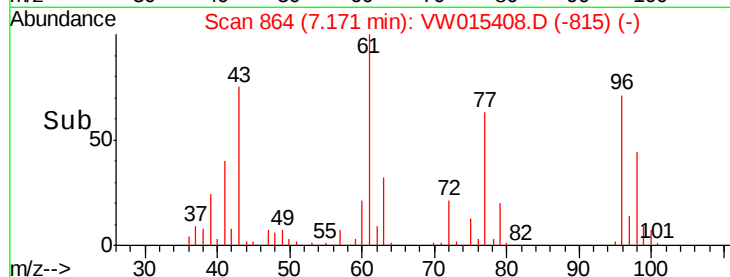
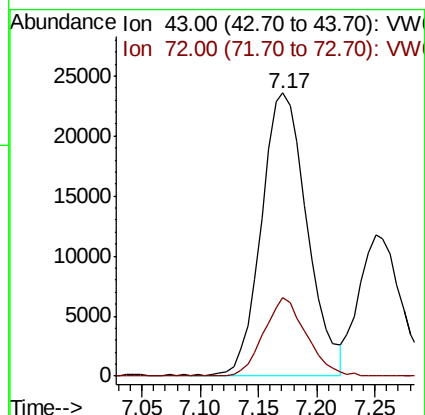
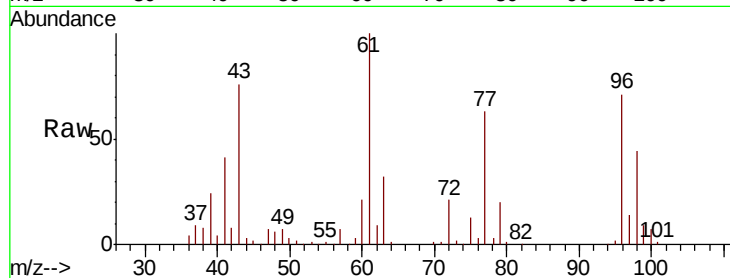
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 64518

Ion Ratio Lower Upper

43 100

72 27.6 21.4 32.0



#26

2,2-Dichloropropane

Concen: 20.248 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015408.D

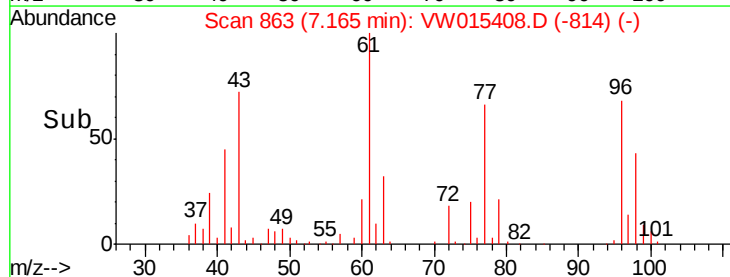
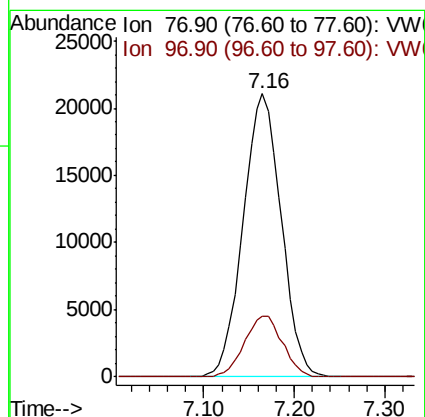
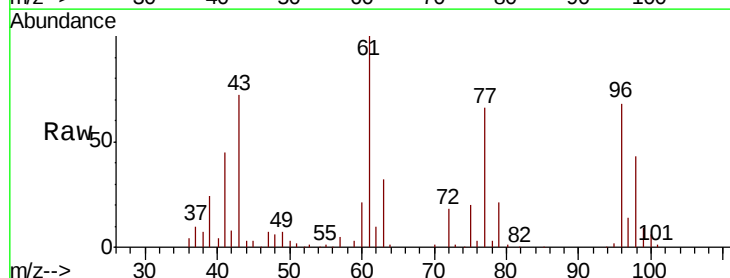
Acq: 06 May 2020 11:59

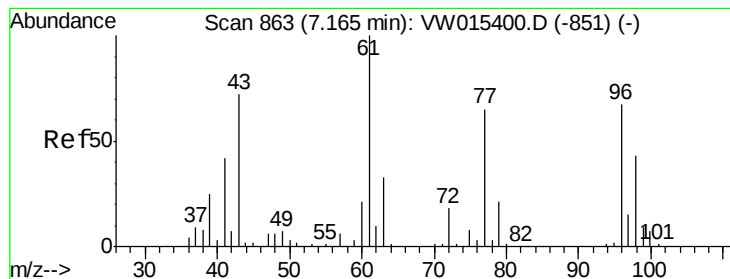
Tgt Ion: 77 Resp: 61137

Ion Ratio Lower Upper

77 100

97 21.6 11.1 33.1



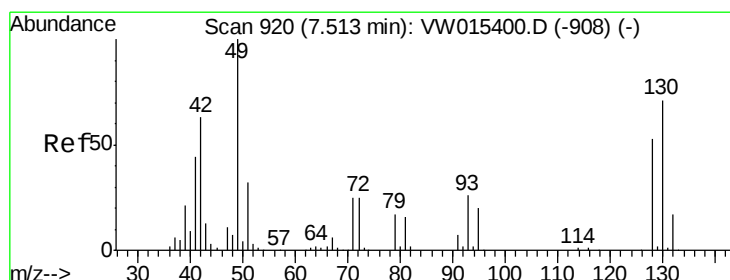
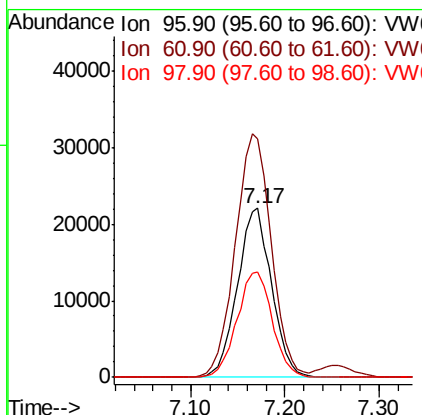
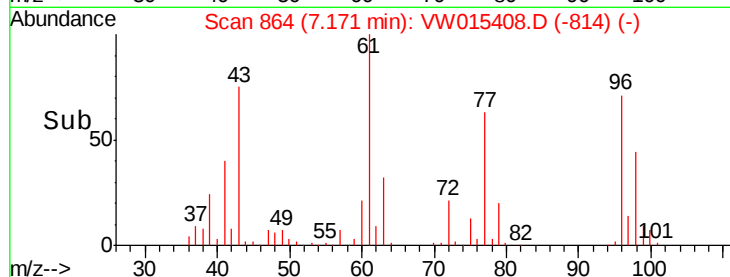
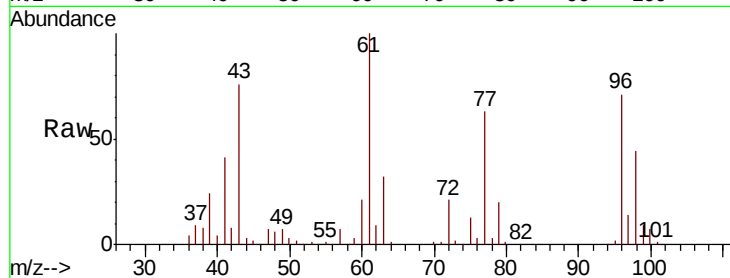


#27

cis-1,2-Dichloroethene
Concen: 20.450 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

Instrument :
MSVOA_W
ClientSampled :

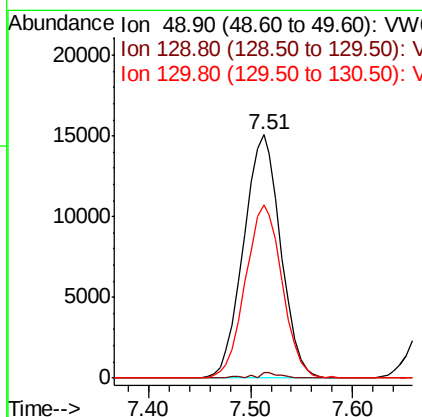
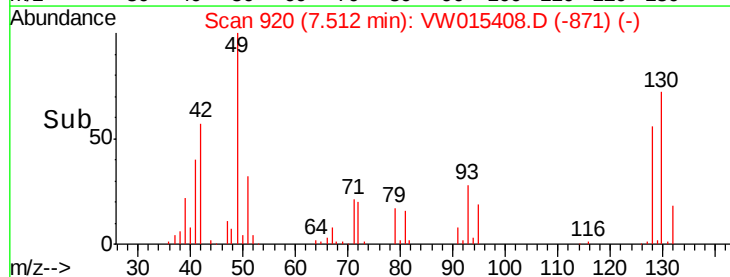
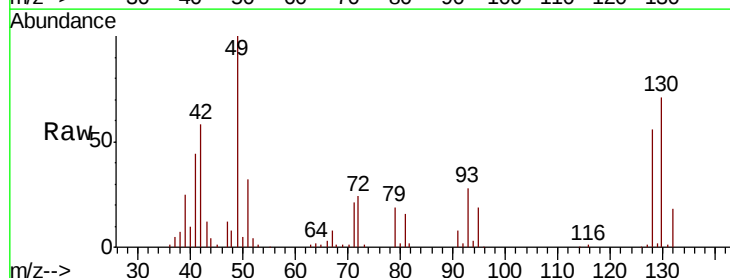
Tot Ion	Ratio	Lower	Upper
96	100		
61	151.5	0.0	304.6
98	64.3	0.0	129.2

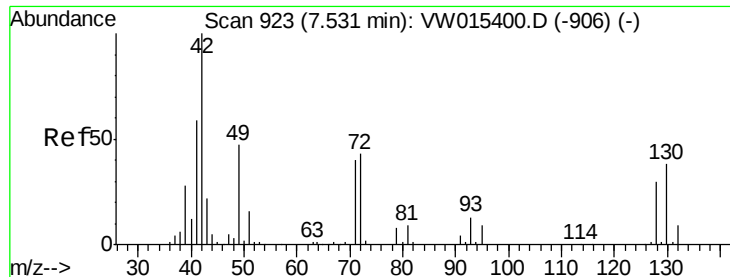


#28

Bromochloromethane
Concen: 20.763 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.0
130	70.7	57.0	85.4

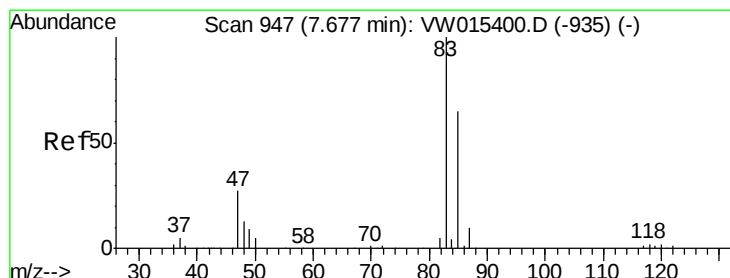
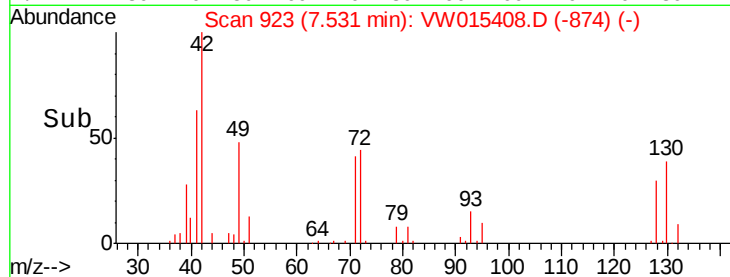
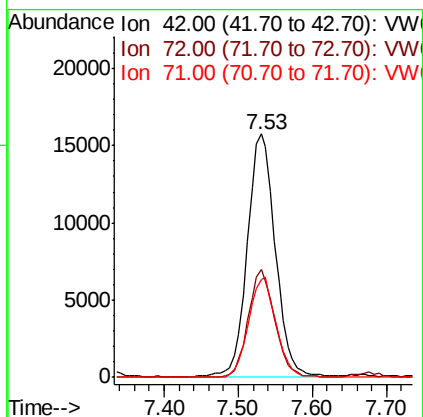
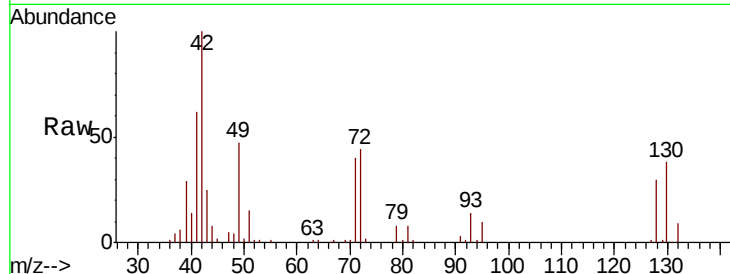




#29
Tetrahydrofuran
Concen: 104.281 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

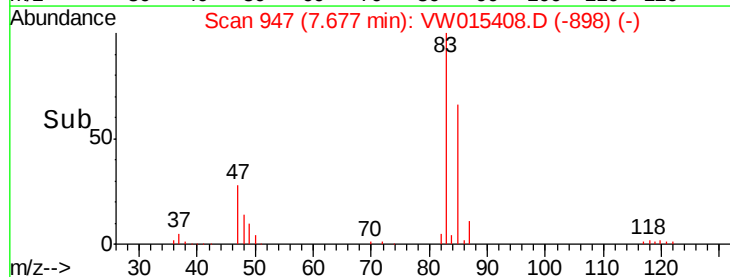
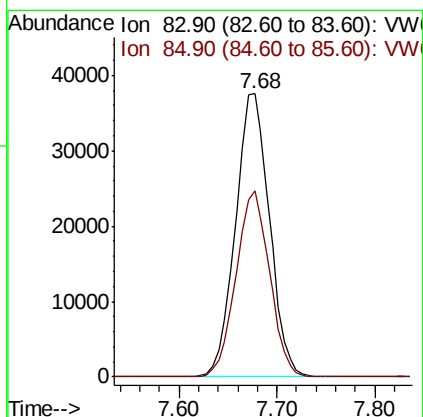
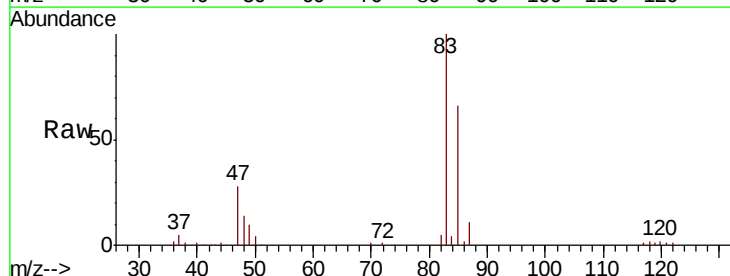
Instrument :
MSVOA_W
ClientSampled :

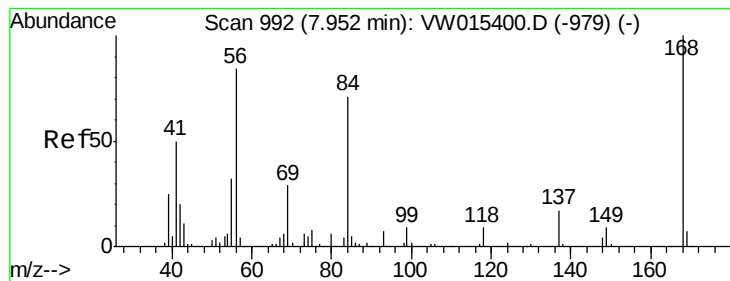
Tot Ion: 42 Resp: 41947
Ion Ratio Lower Upper
42 100
72 41.6 33.6 50.4
71 39.9 32.1 48.1



#30
Chloroform
Concen: 20.029 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

Tgt Ion: 83 Resp: 90658
Ion Ratio Lower Upper
83 100
85 65.8 51.8 77.6





#31

Cyclohexane

Concen: 19.894 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

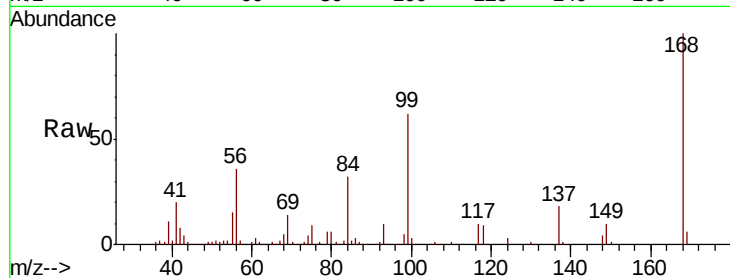
Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 92023

Ion	Ratio	Lower	Upper
56	100		
69	38.1	27.2	40.8
84	87.8	67.7	101.5

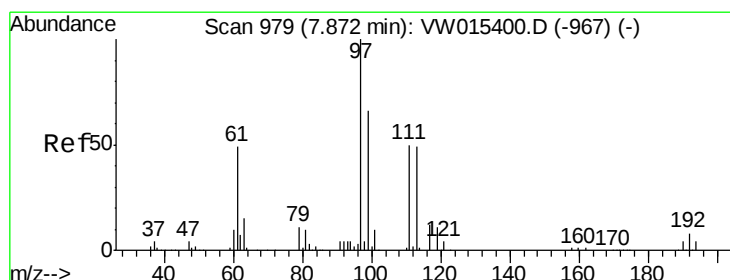
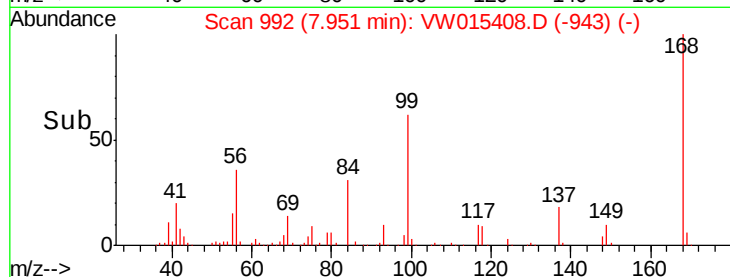
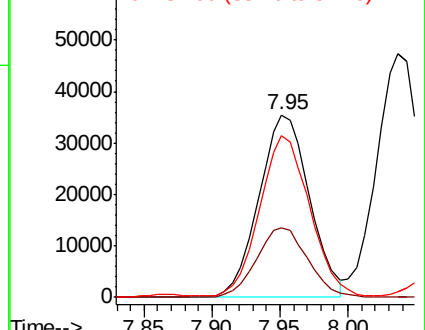


Abundance

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: 20.457 ug/l

RT: 7.87 min Scan# 979

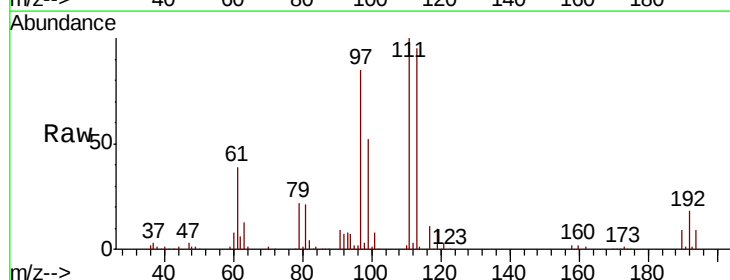
Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Tgt Ion: 97 Resp: 77825

Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.7	76.1
61	47.9	38.0	57.0

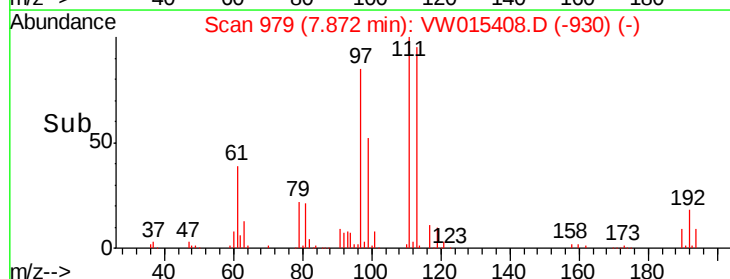
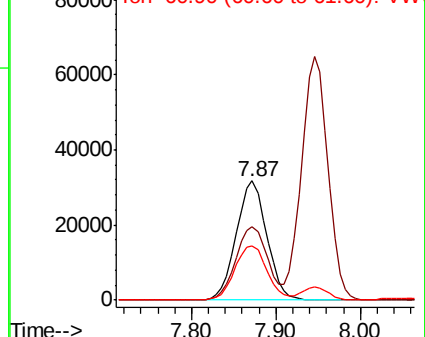


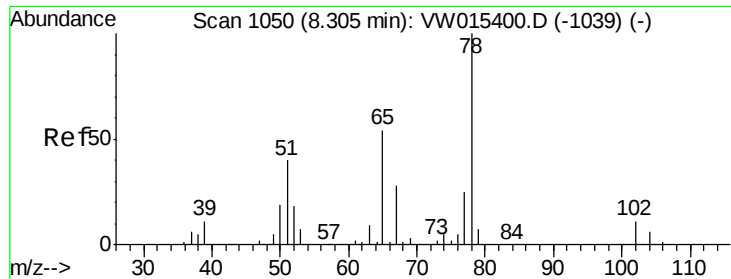
Abundance

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

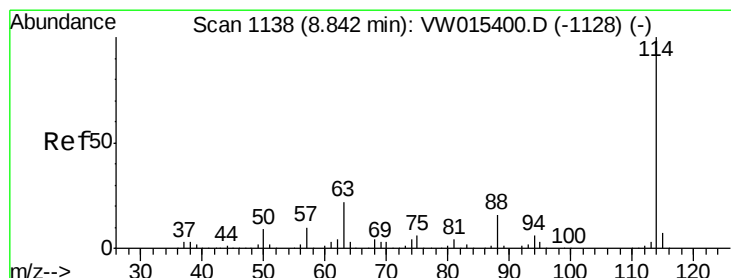
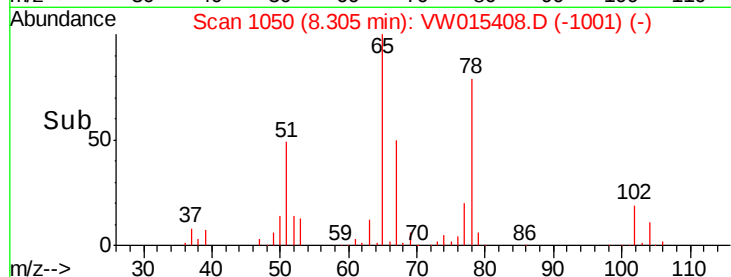
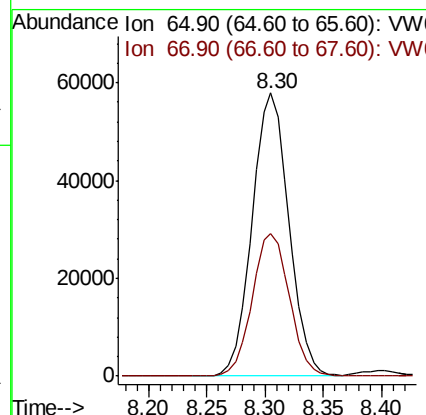
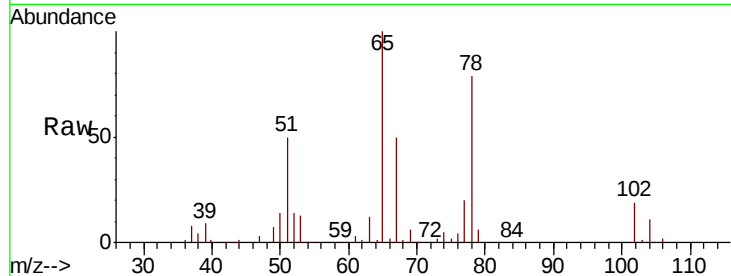




#33
 1,2-Dichloroethane-d4
 Concen: 50.507 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW015408.D
 Acq: 06 May 2020 11:59

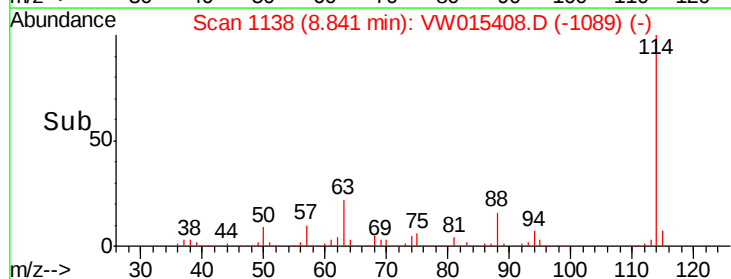
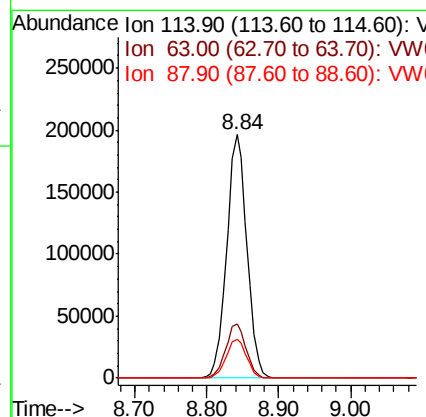
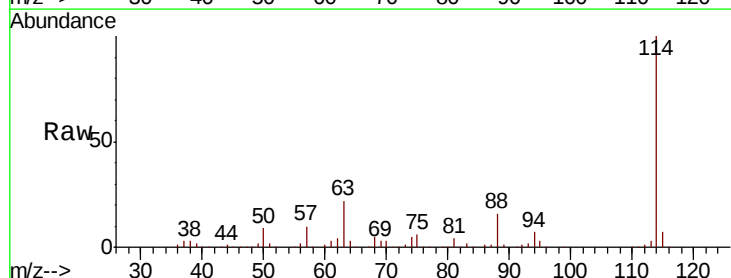
Instrument :
 MSVOA_W
 ClientSampled :

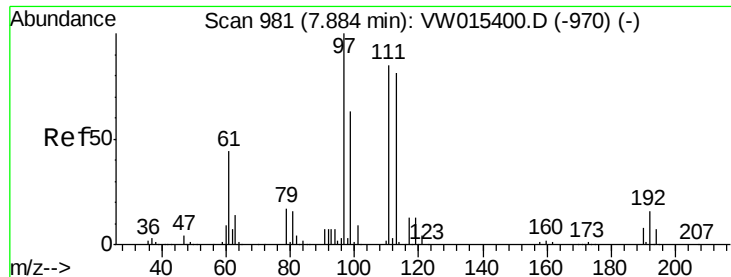
Tot Ion: 65 Resp: 127493
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015408.D
 Acq: 06 May 2020 11:59

Tgt Ion: 114 Resp: 382092
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.4
 88 15.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 49.942 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :

MSVOA_W

ClientSampleId :

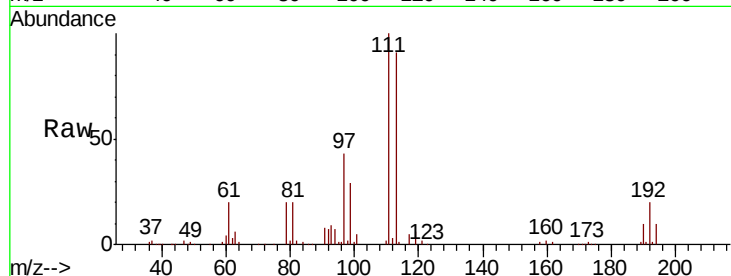
Tot Ion:113 Resp: 109526

Ion Ratio Lower Upper

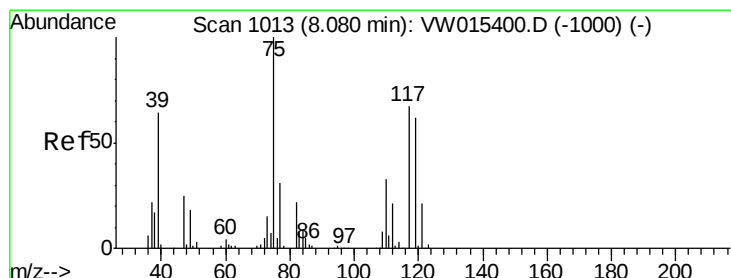
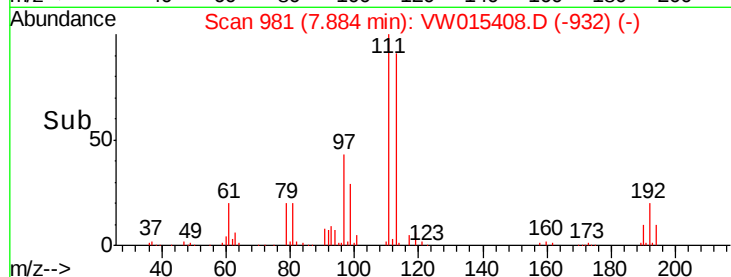
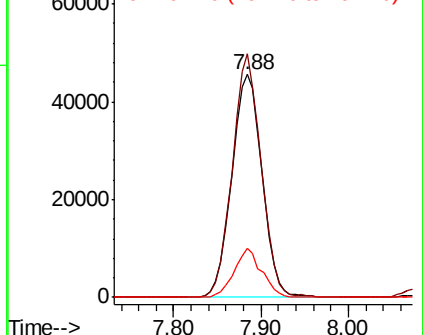
113 100

111 104.0 82.9 124.3

192 19.9 15.4 23.0



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



#36

1,1-Dichloropropene

Concen: 20.211 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

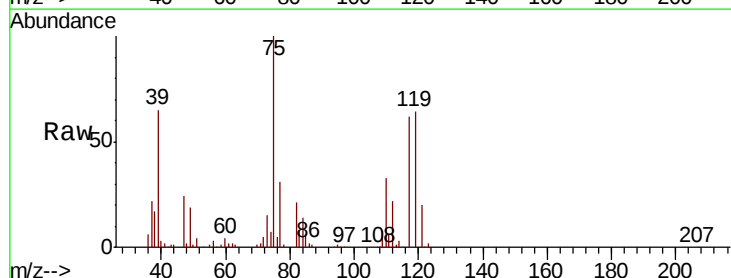
Tgt Ion: 75 Resp: 75873

Ion Ratio Lower Upper

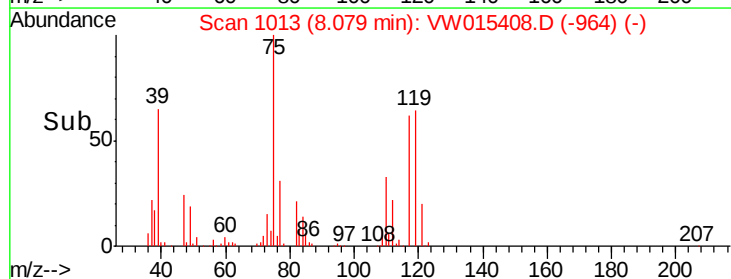
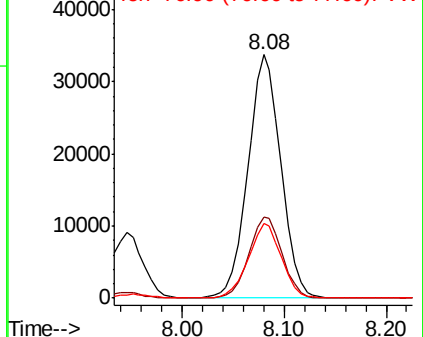
75 100

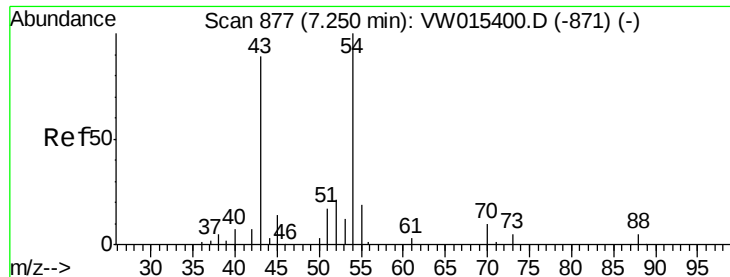
110 33.5 16.6 49.8

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

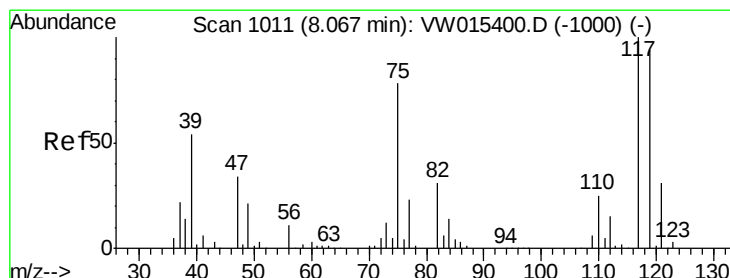
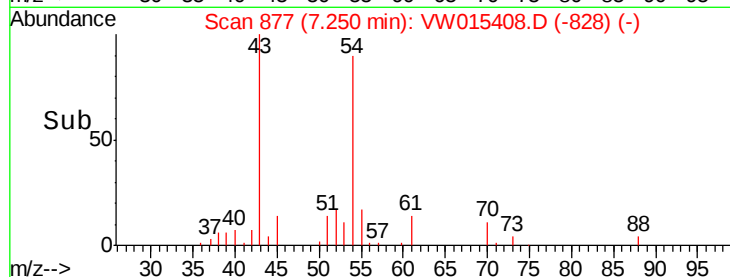
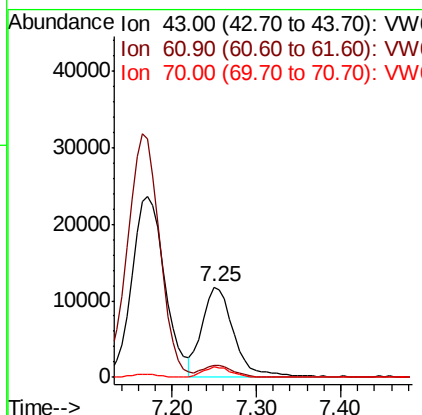
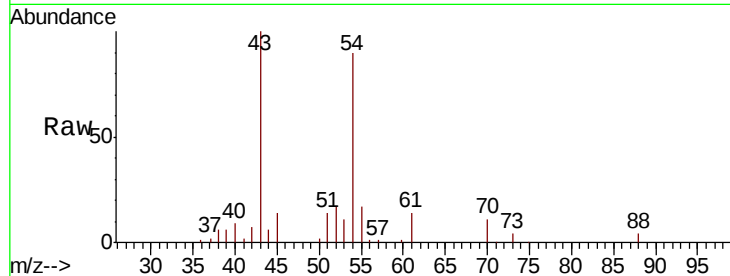




#37
Ethyl Acetate
Concen: 20.949 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

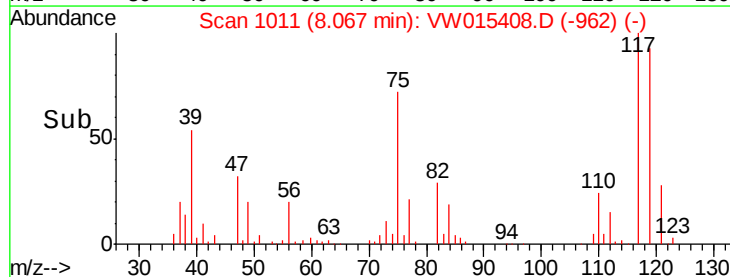
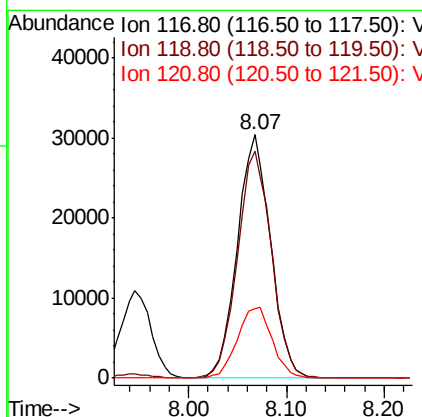
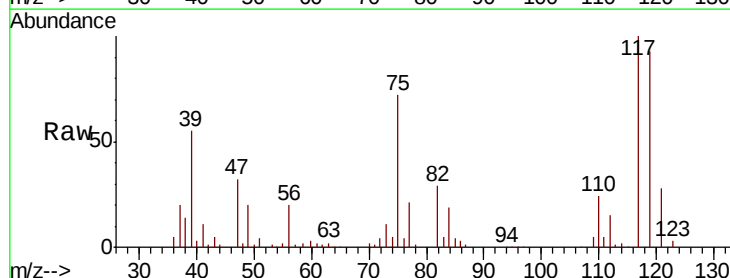
Instrument :
MSVOA_W
ClientSampleId :

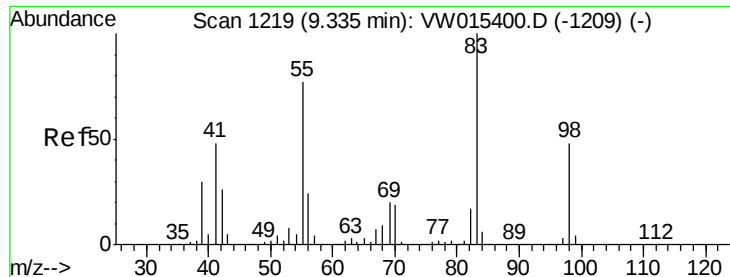
Tot Ion: 43 Resp: 30514
Ion Ratio Lower Upper
43 100
61 13.2 10.2 15.2
70 10.4 8.0 12.0



#38
Carbon Tetrachloride
Concen: 20.411 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

Tgt Ion: 117 Resp: 71632
Ion Ratio Lower Upper
117 100
119 93.4 75.4 113.0
121 28.4 24.8 37.2

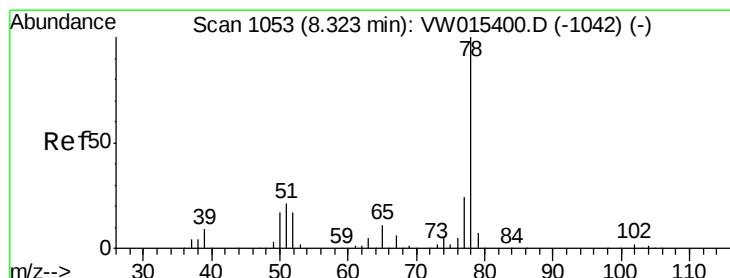
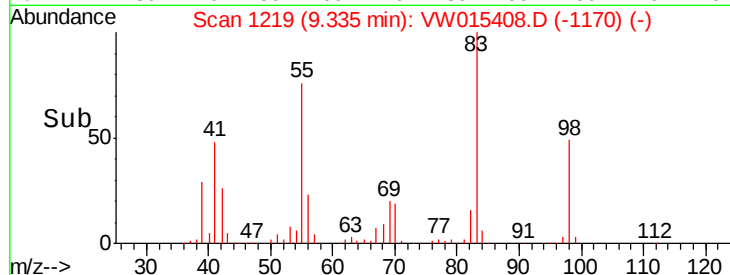
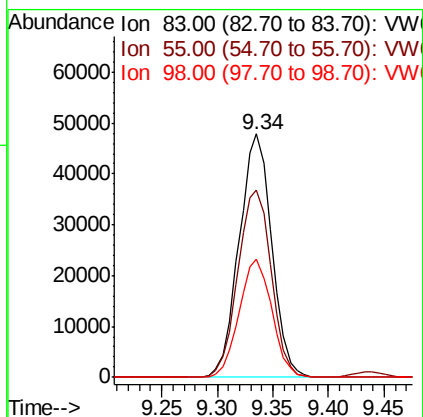
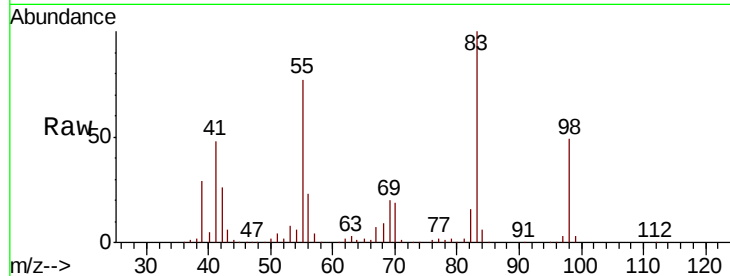




#39
Methvlcvclohexane
Concen: 20.472 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

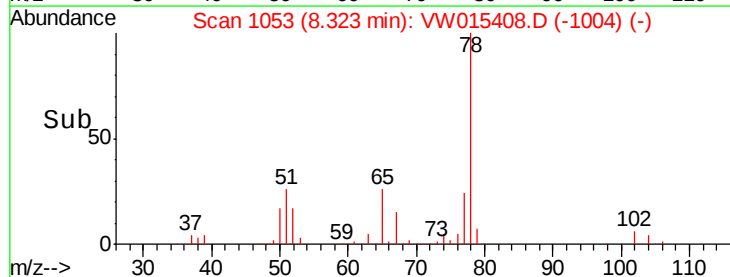
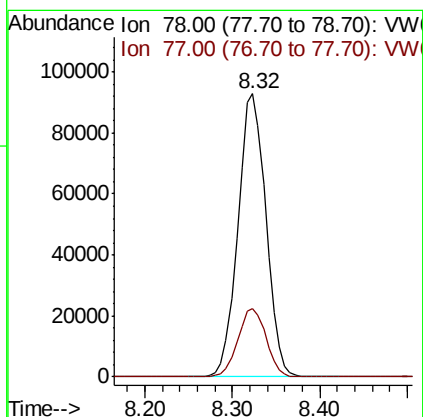
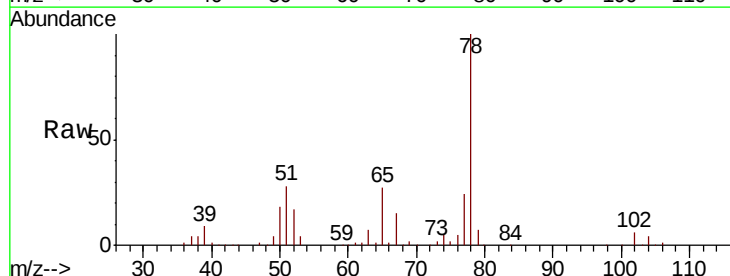
Instrument :
MSVOA_W
ClientSampleId :

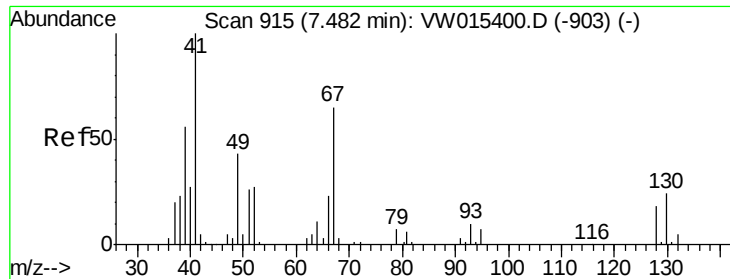
Tot Ion: 83 Resp: 97281
Ion Ratio Lower Upper
83 100
55 76.7 61.9 92.9
98 48.6 38.2 57.2



#40
Benzene
Concen: 20.176 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

Tgt Ion: 78 Resp: 206574
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.4





#41

Methacrylonitrile

Concen: 20.504 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 18871

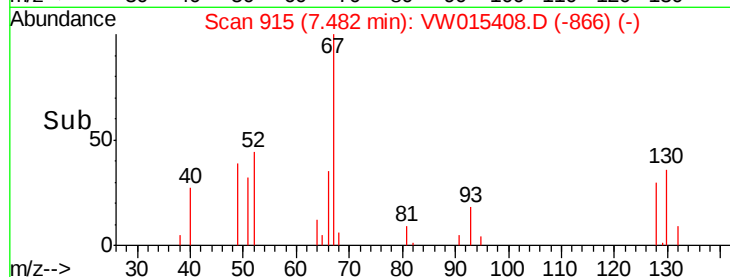
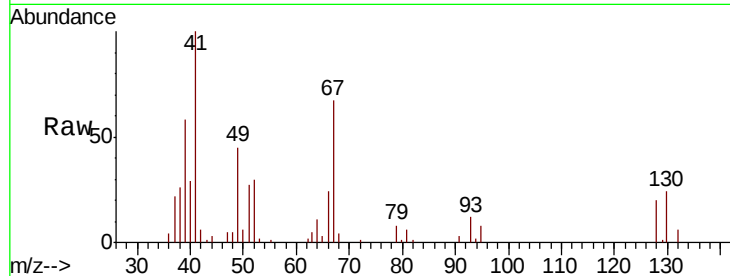
Ion Ratio Lower Upper

41 100

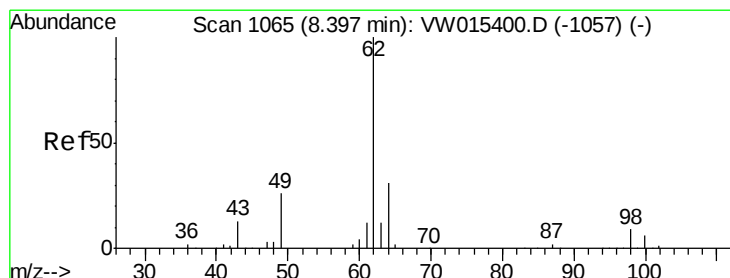
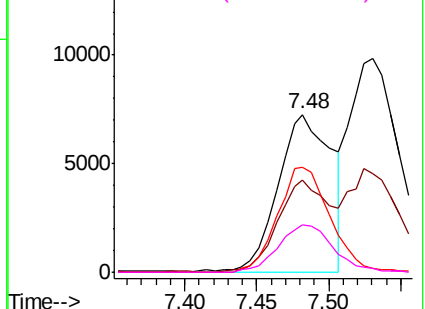
39 57.4 46.2 69.4

67 65.0 56.2 84.2

52 30.8 25.0 37.6



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



#42

1,2-Dichloroethane

Concen: 20.349 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW015408.D

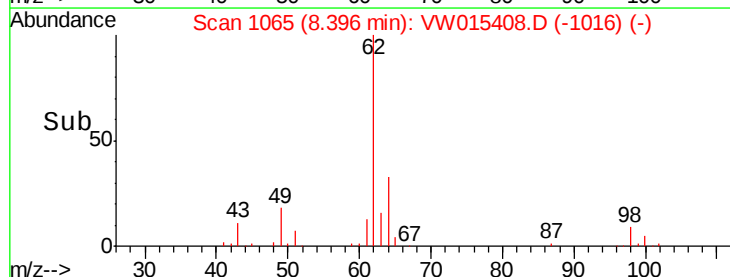
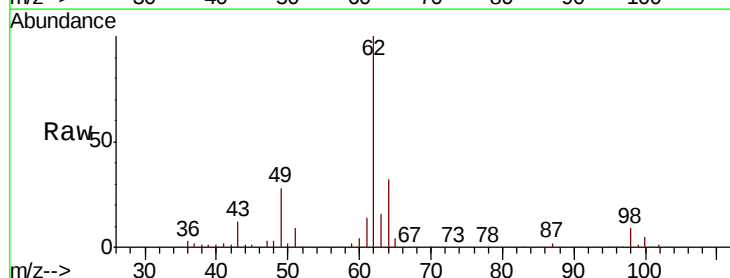
Acq: 06 May 2020 11:59

Tgt Ion: 62 Resp: 63457

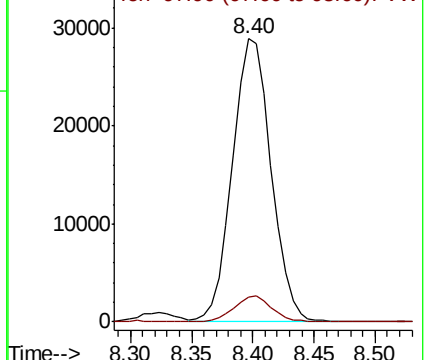
Ion Ratio Lower Upper

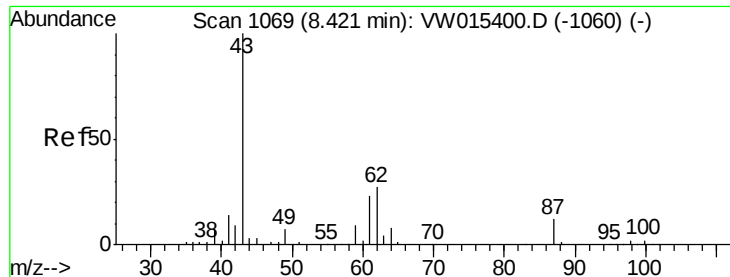
62 100

98 8.9 0.0 17.6



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



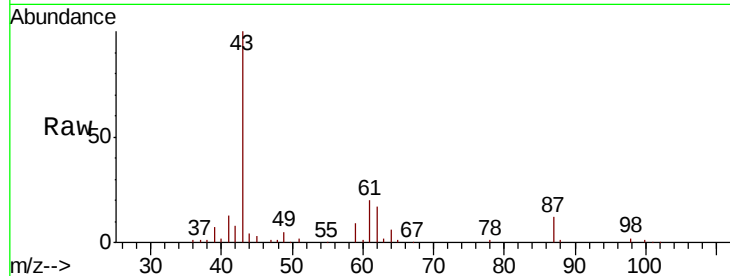


#43

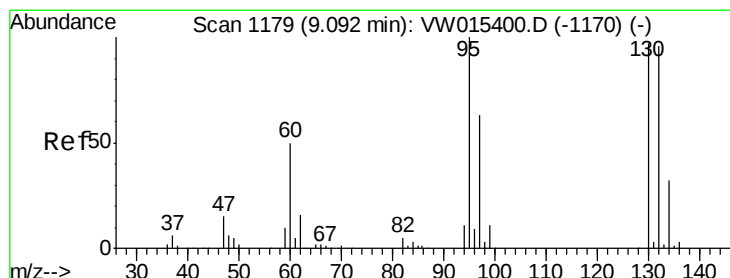
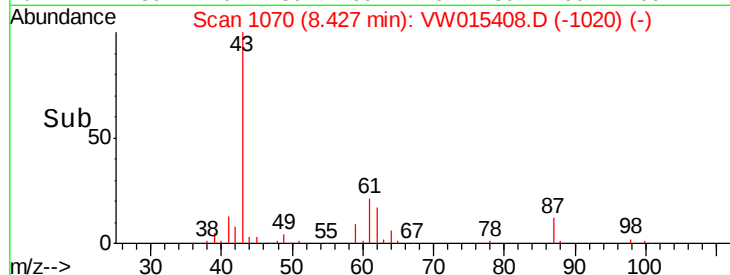
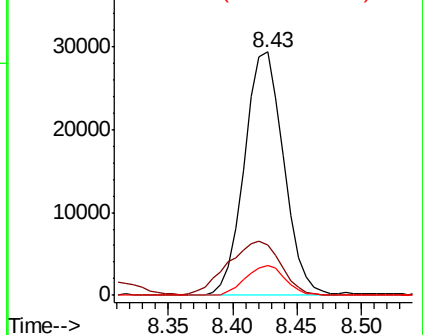
Isopropyl Acetate
 Concen: 20.097 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VW015408.D
 Acq: 06 May 2020 11:59

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.4	24.3	36.5
87	12.5	10.1	15.1



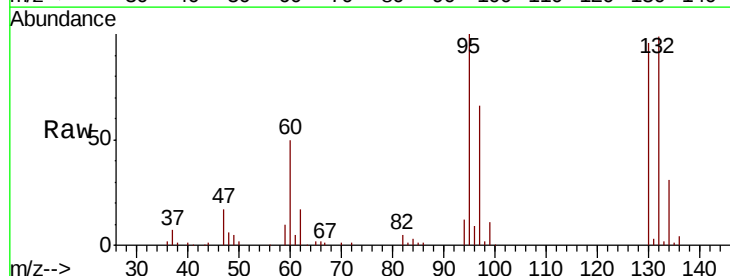
Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 87.00 (86.70 to 87.70): VW



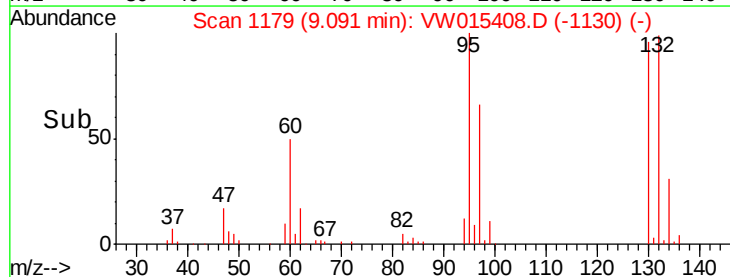
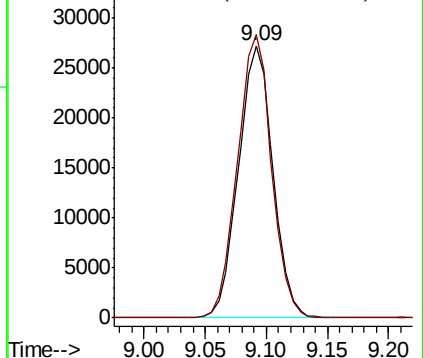
#44

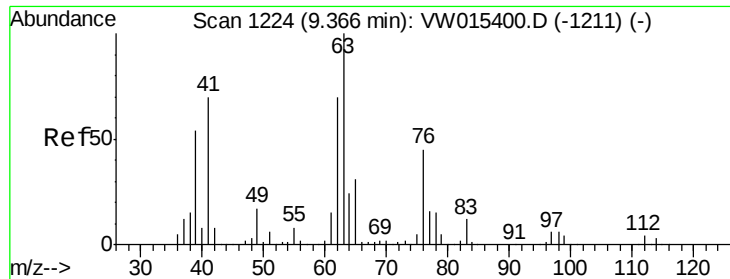
Trichloroethene
 Concen: 19.997 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW015408.D
 Acq: 06 May 2020 11:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.0	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: 20.494 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :

MSVOA_W

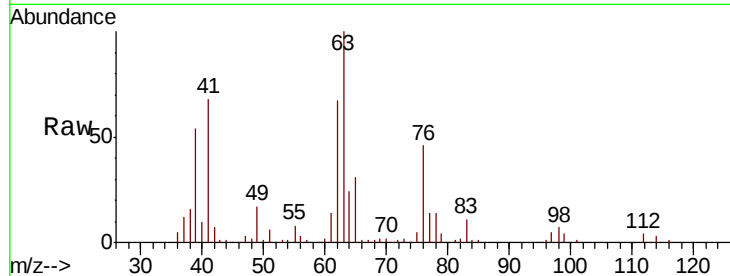
ClientSampled :

Tot Ion: 63 Resp: 51834

Ion Ratio Lower Upper

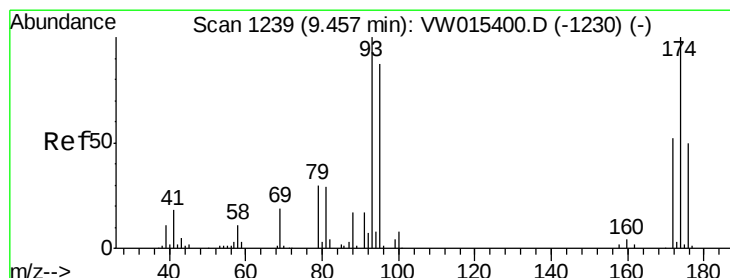
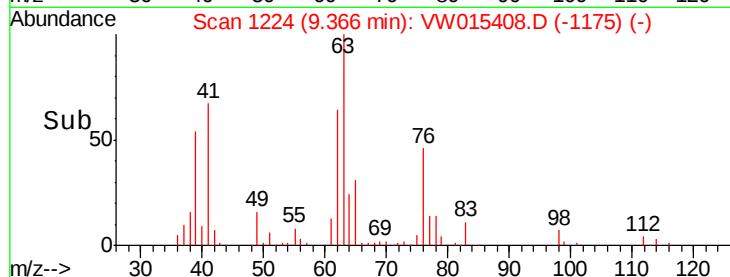
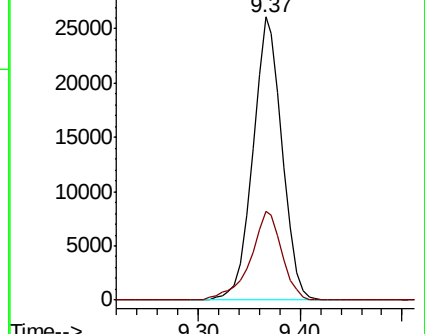
63 100

65 31.4 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: 19.977 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

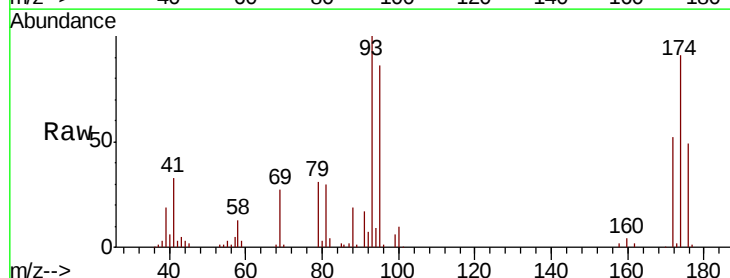
Tgt Ion: 93 Resp: 25130

Ion Ratio Lower Upper

93 100

95 84.3 67.0 100.4

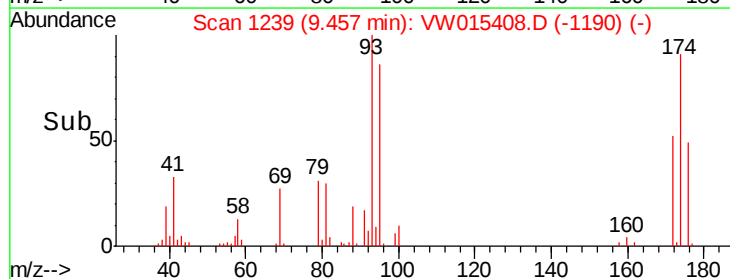
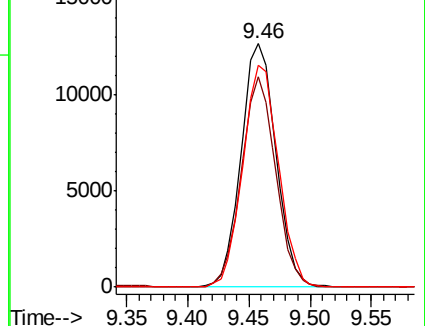
174 92.9 78.4 117.6

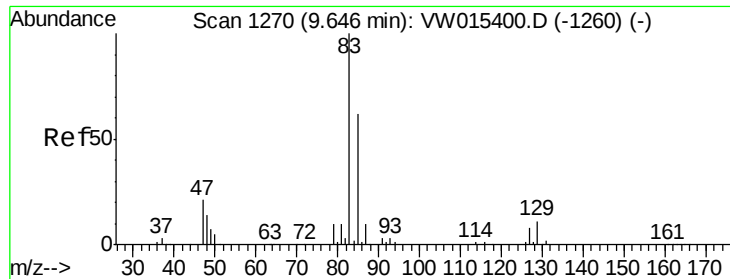


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

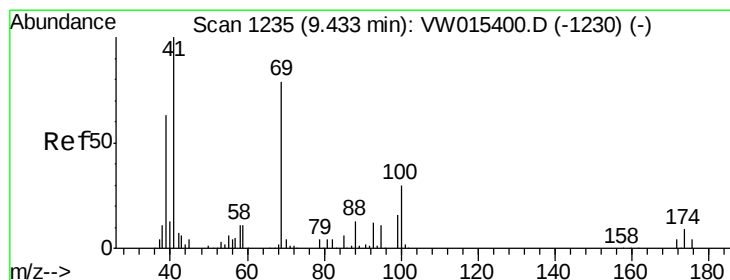
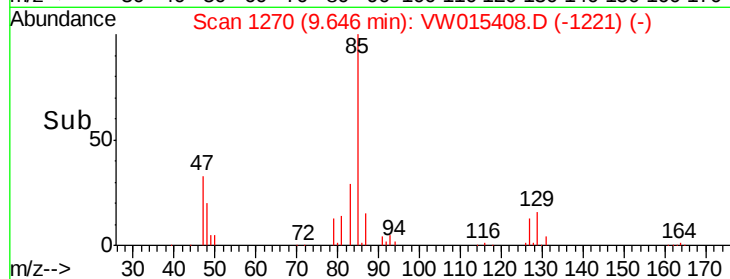
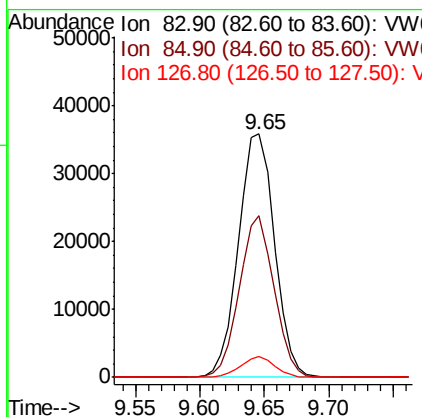
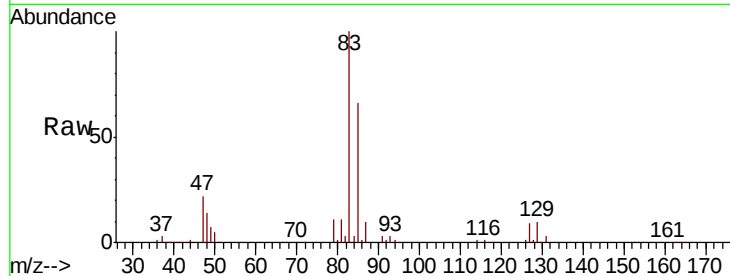




#47
 Bromodichloromethane
 Concen: 20.318 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015408.D
 Acq: 06 May 2020 11:59

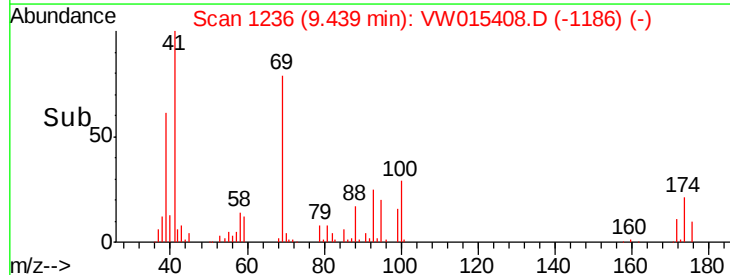
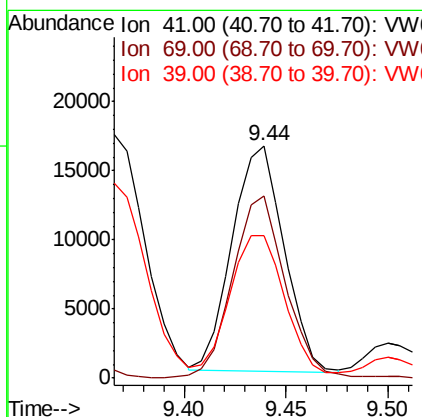
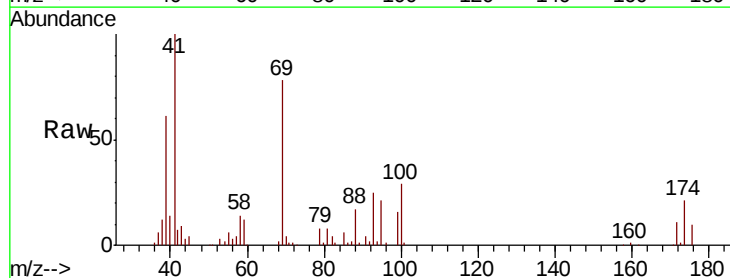
Instrument :
 MSVOA_W
 ClientSampleId :

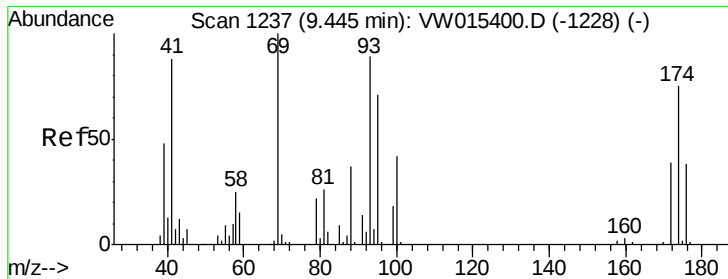
Tot Ion	83	Resp	69657
Ion Ratio	Lower	Upper	
83	100		
85	66.2	49.4	74.0
127	8.5	6.4	9.6



#48
 Methyl methacrylate
 Concen: 20.318 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VW015408.D
 Acq: 06 May 2020 11:59

Tgt Ion	41	Resp	28751
Ion Ratio	Lower	Upper	
41	100		
69	83.1	66.2	99.4
39	63.4	51.1	76.7





#49

1,4-Dioxane

Concen: 429.413 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :

MSVOA_W

ClientSampleId :

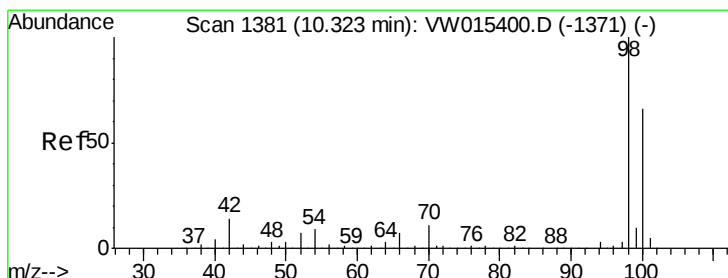
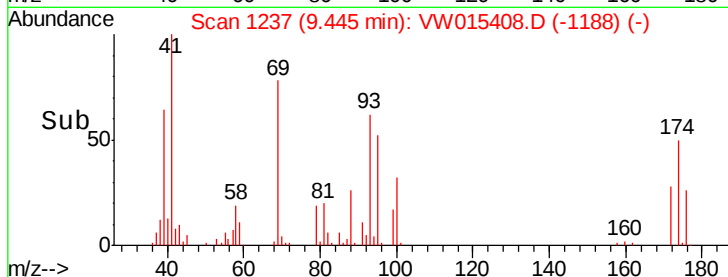
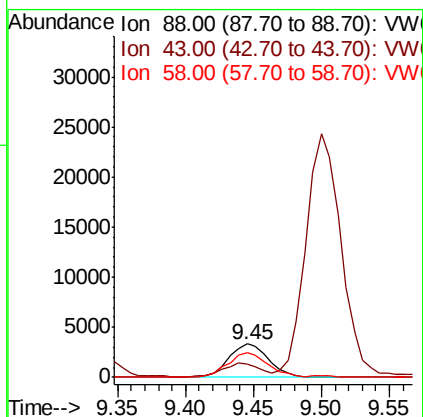
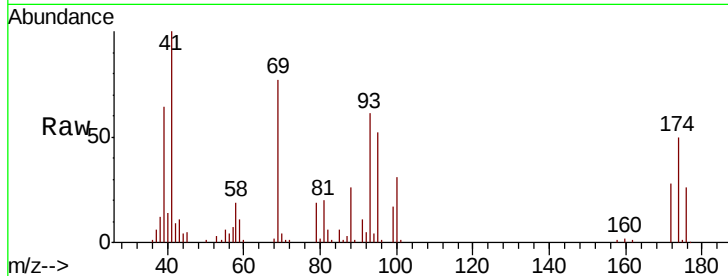
Tot Ion: 88 Resp: 6798

Ion Ratio Lower Upper

88 100

43 37.6 30.6 45.8

58 75.0 56.3 84.5



#50

Toluene-d8

Concen: 50.190 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015408.D

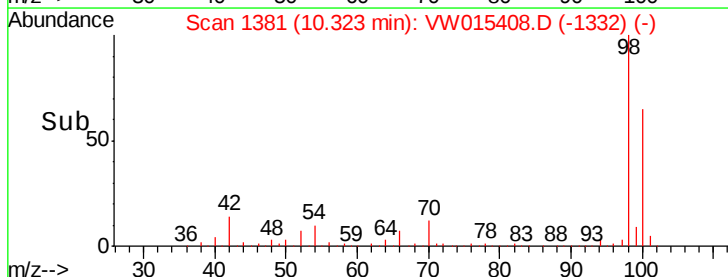
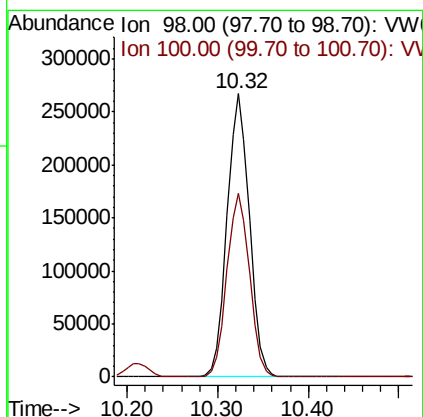
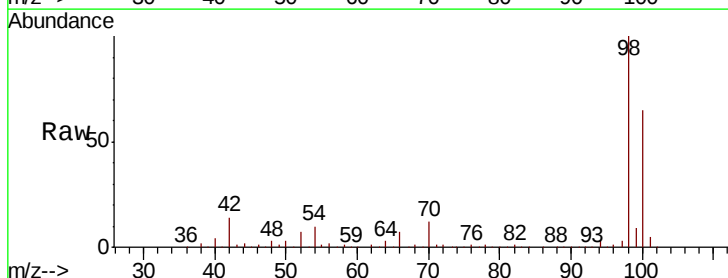
Acq: 06 May 2020 11:59

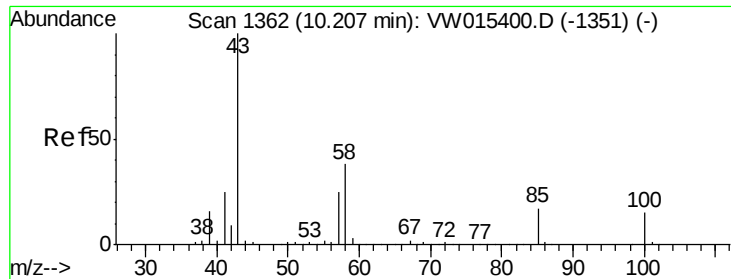
Tgt Ion: 98 Resp: 455506

Ion Ratio Lower Upper

98 100

100 65.8 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 102.779 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :

MSVOA_W

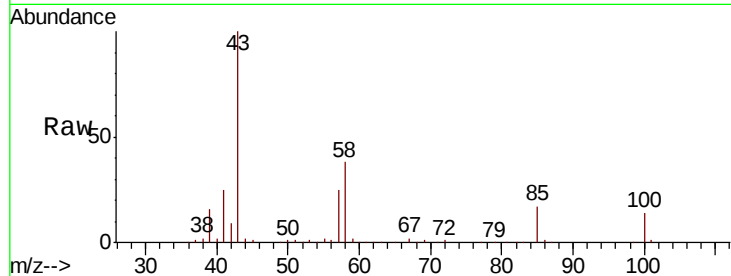
ClientSampled :

Tot Ion: 43 Resp: 147556

Ion Ratio Lower Upper

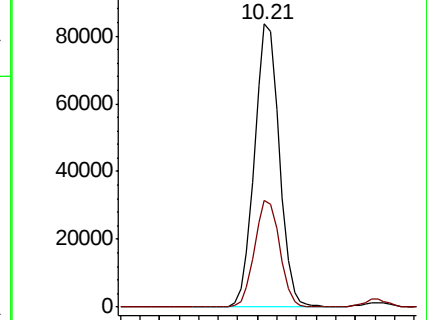
43 100

58 38.3 30.8 46.2

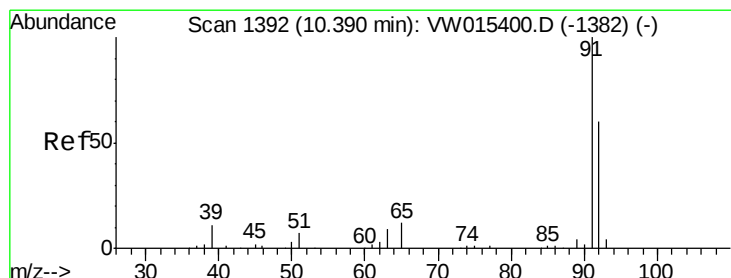
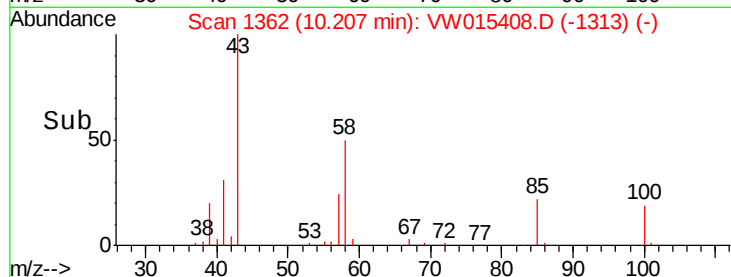


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#52

Toluene

Concen: 20.045 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015408.D

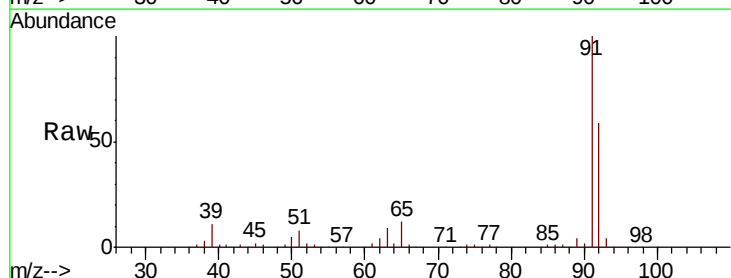
Acq: 06 May 2020 11:59

Tgt Ion: 92 Resp: 133369

Ion Ratio Lower Upper

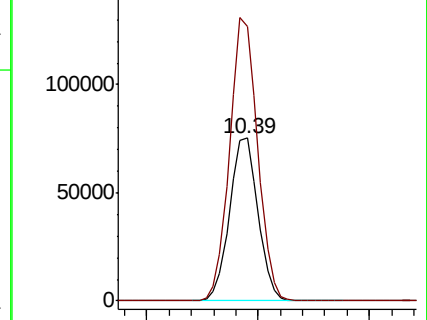
92 100

91 170.8 135.9 203.9

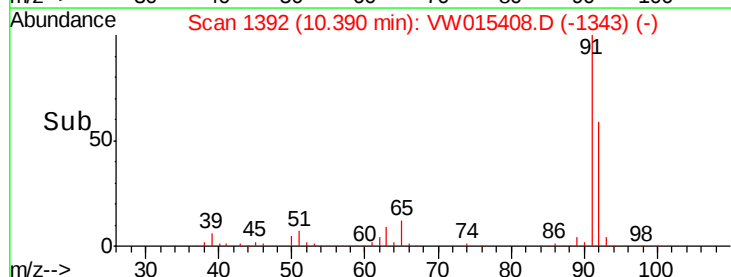


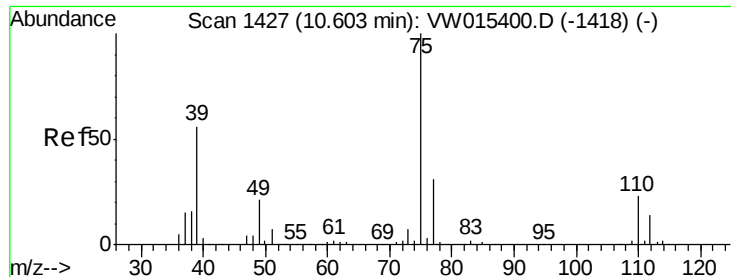
Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



Time-->

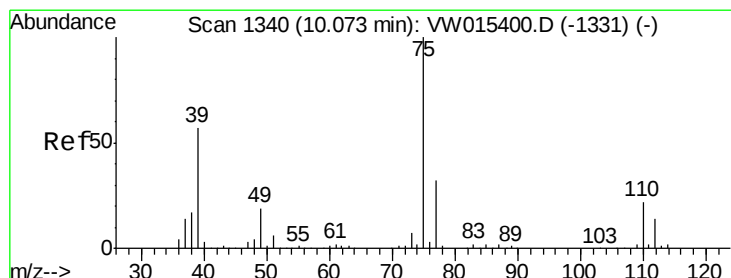
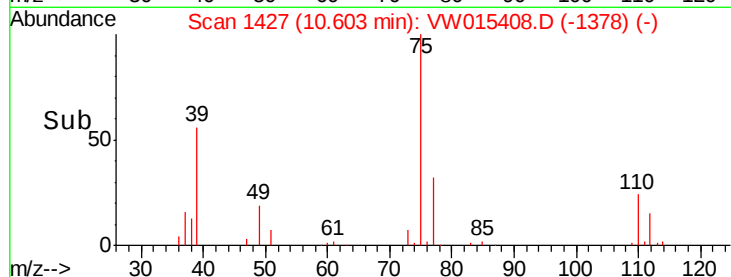
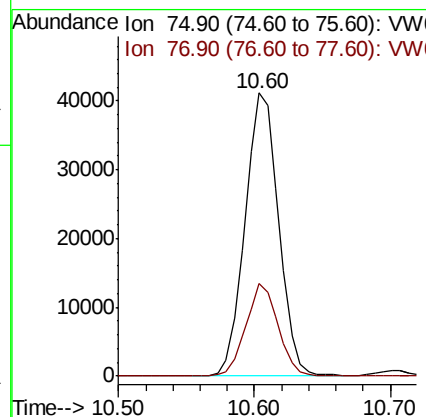
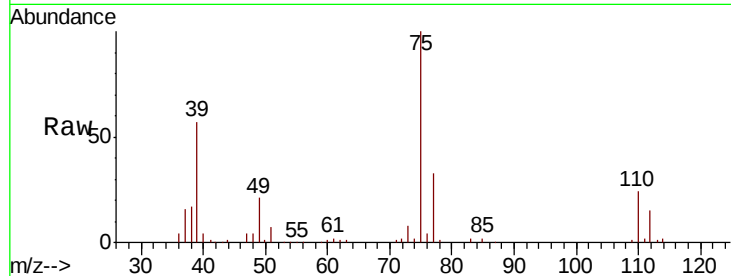




#53
 t-1,3-Dichloropropene
 Concen: 20.318 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW015408.D
 Acq: 06 May 2020 11:59

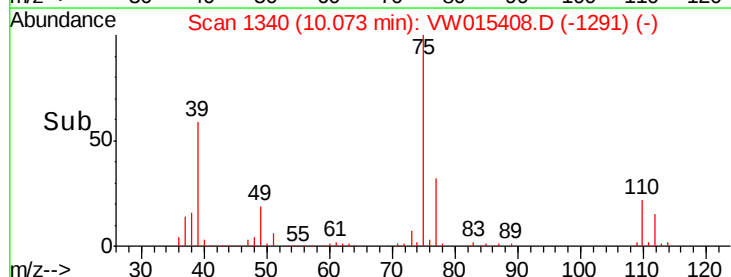
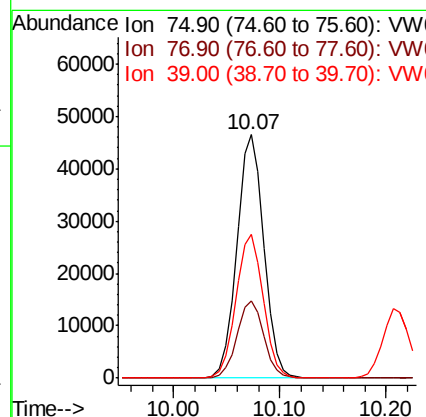
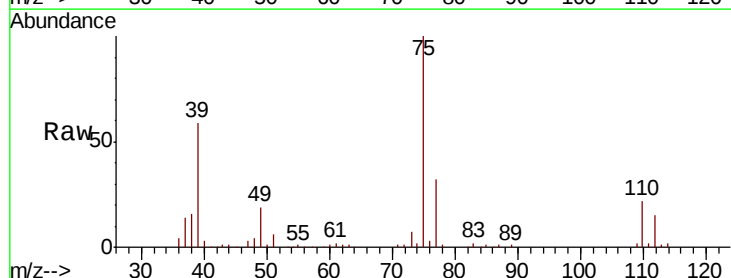
Instrument :
 MSVOA_W
 ClientSampleId :

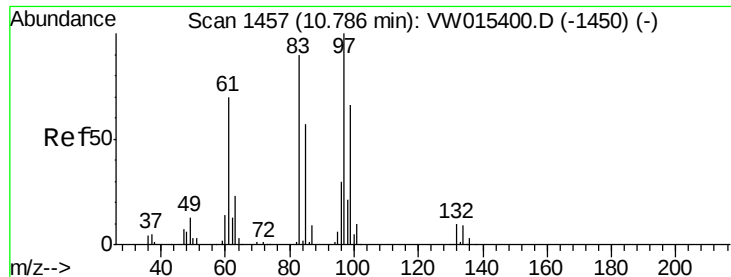
Tot Ion: 75 Resp: 71099
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 20.031 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015408.D
 Acq: 06 May 2020 11:59

Tgt Ion: 75 Resp: 82534
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.6 38.4
 39 59.3 45.6 68.4





#55

1,1,2-Trichloroethane

Concen: 19.762 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 35154

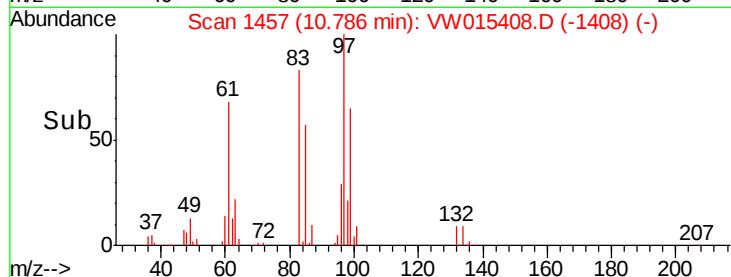
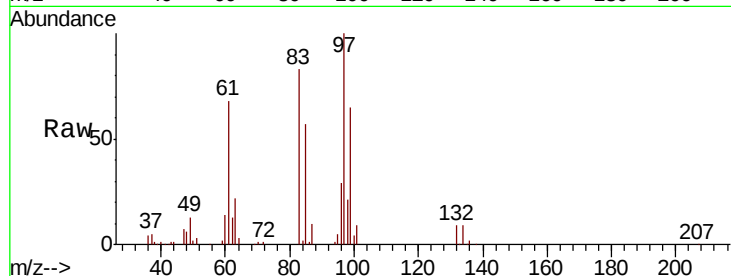
Ion Ratio Lower Upper

97 100

83 83.0 72.2 108.4

85 57.2 45.2 67.8

99 65.5 52.6 78.8



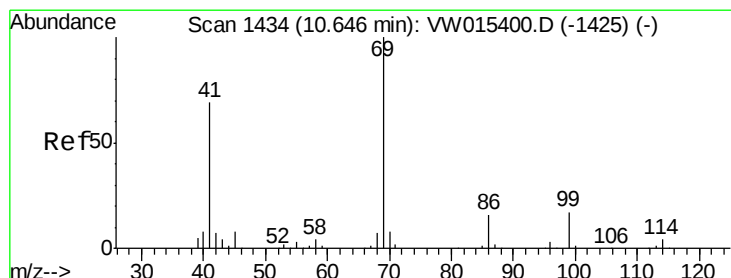
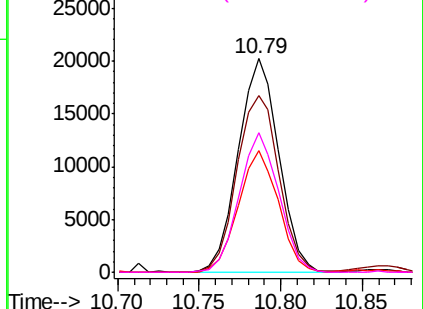
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 19.835 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

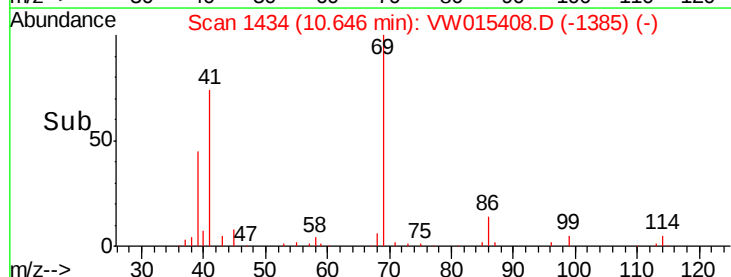
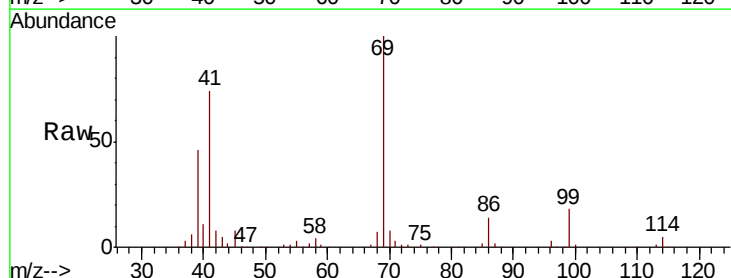
Tgt Ion: 69 Resp: 48478

Ion Ratio Lower Upper

69 100

41 71.6 55.3 82.9

39 41.3 31.9 47.9

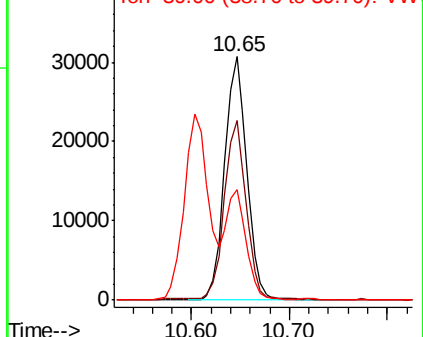


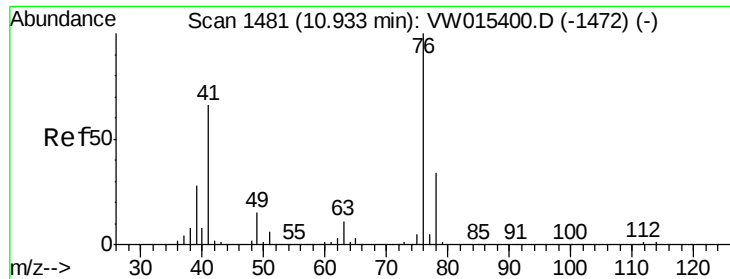
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

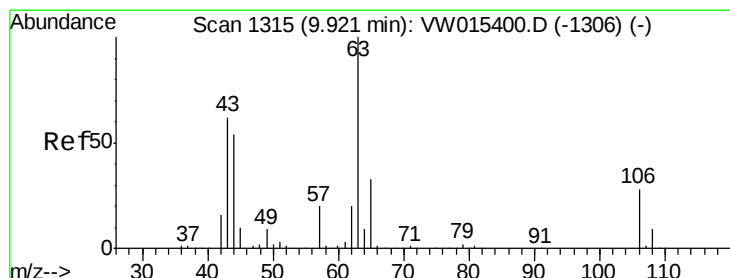
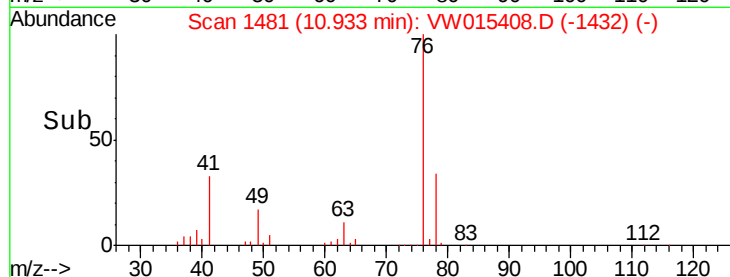
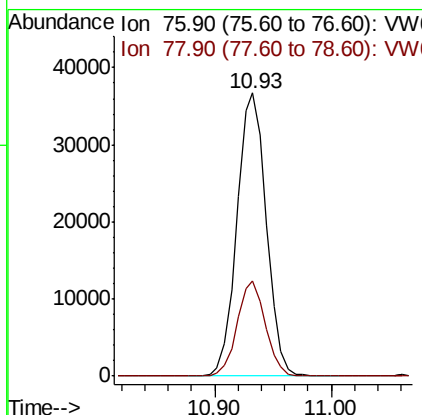
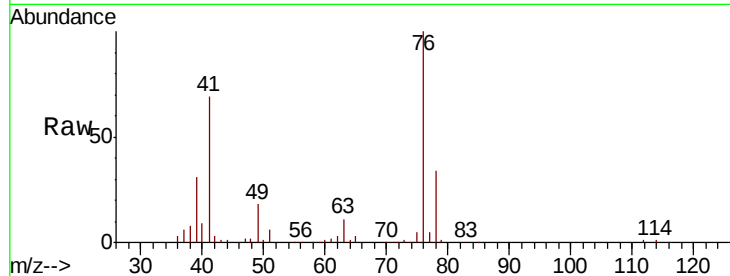




#57
 1,3-Dichloropropane
 Concen: 20.096 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW015408.D
 Acq: 06 May 2020 11:59

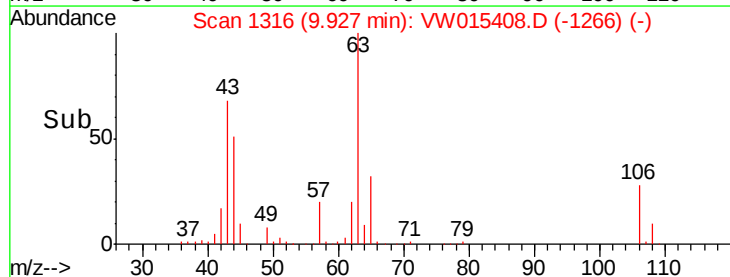
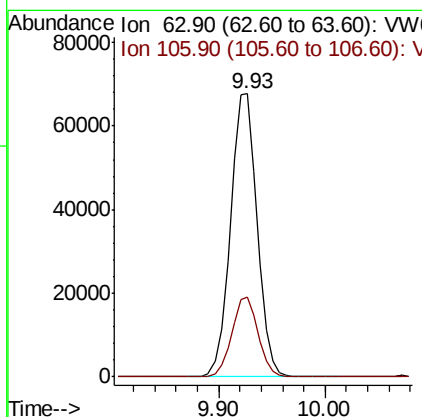
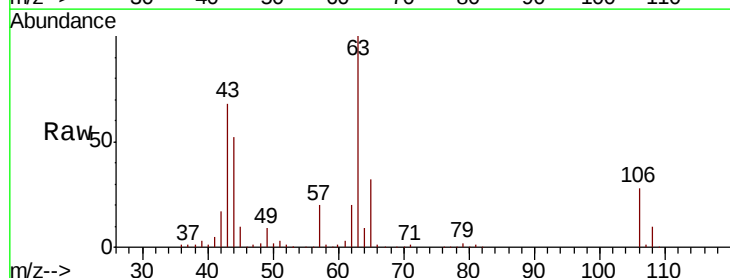
Instrument :
 MSVOA_W
 ClientSampleId :

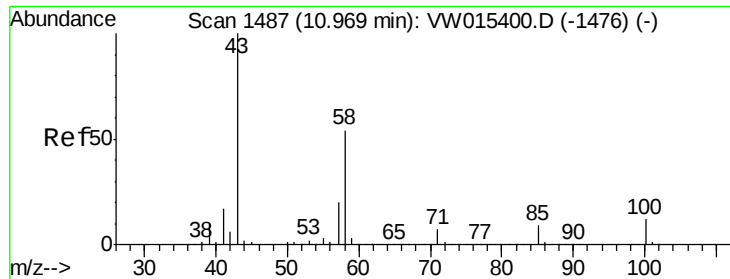
Tot Ion: 76 Resp: 64275
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.829 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW015408.D
 Acq: 06 May 2020 11:59

Tgt Ion: 63 Resp: 118704
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.6 33.8

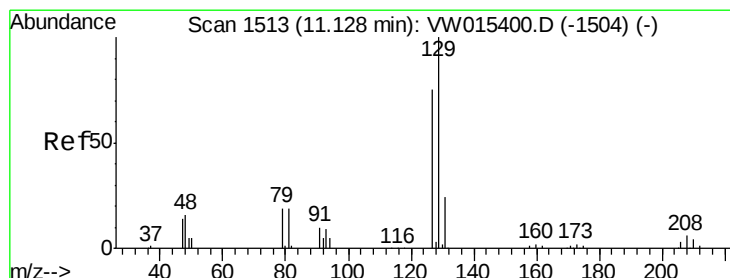
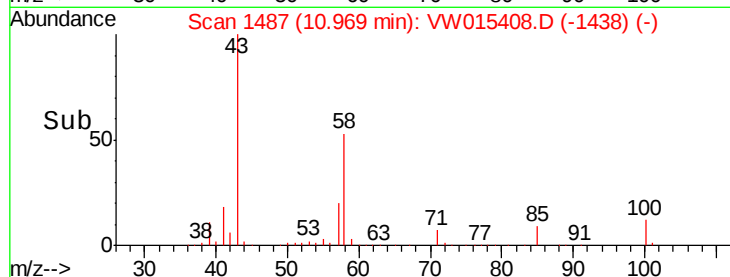
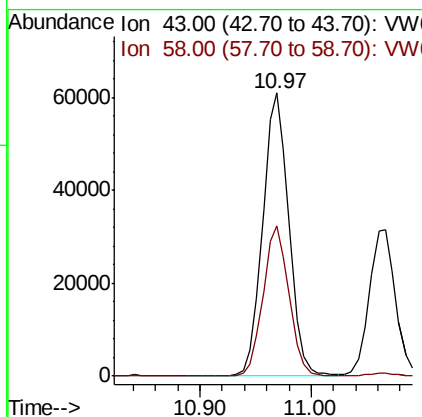
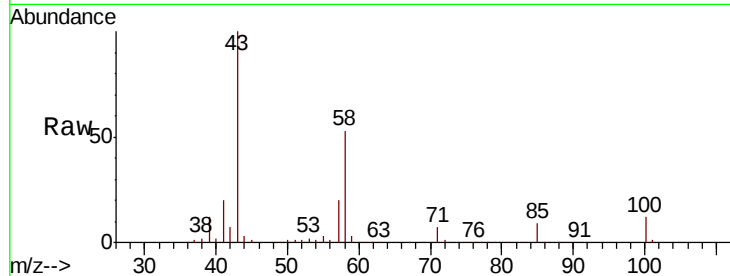




#59
2-Hexanone
Concen: 103.077 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

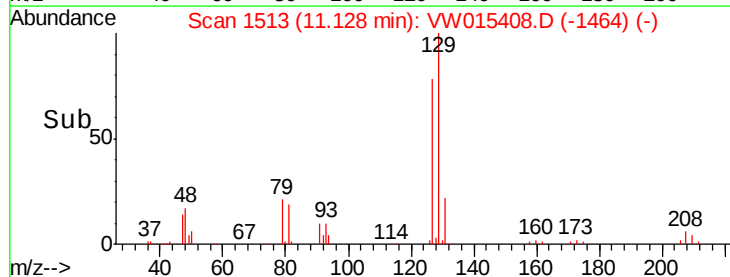
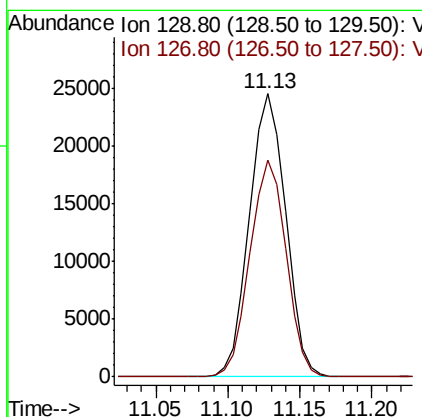
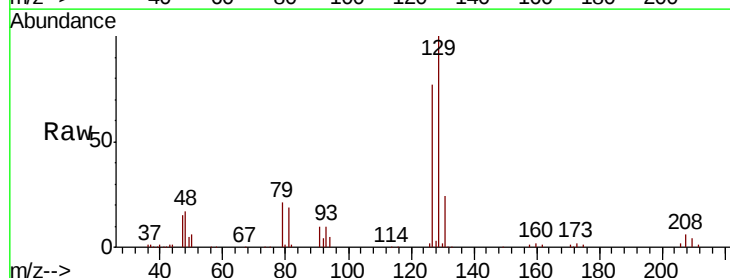
Instrument :
MSVOA_W
ClientSampleId :

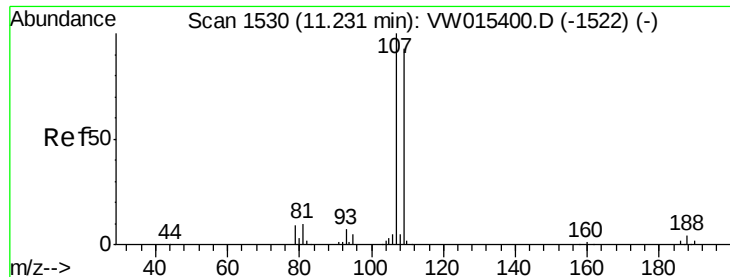
Tot Ion: 43 Resp: 100130
Ion Ratio Lower Upper
43 100
58 52.8 26.7 80.0



#60
Dibromochloromethane
Concen: 20.028 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

Tgt Ion: 129 Resp: 42849
Ion Ratio Lower Upper
129 100
127 76.3 39.1 117.2

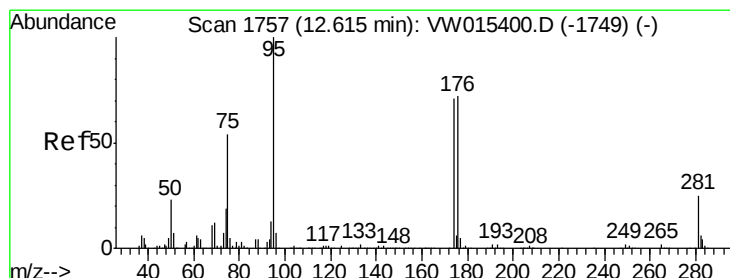
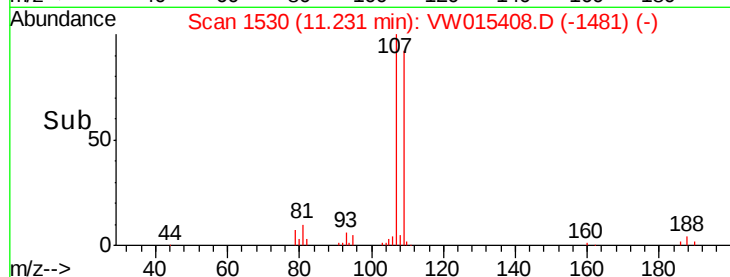
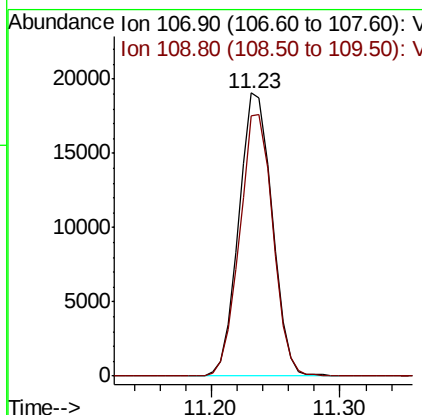
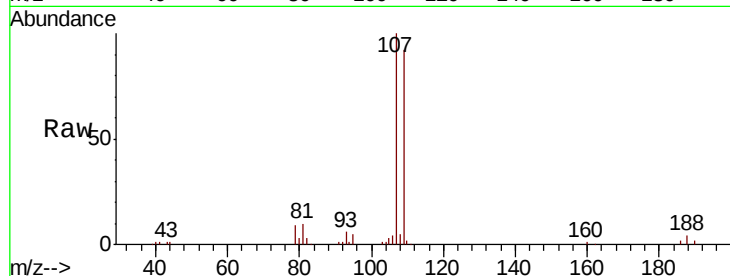




#61
 1,2-Dibromoethane
 Concen: 20.299 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW015408.D
 Acq: 06 May 2020 11:59

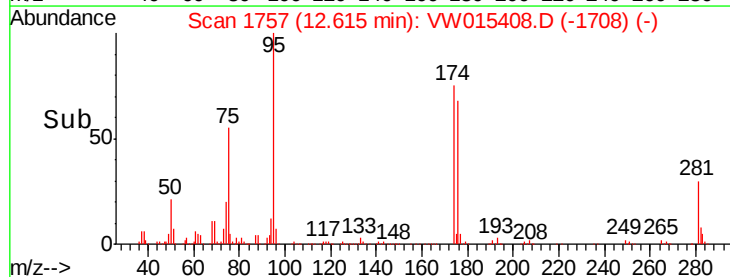
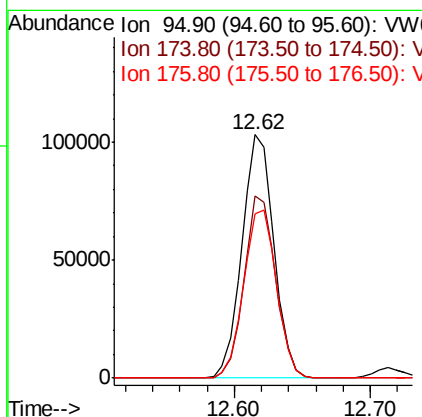
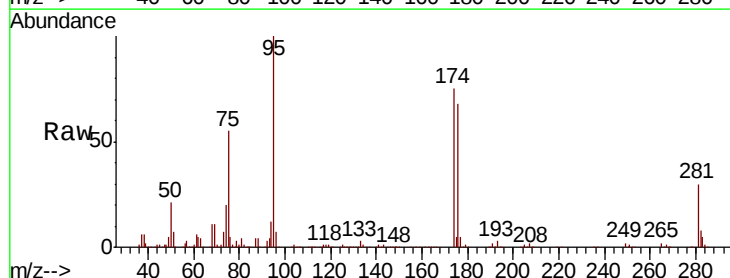
Instrument :
 MSVOA_W
 ClientSampleId :

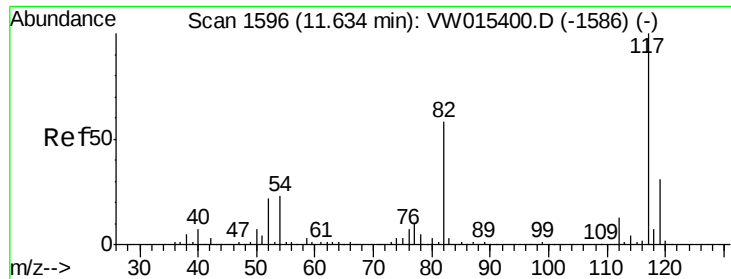
Tot Ion:107 Resp: 34190
 Ion Ratio Lower Upper
 107 100
 109 92.3 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 50.334 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW015408.D
 Acq: 06 May 2020 11:59

Tgt Ion: 95 Resp: 168681
 Ion Ratio Lower Upper
 95 100
 174 73.9 0.0 147.6
 176 71.4 0.0 144.4

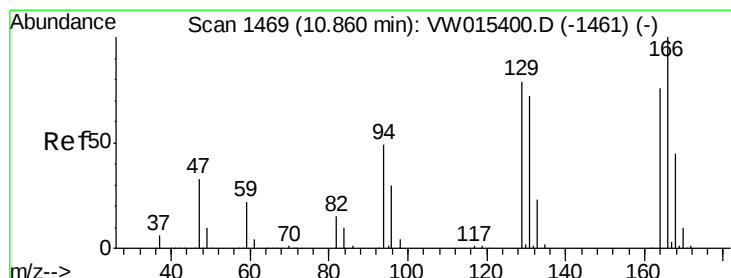
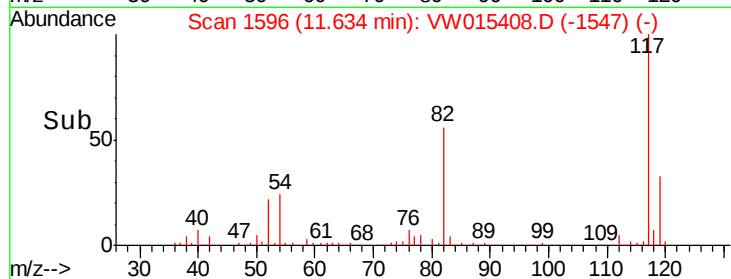
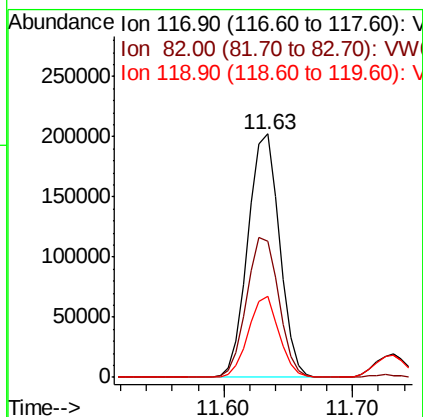
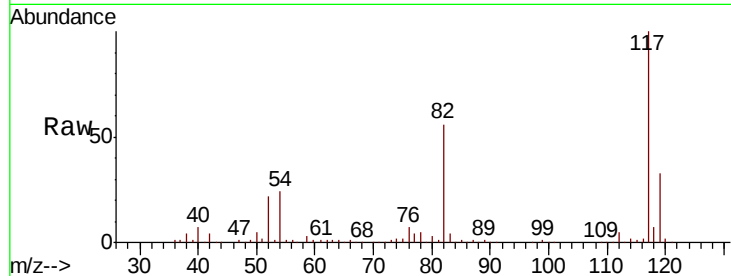




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

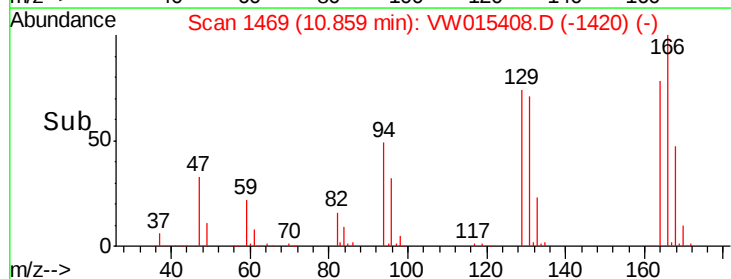
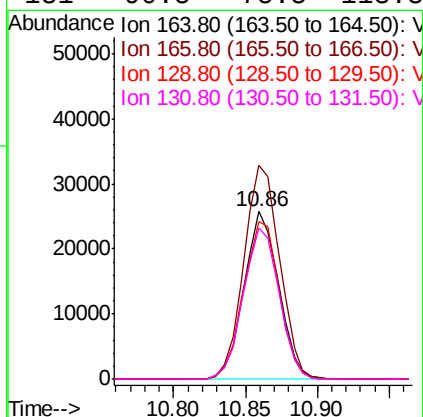
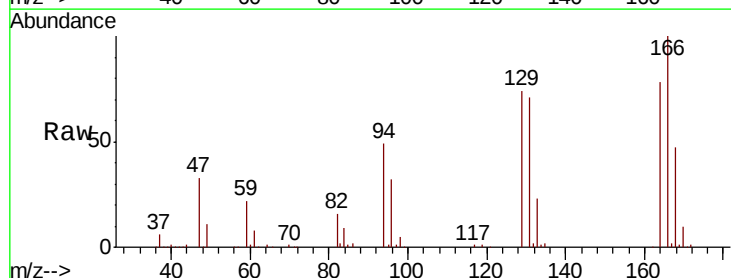
Instrument :
MSVOA_W
ClientSampled :

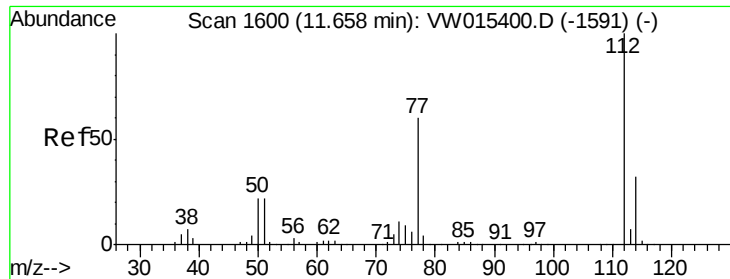
Tot Ion:117 Resp: 343080
Ion Ratio Lower Upper
117 100
82 55.7 46.4 69.6
119 33.3 24.6 37.0



#64
Tetrachloroethene
Concen: 20.372 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

Tgt Ion:164 Resp: 42720
Ion Ratio Lower Upper
164 100
166 127.6 104.9 157.3
129 93.9 82.7 124.1
131 90.5 75.5 113.3

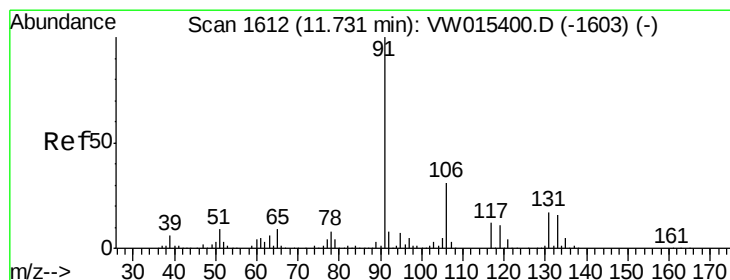
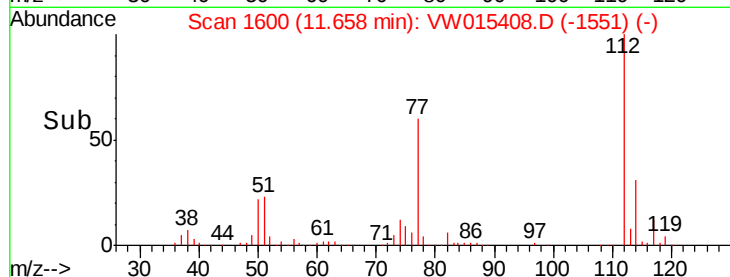
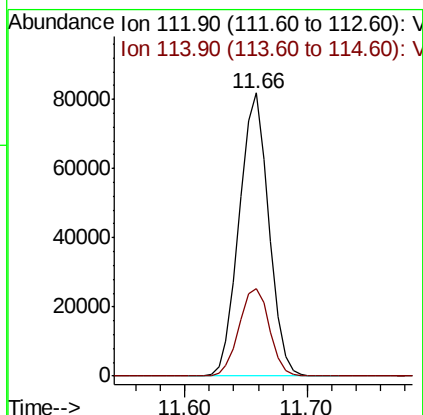
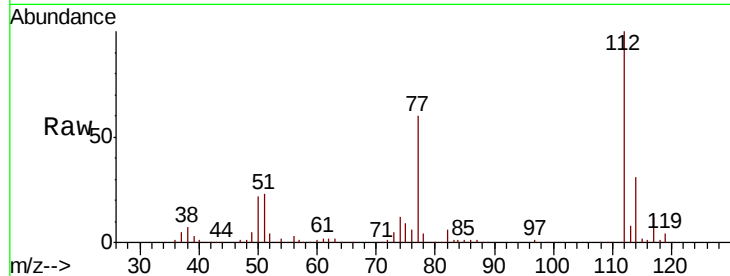




#65
Chlorobenzene
Concen: 20.242 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

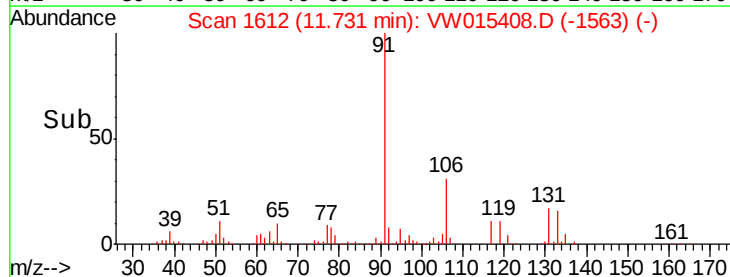
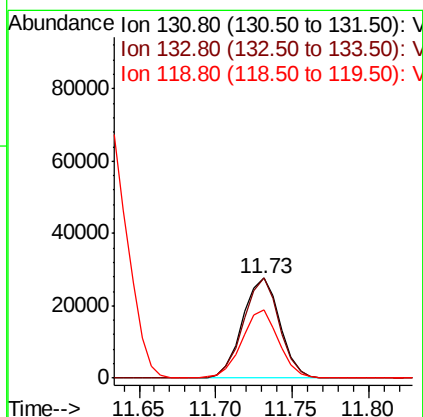
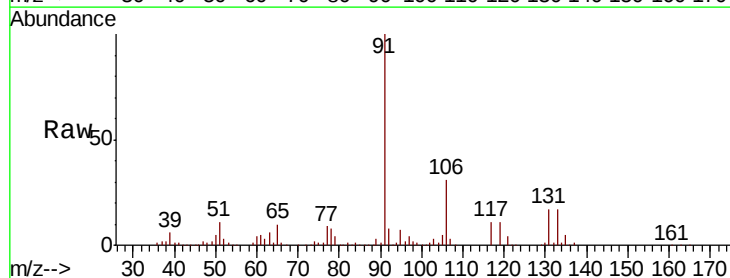
Instrument :
MSVOA_W
ClientSampleId :

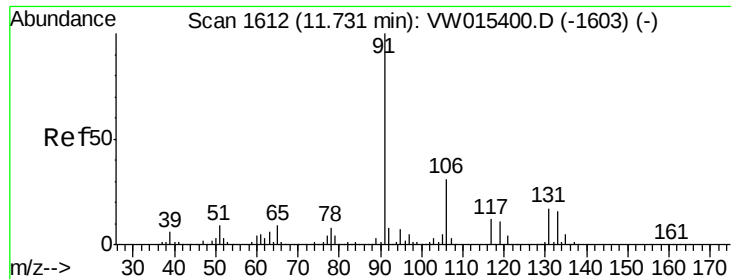
Tot Ion:112 Resp: 136922
Ion Ratio Lower Upper
112 100
114 31.1 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.676 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

Tgt Ion:131 Resp: 47189
Ion Ratio Lower Upper
131 100
133 96.0 47.9 143.8
119 66.7 33.0 99.0

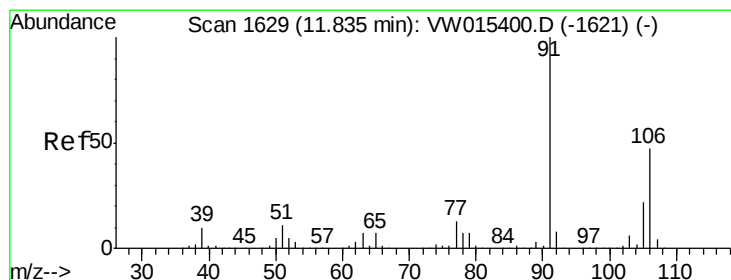
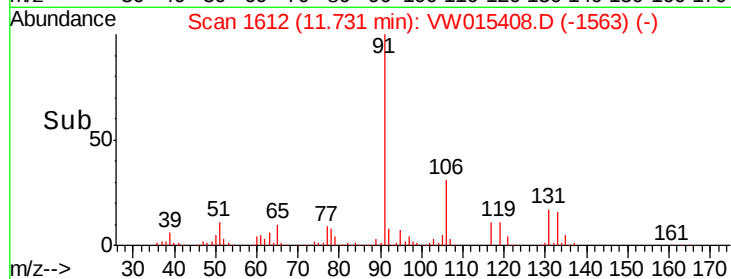
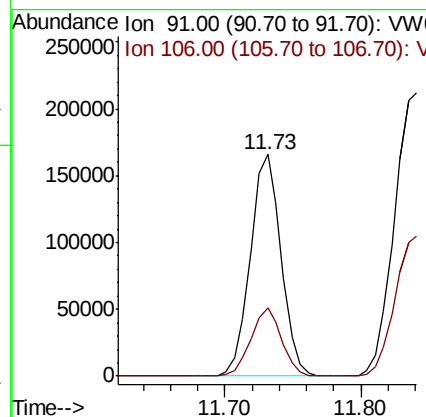
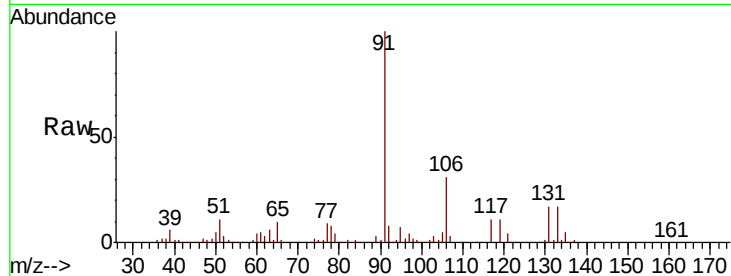




#67
Ethyl Benzene
Concen: 20.285 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

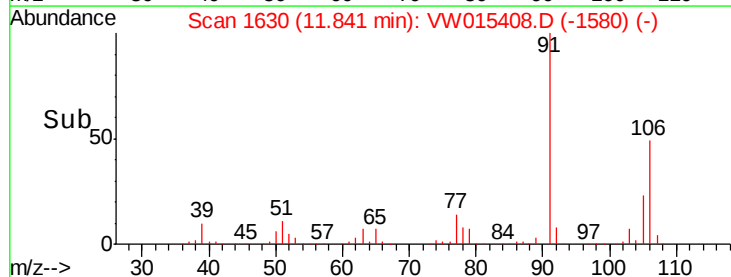
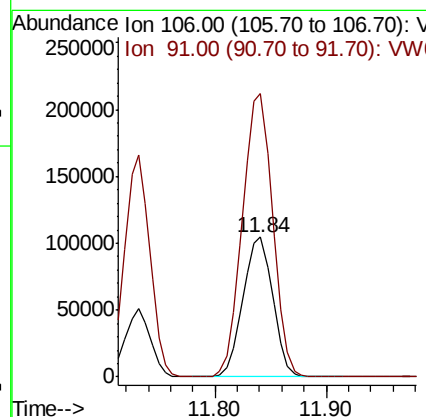
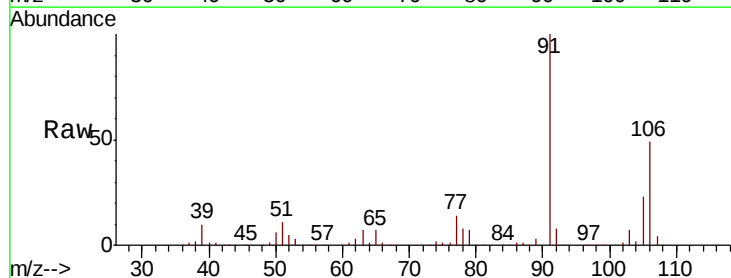
Instrument :
MSVOA_W
ClientSampled :

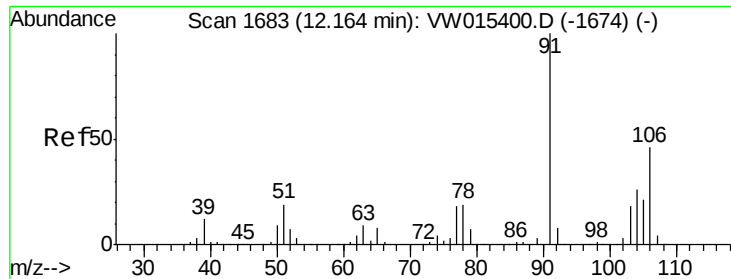
Tot Ion: 91 Resp: 262635
Ion Ratio Lower Upper
91 100
106 30.9 25.2 37.8



#68
m/p-Xylenes
Concen: 40.484 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

Tgt Ion: 106 Resp: 194882
Ion Ratio Lower Upper
106 100
91 205.1 165.7 248.5

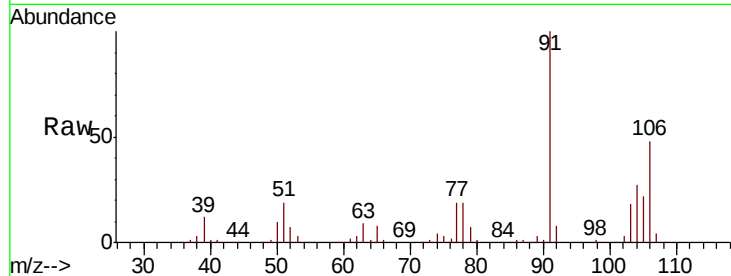




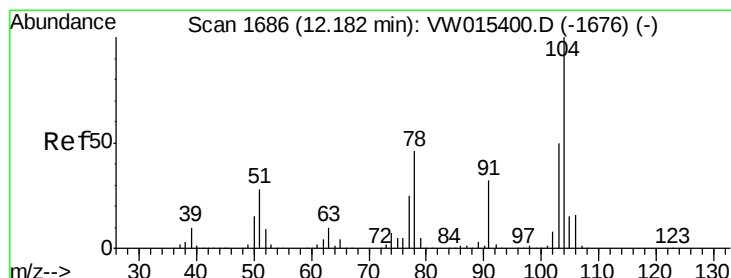
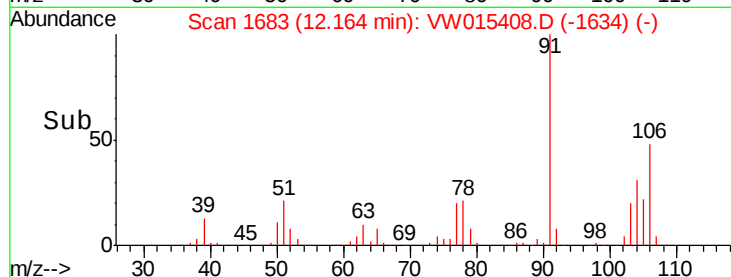
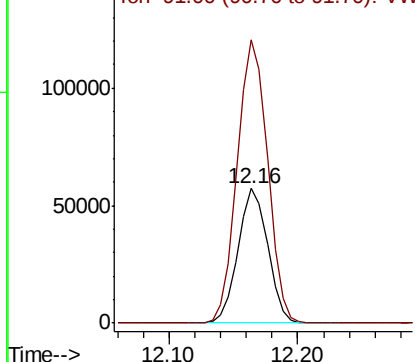
#69
o-Xylene
Concen: 20.265 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 91671
Ion Ratio Lower Upper
106 100
91 215.2 109.0 327.0

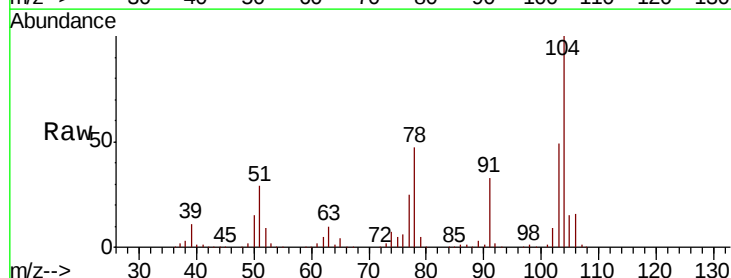


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

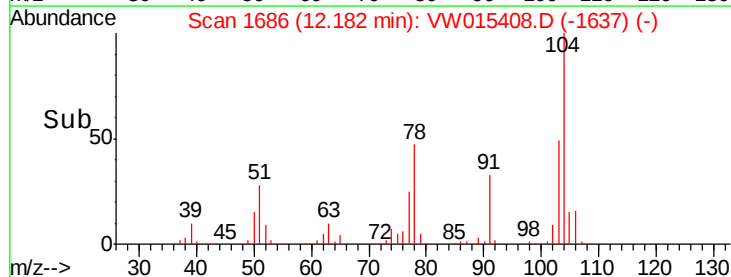
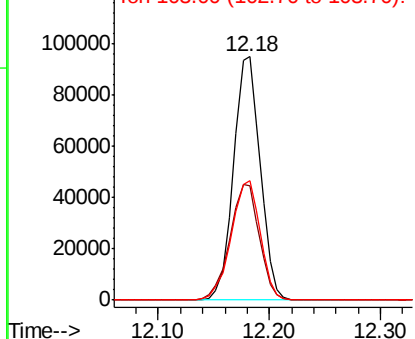


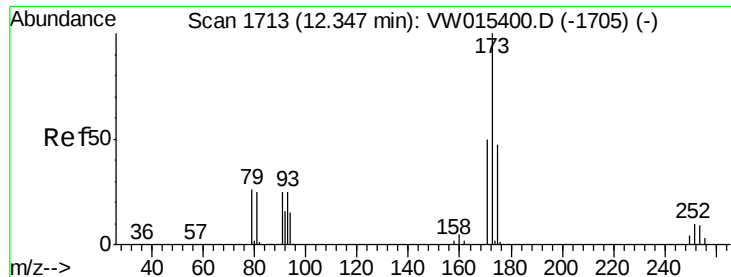
#70
Styrene
Concen: 20.249 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

Tgt Ion:104 Resp: 157752
Ion Ratio Lower Upper
104 100
78 52.2 41.8 62.8
103 53.5 43.6 65.4



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





#71

Bromoform

Concen: 20.277 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :

MSVOA_W

ClientSampleId :

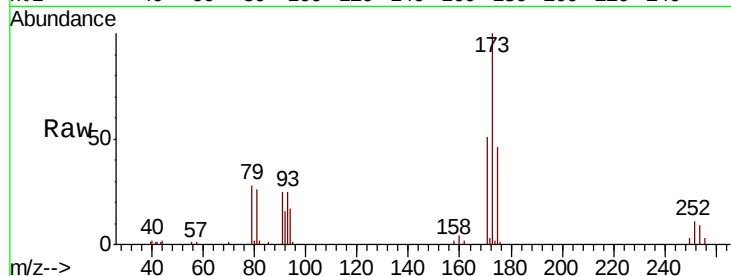
Tot Ion:173 Resp: 23716

Ion Ratio Lower Upper

173 100

175 49.3 23.8 71.4

254 0.0 0.0 0.0

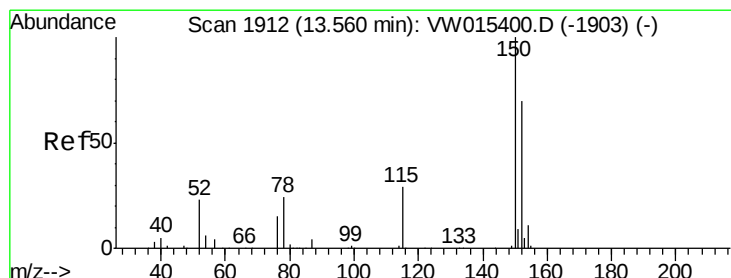
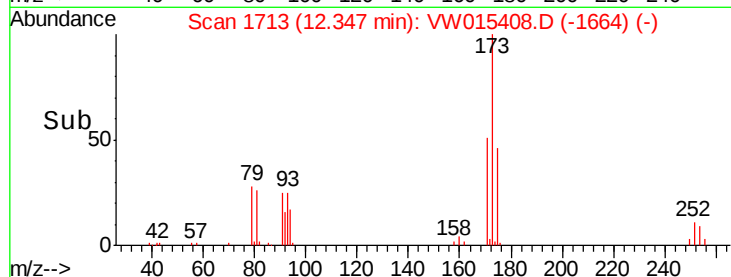
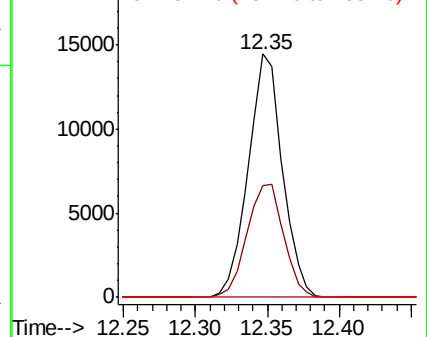


Abundance

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: VW015408.D

Acq: 06 May 2020 11:59

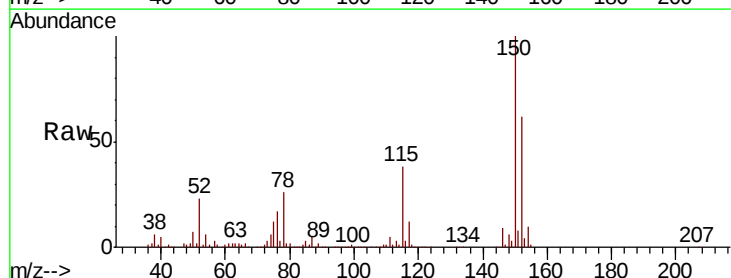
Tgt Ion:152 Resp: 169930

Ion Ratio Lower Upper

152 100

115 61.9 30.3 90.8

150 166.9 0.0 344.4

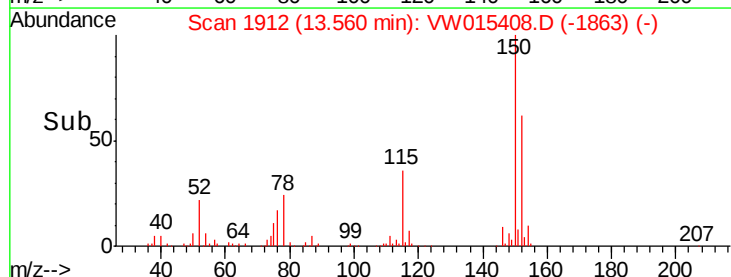
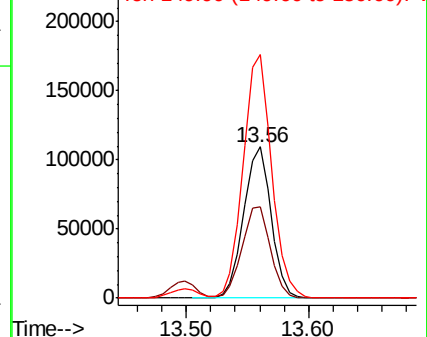


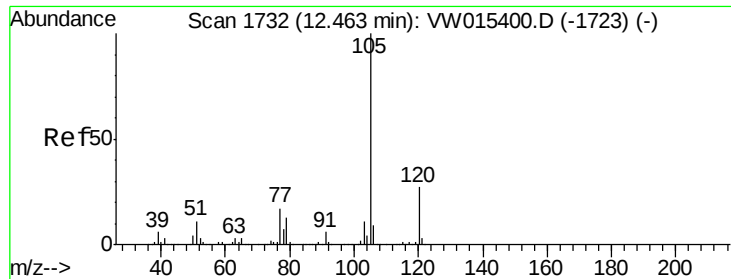
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

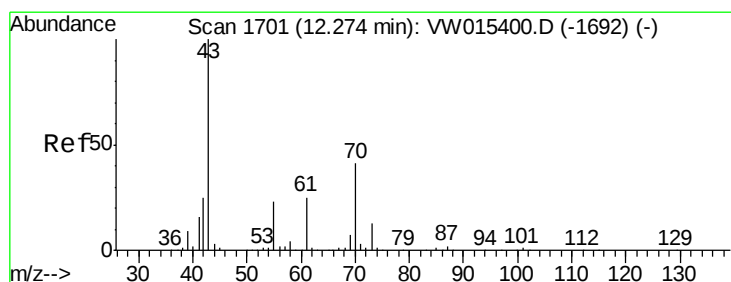
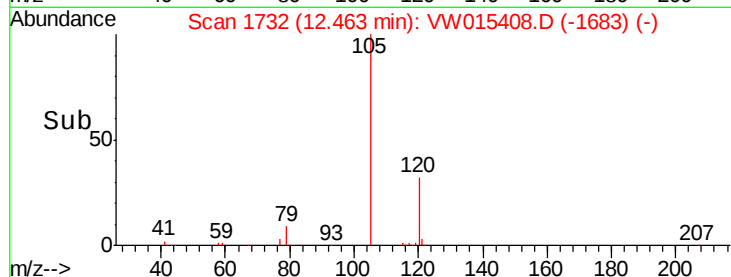
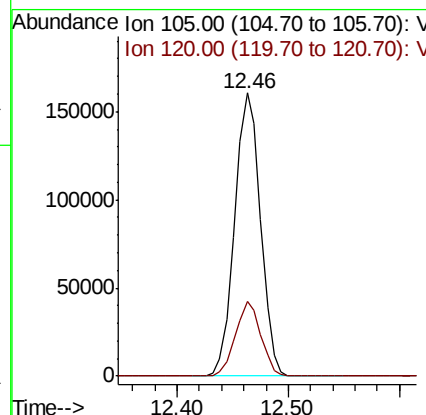
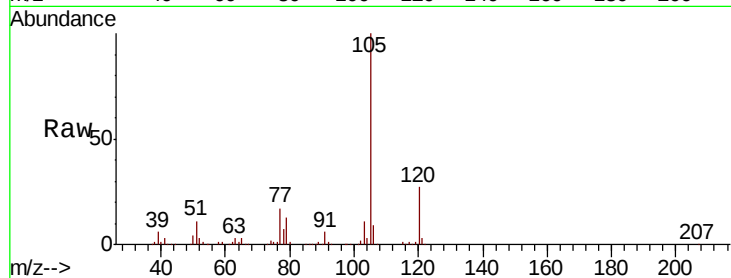




#73
Isopropylbenzene
Concen: 20.275 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

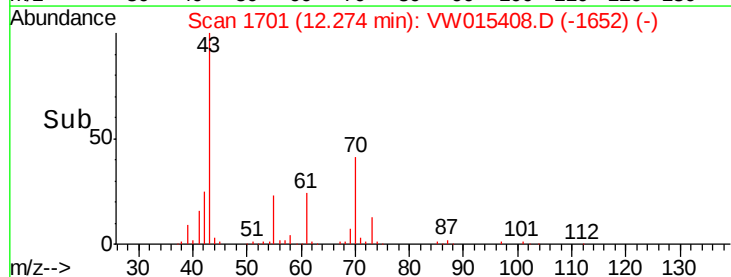
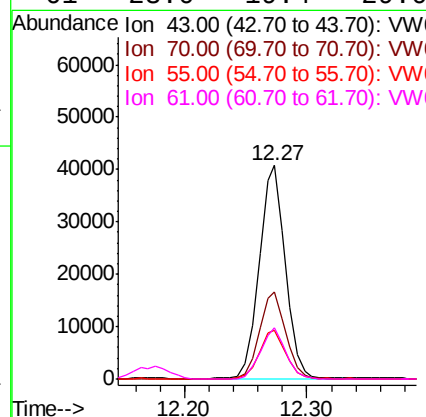
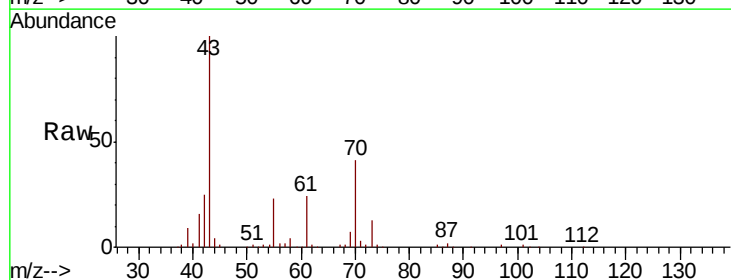
Instrument :
MSVOA_W
ClientSampleId :

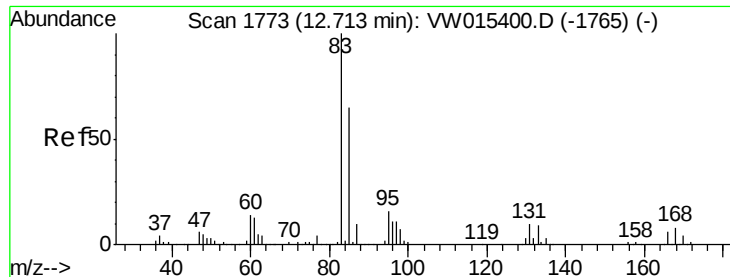
Tot Ion: 105 Resp: 257218
Ion Ratio Lower Upper
105 100
120 25.8 13.1 39.3



#74
N-ethyl acetate
Concen: 20.403 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

Tgt Ion: 43 Resp: 61184
Ion Ratio Lower Upper
43 100
70 40.8 33.4 50.0
55 23.2 18.9 28.3
61 23.0 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.476 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :

MSVOA_W

ClientSampleId :

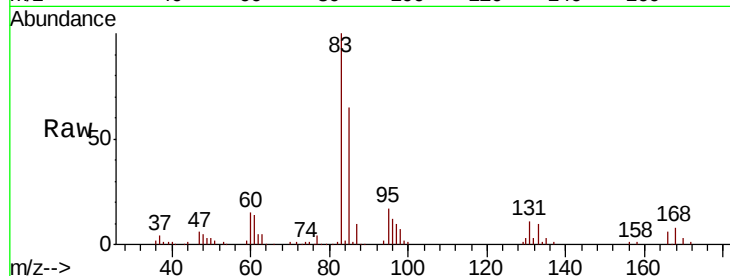
Tot Ion: 83 Resp: 40636

Ion Ratio Lower Upper

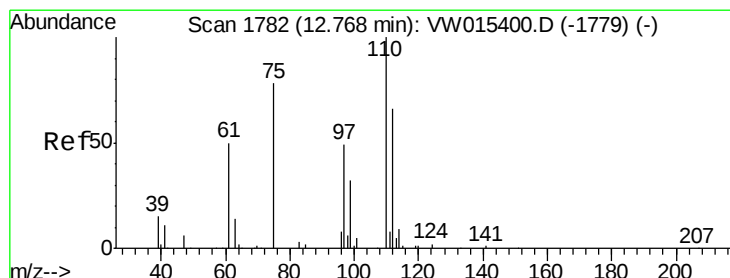
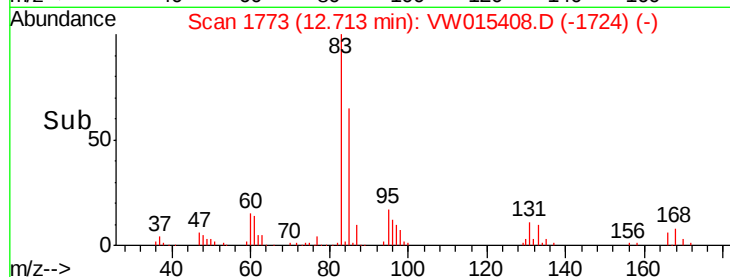
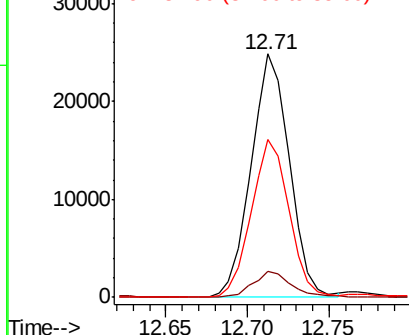
83 100

131 10.6 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: 39.795 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015408.D

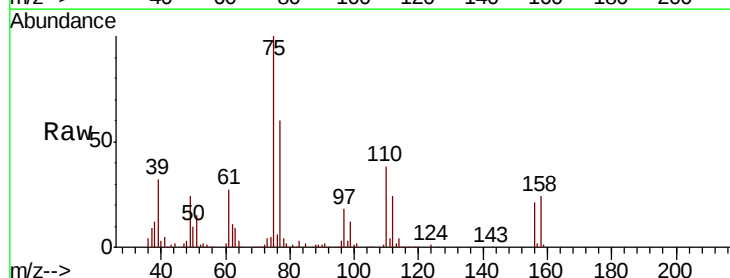
Acq: 06 May 2020 11:59

Tgt Ion: 75 Resp: 55630

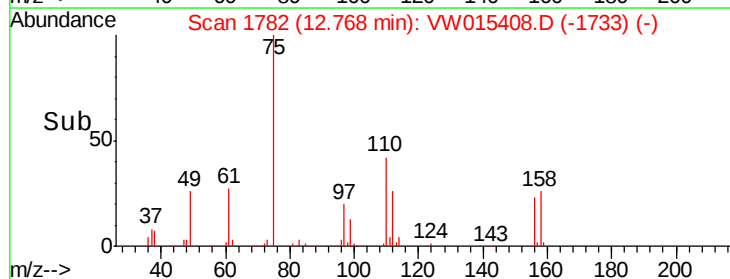
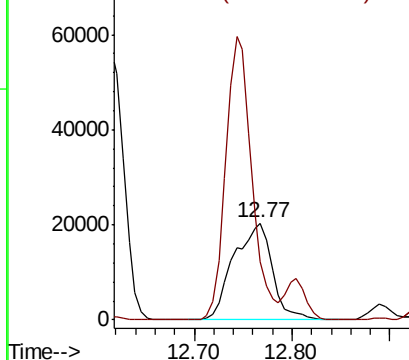
Ion Ratio Lower Upper

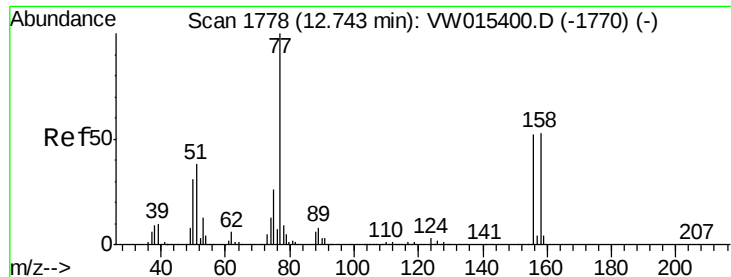
75 100

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

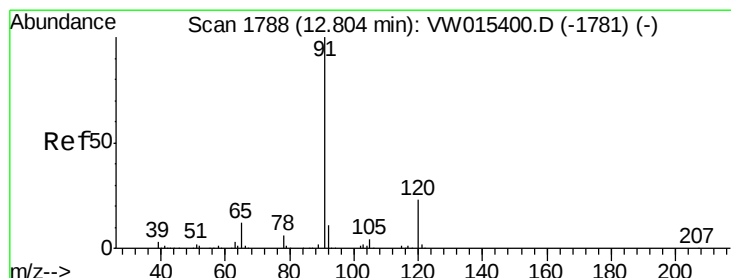
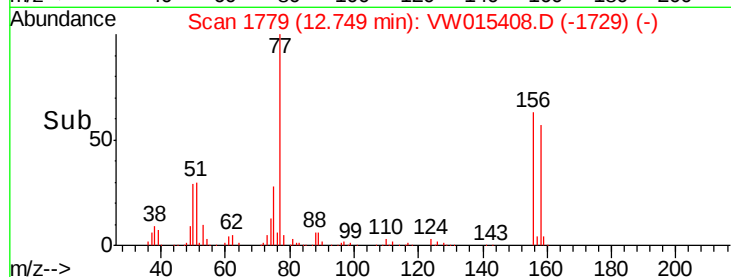
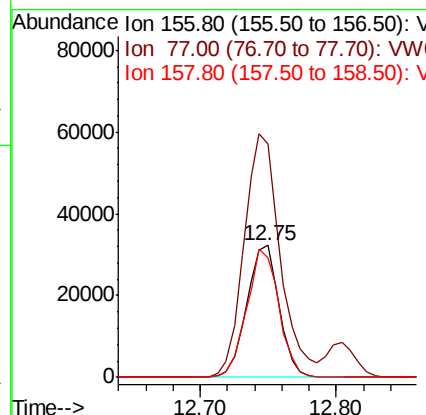
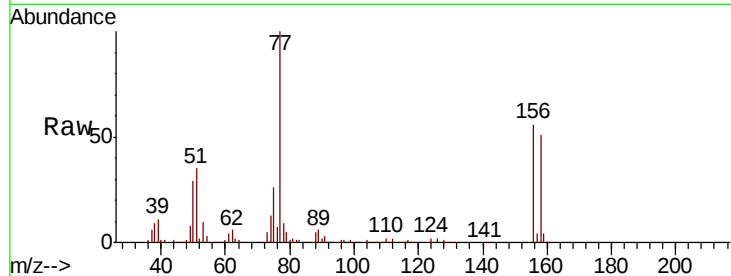




#77
Bromobenzene
Concen: 19.941 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.01 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

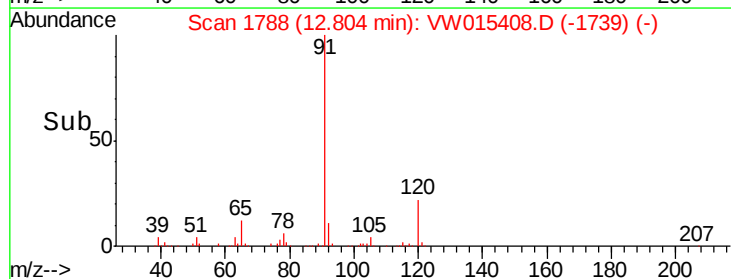
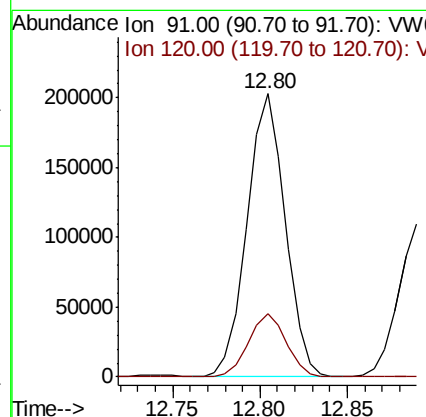
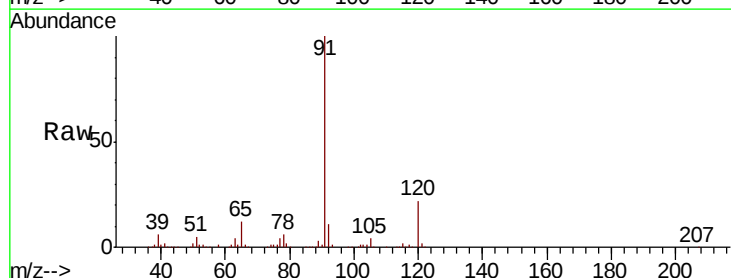
Instrument :
MSVOA_W
ClientSampled :

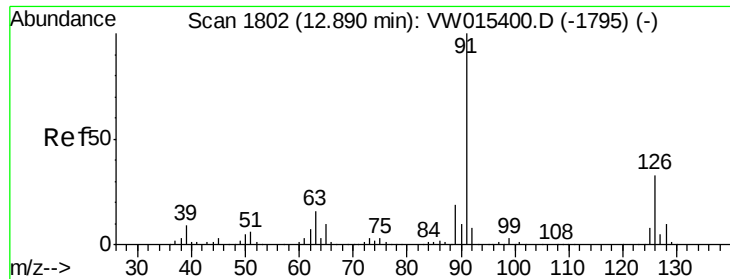
Tot Ion:156 Resp: 53611
Ion Ratio Lower Upper
156 100
77 206.4 101.8 305.6
158 96.6 48.3 144.8



#78
n-propylbenzene
Concen: 20.189 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW015408.D
Acq: 06 May 2020 11:59

Tgt Ion: 91 Resp: 307296
Ion Ratio Lower Upper
91 100
120 22.2 11.2 33.6





#79

2-Chlorotoluene

Concen: 20.390 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :

MSVOA_W

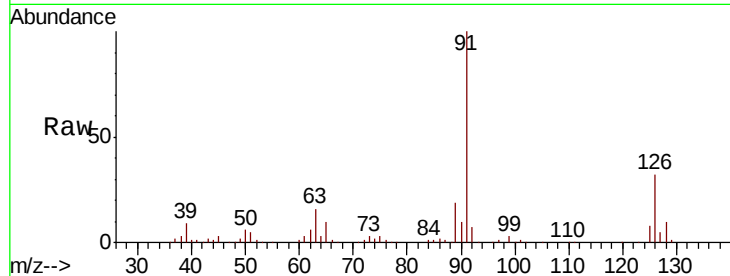
ClientSampleId :

Tot Ion: 91 Resp: 174947

Ion Ratio Lower Upper

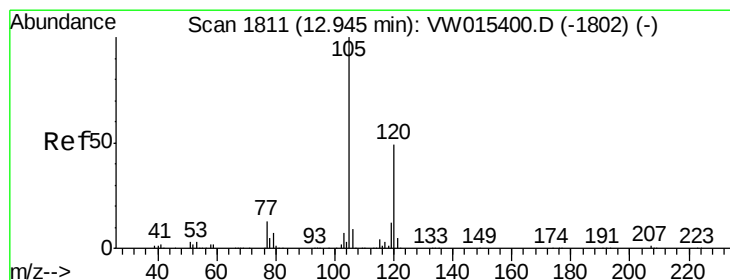
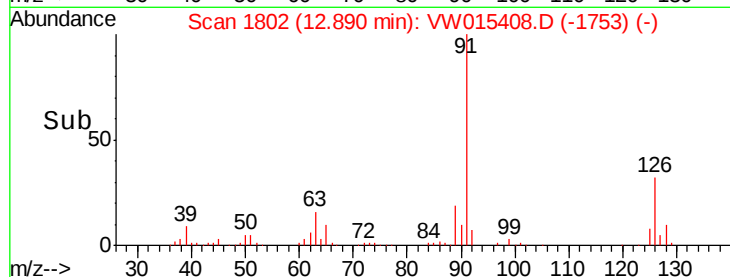
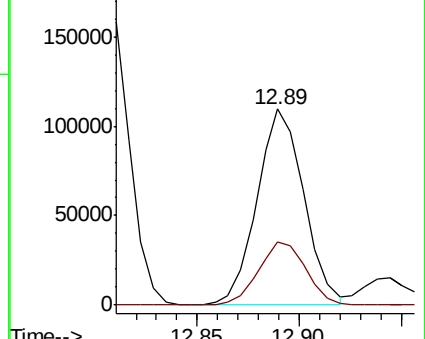
91 100

126 32.7 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: 20.670 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW015408.D

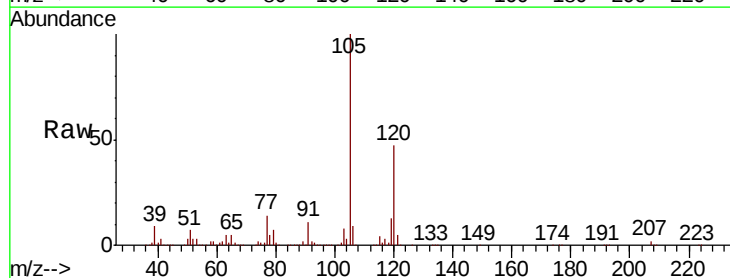
Acq: 06 May 2020 11:59

Tgt Ion:105 Resp: 220882

Ion Ratio Lower Upper

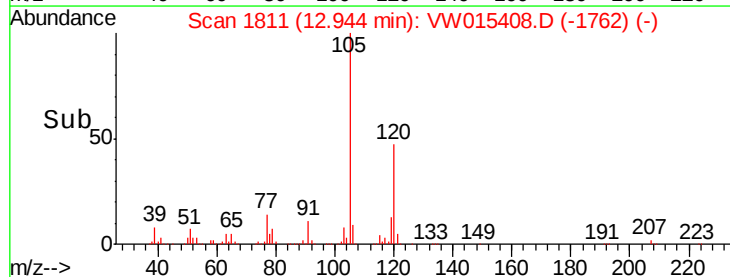
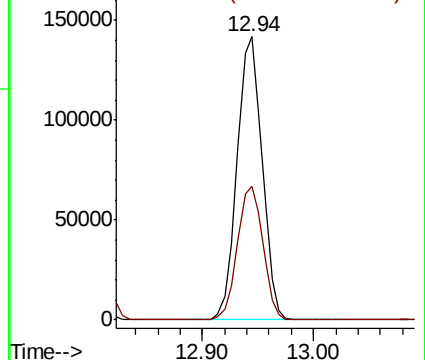
105 100

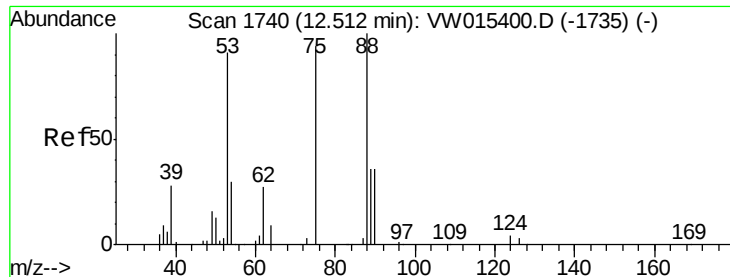
120 48.0 24.2 72.6



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: 20.475 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :

MSVOA_W

ClientSampleId :

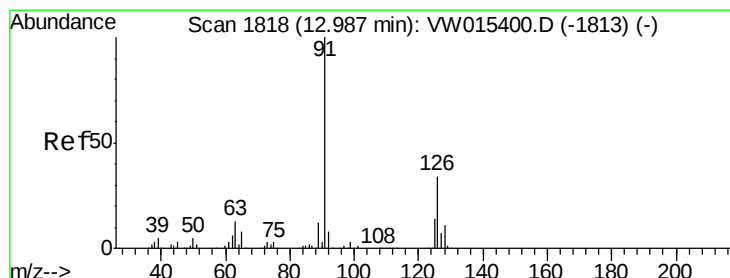
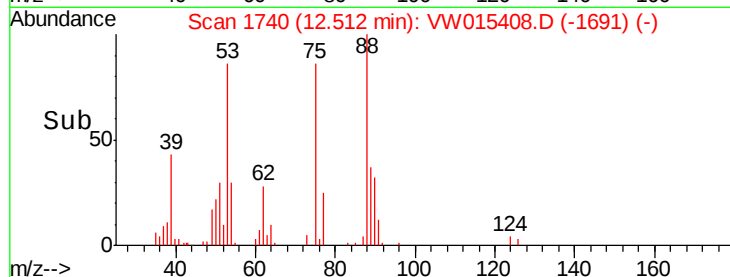
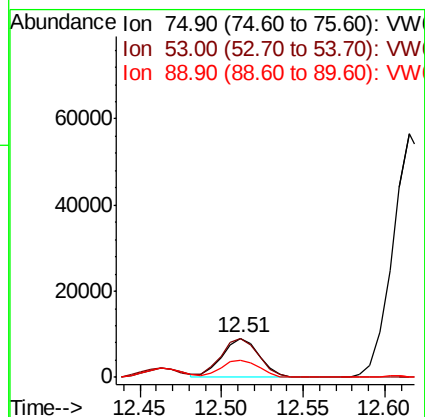
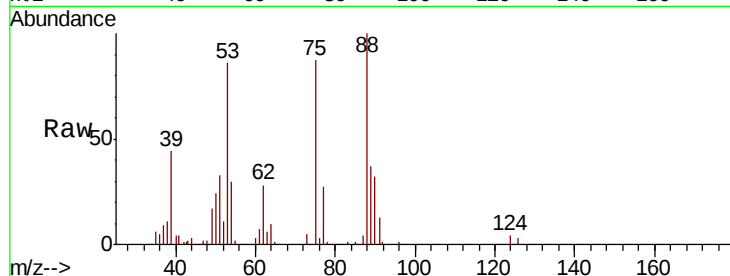
Tot Ion: 75 Resp: 14470

Ion Ratio Lower Upper

75 100

53 101.2 82.5 123.7

89 43.6 35.8 53.8



#82

4-Chlorotoluene

Concen: 20.348 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW015408.D

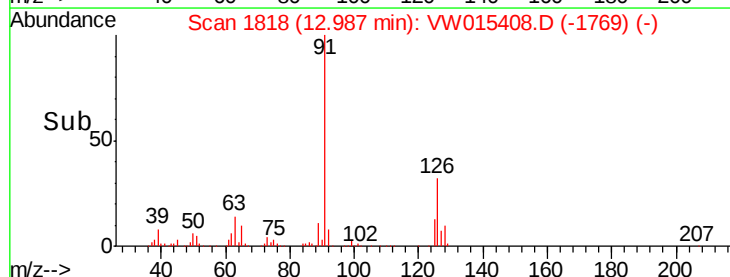
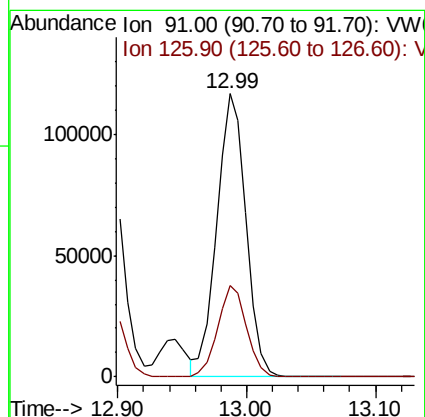
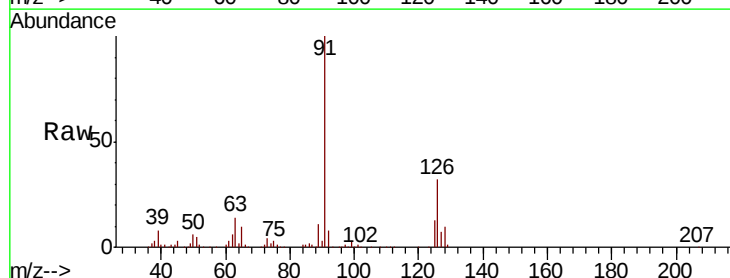
Acq: 06 May 2020 11:59

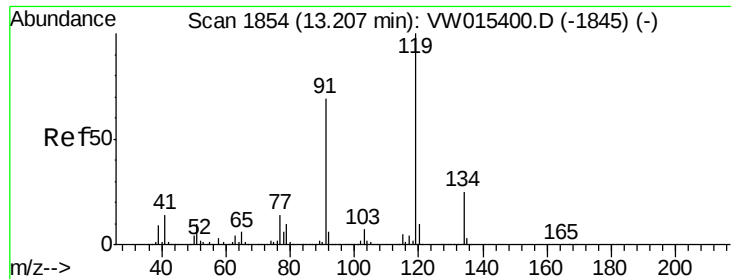
Tgt Ion: 91 Resp: 185018

Ion Ratio Lower Upper

91 100

126 32.2 16.0 47.9

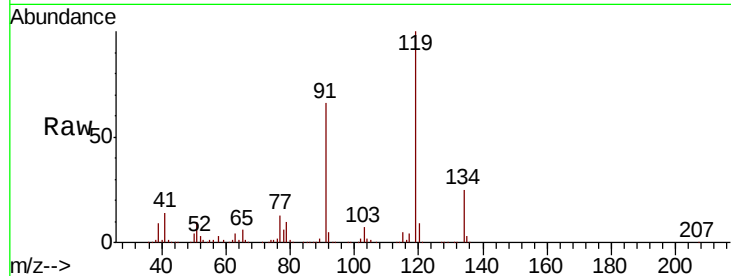




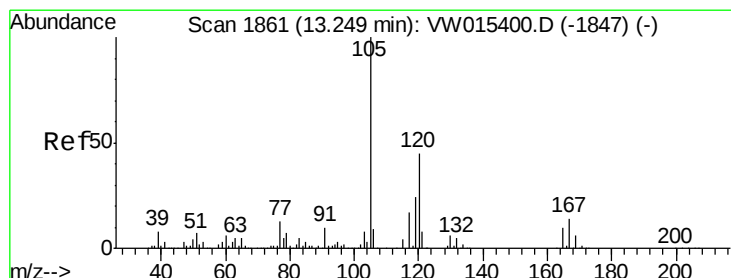
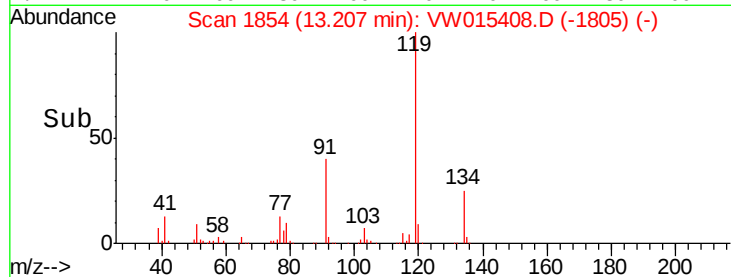
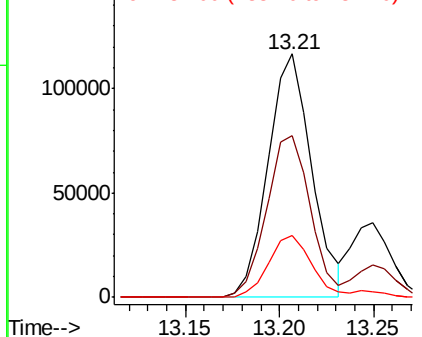
#83
 tert-Butylbenzene
 Concen: 20.567 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW015408.D
 Acq: 06 May 2020 11:59

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:119 Resp: 187537
 Ion Ratio Lower Upper
 119 100
 91 66.7 33.8 101.4
 134 25.1 12.3 36.9

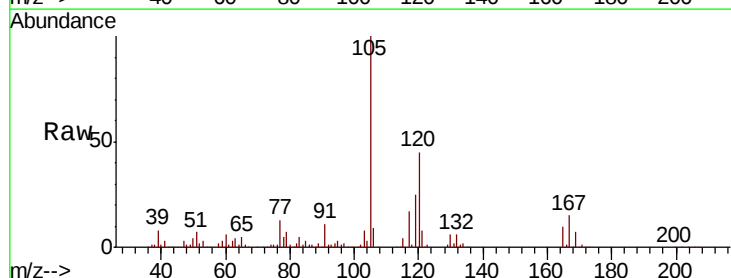


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

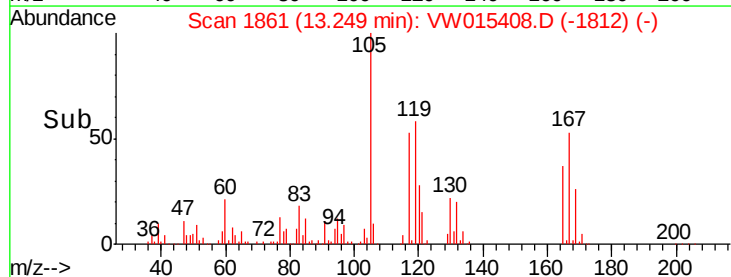
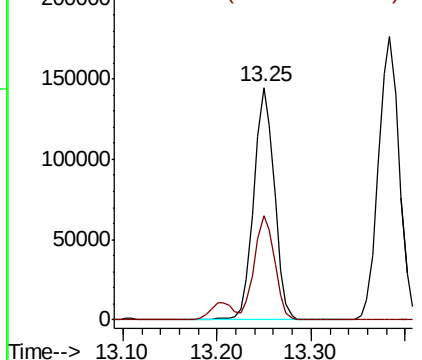


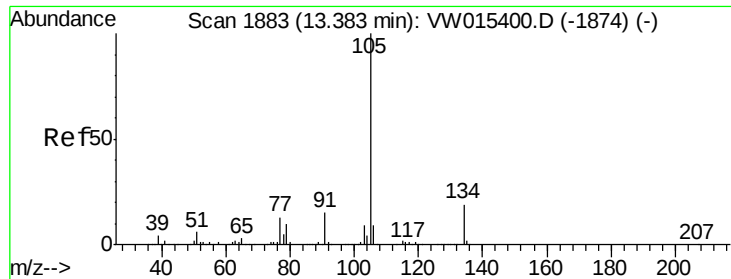
#84
 1,2,4-Trimethylbenzene
 Concen: 20.611 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW015408.D
 Acq: 06 May 2020 11:59

Tgt Ion:105 Resp: 220334
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.947 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :

MSVOA_W

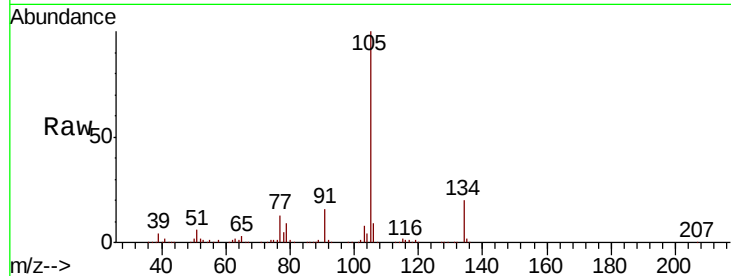
ClientSampled :

Tot Ion:105 Resp: 269116

Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

200000

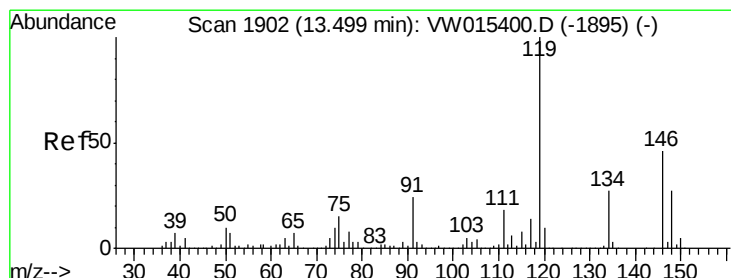
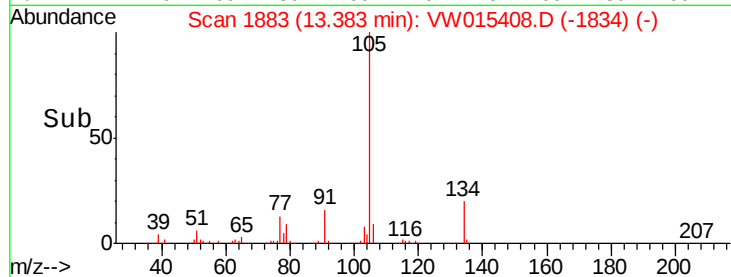
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.610 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

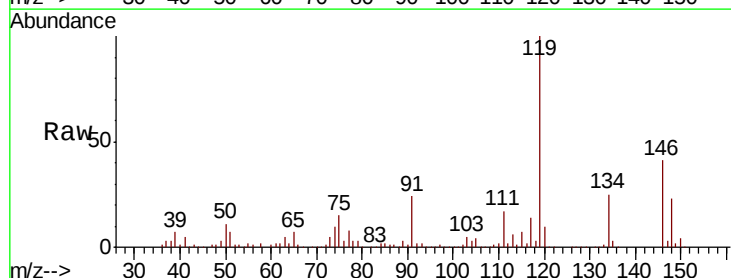
Tgt Ion:119 Resp: 241493

Ion Ratio Lower Upper

119 100

134 26.3 12.8 38.4

91 24.2 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.49

200000

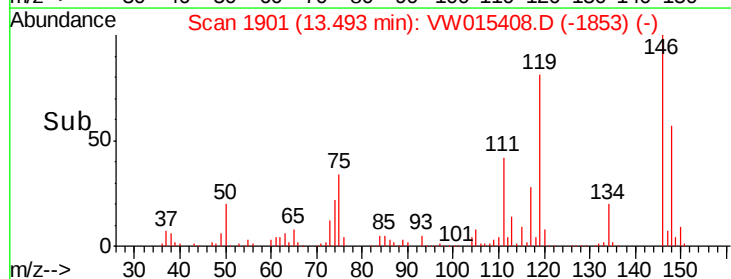
150000

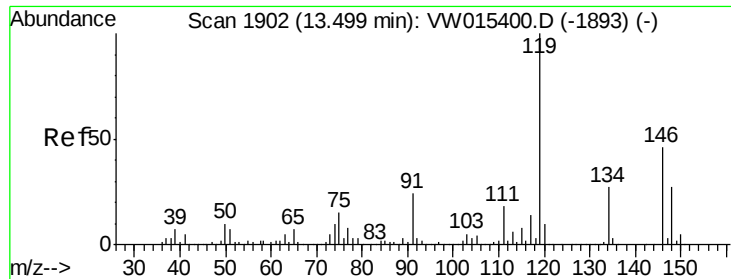
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.364 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :

MSVOA_W

ClientSampleId :

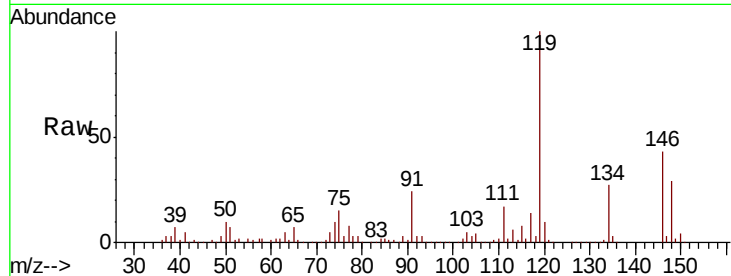
Tot Ion:146 Resp: 109055

Ion Ratio Lower Upper

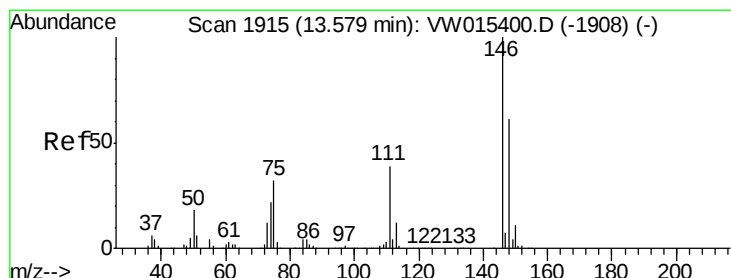
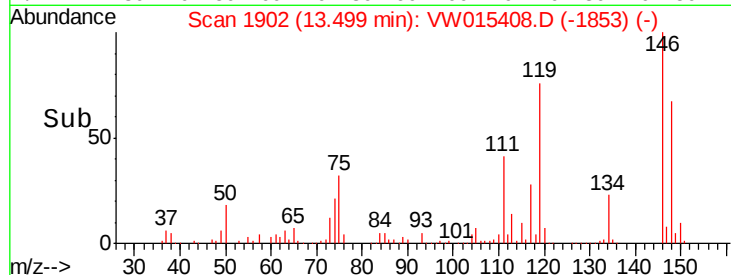
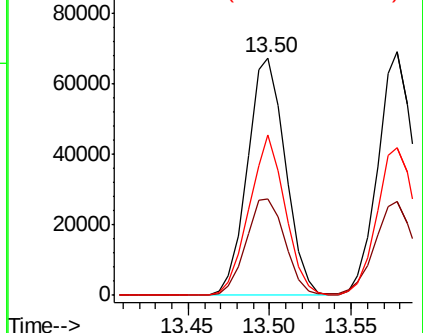
146 100

111 41.9 20.5 61.5

148 63.8 31.4 94.0



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



#88

1,4-Dichlorobenzene

Concen: 20.445 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

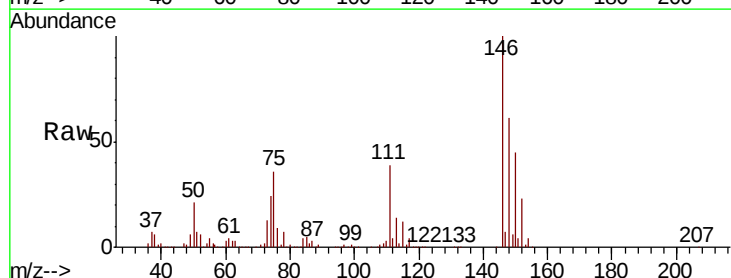
Tgt Ion:146 Resp: 108433

Ion Ratio Lower Upper

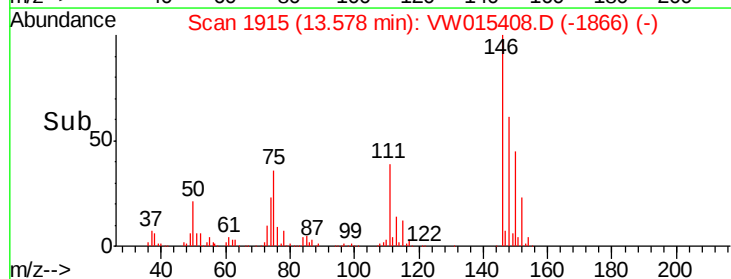
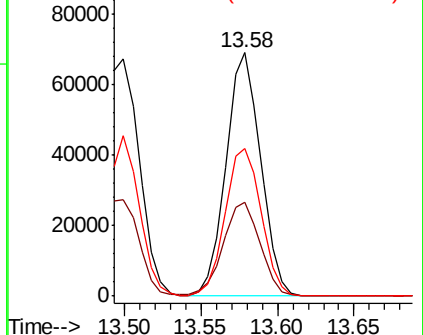
146 100

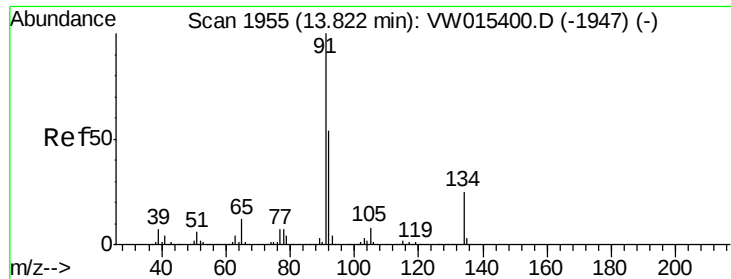
111 41.1 20.0 60.0

148 63.1 31.4 94.3



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





#89

n-Butylbenzene

Concen: 20.582 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :

MSVOA_W

ClientSampleId :

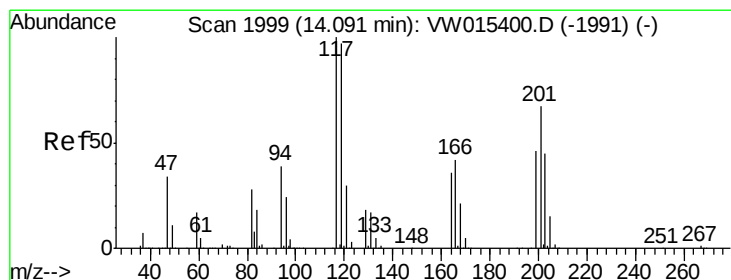
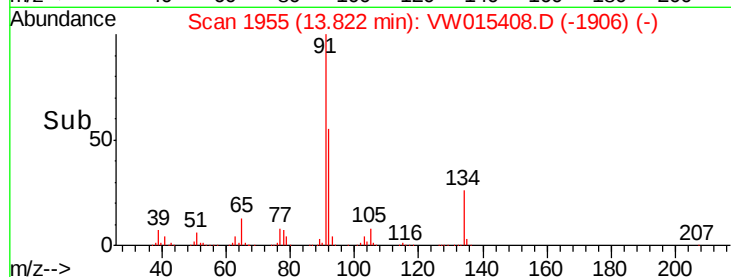
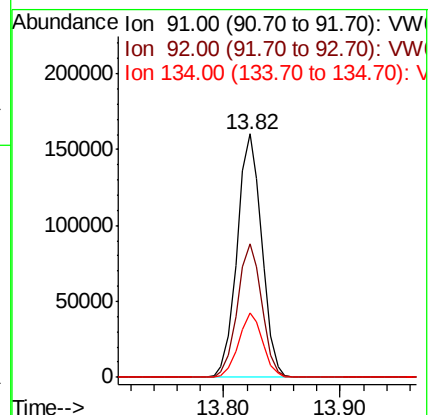
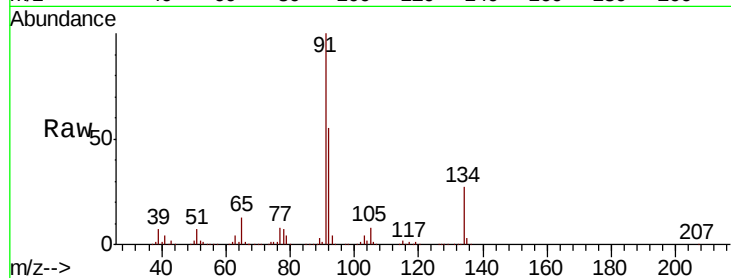
Tot Ion: 91 Resp: 236096

Ion Ratio Lower Upper

91 100

92 54.5 27.2 81.6

134 25.7 12.6 37.6



#90

Hexachloroethane

Concen: 20.433 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW015408.D

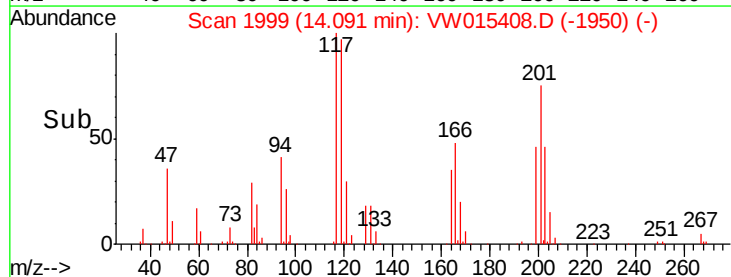
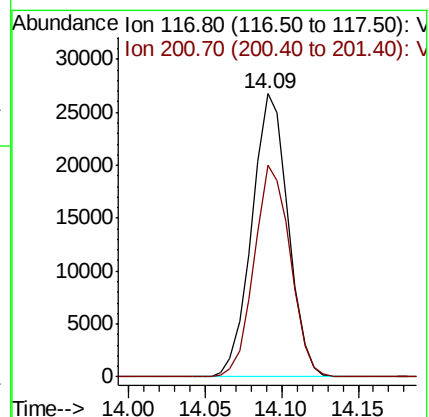
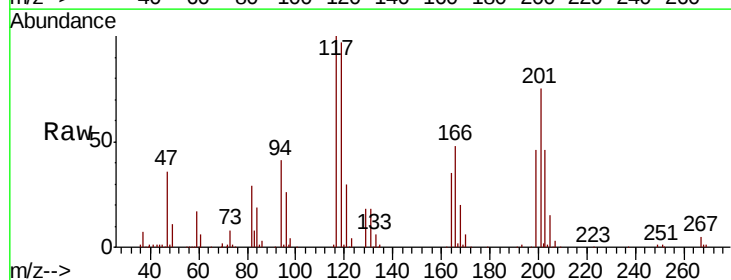
Acq: 06 May 2020 11:59

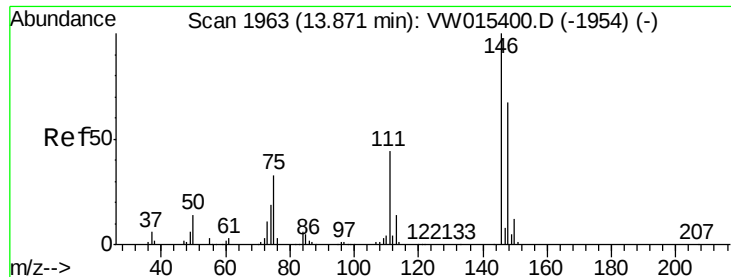
Tgt Ion: 117 Resp: 44120

Ion Ratio Lower Upper

117 100

201 74.6 35.9 107.8





#91

1,2-Dichlorobenzene

Concen: 20.664 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :

MSVOA_W

ClientSampleId :

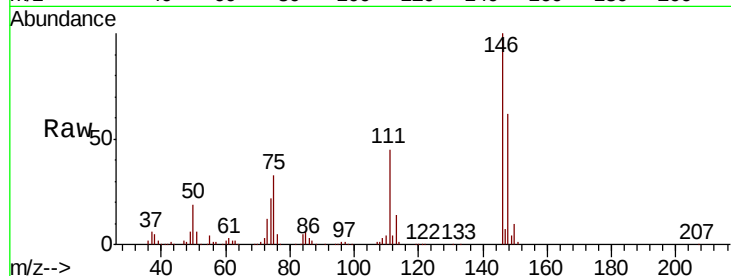
Tot Ion:146 Resp: 95819

Ion Ratio Lower Upper

146 100

111 43.7 22.1 66.3

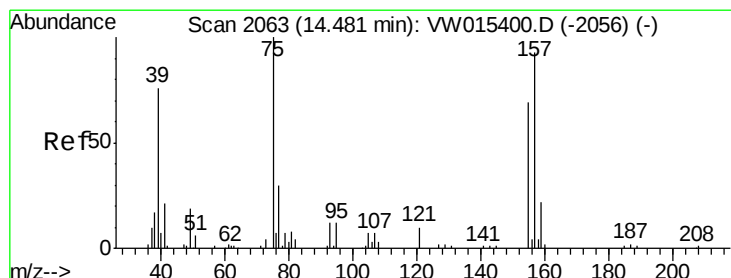
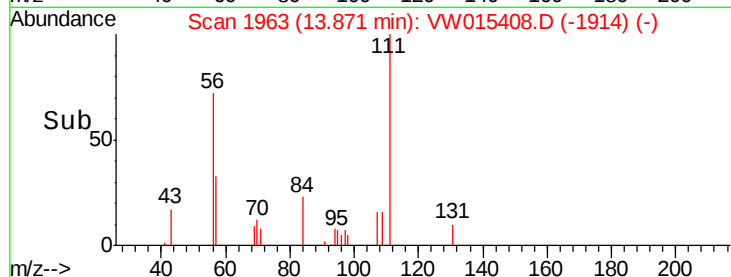
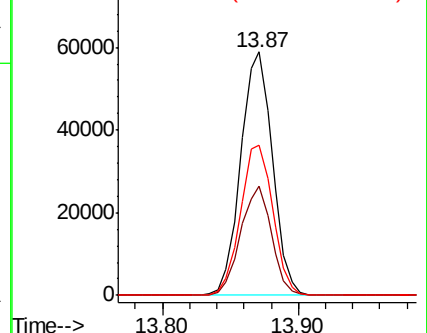
148 63.4 32.5 97.4



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: 20.409 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

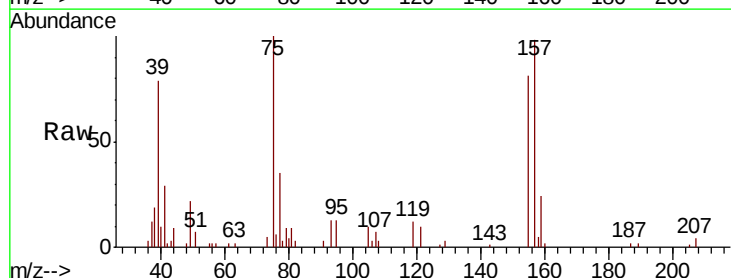
Tgt Ion: 75 Resp: 7071

Ion Ratio Lower Upper

75 100

155 75.6 38.7 116.1

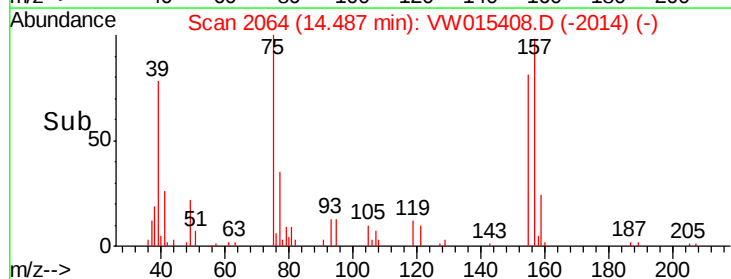
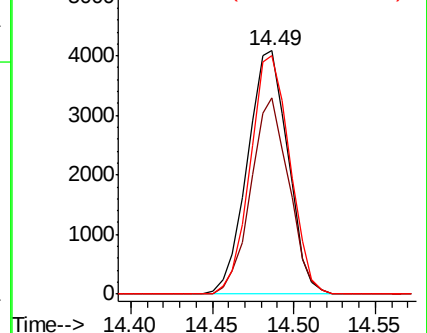
157 95.6 48.1 144.4

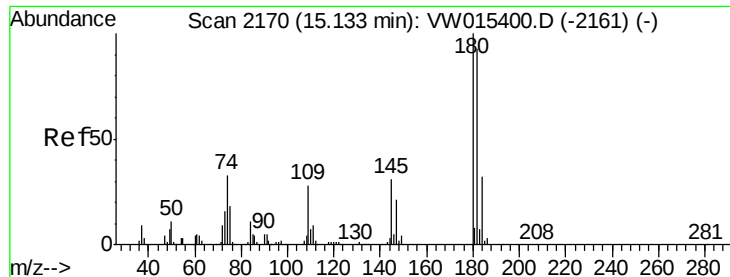


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

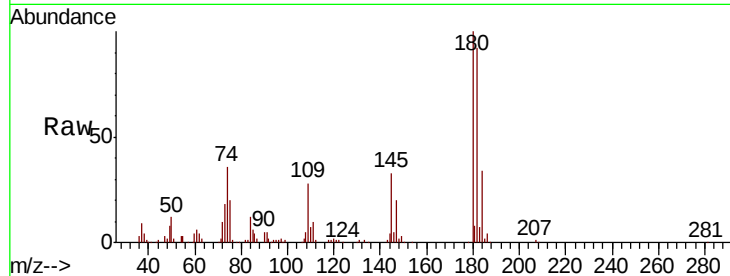




#93
 1,2,4-Trichlorobenzene
 Concen: 20.179 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015408.D
 Acq: 06 May 2020 11:59

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.2	141.6
145	31.7	15.6	46.8

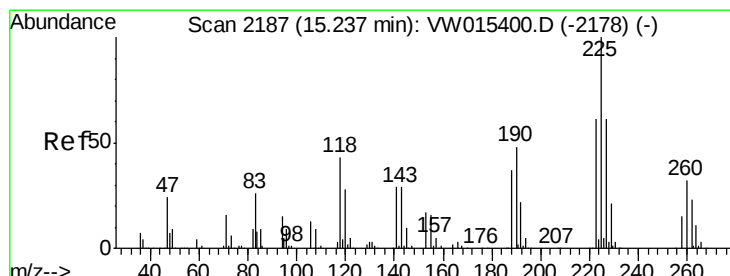
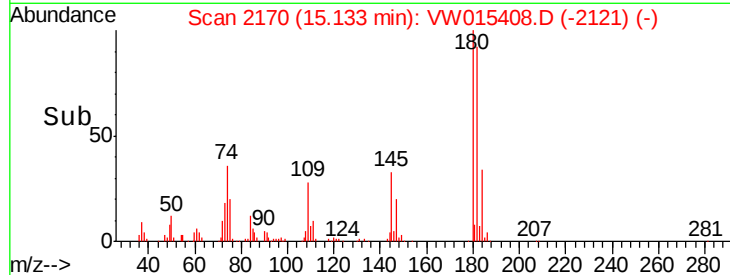
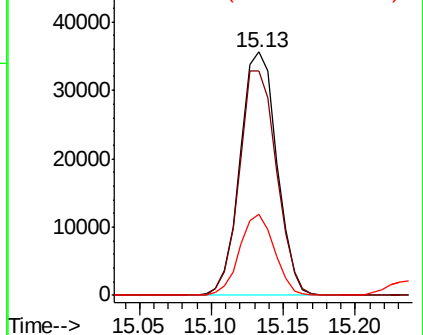


Abundance

Ion 179.80 (179.50 to 180.50): V

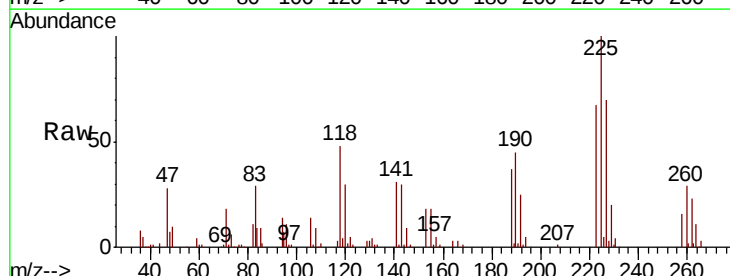
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.384 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW015408.D
 Acq: 06 May 2020 11:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	30.7	92.1
227	66.0	32.0	96.0

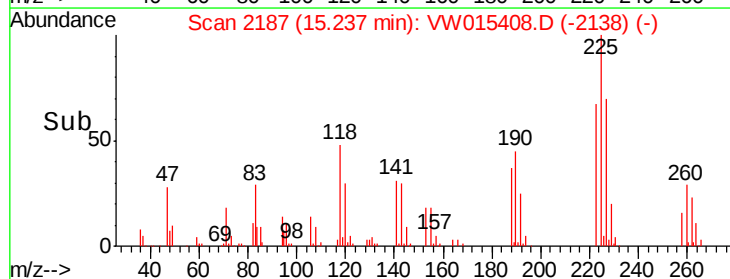
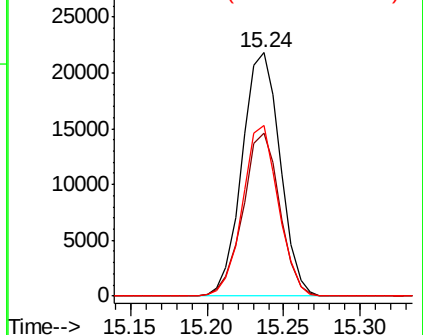


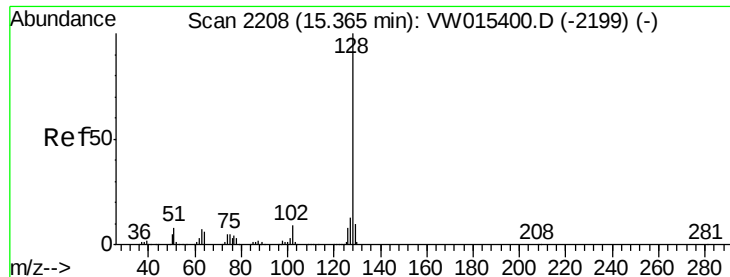
Abundance

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: 19.760 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

Instrument :

MSVOA_W

ClientSampleId :

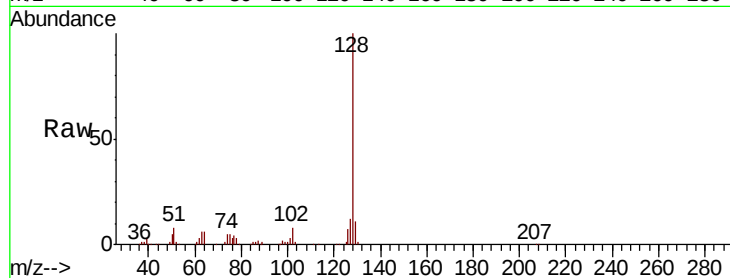
Tot Ion:128 Resp: 110306

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

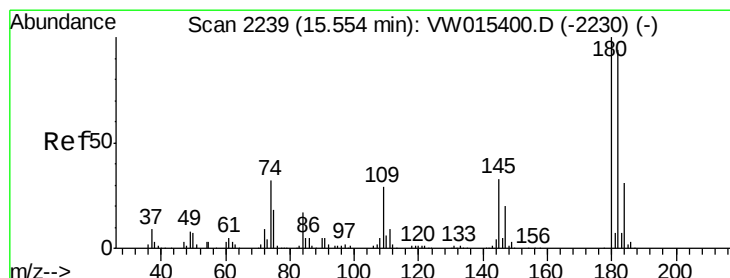
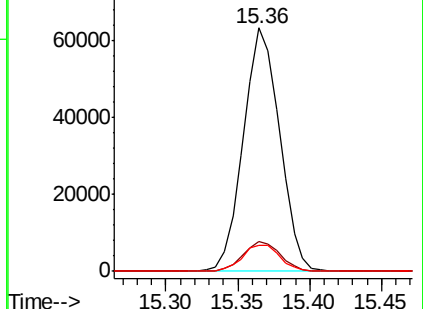
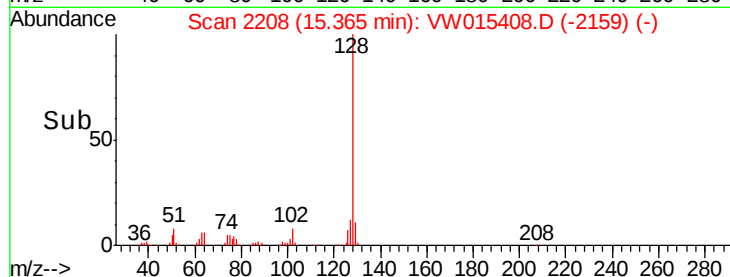
129 11.2 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.284 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015408.D

Acq: 06 May 2020 11:59

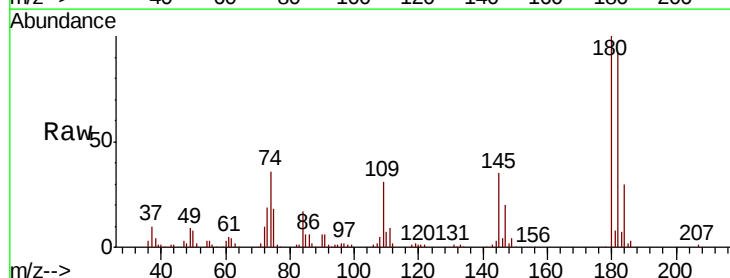
Tgt Ion:180 Resp: 51639

Ion Ratio Lower Upper

180 100

182 95.9 47.6 142.8

145 33.6 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

