

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050720\
 Data File : VW015417.D
 Acq On : 07 May 2020 13:50
 Operator : SY/VA
 Sample : VW0507SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0507SBSD01

Quant Time: May 08 07:29:52 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	27600m	19.841	ug/l	
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

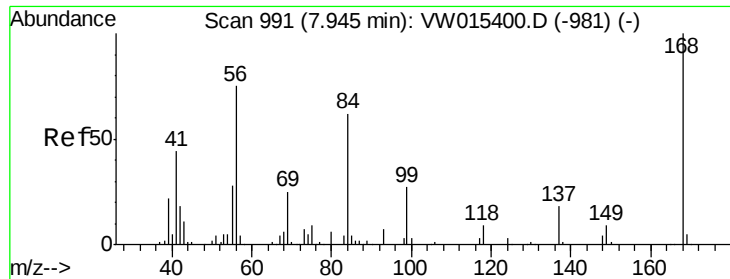
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Quant Title : SW846 8260
QLast Update : Tue May 05 18:41:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	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

ClientSampleId :

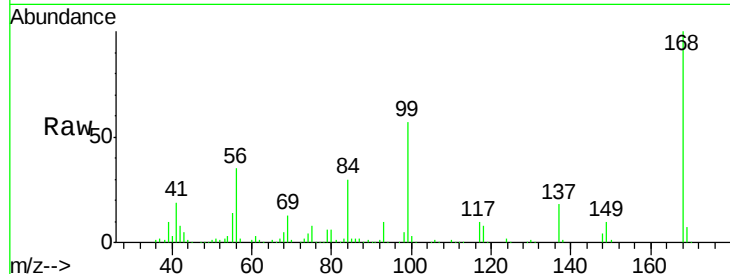
VW0507SBSD01

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

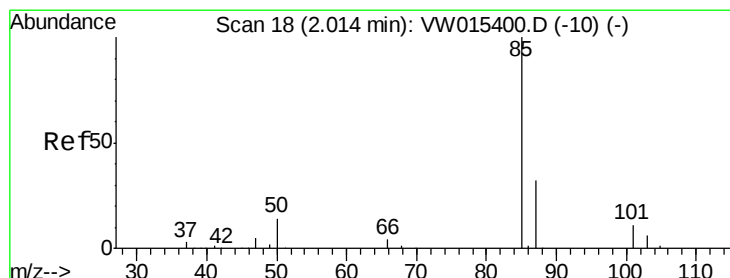
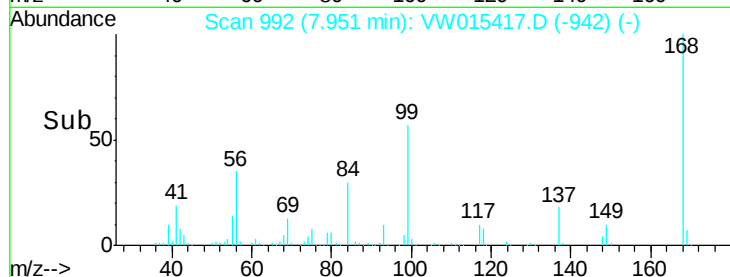
60000

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

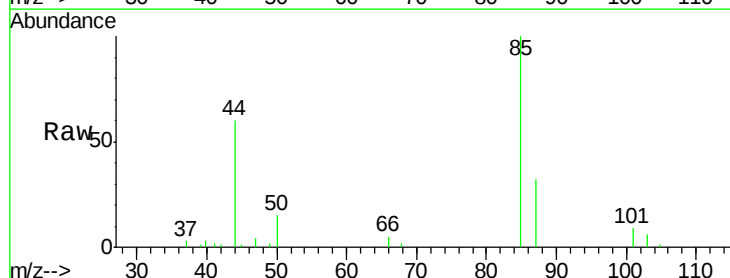
Acq: 07 May 2020 13:50

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

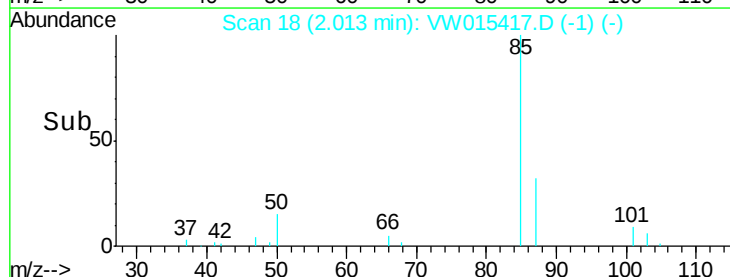
6000

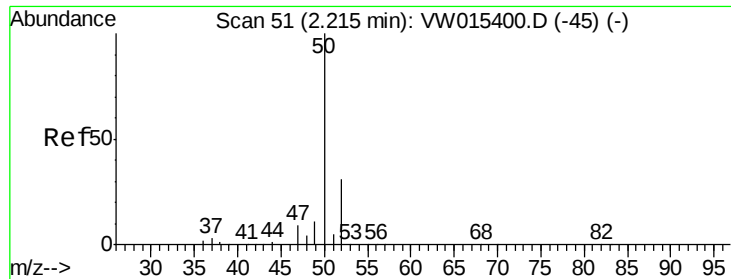
4000

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 :

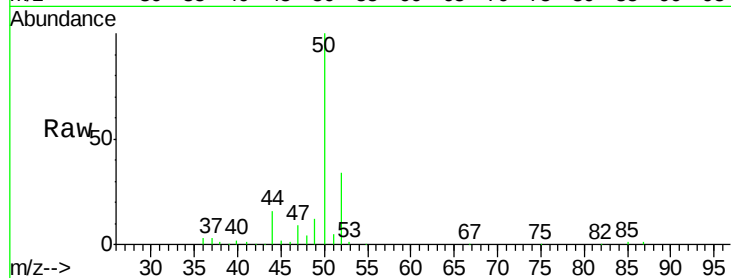
VW0507SBSD01

Tot Ion: 50 Resp: 30924

Ion Ratio Lower Upper

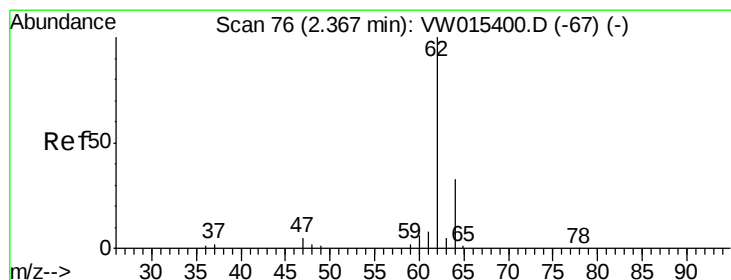
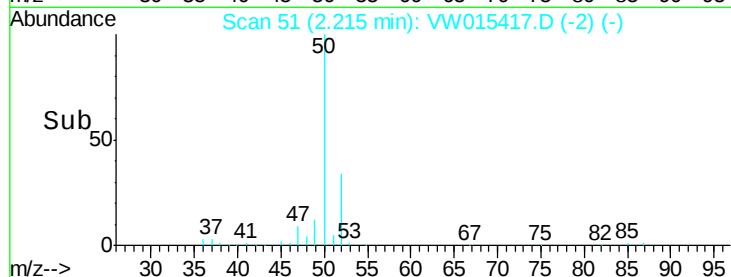
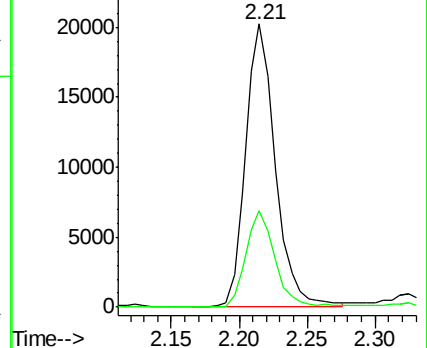
50 100

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

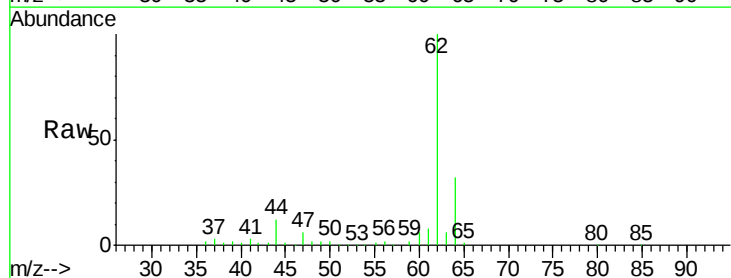
Acq: 07 May 2020 13:50

Tgt Ion: 62 Resp: 49385

Ion Ratio Lower Upper

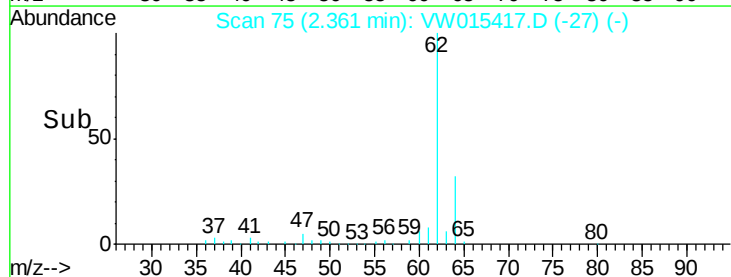
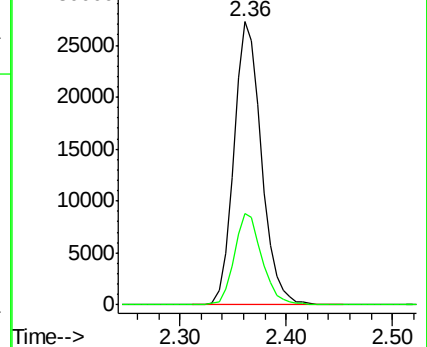
62 100

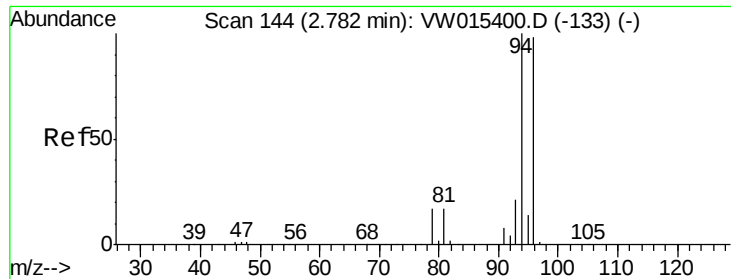
64 32.2 26.4 39.6



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 :

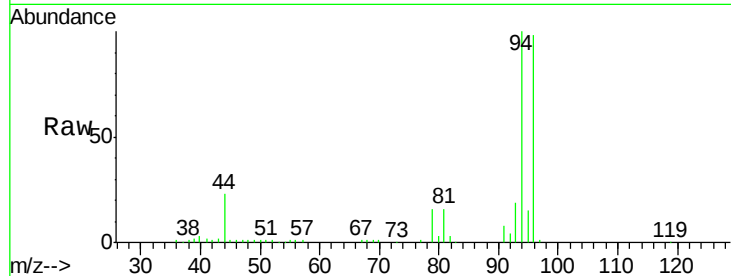
VW0507SBSD01

Tot Ion: 94 Resp: 35811

Ion Ratio Lower Upper

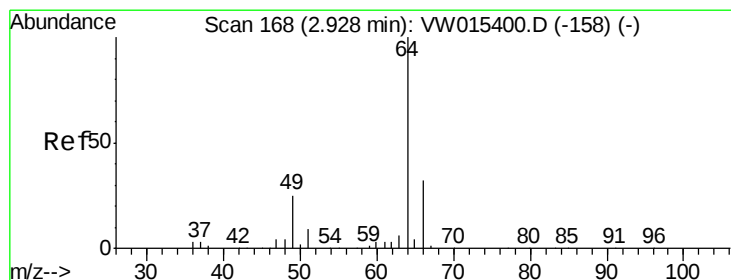
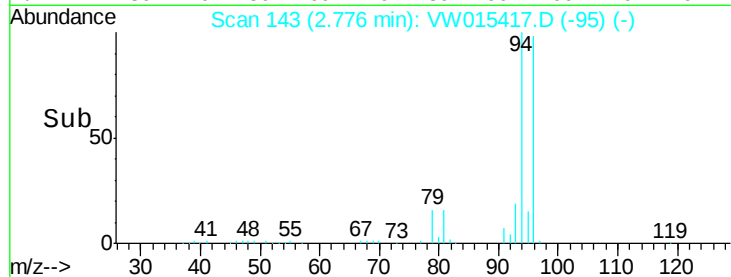
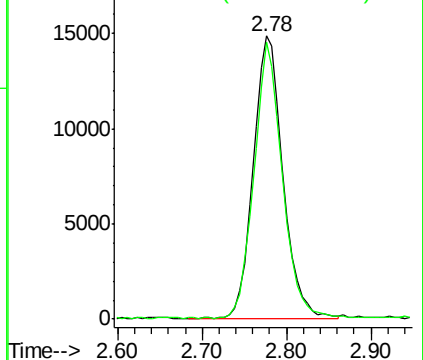
94 100

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

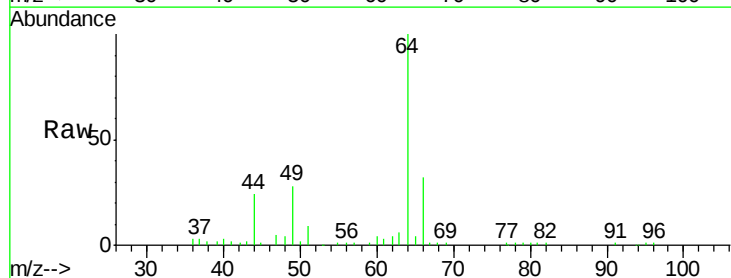
Acq: 07 May 2020 13:50

Tgt Ion: 64 Resp: 32140

Ion Ratio Lower Upper

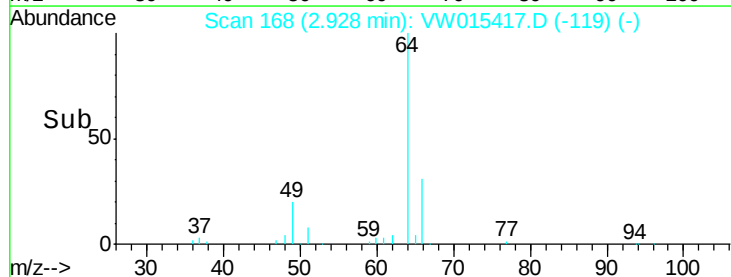
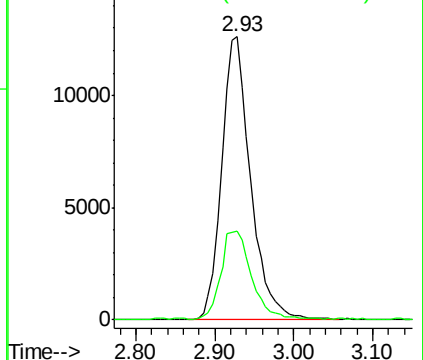
64 100

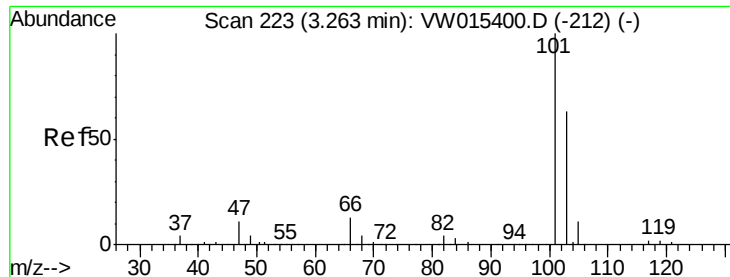
66 31.6 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



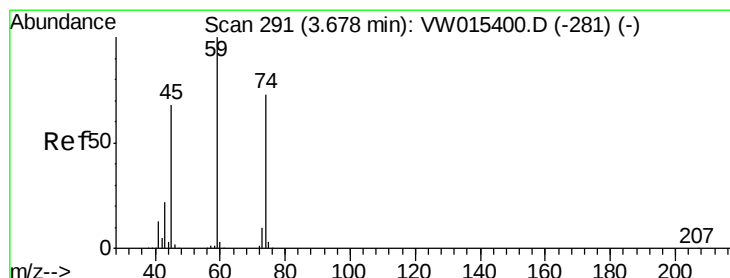
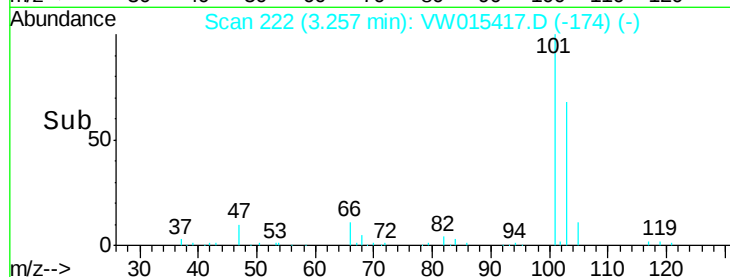
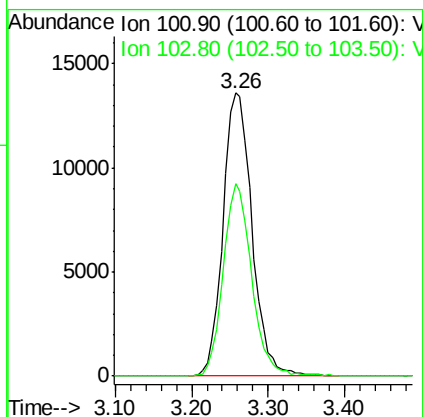
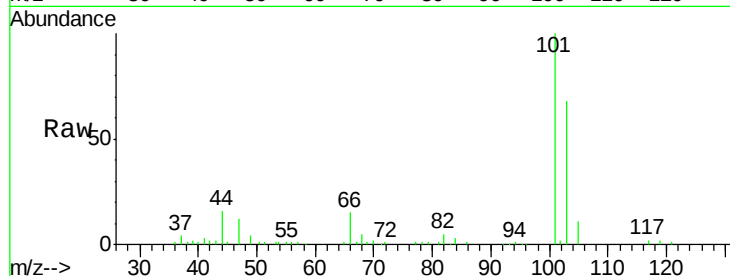


#7

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 :
 VW0507SBS01

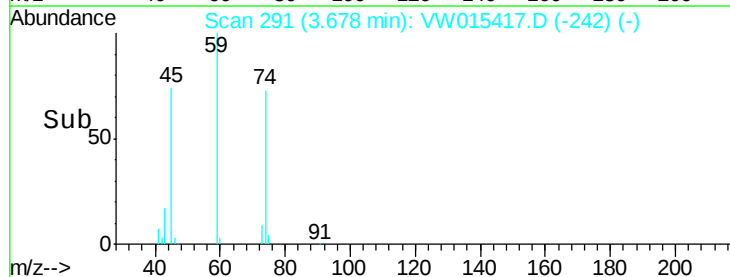
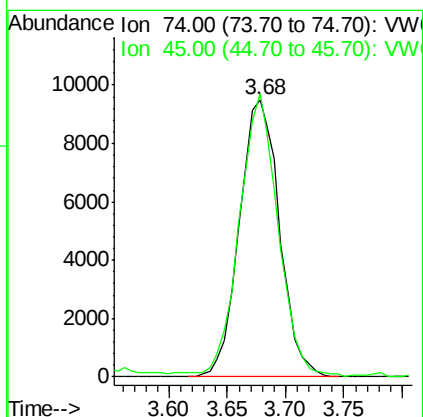
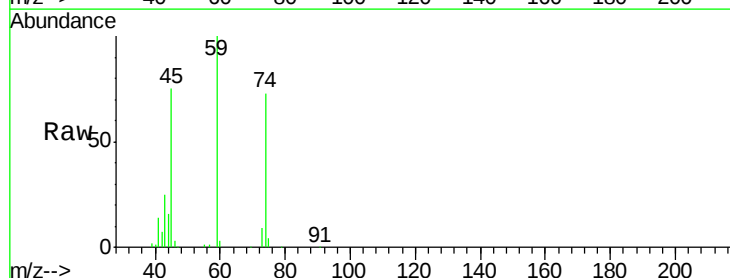
Tot Ion:101 Resp: 35597
 Ion Ratio Lower Upper
 101 100
 103 67.8 50.2 75.4

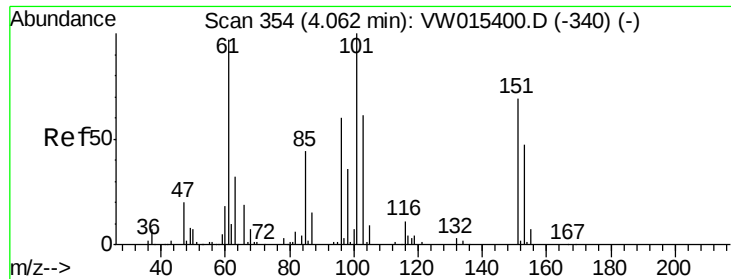


#8

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

ClientSampleId :

VW0507SBSD01

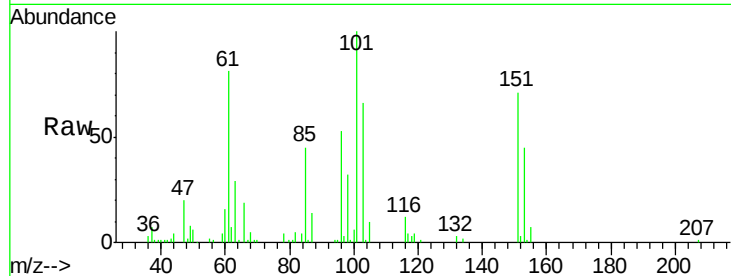
Tot Ion:101 Resp: 43126

Ion Ratio Lower Upper

101 100

85 45.9 37.3 55.9

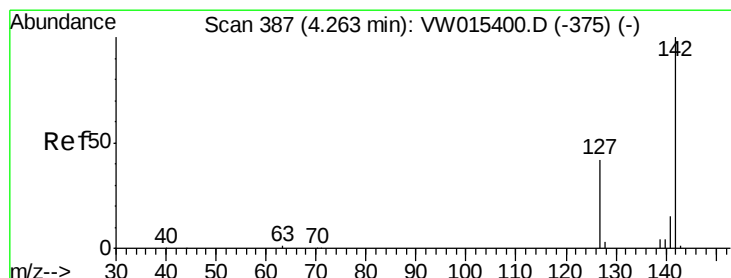
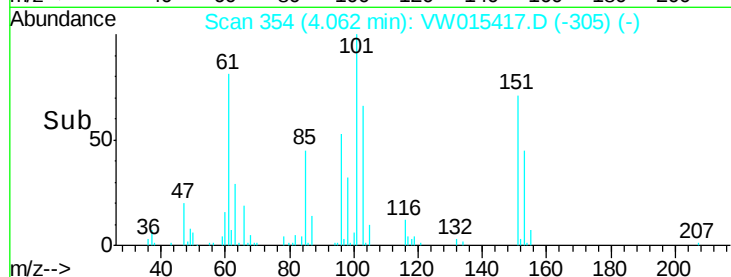
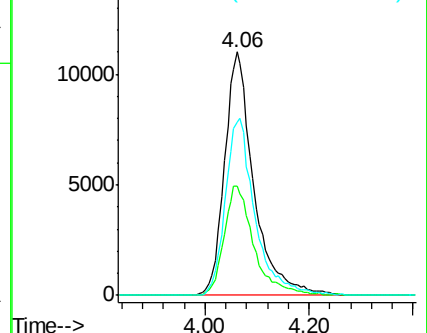
151 73.2 58.9 88.3



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

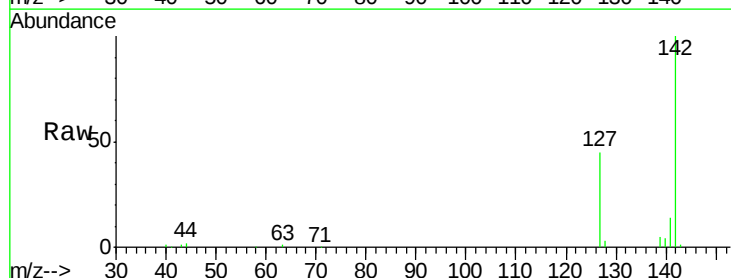
Tgt Ion:142 Resp: 64710

Ion Ratio Lower Upper

142 100

127 45.2 35.4 53.2

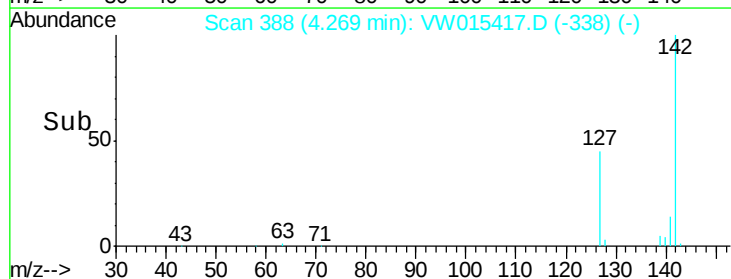
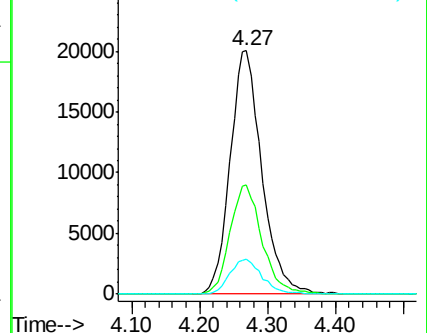
141 14.5 11.7 17.5

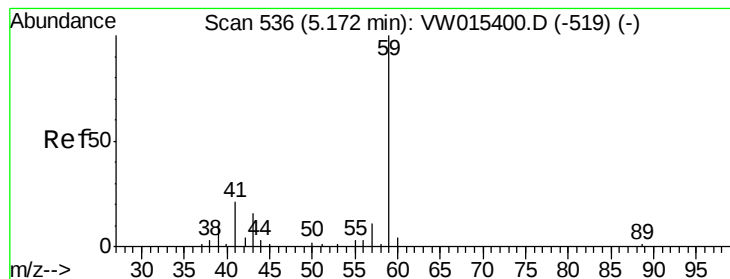


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



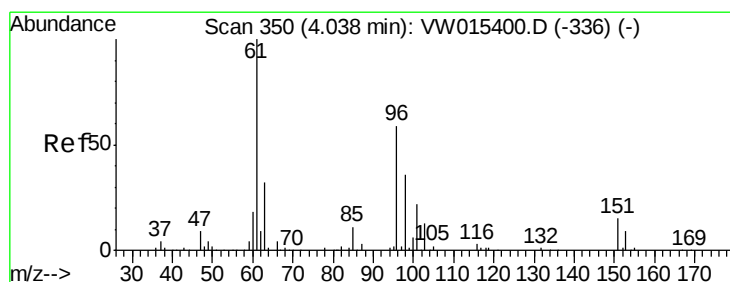
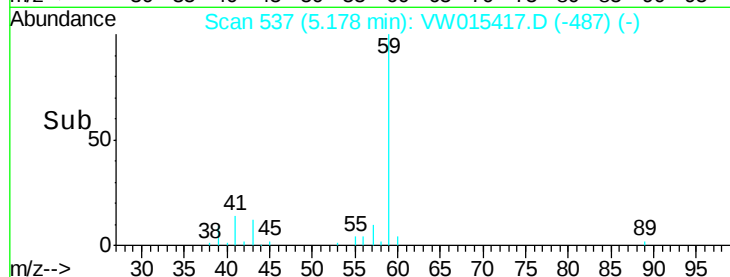
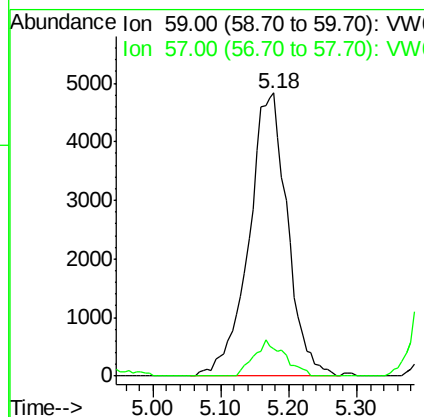
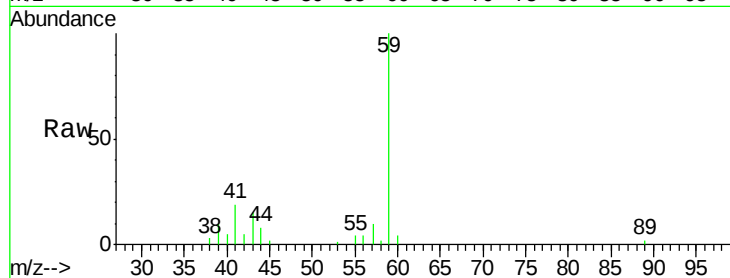


#11

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
 ClientSampleId :
 VW0507SBSD01

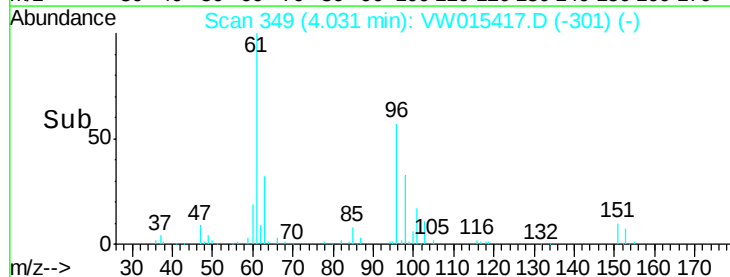
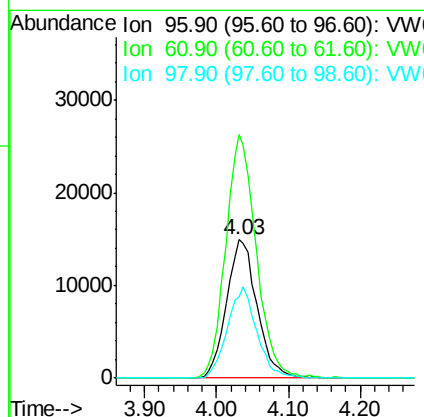
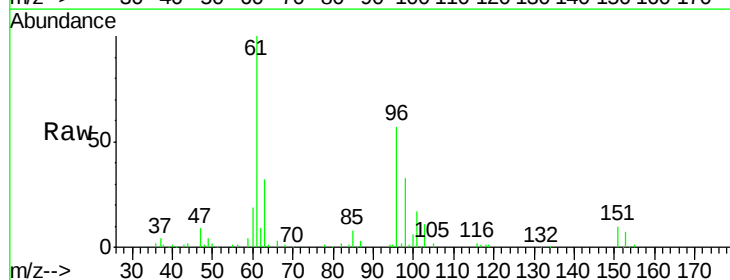
Tot Ion: 59 Resp: 19069
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.6 13.0

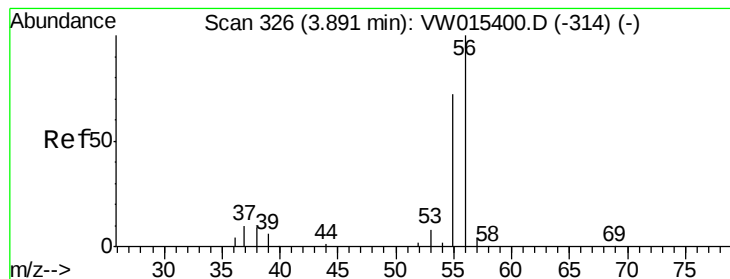


#12

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 :

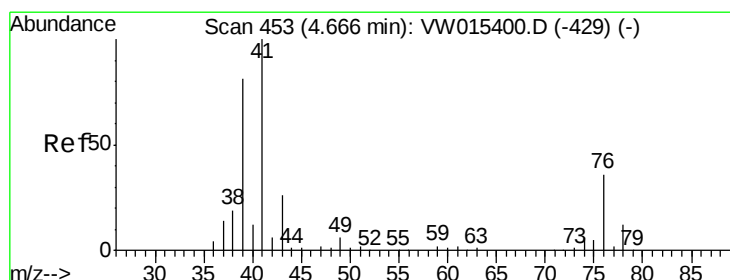
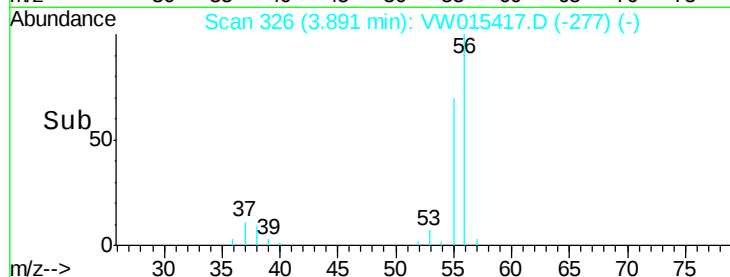
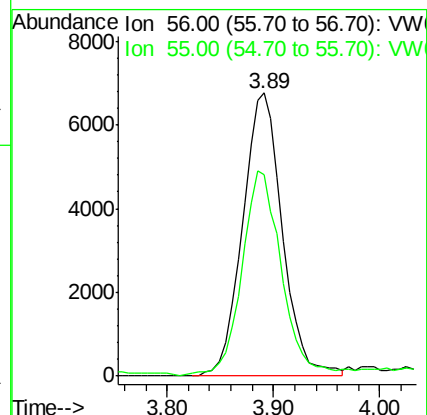
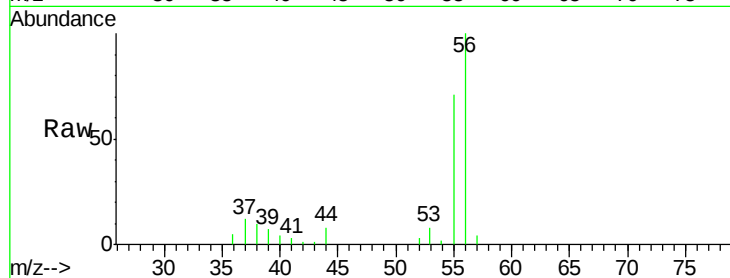
VW0507SBSD01

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

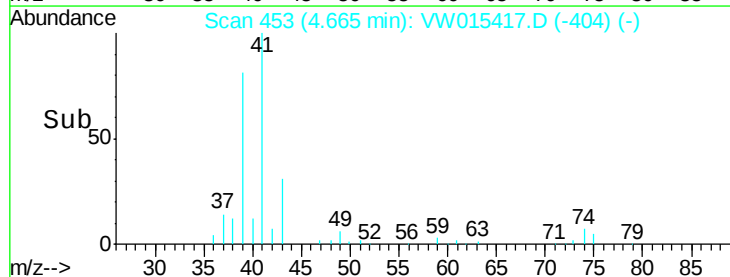
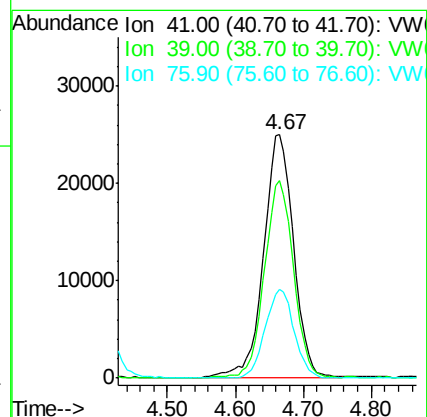
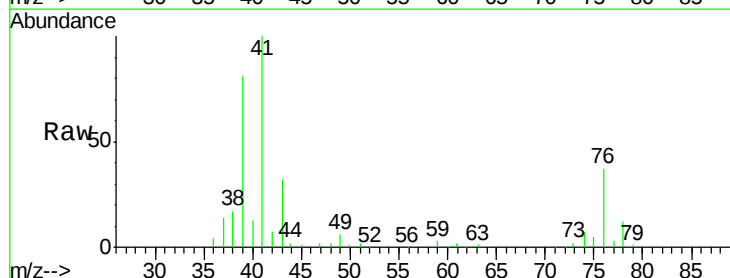
Tgt Ion: 41 Resp: 77353

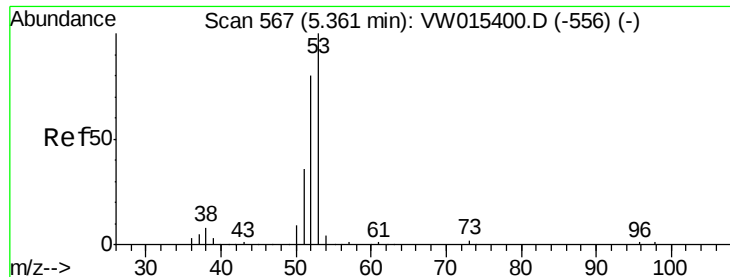
Ion Ratio Lower Upper

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 :

VW0507SBSD01

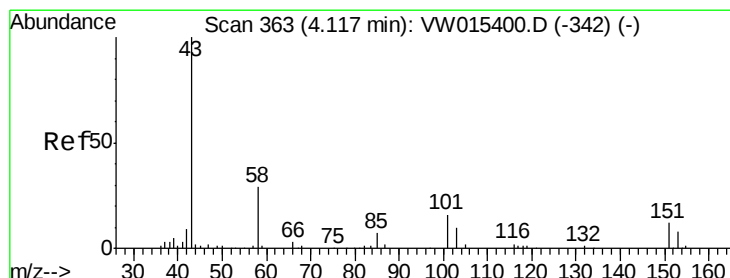
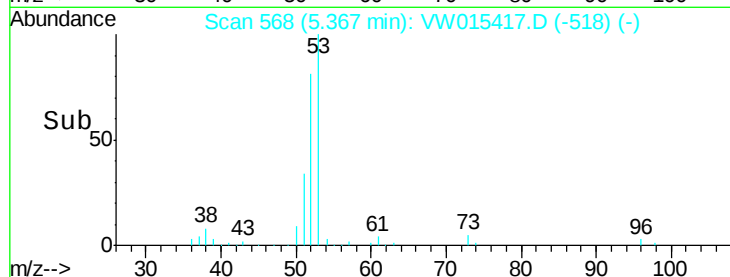
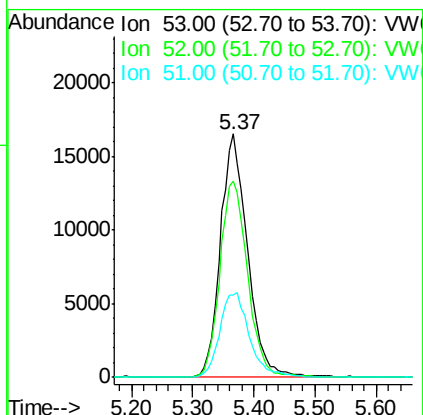
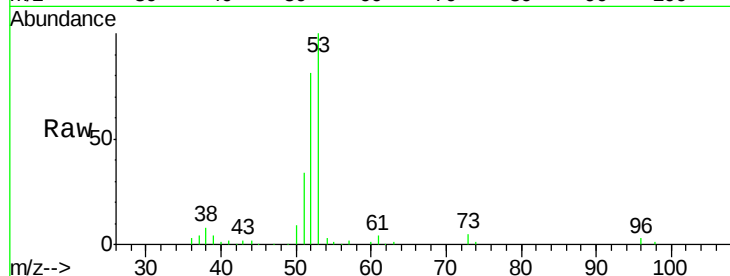
Tot Ion: 53 Resp: 50874

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

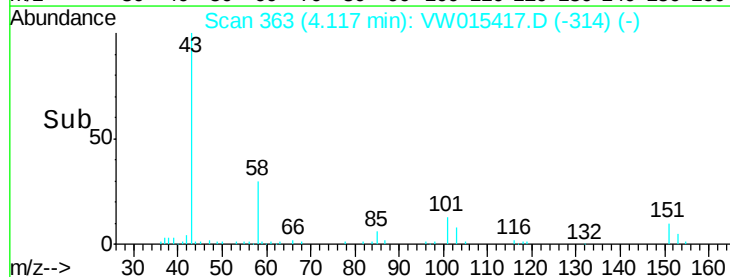
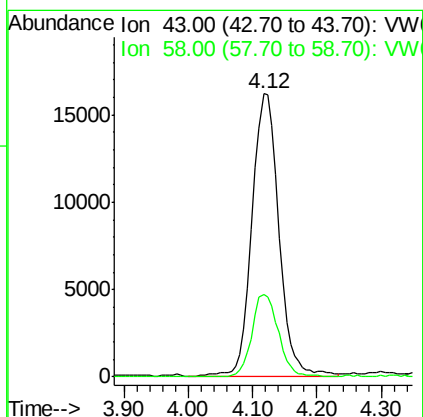
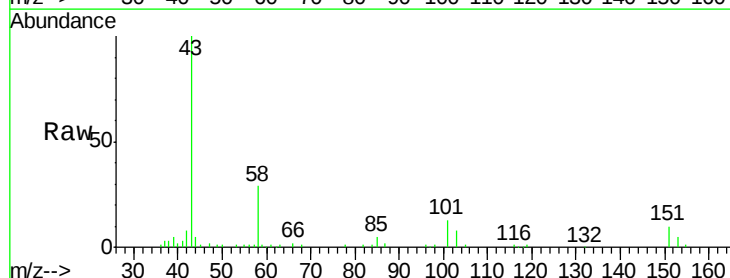
Acq: 07 May 2020 13:50

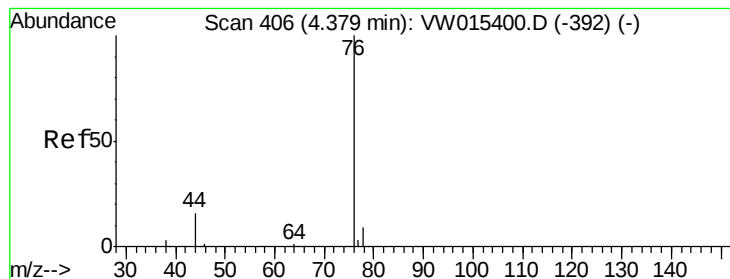
Tgt Ion: 43 Resp: 46855

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 :

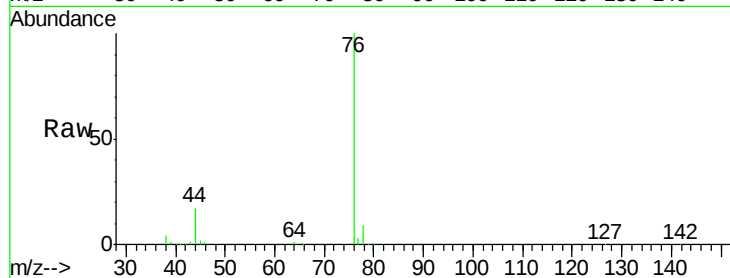
VW0507SBSD01

Tot Ion: 76 Resp: 135252

Ion Ratio Lower Upper

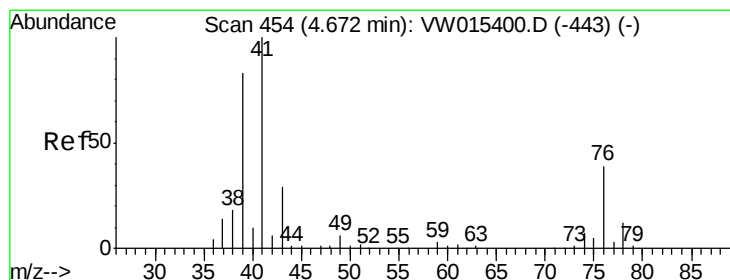
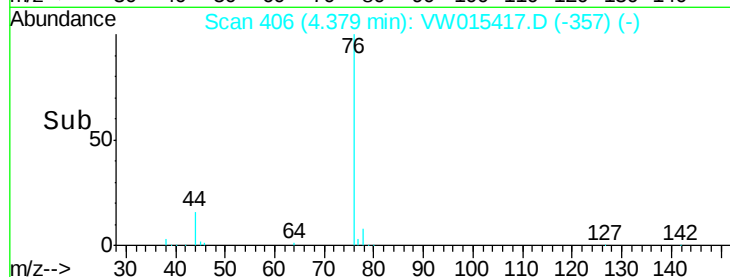
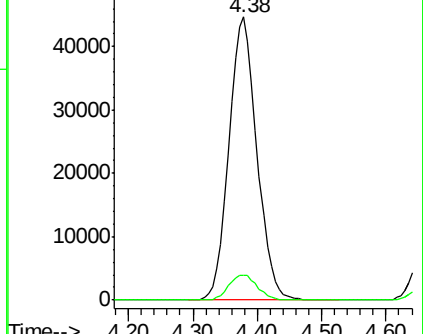
76 100

78 8.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 22.331 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015417.D

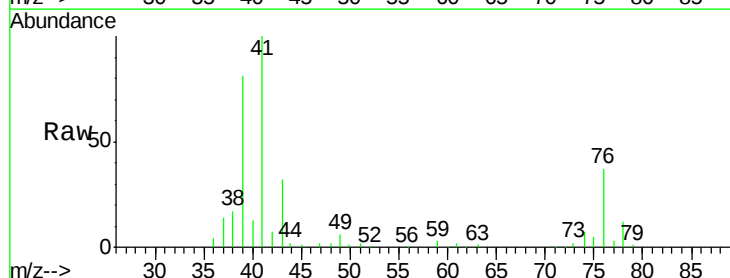
Acq: 07 May 2020 13:50

Tgt Ion: 43 Resp: 22941

Ion Ratio Lower Upper

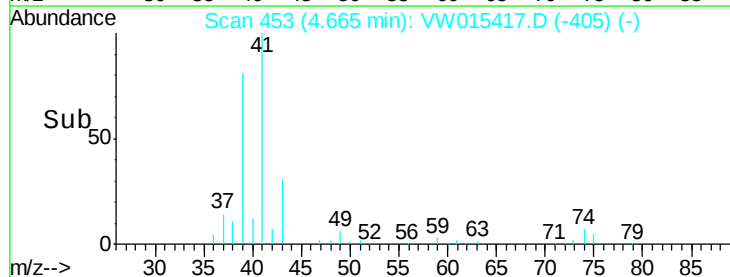
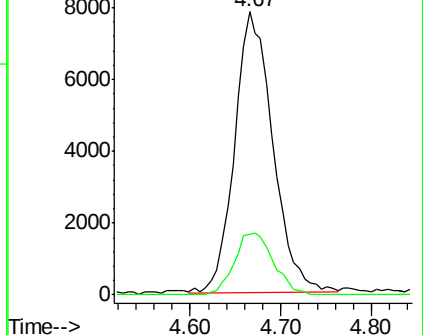
43 100

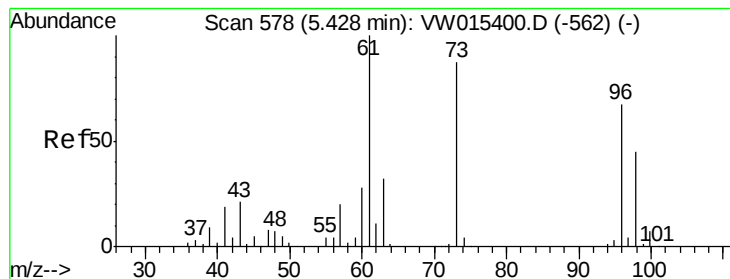
74 22.5 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



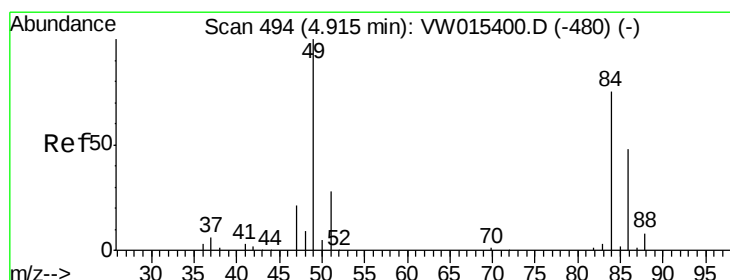
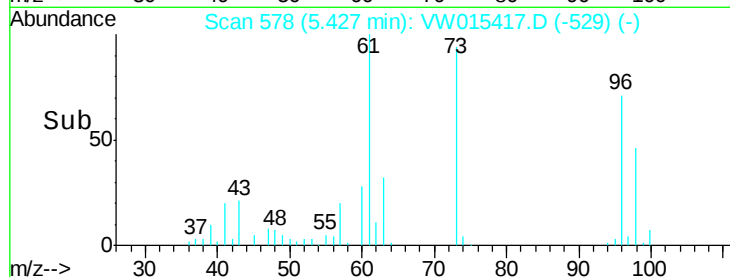
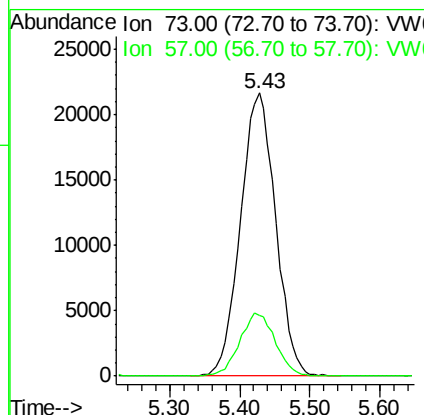
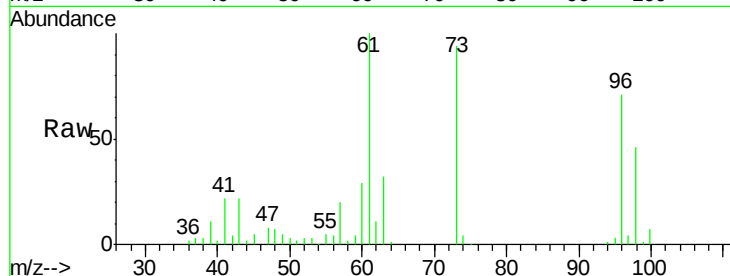


#19

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
 ClientSampleId :
 VW0507SBS01

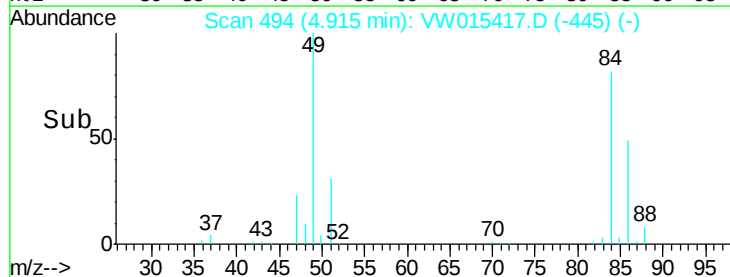
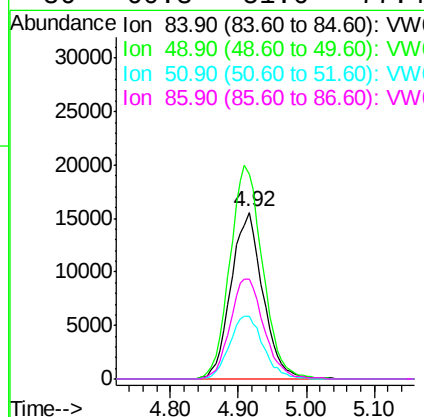
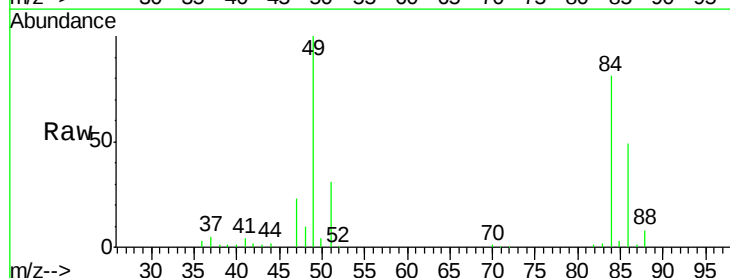
Tot Ion: 73 Resp: 75494
 Ion Ratio Lower Upper
 73 100
 57 21.6 18.5 27.7

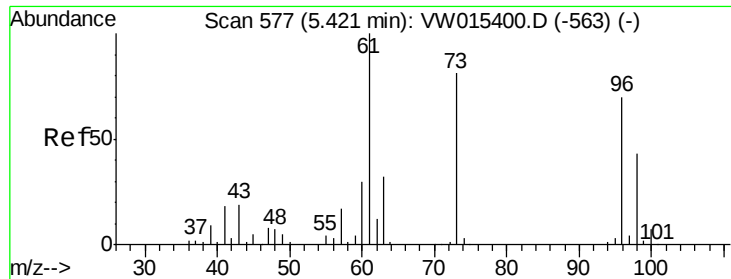


#20

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 :

VW0507SBSD01

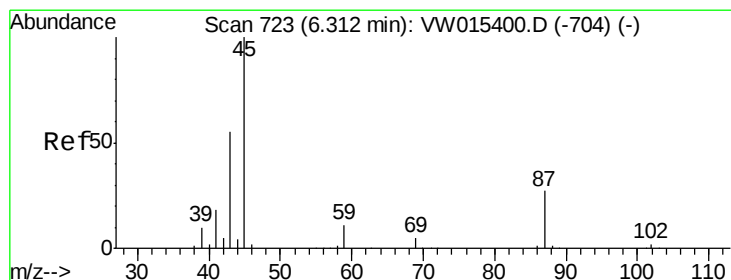
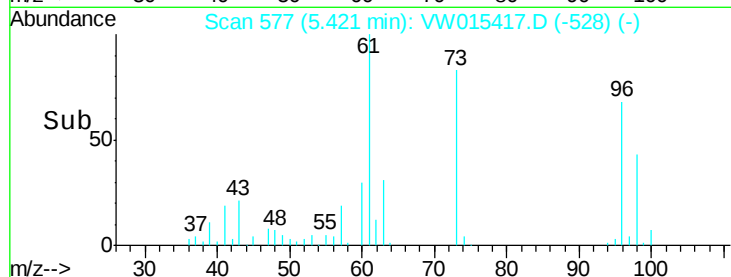
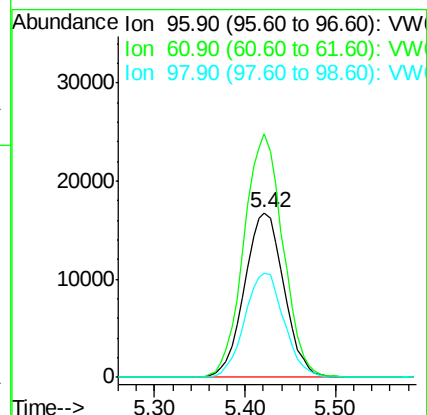
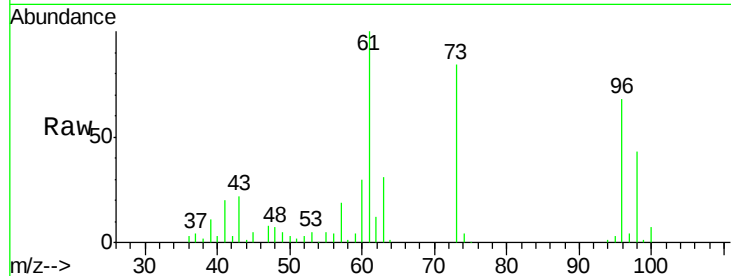
Tot Ion: 96 Resp: 50643

Ion Ratio Lower Upper

96 100

61 148.1 114.9 172.3

98 63.6 49.4 74.0



#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

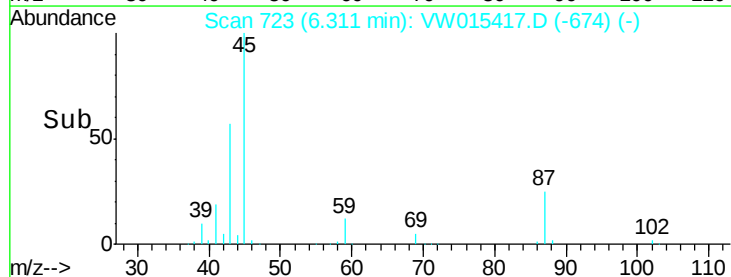
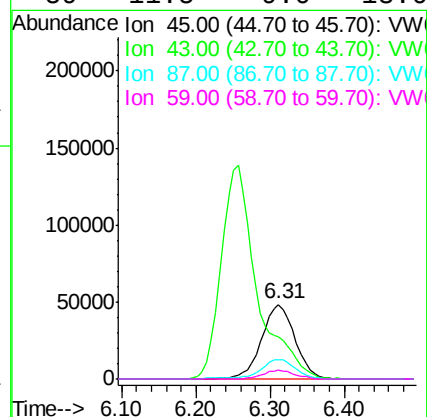
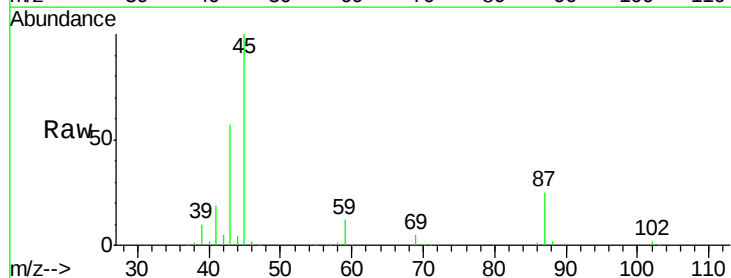
Ion Ratio Lower Upper

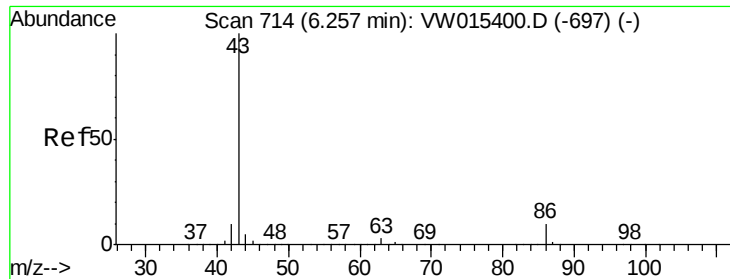
45 100

43 56.0 44.2 66.4

87 25.4 21.6 32.4

59 11.5 9.0 13.6





#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

ClientSampleId :

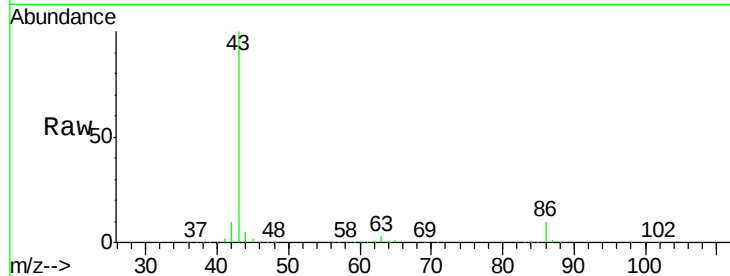
VW0507SBS01

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

6.26

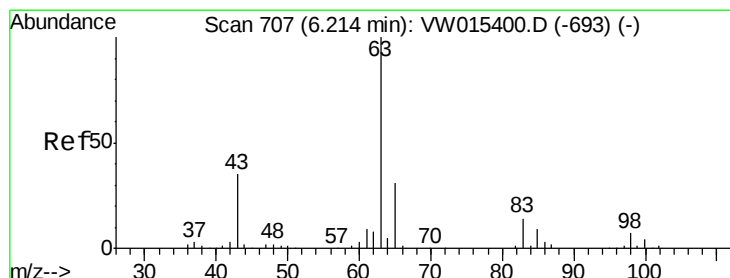
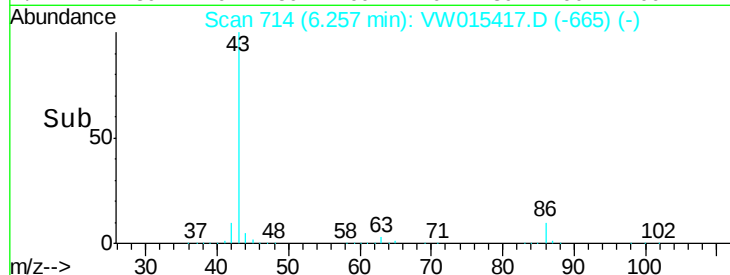
150000

100000

50000

0

Time-->



#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

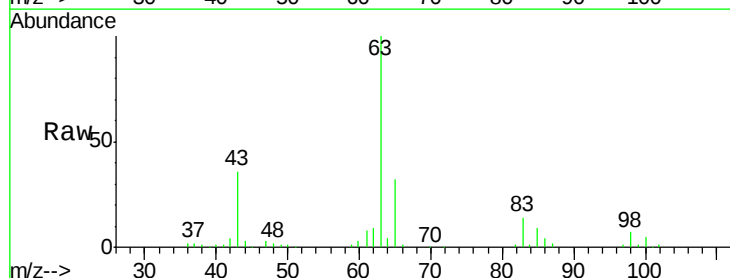
Tgt Ion: 63 Resp: 90813

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

40000

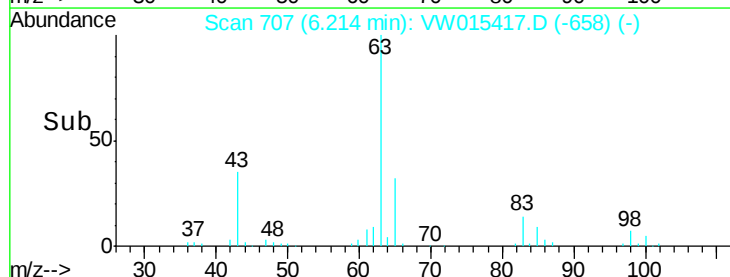
30000

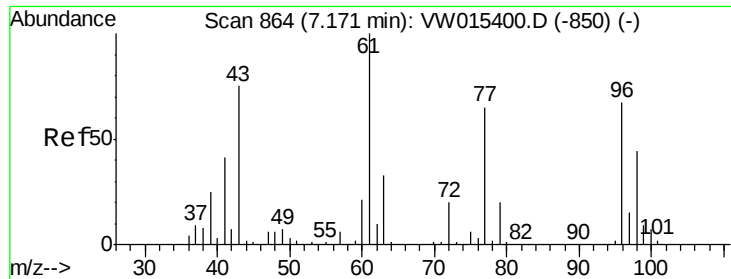
20000

10000

0

Time-->

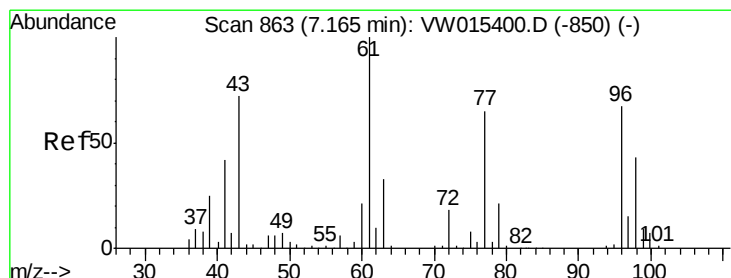
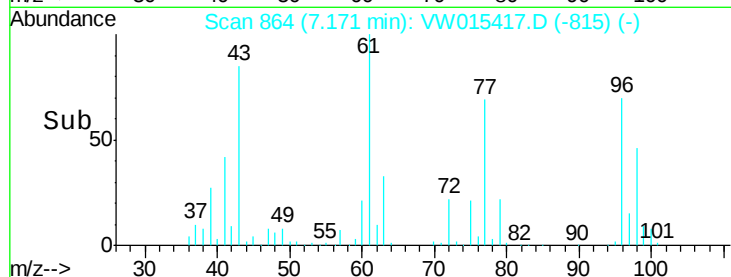
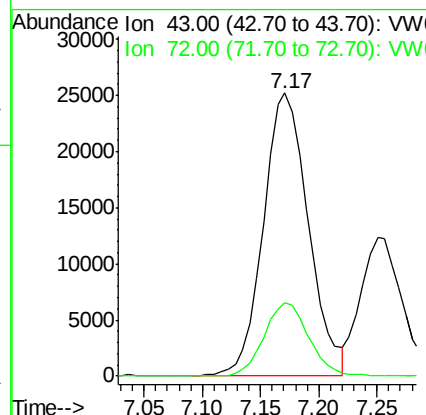
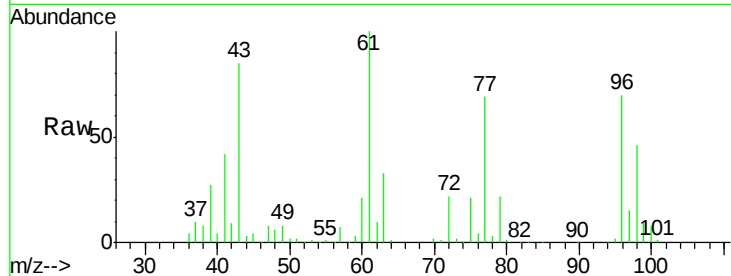




#25
2-Butanone
Concen: 111.414 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

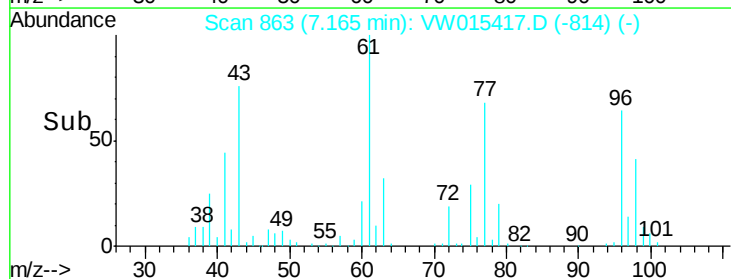
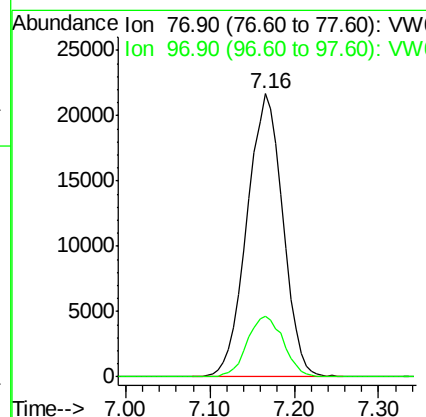
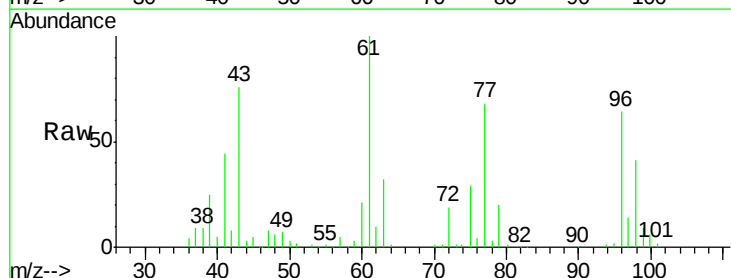
Instrument :
MSVOA_W
ClientSampleId :
VW0507SBSD01

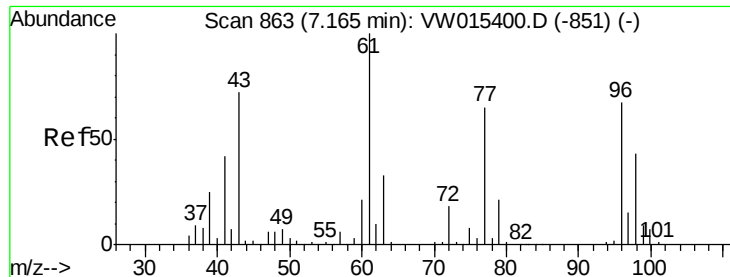
Tot Ion: 43 Resp: 67202
Ion Ratio Lower Upper
43 100
72 26.2 21.4 32.0



#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



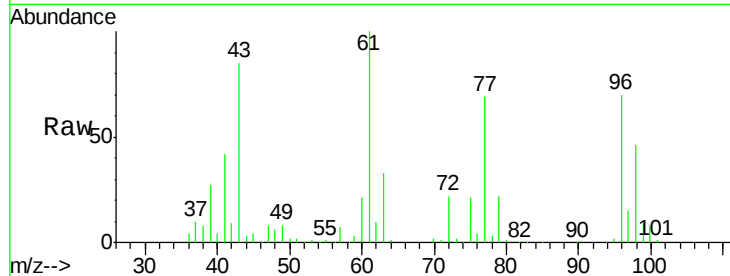


#27

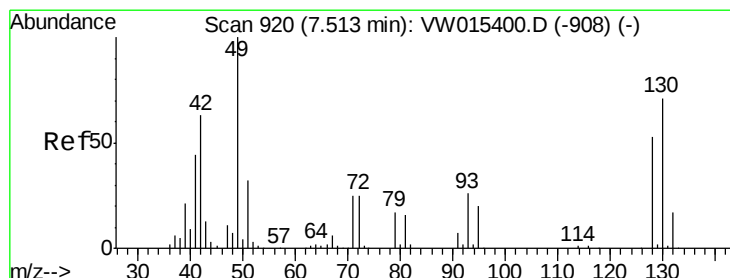
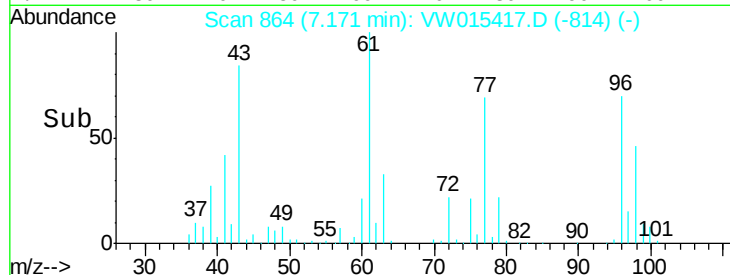
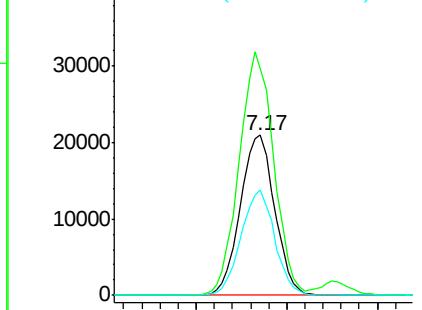
cis-1,2-Dichloroethene
Concen: 20.421 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

Instrument :
MSVOA_W
ClientSampled :
VW0507SBS01

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



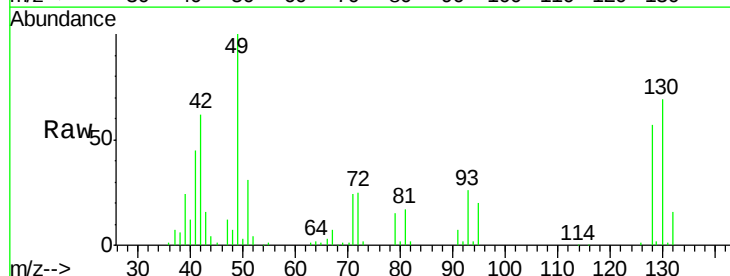
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



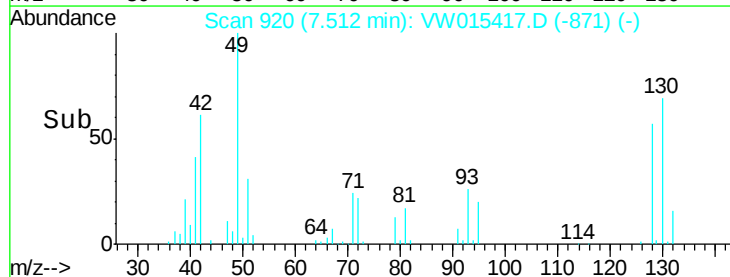
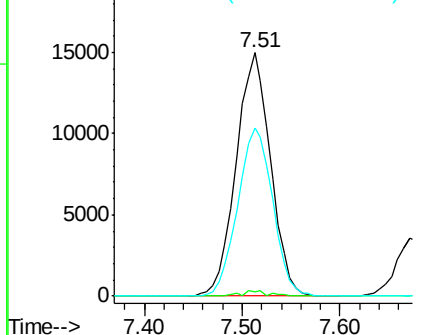
#28

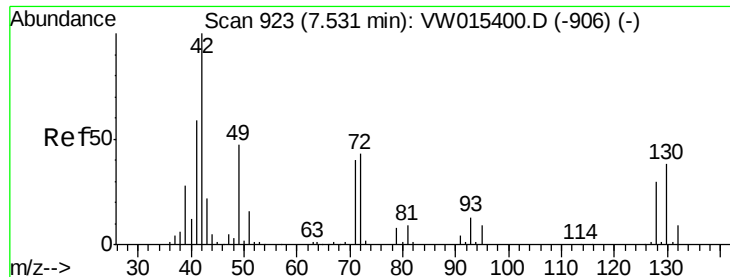
Bromochloromethane
Concen: 20.270 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

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 :

VW0507SBSD01

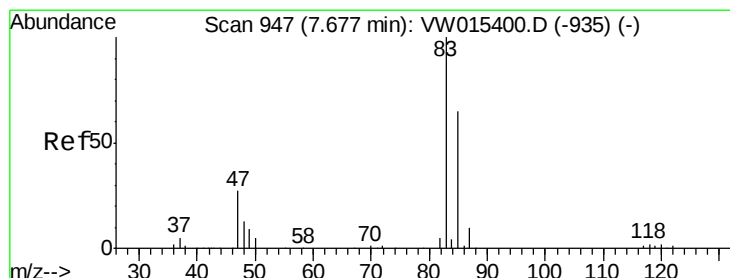
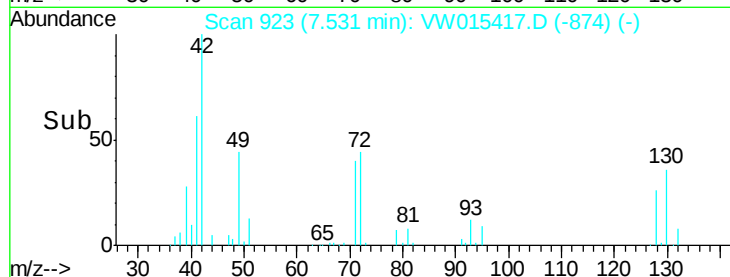
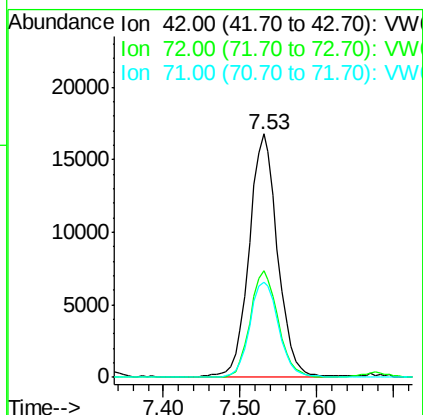
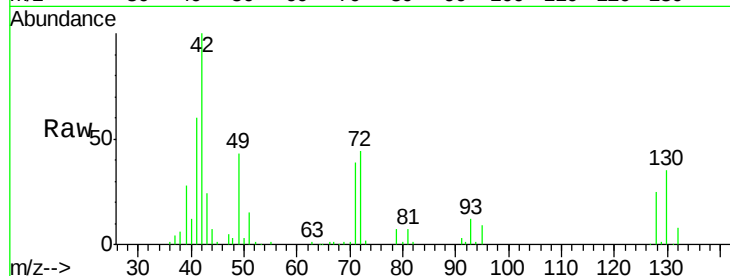
Tot Ion: 42 Resp: 43639

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

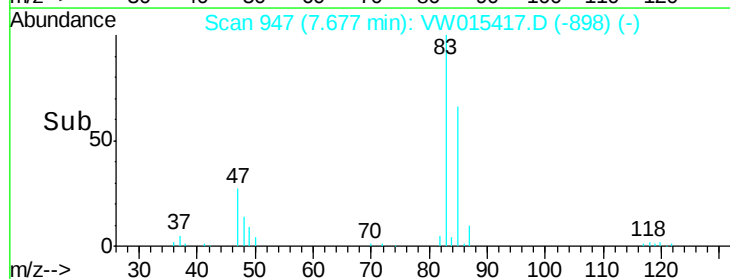
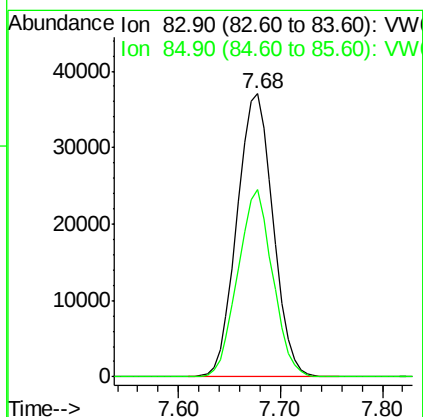
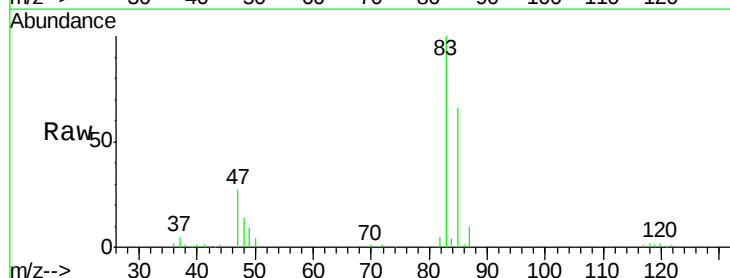
Acq: 07 May 2020 13:50

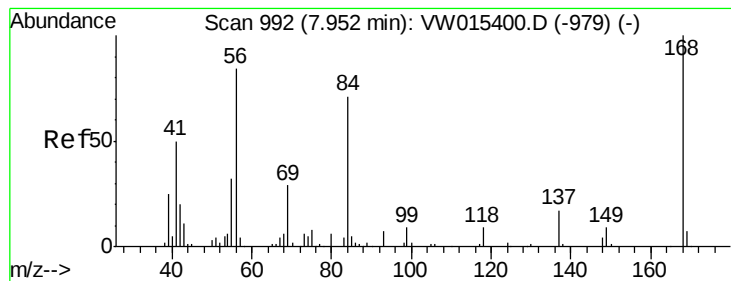
Tgt Ion: 83 Resp: 90960

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 :

VW0507SBS01

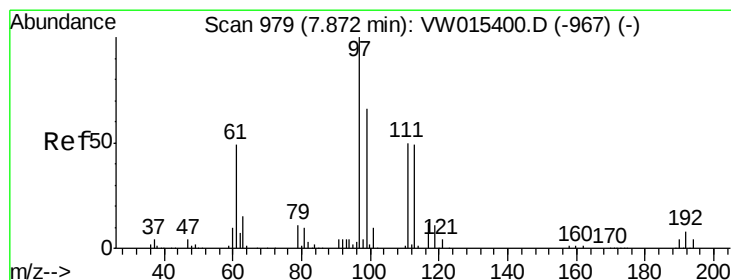
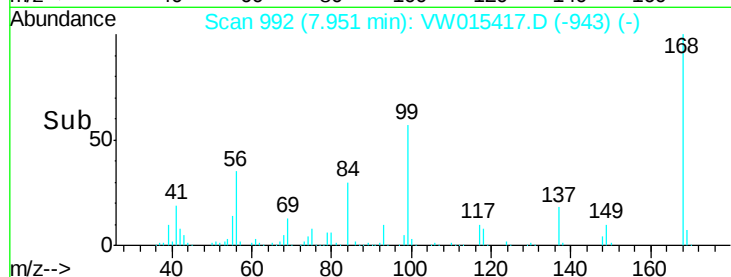
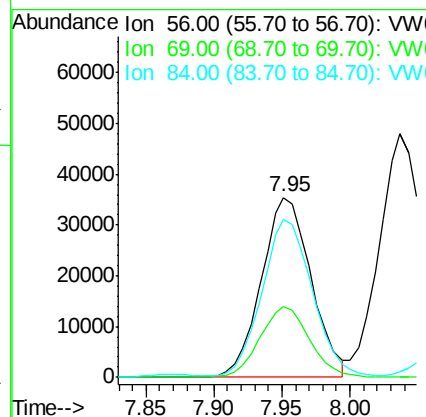
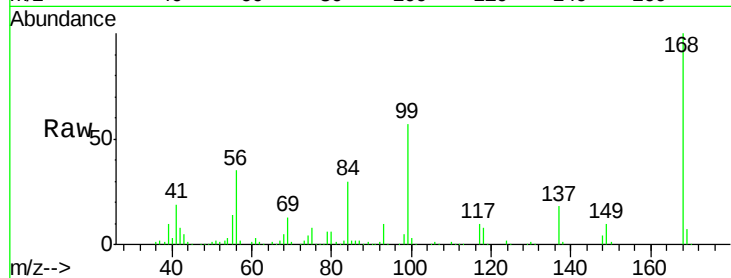
Tot Ion: 56 Resp: 90445

Ion Ratio Lower Upper

56 100

69 39.1 27.2 40.8

84 86.5 67.7 101.5



#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

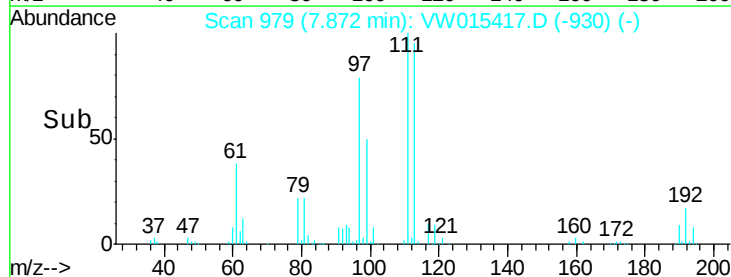
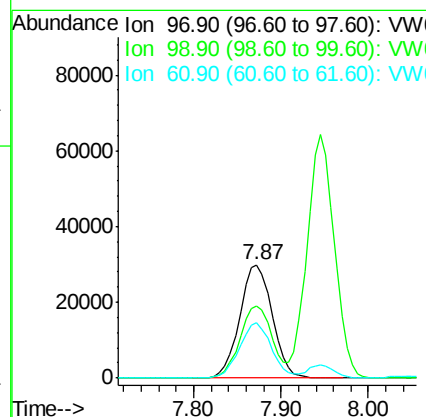
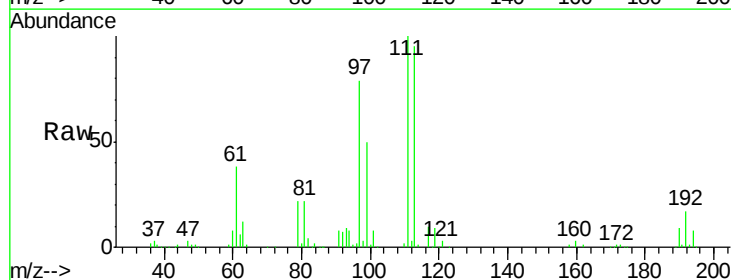
Tgt Ion: 97 Resp: 77156

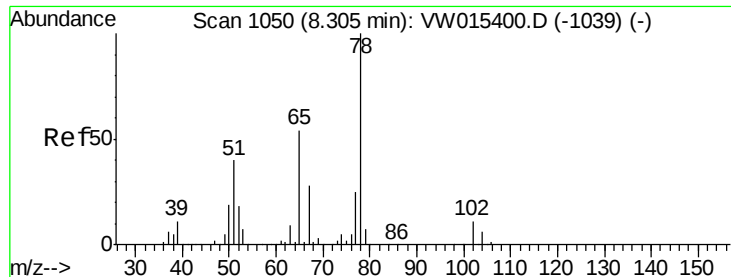
Ion Ratio Lower Upper

97 100

99 62.4 50.7 76.1

61 47.8 38.0 57.0

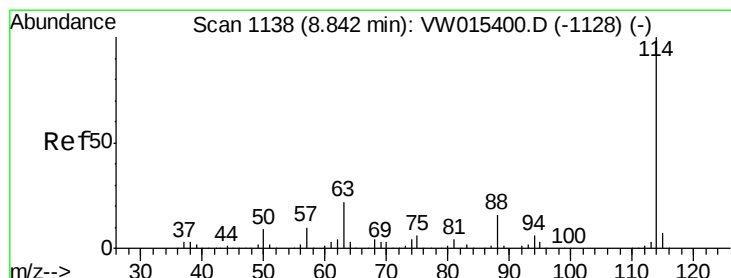
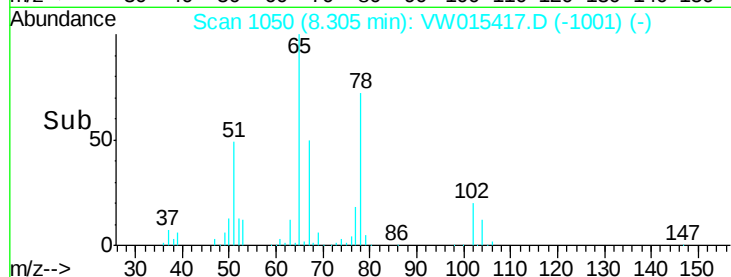
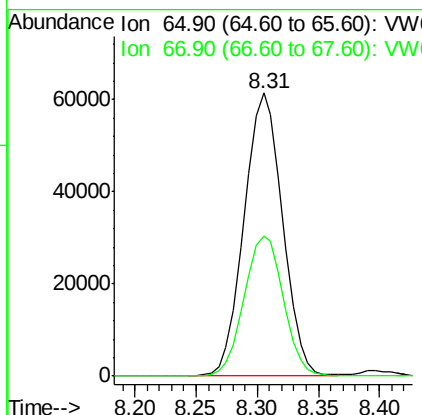
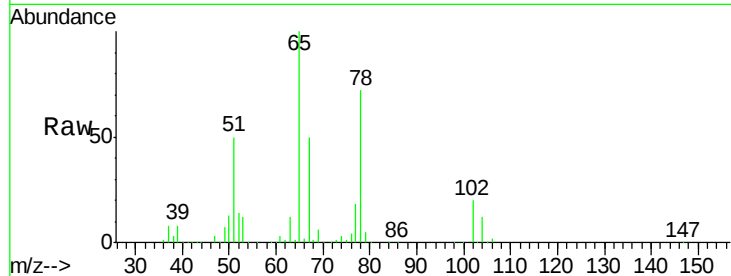




#33
 1,2-Dichloroethane-d4
 Concen: 54.001 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

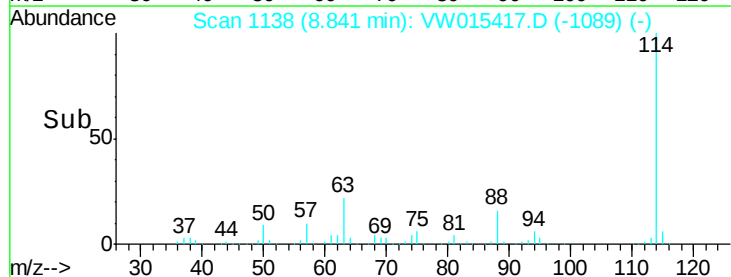
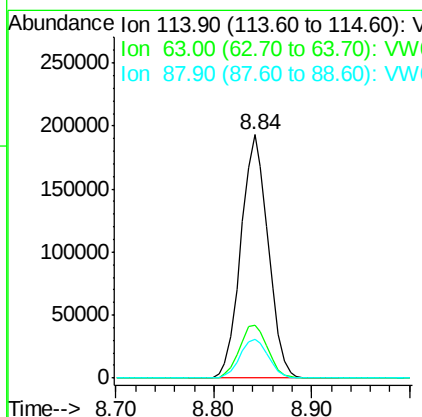
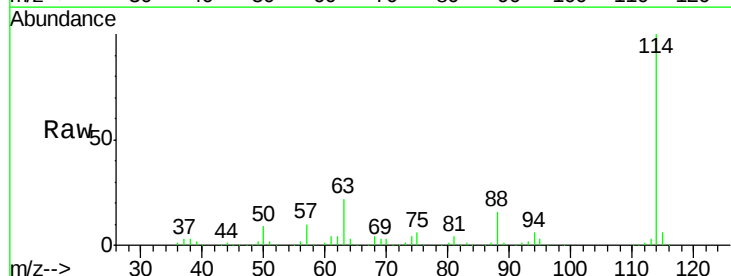
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0507SBSD01

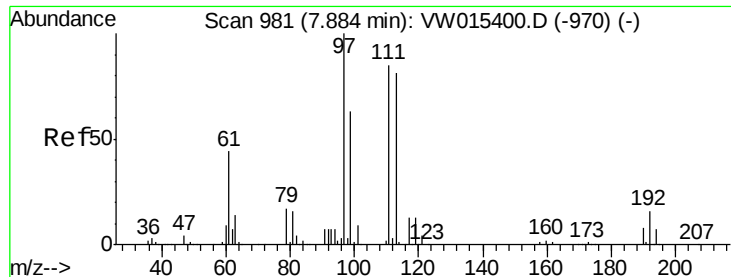
Tot Ion: 65 Resp: 134517
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 102.8



#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

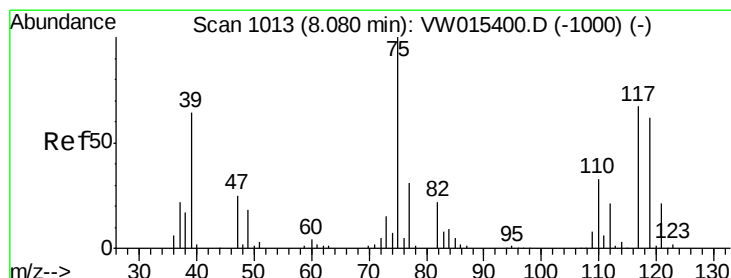
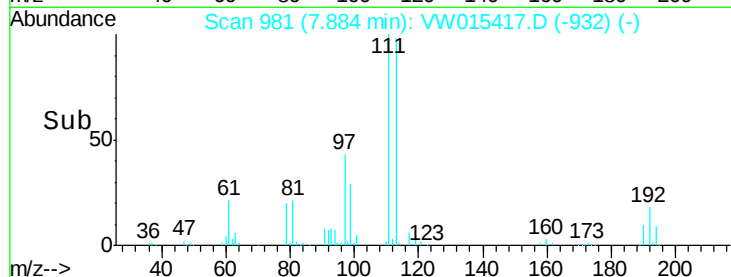
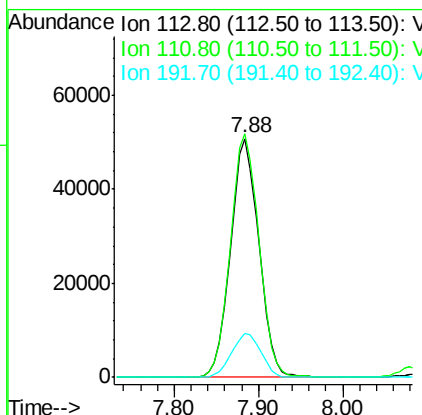
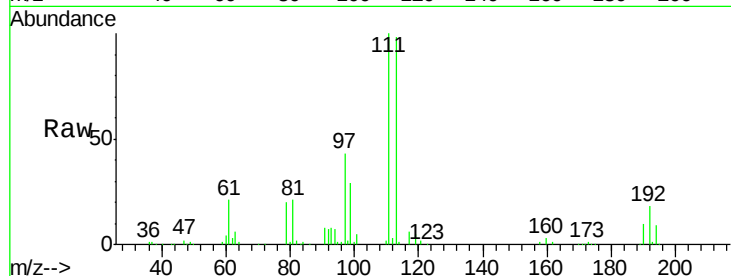




#35
 Dibromofluoromethane
 Concen: 54.089 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

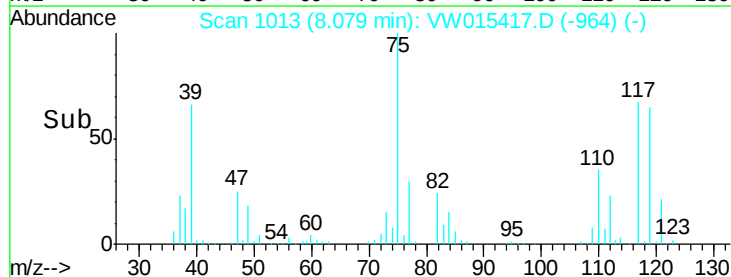
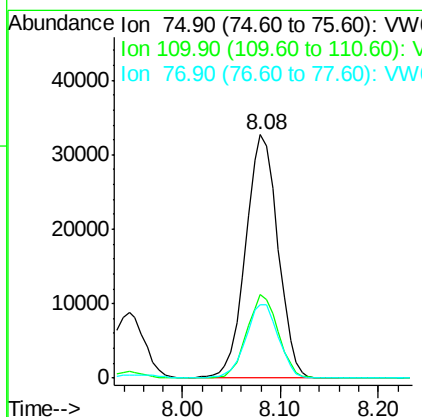
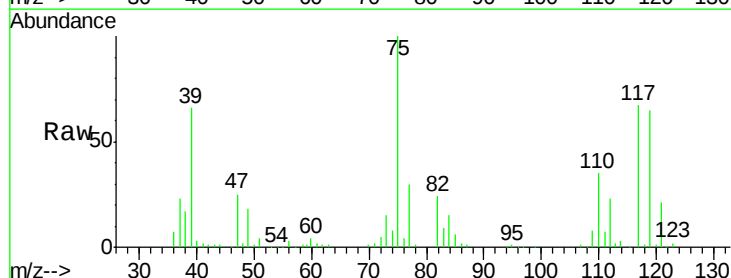
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0507SBSD01

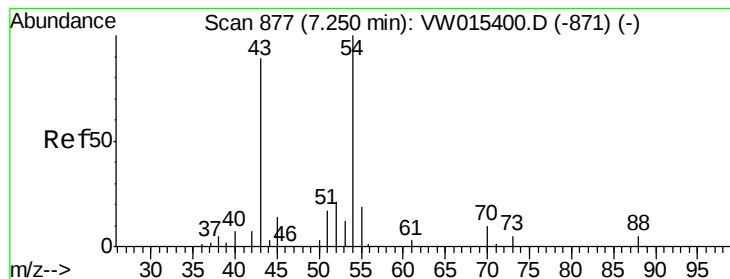
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.9	124.3
192	18.9	15.4	23.0



#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





#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 :

VW0507SBSD01

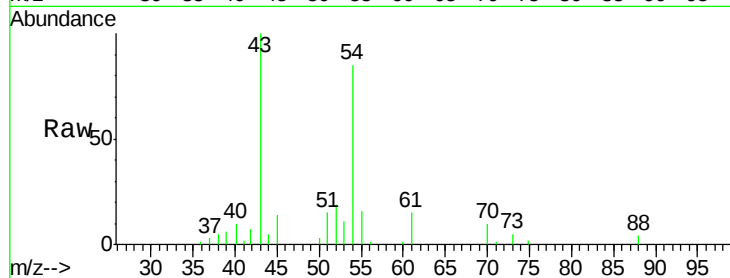
Tot Ion: 43 Resp: 30624

Ion Ratio Lower Upper

43 100

61 14.0 10.2 15.2

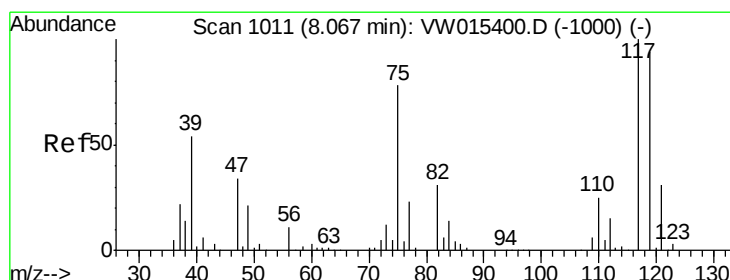
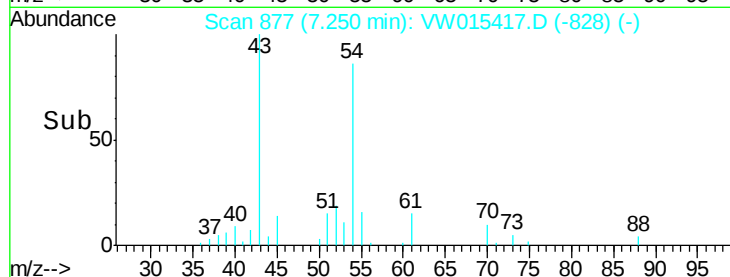
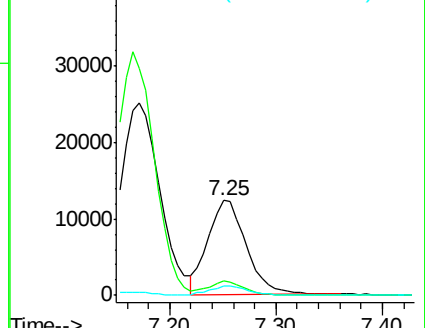
70 10.2 8.0 12.0



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

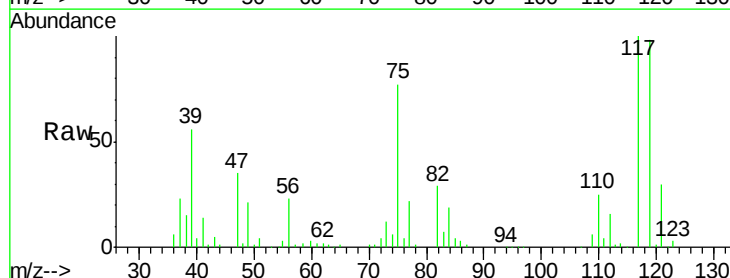
Tgt Ion: 117 Resp: 70983

Ion Ratio Lower Upper

117 100

119 98.4 75.4 113.0

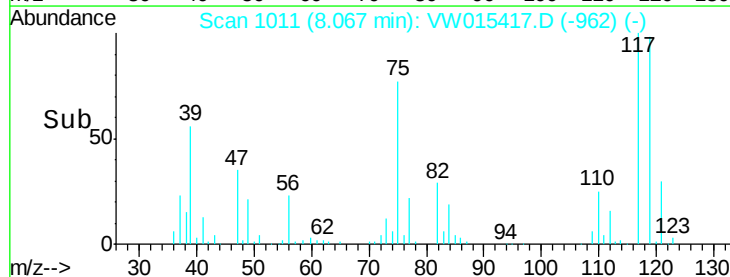
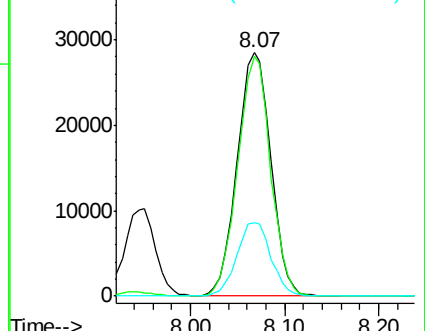
121 30.3 24.8 37.2

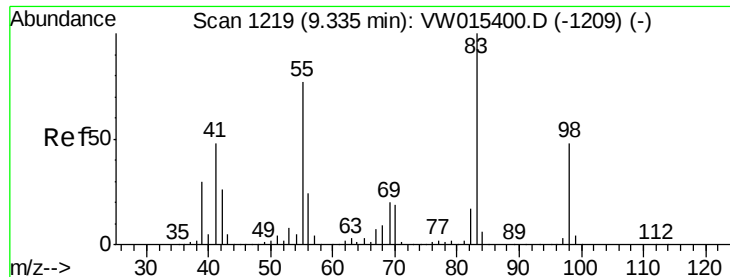


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

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 :

VW0507SBS01

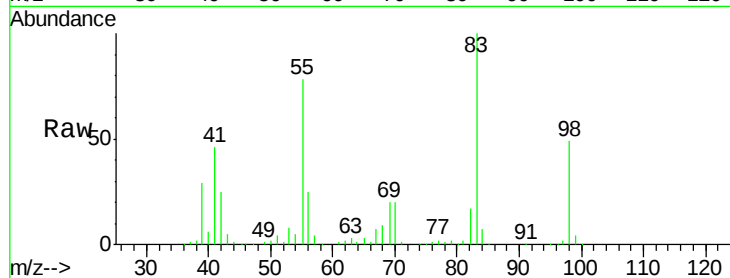
Tot Ion: 83 Resp: 94664

Ion Ratio Lower Upper

83 100

55 78.5 61.9 92.9

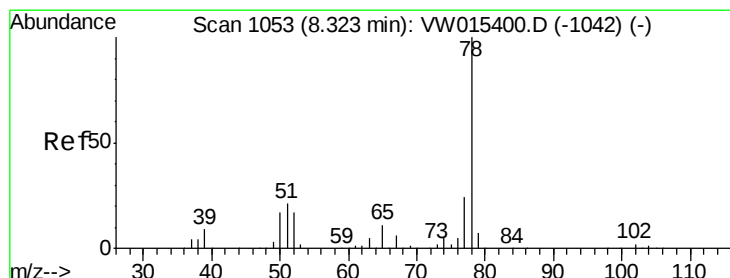
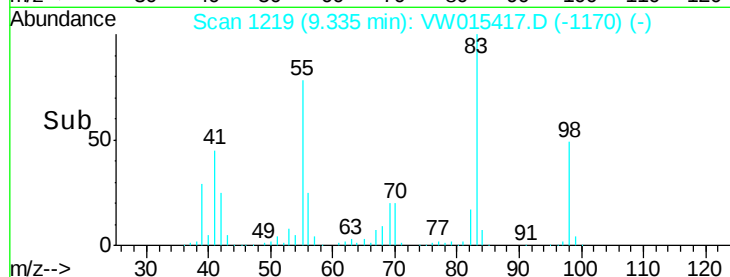
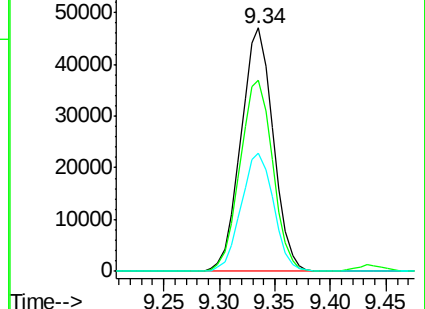
98 48.6 38.2 57.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 20.543 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW015417.D

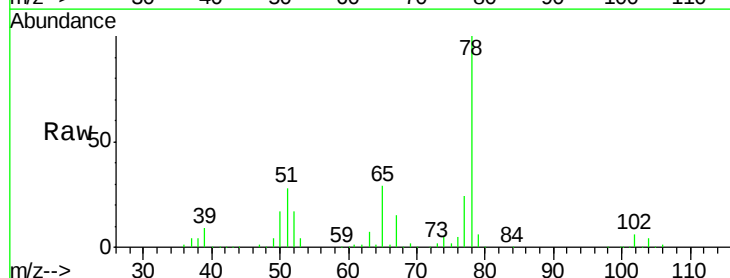
Acq: 07 May 2020 13:50

Tgt Ion: 78 Resp: 205161

Ion Ratio Lower Upper

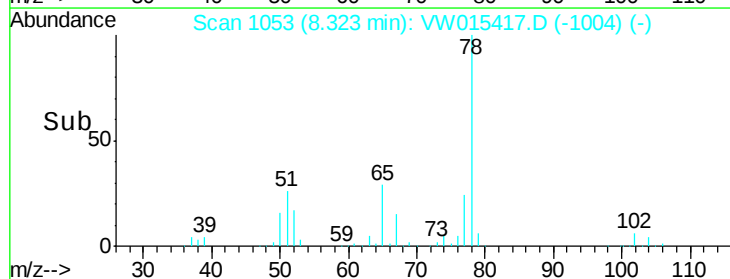
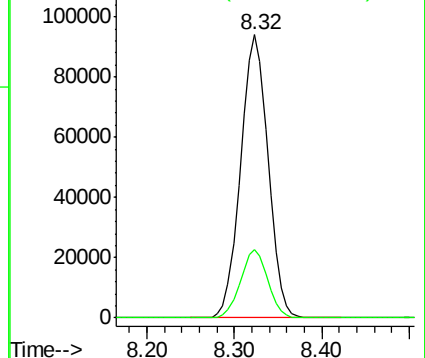
78 100

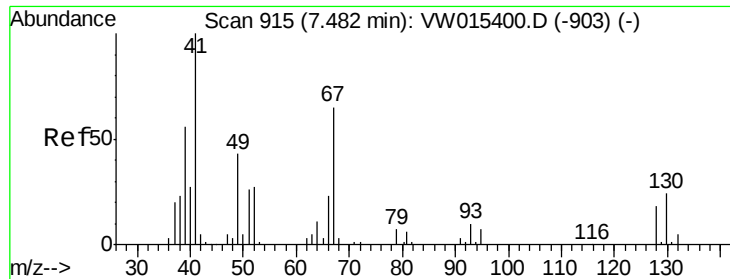
77 24.1 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

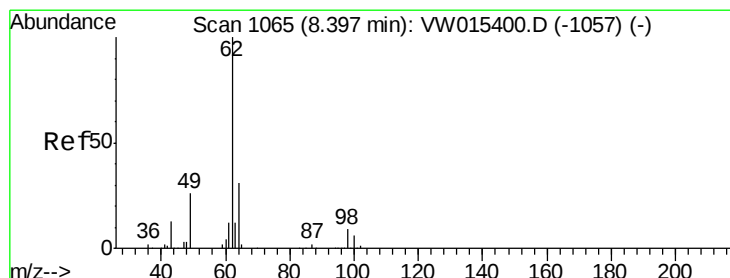
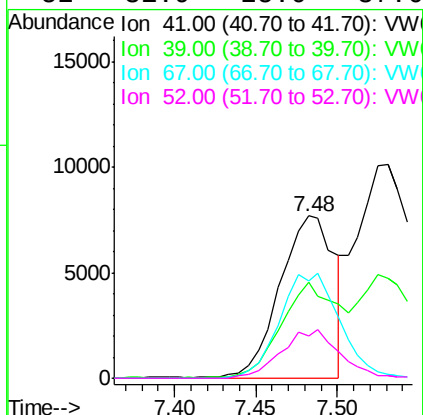
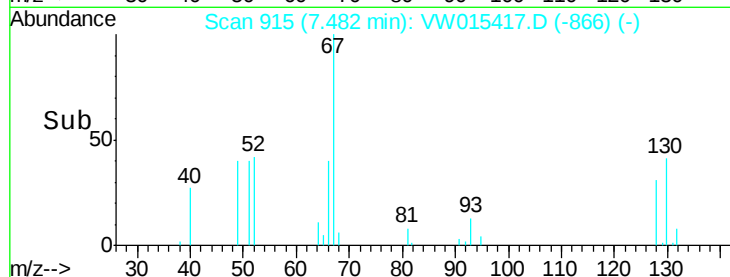
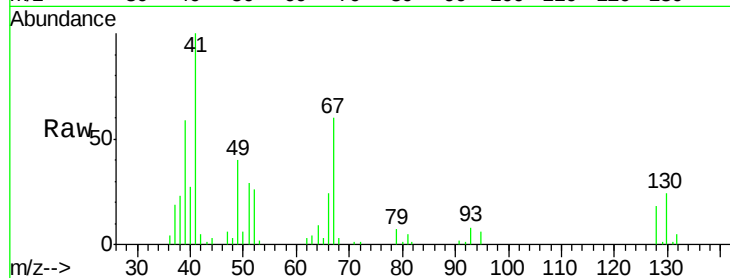




#41
Methacrylonitrile
Concen: 19.889 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

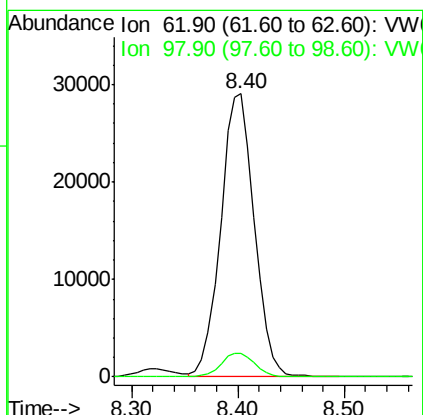
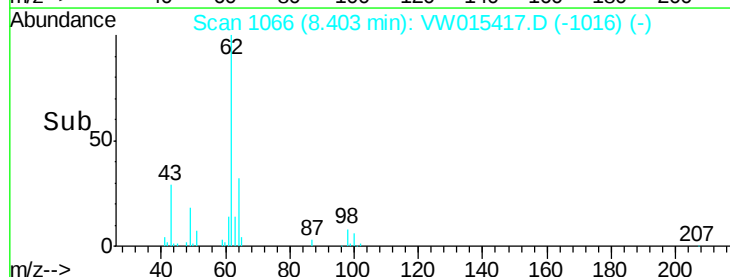
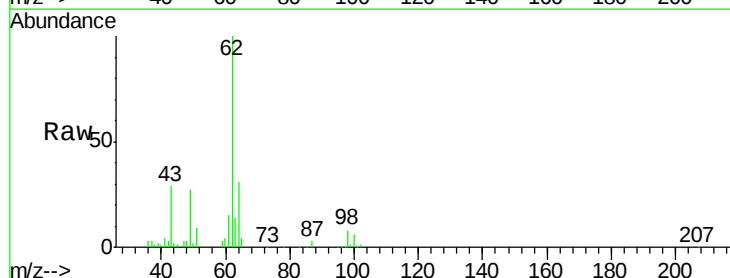
Instrument :
MSVOA_W
ClientSampleId :
VW0507SBSD01

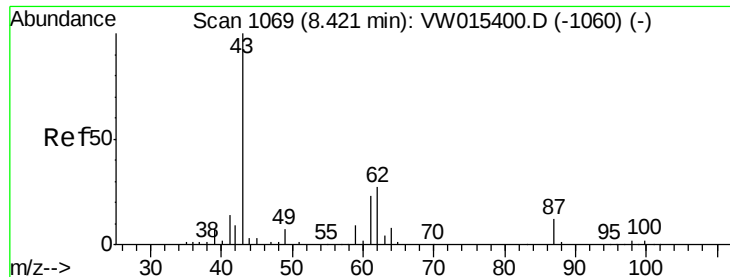
Tot Ion:	41	Resp:	17855
Ion	Ratio	Lower	Upper
41	100		
39	63.6	46.2	69.4
67	72.0	56.2	84.2
52	31.9	25.0	37.6



#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 :

VW0507SBS01

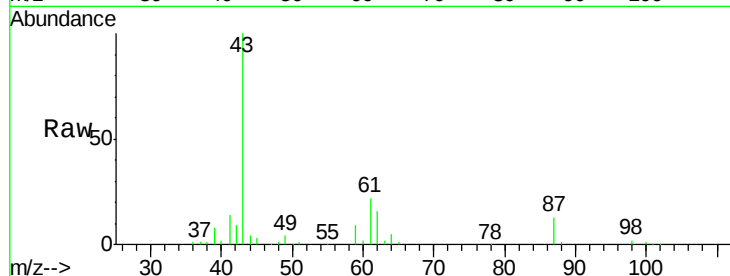
Tot Ion: 43 Resp: 63247

Ion Ratio Lower Upper

43 100

61 30.2 24.3 36.5

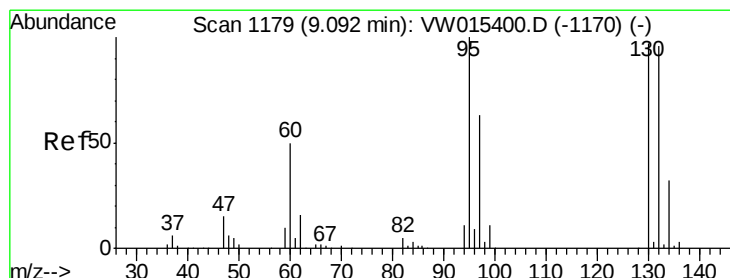
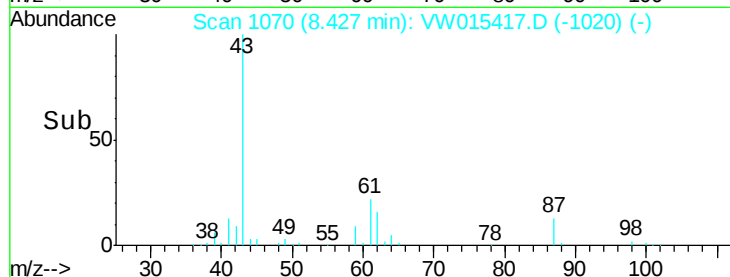
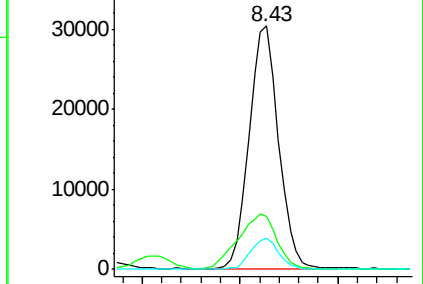
87 12.4 10.1 15.1



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

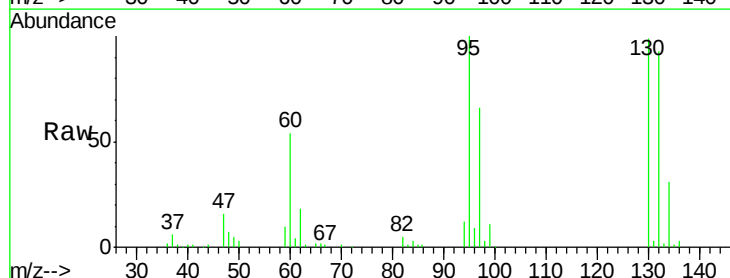
Acq: 07 May 2020 13:50

Tgt Ion: 130 Resp: 53379

Ion Ratio Lower Upper

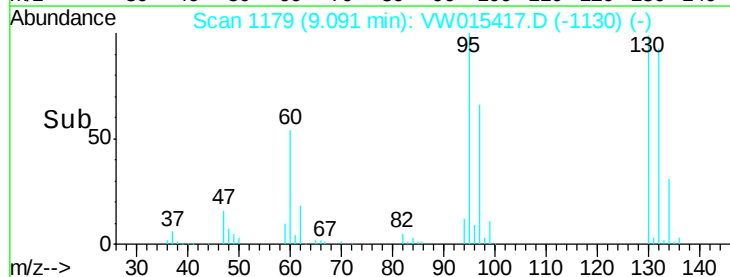
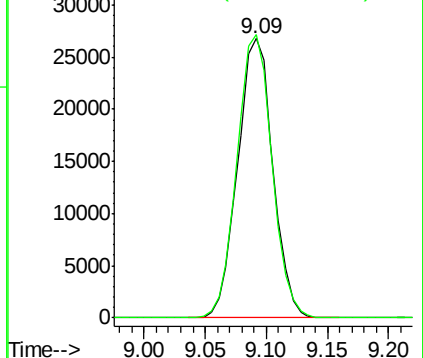
130 100

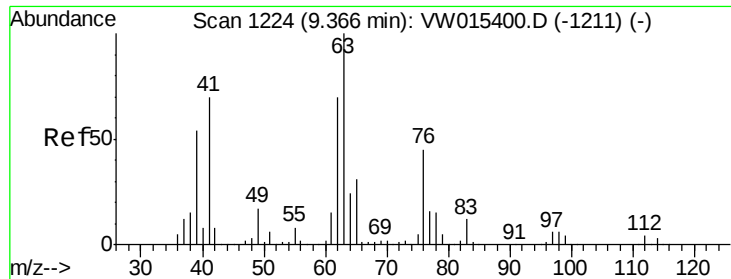
95 101.4 0.0 205.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

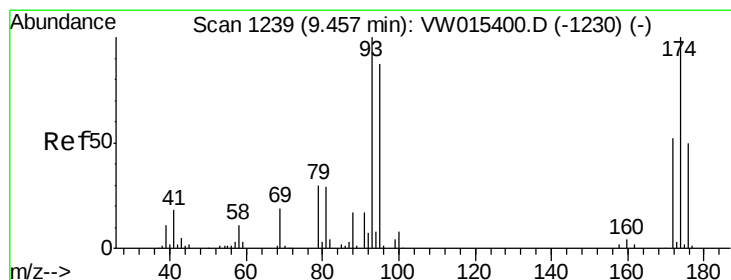
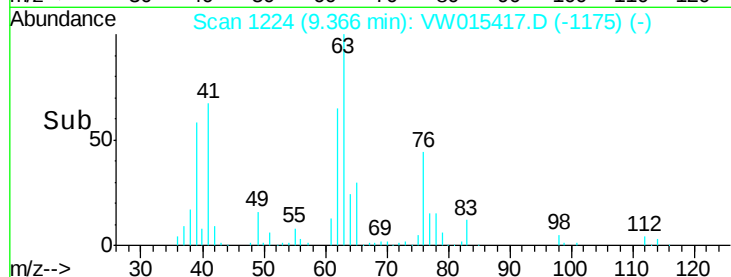
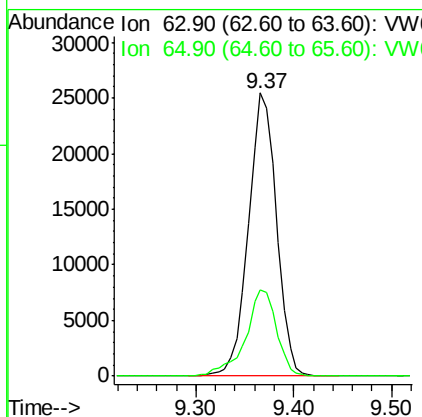
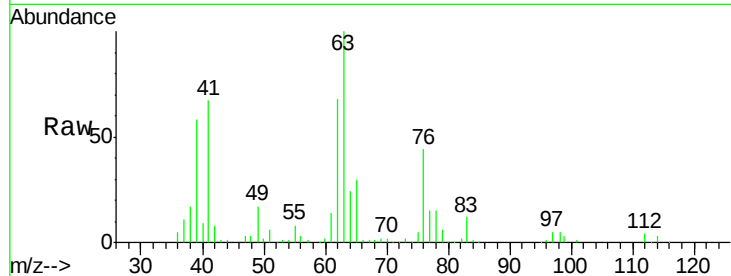




#45
 1,2-Dichloropropane
 Concen: 20.580 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

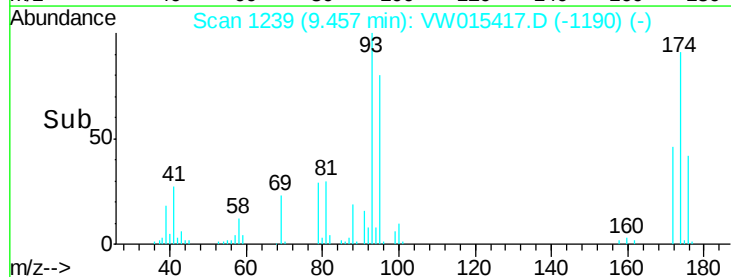
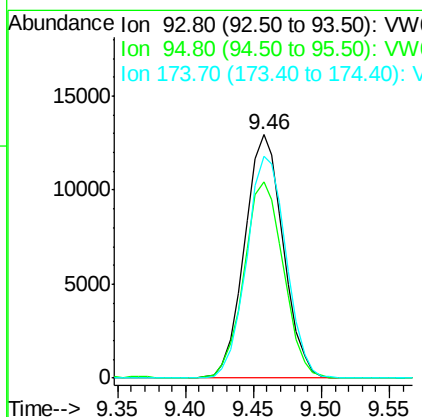
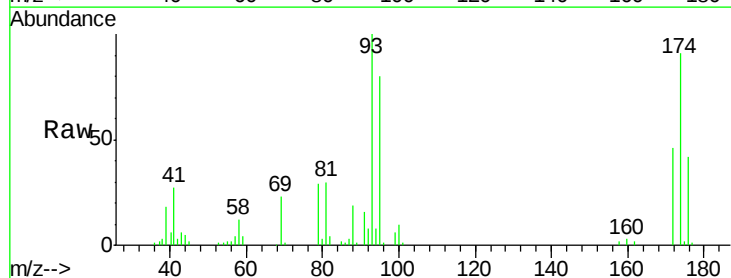
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0507SBSD01

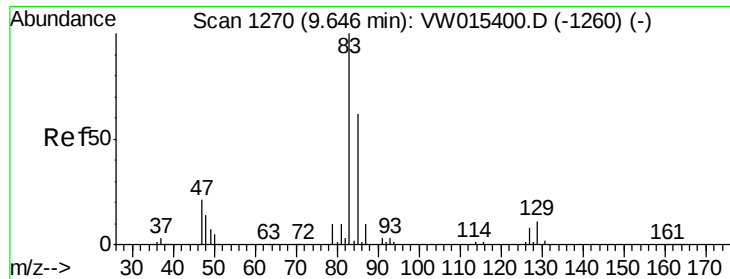
Tot Ion: 63 Resp: 50773
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6



#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 :

VW0507SBSD01

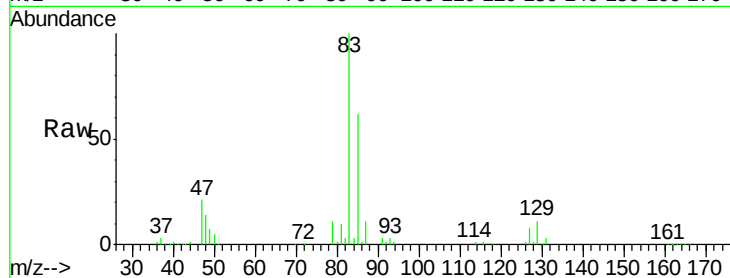
Tot Ion: 83 Resp: 69454

Ion Ratio Lower Upper

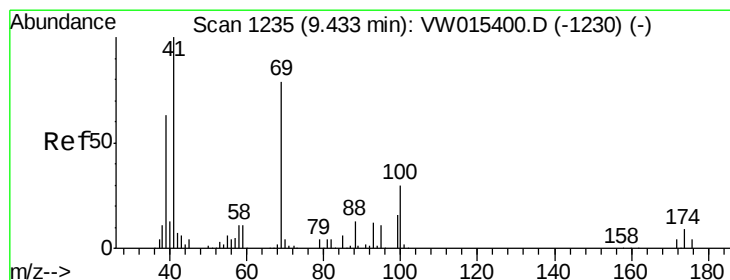
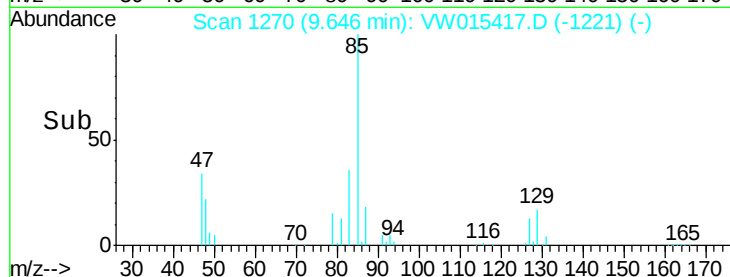
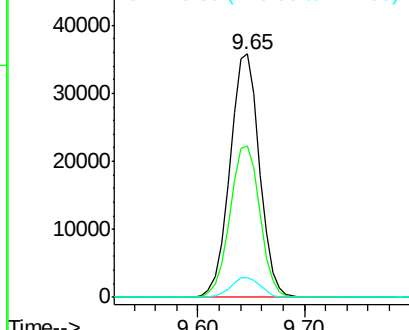
83 100

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

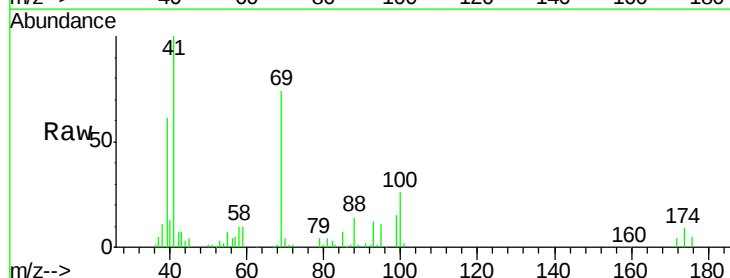
Tgt Ion: 41 Resp: 32223

Ion Ratio Lower Upper

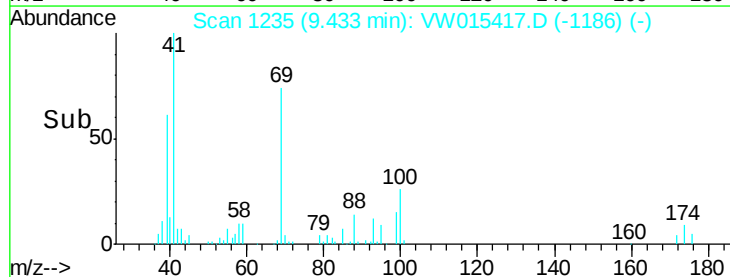
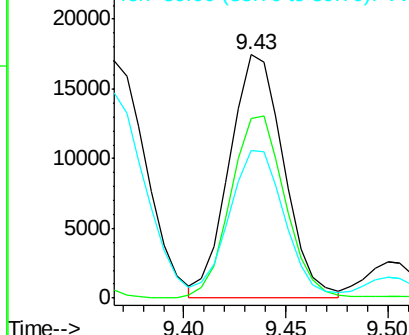
41 100

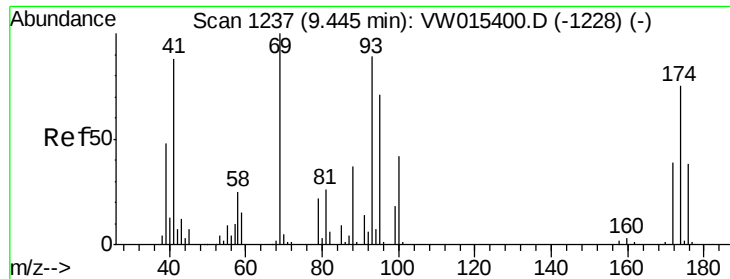
69 76.1 66.2 99.4

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 :

VW0507SBSD01

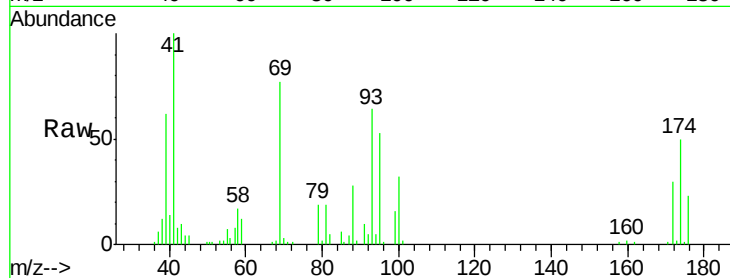
Tot Ion: 88 Resp: 7178

Ion Ratio Lower Upper

88 100

43 40.7 30.6 45.8

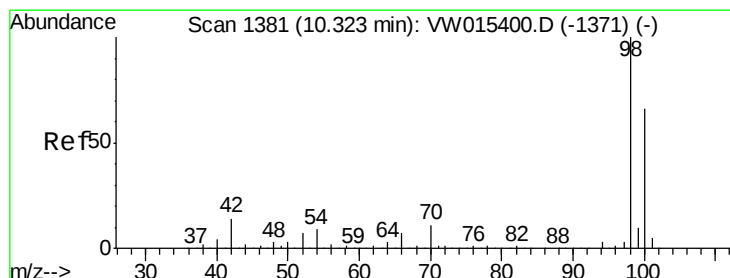
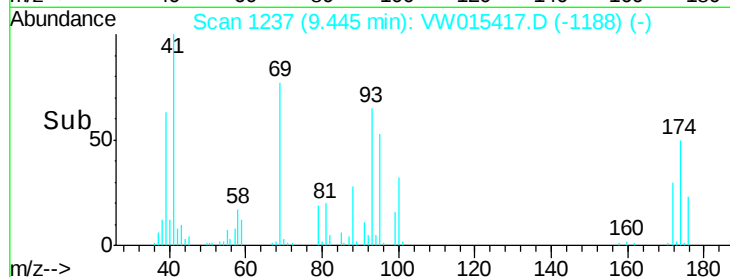
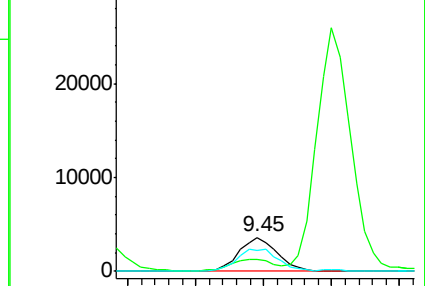
58 71.9 56.3 84.5



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

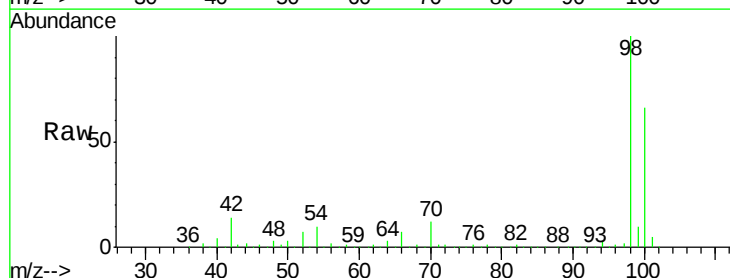
Acq: 07 May 2020 13:50

Tgt Ion: 98 Resp: 475190

Ion Ratio Lower Upper

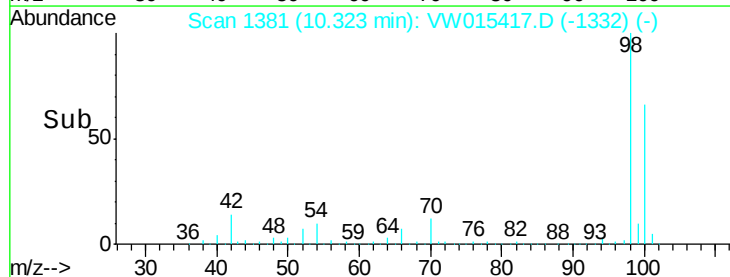
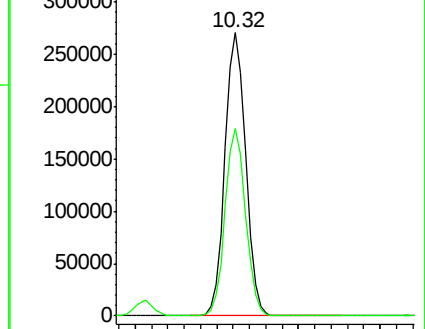
98 100

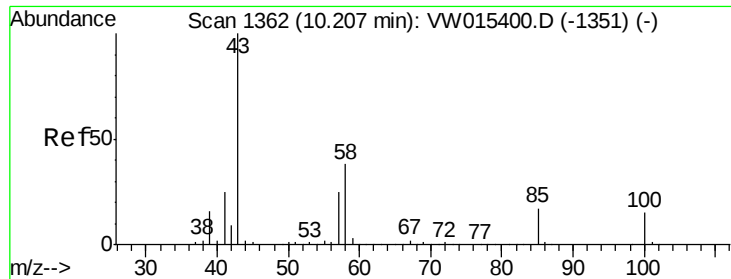
100 65.3 52.7 79.1



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

ClientSampleId :

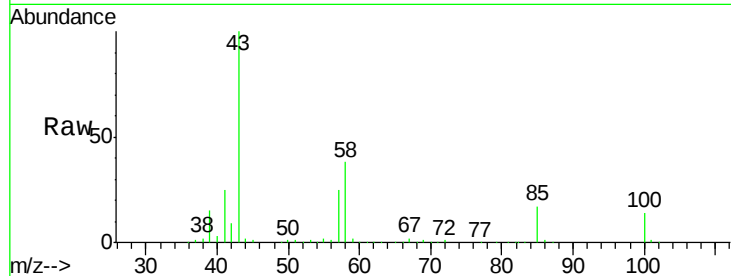
VW0507SBSD01

Tot Ion: 43 Resp: 157135

Ion Ratio Lower Upper

43 100

58 38.8 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

80000

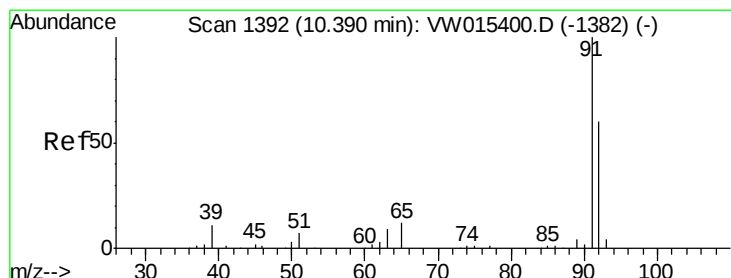
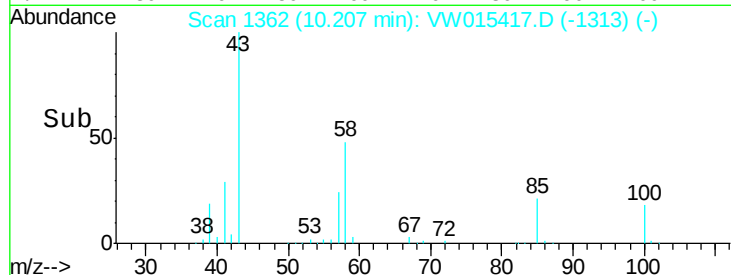
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 20.675 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015417.D

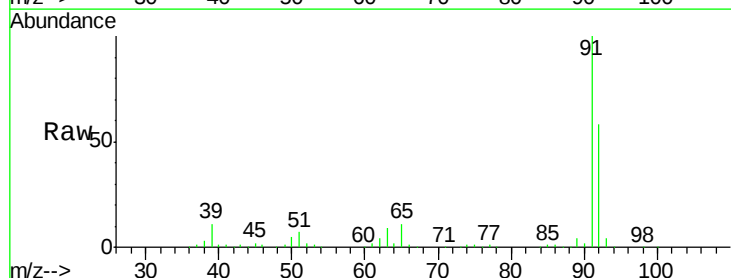
Acq: 07 May 2020 13:50

Tgt Ion: 92 Resp: 134180

Ion Ratio Lower Upper

92 100

91 169.5 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

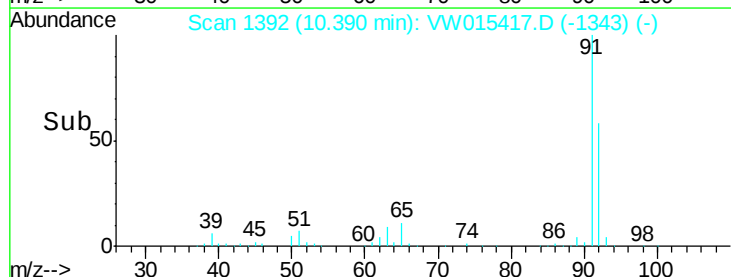
150000

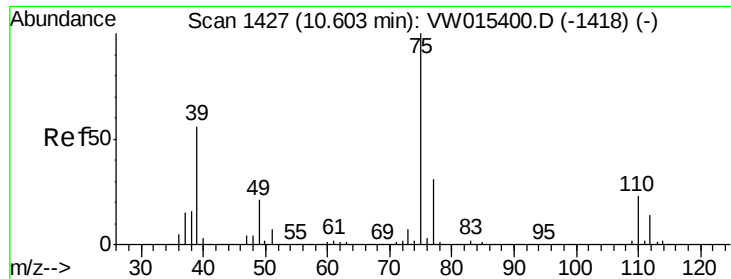
100000

50000

0

Time-->

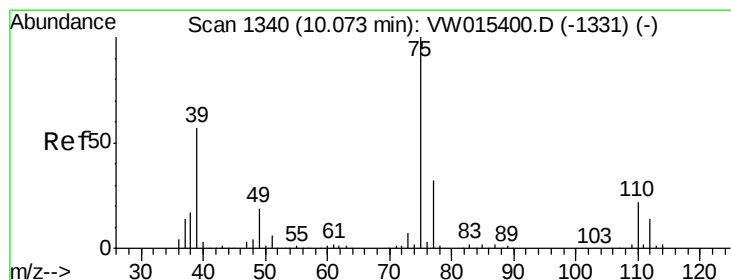
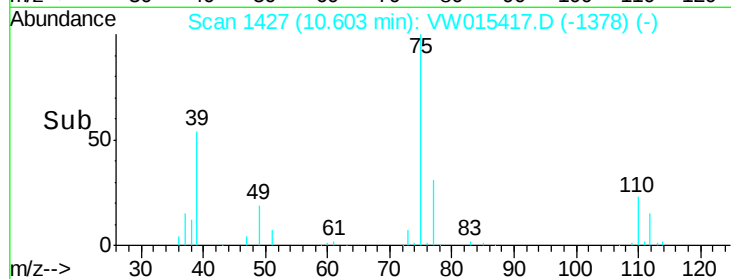
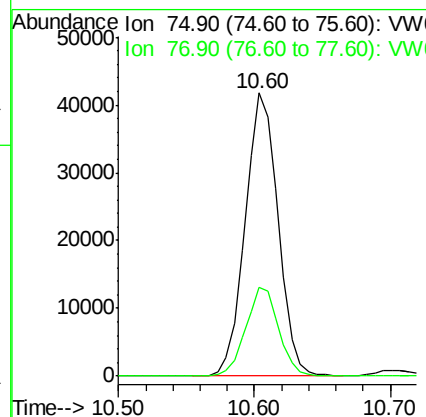
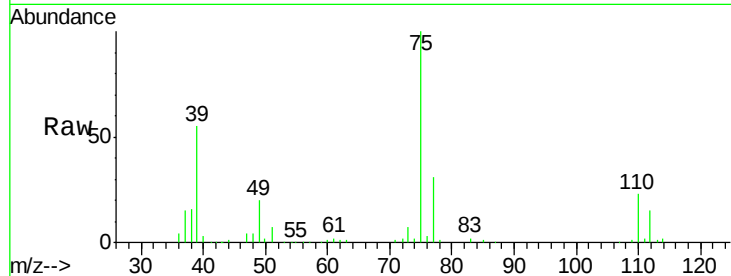




#53
 t-1,3-Dichloropropene
 Concen: 20.665 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

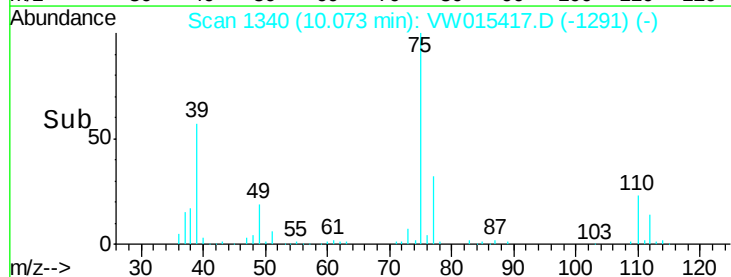
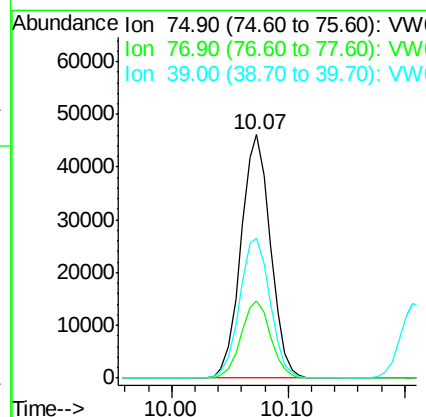
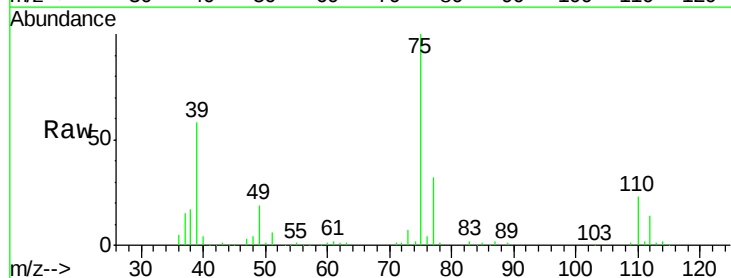
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0507SBSD01

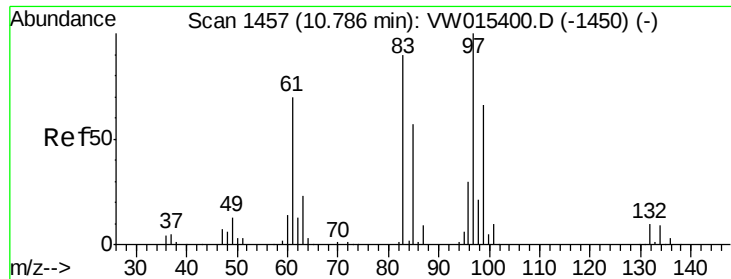
Tot Ion: 75 Resp: 70538
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.9 37.3



#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

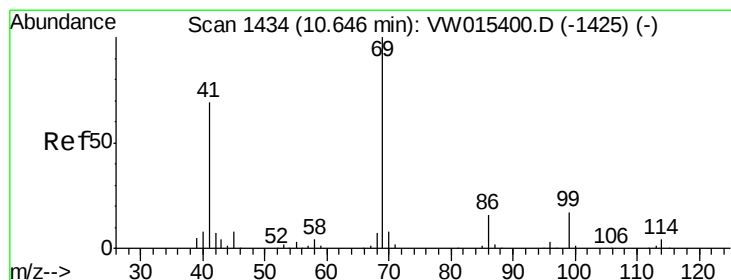
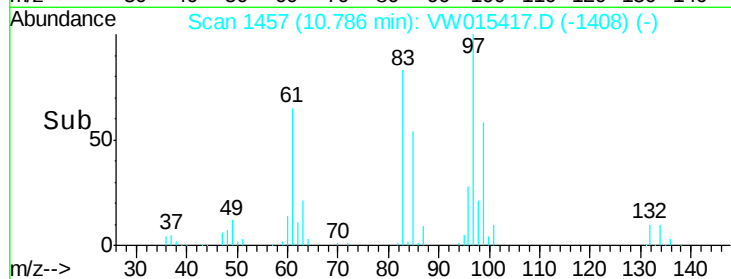
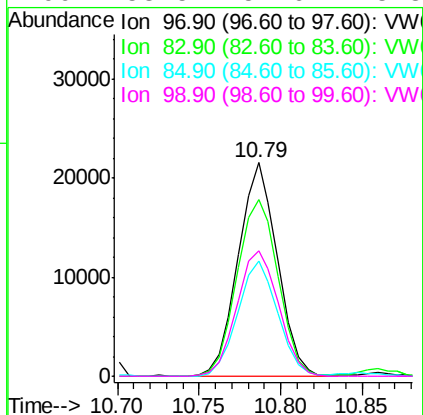
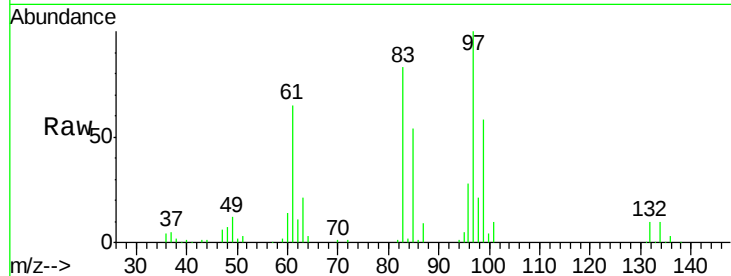




#55
 1,1,2-Trichloroethane
 Concen: 20.734 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

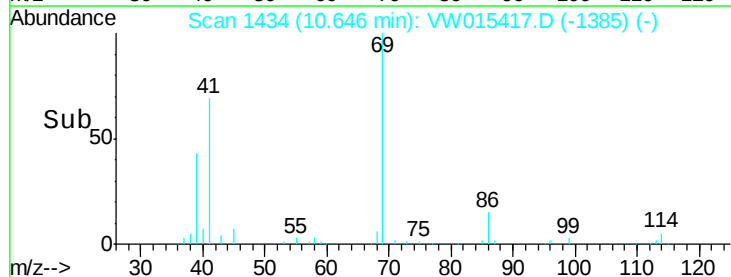
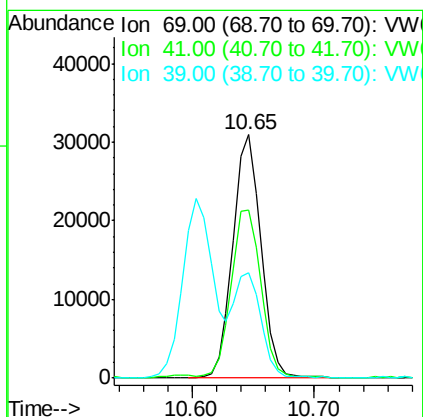
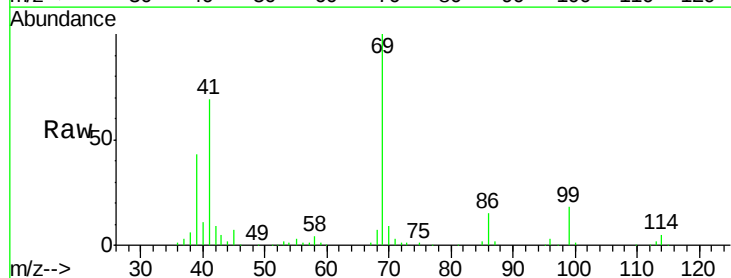
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0507SBSD01

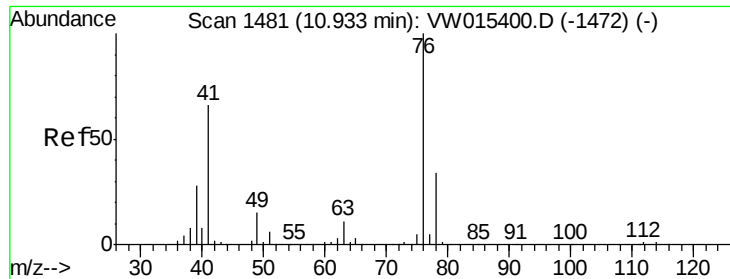
Tot Ion:	97	Resp:	35978
Ion	Ratio	Lower	Upper
97	100		
83	82.6	72.2	108.4
85	54.0	45.2	67.8
99	58.5	52.6	78.8



#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

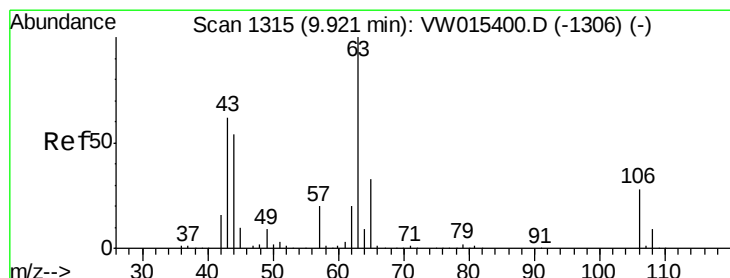
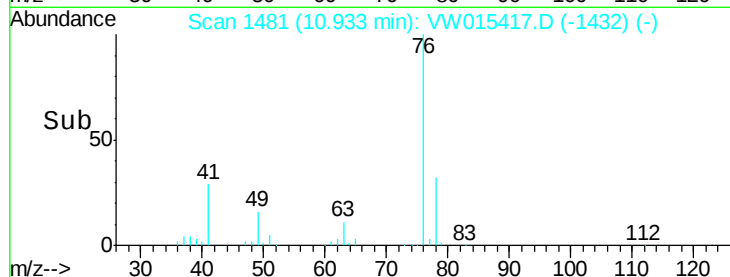
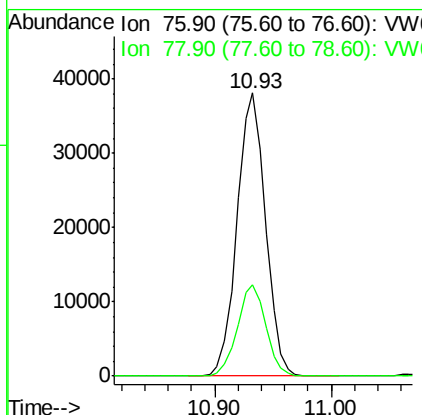
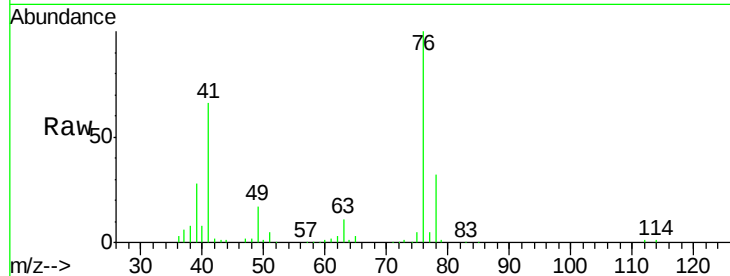




#57
 1,3-Dichloropropane
 Concen: 20.803 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

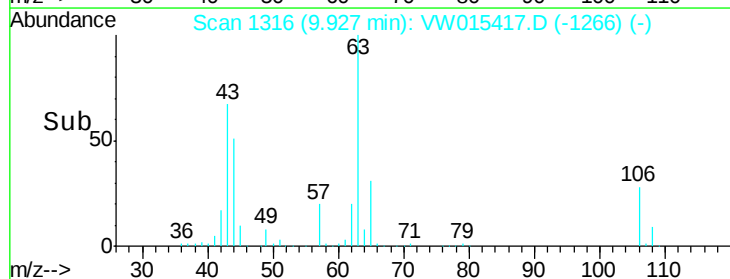
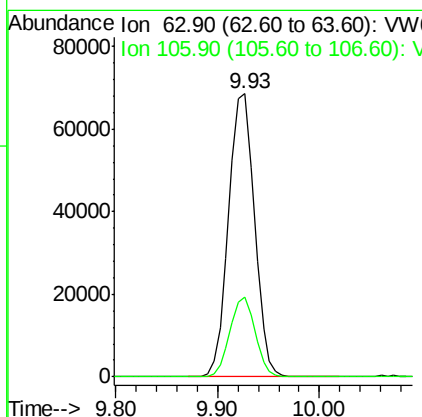
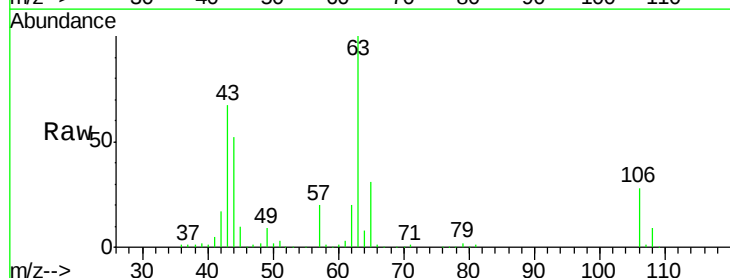
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0507SBSD01

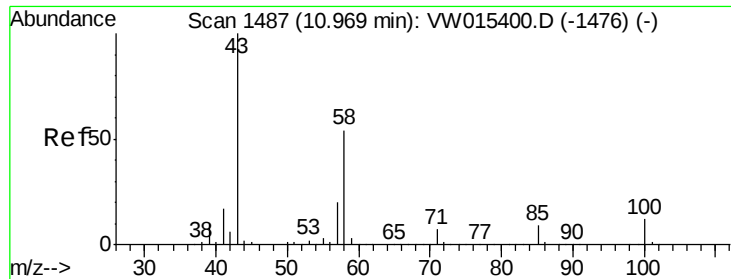
Tot Ion: 76 Resp: 64900
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.3 39.5



#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

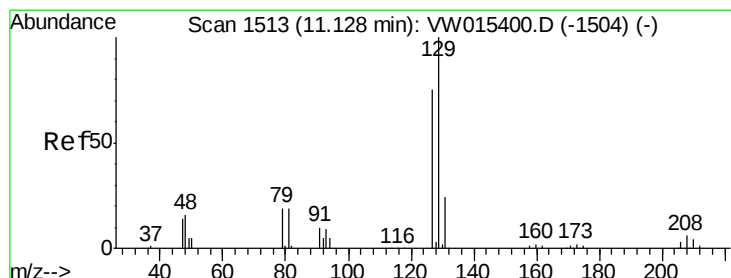
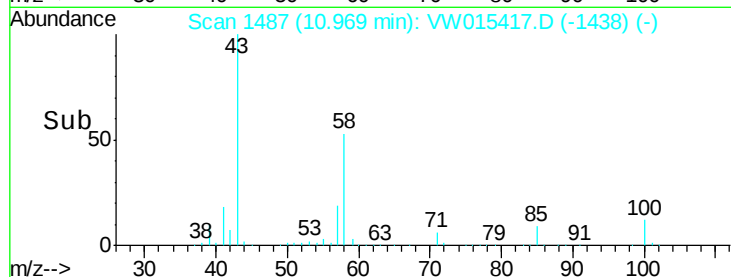
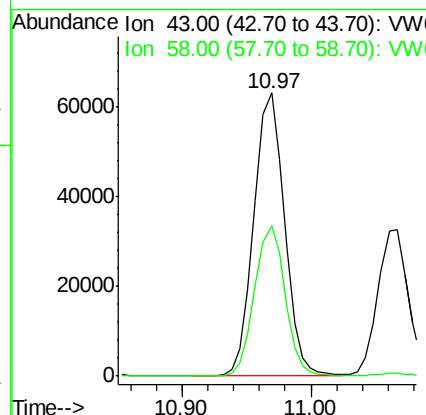
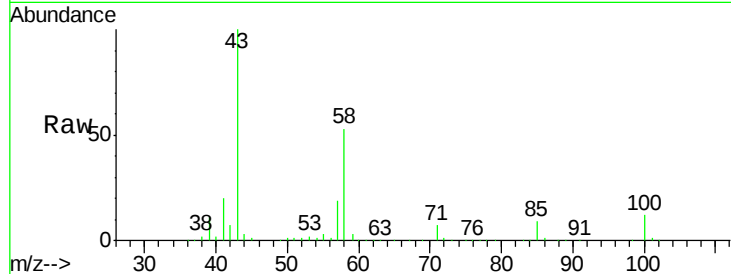




#59
2-Hexanone
Concen: 109.935 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

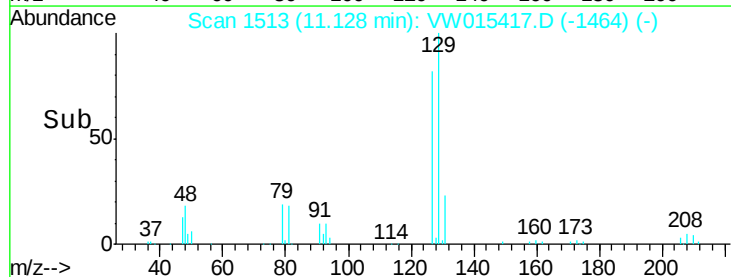
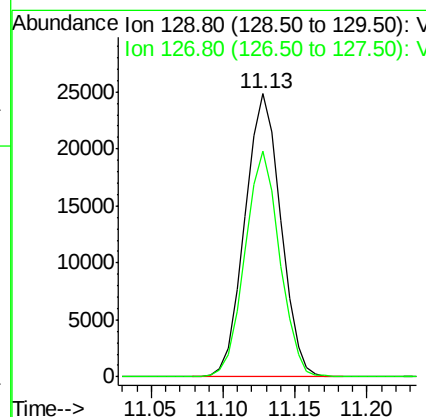
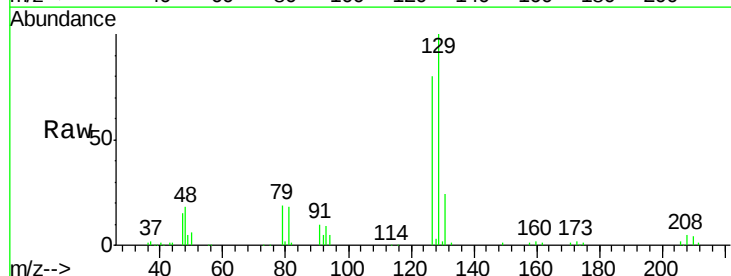
Instrument :
MSVOA_W
ClientSampleId :
VW0507SBSD01

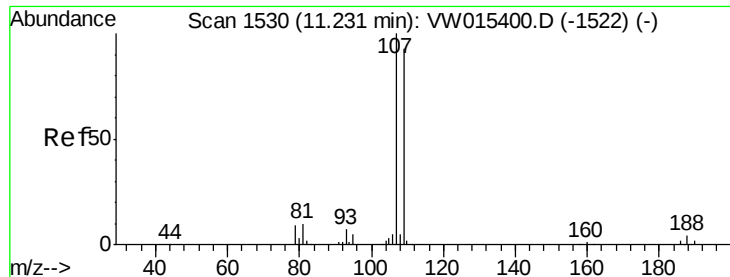
Tot Ion: 43 Resp: 104170
Ion Ratio Lower Upper
43 100
58 52.8 26.7 80.0



#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 :

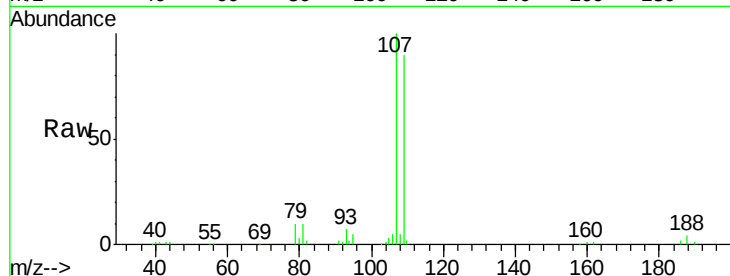
VW0507SBSD01

Tot Ion:107 Resp: 34336

Ion Ratio Lower Upper

107 100

109 93.4 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

20000

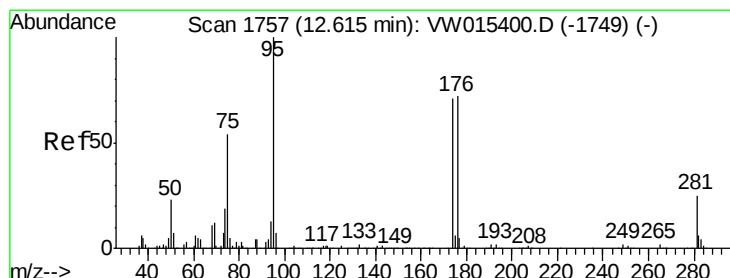
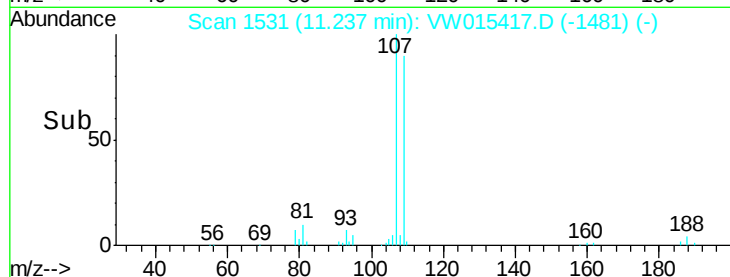
15000

10000

5000

0

Time-->



#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

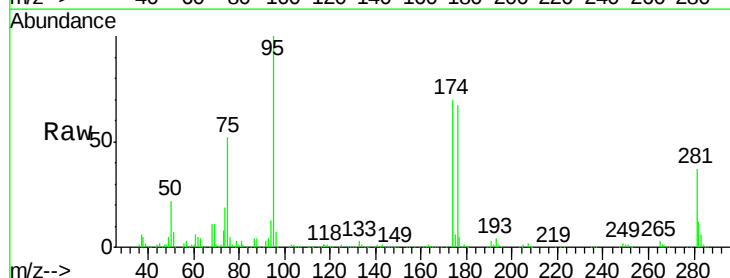
Tgt Ion: 95 Resp: 174716

Ion Ratio Lower Upper

95 100

174 73.6 0.0 147.6

176 70.9 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

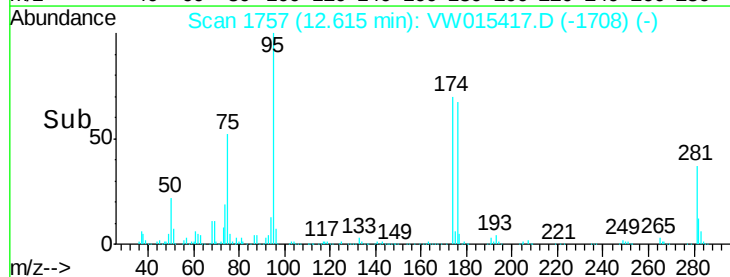
150000

100000

50000

0

Time-->

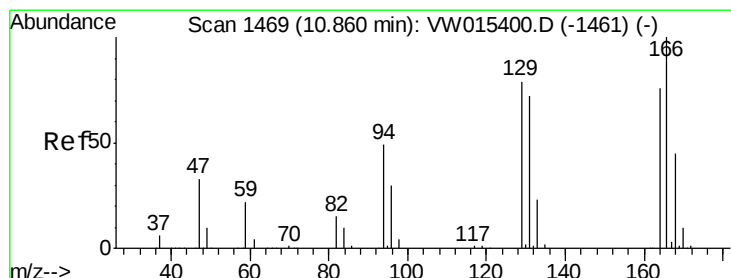
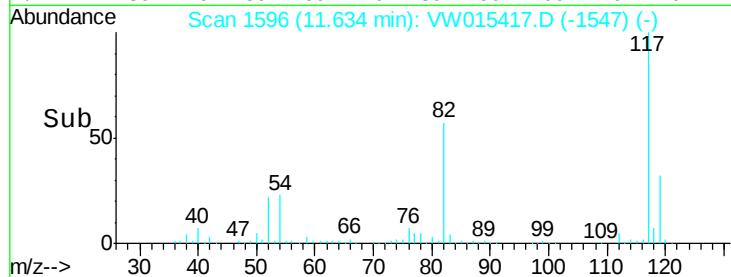
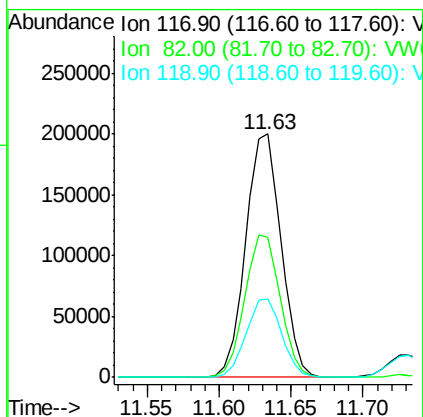
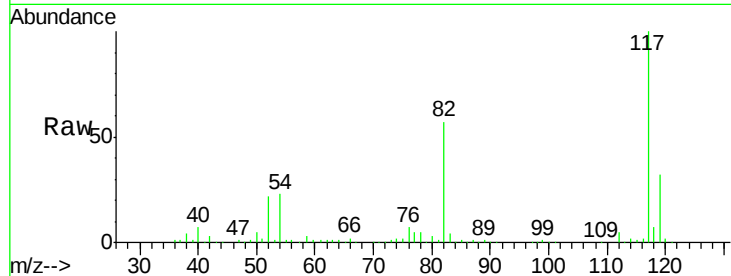




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

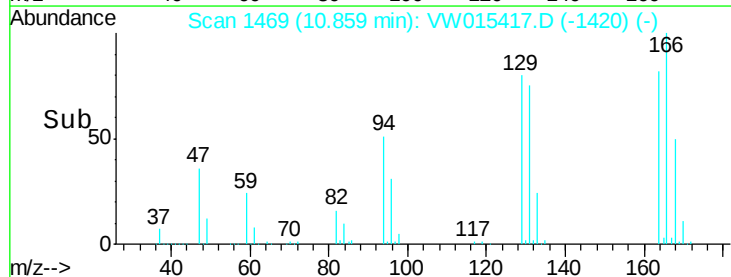
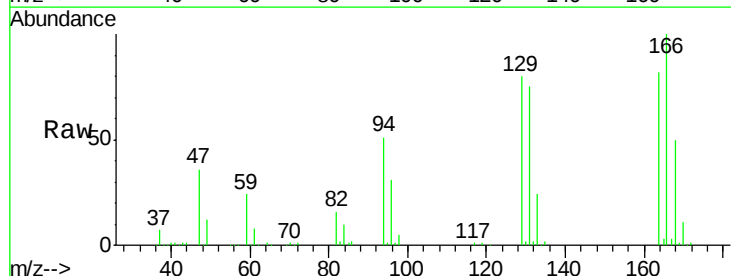
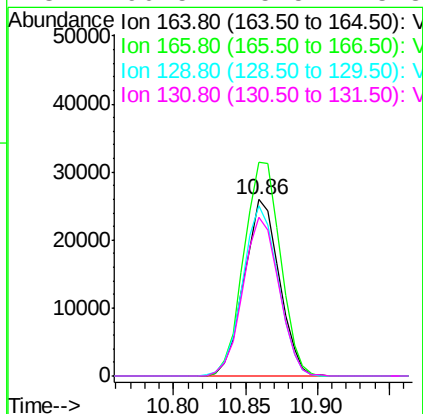
Instrument :
MSVOA_W
ClientSampleId :
VW0507SBSD01

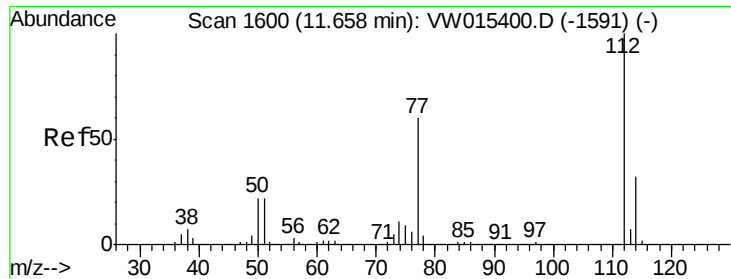
Tot Ion:117 Resp: 338431
Ion Ratio Lower Upper
117 100
82 57.4 46.4 69.6
119 32.3 24.6 37.0



#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

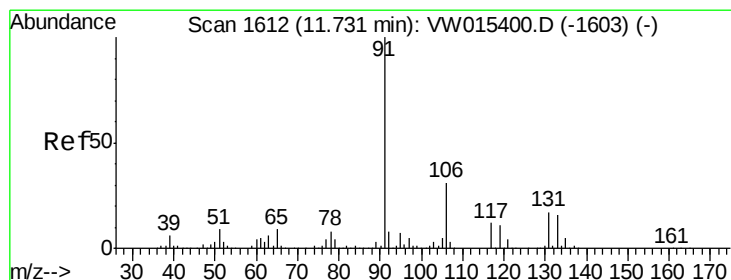
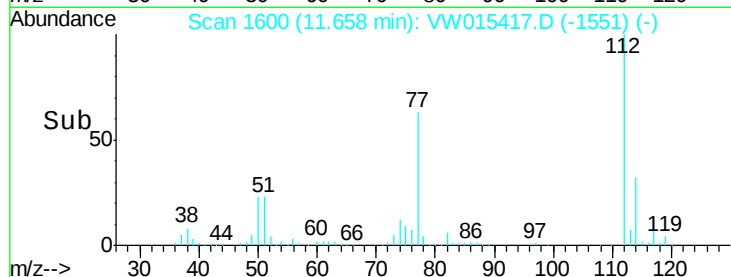
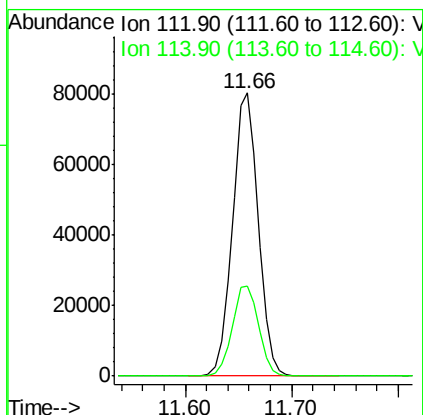
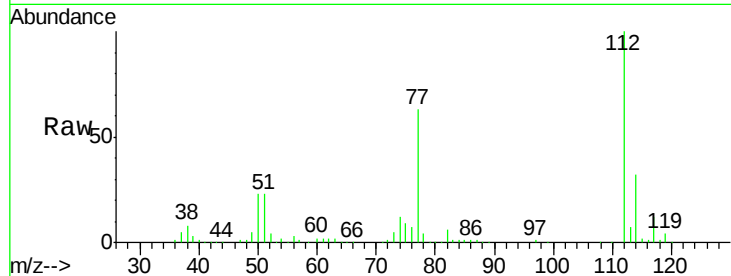




#65
Chlorobenzene
Concen: 20.370 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

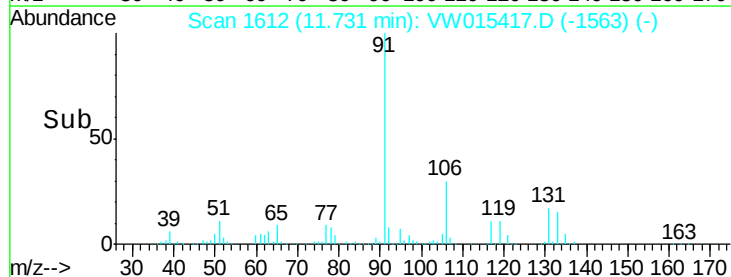
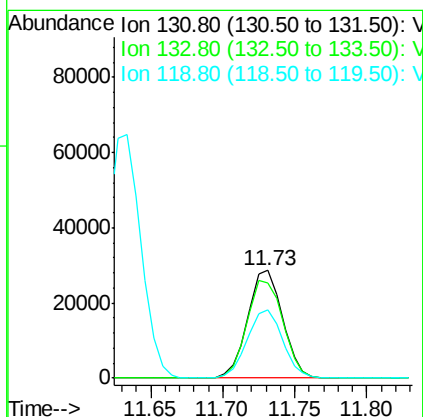
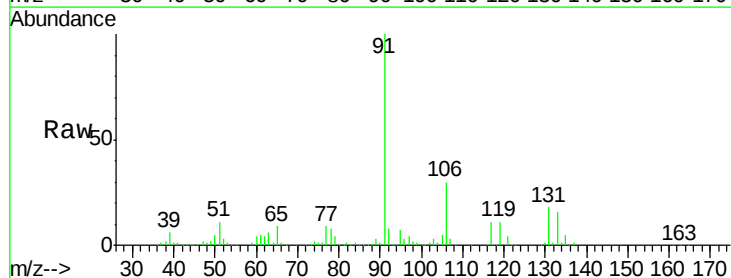
Instrument :
MSVOA_W
ClientSampleId :
VW0507SBSD01

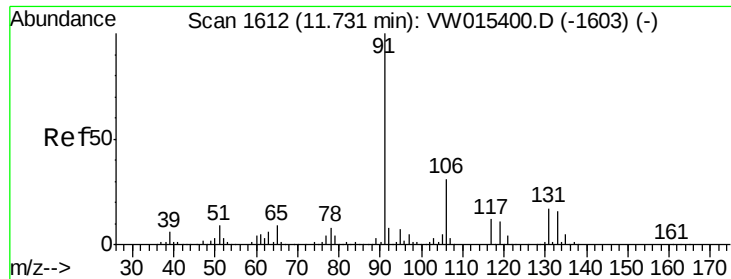
Tot Ion:112 Resp: 135923
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4



#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

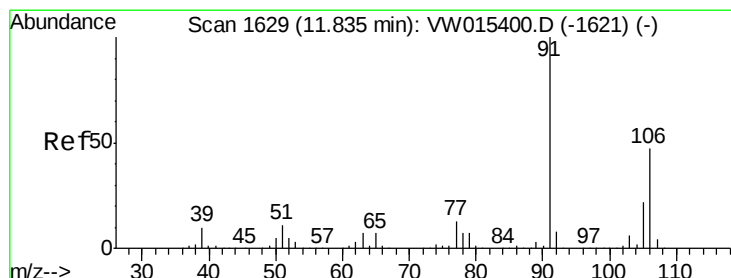
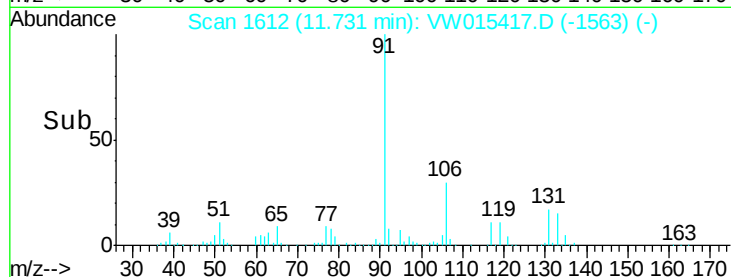
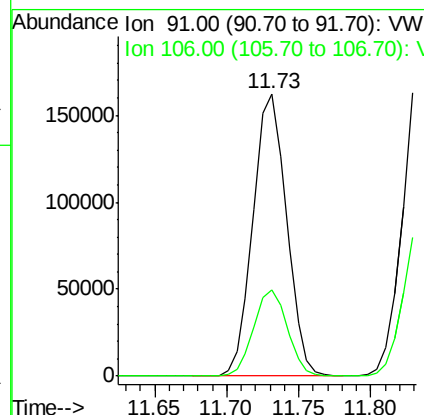
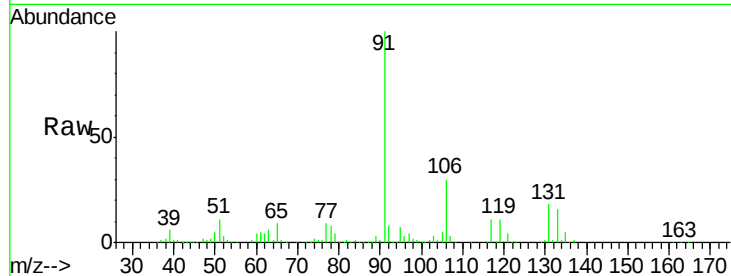




#67
Ethyl Benzene
Concen: 20.466 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

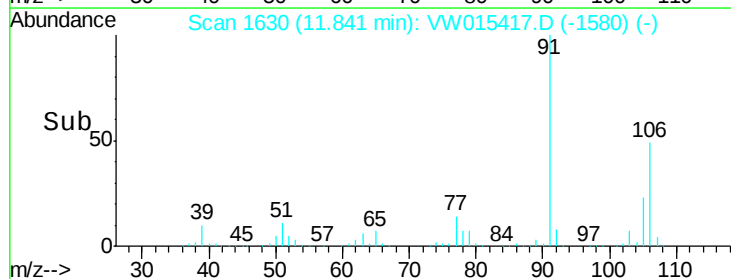
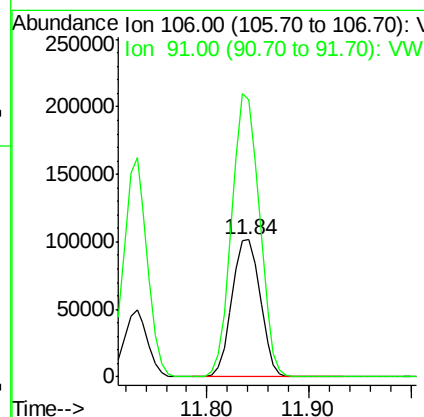
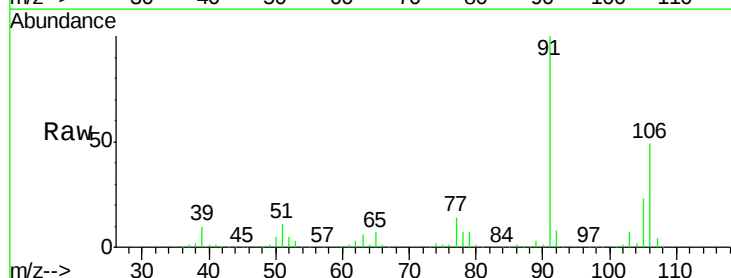
Instrument :
MSVOA_W
ClientSampled :
VW0507SBS01

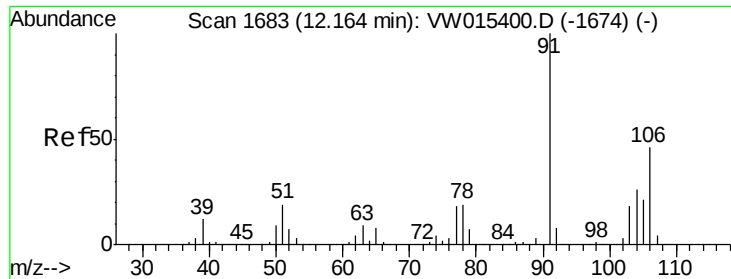
Tot Ion: 91 Resp: 261394
Ion Ratio Lower Upper
91 100
106 30.5 25.2 37.8



#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

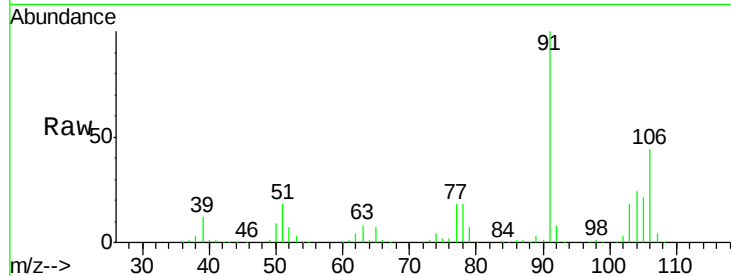




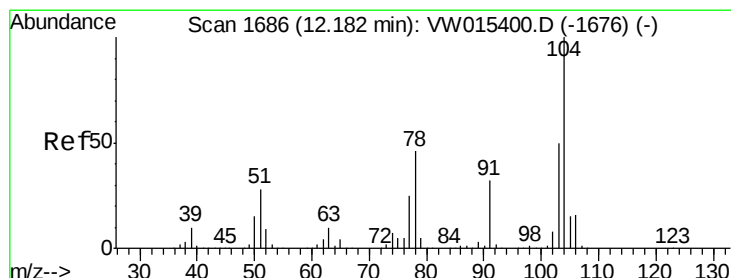
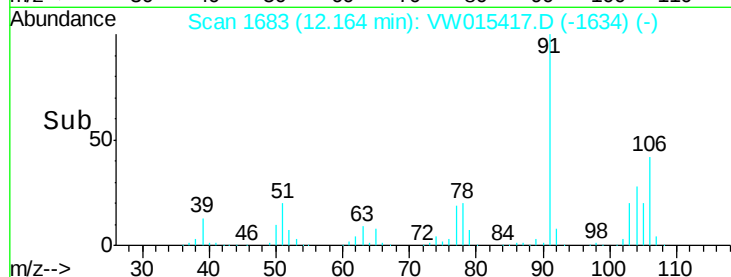
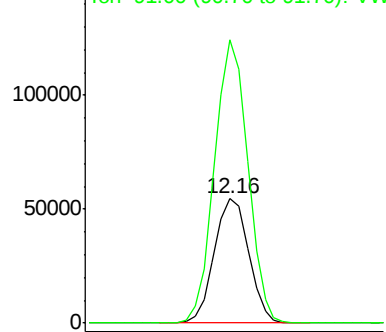
#69
o-Xylene
Concen: 20.300 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

Instrument :
MSVOA_W
ClientSampleId :
VW0507SBSD01

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

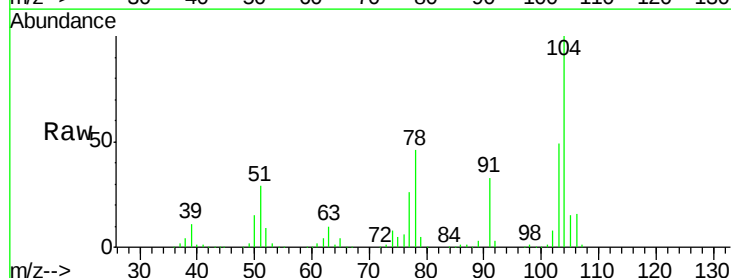


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV

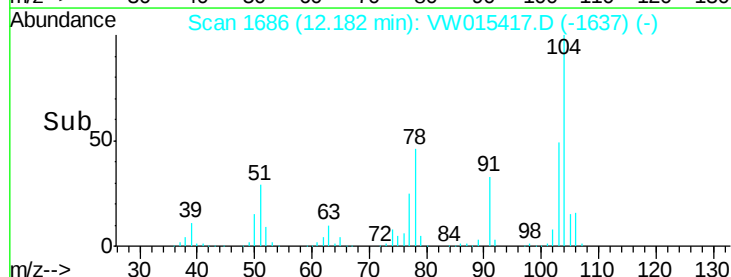
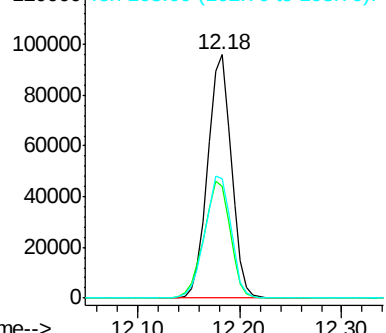


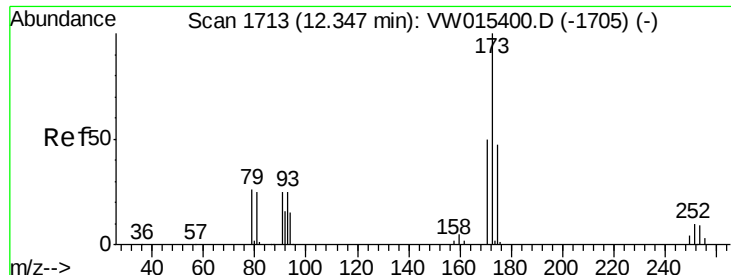
#70
Styrene
Concen: 19.962 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

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): VV
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 :

VW0507SBSD01

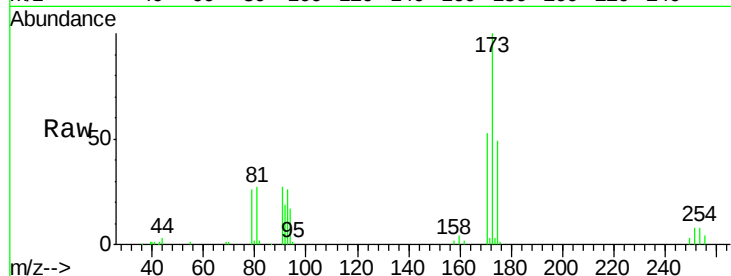
Tot Ion:173 Resp: 23520

Ion Ratio Lower Upper

173 100

175 49.0 23.8 71.4

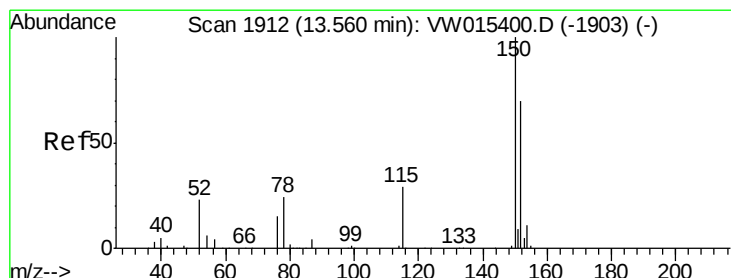
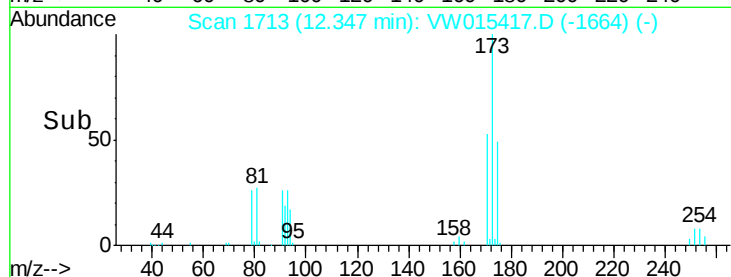
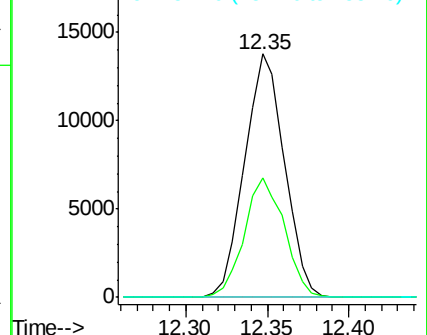
254 0.0 0.0 0.0



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

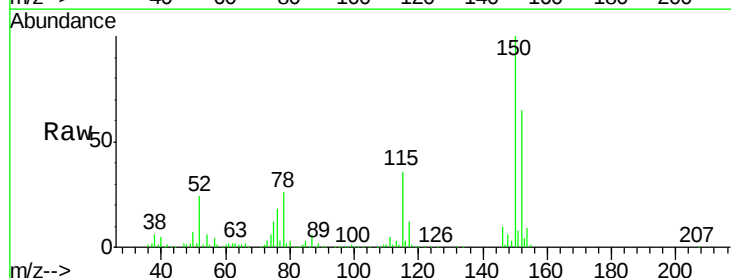
Tgt Ion:152 Resp: 169092

Ion Ratio Lower Upper

152 100

115 60.3 30.3 90.8

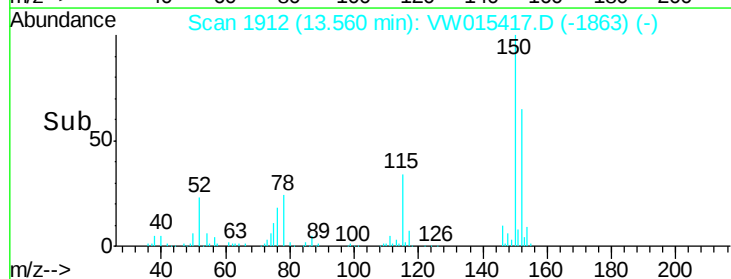
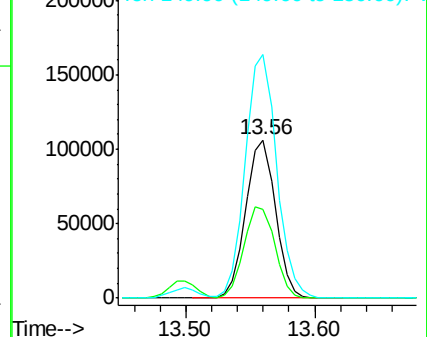
150 162.6 0.0 344.4

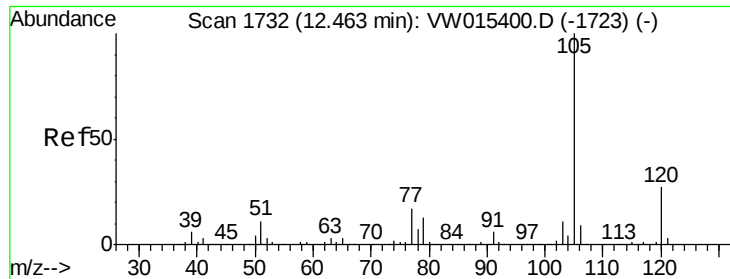


Abundance Ion 151.90 (151.60 to 152.60): V

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 :

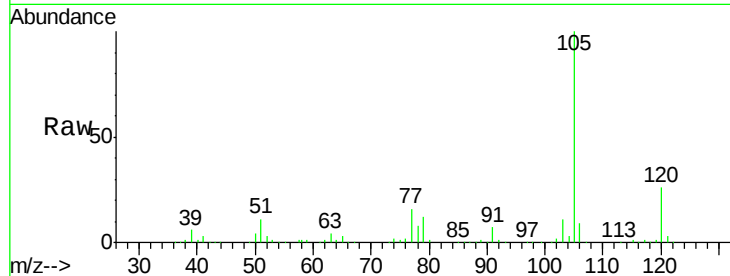
VW0507SBSD01

Tot Ion:105 Resp: 253626

Ion Ratio Lower Upper

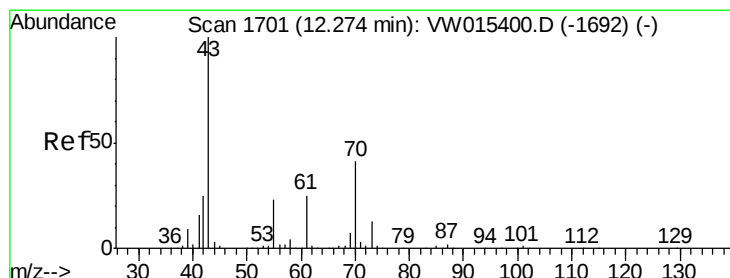
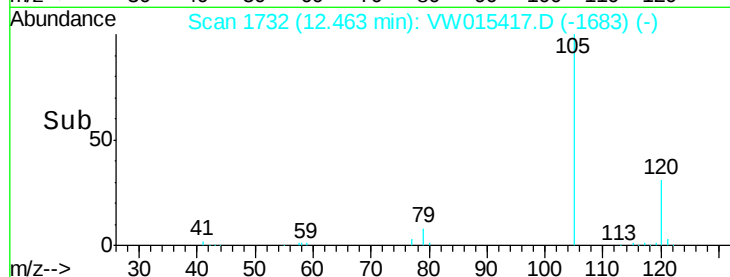
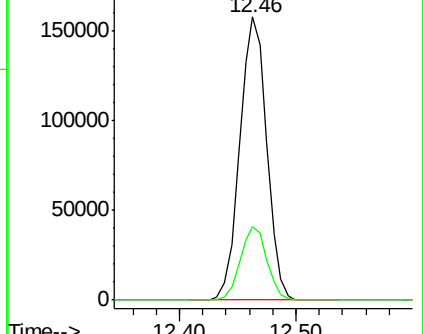
105 100

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

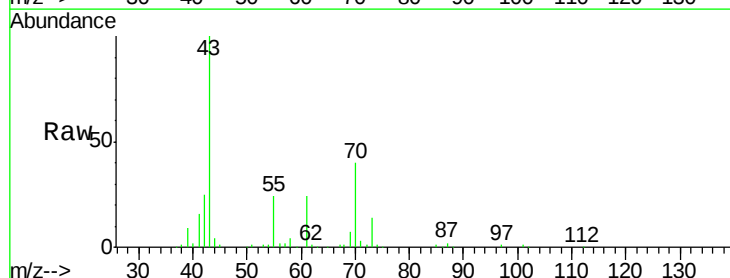
Ion Ratio Lower Upper

43 100

70 40.5 33.4 50.0

55 23.3 18.9 28.3

61 23.2 19.4 29.0

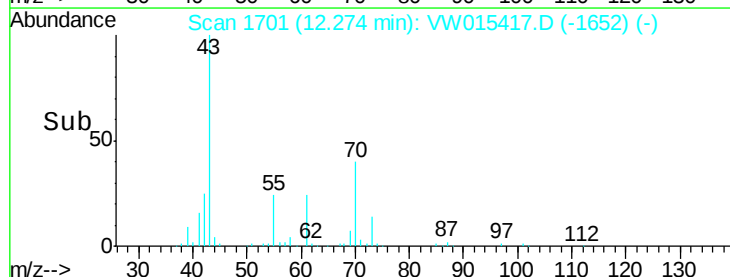
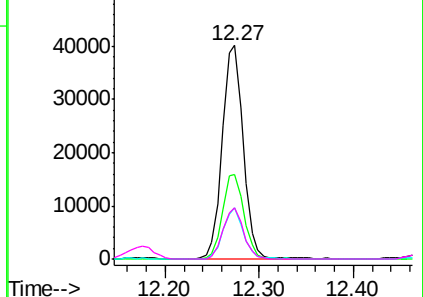


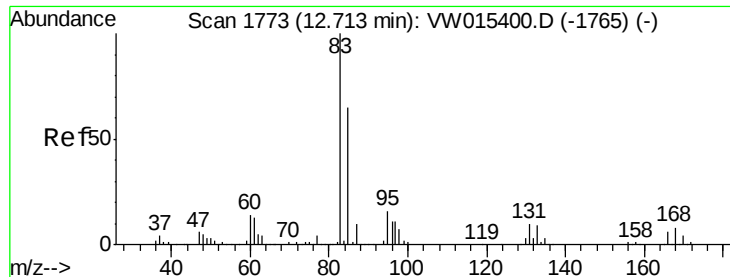
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 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 :

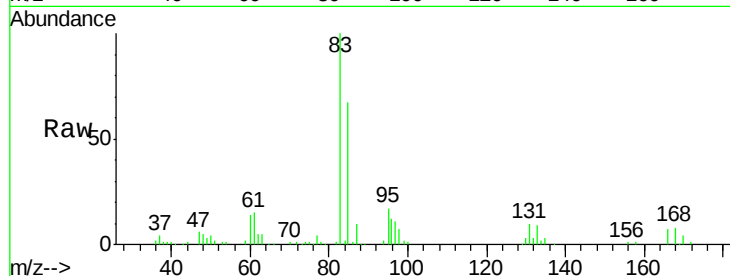
MSVOA_W

ClientSampleId :

VW0507SBSD01

Tot Ion: 83 Resp: 41607

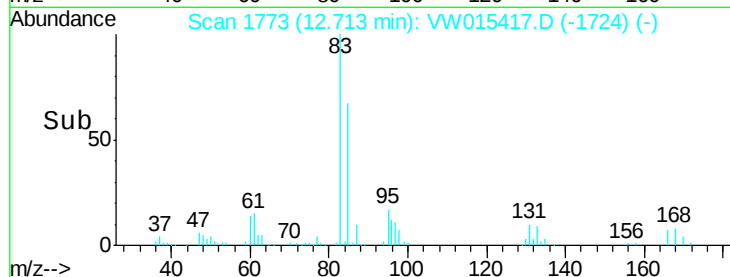
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.1	15.2
85	64.0	32.2	96.6



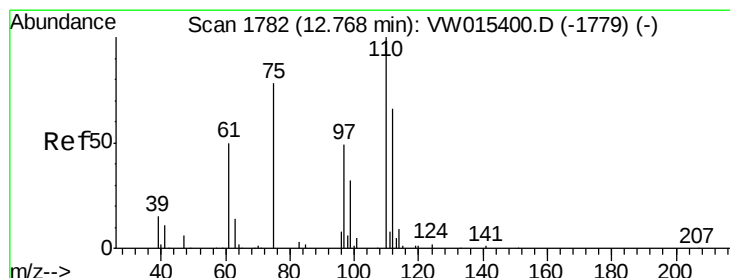
Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



Time-->



#76

1,2,3-Trichloropropane

Concen: 19.841 ug/l m

RT: 12.77 min Scan# 1782

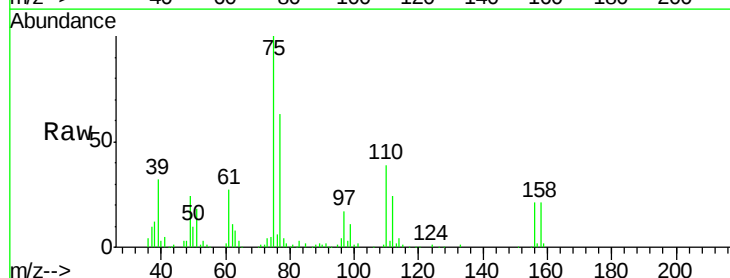
Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

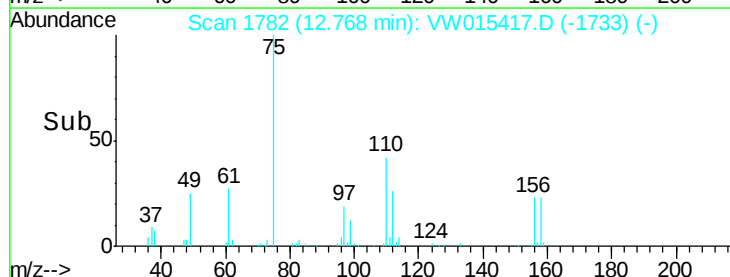
Tgt Ion: 75 Resp: 27600

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

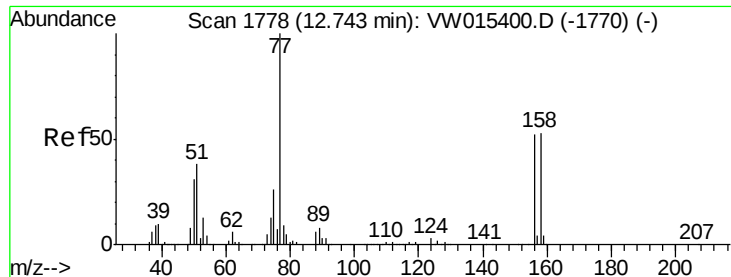


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->



#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

ClientSampleId :

VW0507SBSD01

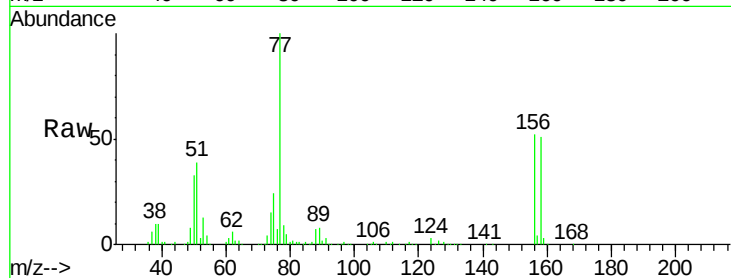
Tot Ion:156 Resp: 53582

Ion Ratio Lower Upper

156 100

77 205.5 101.8 305.6

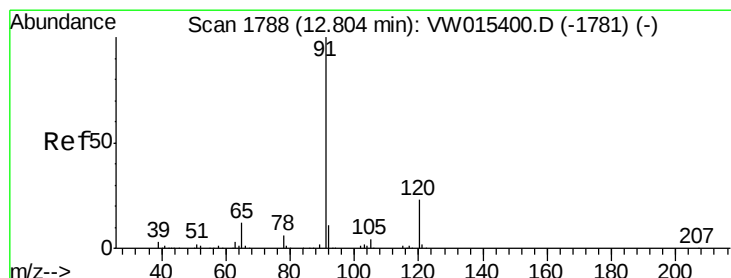
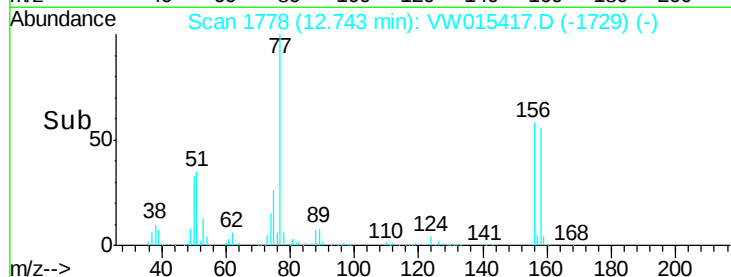
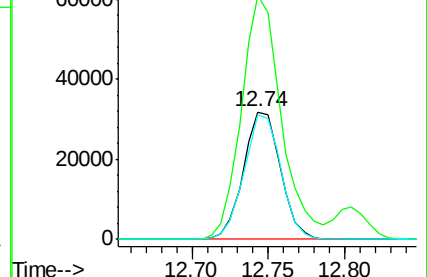
158 96.9 48.3 144.8



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

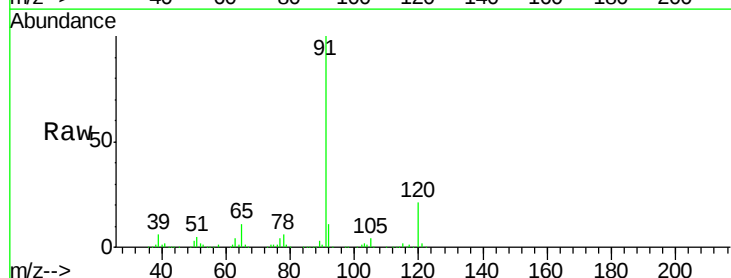
Acq: 07 May 2020 13:50

Tgt Ion: 91 Resp: 307378

Ion Ratio Lower Upper

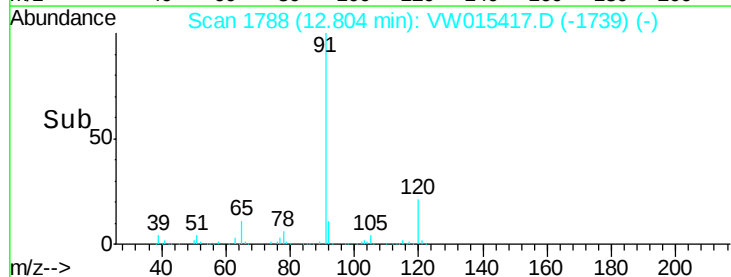
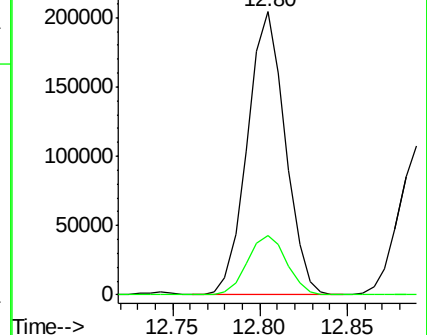
91 100

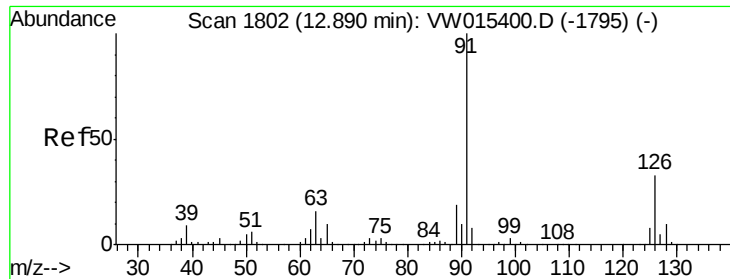
120 22.0 11.2 33.6



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 :

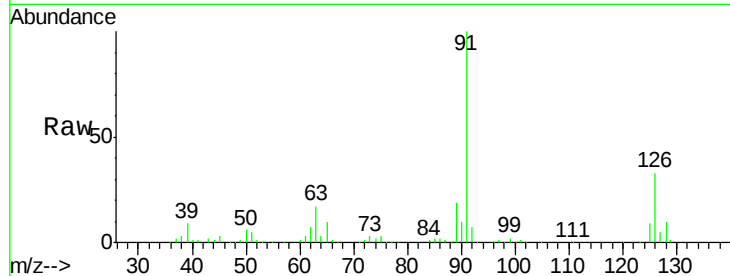
VW0507SBSD01

Tot Ion: 91 Resp: 173353

Ion Ratio Lower Upper

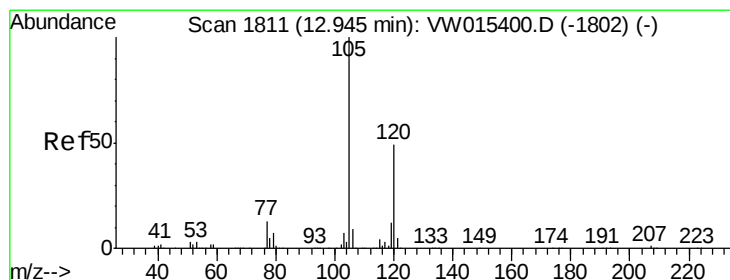
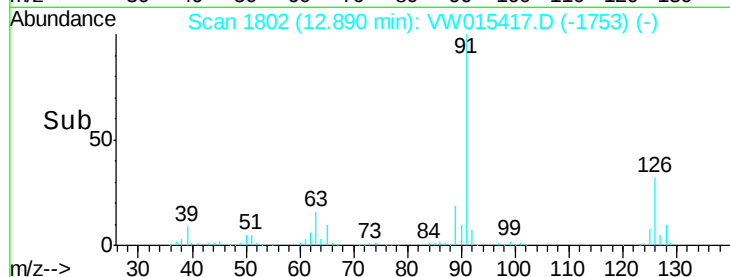
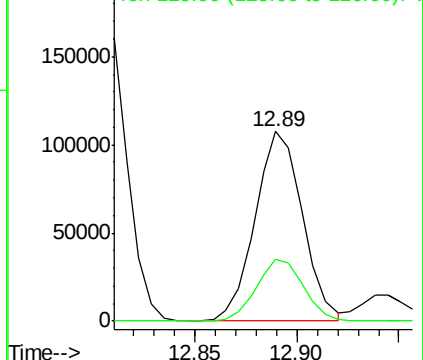
91 100

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

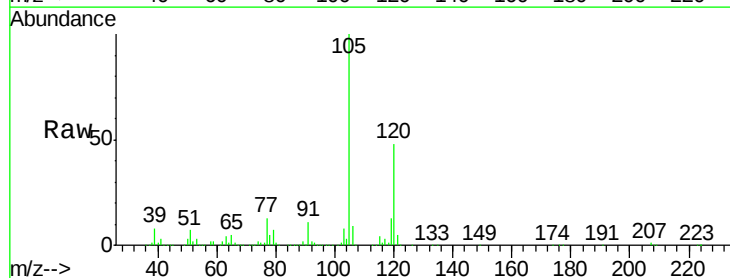
Acq: 07 May 2020 13:50

Tgt Ion:105 Resp: 215983

Ion Ratio Lower Upper

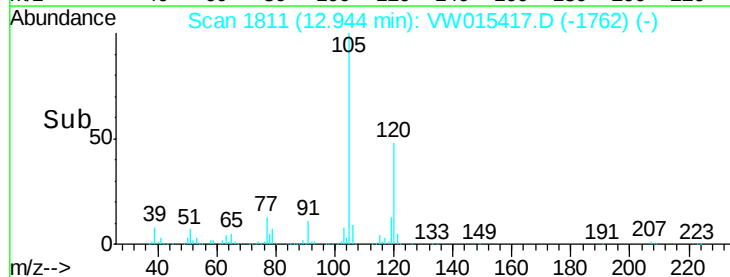
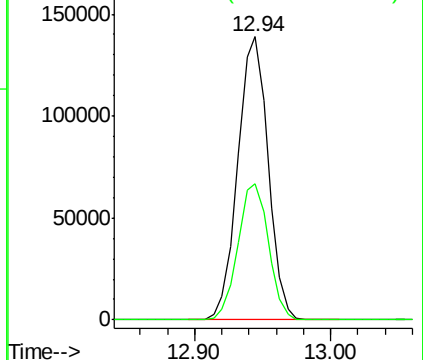
105 100

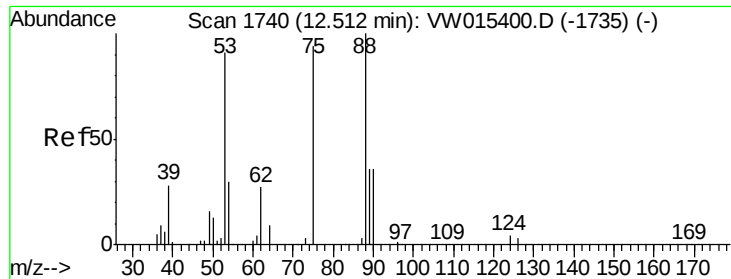
120 48.5 24.2 72.6



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 :

VW0507SBS01

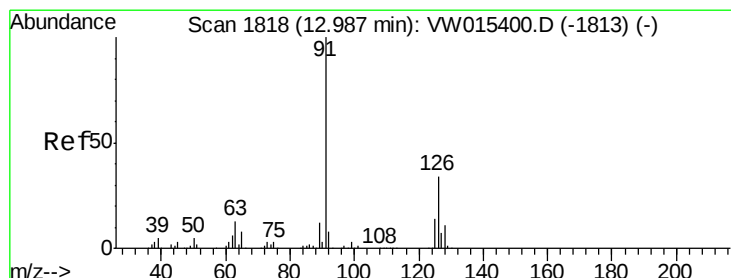
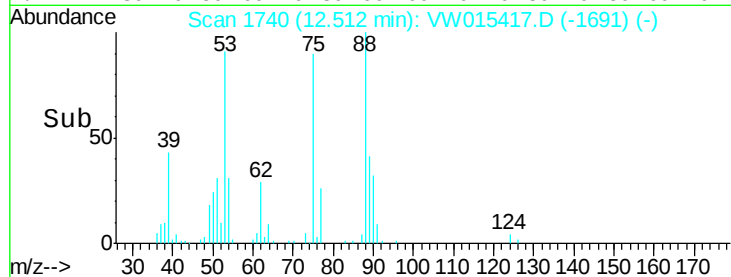
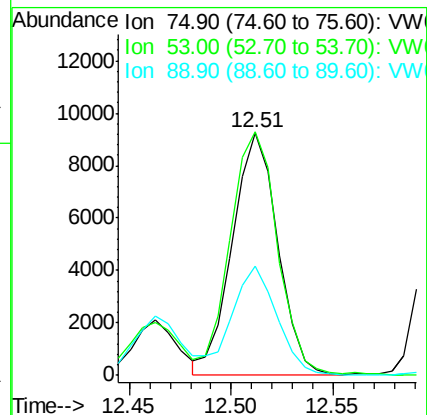
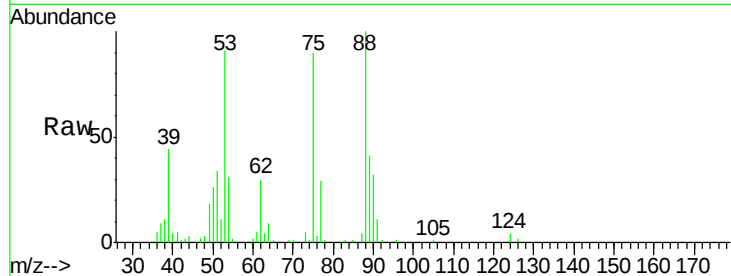
Tot Ion: 75 Resp: 14285

Ion Ratio Lower Upper

75 100

53 105.6 82.5 123.7

89 44.0 35.8 53.8



#82

4-Chlorotoluene

Concen: 20.182 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW015417.D

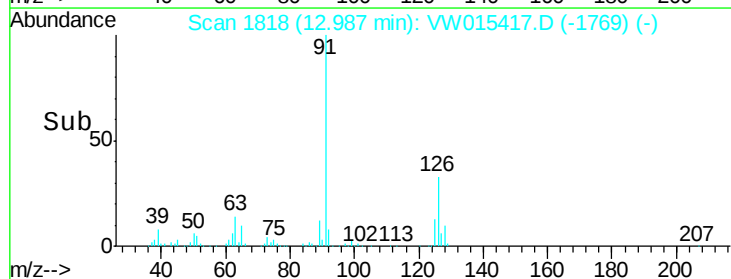
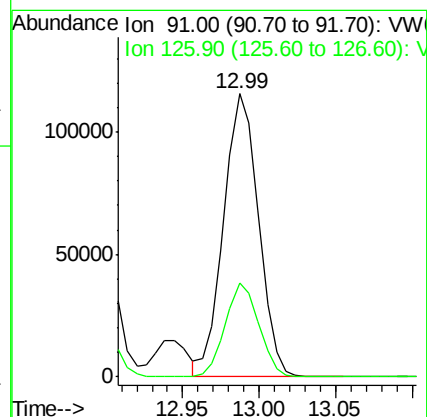
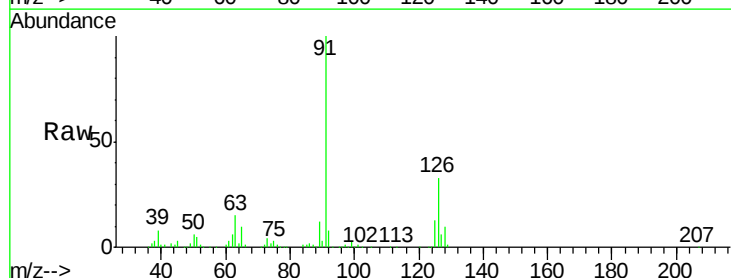
Acq: 07 May 2020 13:50

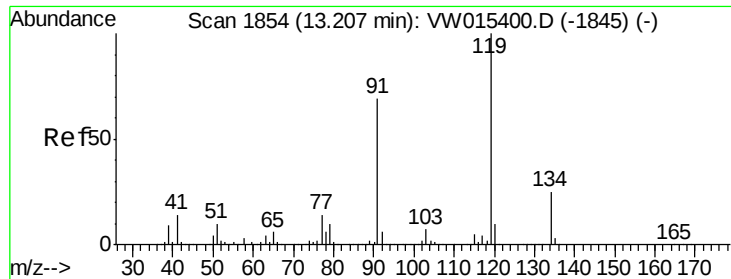
Tgt Ion: 91 Resp: 182608

Ion Ratio Lower Upper

91 100

126 32.2 16.0 47.9

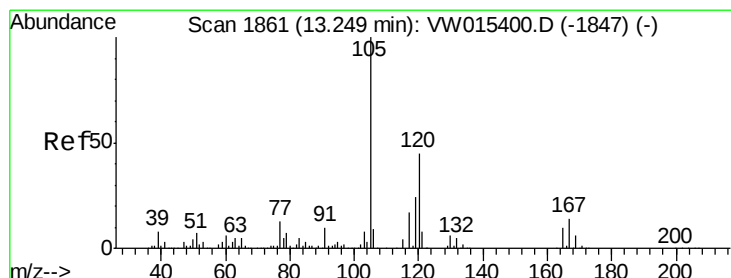
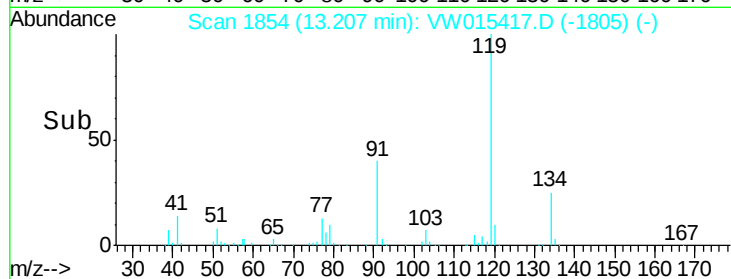
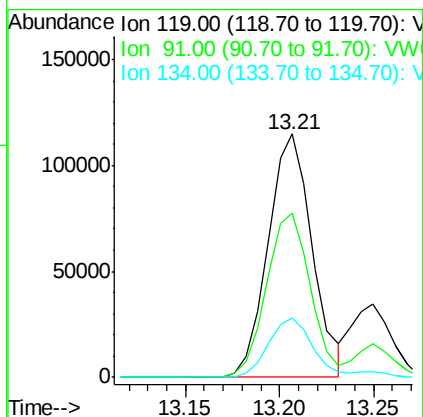
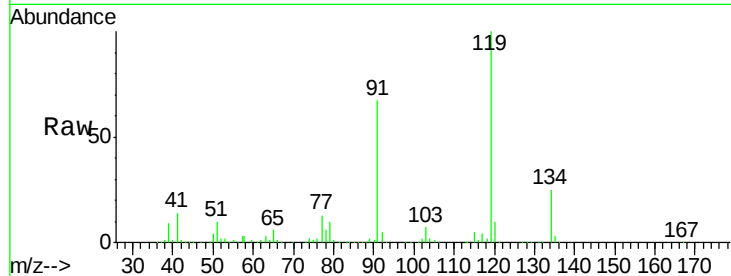




#83
tert-Butylbenzene
Concen: 20.481 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW015417.D
Acq: 07 May 2020 13:50

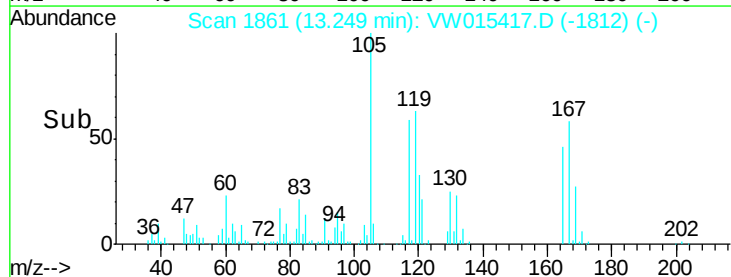
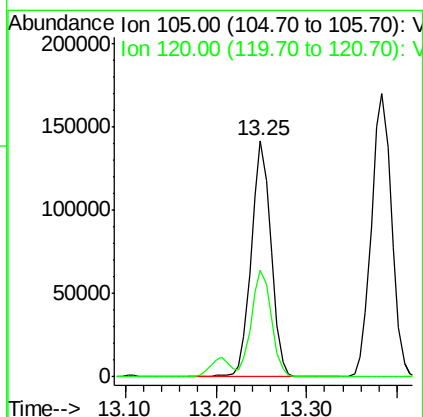
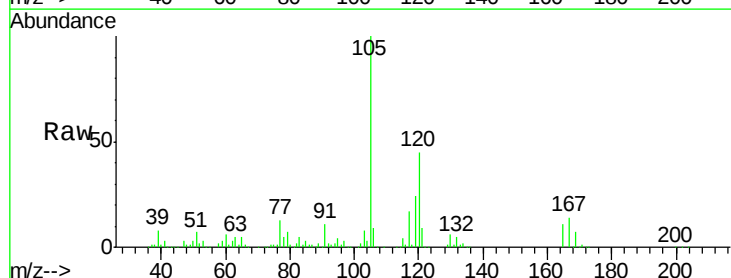
Instrument :
MSVOA_W
ClientSampleId :
VW0507SBS01

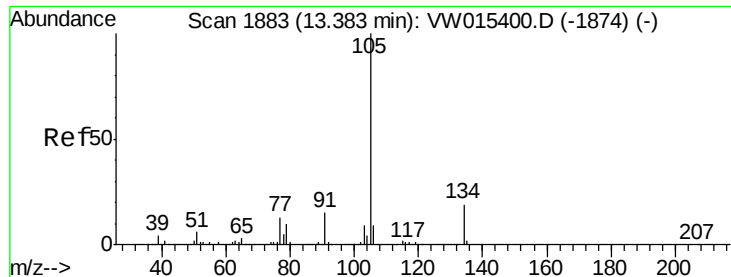
Tot Ion:119 Resp: 185831
Ion Ratio Lower Upper
119 100
91 67.3 33.8 101.4
134 24.5 12.3 36.9



#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 :

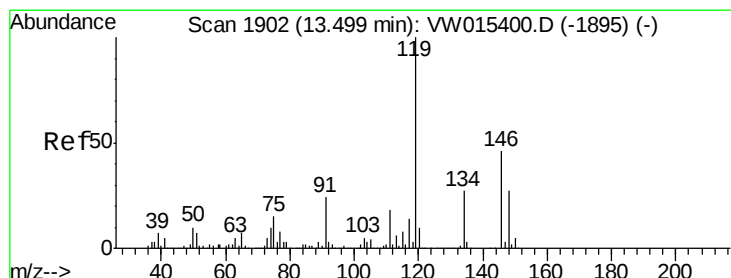
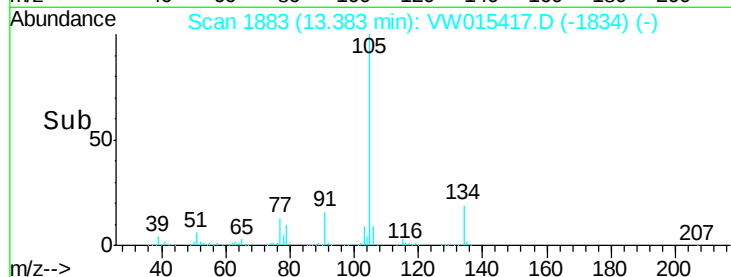
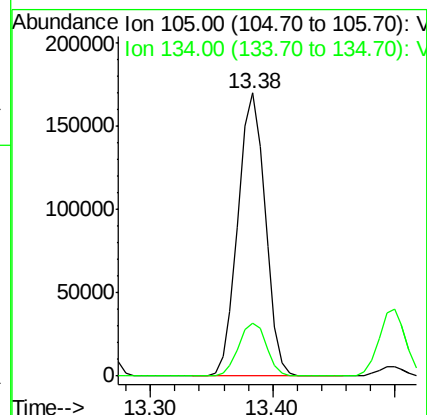
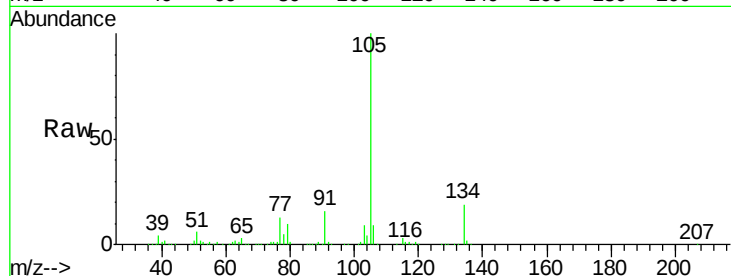
VW0507SBSD01

Tot Ion:105 Resp: 262459

Ion Ratio Lower Upper

105 100

134 19.2 9.8 29.5



#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

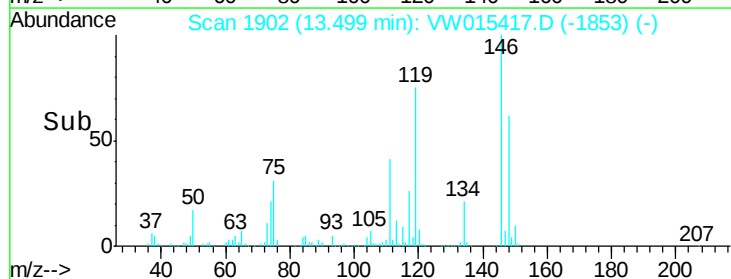
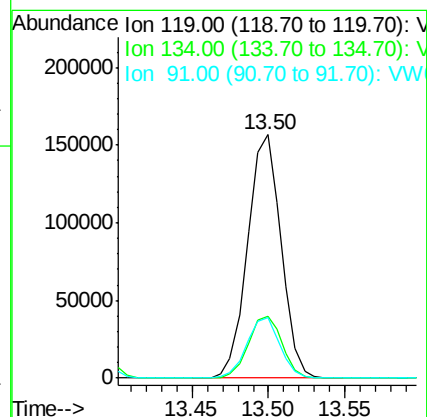
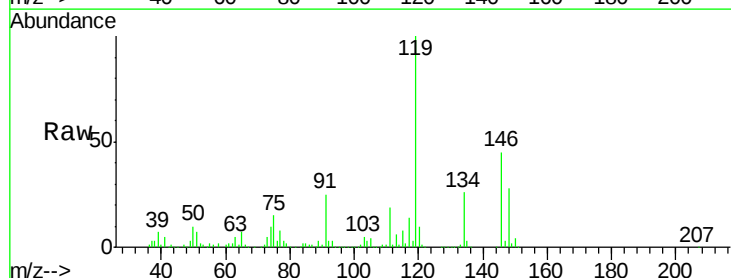
Tgt Ion:119 Resp: 236850

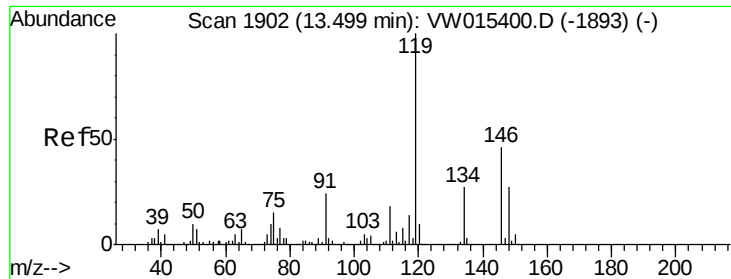
Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.4

91 24.6 12.1 36.3

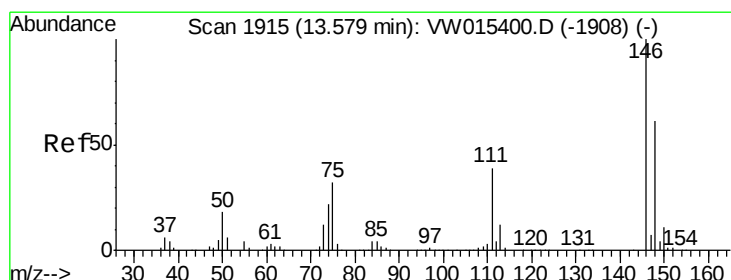
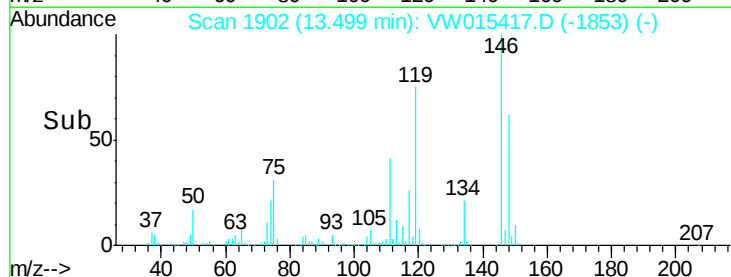
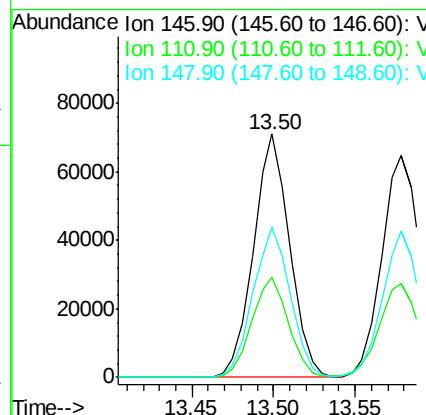
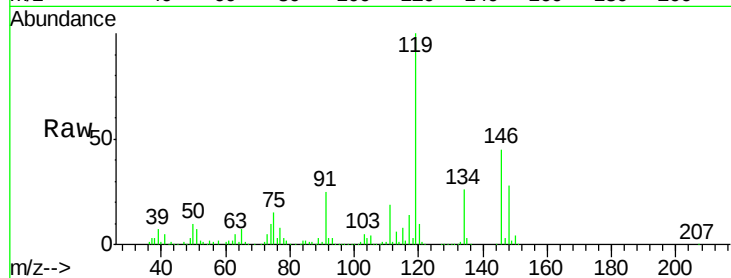




#87
 1,3-Dichlorobenzene
 Concen: 20.496 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

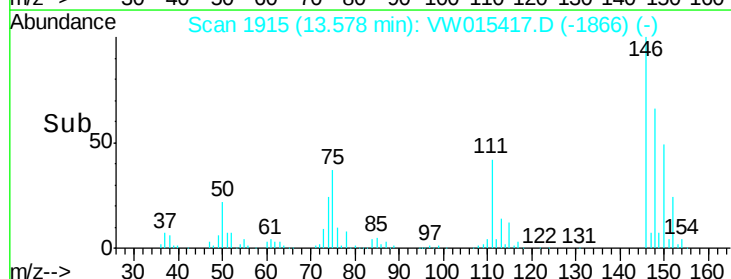
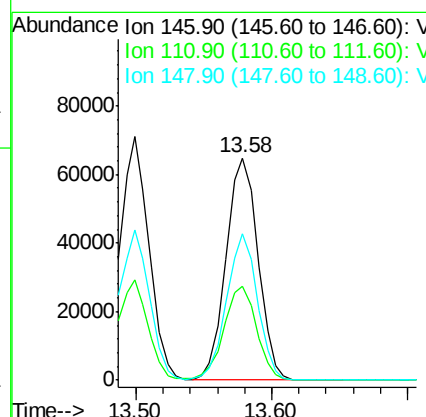
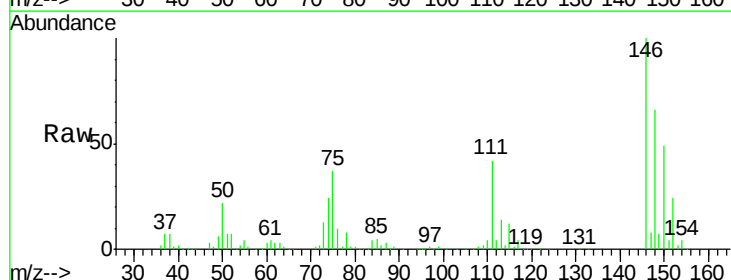
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0507SBS01

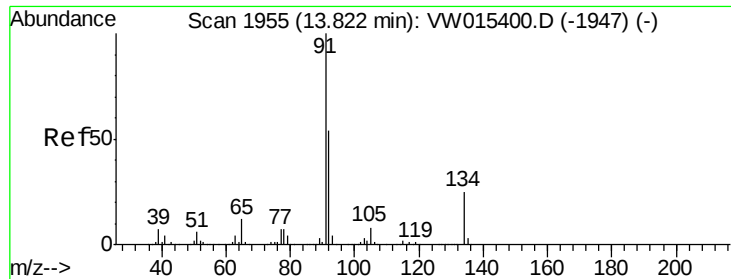
Tot Ion:146 Resp: 109221
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.5 61.5
 148 63.6 31.4 94.0



#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





#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 :

VW0507SBSD01

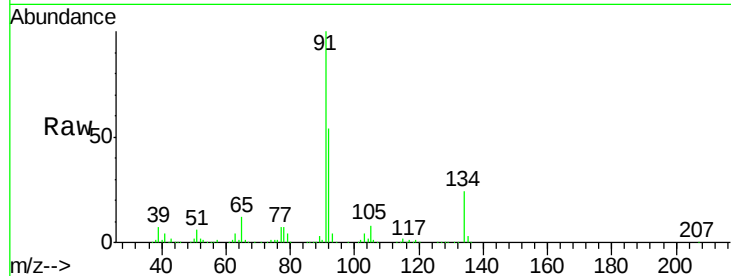
Tot Ion: 91 Resp: 233549

Ion Ratio Lower Upper

91 100

92 53.9 27.2 81.6

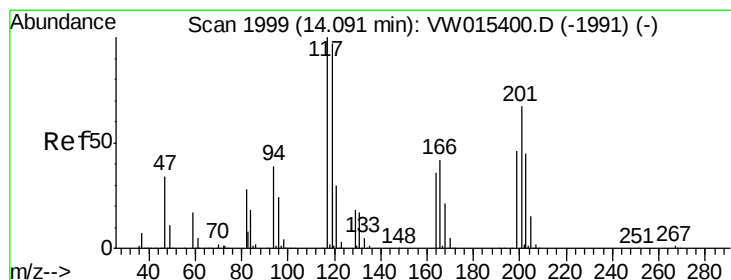
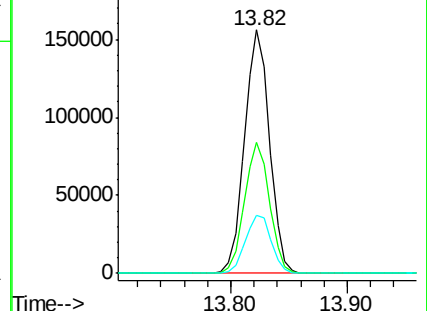
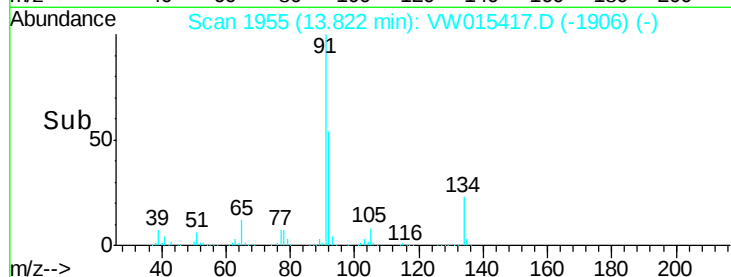
134 24.7 12.6 37.6



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): VW



#90

Hexachloroethane

Concen: 20.190 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW015417.D

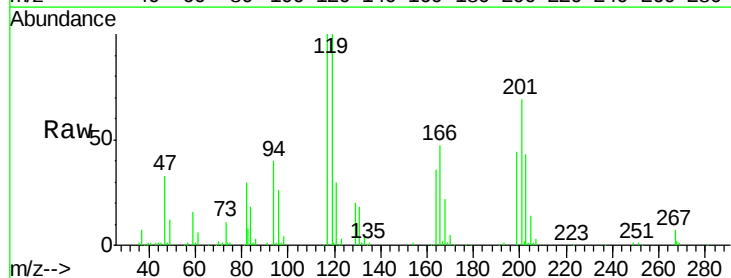
Acq: 07 May 2020 13:50

Tgt Ion: 117 Resp: 43381

Ion Ratio Lower Upper

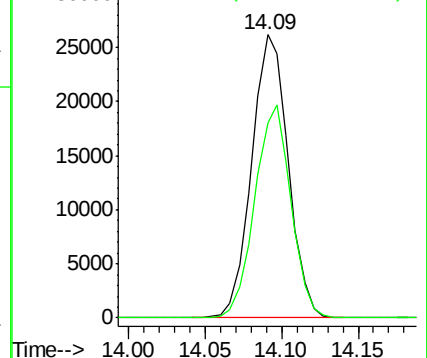
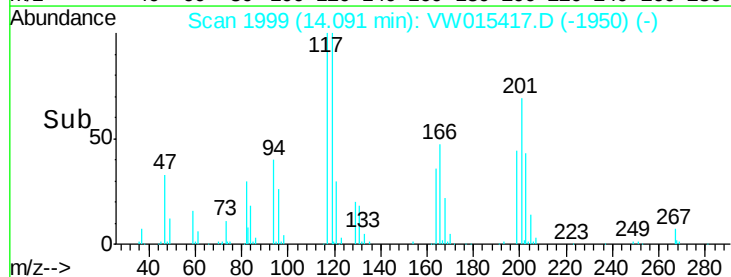
117 100

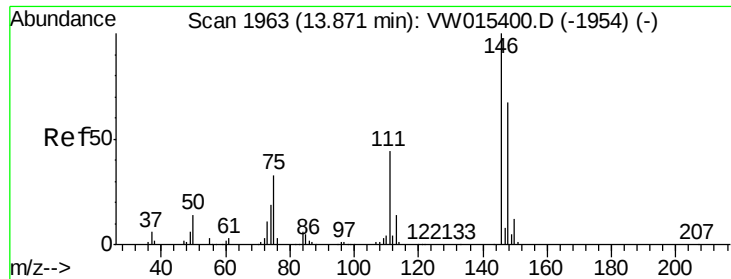
201 74.4 35.9 107.8



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

ClientSampleId :

VW0507SBSD01

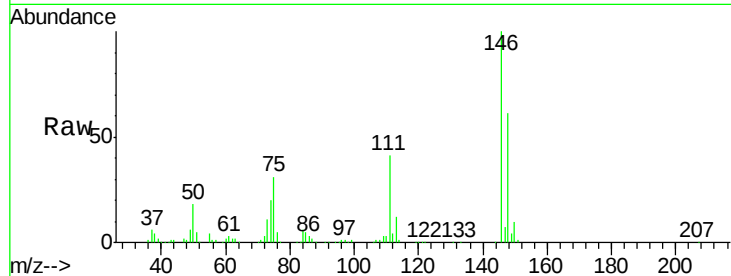
Tot Ion:146 Resp: 95121

Ion Ratio Lower Upper

146 100

111 43.4 22.1 66.3

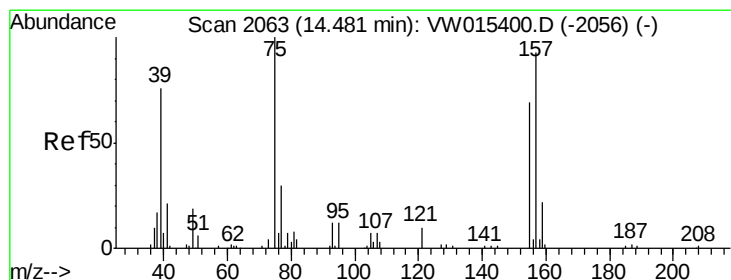
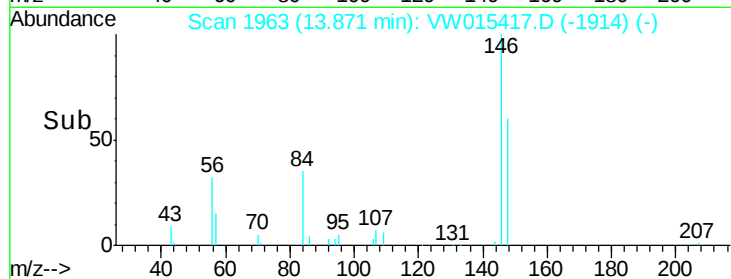
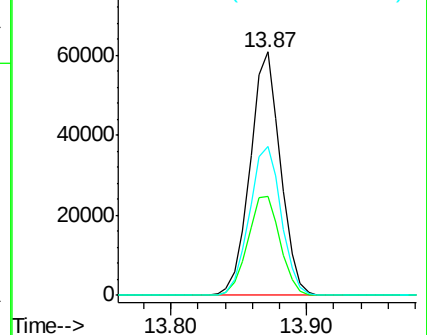
148 64.4 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.768 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW015417.D

Acq: 07 May 2020 13:50

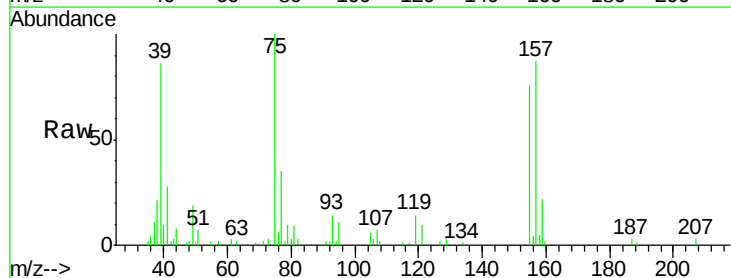
Tgt Ion: 75 Resp: 7160

Ion Ratio Lower Upper

75 100

155 77.5 38.7 116.1

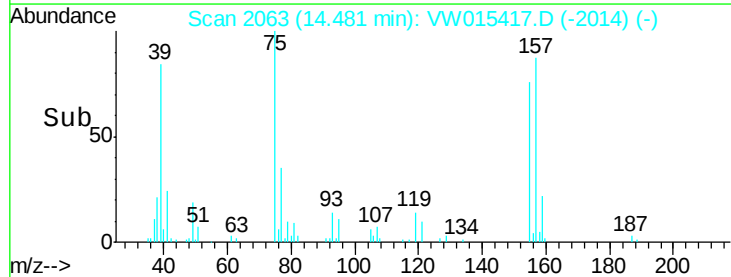
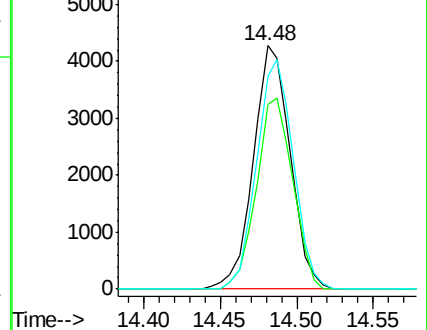
157 94.0 48.1 144.4

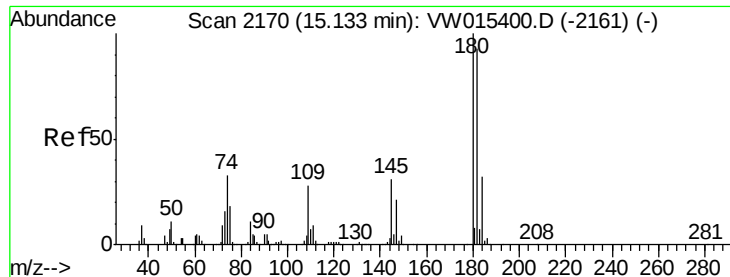


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

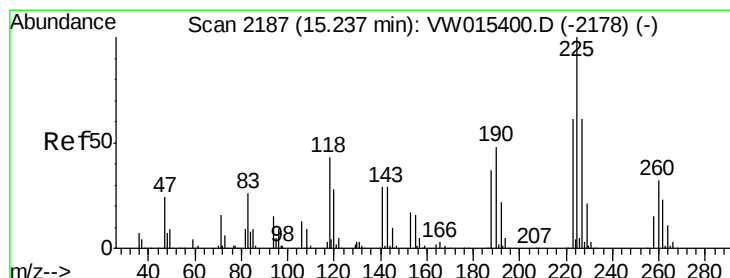
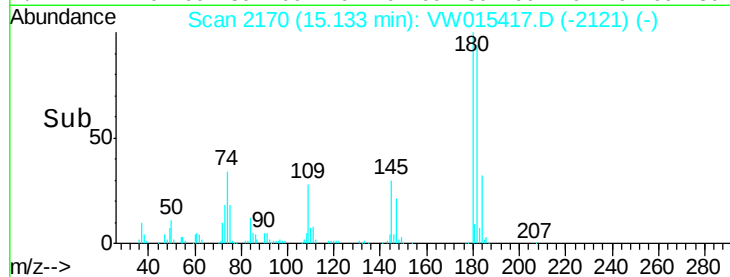
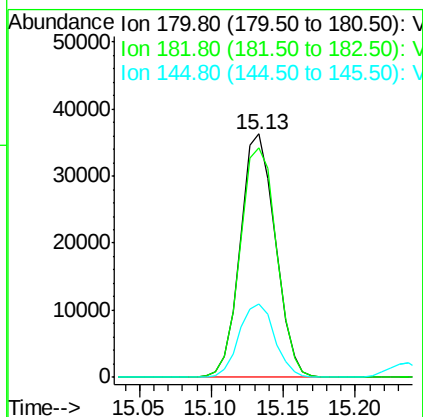
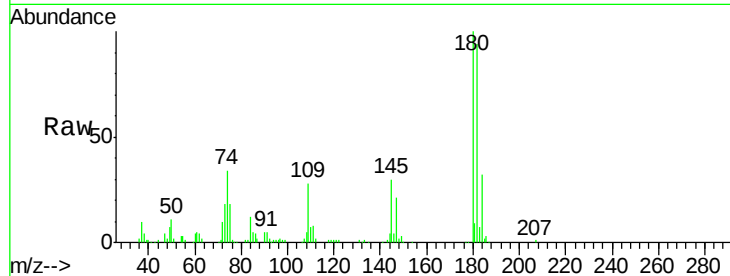




#93
 1,2,4-Trichlorobenzene
 Concen: 19.737 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015417.D
 Acq: 07 May 2020 13:50

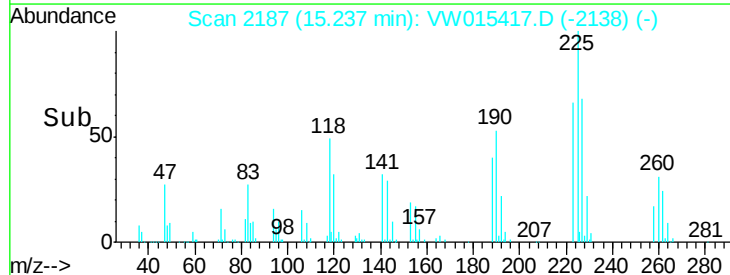
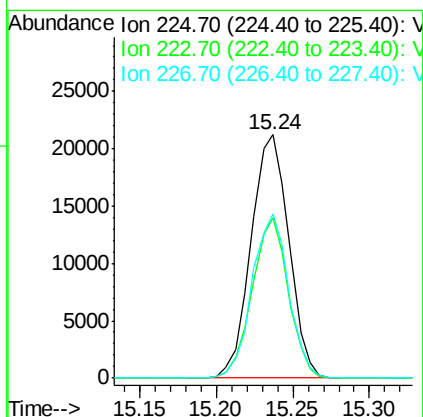
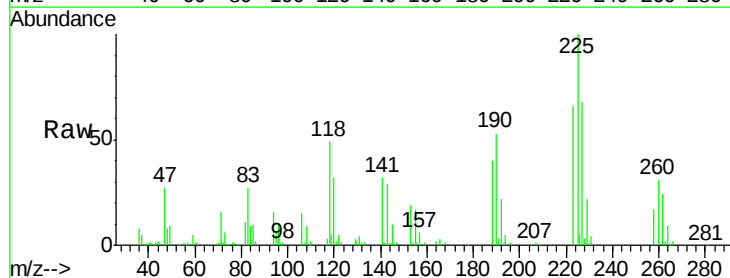
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0507SBSD01

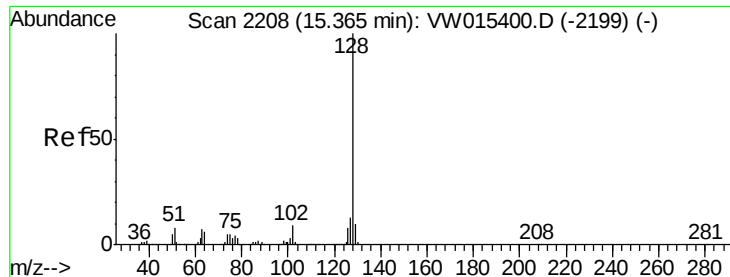
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.2	141.6
145	30.6	15.6	46.8



#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





#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 :

VW0507SBSD01

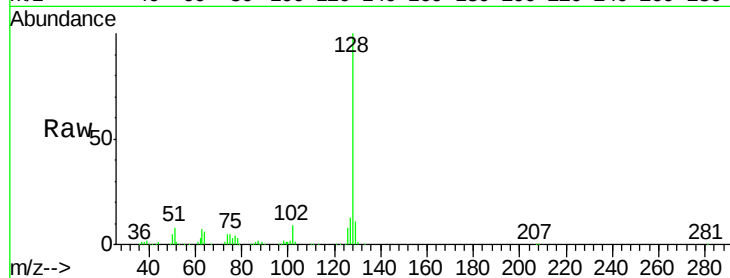
Tot Ion:128 Resp: 110841

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

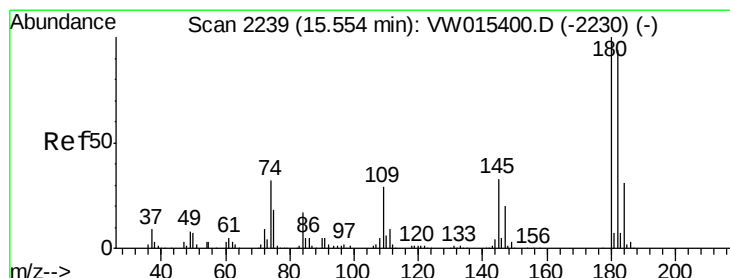
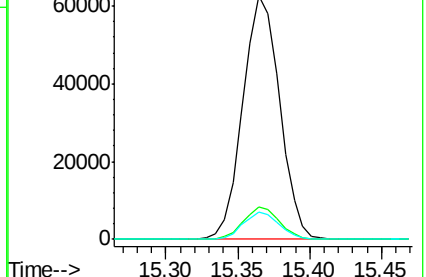
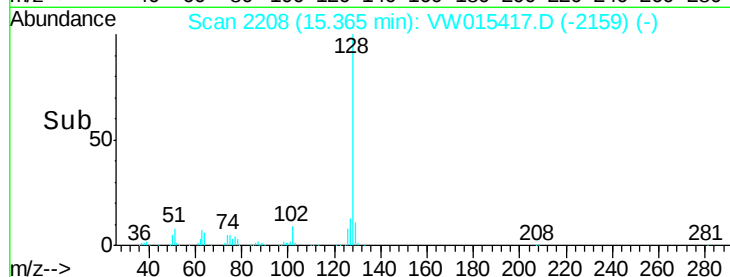
129 10.9 8.6 12.8



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

Acq: 07 May 2020 13:50

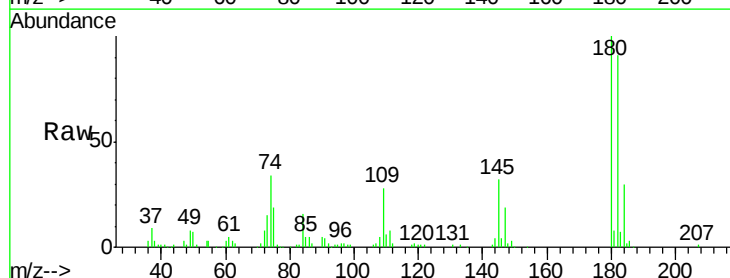
Tgt Ion:180 Resp: 51127

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

