

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050720\
 Data File : VW015417.D
 Acq On : 07 May 2020 13:50
 Operator : SY/VA
 Sample : VW0507SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 08 07:02:39 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	226608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	372709	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	338431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	169092	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	134517	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	
35) Dibromofluoromethane	7.88	113	115706	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	
50) Toluene-d8	10.32	98	475190	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
62) 4-Bromofluorobenzene	12.62	95	174716	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	24707	18.858	ug/l	99
3) Chloromethane	2.21	50	30924	18.854	ug/l	95
4) Vinyl Chloride	2.36	62	49385	19.882	ug/l	99
5) Bromomethane	2.78	94	35811	18.403	ug/l	99
6) Chloroethane	2.93	64	32140	18.777	ug/l	100
7) Trichlorofluoromethane	3.26	101	35597	19.538	ug/l	94
8) Diethyl Ether	3.68	74	22754	19.985	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43126	20.419	ug/l	99
10) Methyl Iodide	4.27	142	64710	20.248	ug/l	99
11) Tert butyl alcohol	5.18	59	19069	132.751	ug/l	98
12) 1,1-Dichloroethene	4.03	96	44194	20.178	ug/l	96
13) Acrolein	3.89	56	17724	96.623	ug/l	98
14) Allyl chloride	4.67	41	77353	20.156	ug/l	99
15) Acrylonitrile	5.37	53	50874	109.791	ug/l	99
16) Acetone	4.12	43	46855	121.080	ug/l	100
17) Carbon Disulfide	4.38	76	135252	20.139	ug/l	99
18) Methyl Acetate	4.67	43	22941	22.331	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	75494	21.453	ug/l	97
20) Methylene Chloride	4.92	84	50677	20.071	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	50643	20.369	ug/l	97
22) Diisopropyl ether	6.31	45	151646	20.222	ug/l	99
23) Vinyl Acetate	6.26	43	464651	101.928	ug/l	99
24) 1,1-Dichloroethane	6.21	63	90813	20.200	ug/l	99
25) 2-Butanone	7.17	43	67202	111.414	ug/l	99
26) 2,2-Dichloropropane	7.16	77	62650	21.025	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	55131	20.421	ug/l	100
28) Bromochloromethane	7.51	49	36642	20.270	ug/l	99
29) Tetrahydrofuran	7.53	42	43639	109.935	ug/l	99
30) Chloroform	7.68	83	90960	20.363	ug/l	98
31) Cyclohexane	7.95	56	90445	19.814	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	77156	20.552	ug/l	99
36) 1,1-Dichloropropene	8.08	75	75010	20.484	ug/l	100
37) Ethyl Acetate	7.25	43	30624	21.553	ug/l	98
38) Carbon Tetrachloride	8.07	117	70983	20.735	ug/l	96

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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	94664	20.423	ug/l	99
40) Benzene	8.32	78	205161	20.543	ug/l	99
41) Methacrylonitrile	7.48	41	17855	19.889	ug/l	96
42) 1,2-Dichloroethane	8.40	62	63847	20.989	ug/l	99
43) Isopropyl Acetate	8.43	43	63247	21.166	ug/l	100
44) Trichloroethene	9.09	130	53379	20.622	ug/l	98
45) 1,2-Dichloropropane	9.37	63	50773	20.580	ug/l	98
46) Dibromomethane	9.46	93	25656	20.908	ug/l	97
47) Bromodichloromethane	9.65	83	69454	20.769	ug/l	99
48) Methyl methacrylate	9.43	41	32223	23.345	ug/l	92
49) 1,4-Dioxane	9.45	88	7178	464.831	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	157135	112.207	ug/l	100
52) Toluene	10.39	92	134180	20.675	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	70538	20.665	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	81850	20.365	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	35978	20.734	ug/l	93
56) Ethyl methacrylate	10.65	69	49198	20.636	ug/l	96
57) 1,3-Dichloropropane	10.93	76	64900	20.803	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	120762	104.117	ug/l	99
59) 2-Hexanone	10.97	43	104170	109.935	ug/l	99
60) Dibromochloromethane	11.13	129	42829	20.523	ug/l	99
61) 1,2-Dibromoethane	11.24	107	34336	20.899	ug/l	100
64) Tetrachloroethene	10.86	164	43999	21.270	ug/l	93
65) Chlorobenzene	11.66	112	135923	20.370	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	47913	20.252	ug/l	98
67) Ethyl Benzene	11.73	91	261394	20.466	ug/l	98
68) m/p-Xylenes	11.84	106	196428	41.366	ug/l	96
69) o-Xylene	12.16	106	90583	20.300	ug/l	99
70) Styrene	12.18	104	153411	19.962	ug/l	99
71) Bromoform	12.35	173	23520	20.385	ug/l #	98
73) Isopropylbenzene	12.46	105	253626	20.091	ug/l	99
74) N-amyl acetate	12.27	43	61734	20.688	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	41607	21.069	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	56098	40.329	ug/l #	100
77) Bromobenzene	12.74	156	53582	20.029	ug/l	99
78) n-propylbenzene	12.80	91	307378	20.295	ug/l	99
79) 2-Chlorotoluene	12.89	91	173353	20.305	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	215983	20.312	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14285	20.313	ug/l	98
82) 4-Chlorotoluene	12.99	91	182608	20.182	ug/l	99
83) tert-Butylbenzene	13.21	119	185831	20.481	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	213400	20.061	ug/l	98
85) sec-Butylbenzene	13.38	105	262459	20.530	ug/l	99
86) p-Isopropyltoluene	13.50	119	236850	20.314	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	109221	20.496	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	105867	20.060	ug/l	97
89) n-Butylbenzene	13.82	91	233549	20.461	ug/l	99
90) Hexachloroethane	14.09	117	43381	20.190	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	95121	20.615	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7160	20.768	ug/l	99

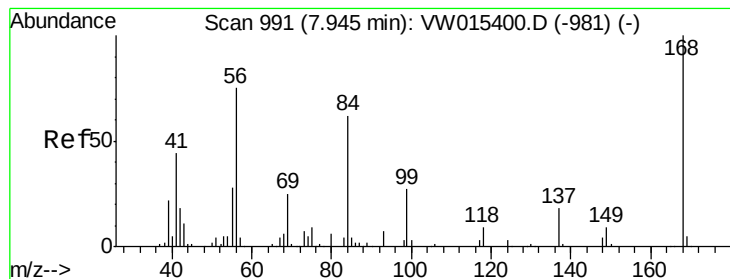
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	61207	19.737	ug/l	97
94) Hexachlorobutadiene	15.24	225	36527	19.877	ug/l	98
95) Naphthalene	15.36	128	110841	19.954	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	51127	19.188	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Instrument :

MSVOA_W

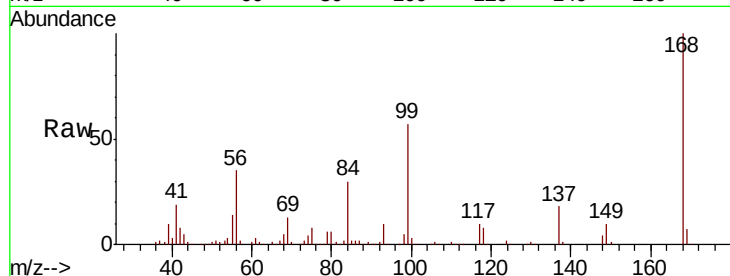
ClientSampled :

Tot Ion:168 Resp: 226608

Ion Ratio Lower Upper

168 100

99 57.5 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

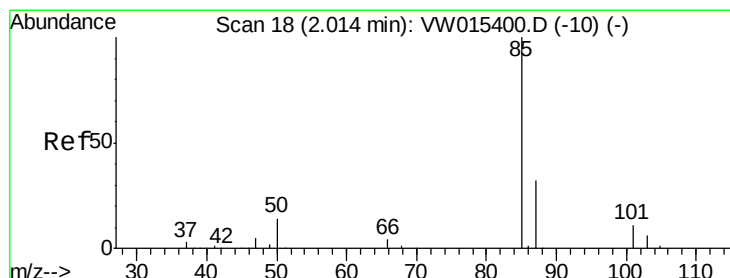
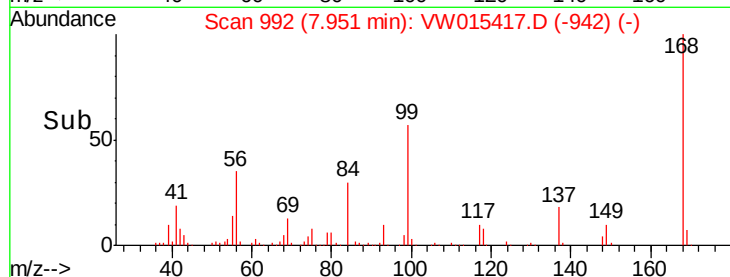
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 18.858 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015417.D

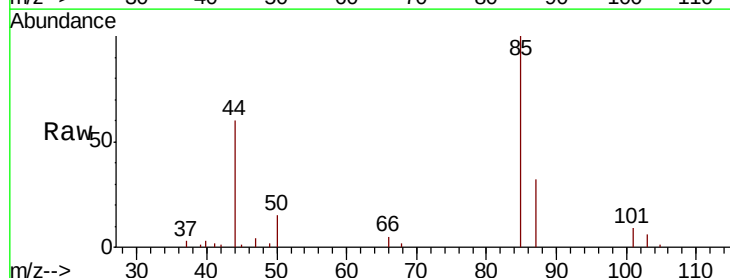
Acq: 07 May 2020 13:50

Tgt Ion: 85 Resp: 24707

Ion Ratio Lower Upper

85 100

87 31.7 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

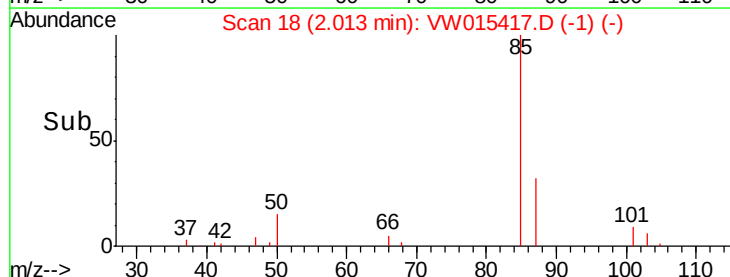
6000

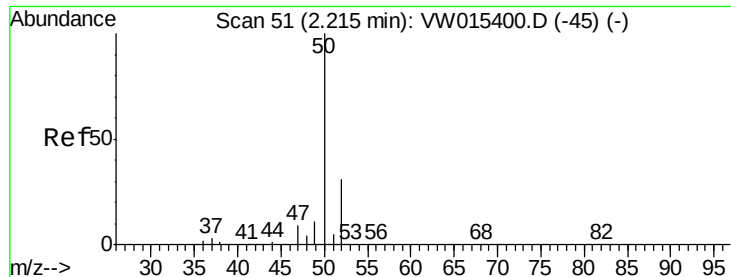
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 18.854 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Instrument :

MSVOA_W

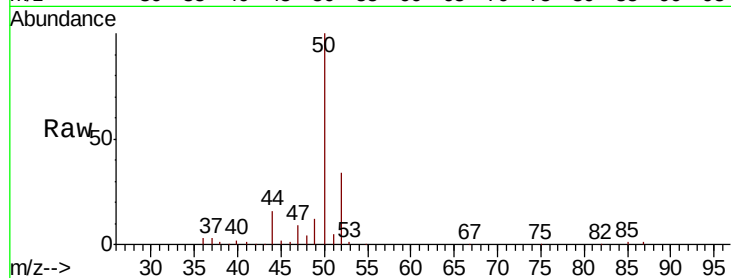
ClientSampleId :

Tot Ion: 50 Resp: 30924

Ion Ratio Lower Upper

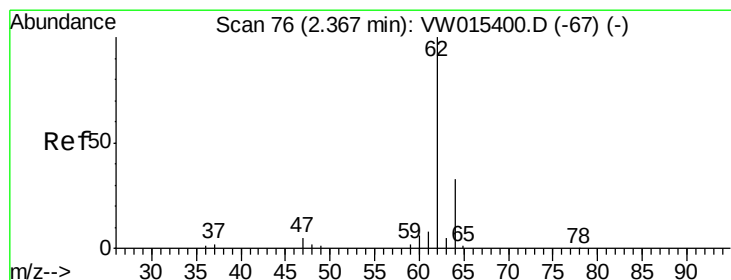
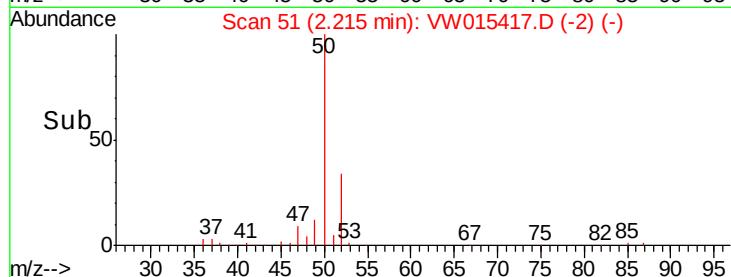
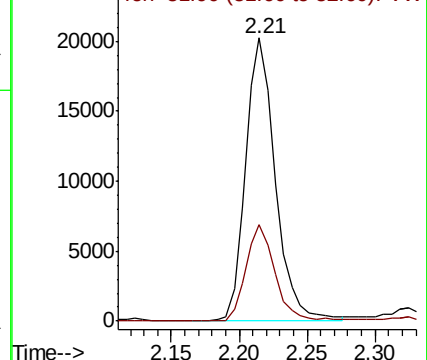
50 100

52 33.9 25.0 37.6



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 19.882 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015417.D

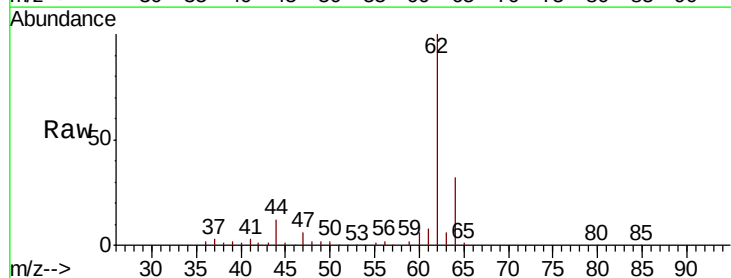
Acq: 07 May 2020 13:50

Tgt Ion: 62 Resp: 49385

Ion Ratio Lower Upper

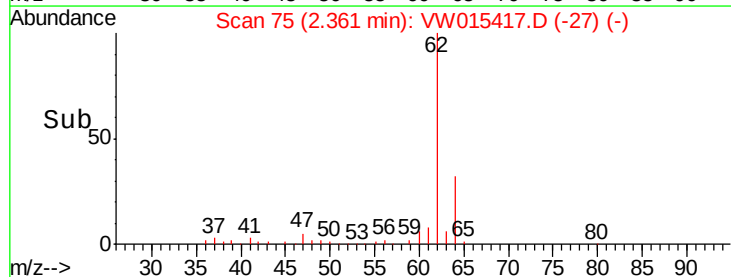
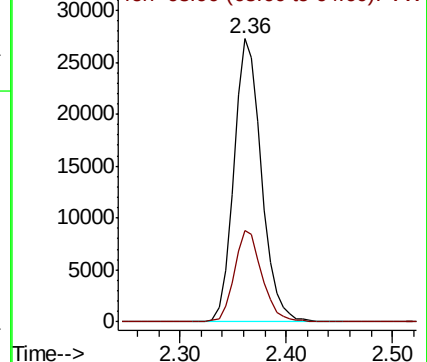
62 100

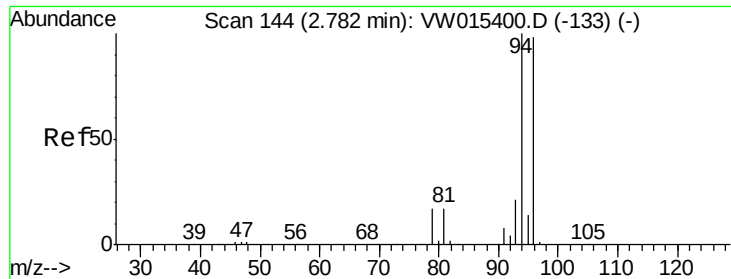
64 32.2 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 18.403 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Instrument :

MSVOA_W

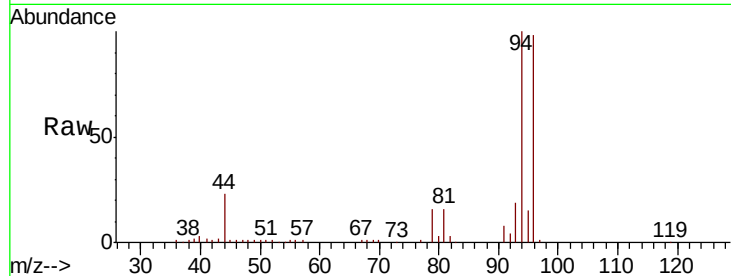
ClientSampleId :

Tot Ion: 94 Resp: 35811

Ion Ratio Lower Upper

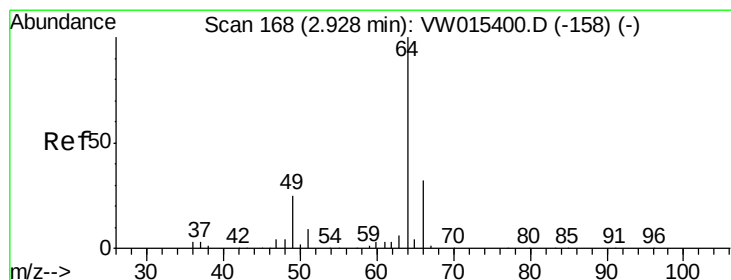
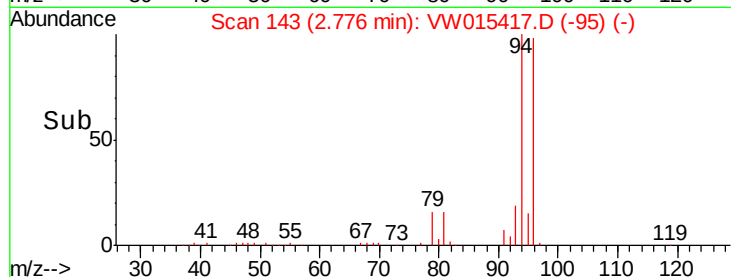
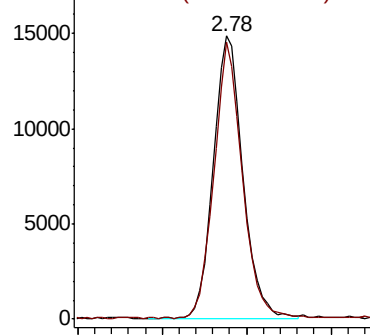
94 100

96 97.5 78.8 118.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 18.777 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW015417.D

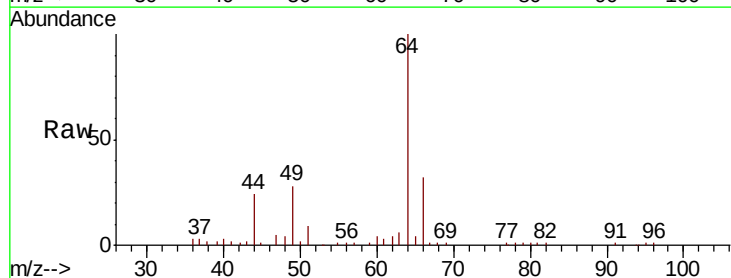
Acq: 07 May 2020 13:50

Tgt Ion: 64 Resp: 32140

Ion Ratio Lower Upper

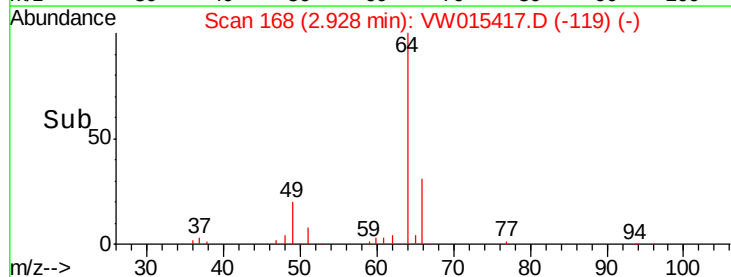
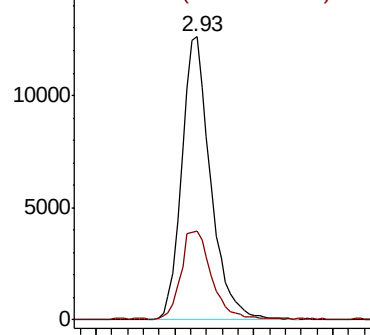
64 100

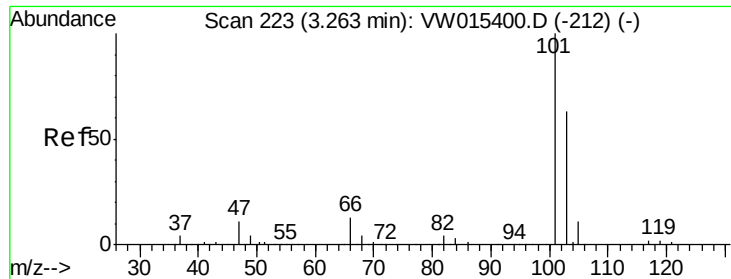
66 31.6 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



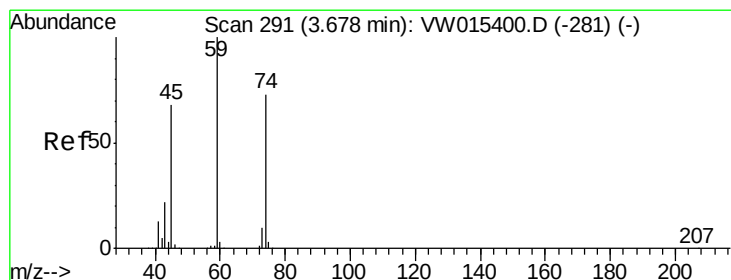
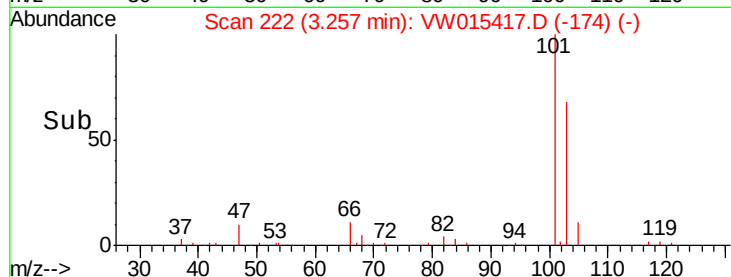
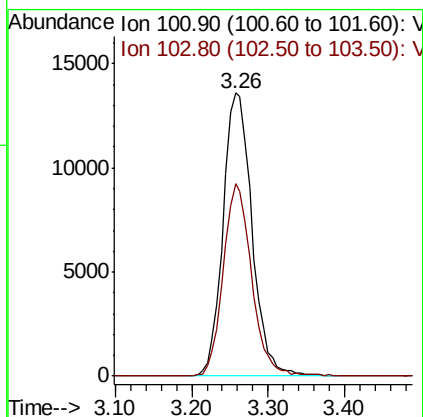
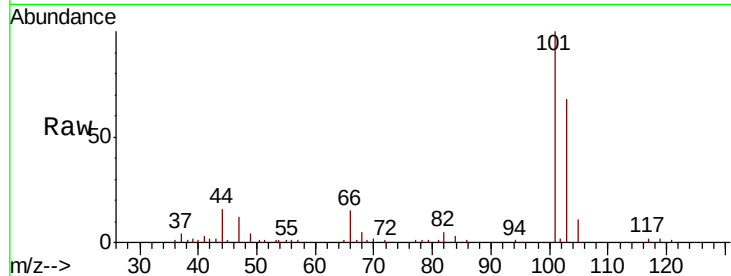


#7

Trichlorofluoromethane
Concen: 19.538 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

Instrument :
MSVOA_W
ClientSampleId :

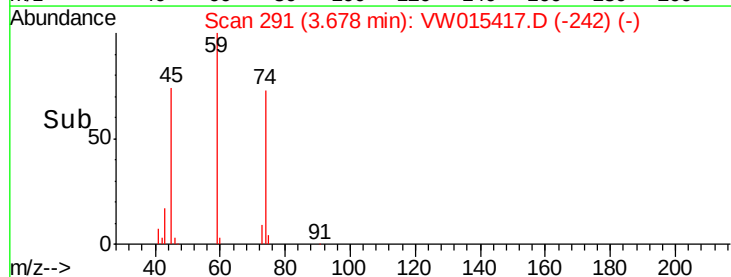
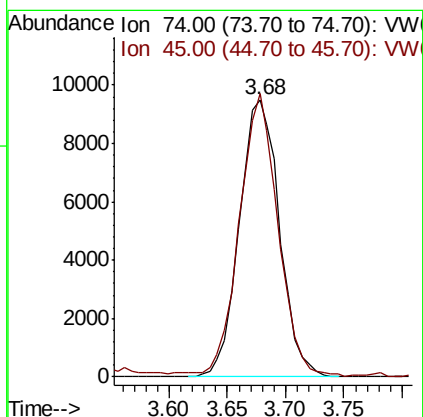
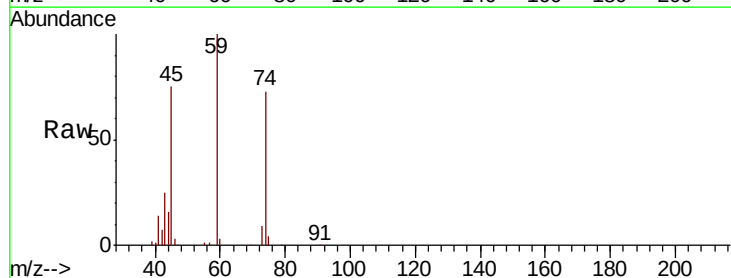
Tot Ion:101 Resp: 35597
Ion Ratio Lower Upper
101 100
103 67.8 50.2 75.4

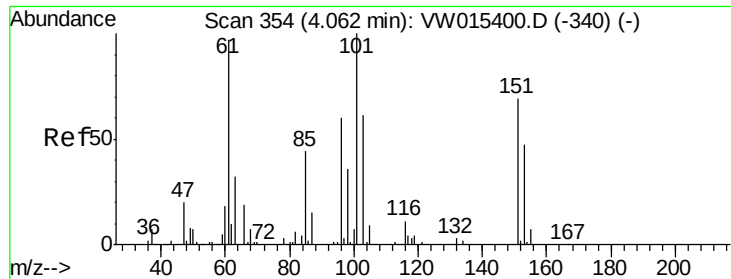


#8

Diethyl Ether
Concen: 19.985 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

Tgt Ion: 74 Resp: 22754
Ion Ratio Lower Upper
74 100
45 99.2 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.419 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Instrument :

MSVOA_W

ClientSampled :

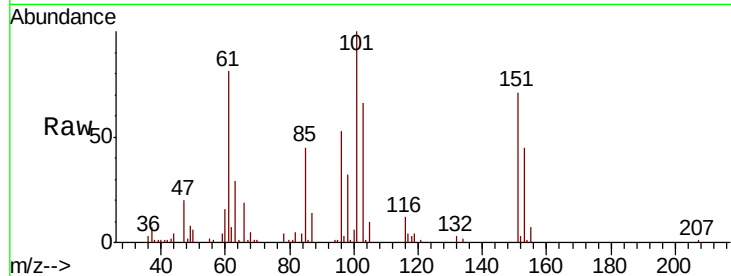
Tot Ion:101 Resp: 43126

Ion Ratio Lower Upper

101 100

85 45.9 37.3 55.9

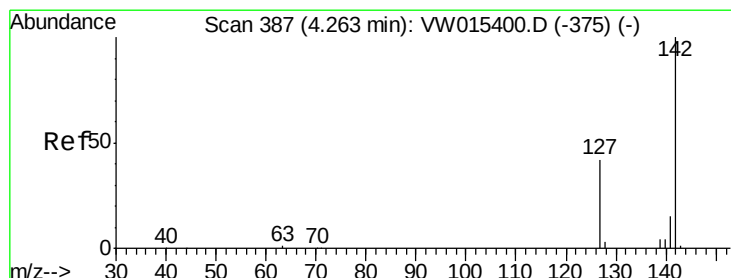
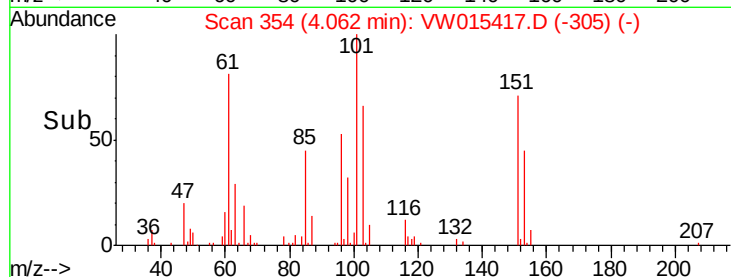
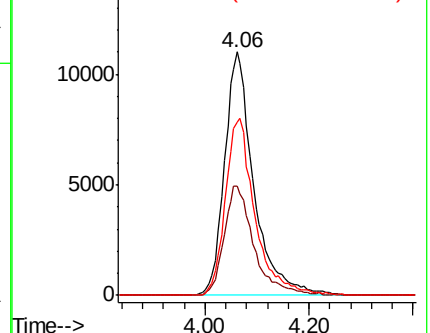
151 73.2 58.9 88.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.248 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

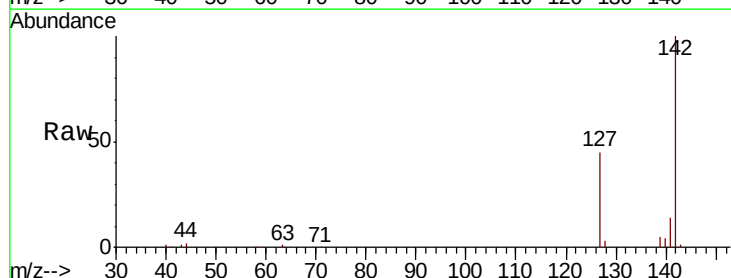
Tgt Ion:142 Resp: 64710

Ion Ratio Lower Upper

142 100

127 45.2 35.4 53.2

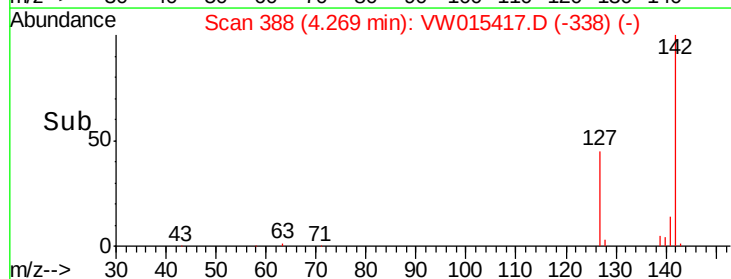
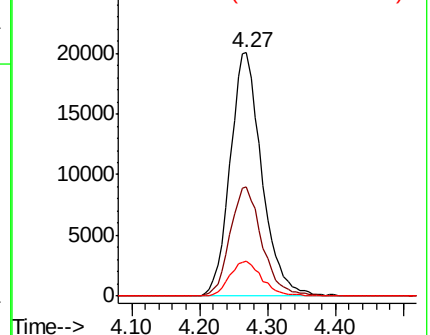
141 14.5 11.7 17.5

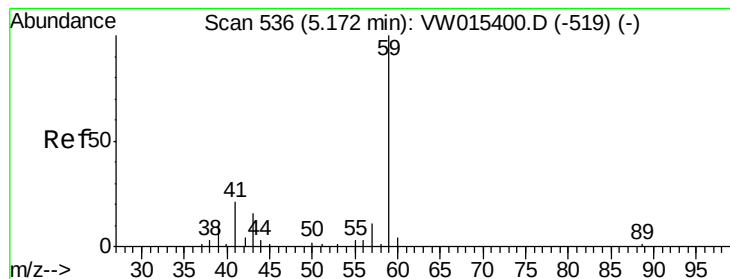


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



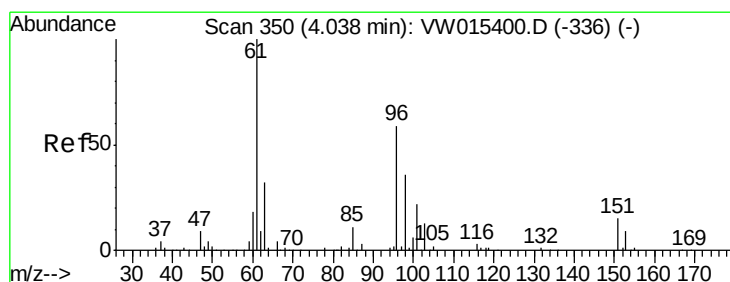
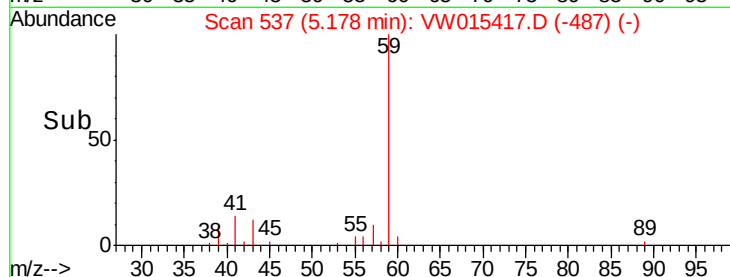
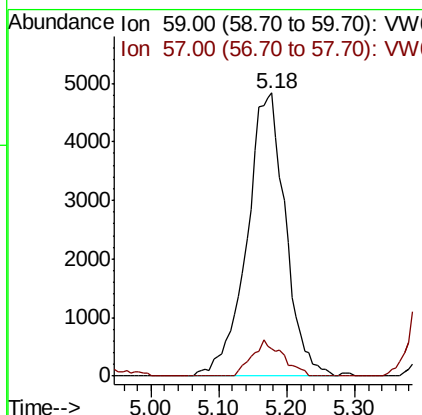
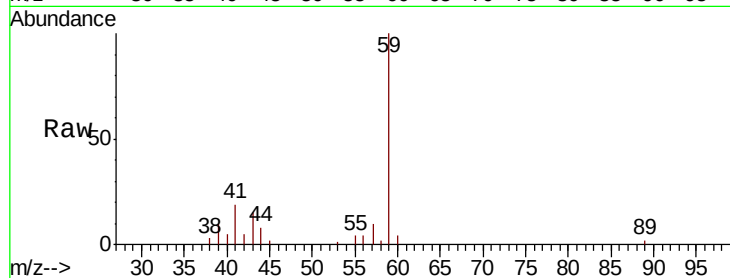


#11

Tert butyl alcohol
 Concen: 132.751 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

Instrument :
 MSVOA_W
 ClientSampled :

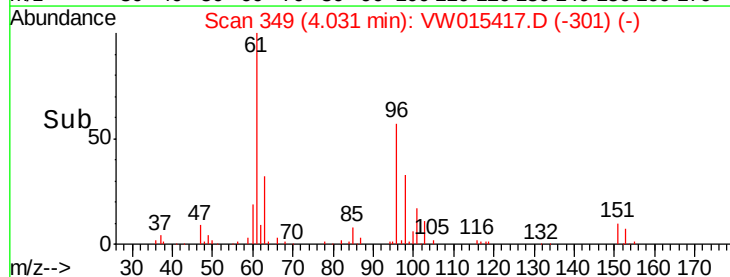
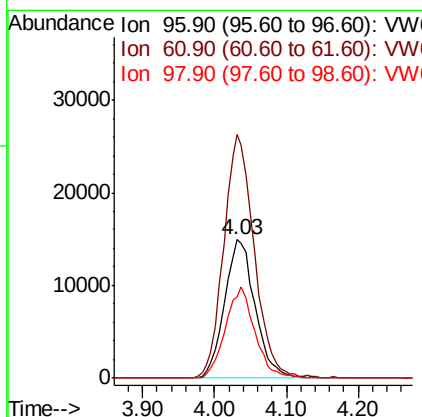
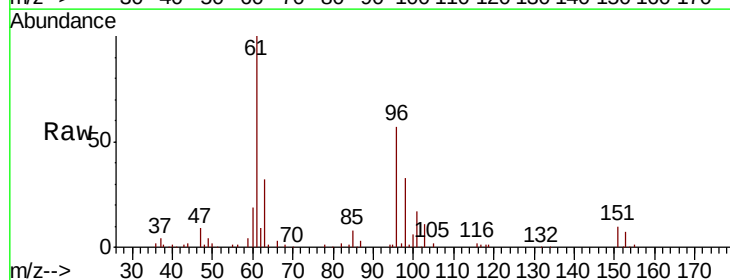
Tot Ion: 59 Resp: 19069
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.6 13.0

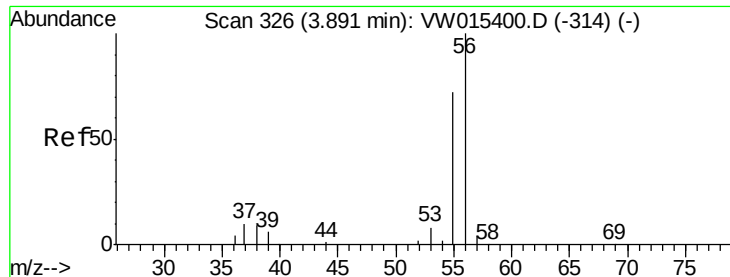


#12

1,1-Dichloroethene
 Concen: 20.178 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

Tgt Ion: 96 Resp: 44194
 Ion Ratio Lower Upper
 96 100
 61 175.8 135.8 203.8
 98 58.2 48.6 72.8





#13

Acrolein

Concen: 96.623 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

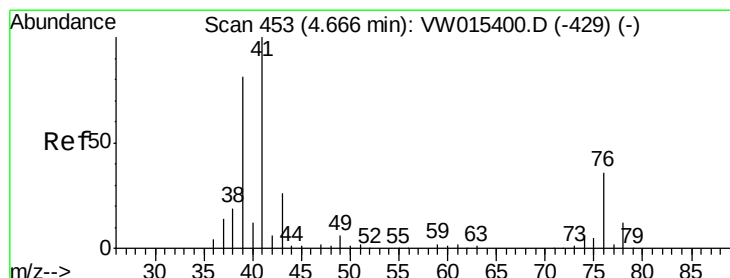
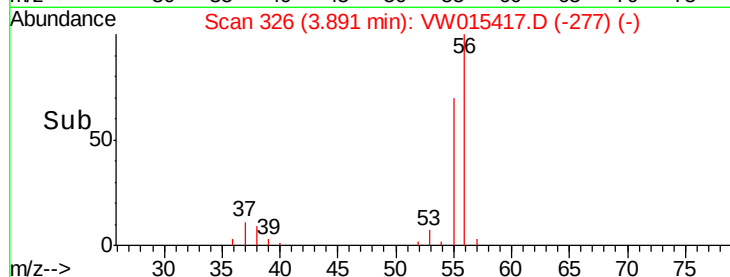
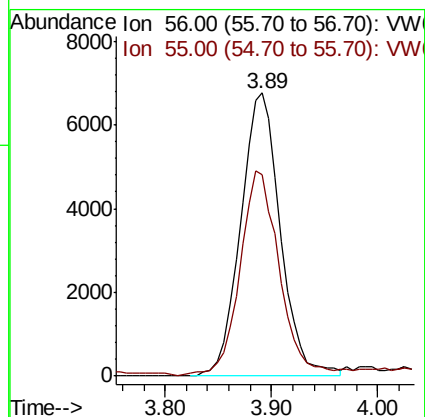
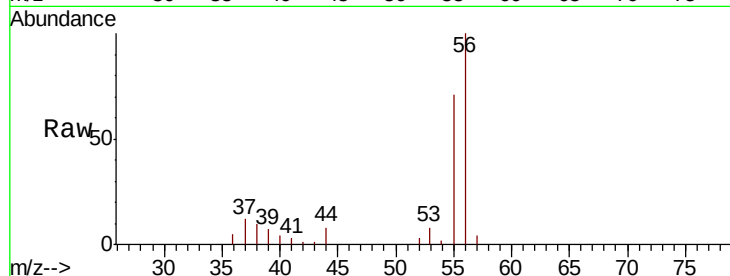
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 17724

Ion Ratio Lower Upper

56 100

55 72.3 56.4 84.6



#14

Allyl chloride

Concen: 20.156 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

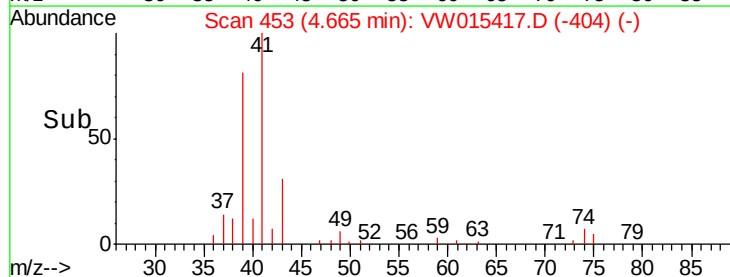
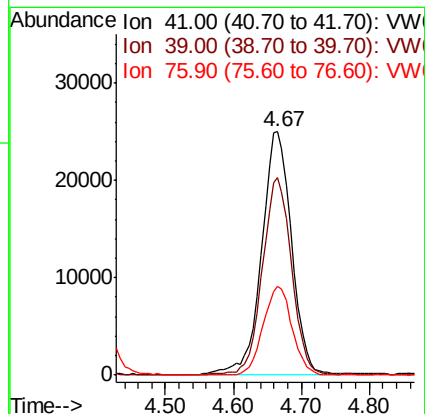
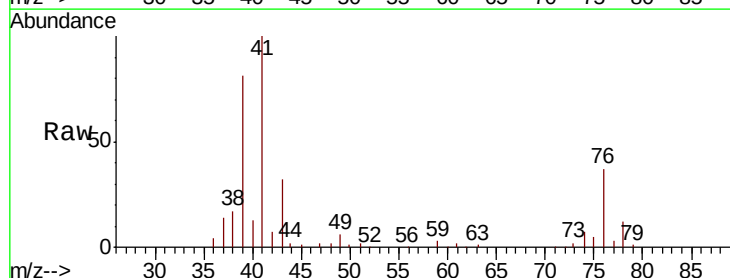
Tgt Ion: 41 Resp: 77353

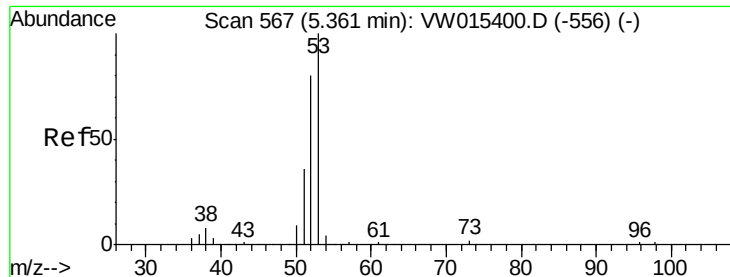
Ion Ratio Lower Upper

41 100

39 78.9 63.6 95.4

76 35.0 28.4 42.6





#15

Acrylonitrile

Concen: 109.791 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Instrument :

MSVOA_W

ClientSampleId :

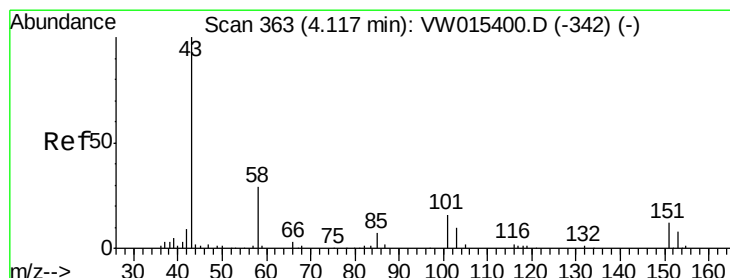
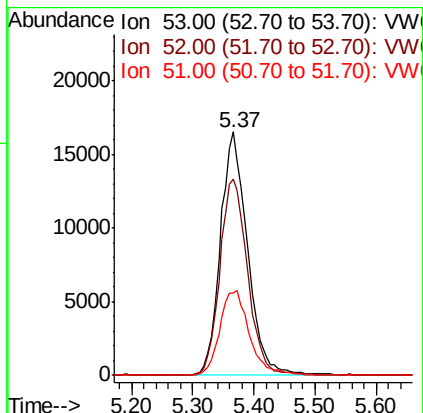
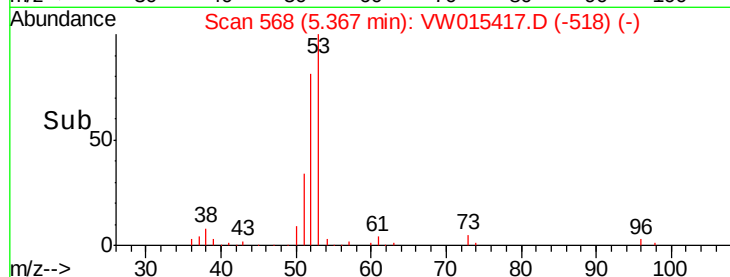
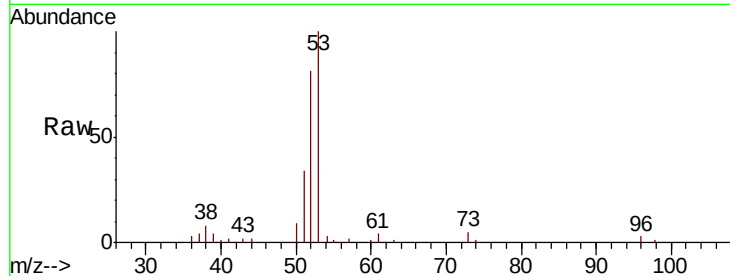
Tot Ion: 53 Resp: 50874

Ion Ratio Lower Upper

53 100

52 81.9 66.6 99.8

51 37.8 30.2 45.2



#16

Acetone

Concen: 121.080 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW015417.D

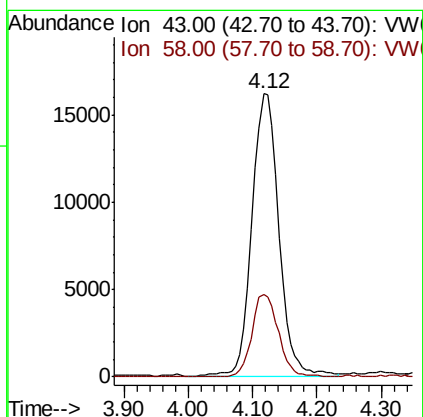
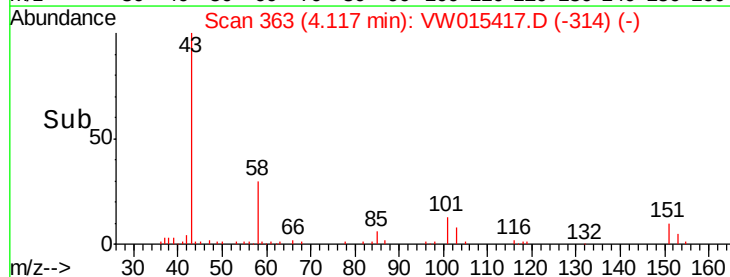
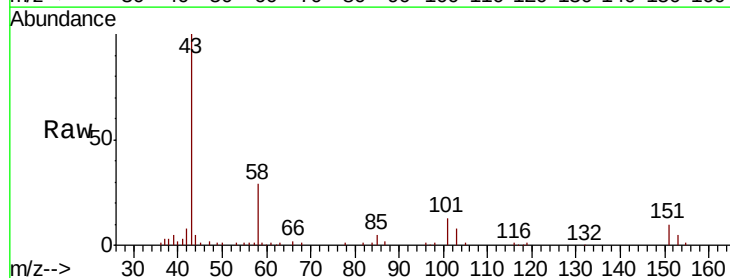
Acq: 07 May 2020 13:50

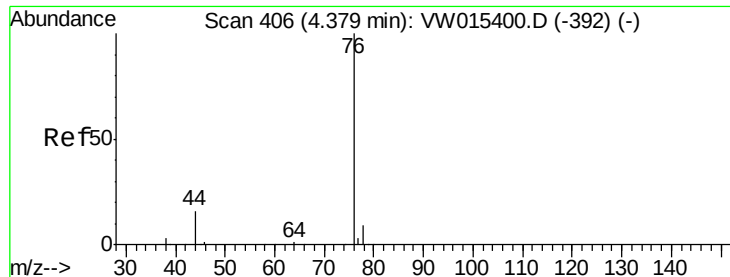
Tgt Ion: 43 Resp: 46855

Ion Ratio Lower Upper

43 100

58 29.3 23.4 35.0





#17

Carbon Disulfide

Concen: 20.139 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Instrument :

MSVOA_W

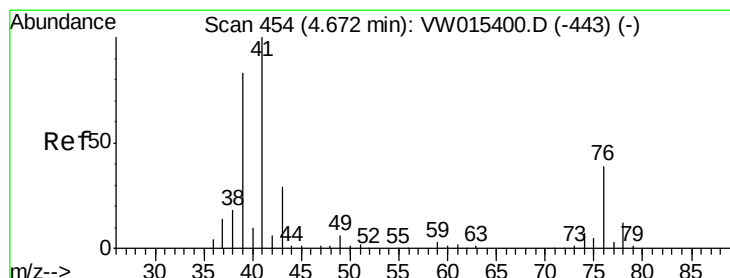
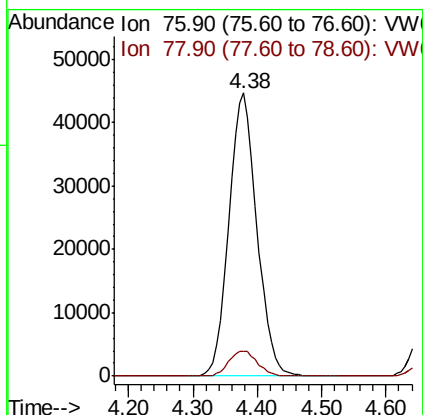
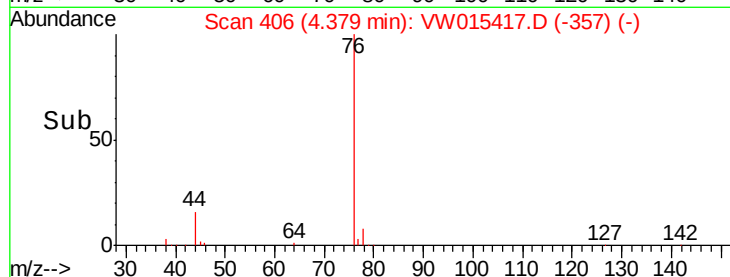
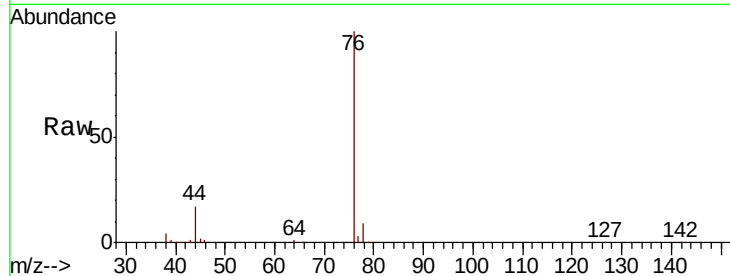
ClientSampleId :

Tot Ion: 76 Resp: 135252

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9



#18

Methyl Acetate

Concen: 22.331 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015417.D

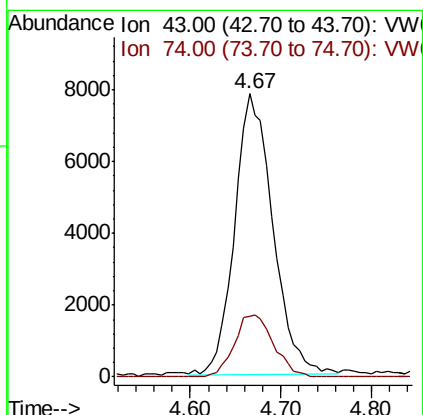
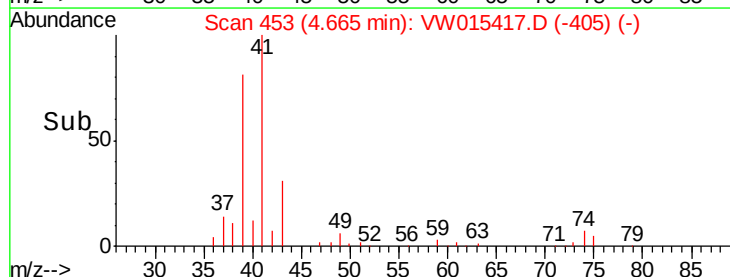
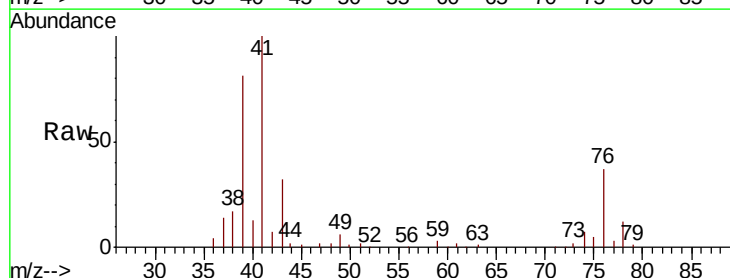
Acq: 07 May 2020 13:50

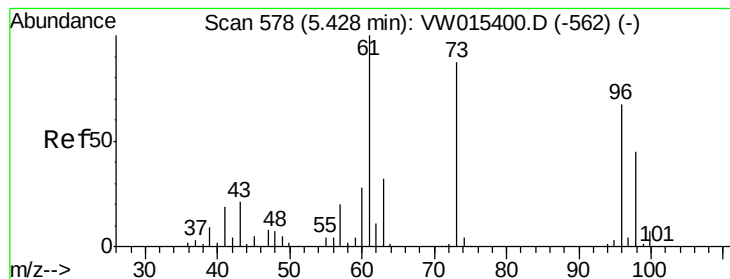
Tgt Ion: 43 Resp: 22941

Ion Ratio Lower Upper

43 100

74 22.5 18.7 28.1



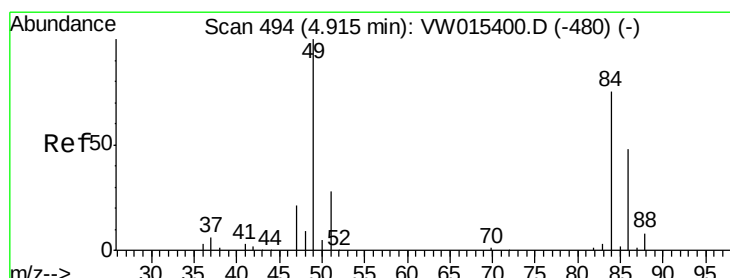
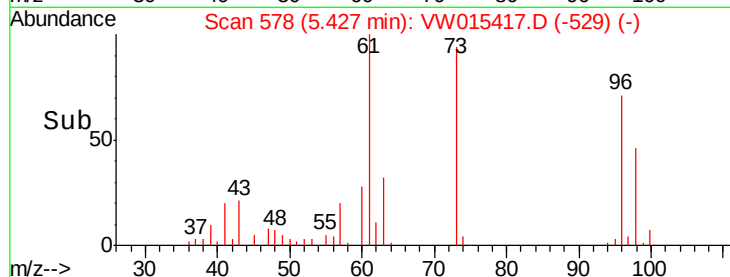
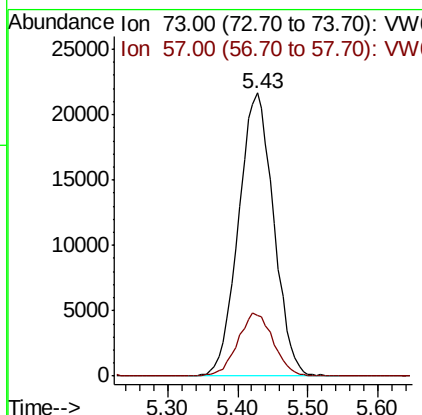
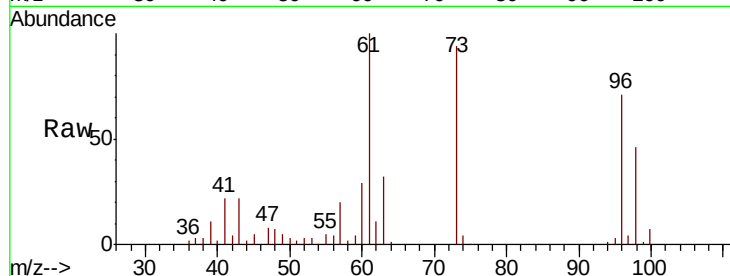


#19

Methyl tert-butyl Ether
 Concen: 21.453 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

Instrument :
 MSVOA_W
 ClientSampled :

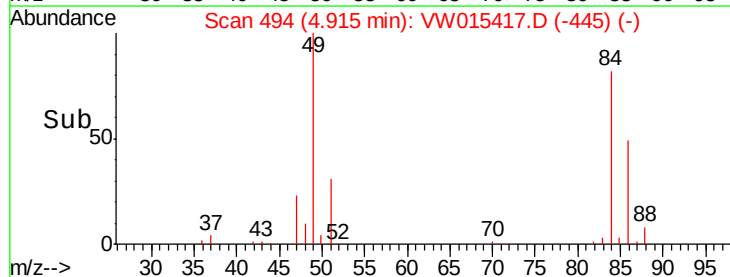
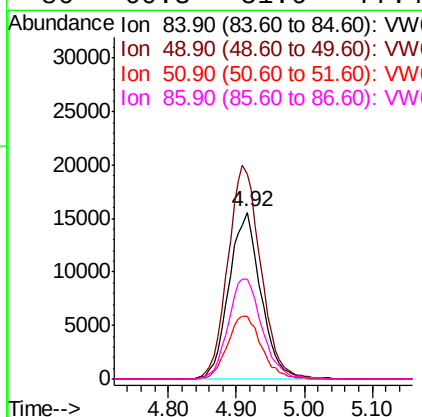
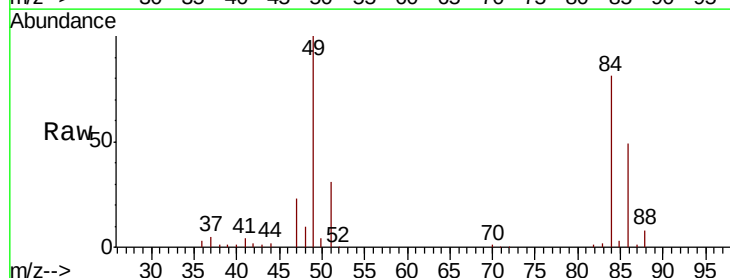
Tot Ion: 73 Resp: 75494
 Ion Ratio Lower Upper
 73 100
 57 21.6 18.5 27.7

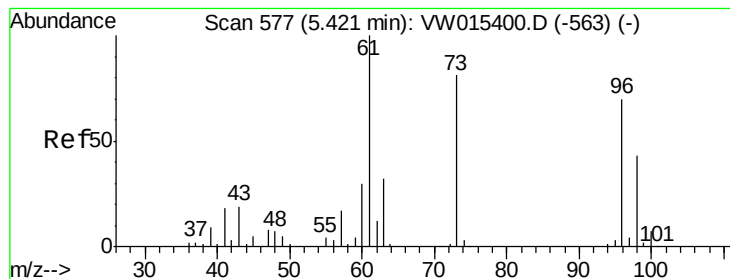


#20

Methylene Chloride
 Concen: 20.071 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

Tgt Ion: 84 Resp: 50677
 Ion Ratio Lower Upper
 84 100
 49 122.9 106.4 159.6
 51 37.9 30.2 45.2
 86 60.3 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 20.369 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Instrument :

MSVOA_W

ClientSampleId :

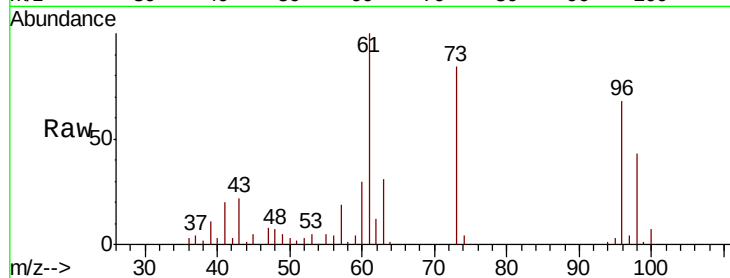
Tot Ion: 96 Resp: 50643

Ion Ratio Lower Upper

96 100

61 148.1 114.9 172.3

98 63.6 49.4 74.0

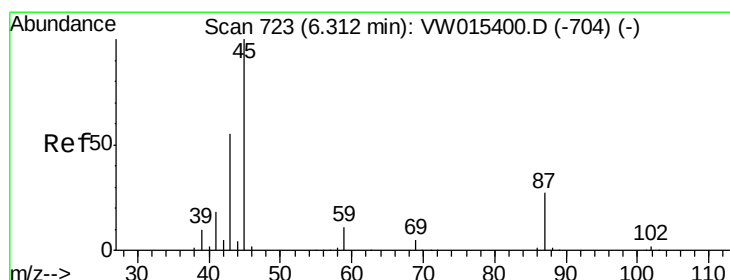
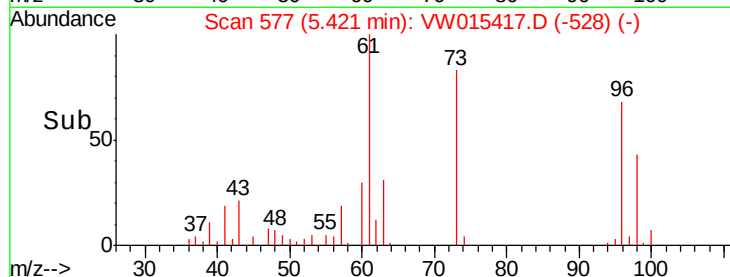
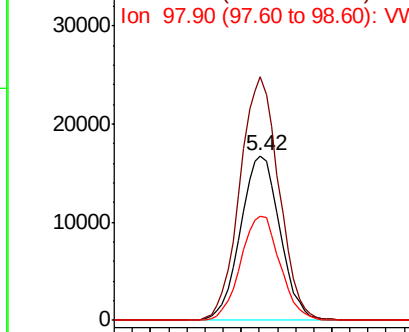


Abundance

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: 20.222 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Tgt Ion: 45 Resp: 151646

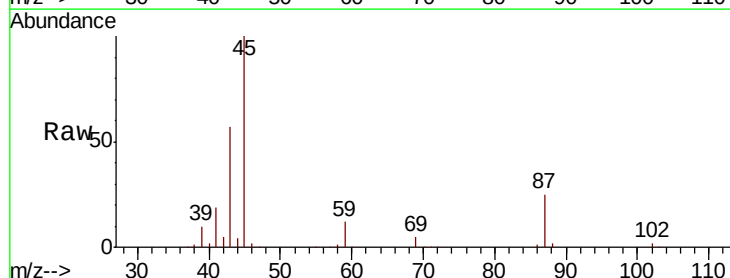
Ion Ratio Lower Upper

45 100

43 56.0 44.2 66.4

87 25.4 21.6 32.4

59 11.5 9.0 13.6



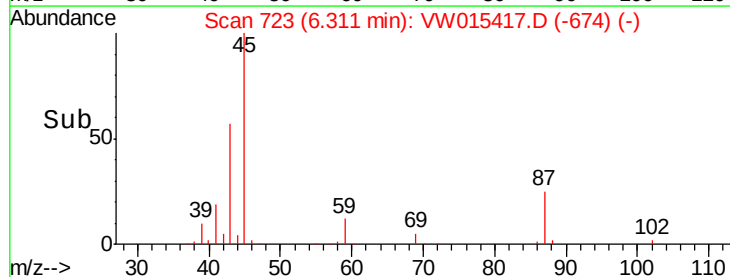
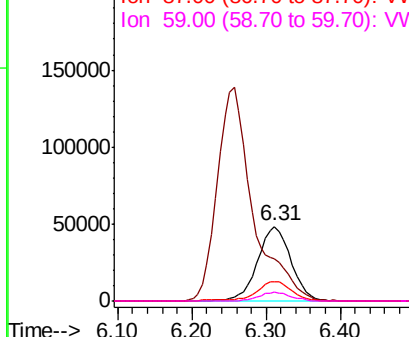
Abundance

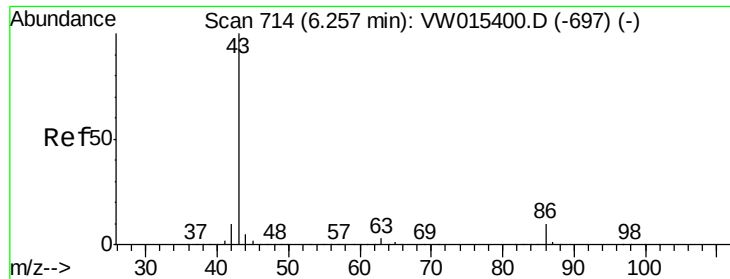
Ion 45.00 (44.70 to 45.70): VW

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: 101.928 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

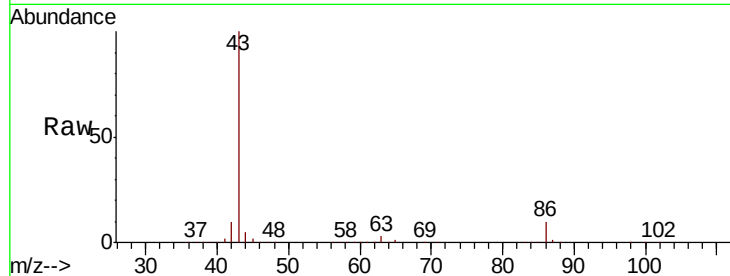
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 464651

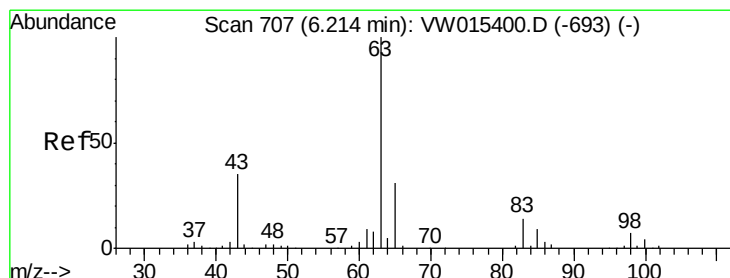
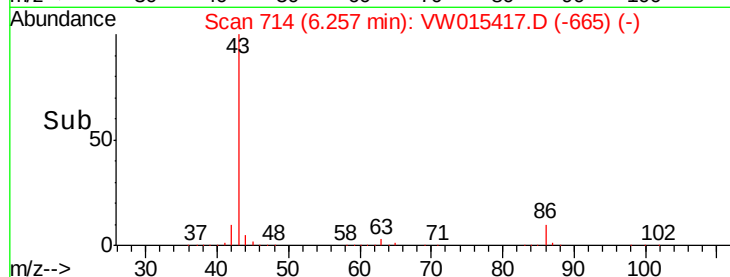
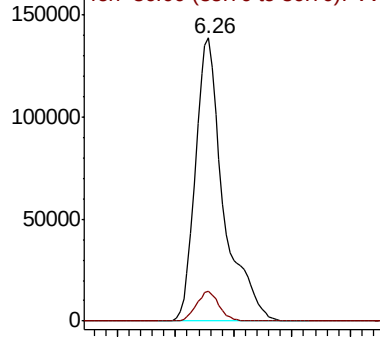
Ion Ratio Lower Upper

43 100

86 10.4 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.200 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

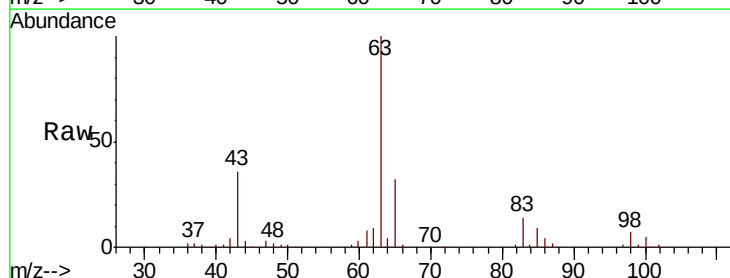
Tgt Ion: 63 Resp: 90813

Ion Ratio Lower Upper

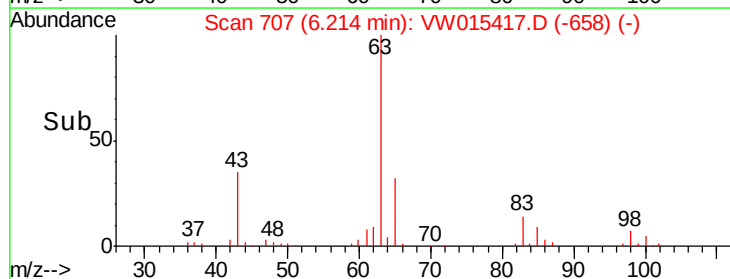
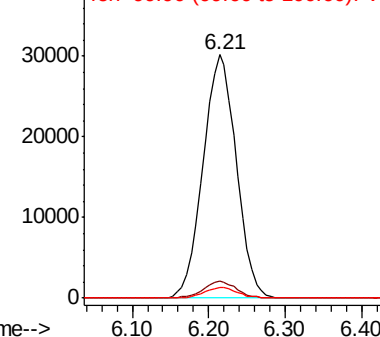
63 100

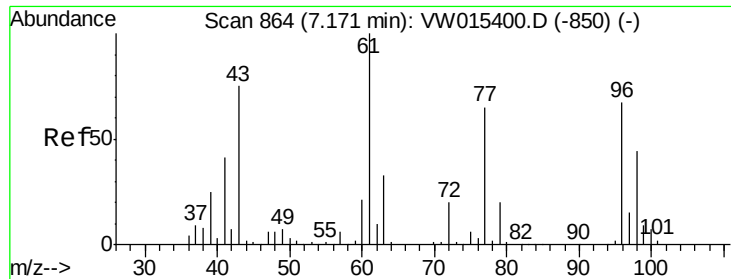
98 6.8 3.5 10.4

100 4.5 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW

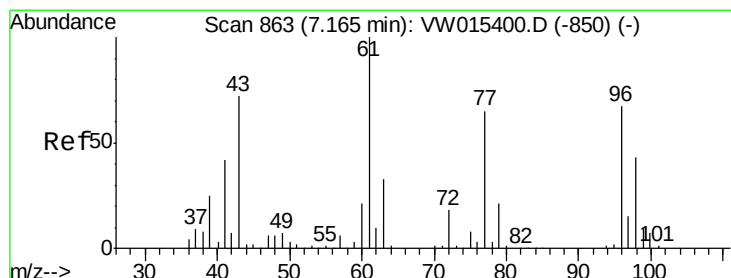
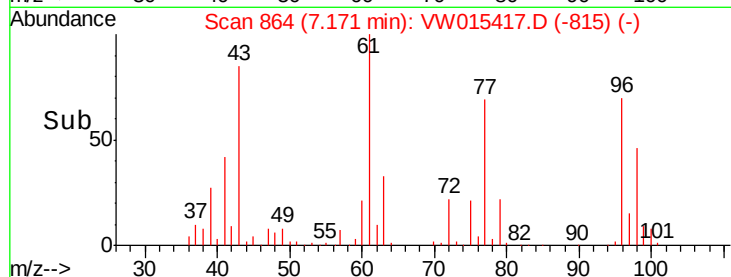
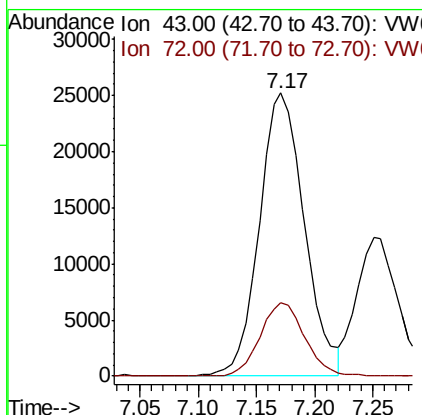
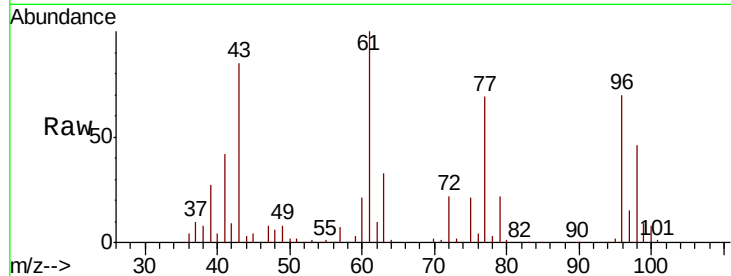




#25
2-Butanone
Concen: 111.414 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

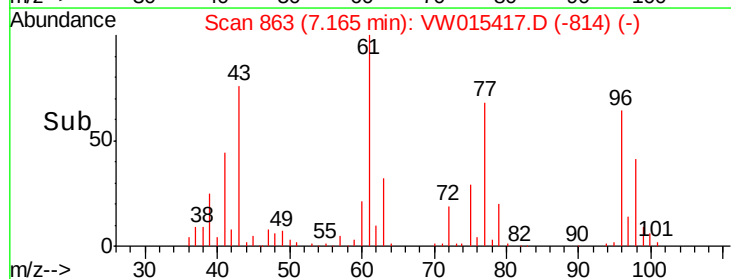
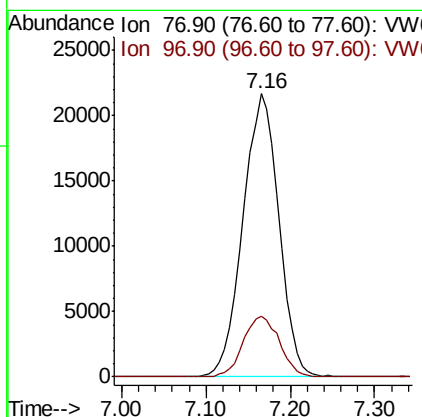
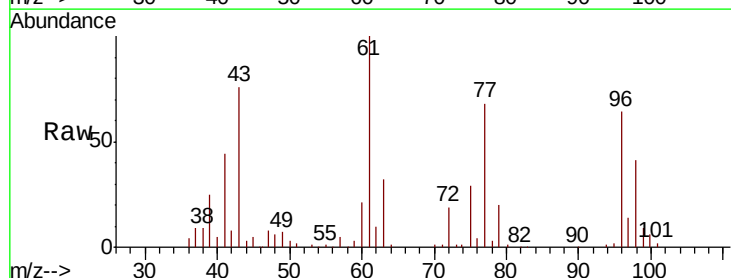
Instrument :
MSVOA_W
ClientSampled :

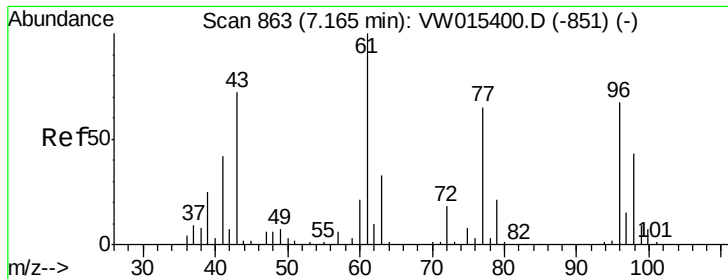
Tot Ion: 43 Resp: 67202
Ion Ratio Lower Upper
43 100
72 26.2 21.4 32.0



#26
2,2-Dichloropropane
Concen: 21.025 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

Tgt Ion: 77 Resp: 62650
Ion Ratio Lower Upper
77 100
97 21.5 11.1 33.1



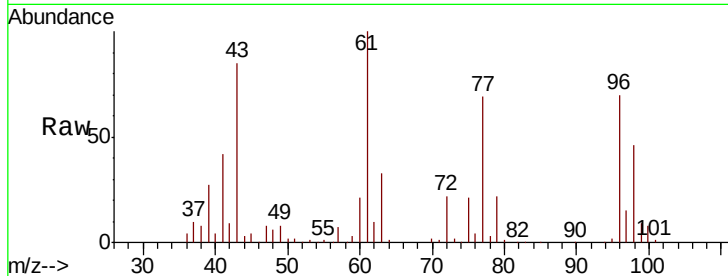


#27

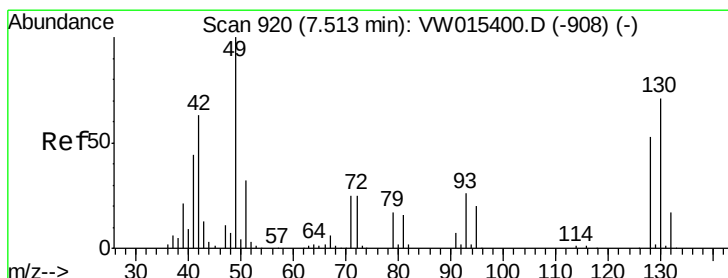
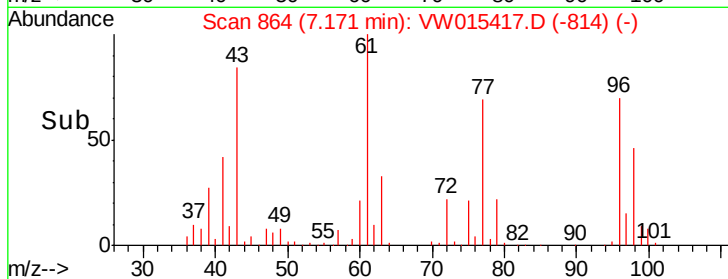
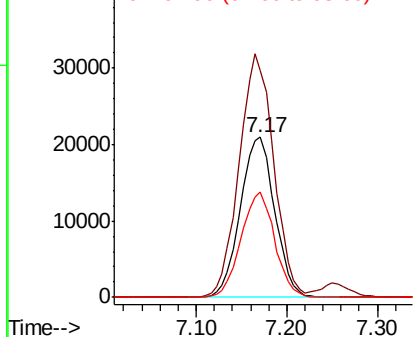
cis-1,2-Dichloroethene
Concen: 20.421 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 55131
Ion Ratio Lower Upper
96 100
61 152.9 0.0 304.6
98 64.1 0.0 129.2



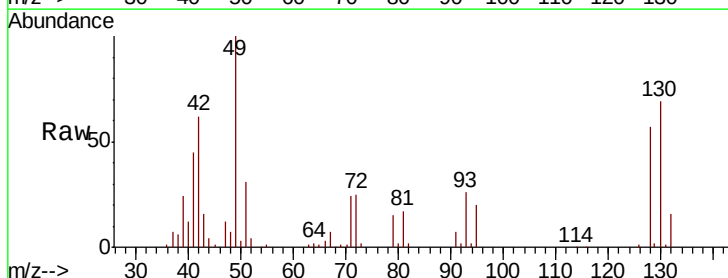
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



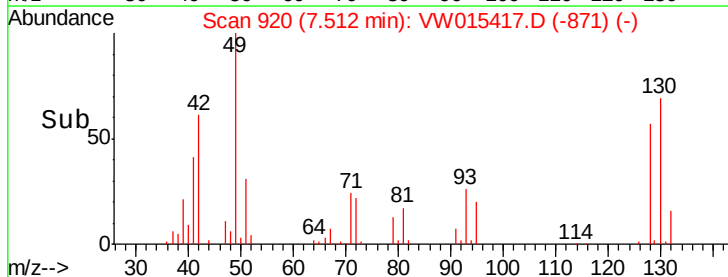
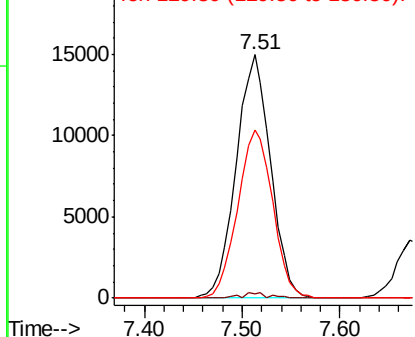
#28

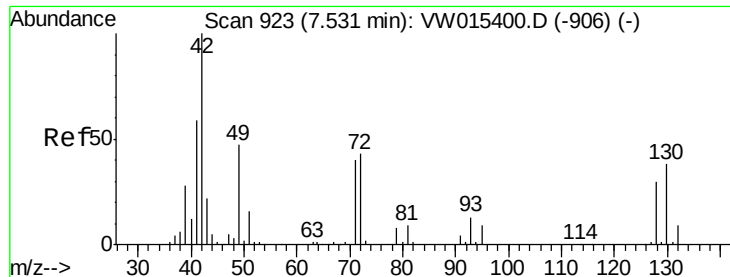
Bromochloromethane
Concen: 20.270 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

Tgt Ion: 49 Resp: 36642
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.0
130 70.1 57.0 85.4



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

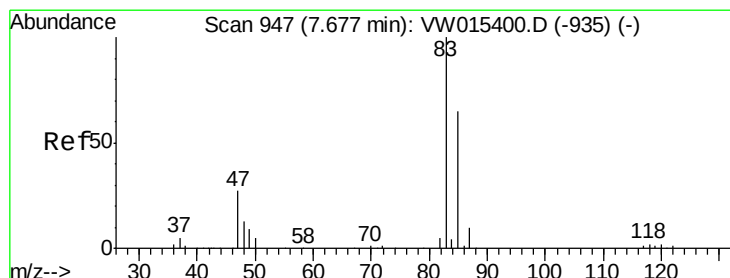
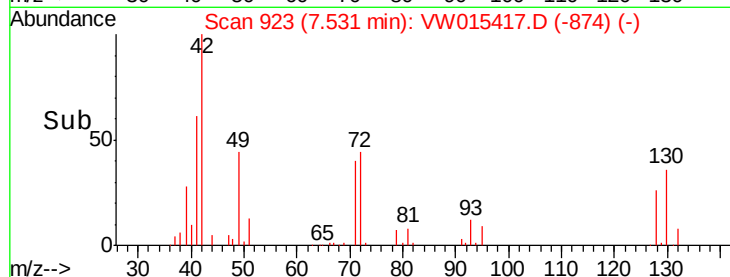
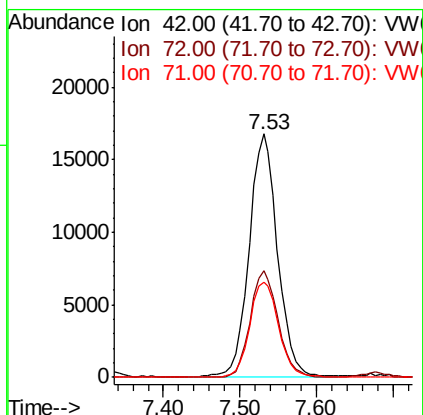
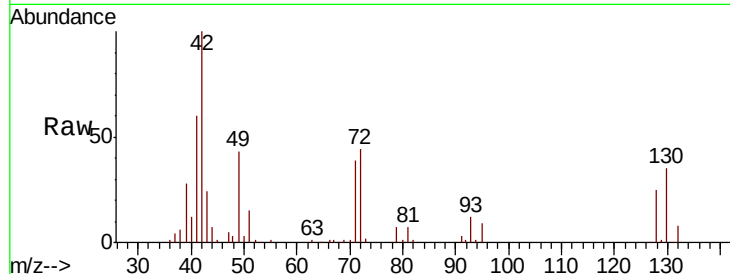




#29
Tetrahydrofuran
Concen: 109.935 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

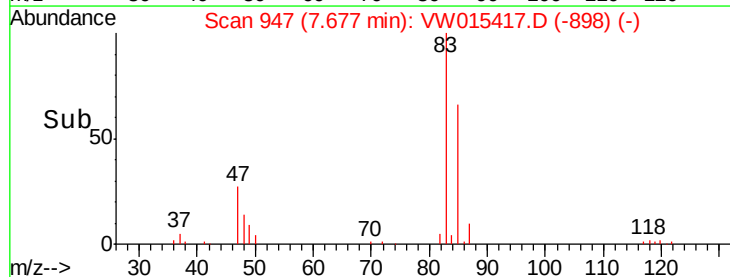
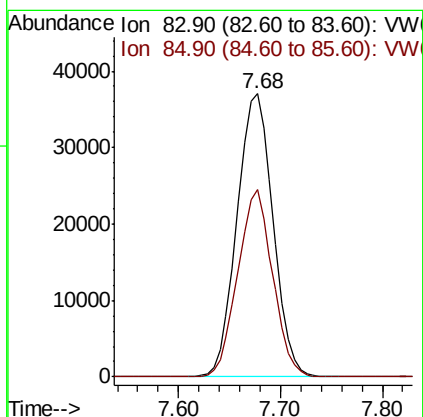
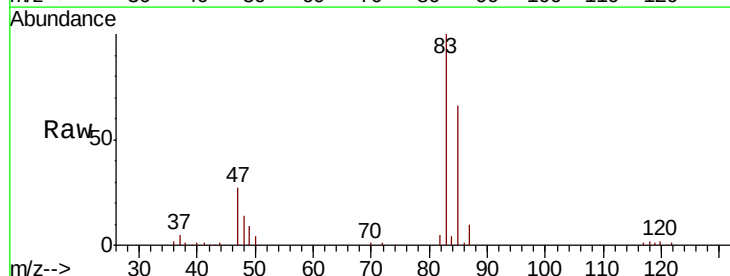
Instrument :
MSVOA_W
ClientSampleId :

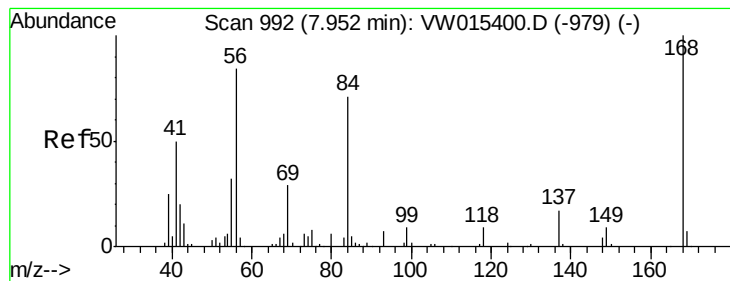
Tot Ion: 42 Resp: 43639
Ion Ratio Lower Upper
42 100
72 42.6 33.6 50.4
71 39.7 32.1 48.1



#30
Chloroform
Concen: 20.363 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

Tgt Ion: 83 Resp: 90960
Ion Ratio Lower Upper
83 100
85 66.3 51.8 77.6





#31

Cyclohexane

Concen: 19.814 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Instrument :

MSVOA_W

ClientSampleId :

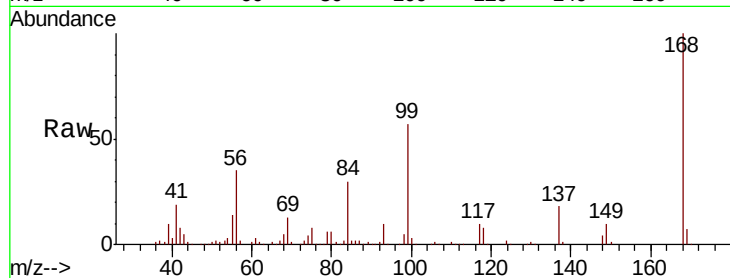
Tot Ion: 56 Resp: 90445

Ion Ratio Lower Upper

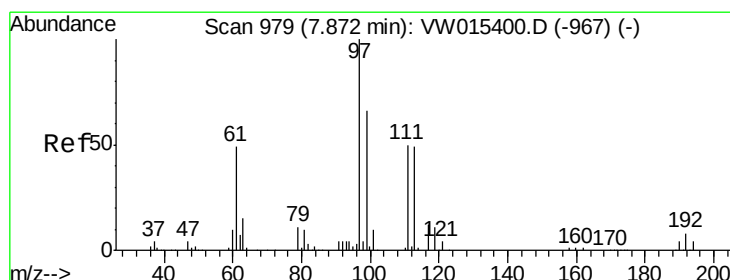
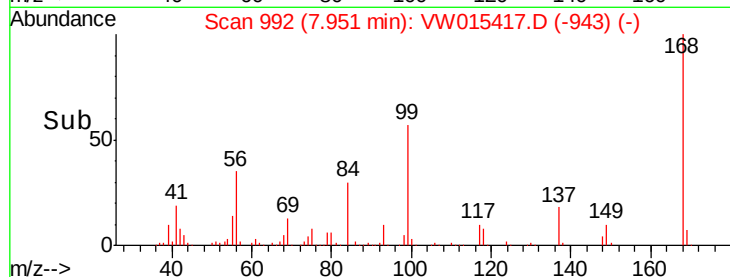
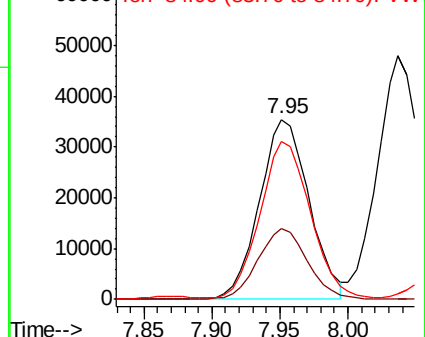
56 100

69 39.1 27.2 40.8

84 86.5 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: 20.552 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

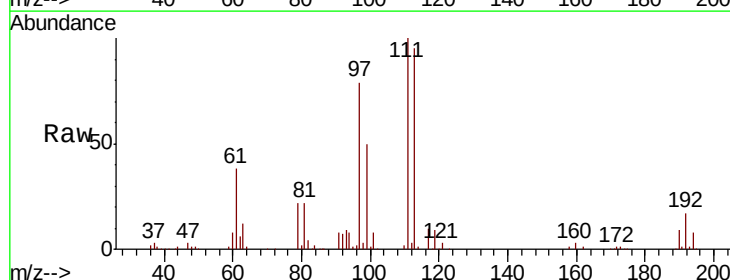
Tgt Ion: 97 Resp: 77156

Ion Ratio Lower Upper

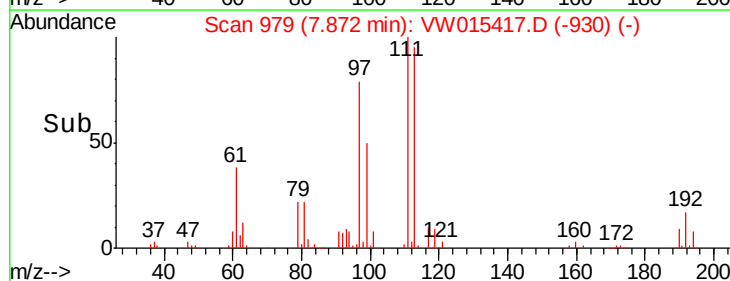
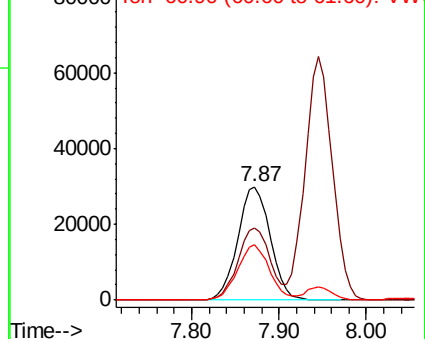
97 100

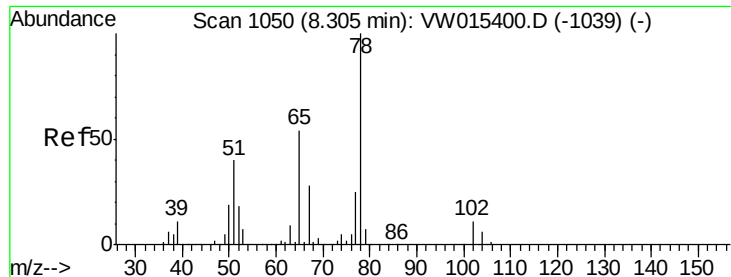
99 62.4 50.7 76.1

61 47.8 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

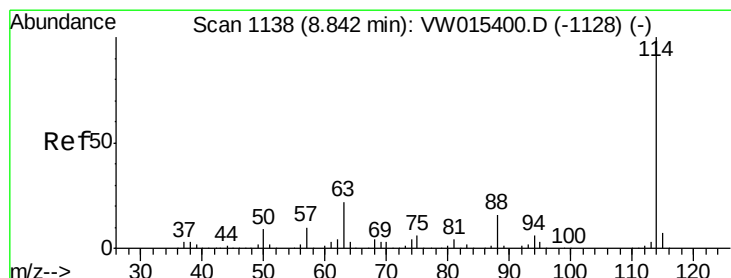
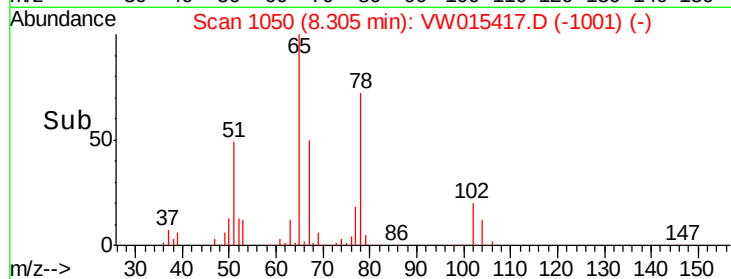
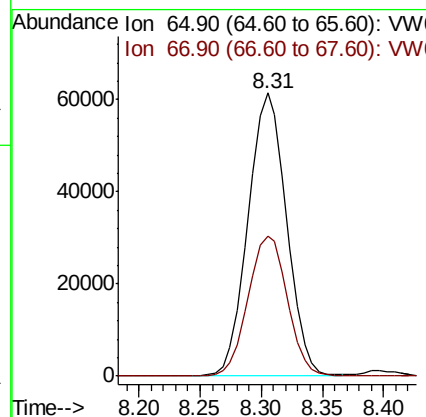
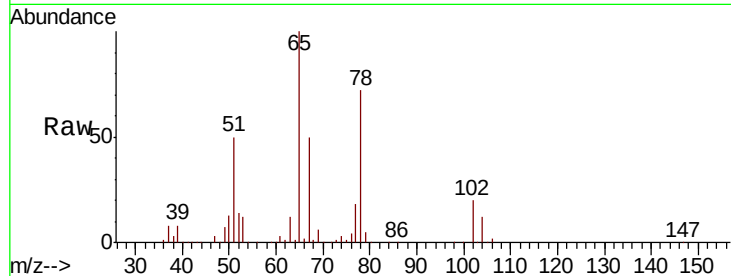




#33
 1,2-Dichloroethane-d4
 Concen: 54.001 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

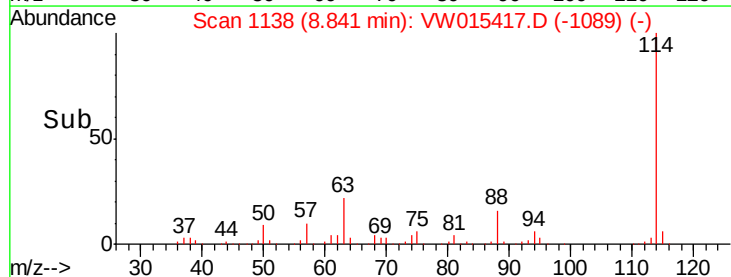
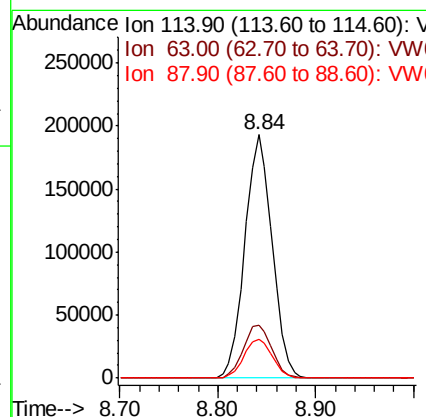
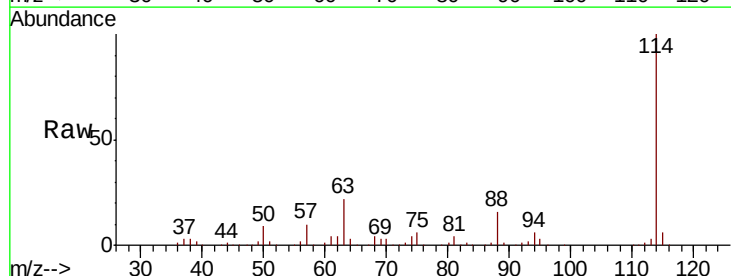
Instrument :
 MSVOA_W
 ClientSampleId :

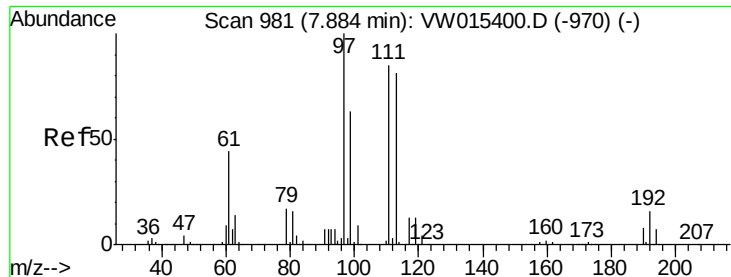
Tot Ion: 65 Resp: 134517
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

Tgt Ion: 114 Resp: 372709
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.4
 88 15.9 0.0 31.8

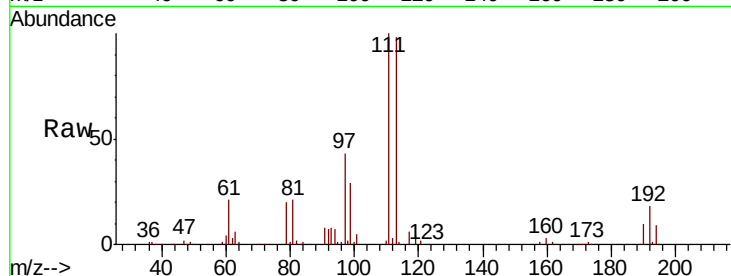




#35
 Dibromofluoromethane
 Concen: 54.089 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.9	124.3
192	18.9	15.4	23.0

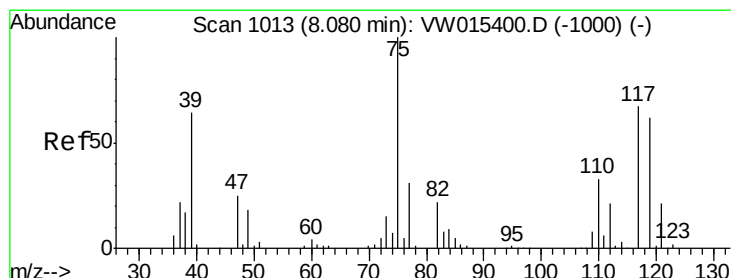
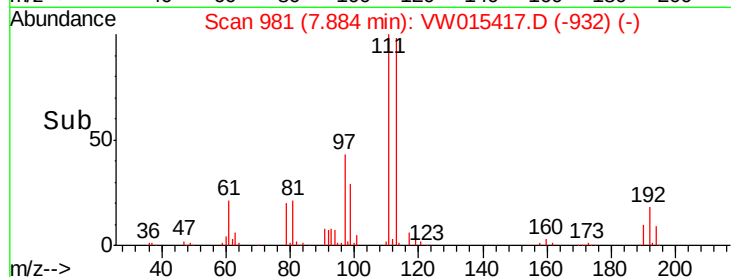
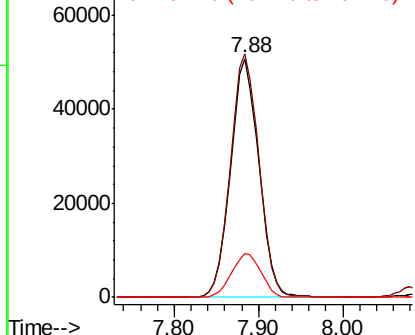


Abundance

Ion 112.80 (112.50 to 113.50): V

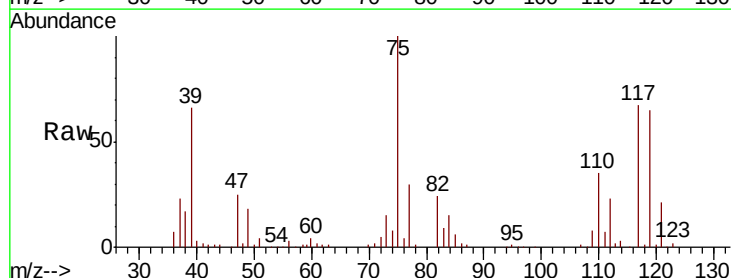
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 20.484 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.6	49.8
77	30.7	24.5	36.7

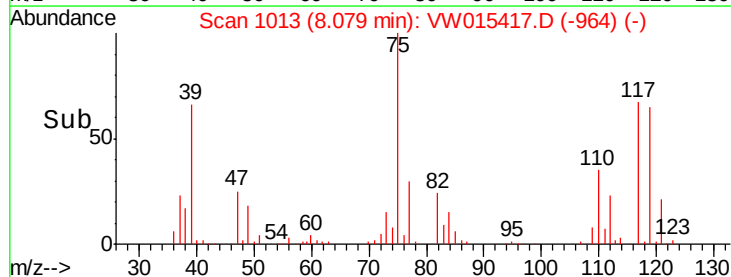
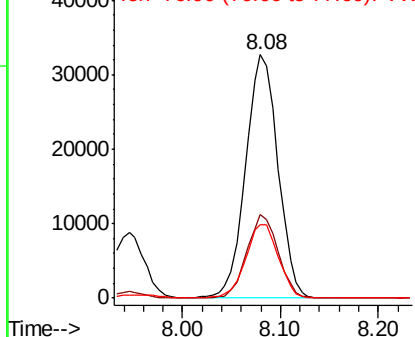


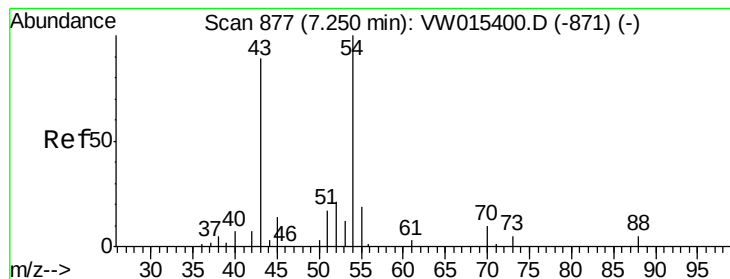
Abundance

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: 21.553 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Instrument :

MSVOA_W

ClientSampleId :

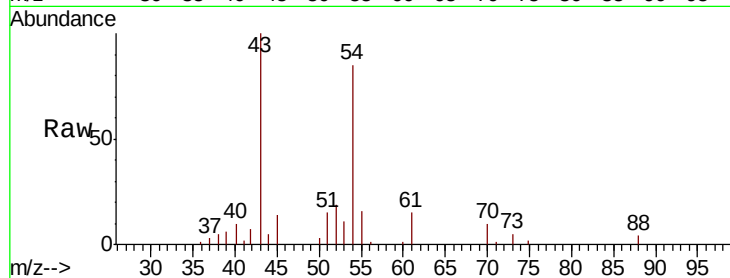
Tot Ion: 43 Resp: 30624

Ion Ratio Lower Upper

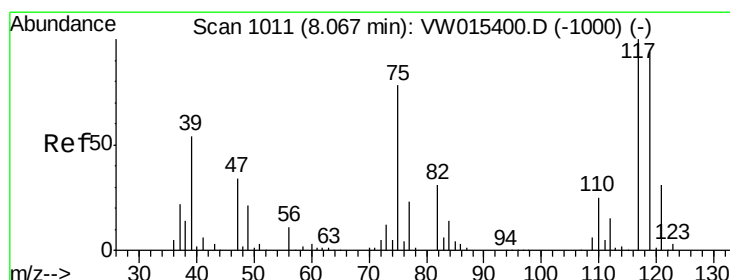
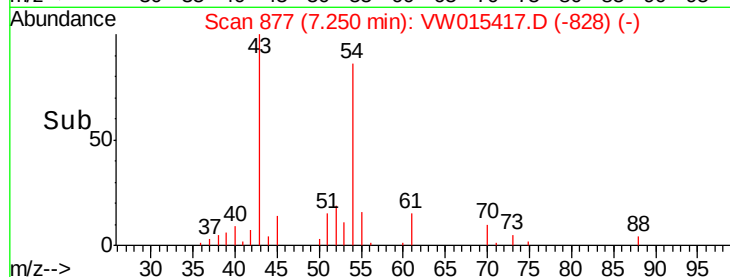
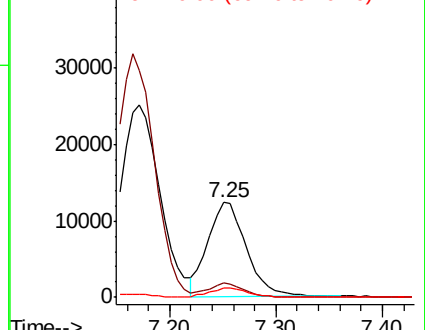
43 100

61 14.0 10.2 15.2

70 10.2 8.0 12.0



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



#38

Carbon Tetrachloride

Concen: 20.735 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

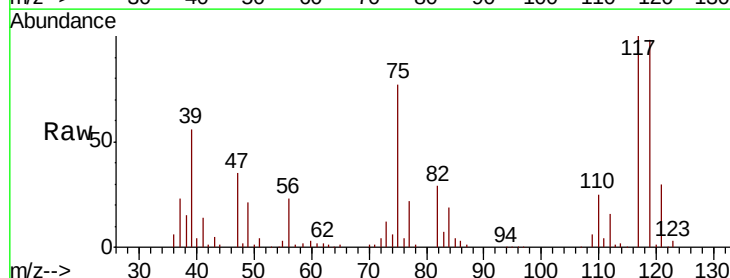
Tgt Ion: 117 Resp: 70983

Ion Ratio Lower Upper

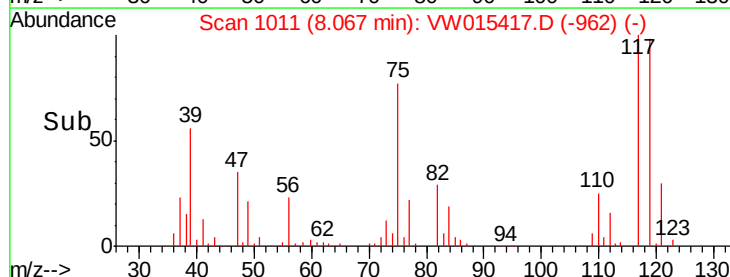
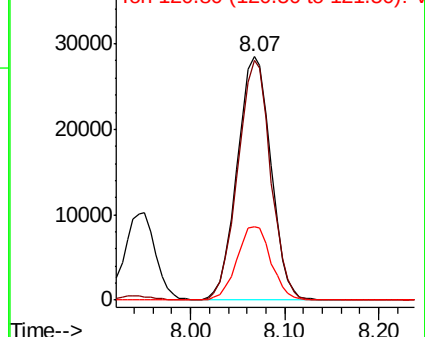
117 100

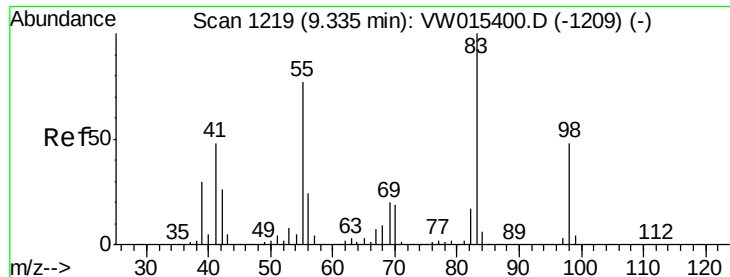
119 98.4 75.4 113.0

121 30.3 24.8 37.2



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

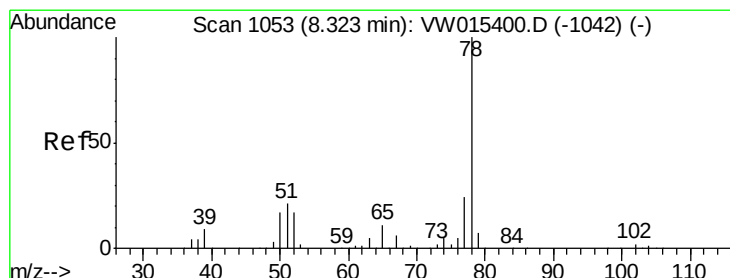
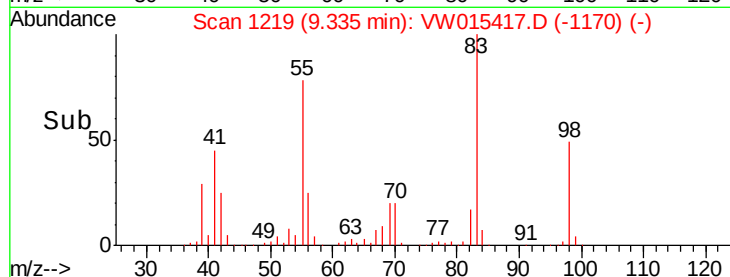
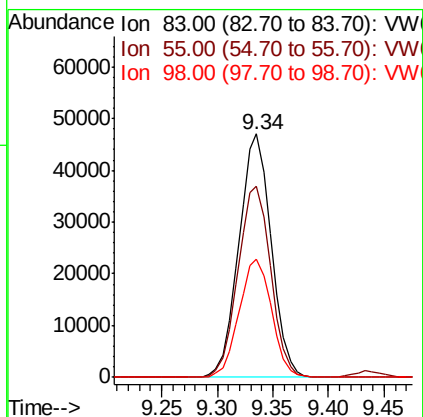
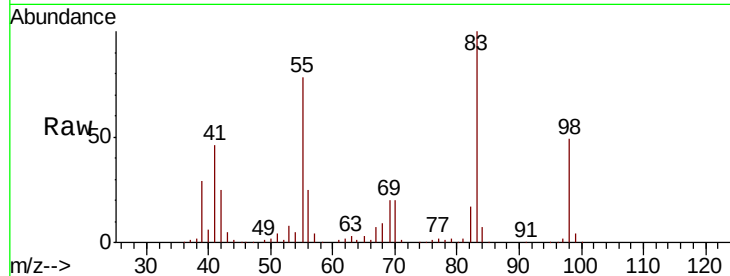




#39
Methylvlcyclohexane
Concen: 20.423 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

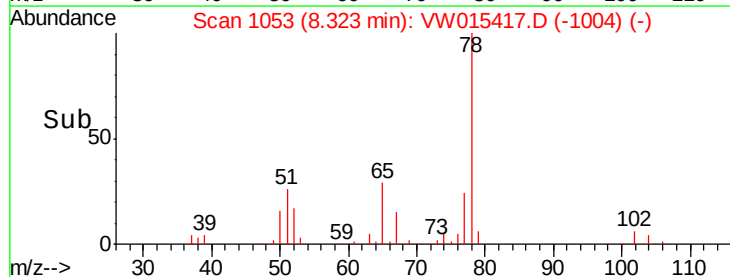
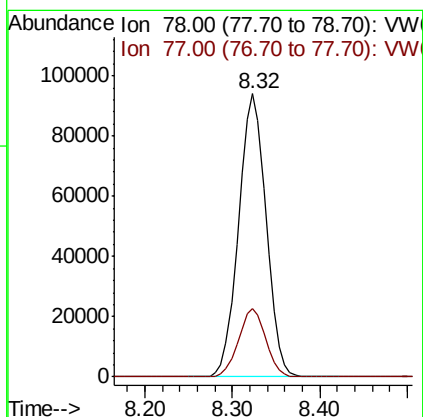
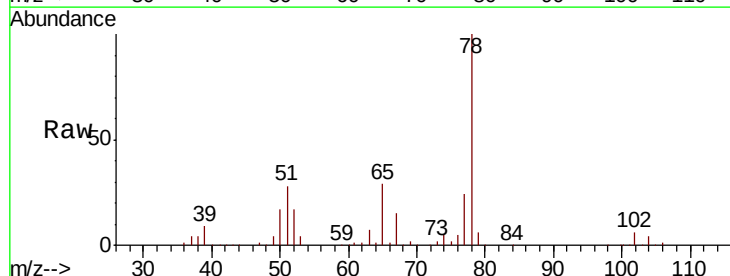
Instrument :
MSVOA_W
ClientSampleId :

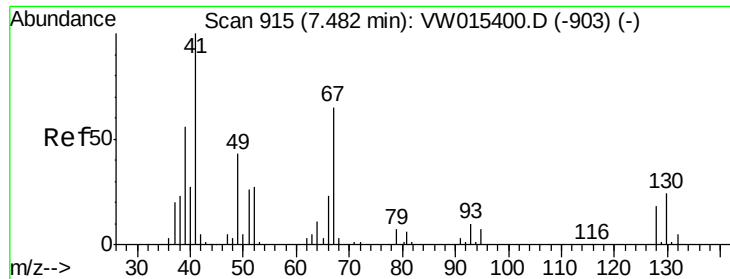
Tot Ion: 83 Resp: 94664
Ion Ratio Lower Upper
83 100
55 78.5 61.9 92.9
98 48.6 38.2 57.2



#40
Benzene
Concen: 20.543 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

Tgt Ion: 78 Resp: 205161
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4

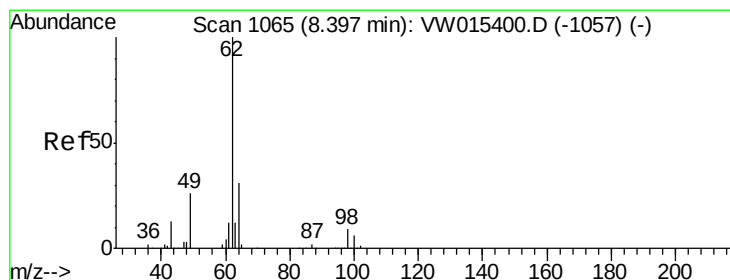
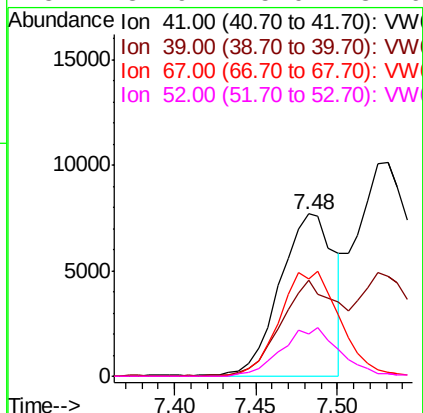
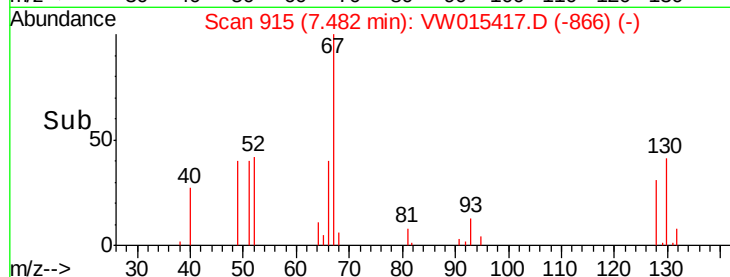
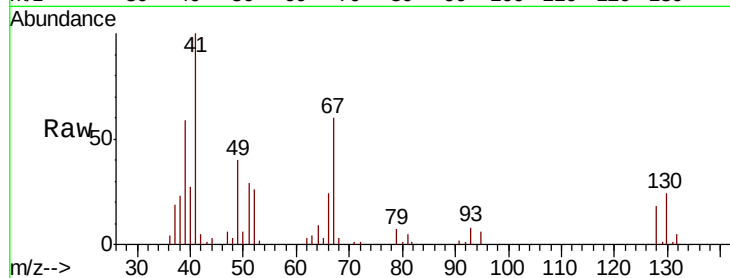




#41
Methacrylonitrile
Concen: 19.889 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

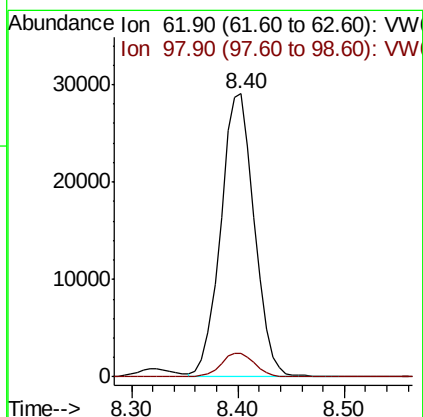
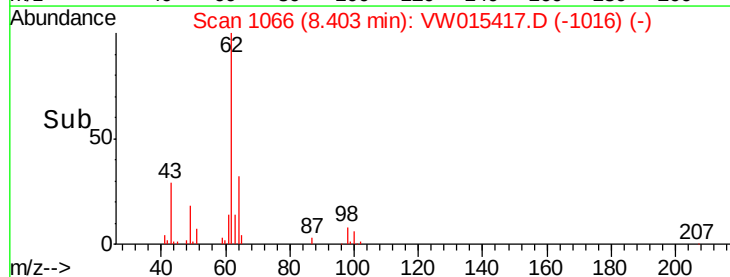
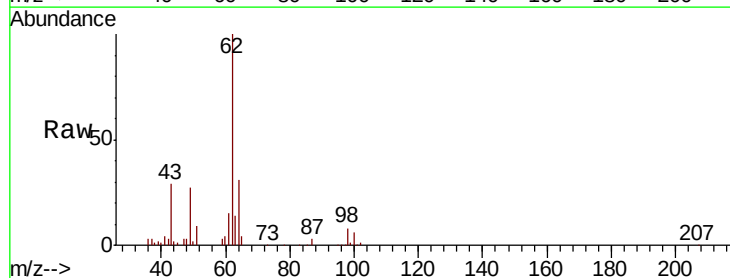
Instrument :
MSVOA_W
ClientSampled :

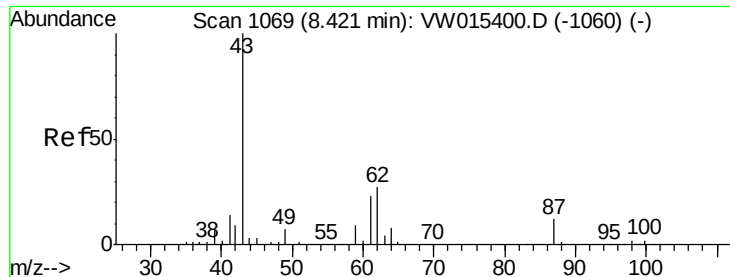
Tot Ion:	41	Resp:	17855
Ion	Ratio	Lower	Upper
41	100		
39	63.6	46.2	69.4
67	72.0	56.2	84.2
52	31.9	25.0	37.6



#42
1,2-Dichloroethane
Concen: 20.989 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

Tgt Ion:	62	Resp:	63847
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.6





#43

Isopropyl Acetate

Concen: 21.166 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Instrument :

MSVOA_W

ClientSampleId :

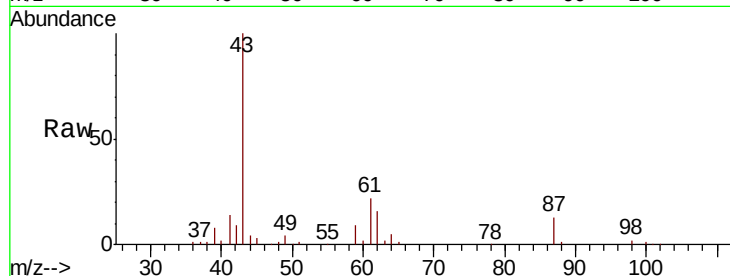
Tot Ion: 43 Resp: 63247

Ion Ratio Lower Upper

43 100

61 30.2 24.3 36.5

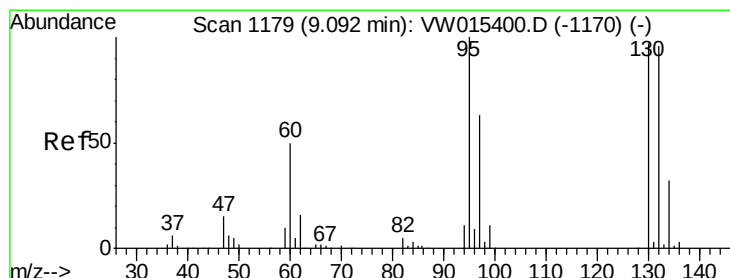
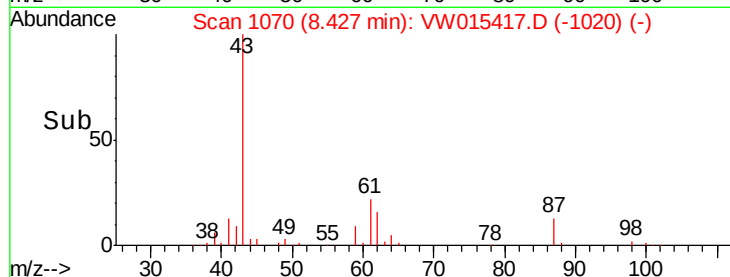
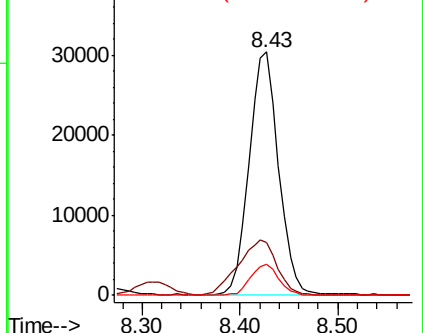
87 12.4 10.1 15.1



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: 20.622 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015417.D

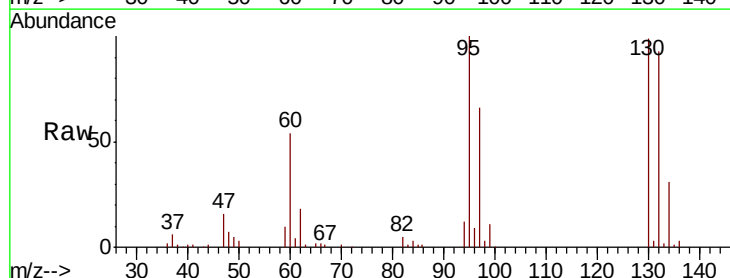
Acq: 07 May 2020 13:50

Tgt Ion: 130 Resp: 53379

Ion Ratio Lower Upper

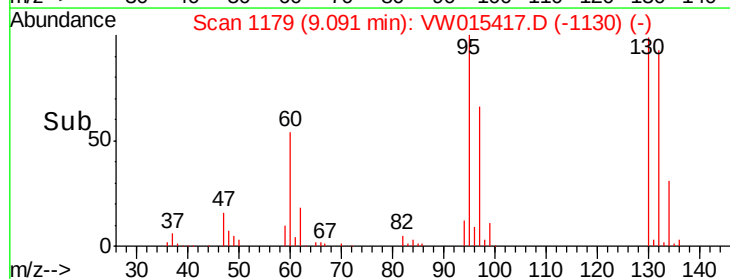
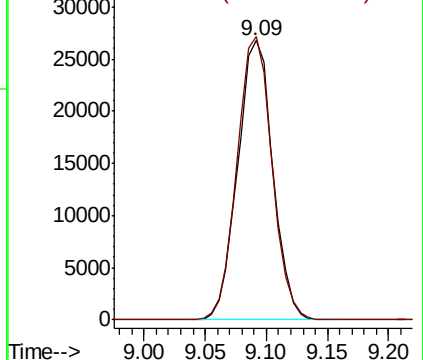
130 100

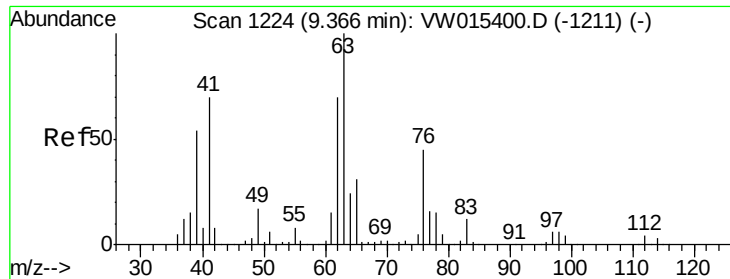
95 101.4 0.0 205.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

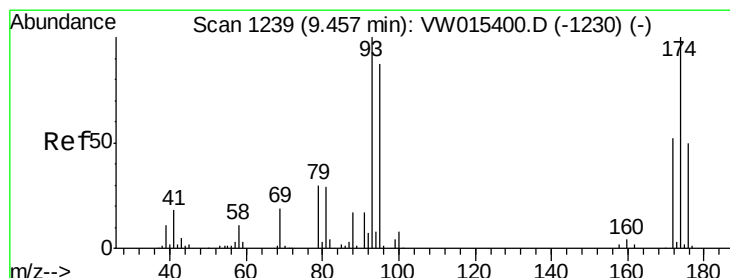
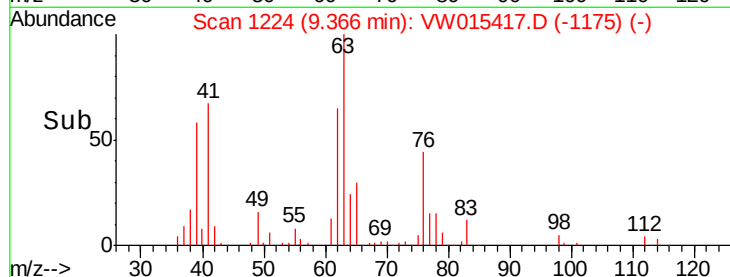
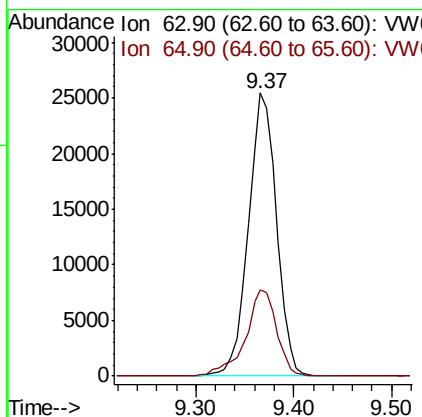
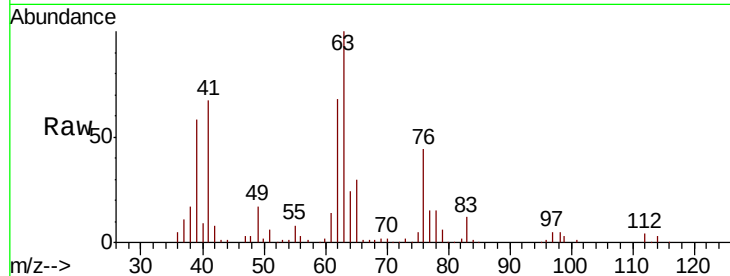




#45
 1,2-Dichloropropane
 Concen: 20.580 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

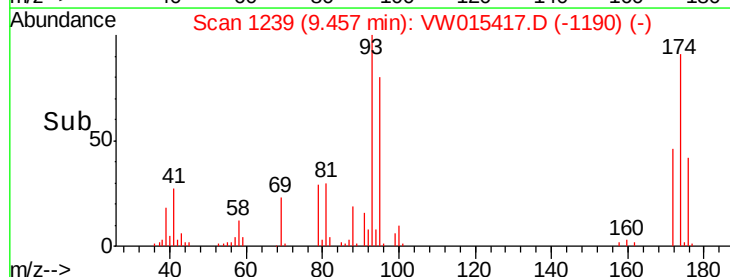
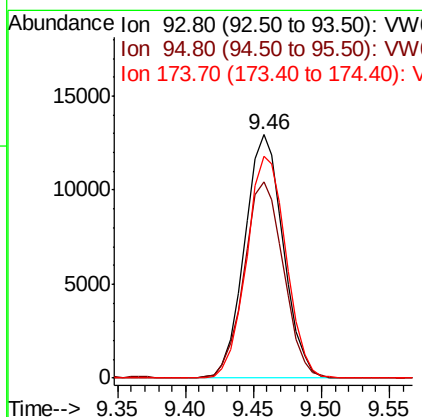
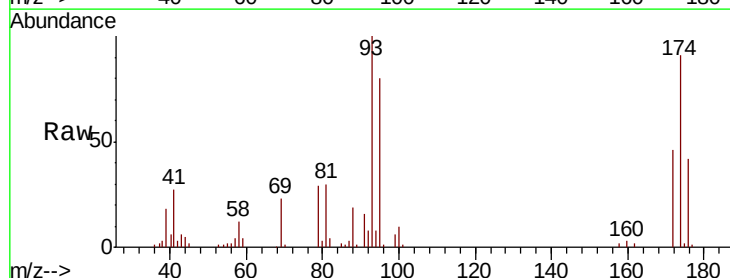
Instrument :
 MSVOA_W
 ClientSampleId :

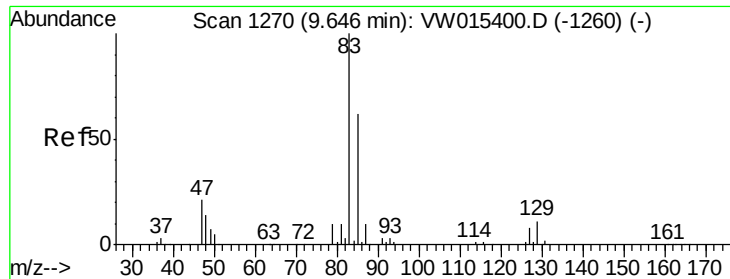
Tot Ion: 63 Resp: 50773
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6



#46
 Dibromomethane
 Concen: 20.908 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

Tgt Ion: 93 Resp: 25656
 Ion Ratio Lower Upper
 93 100
 95 82.5 67.0 100.4
 174 93.4 78.4 117.6





#47

Bromodichloromethane

Concen: 20.769 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Instrument :

MSVOA_W

ClientSampleId :

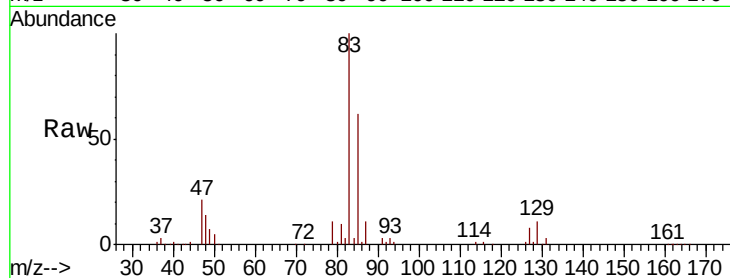
Tot Ion: 83 Resp: 69454

Ion Ratio Lower Upper

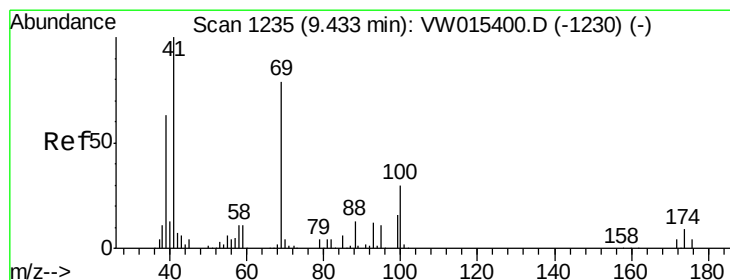
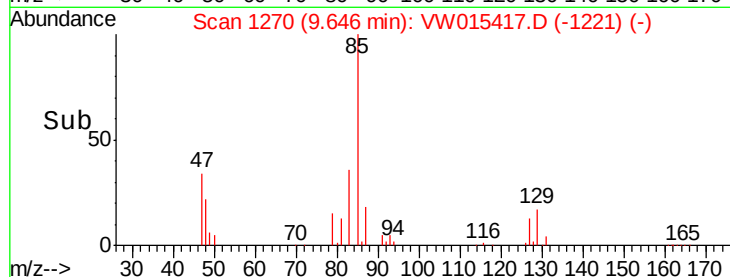
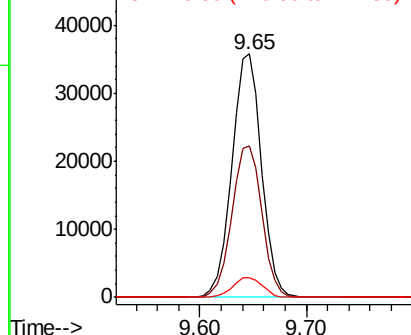
83 100

85 62.3 49.4 74.0

127 7.9 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 23.345 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

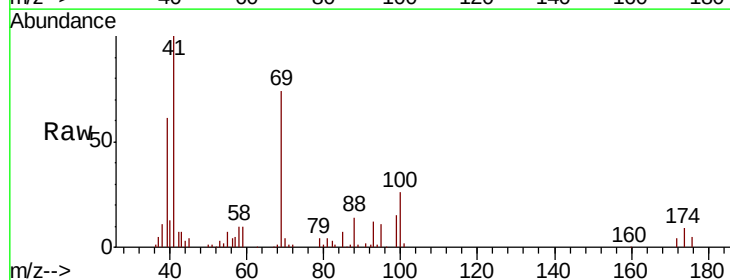
Tgt Ion: 41 Resp: 32223

Ion Ratio Lower Upper

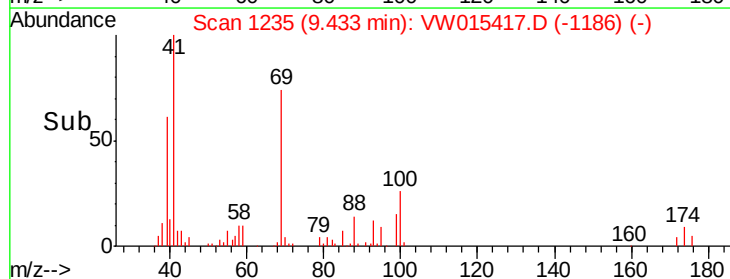
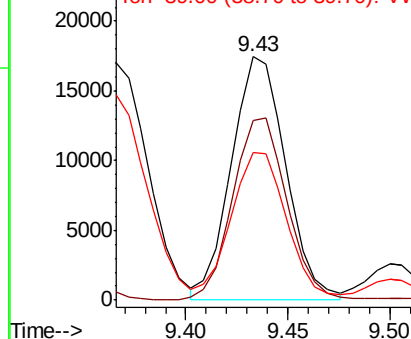
41 100

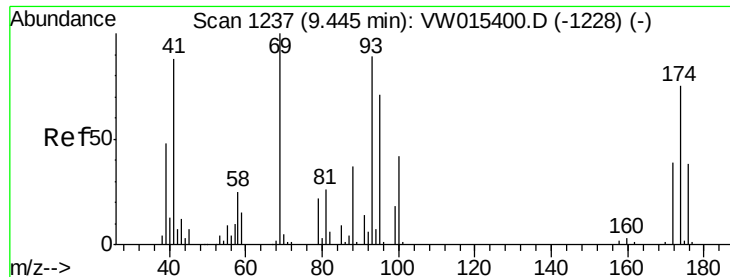
69 76.1 66.2 99.4

39 57.3 51.1 76.7



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





#49

1,4-Dioxane

Concen: 464.831 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Instrument :

MSVOA_W

ClientSampleId :

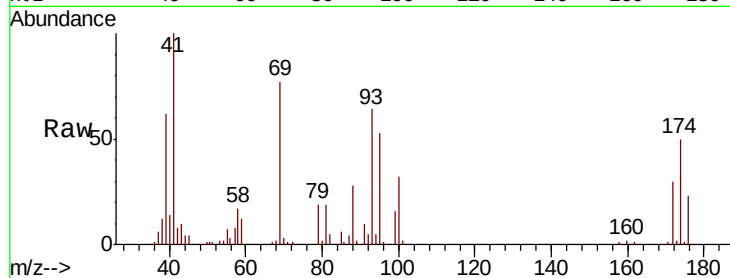
Tot Ion: 88 Resp: 7178

Ion Ratio Lower Upper

88 100

43 40.7 30.6 45.8

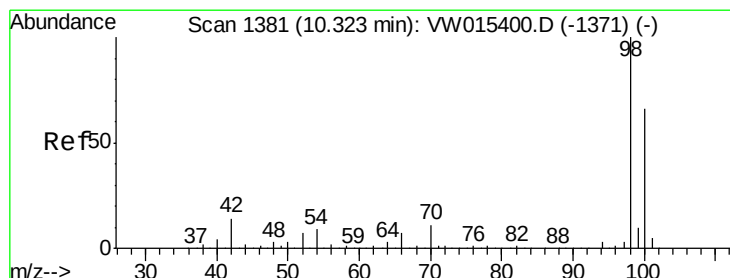
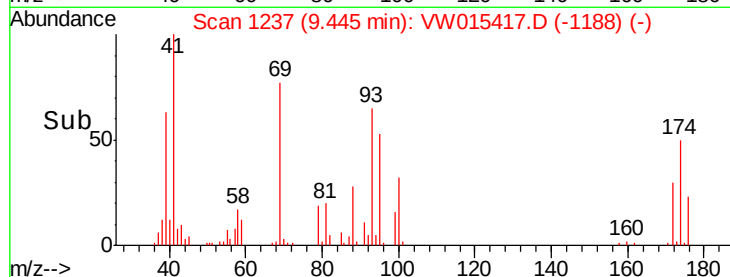
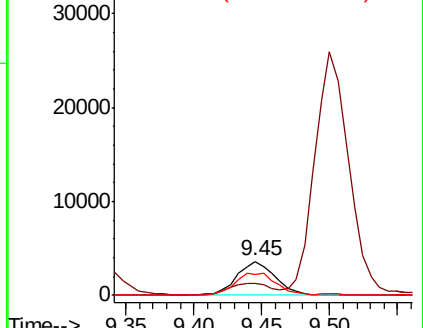
58 71.9 56.3 84.5



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 53.677 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015417.D

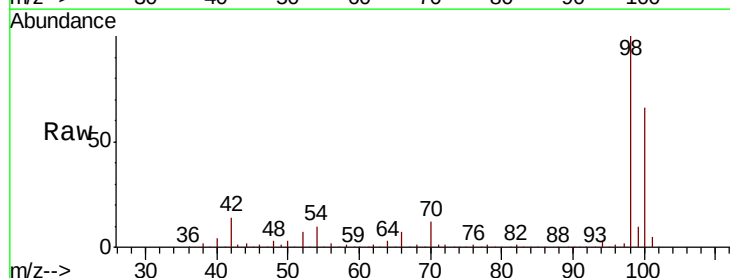
Acq: 07 May 2020 13:50

Tgt Ion: 98 Resp: 475190

Ion Ratio Lower Upper

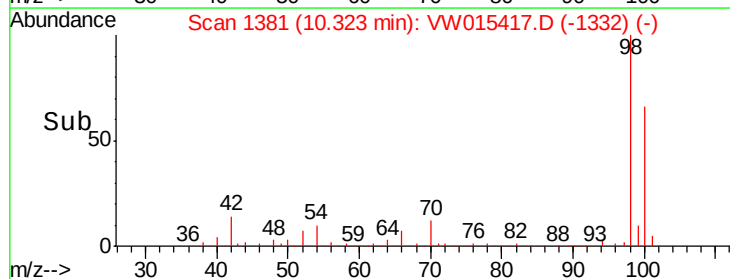
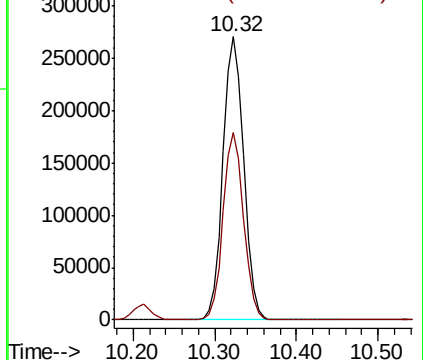
98 100

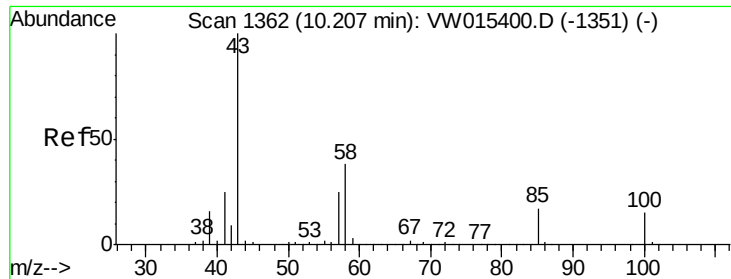
100 65.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

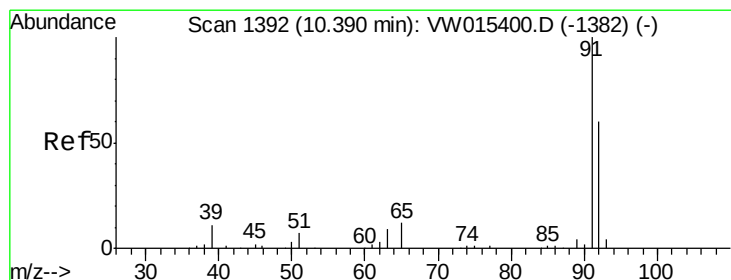
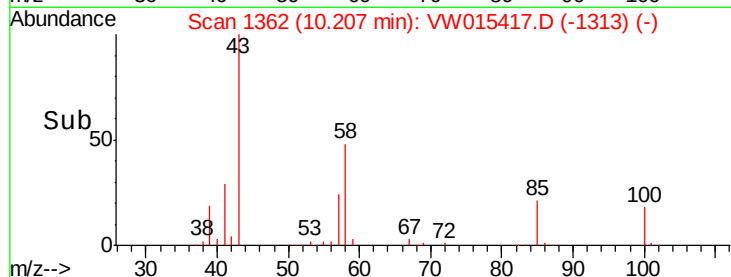
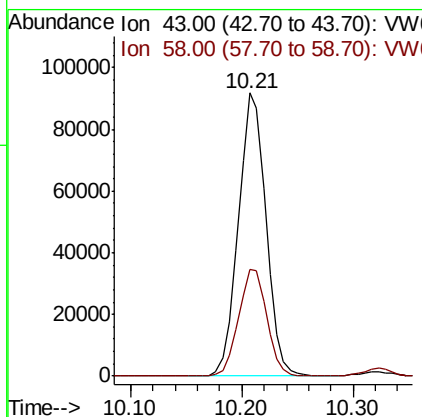
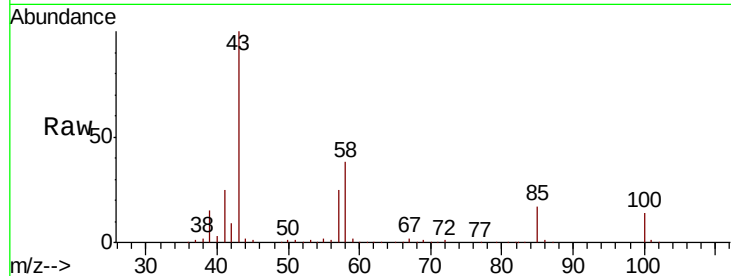




#51
 4-Methyl-2-Pentanone
 Concen: 112.207 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

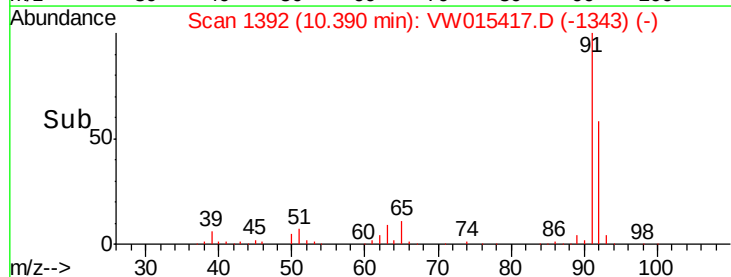
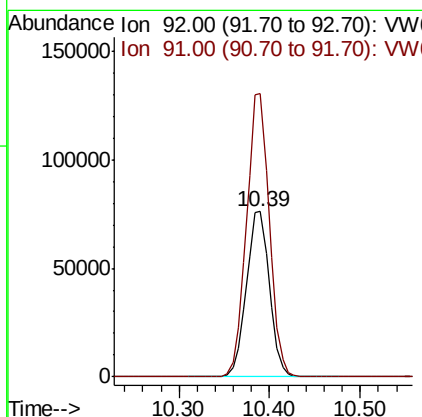
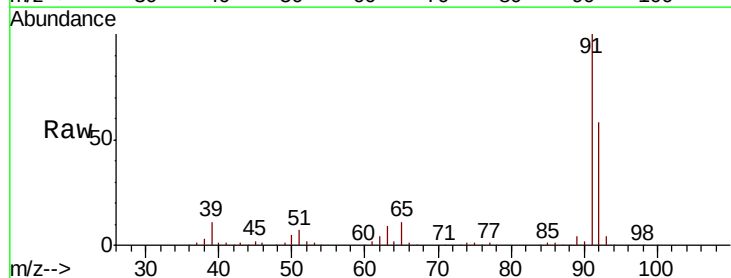
Instrument :
 MSVOA_W
 ClientSampled :

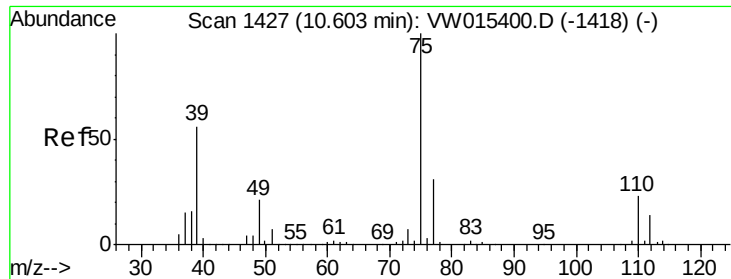
Tot Ion: 43 Resp: 157135
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.8 46.2



#52
 Toluene
 Concen: 20.675 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

Tgt Ion: 92 Resp: 134180
 Ion Ratio Lower Upper
 92 100
 91 169.5 135.9 203.9

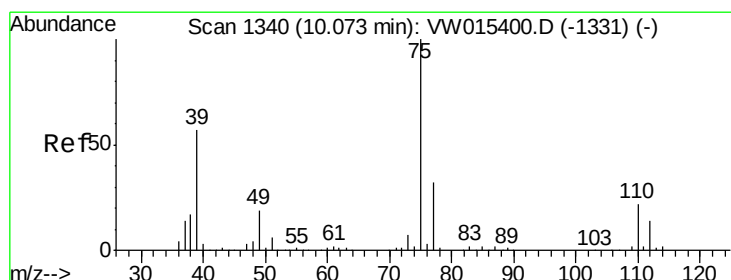
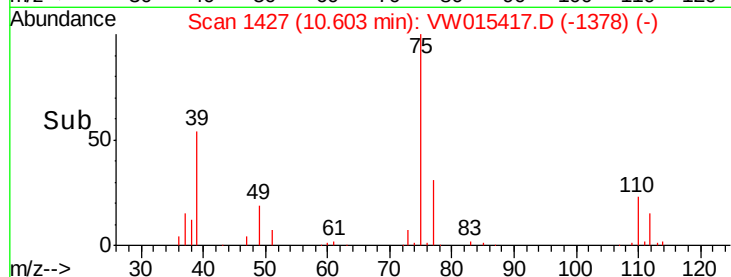
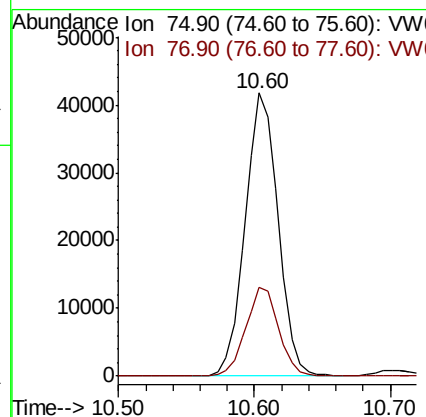
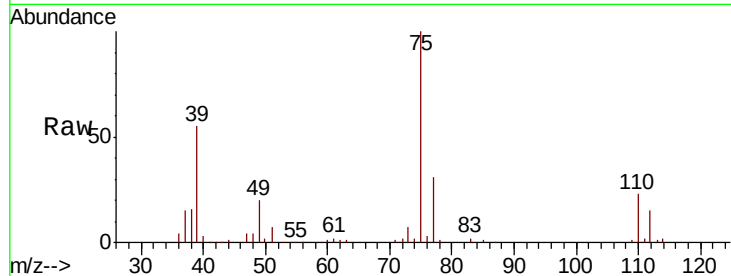




#53
 t-1,3-Dichloropropene
 Concen: 20.665 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

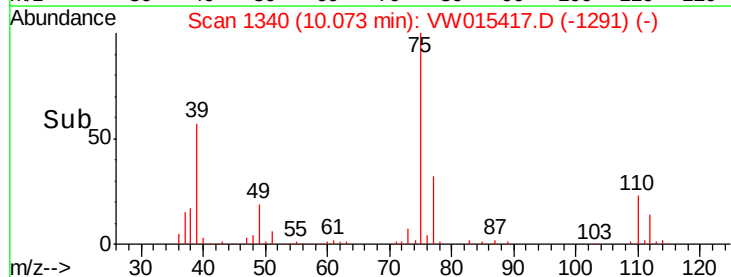
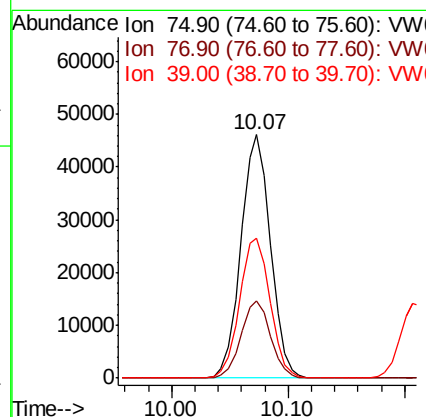
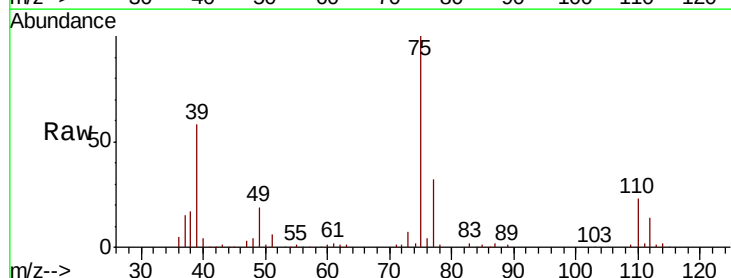
Instrument :
 MSVOA_W
 ClientSampled :

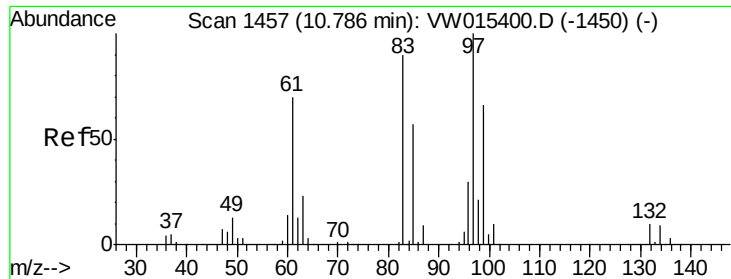
Tot Ion: 75 Resp: 70538
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 20.365 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

Tgt Ion: 75 Resp: 81850
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.6 38.4
 39 57.7 45.6 68.4

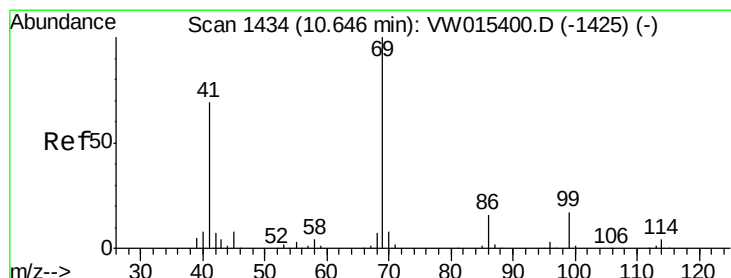
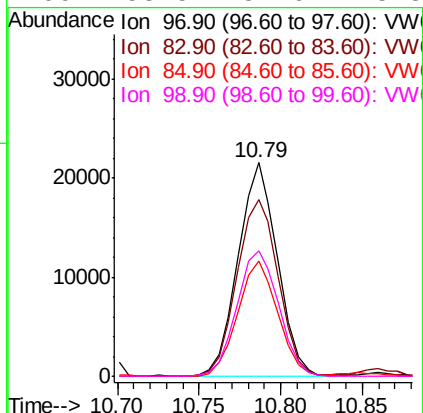
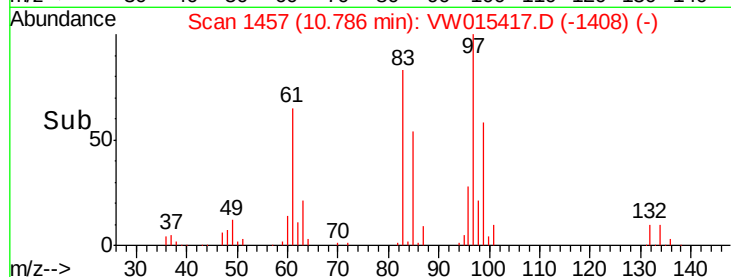
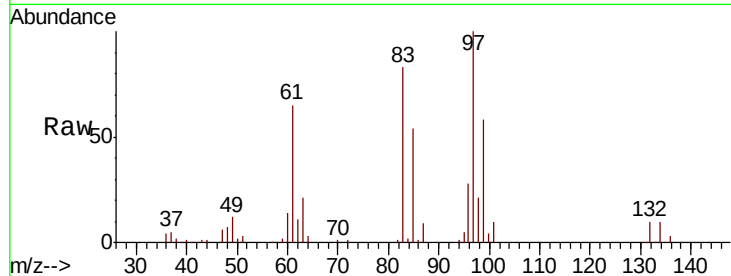




#55
 1,1,2-Trichloroethane
 Concen: 20.734 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

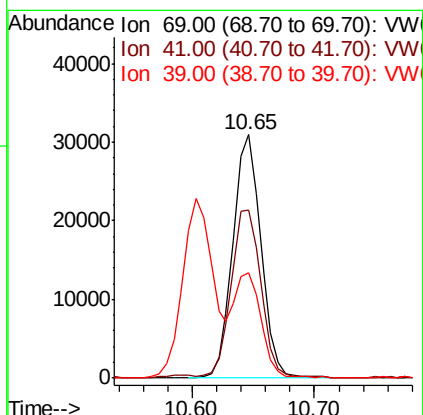
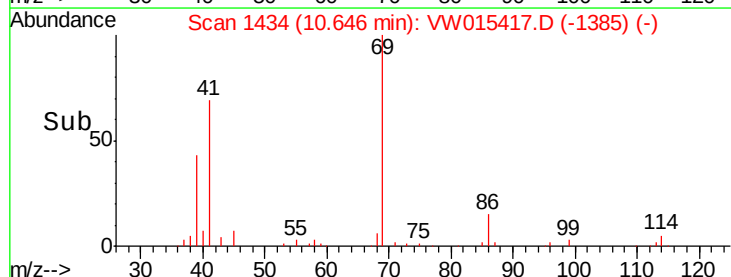
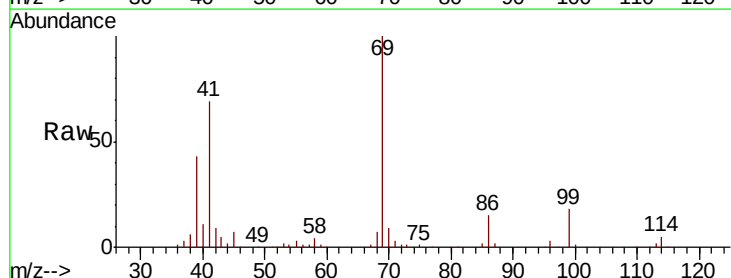
Instrument :
 MSVOA_W
 ClientSampleId :

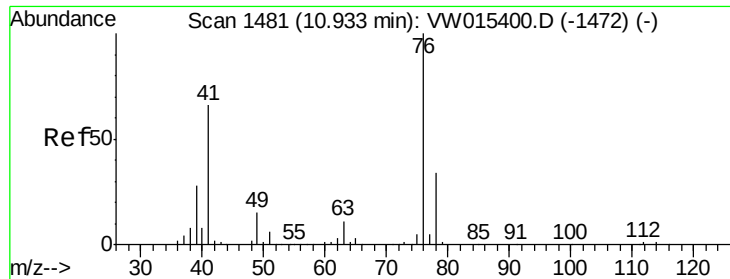
Tot Ion:	97	Resp:	35978
Ion	Ratio	Lower	Upper
97	100		
83	82.6	72.2	108.4
85	54.0	45.2	67.8
99	58.5	52.6	78.8



#56
 Ethyl methacrylate
 Concen: 20.636 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

Tgt Ion:	69	Resp:	49198
Ion	Ratio	Lower	Upper
69	100		
41	72.6	55.3	82.9
39	41.5	31.9	47.9

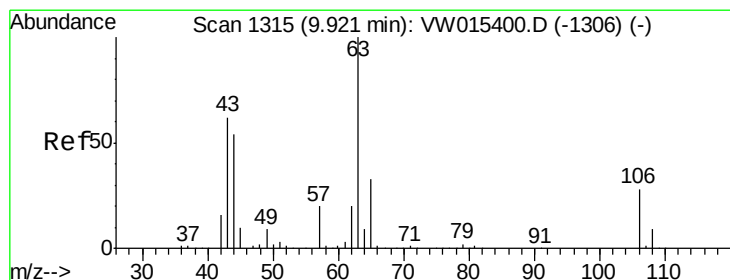
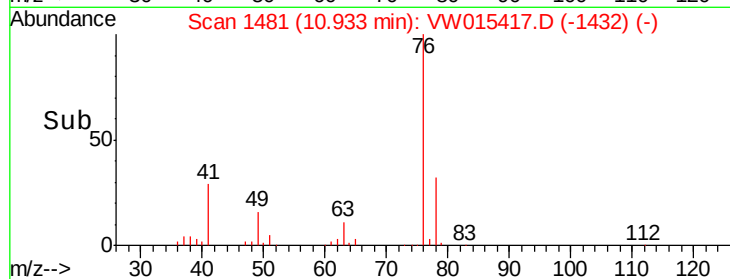
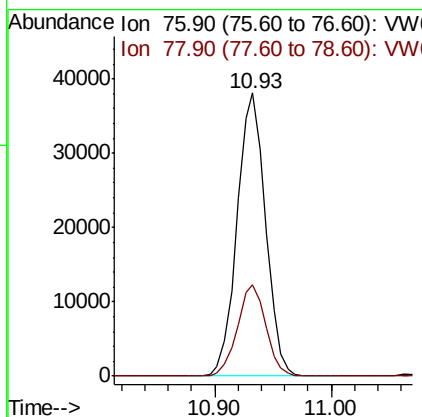
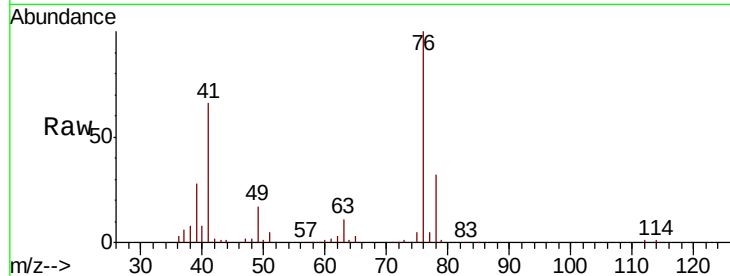




#57
 1,3-Dichloropropane
 Concen: 20.803 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

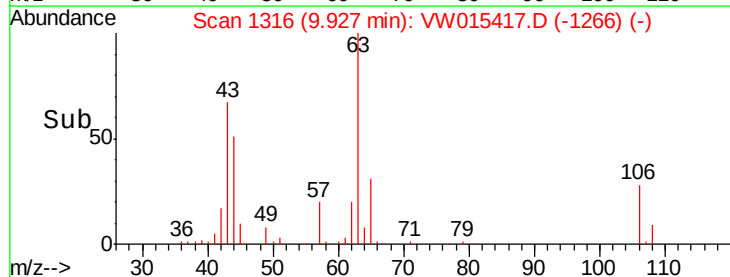
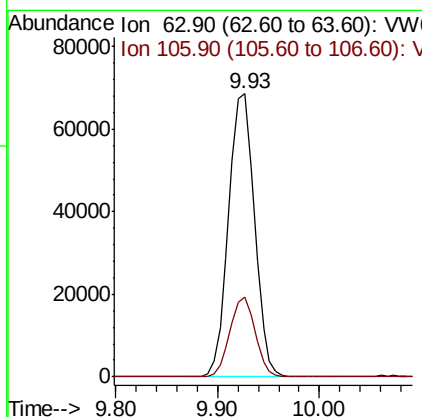
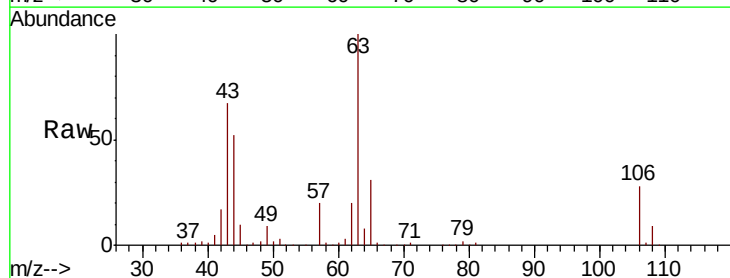
Instrument :
 MSVOA_W
 ClientSampleId :

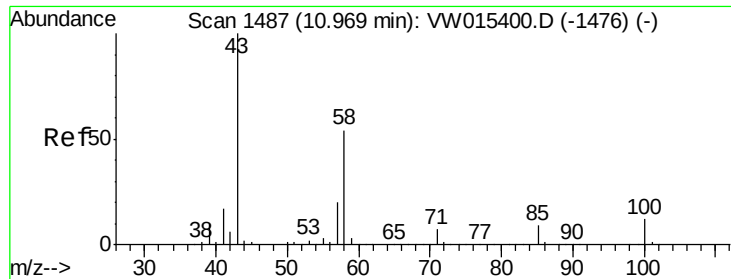
Tot Ion: 76 Resp: 64900
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.117 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

Tgt Ion: 63 Resp: 120762
 Ion Ratio Lower Upper
 63 100
 106 27.4 22.6 33.8

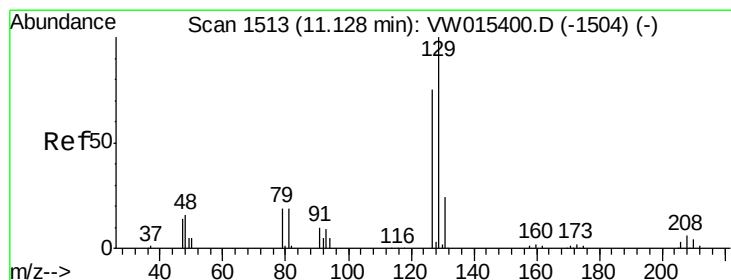
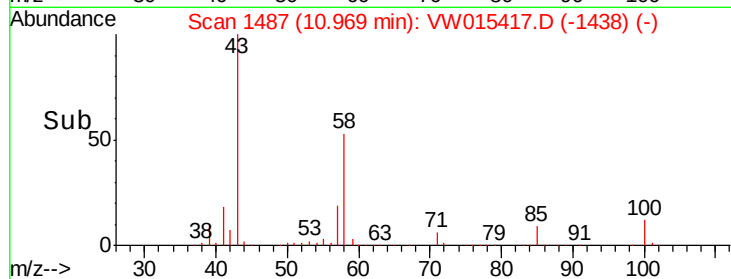
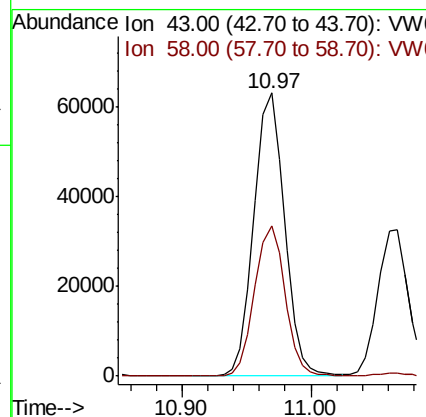
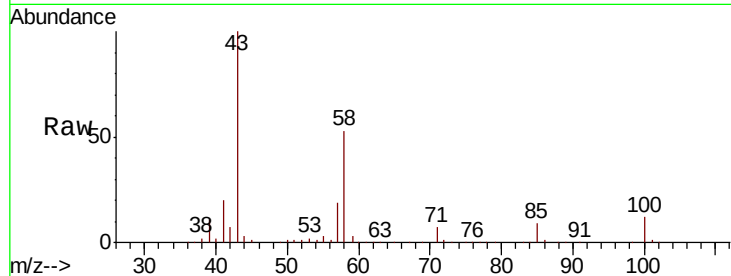




#59
2-Hexanone
Concen: 109.935 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

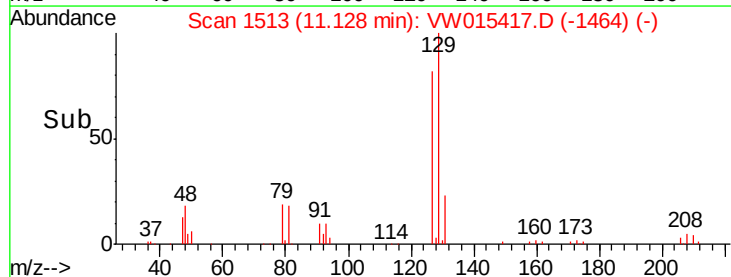
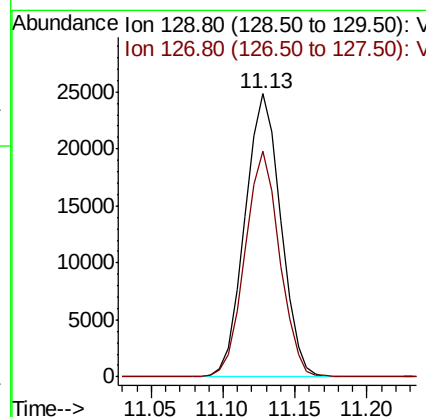
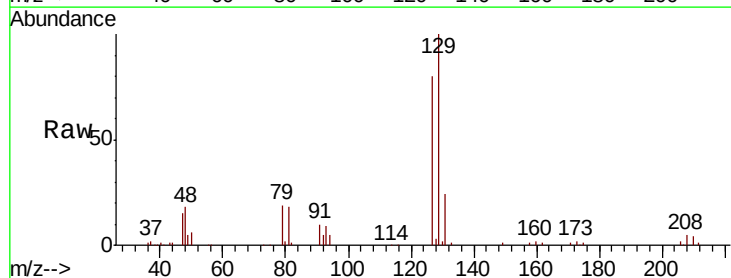
Instrument :
MSVOA_W
ClientSampleId :

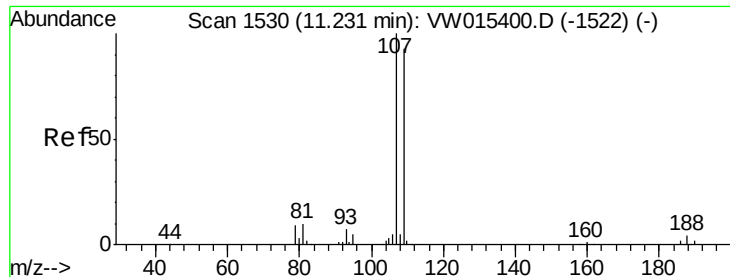
Tot Ion: 43 Resp: 104170
Ion Ratio Lower Upper
43 100
58 52.8 26.7 80.0



#60
Dibromochloromethane
Concen: 20.523 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

Tgt Ion: 129 Resp: 42829
Ion Ratio Lower Upper
129 100
127 76.9 39.1 117.2

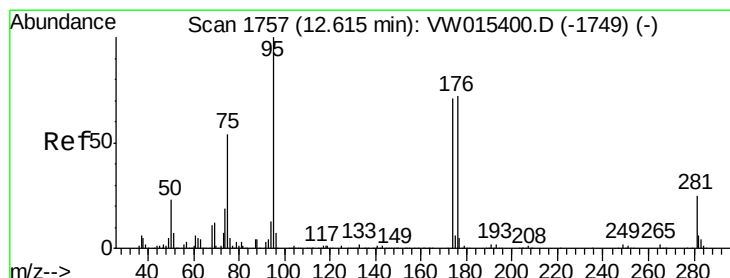
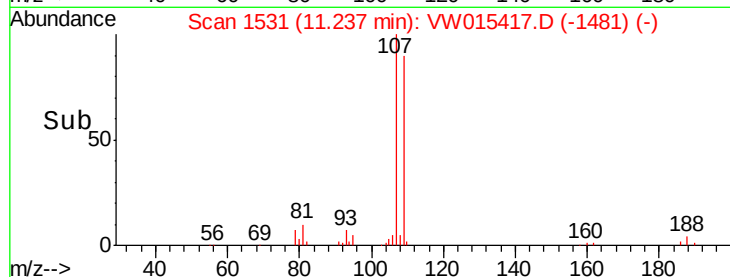
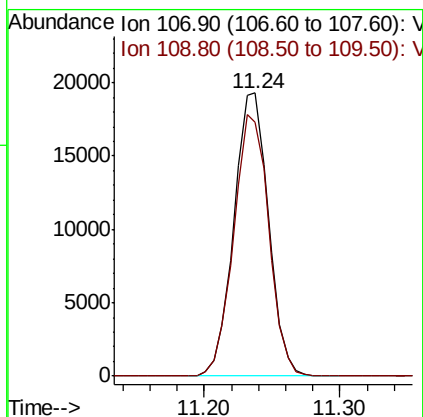
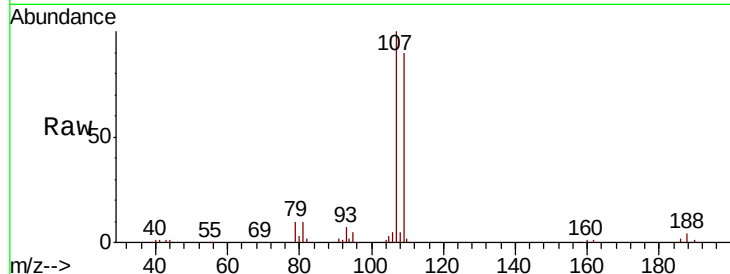




#61
 1,2-Dibromoethane
 Concen: 20.899 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

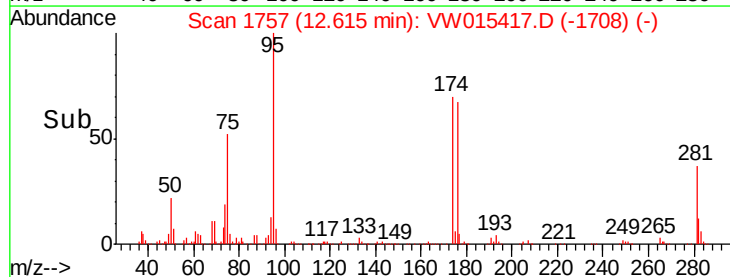
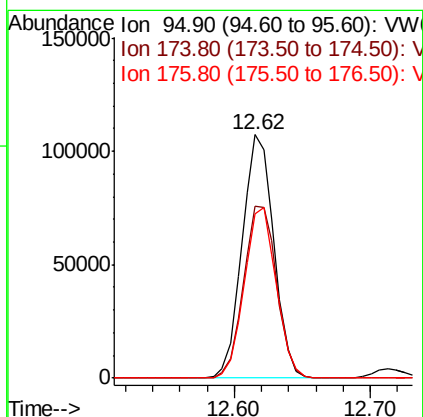
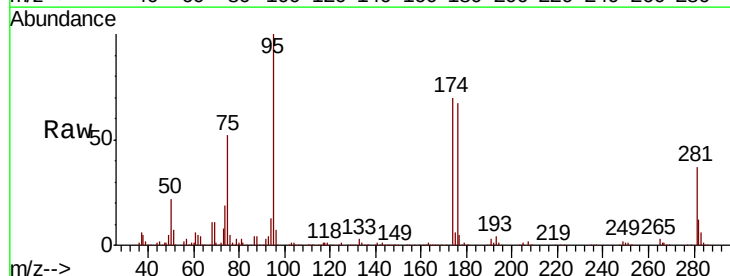
Instrument :
 MSVOA_W
 ClientSampleId :

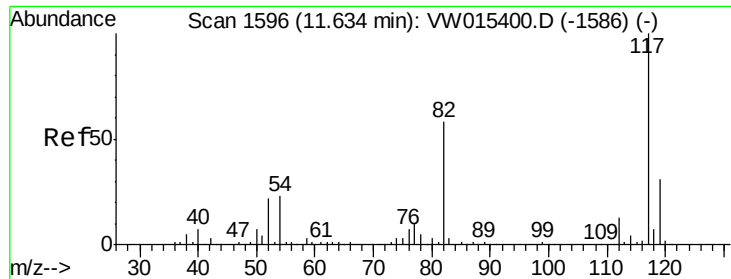
Tot Ion:107 Resp: 34336
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 53.447 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

Tgt Ion: 95 Resp: 174716
 Ion Ratio Lower Upper
 95 100
 174 73.6 0.0 147.6
 176 70.9 0.0 144.4

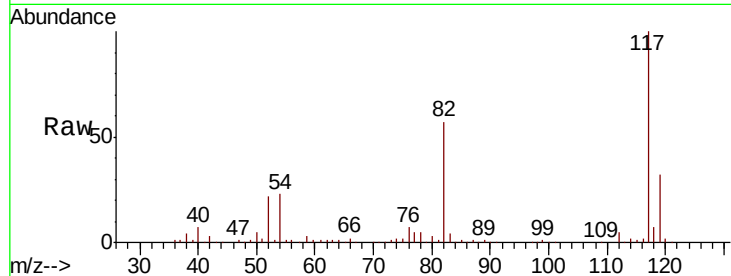




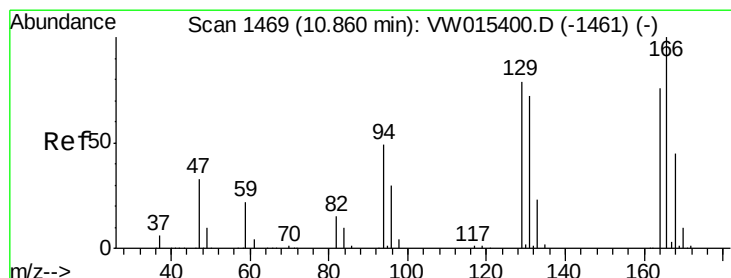
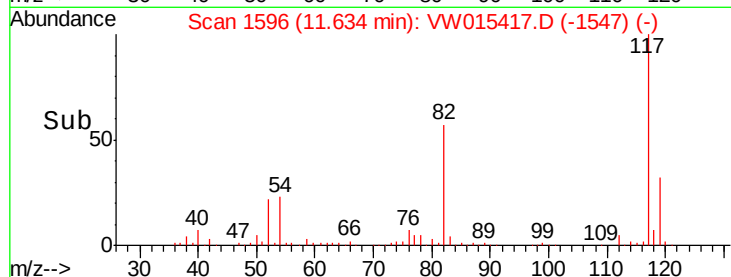
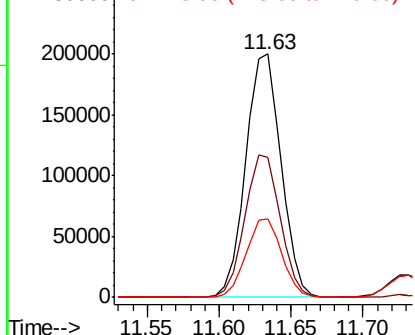
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 338431
Ion Ratio Lower Upper
117 100
82 57.4 46.4 69.6
119 32.3 24.6 37.0

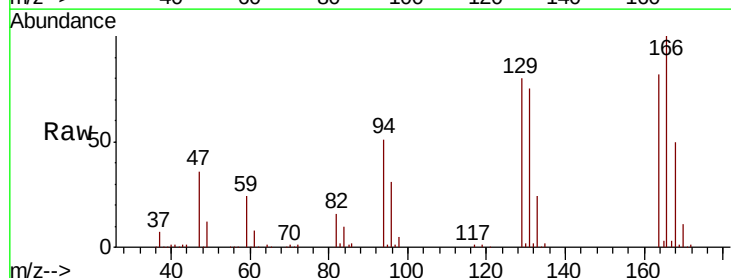


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

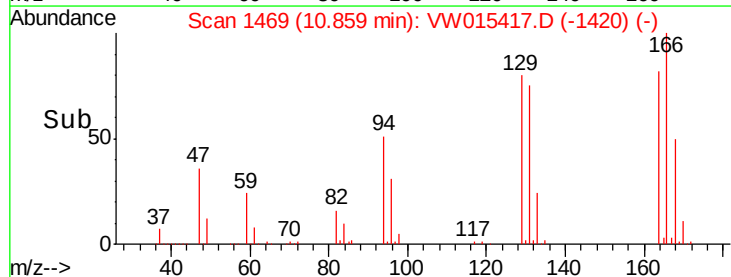
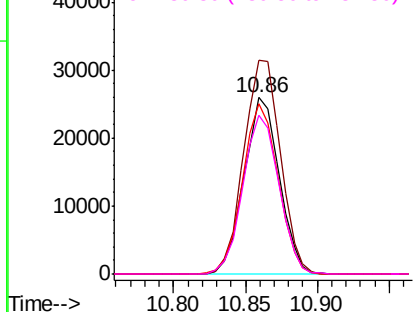


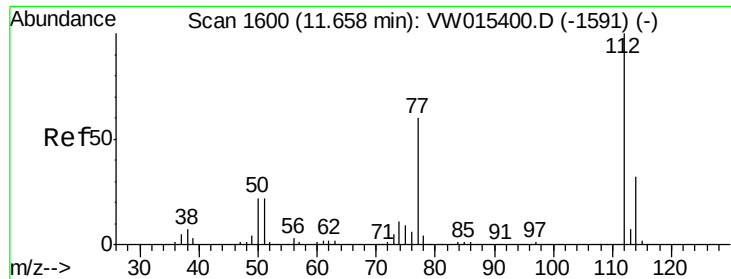
#64
Tetrachloroethene
Concen: 21.270 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

Tgt Ion:164 Resp: 43999
Ion Ratio Lower Upper
164 100
166 121.2 104.9 157.3
129 96.7 82.7 124.1
131 90.5 75.5 113.3



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

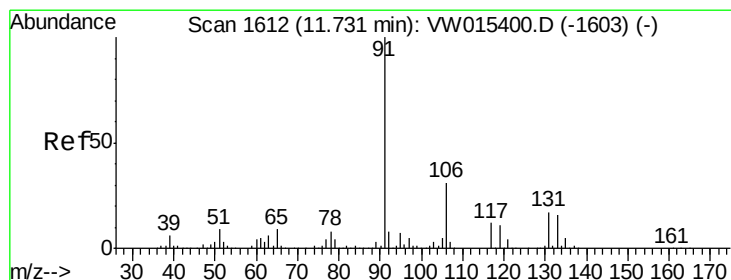
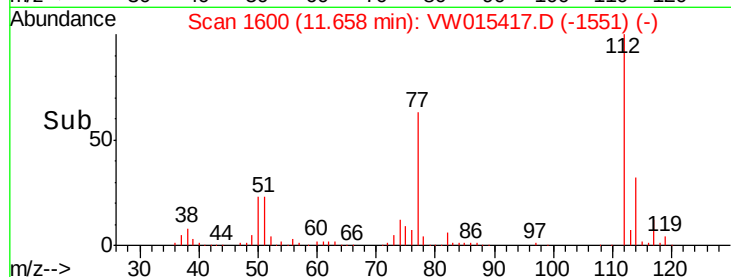
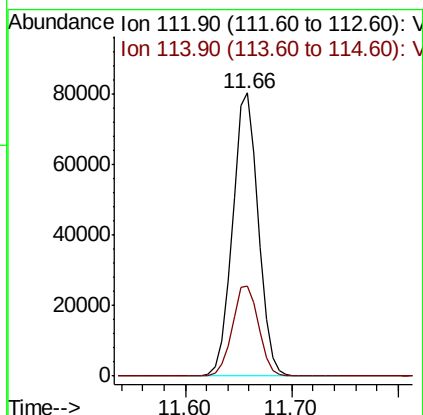
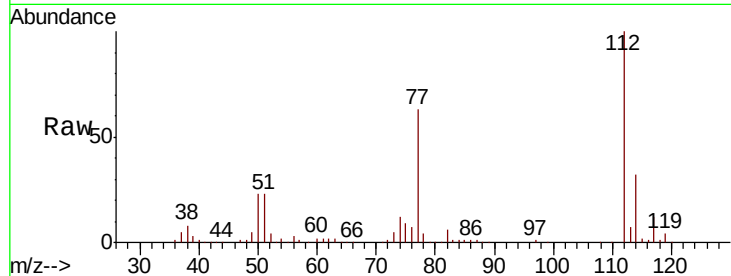




#65
Chlorobenzene
Concen: 20.370 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

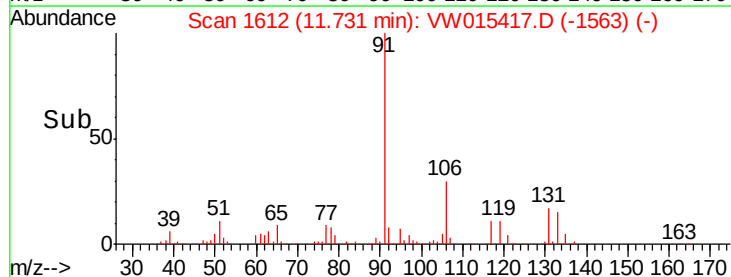
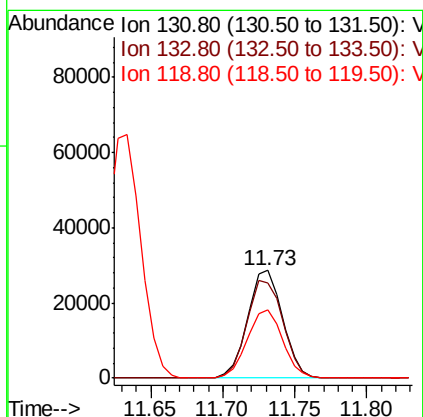
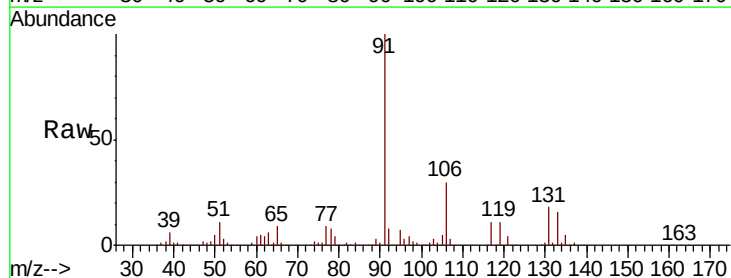
Instrument :
MSVOA_W
ClientSampleId :

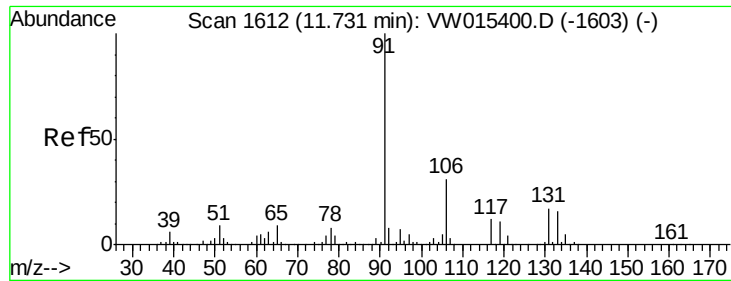
Tot Ion:112 Resp: 135923
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.252 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

Tgt Ion:131 Resp: 47913
Ion Ratio Lower Upper
131 100
133 94.3 47.9 143.8
119 64.9 33.0 99.0

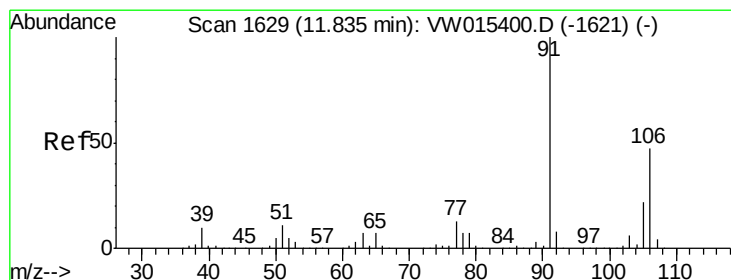
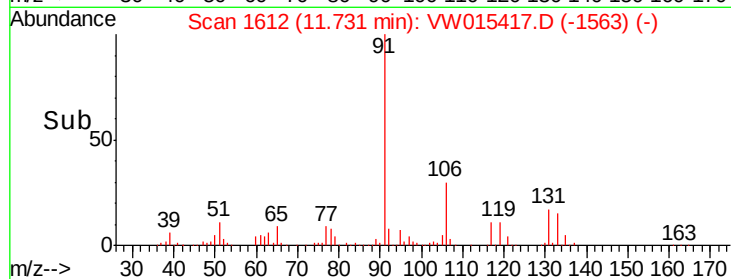
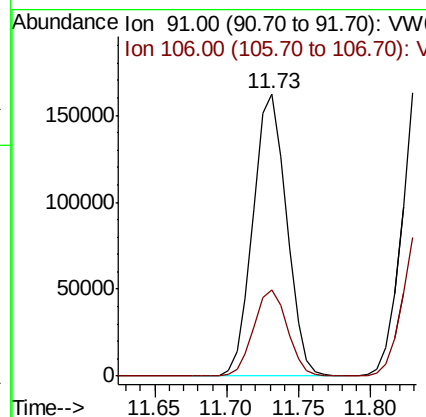
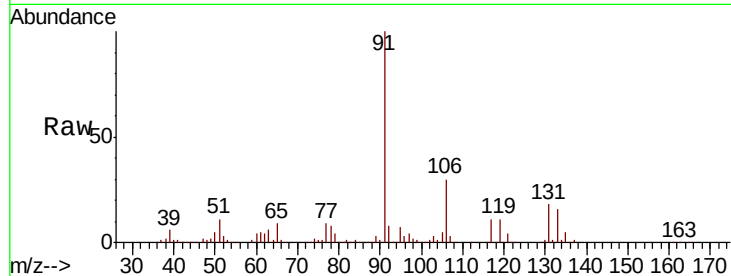




#67
Ethyl Benzene
Concen: 20.466 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

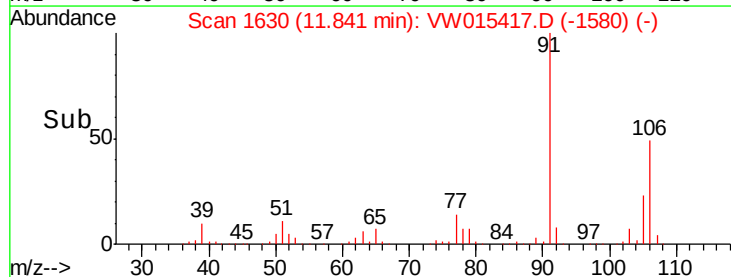
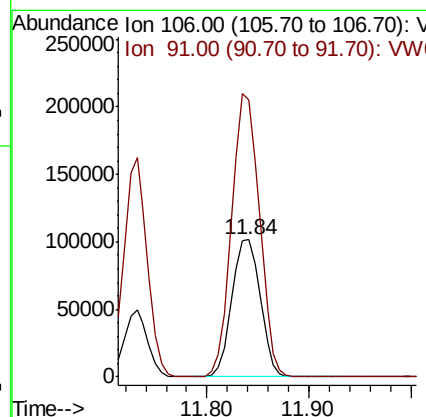
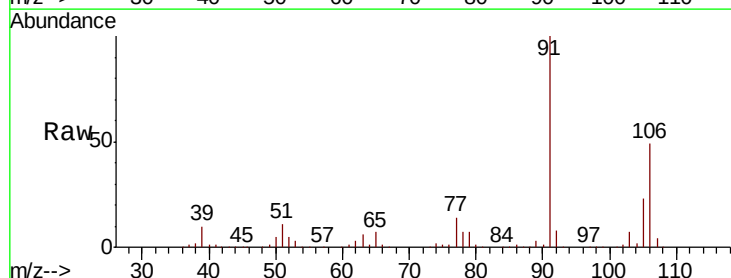
Instrument :
MSVOA_W
ClientSampled :

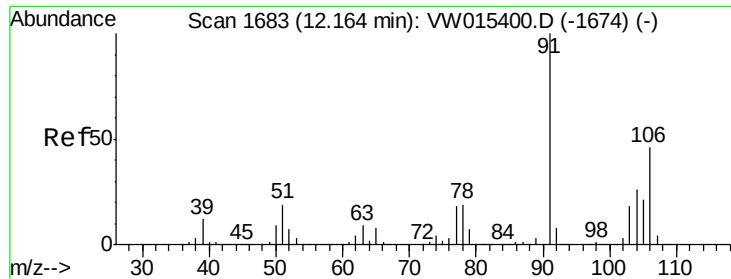
Tot Ion: 91 Resp: 261394
Ion Ratio Lower Upper
91 100
106 30.5 25.2 37.8



#68
m/p-Xylenes
Concen: 41.366 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

Tgt Ion:106 Resp: 196428
Ion Ratio Lower Upper
106 100
91 201.0 165.7 248.5

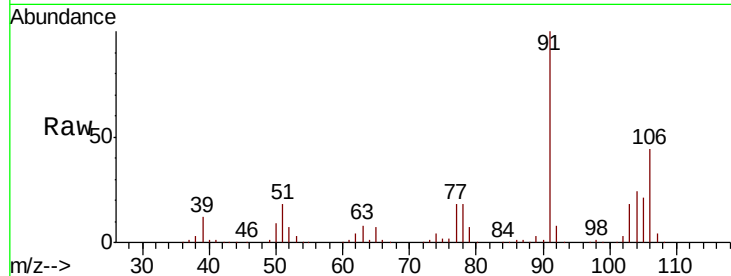




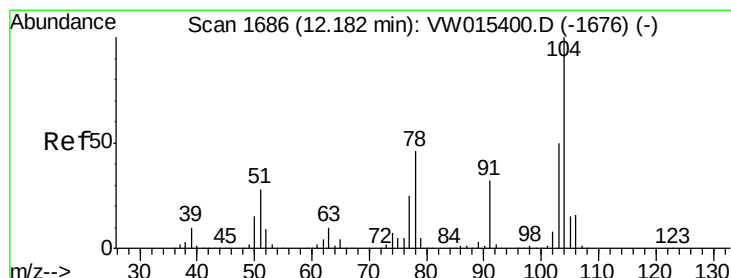
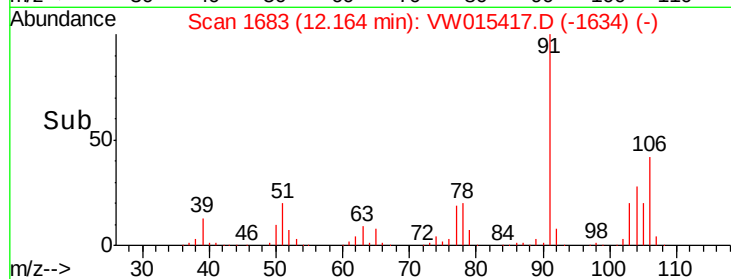
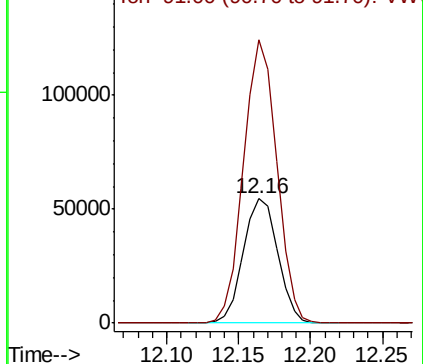
#69
o-Xylene
Concen: 20.300 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 90583
Ion Ratio Lower Upper
106 100
91 220.0 109.0 327.0

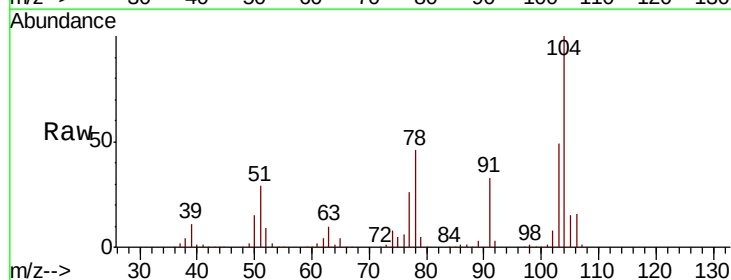


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

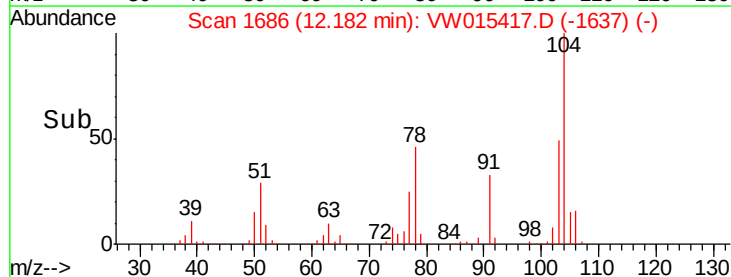
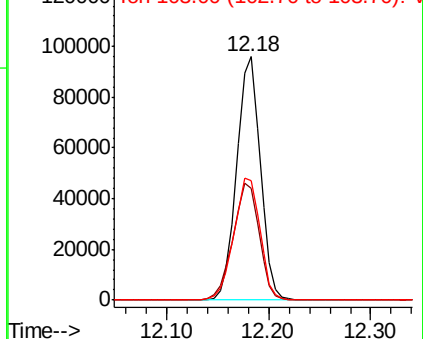


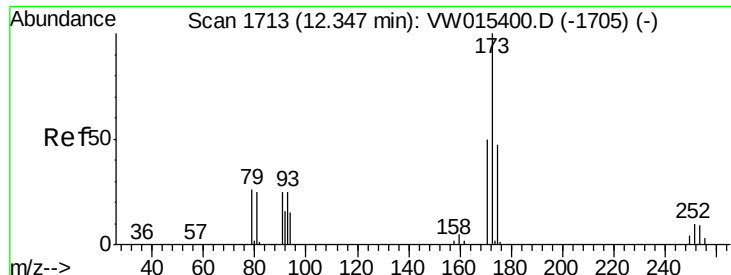
#70
Styrene
Concen: 19.962 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

Tgt Ion:104 Resp: 153411
Ion Ratio Lower Upper
104 100
78 53.2 41.8 62.8
103 55.4 43.6 65.4



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





#71

Bromoform

Concen: 20.385 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Instrument :

MSVOA_W

ClientSampleId :

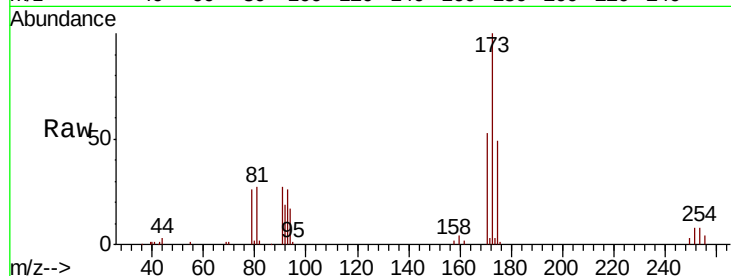
Tot Ion:173 Resp: 23520

Ion Ratio Lower Upper

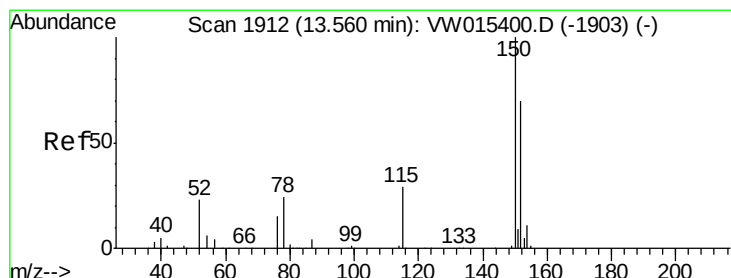
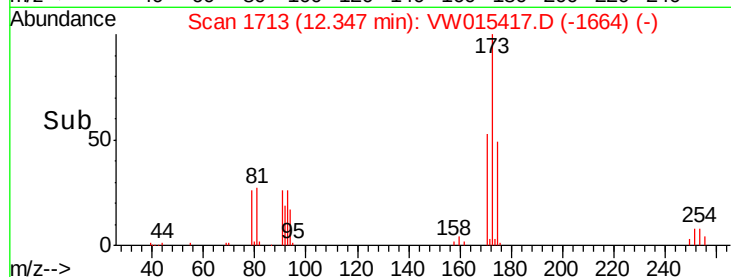
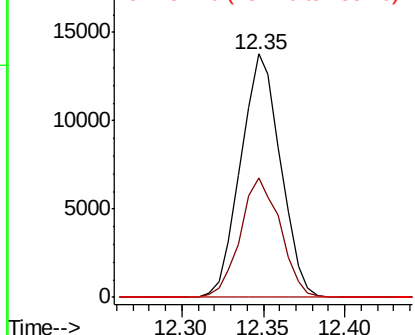
173 100

175 49.0 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: VW015417.D

Acq: 07 May 2020 13:50

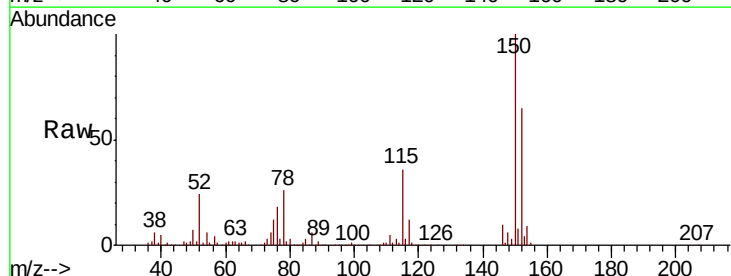
Tgt Ion:152 Resp: 169092

Ion Ratio Lower Upper

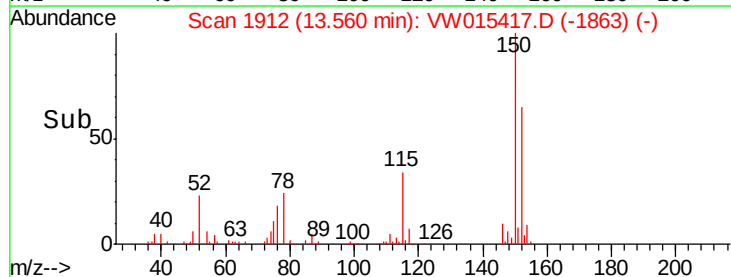
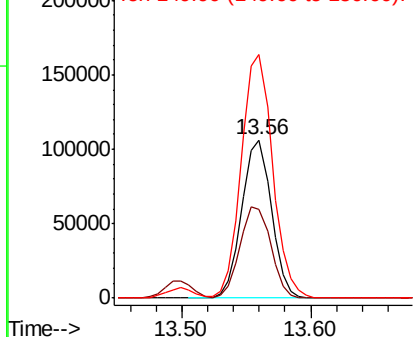
152 100

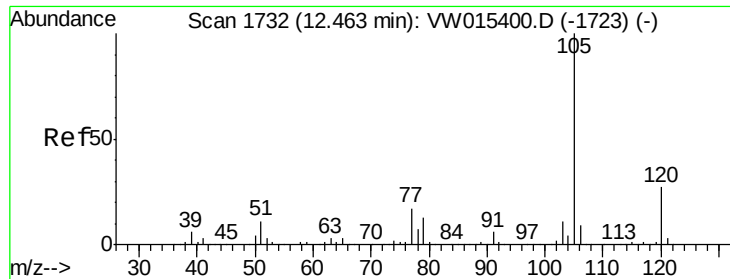
115 60.3 30.3 90.8

150 162.6 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: 20.091 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Instrument :

MSVOA_W

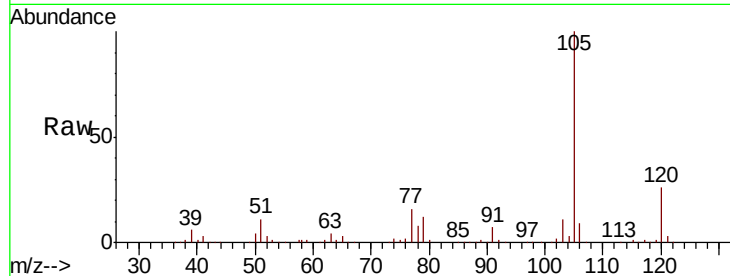
ClientSampleId :

Tot Ion:105 Resp: 253626

Ion Ratio Lower Upper

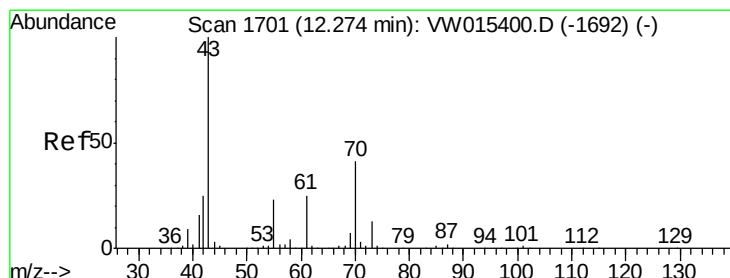
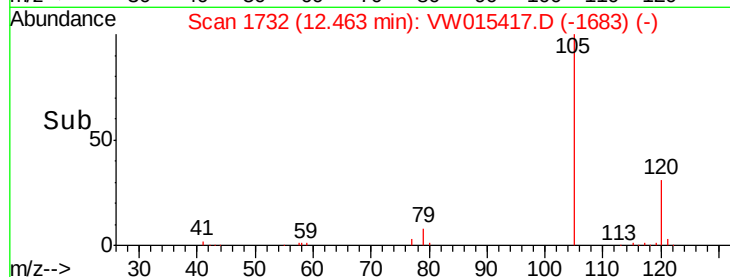
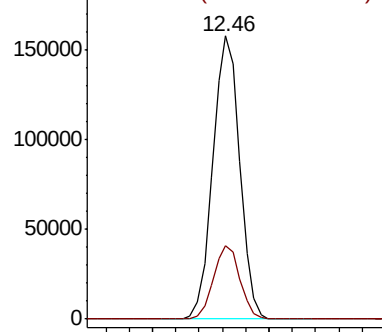
105 100

120 25.6 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.688 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Tgt Ion: 43 Resp: 61734

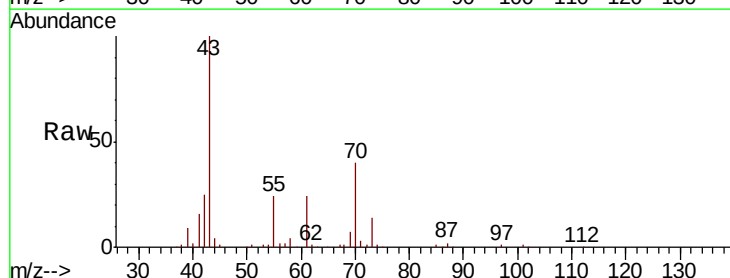
Ion Ratio Lower Upper

43 100

70 40.5 33.4 50.0

55 23.3 18.9 28.3

61 23.2 19.4 29.0

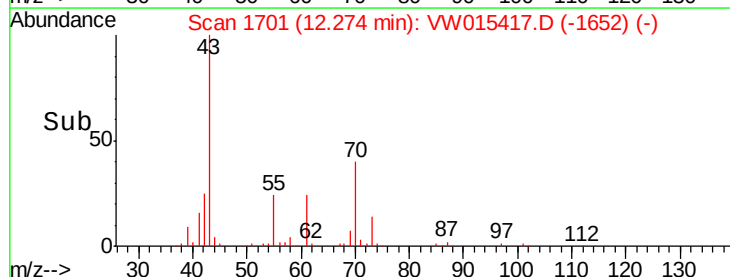
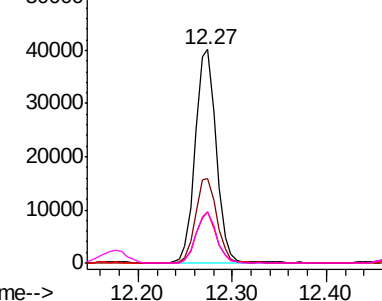


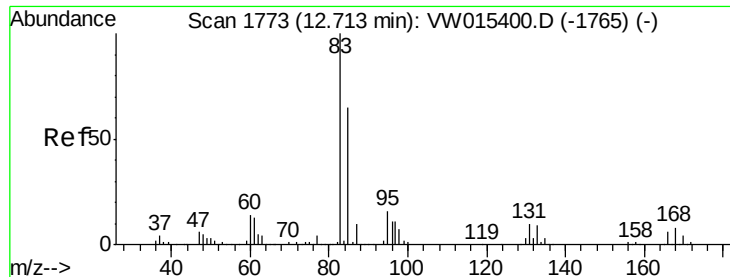
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 21.069 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Instrument :

MSVOA_W

ClientSampleId :

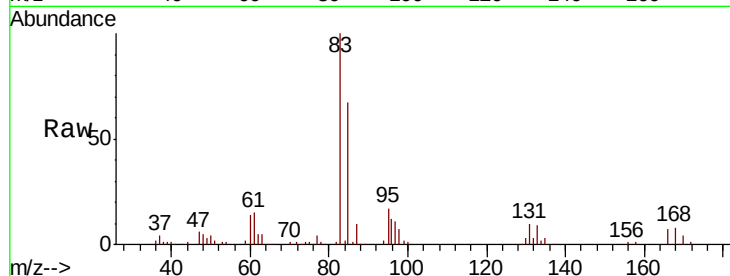
Tot Ion: 83 Resp: 41607

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.2

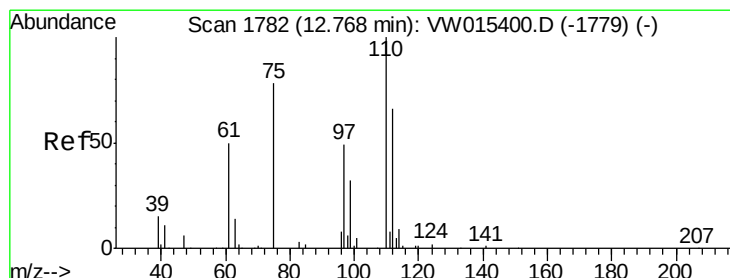
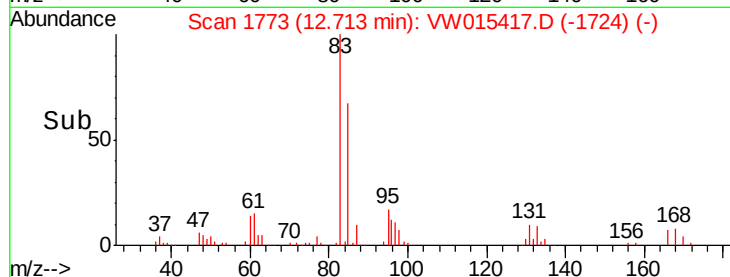
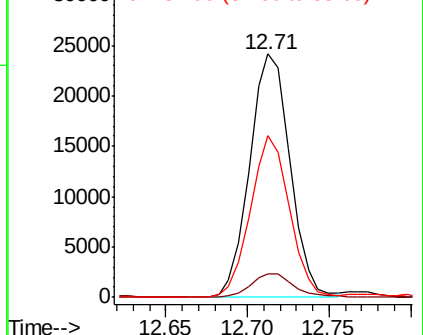
85 64.0 32.2 96.6



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: 40.329 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015417.D

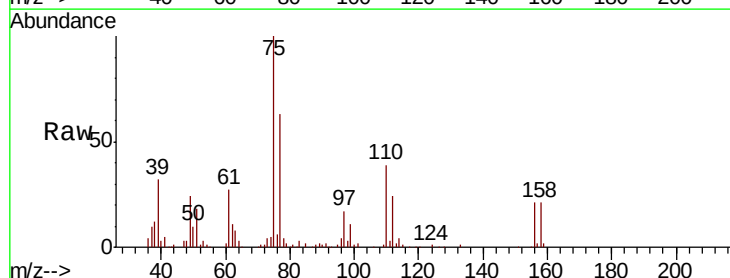
Acq: 07 May 2020 13:50

Tgt Ion: 75 Resp: 56098

Ion Ratio Lower Upper

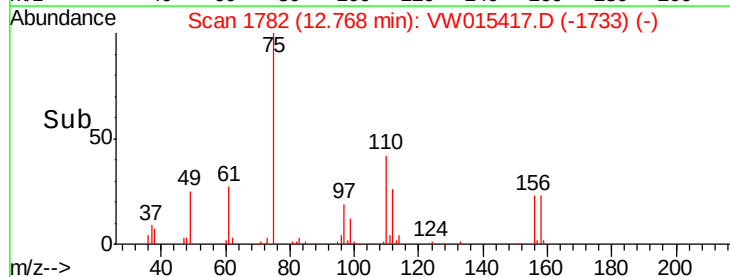
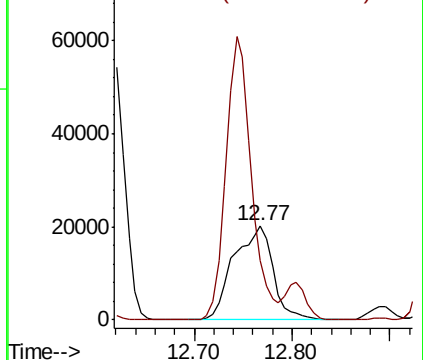
75 100

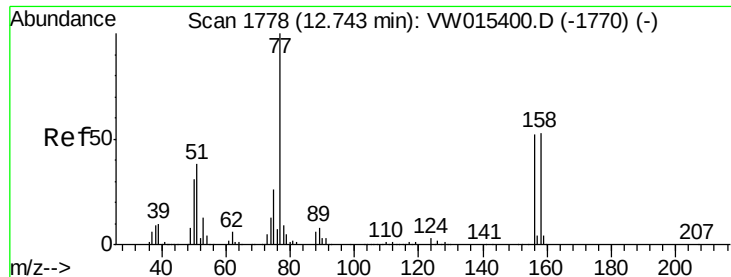
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.029 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Instrument :

MSVOA_W

ClientSampled :

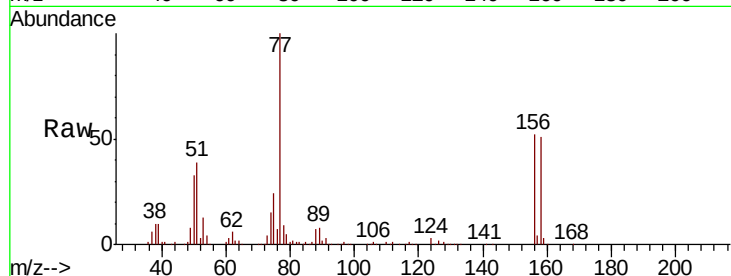
Tot Ion:156 Resp: 53582

Ion Ratio Lower Upper

156 100

77 205.5 101.8 305.6

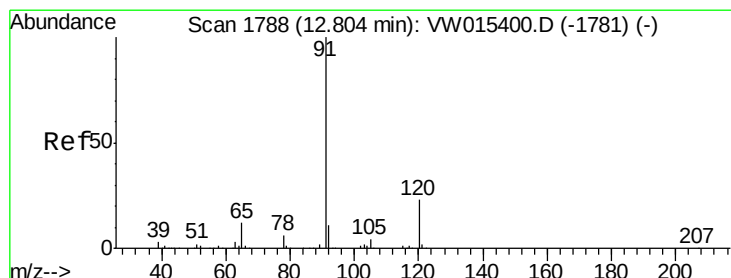
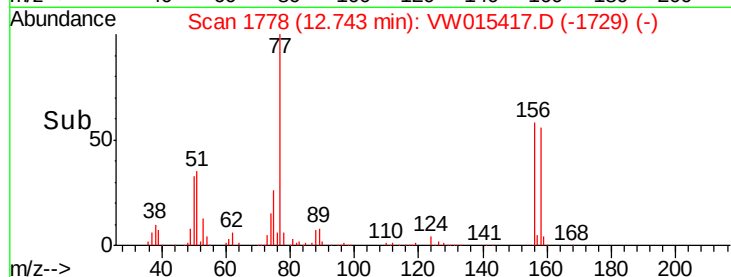
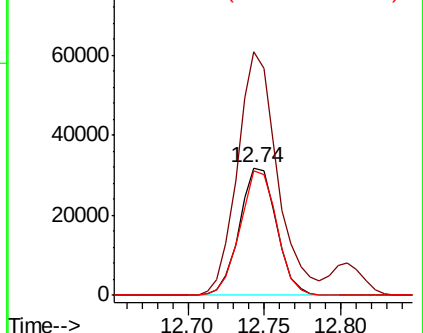
158 96.9 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.295 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW015417.D

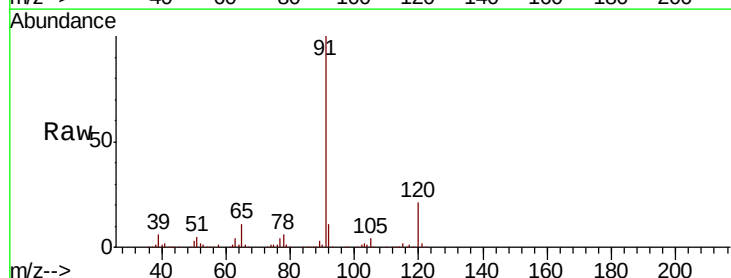
Acq: 07 May 2020 13:50

Tgt Ion: 91 Resp: 307378

Ion Ratio Lower Upper

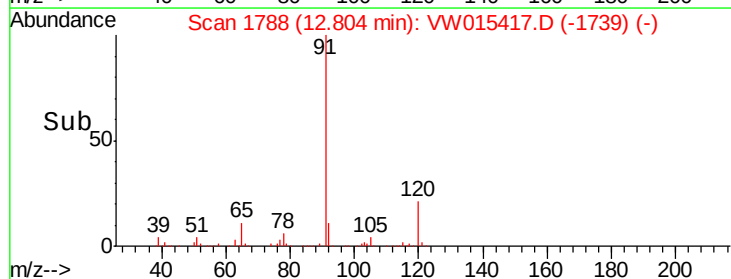
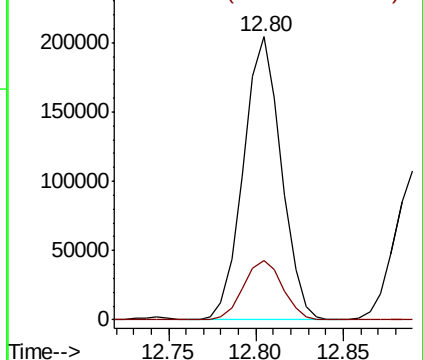
91 100

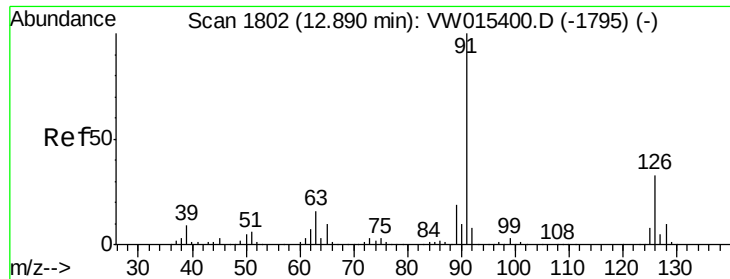
120 22.0 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.305 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Instrument :

MSVOA_W

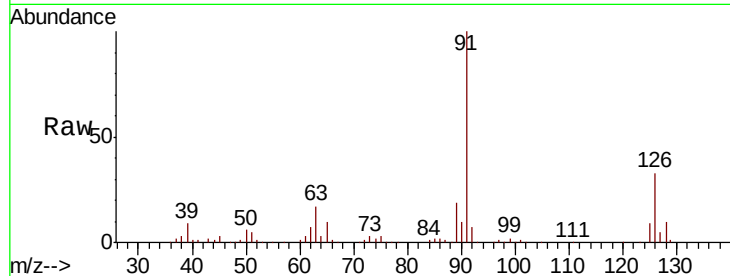
ClientSampleId :

Tot Ion: 91 Resp: 173353

Ion Ratio Lower Upper

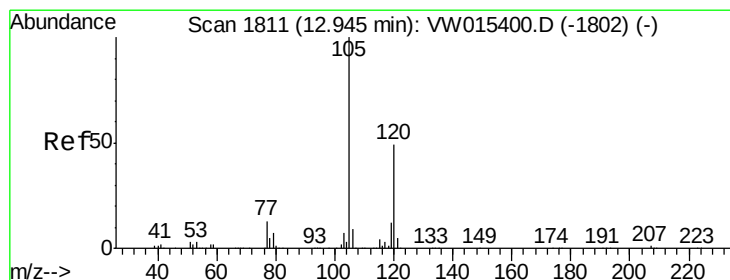
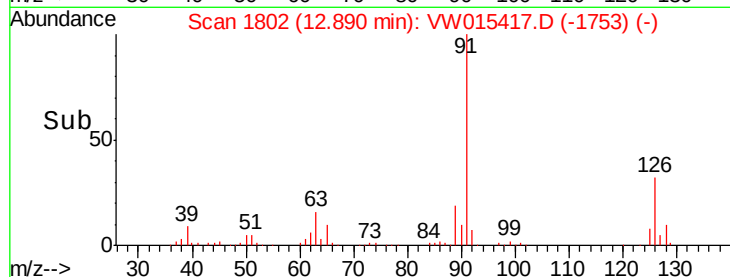
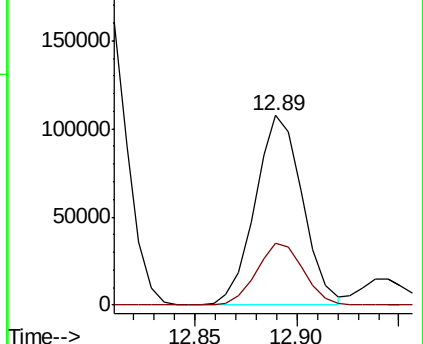
91 100

126 32.5 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: 20.312 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW015417.D

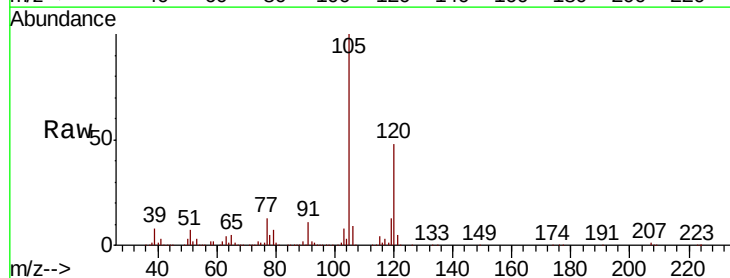
Acq: 07 May 2020 13:50

Tgt Ion:105 Resp: 215983

Ion Ratio Lower Upper

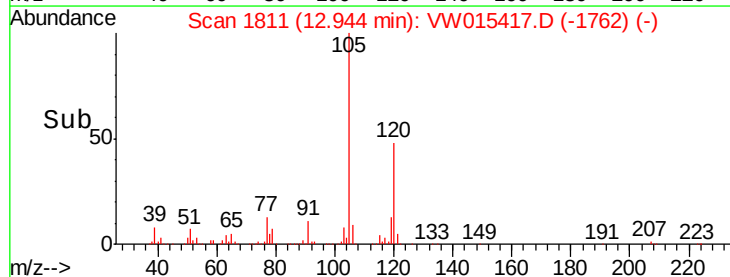
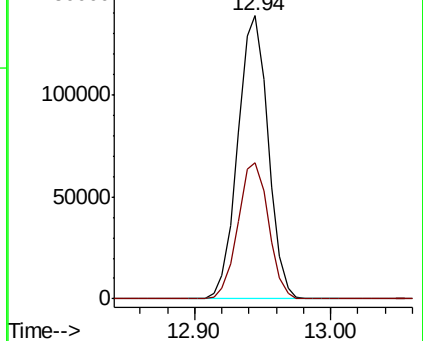
105 100

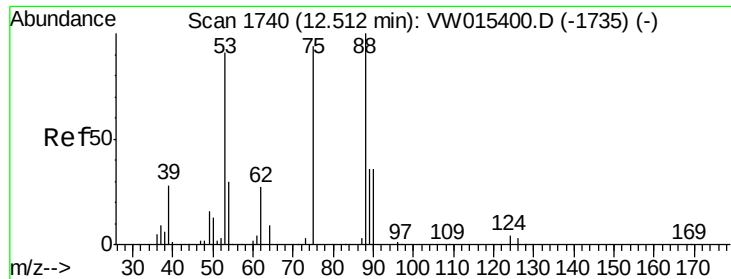
120 48.5 24.2 72.6



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: 20.313 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Instrument :

MSVOA_W

ClientSampleId :

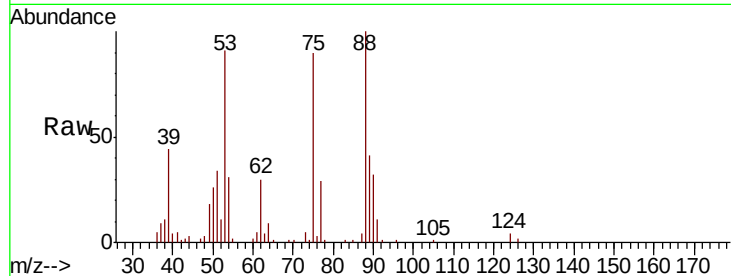
Tot Ion: 75 Resp: 14285

Ion Ratio Lower Upper

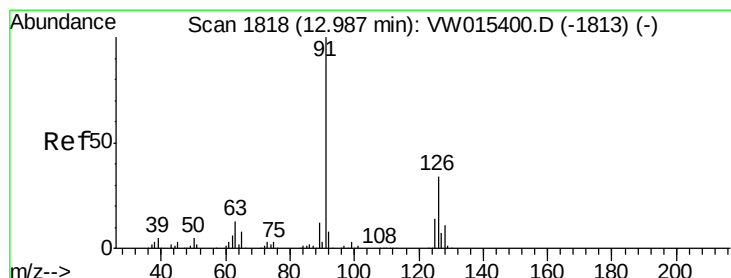
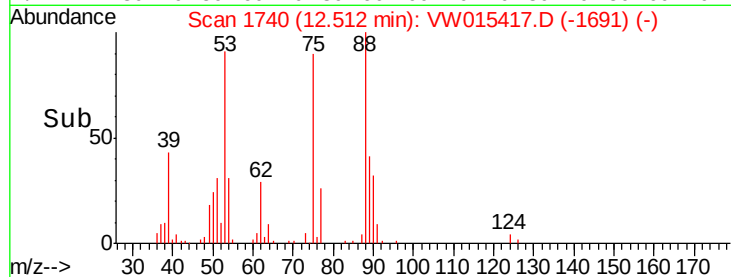
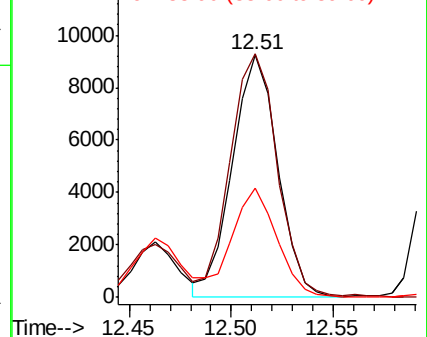
75 100

53 105.6 82.5 123.7

89 44.0 35.8 53.8



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 20.182 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW015417.D

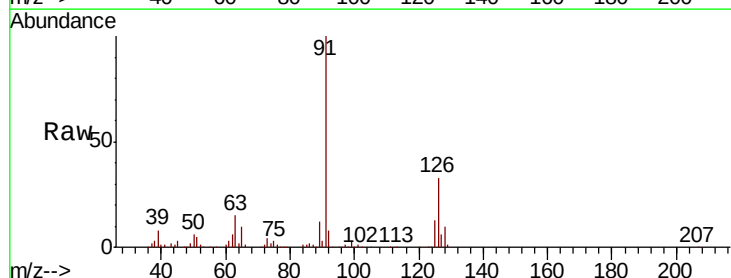
Acq: 07 May 2020 13:50

Tgt Ion: 91 Resp: 182608

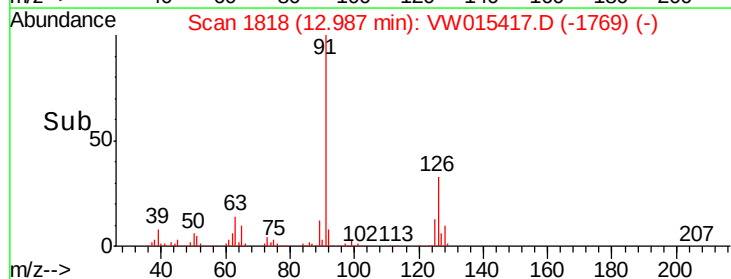
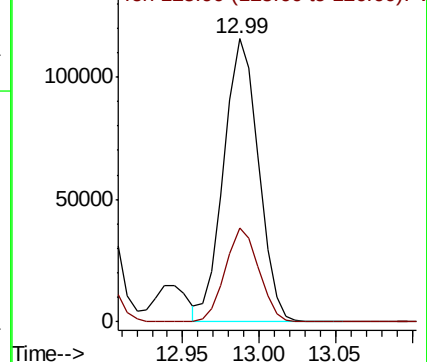
Ion Ratio Lower Upper

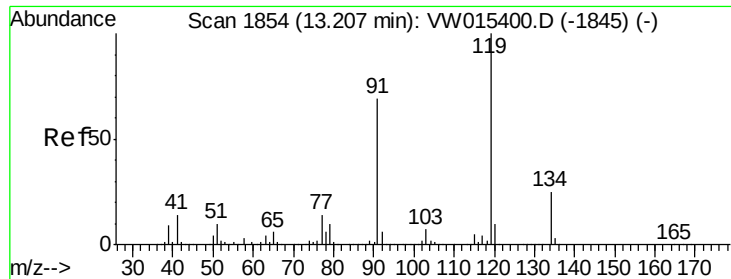
91 100

126 32.2 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

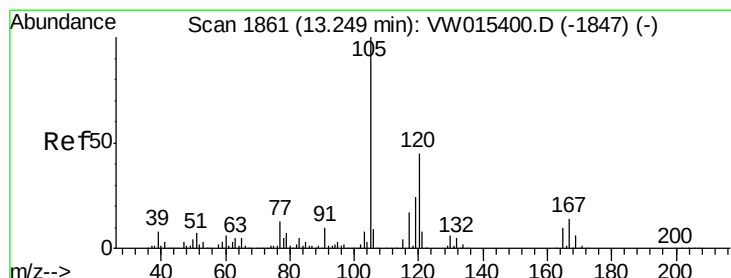
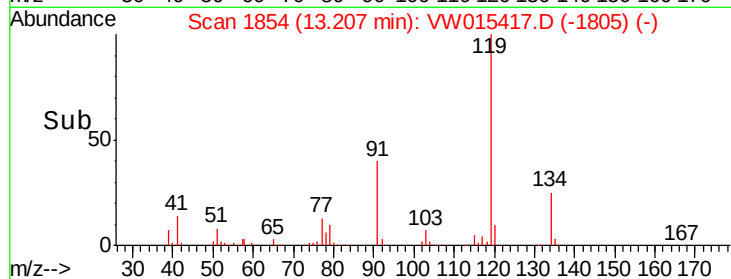
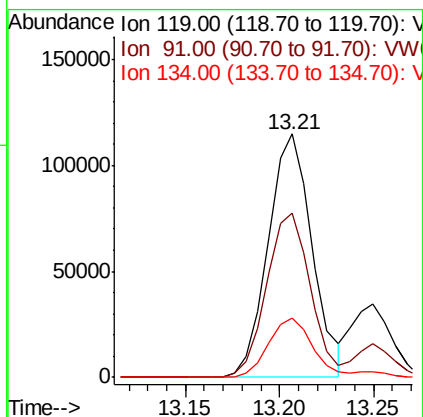
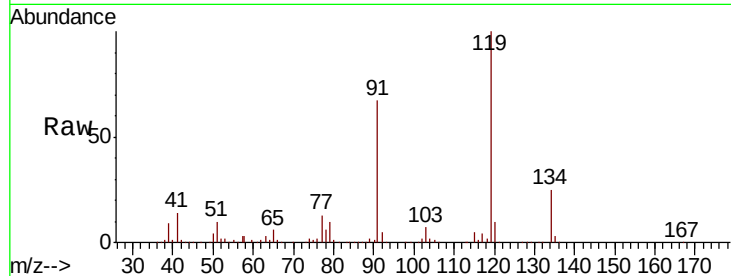




#83
 tert-Butylbenzene
 Concen: 20.481 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

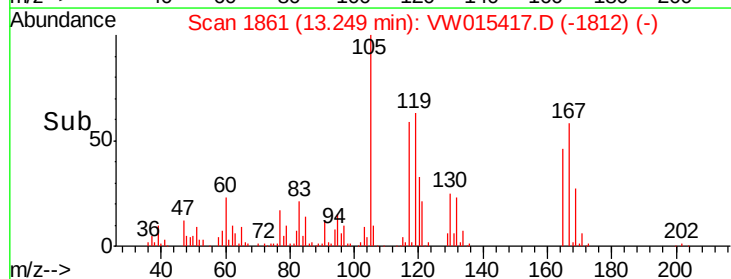
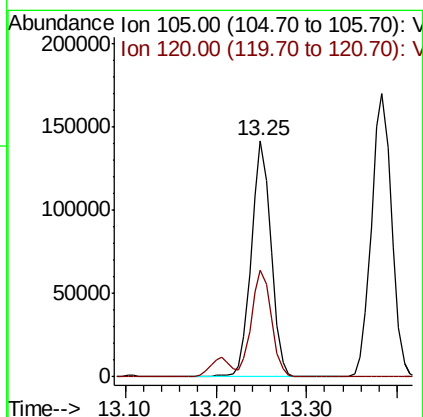
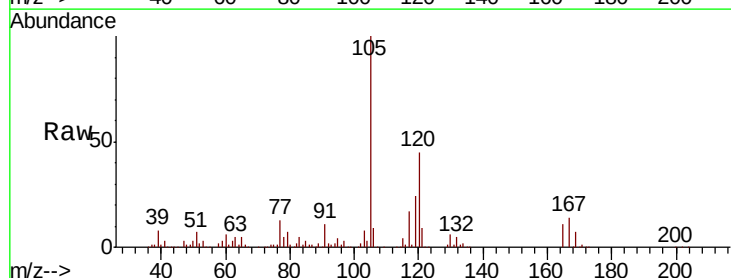
Instrument :
 MSVOA_W
 ClientSampled :

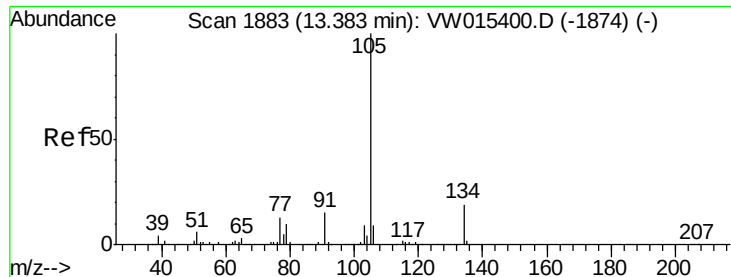
Tot Ion:119 Resp: 185831
 Ion Ratio Lower Upper
 119 100
 91 67.3 33.8 101.4
 134 24.5 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.061 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

Tgt Ion:105 Resp: 213400
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.0 66.0





#85

sec-Butylbenzene

Concen: 20.530 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Instrument :

MSVOA_W

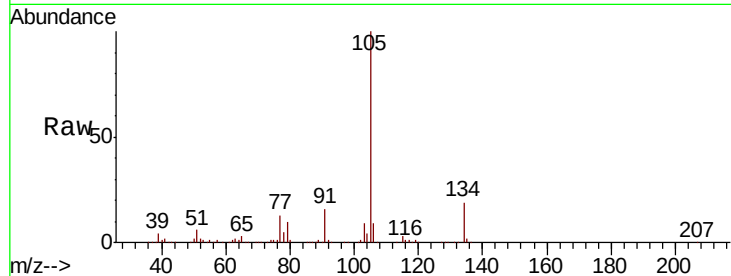
ClientSampleId :

Tot Ion:105 Resp: 262459

Ion Ratio Lower Upper

105 100

134 19.2 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

100000

50000

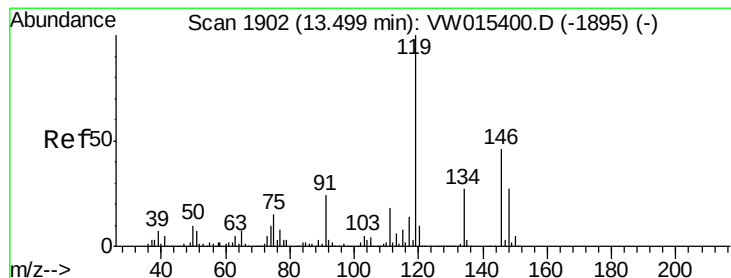
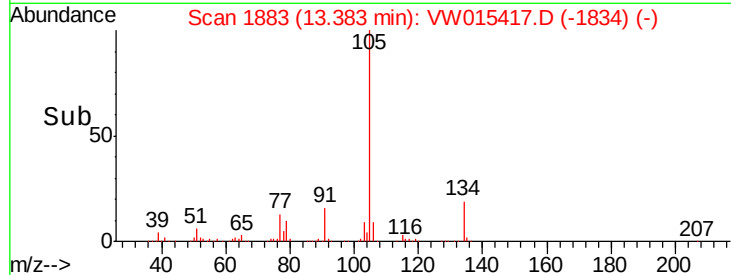
0

13.38

13.30

13.40

Time-->



#86

p-Isopropyltoluene

Concen: 20.314 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

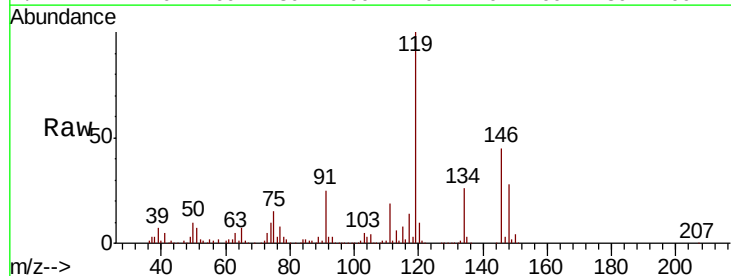
Tgt Ion:119 Resp: 236850

Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.4

91 24.6 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

100000

50000

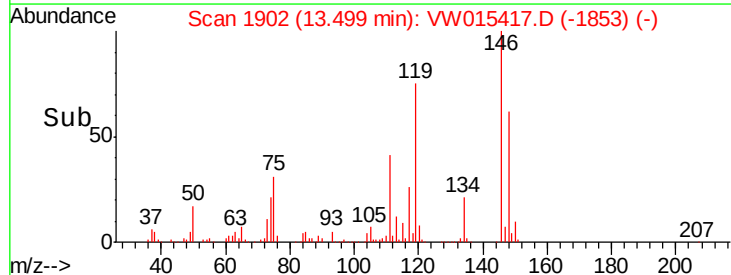
0

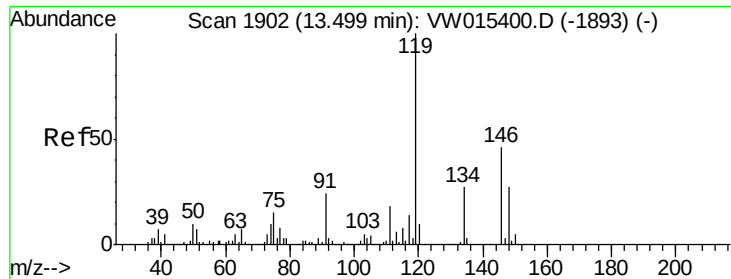
13.50

13.45

13.55

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.496 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Instrument :

MSVOA_W

ClientSampled :

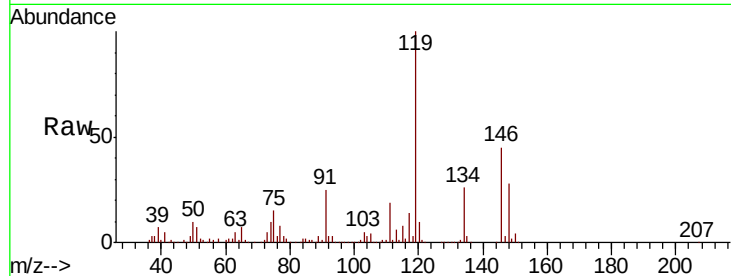
Tot Ion:146 Resp: 109221

Ion Ratio Lower Upper

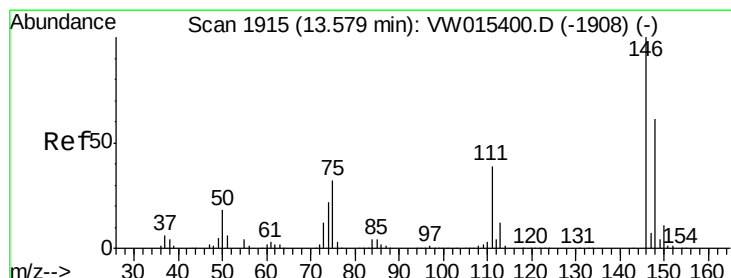
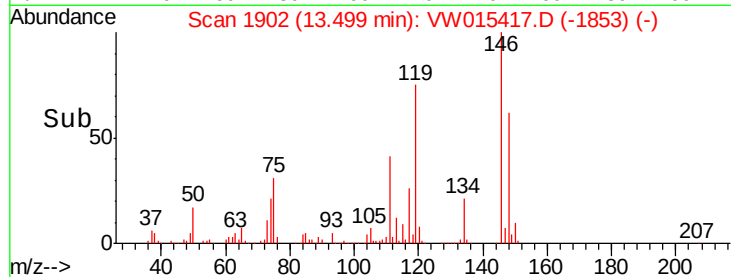
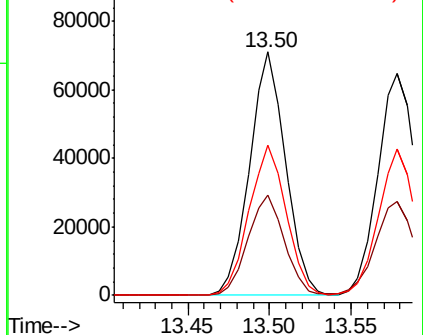
146 100

111 41.7 20.5 61.5

148 63.6 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: 20.060 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

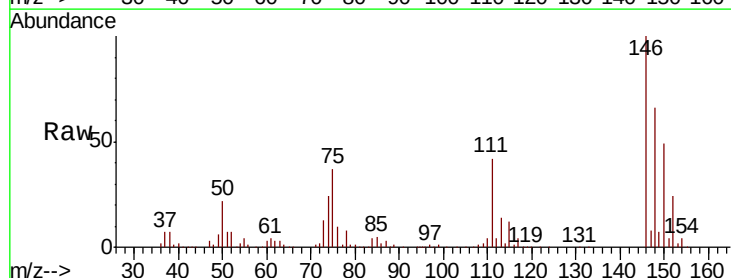
Tgt Ion:146 Resp: 105867

Ion Ratio Lower Upper

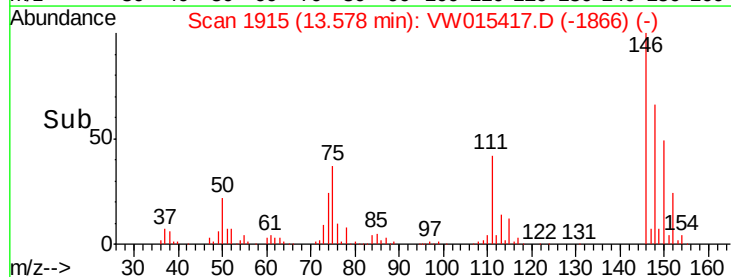
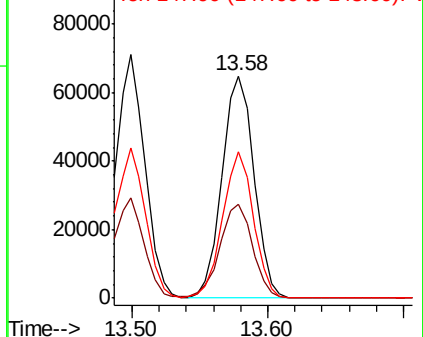
146 100

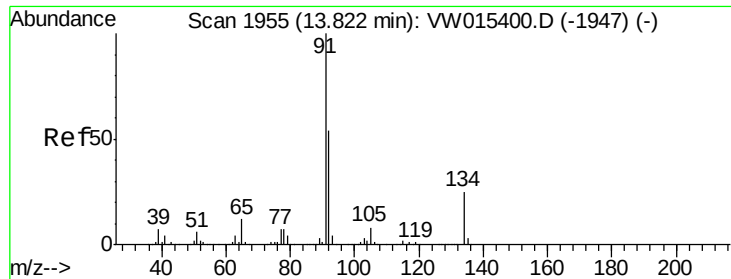
111 43.2 20.0 60.0

148 63.6 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: 20.461 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Instrument :

MSVOA_W

ClientSampleId :

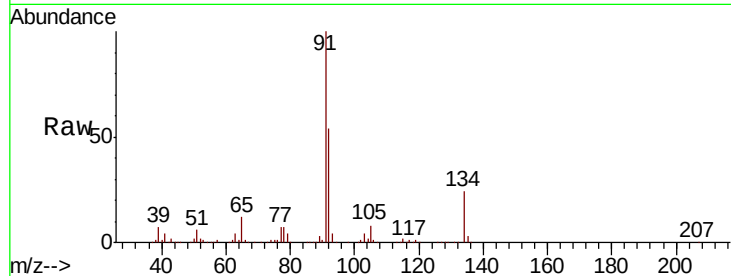
Tot Ion: 91 Resp: 233549

Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.2	81.6
134	24.7	12.6	37.6

91 100

92 53.9 27.2 81.6

134 24.7 12.6 37.6

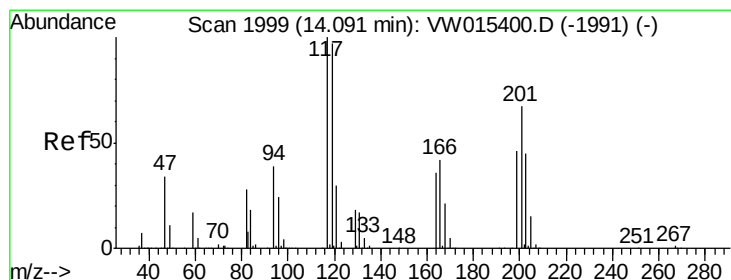
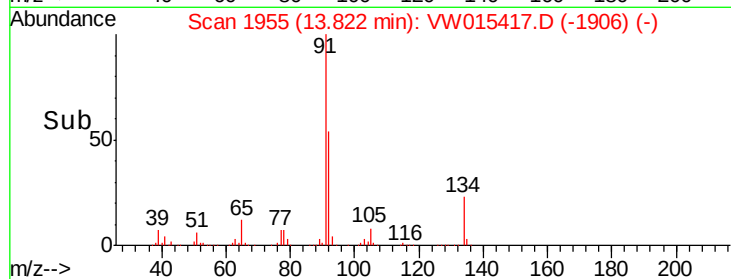
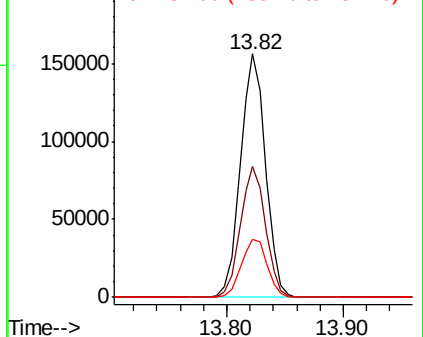


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.190 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW015417.D

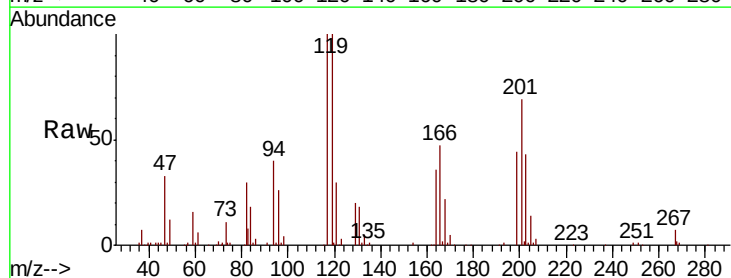
Acq: 07 May 2020 13:50

Tgt Ion: 117 Resp: 43381

Ion	Ratio	Lower	Upper
117	100		
201	74.4	35.9	107.8

117 100

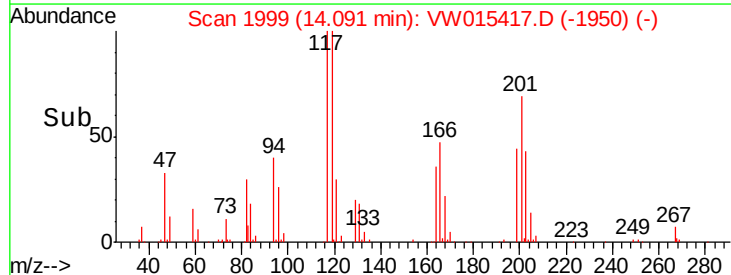
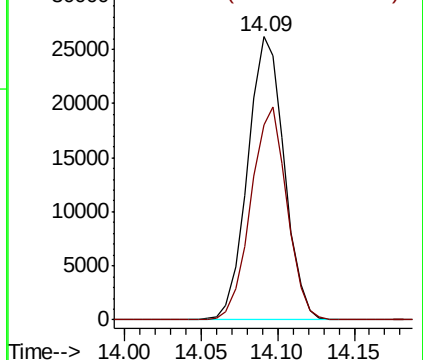
201 74.4 35.9 107.8

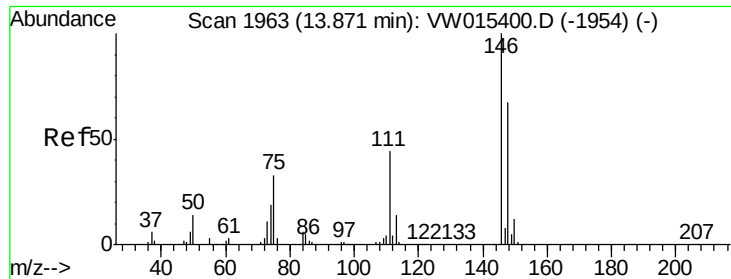


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

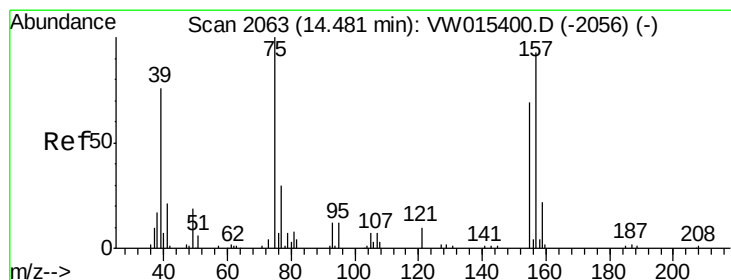
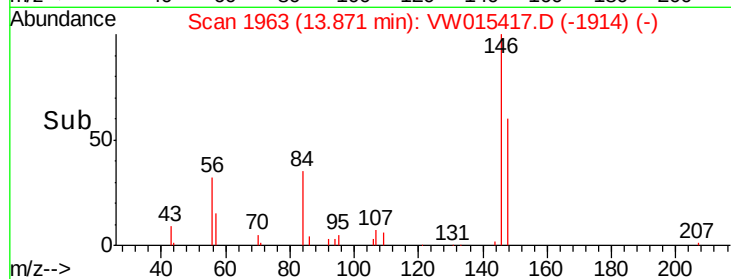
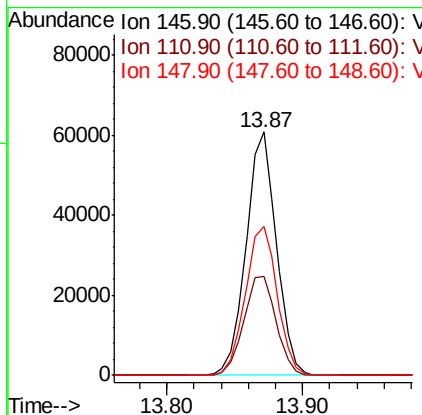
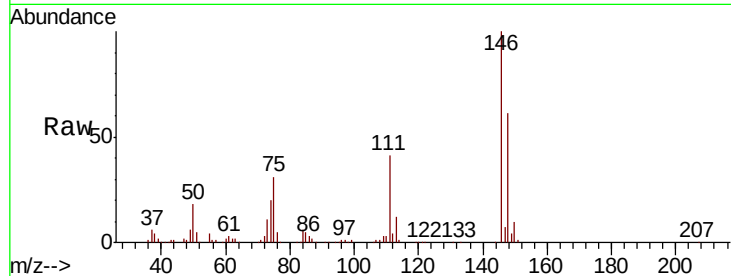




#91
 1,2-Dichlorobenzene
 Concen: 20.615 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

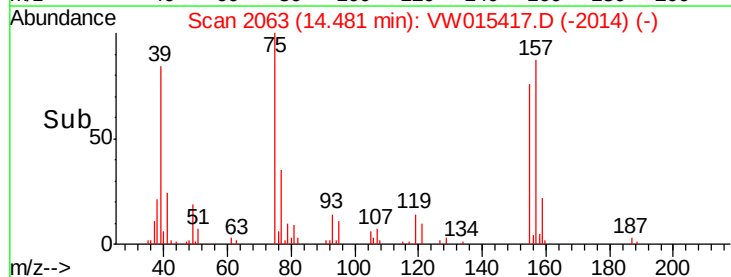
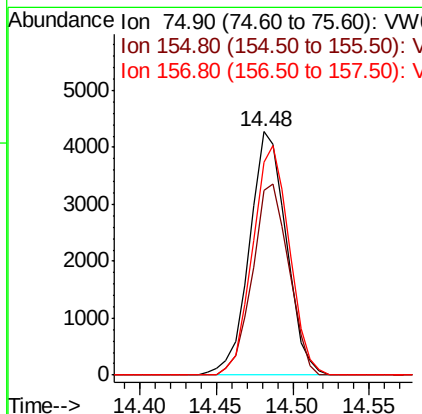
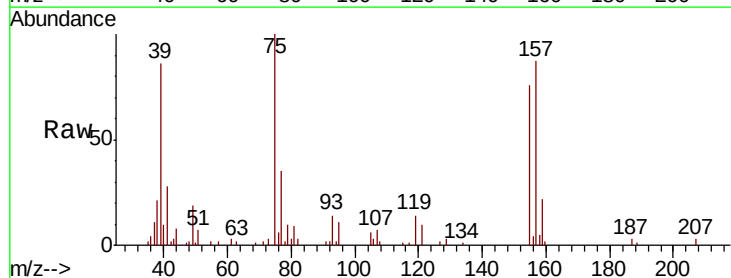
Instrument :
 MSVOA_W
 ClientSampled :

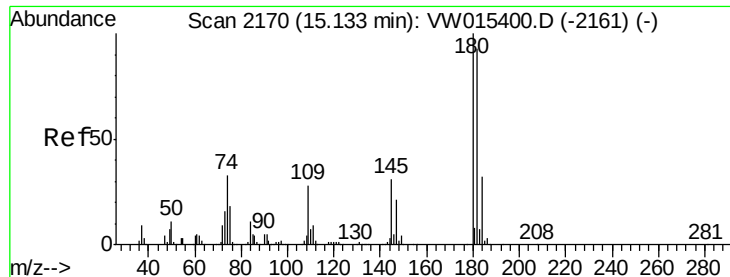
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.1	66.3
148	64.4	32.5	97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.768 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.5	38.7	116.1
157	94.0	48.1	144.4

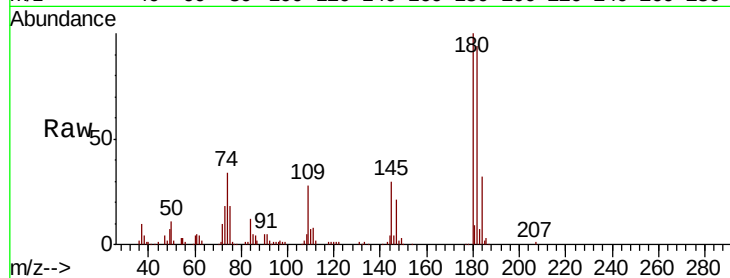




#93
 1,2,4-Trichlorobenzene
 Concen: 19.737 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.2	141.6
145	30.6	15.6	46.8

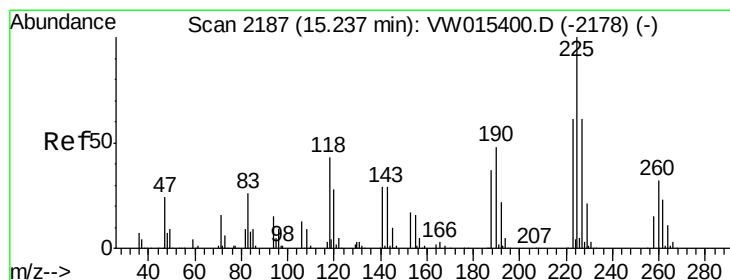
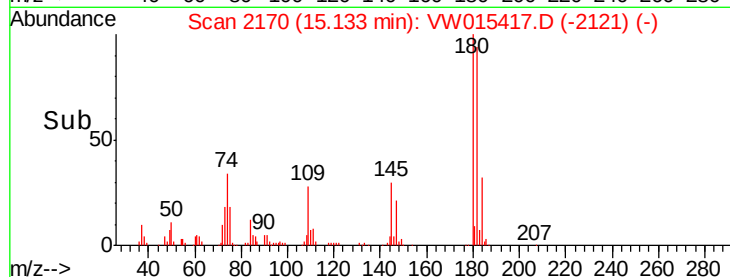
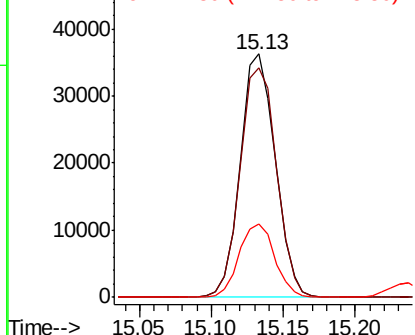


Abundance

Ion 179.80 (179.50 to 180.50): V

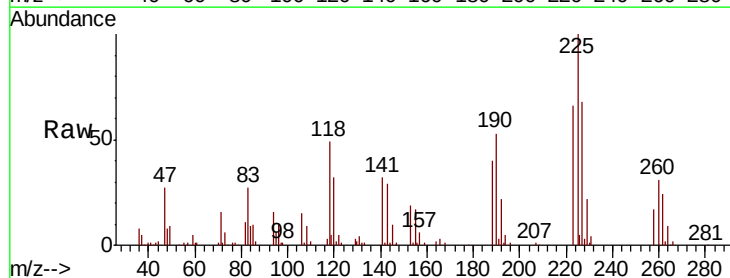
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.877 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	30.7	92.1
227	65.1	32.0	96.0

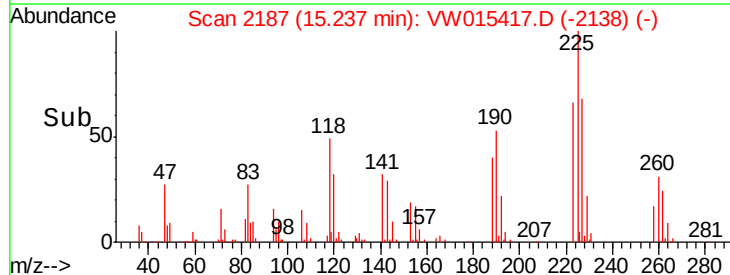
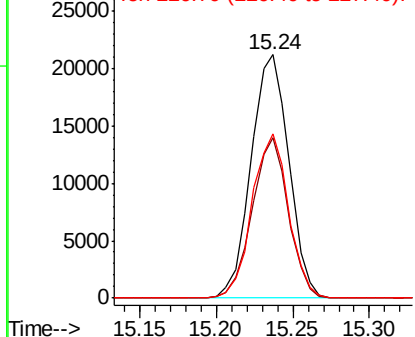


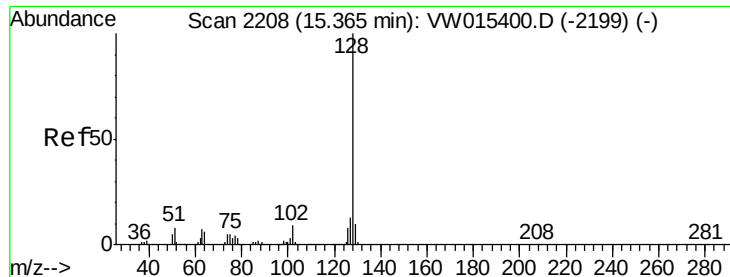
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.954 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

Instrument :

MSVOA_W

ClientSampleId :

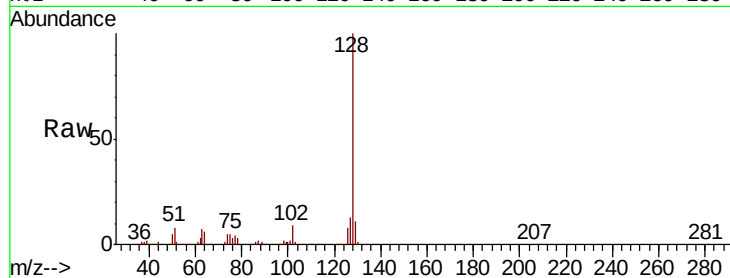
Tot Ion:128 Resp: 110841

Ion Ratio Lower Upper

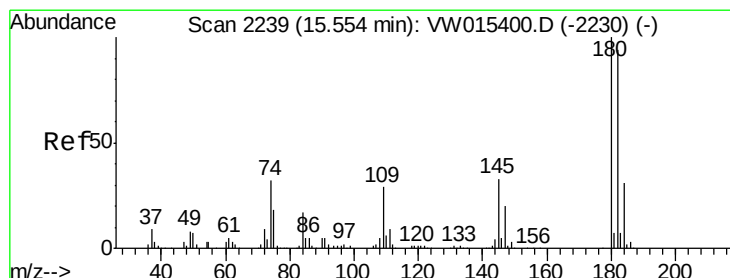
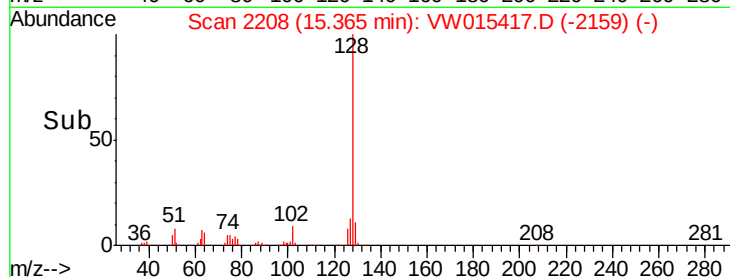
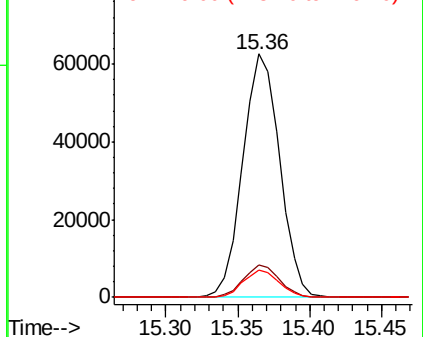
128 100

127 13.1 10.5 15.7

129 10.9 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: 19.188 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015417.D

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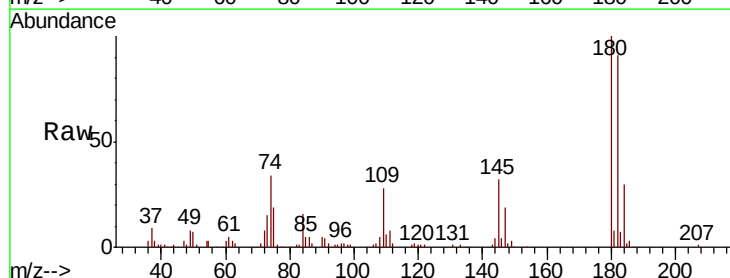
Tgt Ion:180 Resp: 51127

Ion Ratio Lower Upper

180 100

182 98.2 47.6 142.8

145 33.3 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

