

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015226.D
 Acq On : 20 Apr 2020 16:46
 Operator : SY/VA
 Sample : VW0420SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

Quant Time: Apr 21 06:52:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	232401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	342344	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	314486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161924	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	106086	55.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.64%	
35) Dibromofluoromethane	7.89	113	105040	55.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.78%	
50) Toluene-d8	10.32	98	418284	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
62) 4-Bromofluorobenzene	12.62	95	152821	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	38069	20.743	ug/l	95
3) Chloromethane	2.21	50	41606	20.818	ug/l	97
4) Vinyl Chloride	2.36	62	48935	20.735	ug/l	97
5) Bromomethane	2.76	94	37695	22.464	ug/l	92
6) Chloroethane	2.92	64	29175	19.930	ug/l	99
7) Trichlorofluoromethane	3.26	101	71572	21.432	ug/l	99
8) Diethyl Ether	3.70	74	19841	21.167	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.07	101	44610	21.661	ug/l	93
10) Methyl Iodide	4.28	142	38408	17.756	ug/l	99
11) Tert butyl alcohol	5.17	59	15621	100.834	ug/l	96
12) 1,1-Dichloroethene	4.04	96	42071	21.224	ug/l	96
13) Acrolein	3.90	56	10291	126.918	ug/l	97
14) Allyl chloride	4.67	41	55031	20.927	ug/l	87
15) Acrylonitrile	5.38	53	35996	100.907	ug/l	98
16) Acetone	4.13	43	27439	82.663	ug/l	99
17) Carbon Disulfide	4.39	76	123075	20.893	ug/l	99
18) Methyl Acetate	4.68	43	17716	20.163	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	96568	21.222	ug/l	98
20) Methylene Chloride	4.92	84	44629	20.515	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	47161	20.978	ug/l	96
22) Diisopropyl ether	6.32	45	106634	21.137	ug/l	91
23) Vinyl Acetate	6.26	43	313028	105.738	ug/l	97
24) 1,1-Dichloroethane	6.23	63	73975	21.158	ug/l	99
25) 2-Butanone	7.17	43	43486	98.744	ug/l #	88
26) 2,2-Dichloropropane	7.17	77	75472	20.519	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	51656	21.283	ug/l	99
28) Bromochloromethane	7.51	49	26680	20.988	ug/l #	75
29) Tetrahydrofuran	7.53	42	28714	104.654	ug/l	90
30) Chloroform	7.68	83	80296	21.279	ug/l	98
31) Cyclohexane	7.96	56	74302	21.142	ug/l #	85
32) 1,1,1-Trichloroethane	7.88	97	77383	21.248	ug/l	99
36) 1,1-Dichloropropene	8.09	75	64983	21.031	ug/l	99
37) Ethyl Acetate	7.26	43	20747	20.689	ug/l #	97
38) Carbon Tetrachloride	8.07	117	69703	20.643	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	82681	20.104	ug/l	96
40) Benzene	8.32	78	171309	20.755	ug/l	99
41) Methacrylonitrile	7.49	41	12394	20.599	ug/l	93
42) 1,2-Dichloroethane	8.40	62	50132	20.632	ug/l	100
43) Isopropyl Acetate	8.43	43	43030	20.459	ug/l	95
44) Trichloroethene	9.10	130	52618	20.841	ug/l	91
45) 1,2-Dichloropropane	9.37	63	40127	20.906	ug/l	100
46) Dibromomethane	9.46	93	22974	20.691	ug/l #	89
47) Bromodichloromethane	9.65	83	62128	20.931	ug/l	99
48) Methyl methacrylate	9.43	41	19053	19.163	ug/l #	84
49) 1,4-Dioxane	9.45	88	5155	348.268	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	99454	100.734	ug/l	98
52) Toluene	10.39	92	115403	19.978	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	59120	20.200	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	70691	20.780	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	32130	20.666	ug/l	93
56) Ethyl methacrylate	10.65	69	39610	19.776	ug/l	91
57) 1,3-Dichloropropane	10.93	76	53134	20.631	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	97381	104.871	ug/l	91
59) 2-Hexanone	10.97	43	65813	93.382	ug/l	97
60) Dibromochloromethane	11.13	129	43044	20.969	ug/l	100
61) 1,2-Dibromoethane	11.24	107	30996	20.432	ug/l	100
64) Tetrachloroethene	10.86	164	46491	20.713	ug/l	91
65) Chlorobenzene	11.66	112	124018	20.097	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	46799	21.100	ug/l	96
67) Ethyl Benzene	11.73	91	231094	20.081	ug/l	100
68) m/p-Xylenes	11.84	106	179387	39.767	ug/l	99
69) o-Xylene	12.16	106	83887	19.923	ug/l	99
70) Styrene	12.18	104	142764	19.891	ug/l	99
71) Bromoform	12.35	173	24857	19.890	ug/l #	98
73) Isopropylbenzene	12.46	105	231451	20.616	ug/l	100
74) N-amyl acetate	12.27	43	39548	20.248	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	33206	20.832	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	44969	35.899	ug/l #	100
77) Bromobenzene	12.74	156	55432	21.490	ug/l	83
78) n-propylbenzene	12.80	91	271038	20.735	ug/l	97
79) 2-Chlorotoluene	12.89	91	152894	20.755	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	201982	20.885	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11867	20.709	ug/l	93
82) 4-Chlorotoluene	12.99	91	160230	20.486	ug/l	98
83) tert-Butylbenzene	13.21	119	173349	20.508	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	195808	20.528	ug/l	99
85) sec-Butylbenzene	13.38	105	237586	20.353	ug/l	97
86) p-Isopropyltoluene	13.50	119	221614	20.431	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	106890	20.857	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	103576	20.617	ug/l	98
89) n-Butylbenzene	13.82	91	203502	20.526	ug/l	97
90) Hexachloroethane	14.09	117	41209	20.716	ug/l	76
91) 1,2-Dichlorobenzene	13.87	146	91177	20.473	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5650	19.586	ug/l	87

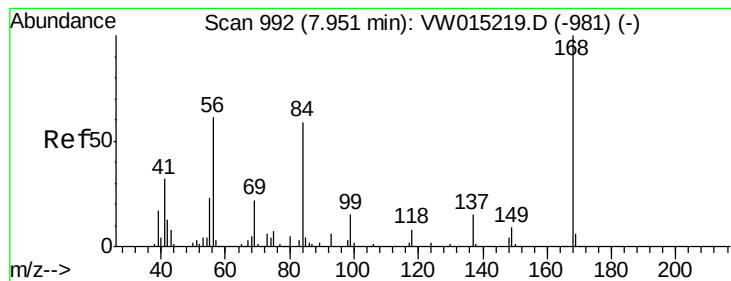
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
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Quant Title : SW846 8260
QLast Update : Tue Apr 21 06:39:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	64054	20.692	ug/l	98
94) Hexachlorobutadiene	15.24	225	43421	21.039	ug/l	99
95) Naphthalene	15.36	128	101385	20.360	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	52334	20.779	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. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

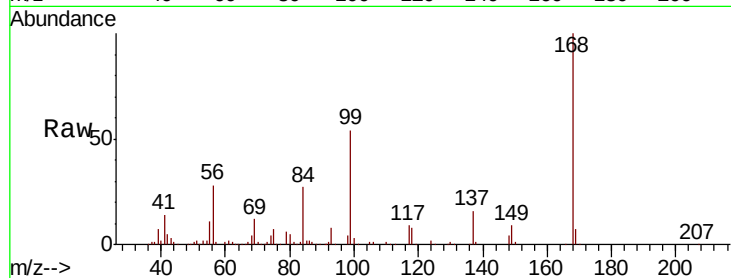
VW0420SBS01

Tot Ion:168 Resp: 232401

Ion Ratio Lower Upper

168 100

99 53.7 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

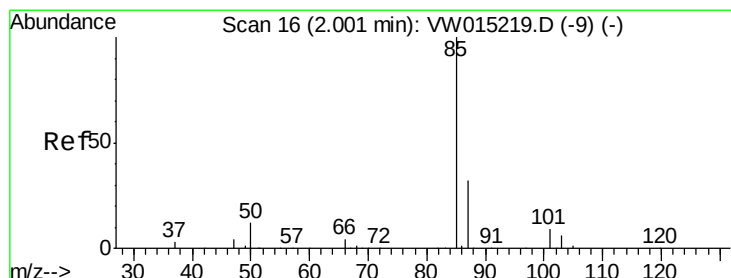
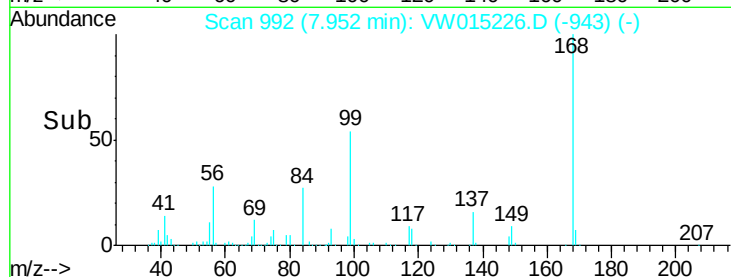
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.743 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015226.D

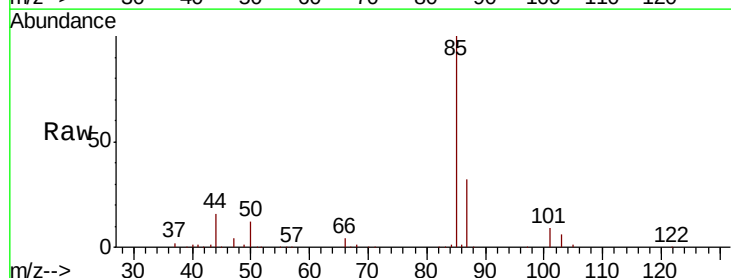
Acq: 20 Apr 2020 16:46

Tgt Ion: 85 Resp: 38069

Ion Ratio Lower Upper

85 100

87 31.7 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

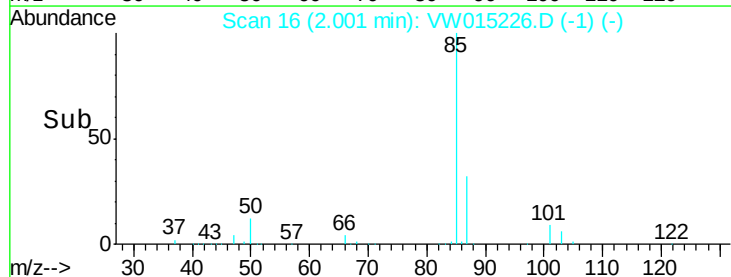
30000

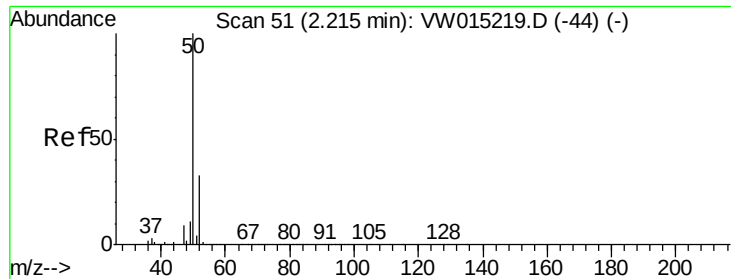
20000

10000

0

Time--> 1.95 2.00 2.05 2.10

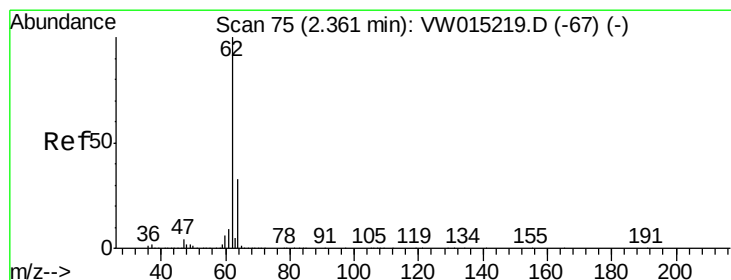
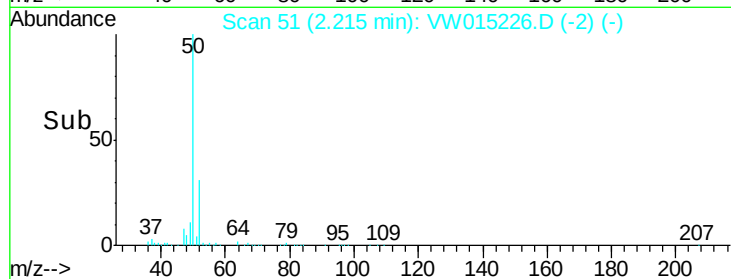
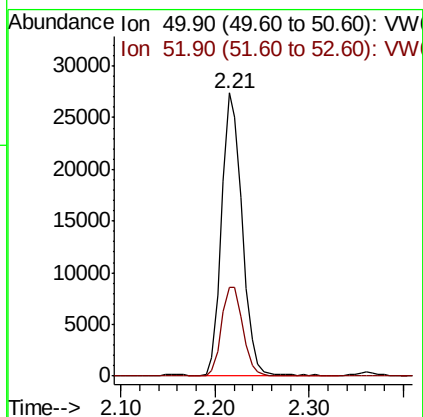
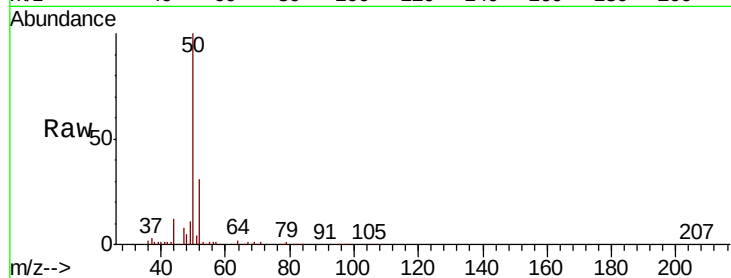




#3
Chloromethane
Concen: 20.818 ug/l
RT: 2.21 min Scan# 51
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

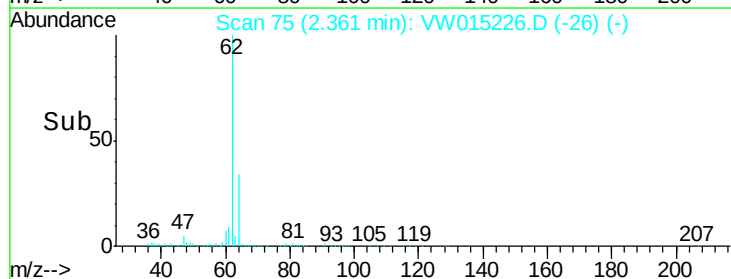
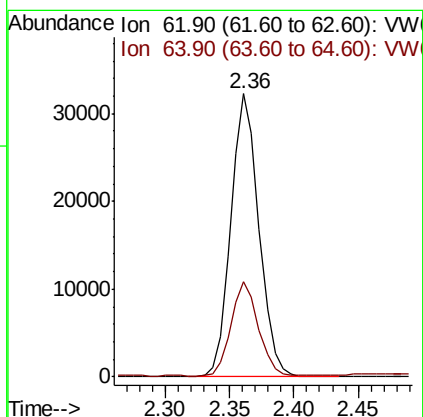
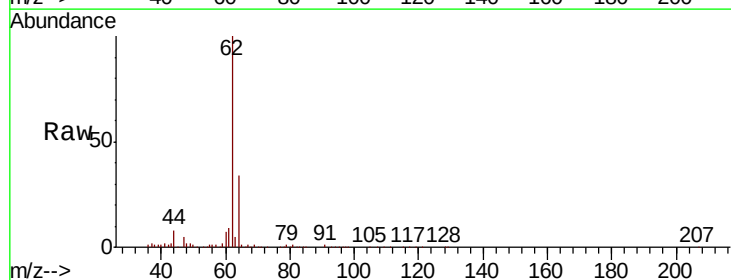
Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

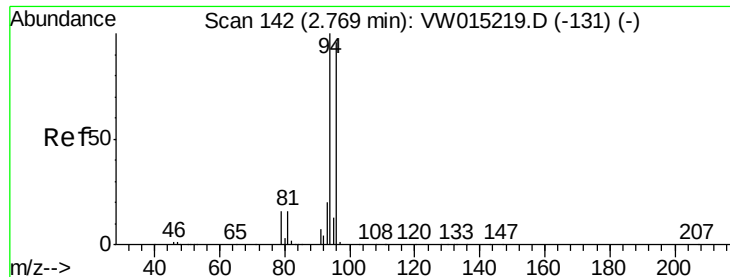
Tot Ion: 50 Resp: 41606
Ion Ratio Lower Upper
50 100
52 31.5 26.5 39.7



#4
Vinyl Chloride
Concen: 20.735 ug/l
RT: 2.36 min Scan# 75
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion: 62 Resp: 48935
Ion Ratio Lower Upper
62 100
64 33.4 25.4 38.2





#5

Bromomethane

Concen: 22.464 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

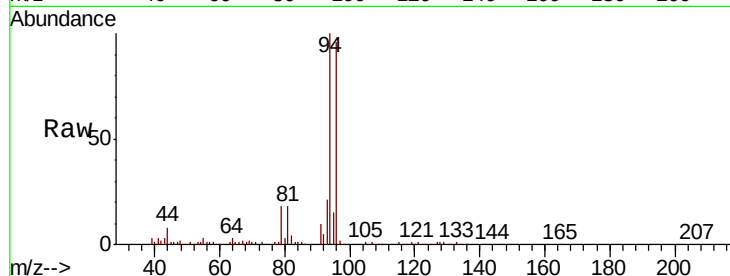
VW0420SBS01

Tot Ion: 94 Resp: 37695

Ion Ratio Lower Upper

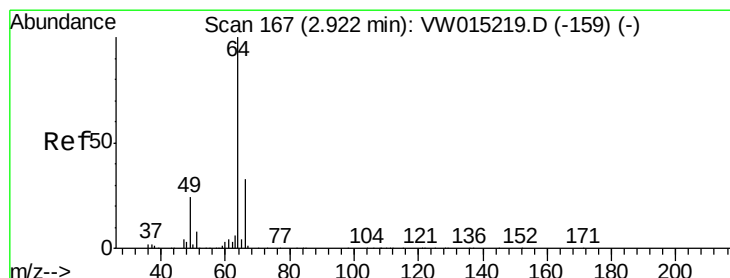
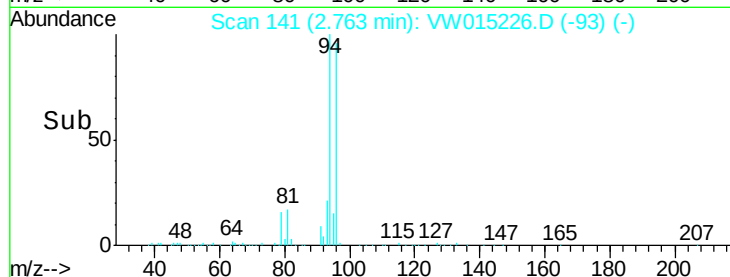
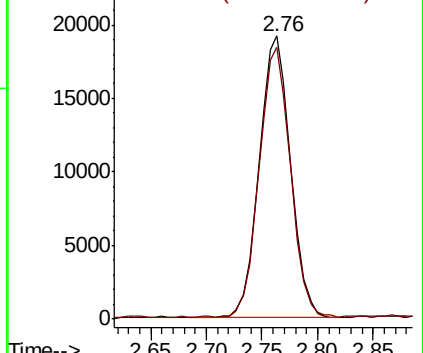
94 100

96 95.8 70.4 105.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.930 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW015226.D

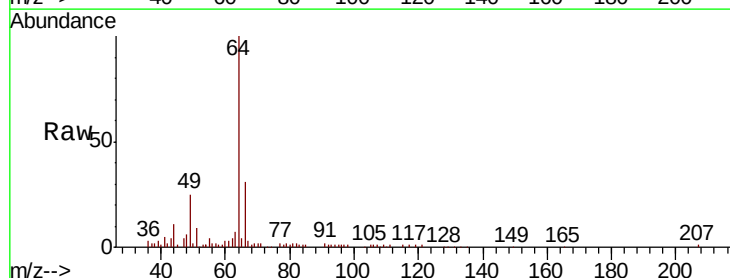
Acq: 20 Apr 2020 16:46

Tgt Ion: 64 Resp: 29175

Ion Ratio Lower Upper

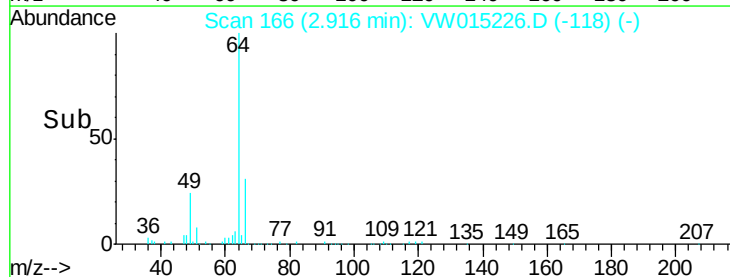
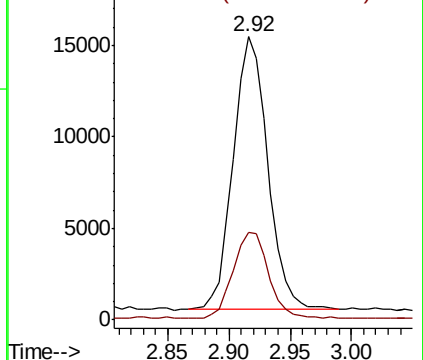
64 100

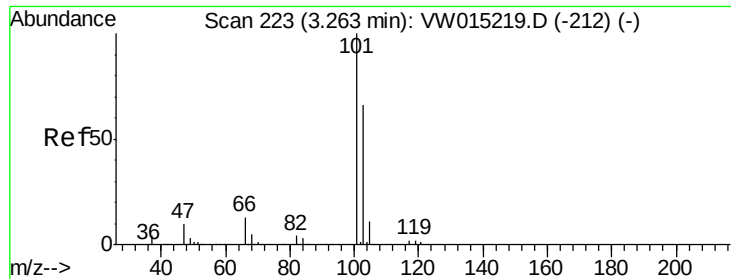
66 31.5 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



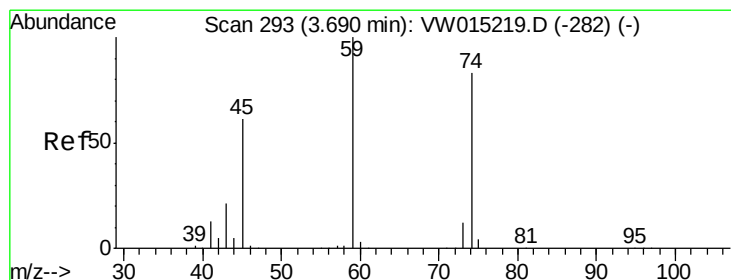
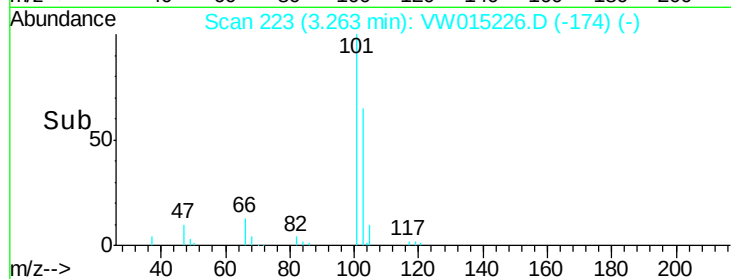
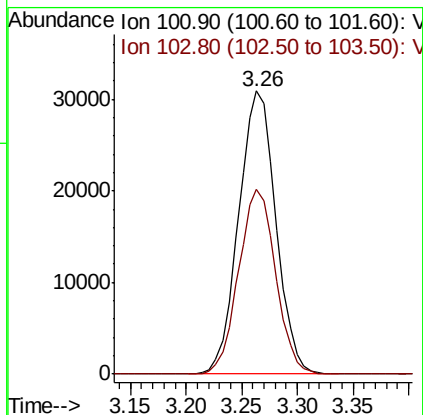
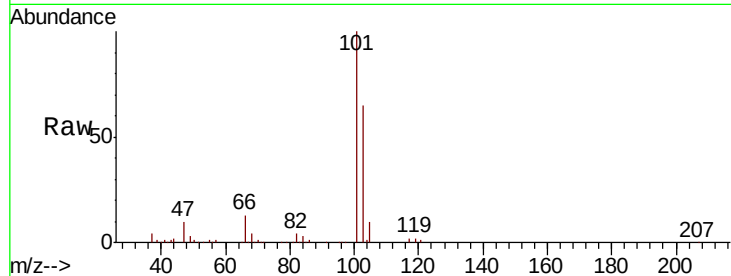


#7

Trichlorofluoromethane
 Concen: 21.432 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

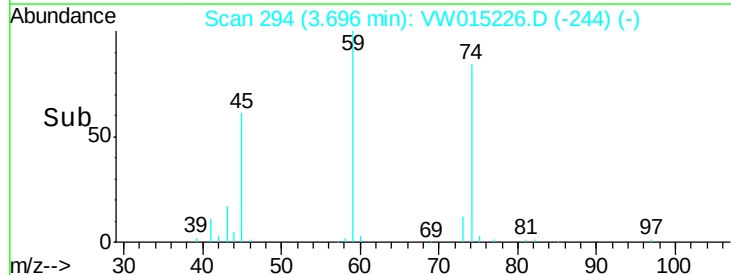
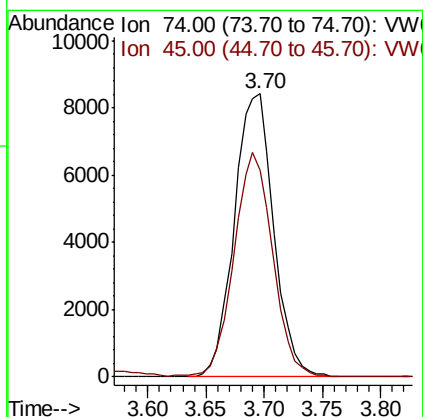
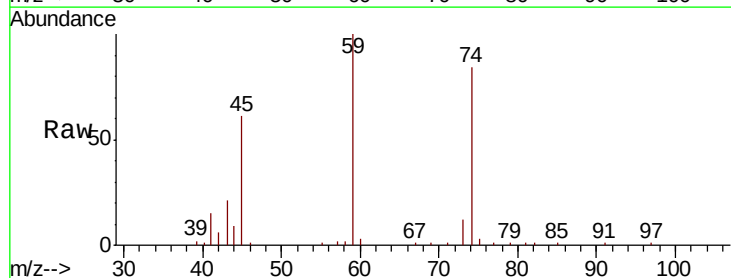
Tot Ion:101 Resp: 71572
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.3 76.9

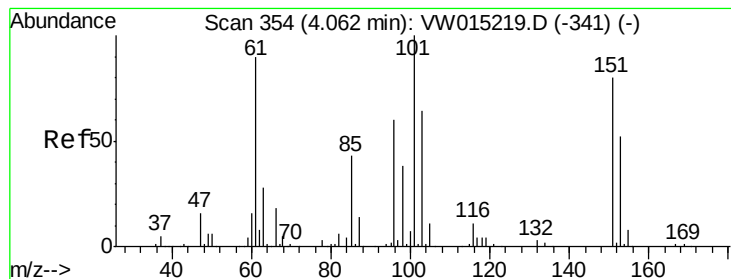


#8

Diethyl Ether
 Concen: 21.167 ug/l
 RT: 3.70 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Tgt Ion: 74 Resp: 19841
 Ion Ratio Lower Upper
 74 100
 45 78.4 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.661 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

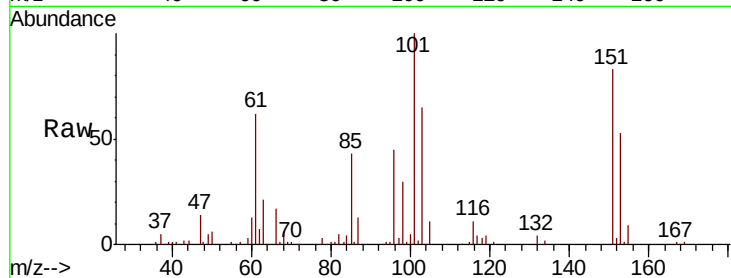
Tot Ion:101 Resp: 44610

Ion Ratio Lower Upper

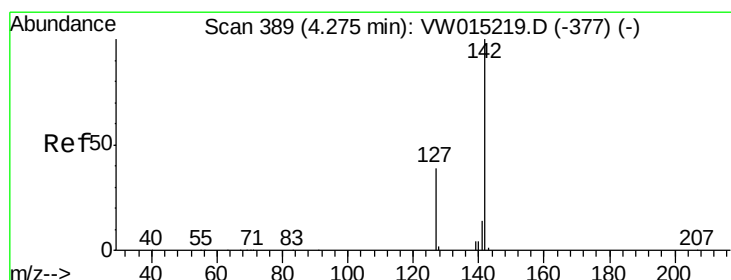
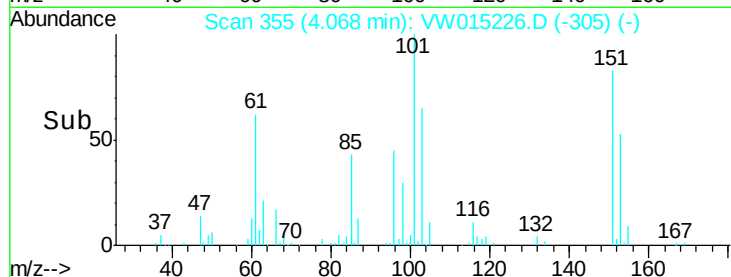
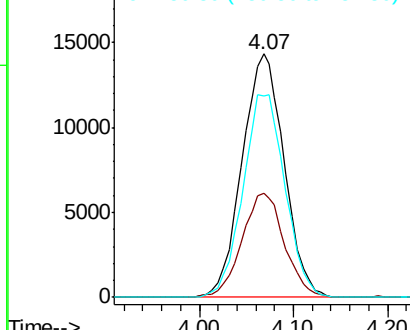
101 100

85 43.4 35.3 52.9

151 83.5 59.3 88.9



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: 17.756 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

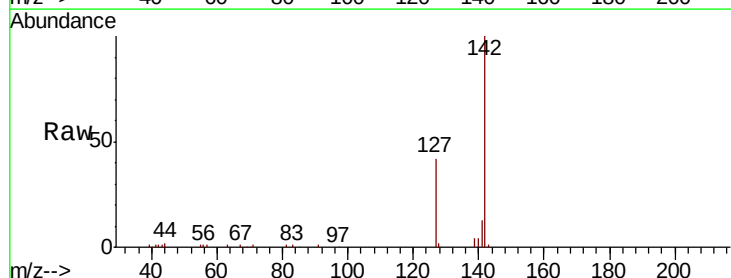
Tgt Ion:142 Resp: 38408

Ion Ratio Lower Upper

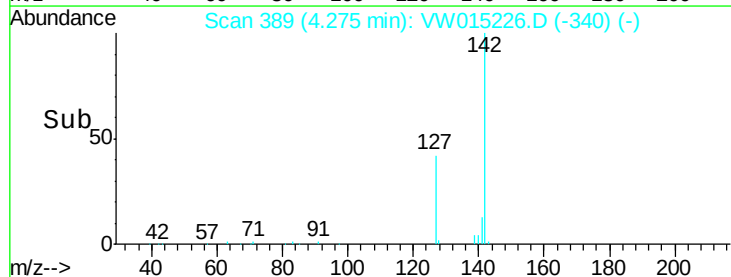
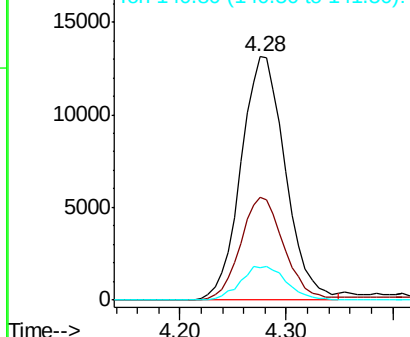
142 100

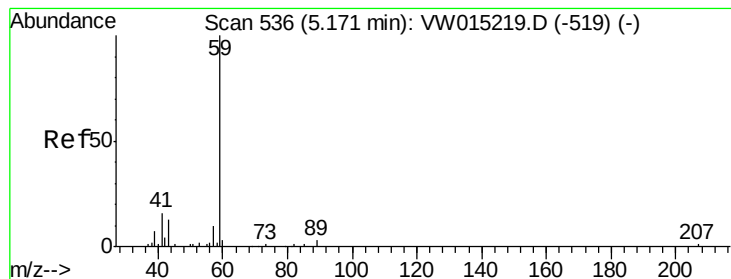
127 41.5 33.9 50.9

141 14.4 11.4 17.2



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



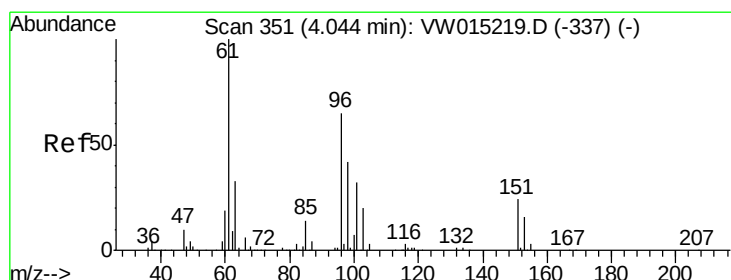
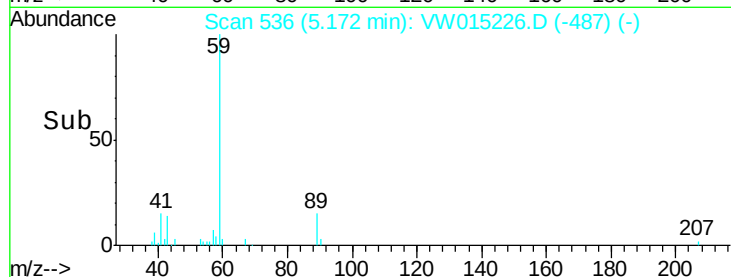
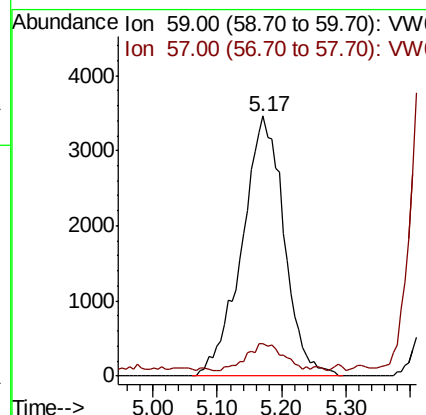
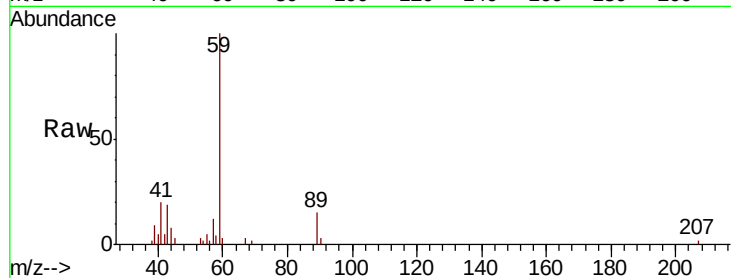


#11

Tert butyl alcohol
 Concen: 100.834 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

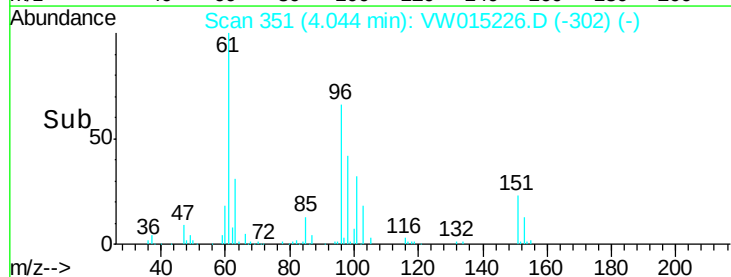
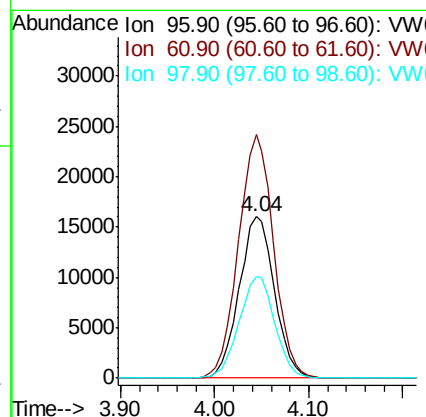
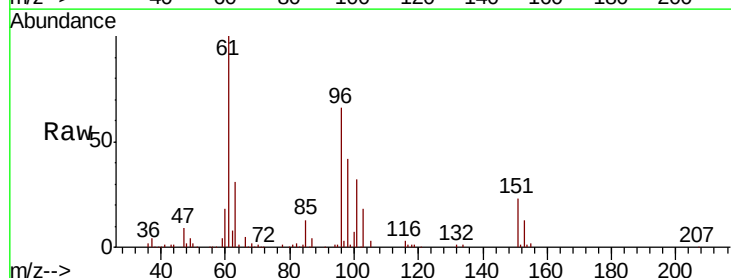
Tot Ion: 59 Resp: 15621
 Ion Ratio Lower Upper
 59 100
 57 9.0 8.4 12.6

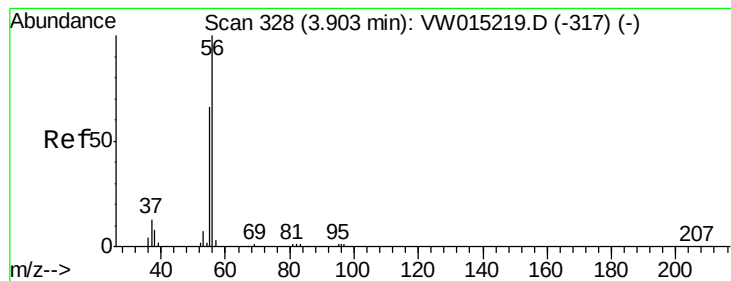


#12

1,1-Dichloroethene
 Concen: 21.224 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Tgt Ion: 96 Resp: 42071
 Ion Ratio Lower Upper
 96 100
 61 150.9 127.0 190.4
 98 63.1 51.0 76.4





#13

Acrolein

Concen: 126.918 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

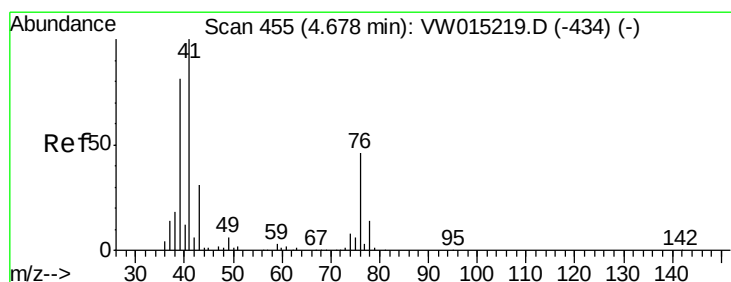
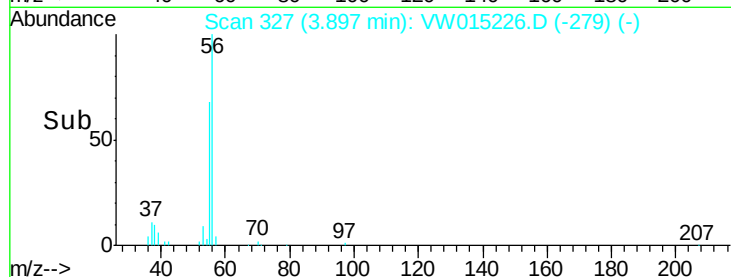
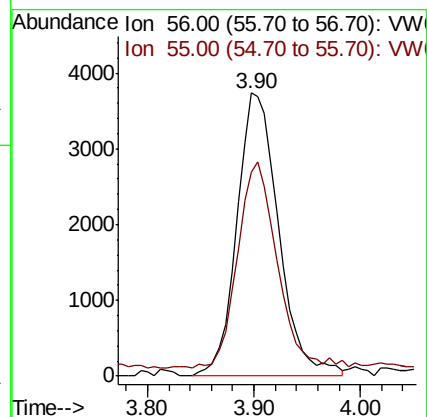
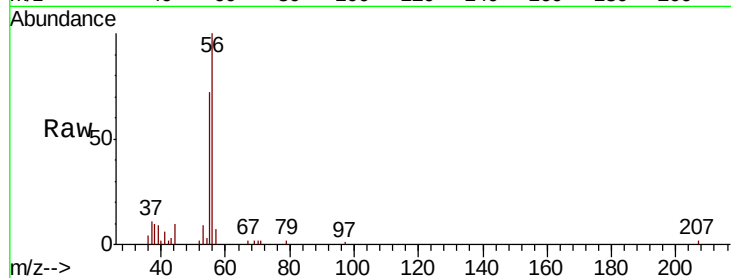
VW0420SBS01

Tot Ion: 56 Resp: 10291

Ion Ratio Lower Upper

56 100

55 68.0 56.2 84.2



#14

Allyl chloride

Concen: 20.927 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

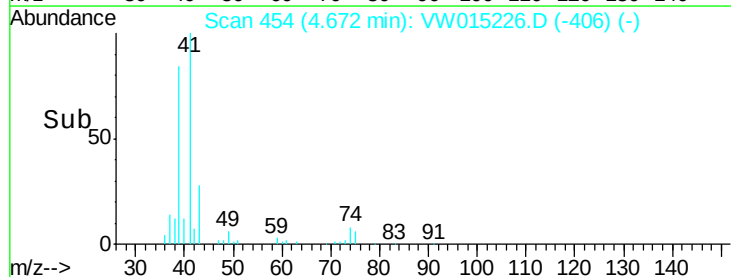
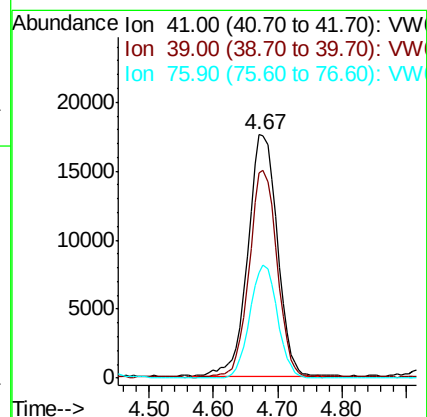
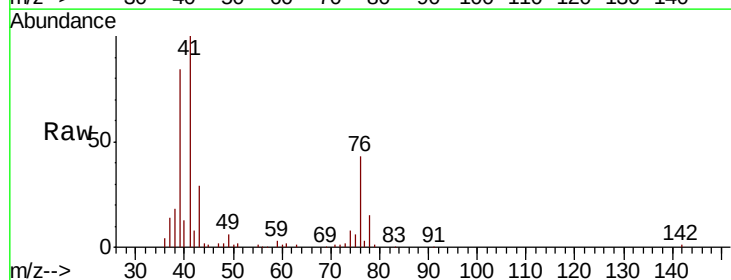
Tgt Ion: 41 Resp: 55031

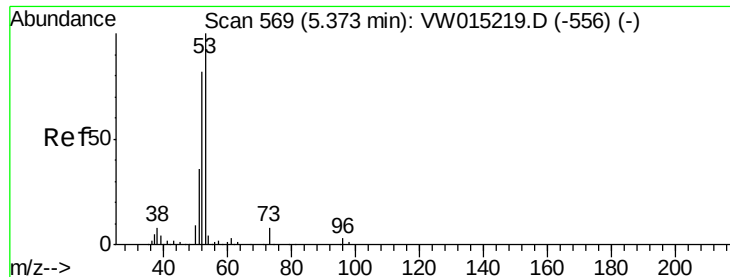
Ion Ratio Lower Upper

41 100

39 80.9 54.0 81.0

76 43.6 31.8 47.6





#15

Acrylonitrile

Concen: 100.907 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampled :

VW0420SBS01

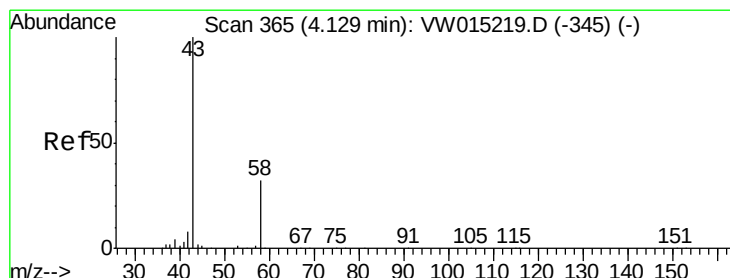
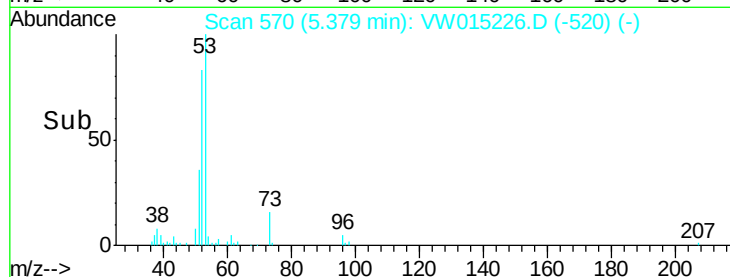
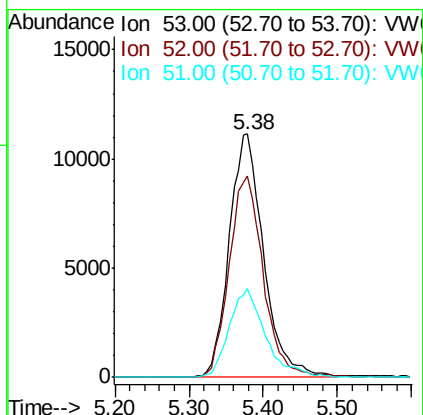
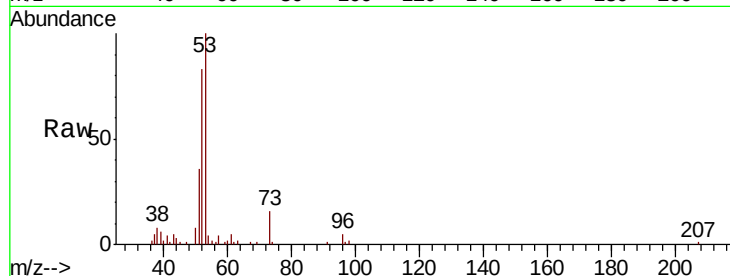
Tot Ion: 53 Resp: 35996

Ion Ratio Lower Upper

53 100

52 82.2 65.2 97.8

51 38.3 28.2 42.4



#16

Acetone

Concen: 82.663 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW015226.D

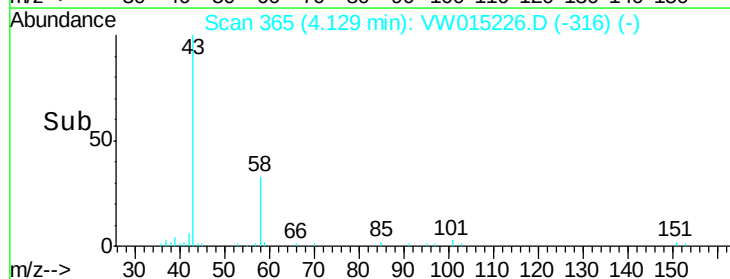
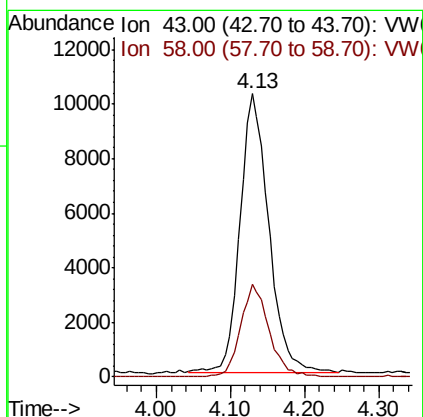
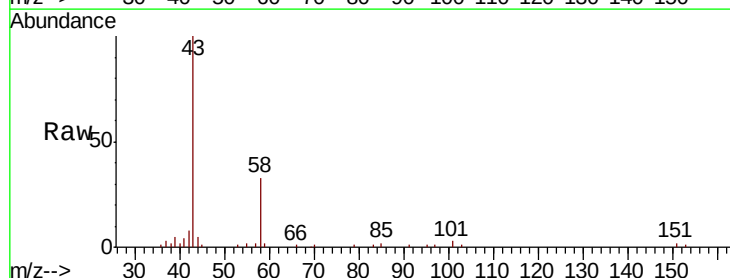
Acq: 20 Apr 2020 16:46

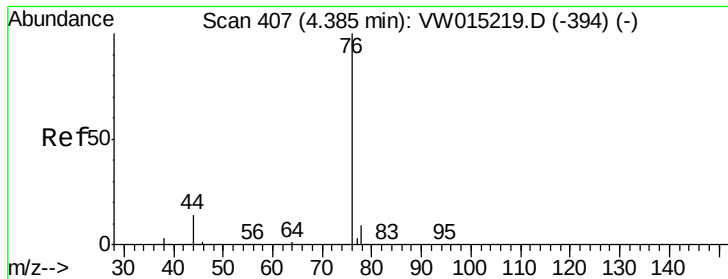
Tgt Ion: 43 Resp: 27439

Ion Ratio Lower Upper

43 100

58 33.4 27.0 40.4





#17

Carbon Disulfide

Concen: 20.893 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

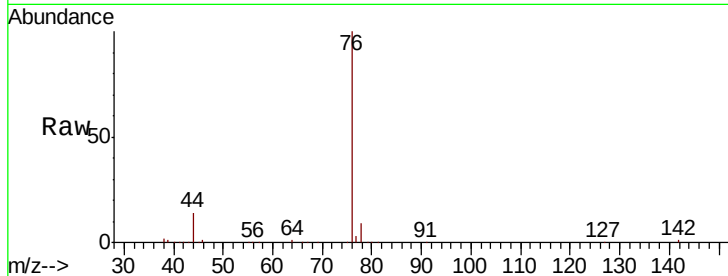
VW0420SBS01

Tot Ion: 76 Resp: 123075

Ion Ratio Lower Upper

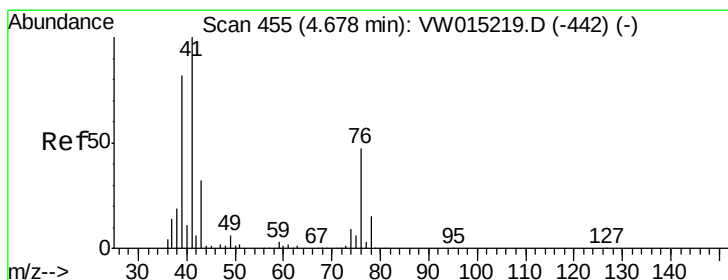
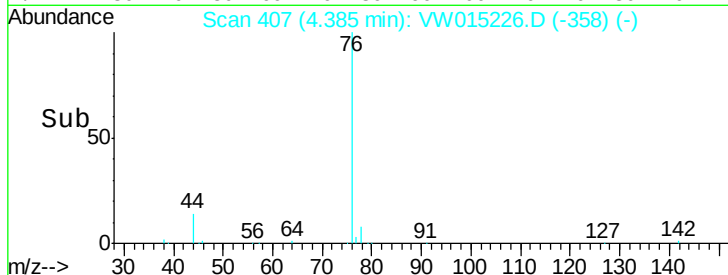
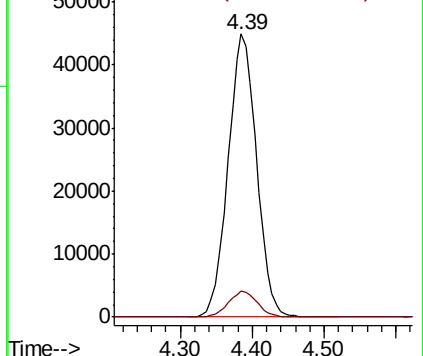
76 100

78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 20.163 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW015226.D

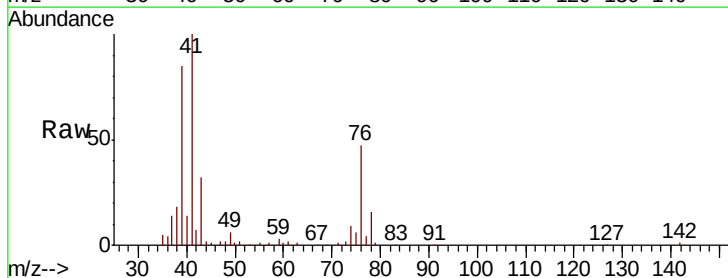
Acq: 20 Apr 2020 16:46

Tgt Ion: 43 Resp: 17716

Ion Ratio Lower Upper

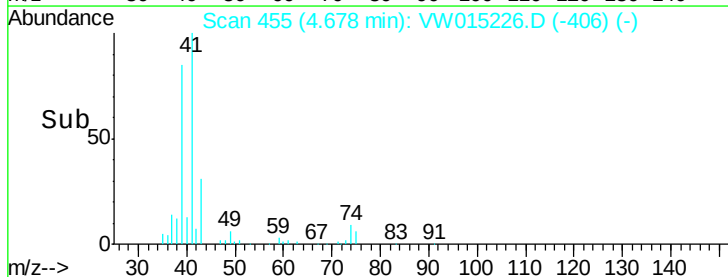
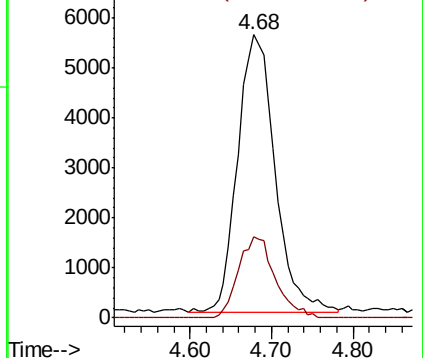
43 100

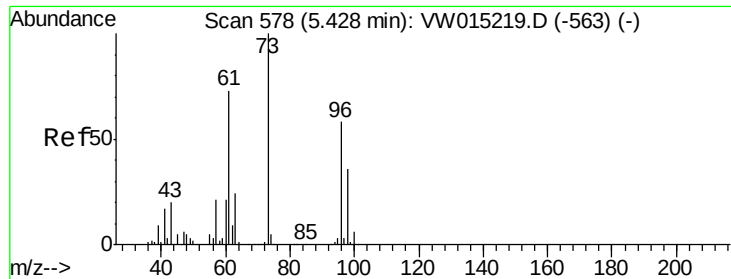
74 28.4 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

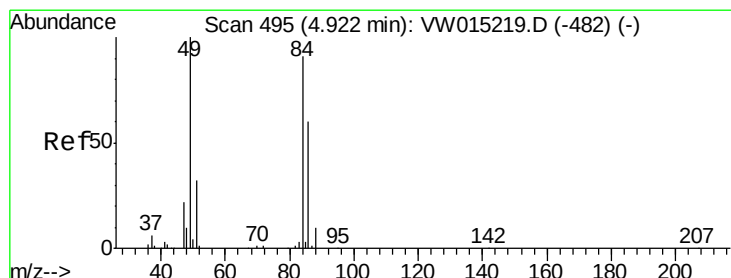
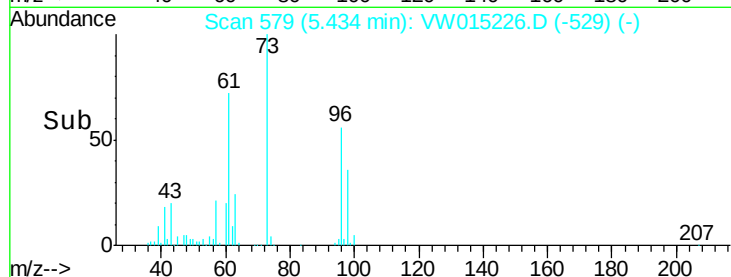
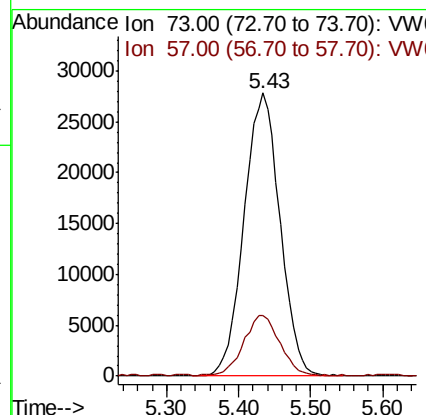
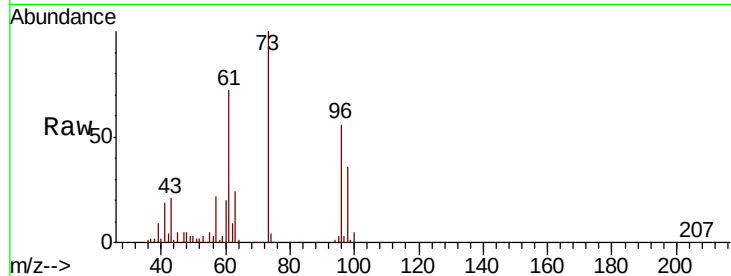




#19
Methyl tert-butyl Ether
Concen: 21.222 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

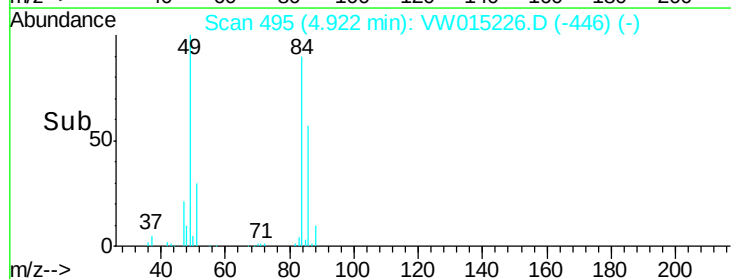
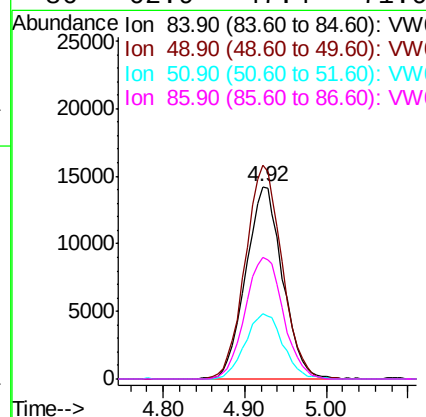
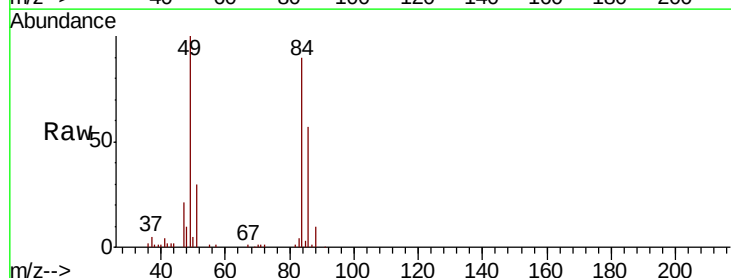
Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

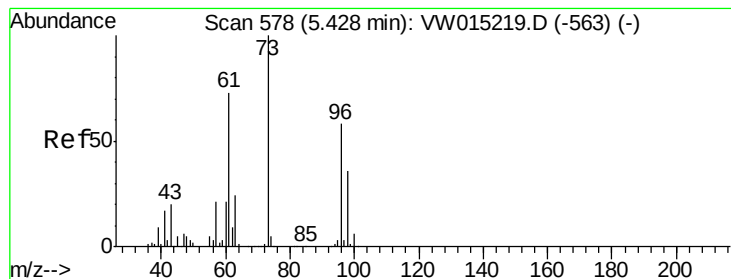
Tot Ion: 73 Resp: 96568
Ion Ratio Lower Upper
73 100
57 21.2 17.8 26.6



#20
Methylene Chloride
Concen: 20.515 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion: 84 Resp: 44629
Ion Ratio Lower Upper
84 100
49 111.0 95.4 143.0
51 33.9 29.8 44.8
86 62.9 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 20.978 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampled :

VW0420SBS01

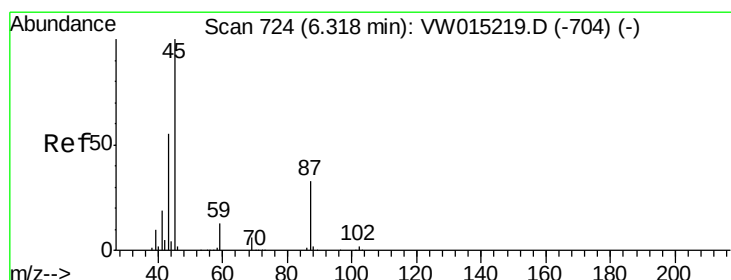
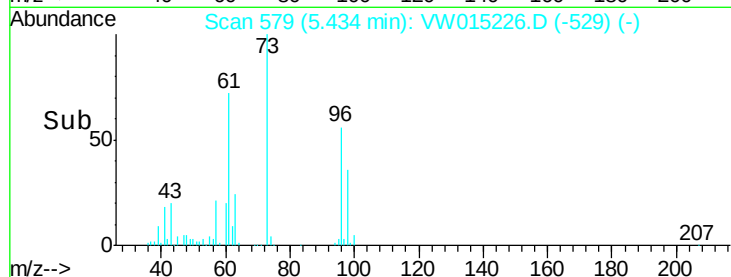
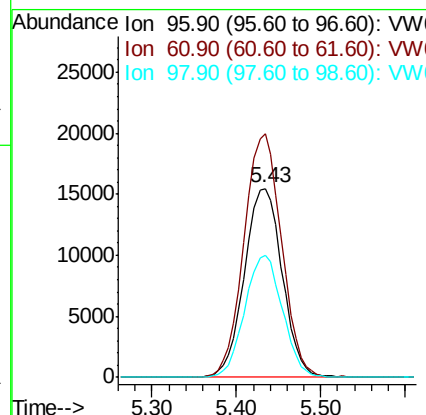
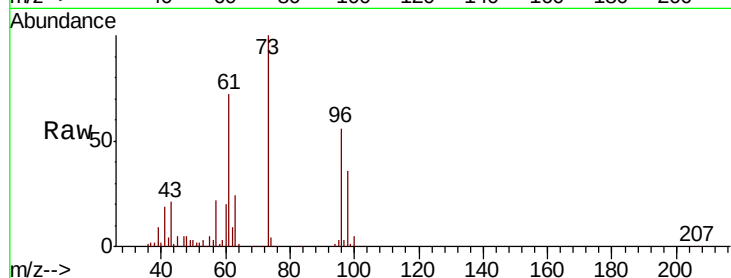
Tot Ion: 96 Resp: 47161

Ion Ratio Lower Upper

96 100

61 128.7 107.8 161.6

98 64.7 50.2 75.2



#22

Diisopropyl ether

Concen: 21.137 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Tgt Ion: 45 Resp: 106634

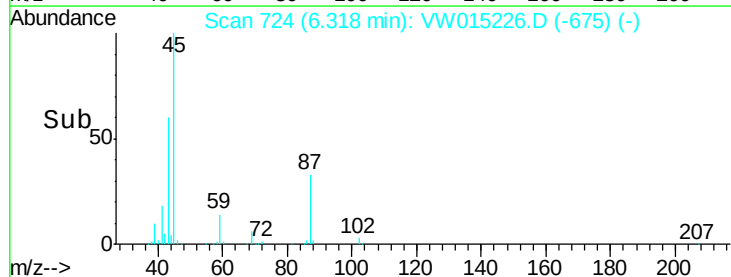
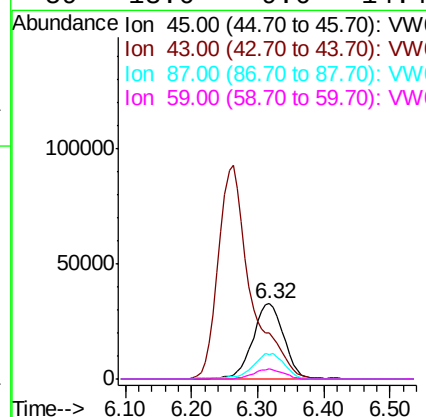
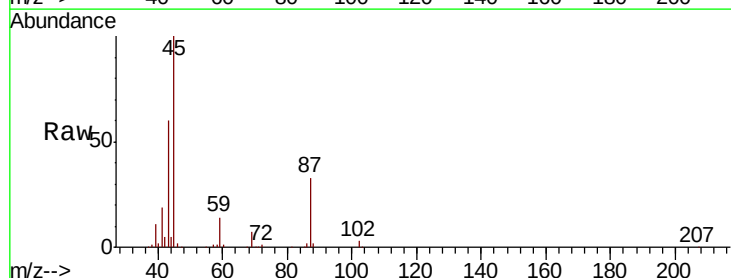
Ion Ratio Lower Upper

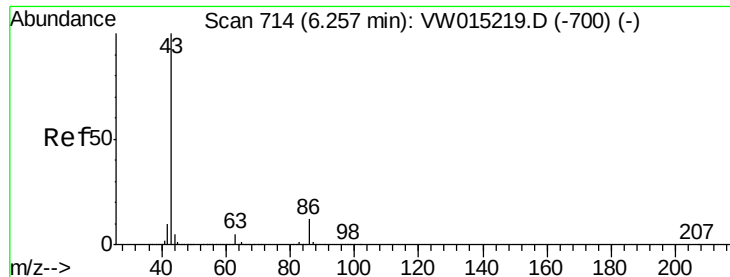
45 100

43 59.7 41.8 62.6

87 33.1 23.2 34.8

59 13.6 9.6 14.4





#23

Vinyl Acetate

Concen: 105.738 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

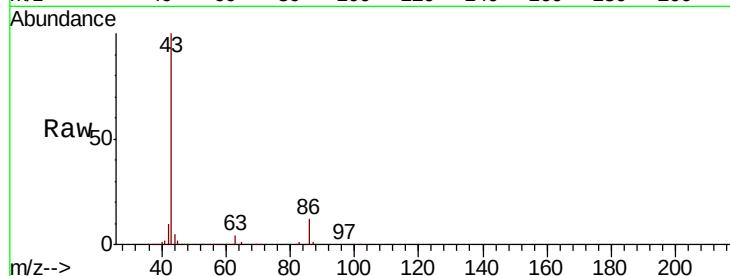
VW0420SBS01

Tot Ion: 43 Resp: 313028

Ion Ratio Lower Upper

43 100

86 12.4 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

100000

80000

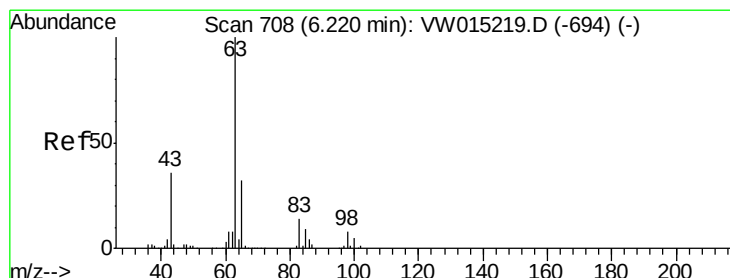
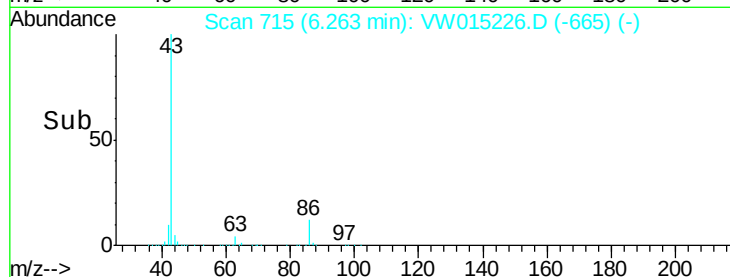
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.158 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

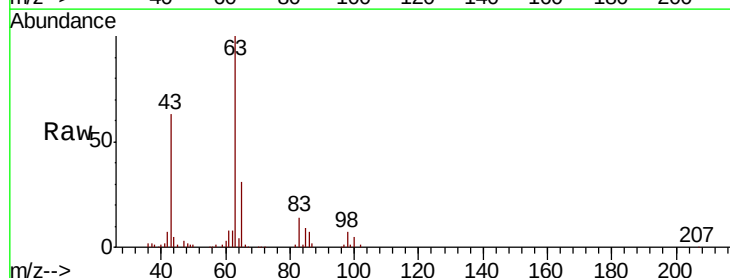
Tgt Ion: 63 Resp: 73975

Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

100 5.4 2.4 7.2



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

6.23

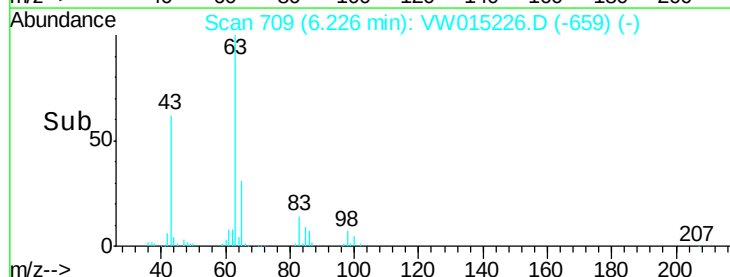
30000

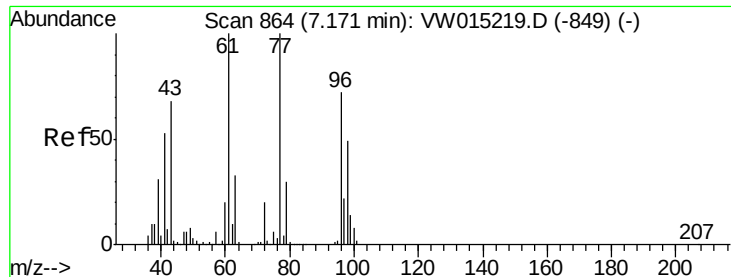
20000

10000

0

Time-->

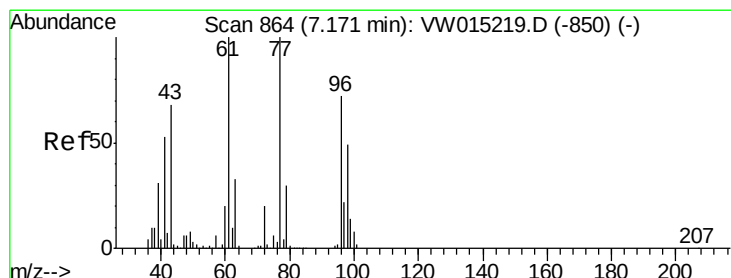
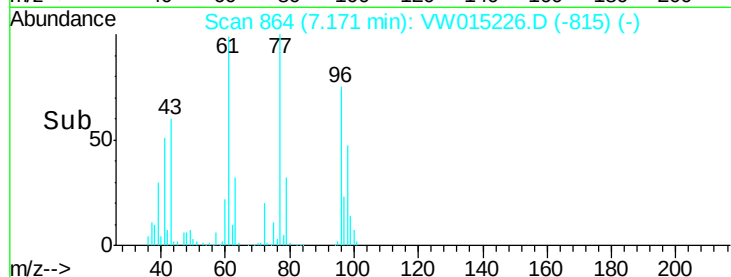
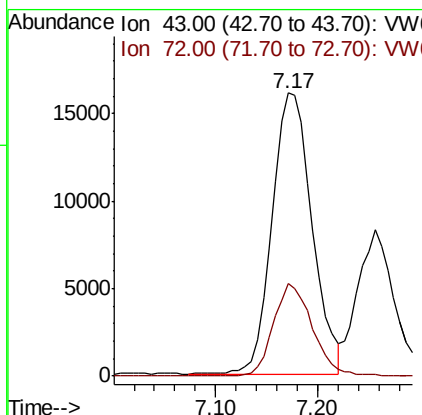
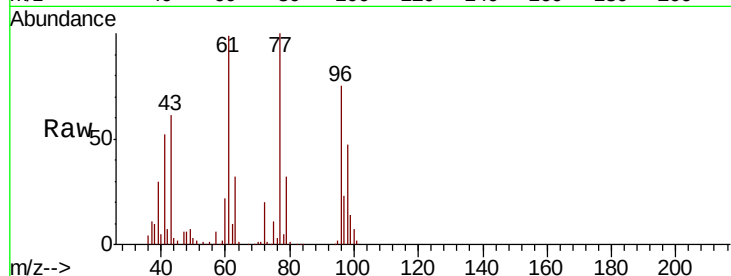




#25
2-Butanone
Concen: 98.744 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

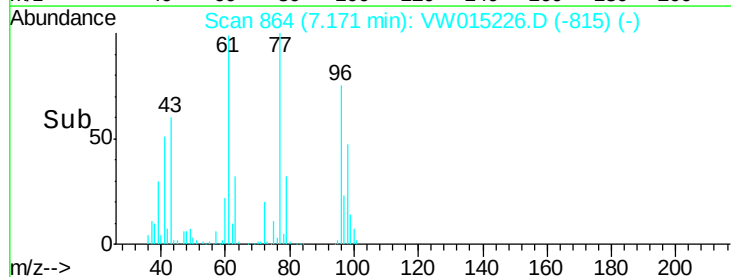
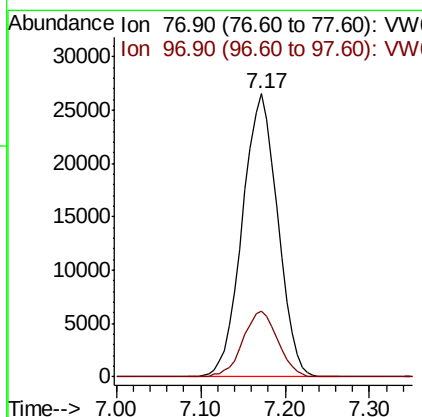
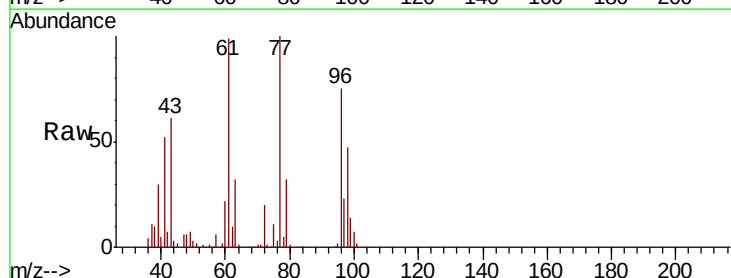
Instrument :
MSVOA_W
ClientSampled :
VW0420SBS01

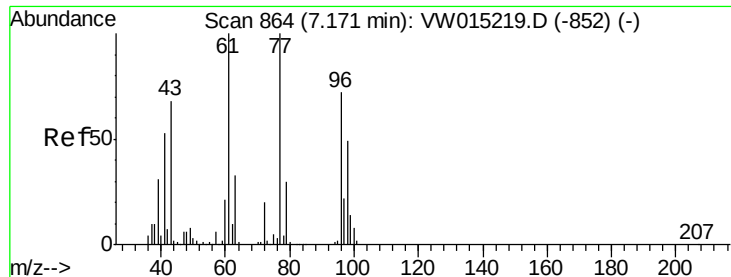
Tot Ion: 43 Resp: 43486
Ion Ratio Lower Upper
43 100
72 33.2 21.6 32.4#



#26
2,2-Dichloropropane
Concen: 20.519 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion: 77 Resp: 75472
Ion Ratio Lower Upper
77 100
97 23.0 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 21.283 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

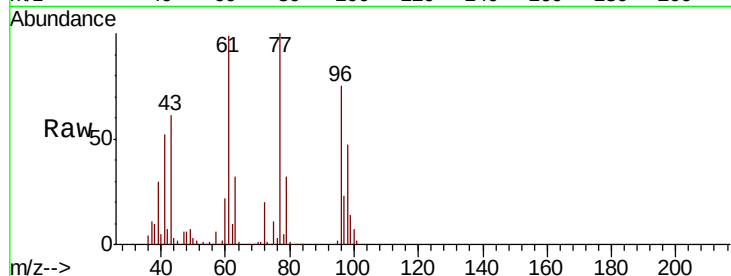
Tot Ion: 96 Resp: 51656

Ion Ratio Lower Upper

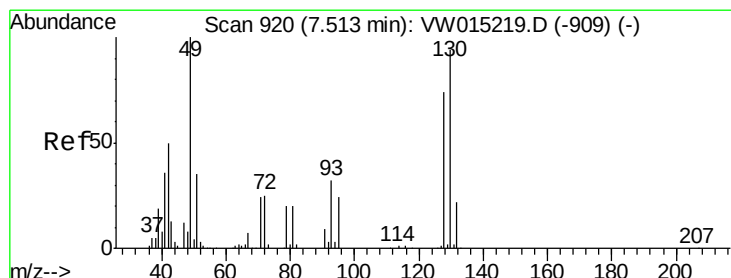
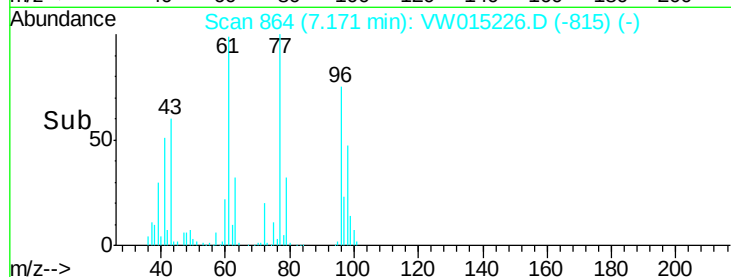
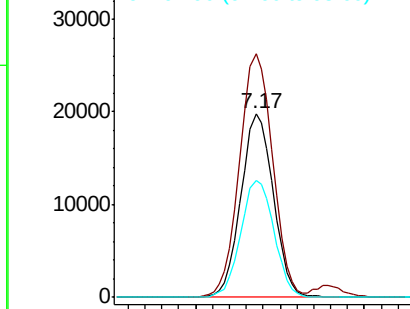
96 100

61 136.1 0.0 275.0

98 65.1 0.0 130.8



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



#28

Bromochloromethane

Concen: 20.988 ug/l

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

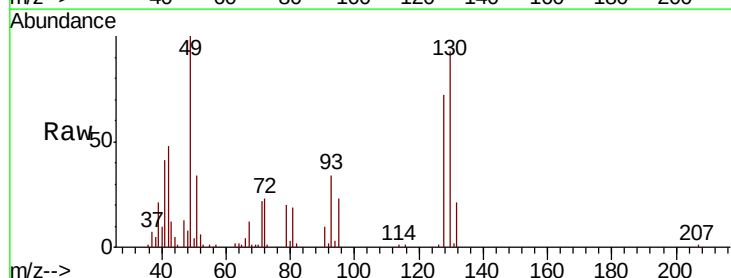
Tgt Ion: 49 Resp: 26680

Ion Ratio Lower Upper

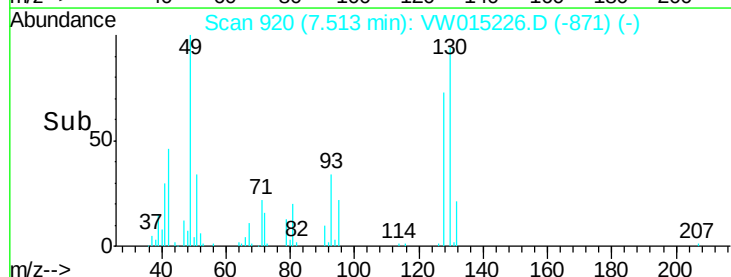
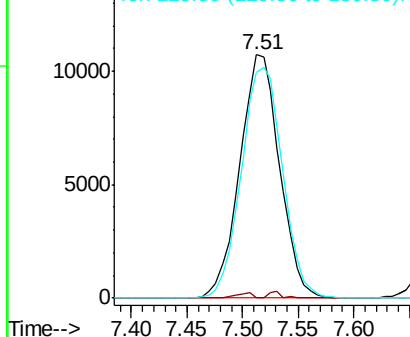
49 100

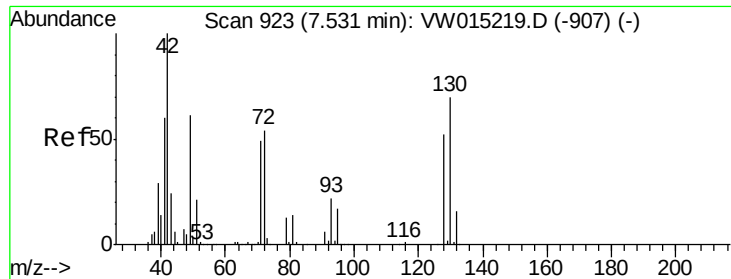
129 0.9 0.0 4.6

130 98.4 60.9 91.3#



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

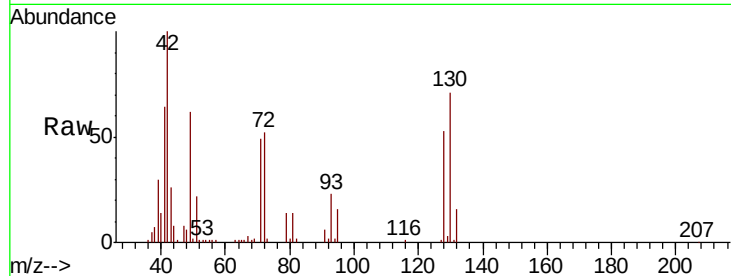




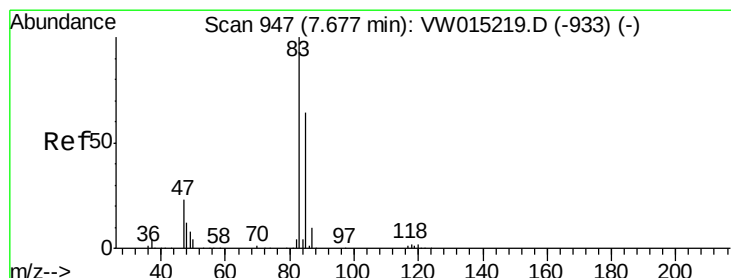
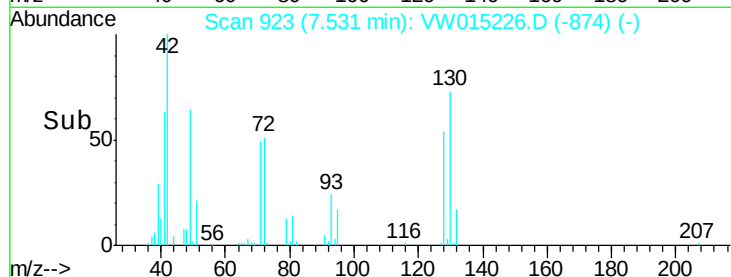
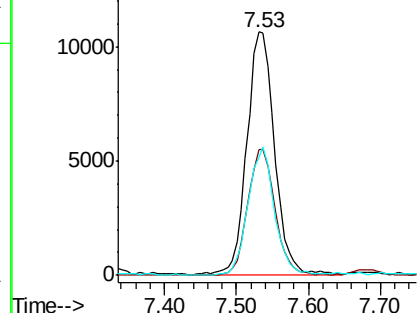
#29
Tetrahydrofuran
Concen: 104.654 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion: 42 Resp: 28714
Ion Ratio Lower Upper
42 100
72 50.5 36.2 54.2
71 50.1 34.2 51.4

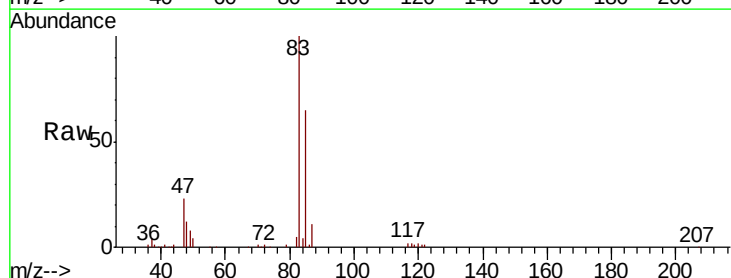


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

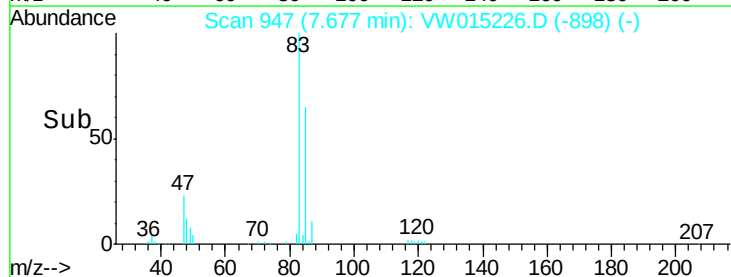
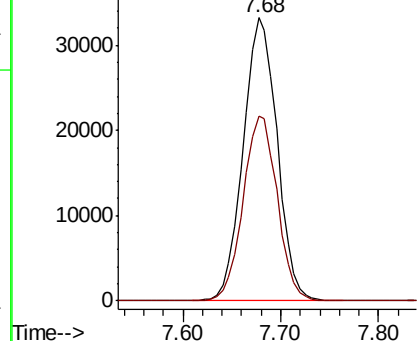


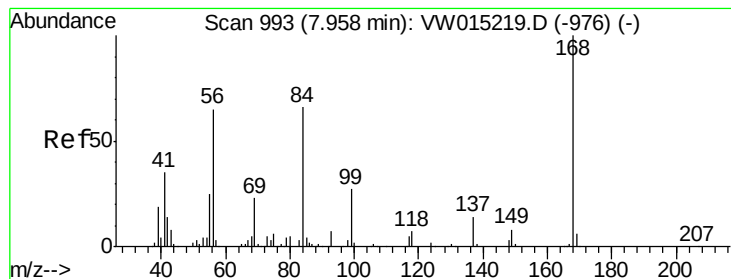
#30
Chloroform
Concen: 21.279 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion: 83 Resp: 80296
Ion Ratio Lower Upper
83 100
85 65.1 50.9 76.3



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





#31

Cyclohexane

Concen: 21.142 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

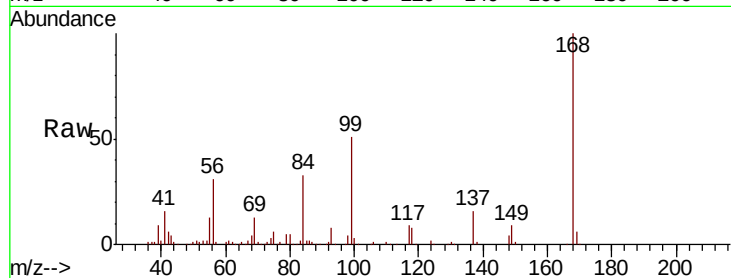
Tot Ion: 56 Resp: 74302

Ion Ratio Lower Upper

56 100

69 41.3 27.1 40.7#

84 104.6 71.9 107.9

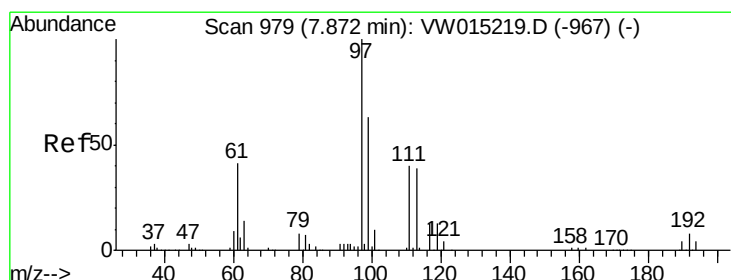
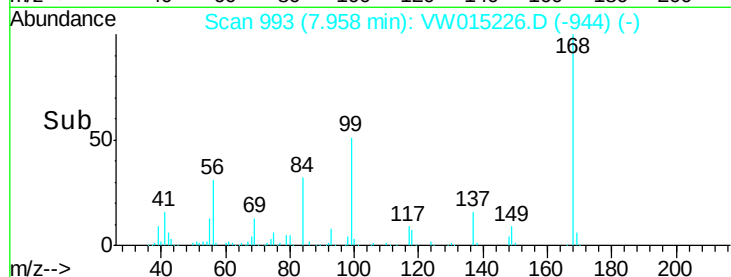
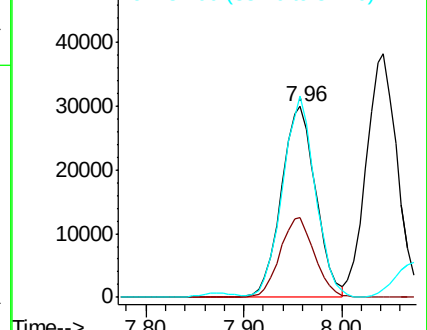


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 21.248 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

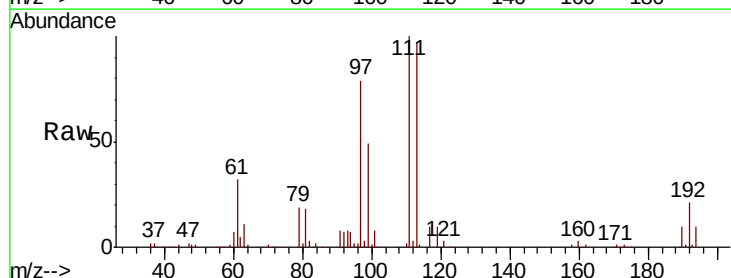
Tgt Ion: 97 Resp: 77383

Ion Ratio Lower Upper

97 100

99 64.4 52.2 78.2

61 42.6 34.2 51.2

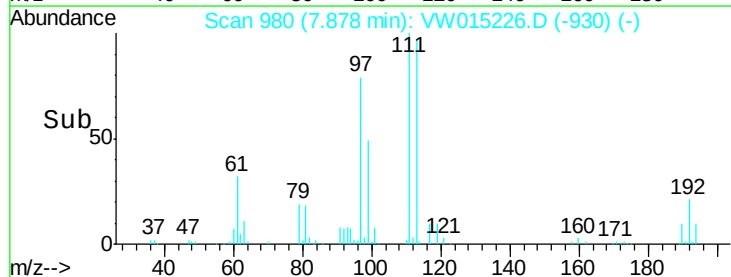
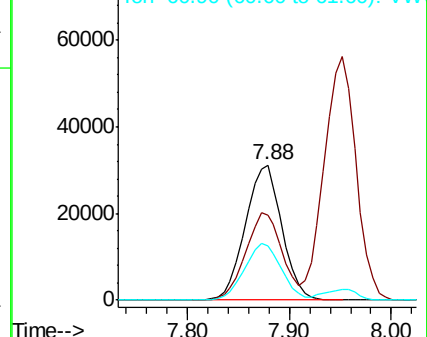


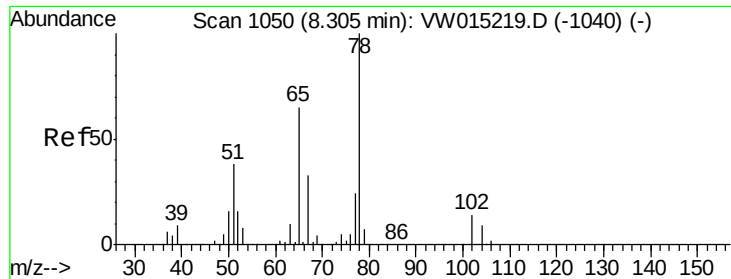
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW

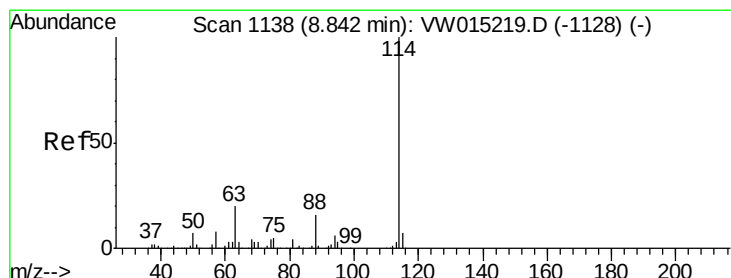
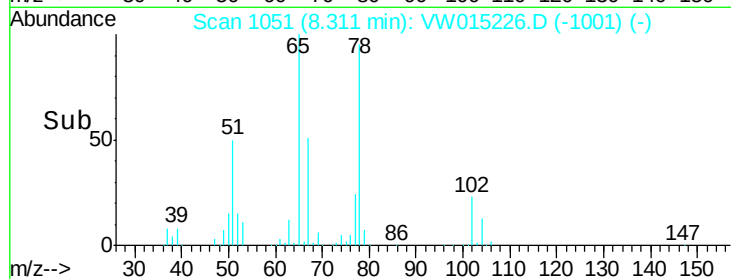
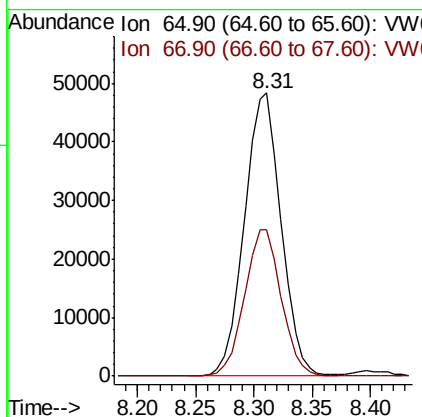
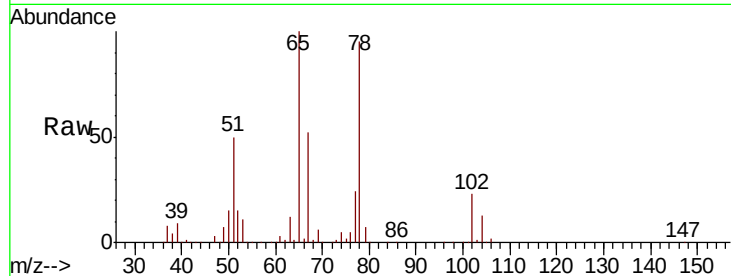




#33
 1,2-Dichloroethane-d4
 Concen: 55.821 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

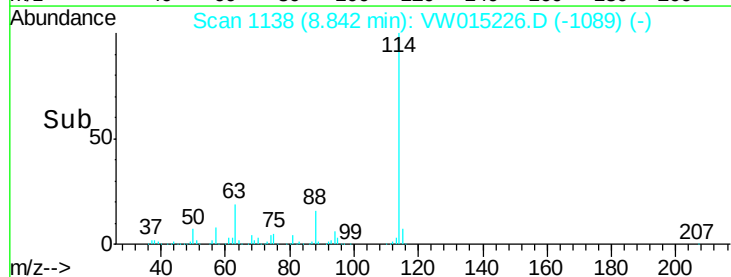
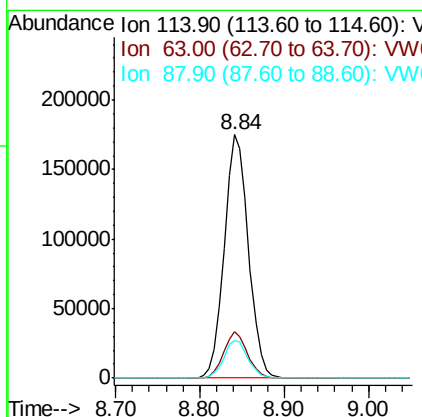
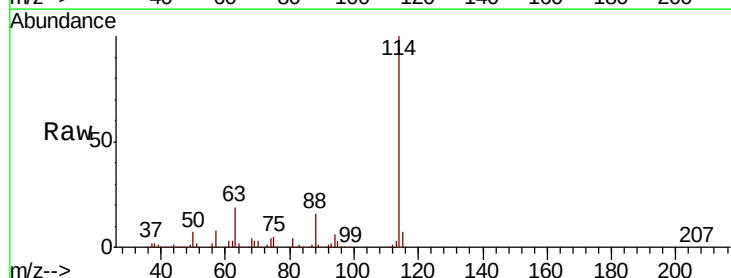
Instrument :
 MSVOA_W
 ClientSampled :
 VW0420SBS01

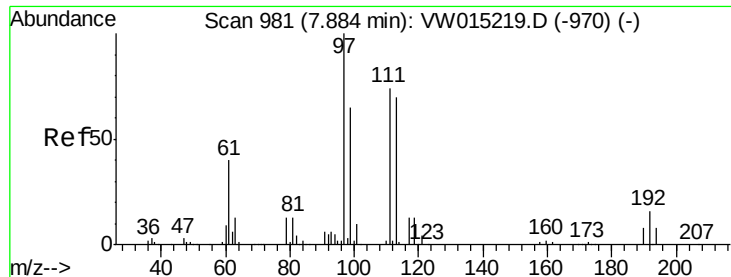
Tot Ion: 65 Resp: 106086
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Tgt Ion: 114 Resp: 342344
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.8
 88 15.6 0.0 30.2





#35

Dibromofluoromethane

Concen: 55.392 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

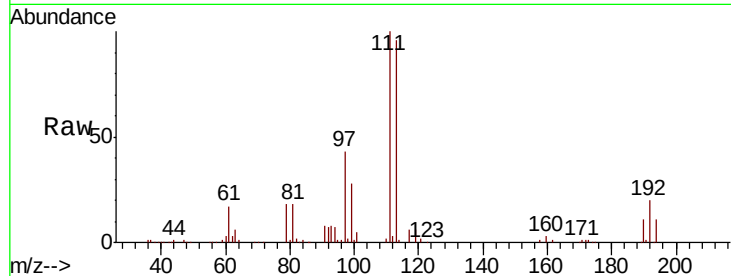
Tot Ion:113 Resp: 105040

Ion Ratio Lower Upper

113 100

111 102.9 83.0 124.4

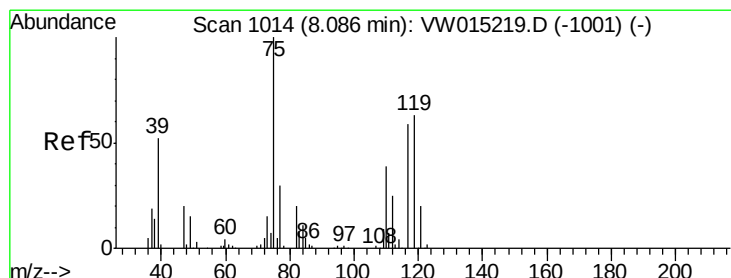
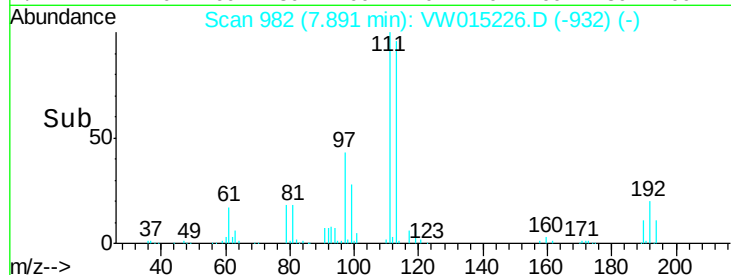
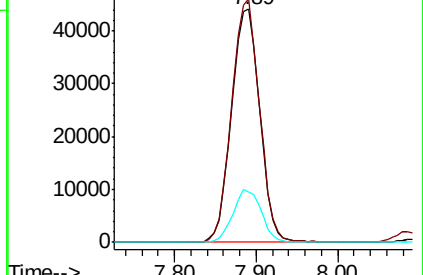
192 22.5 15.1 22.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.031 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

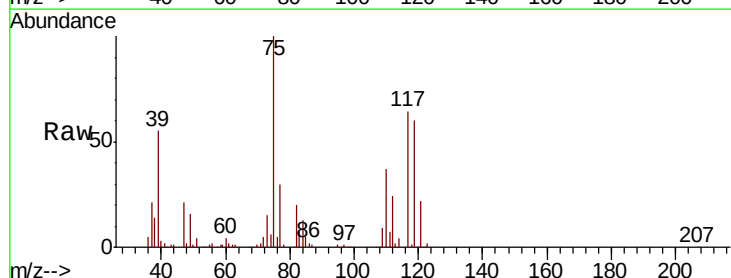
Tgt Ion: 75 Resp: 64983

Ion Ratio Lower Upper

75 100

110 37.2 18.2 54.6

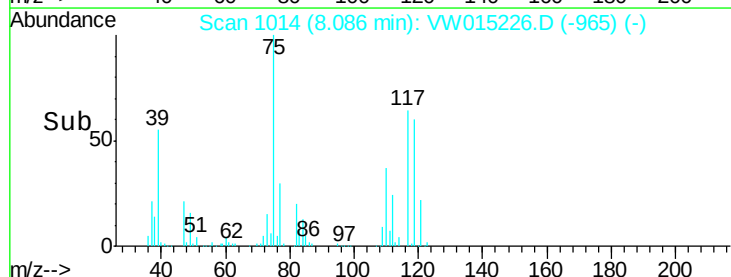
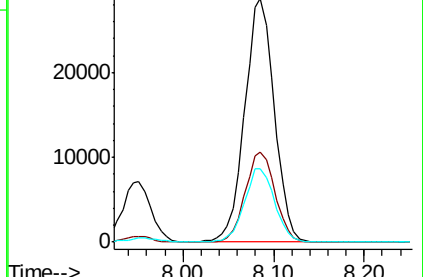
77 30.8 24.5 36.7

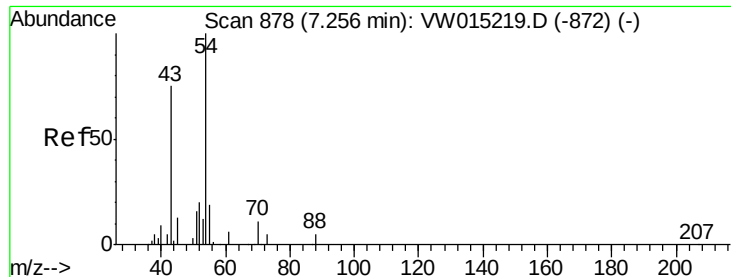


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 20.689 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

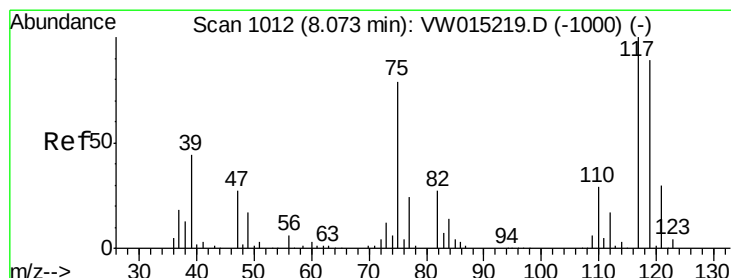
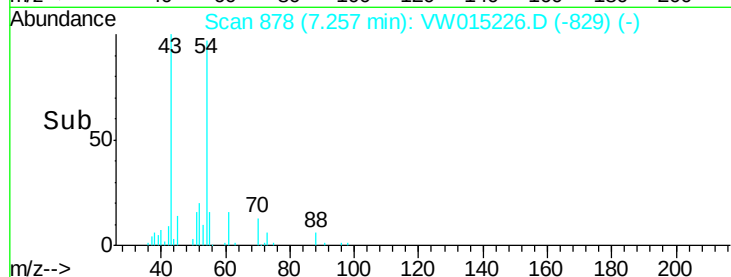
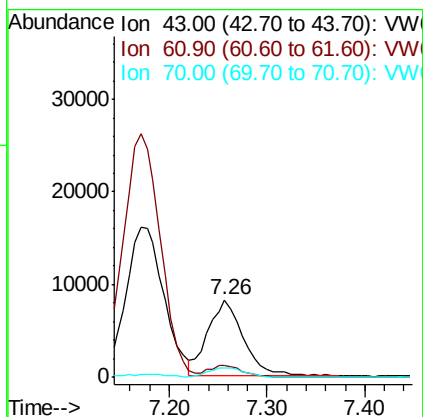
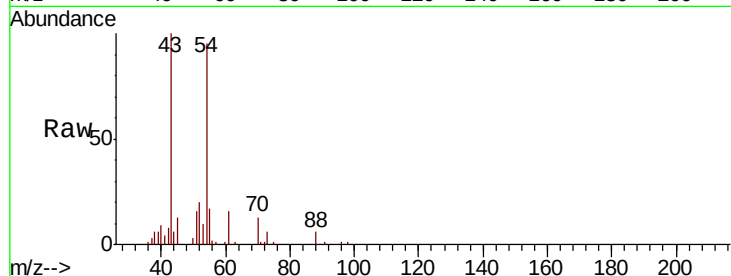
Tot Ion: 43 Resp: 20747

Ion Ratio Lower Upper

43 100

61 14.7 11.9 17.9

70 13.3 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 20.643 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

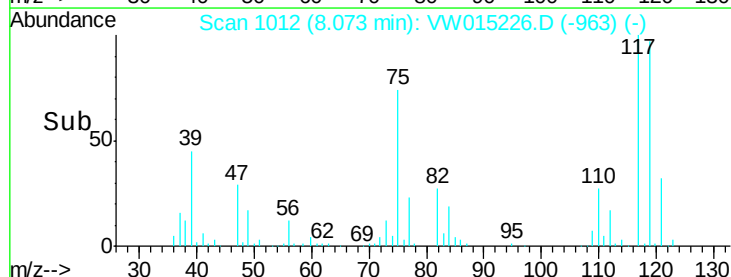
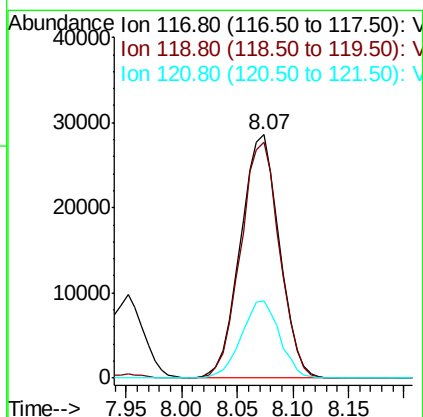
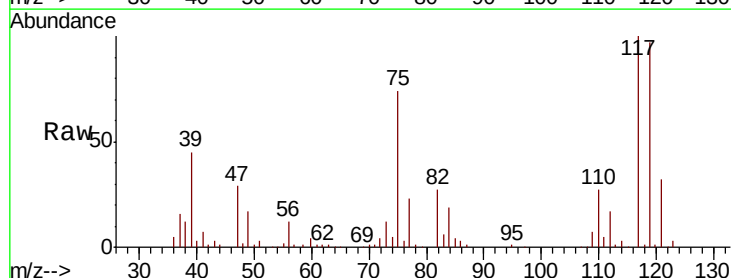
Tgt Ion: 117 Resp: 69703

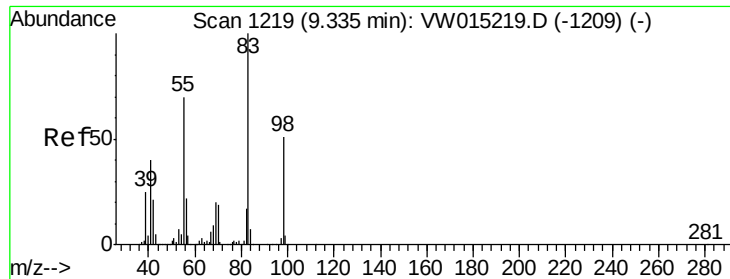
Ion Ratio Lower Upper

117 100

119 97.0 72.3 108.5

121 31.6 23.7 35.5

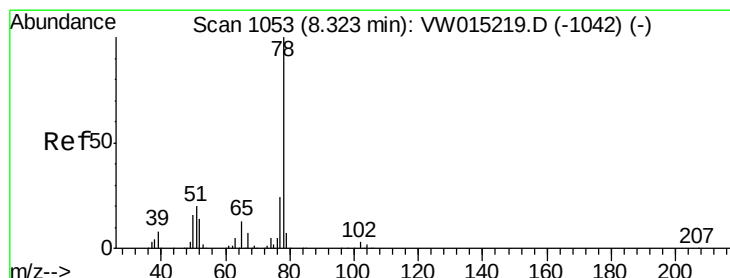
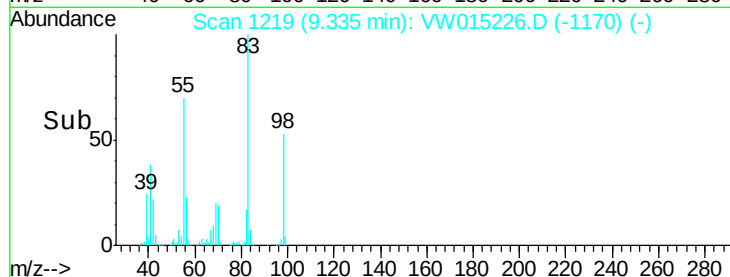
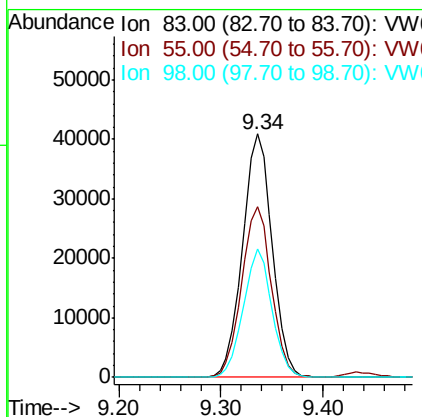
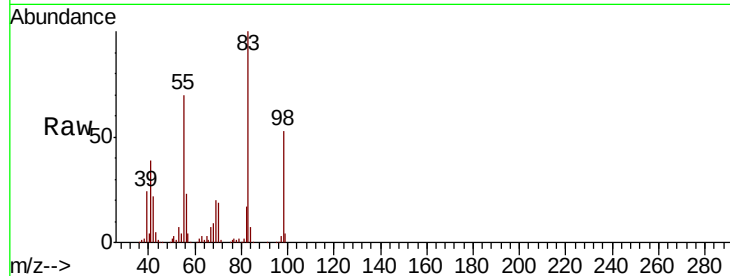




#39
Methylvlcyclohexane
Concen: 20.104 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

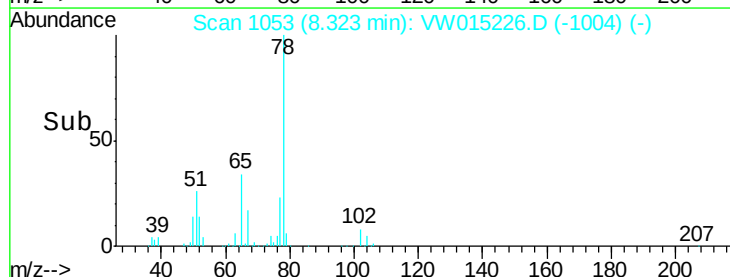
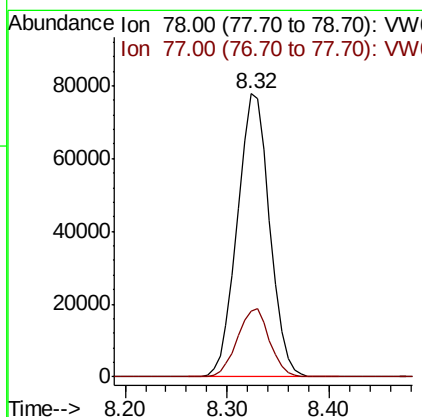
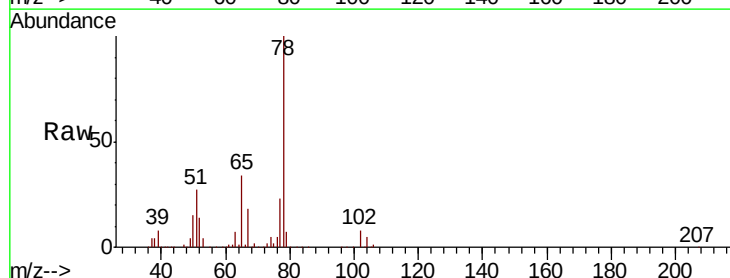
Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

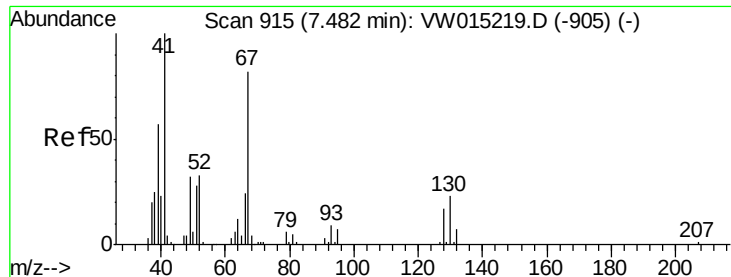
Tot Ion: 83 Resp: 82681
Ion Ratio Lower Upper
83 100
55 69.7 58.1 87.1
98 52.8 40.2 60.4



#40
Benzene
Concen: 20.755 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion: 78 Resp: 171309
Ion Ratio Lower Upper
78 100
77 23.2 18.2 27.2

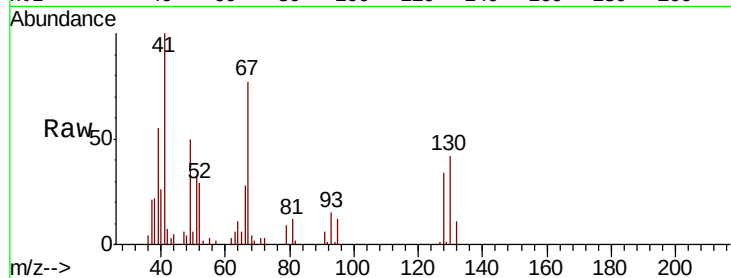




#41
Methacrylonitrile
Concen: 20.599 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion:	41	Resp:	12394
Ion	Ratio	Lower	Upper
41	100		
39	55.7	41.9	62.9
67	82.7	60.6	91.0
52	33.8	23.8	35.8



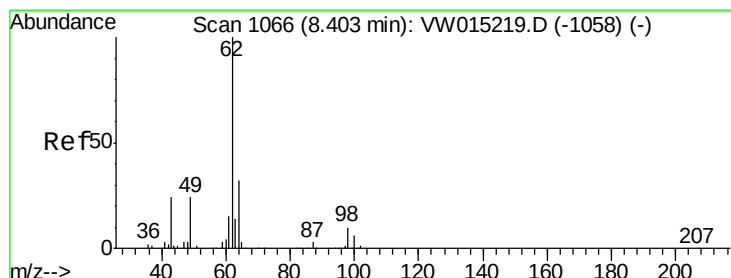
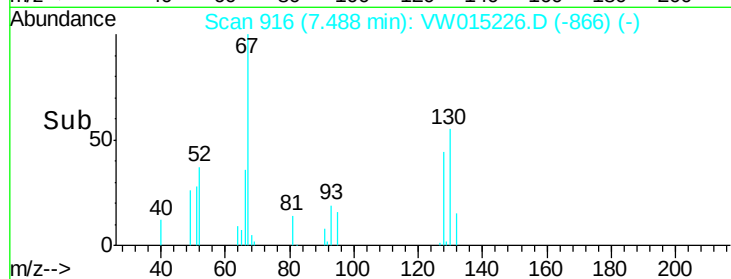
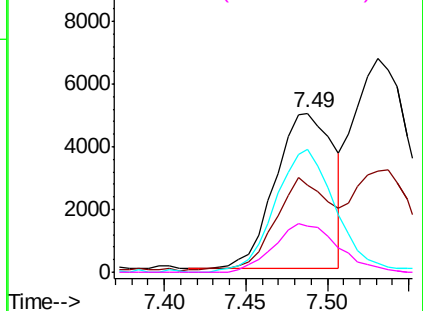
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

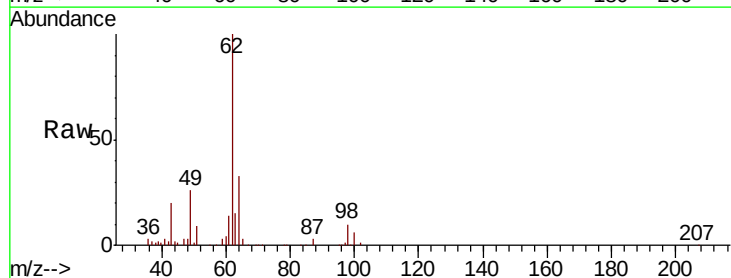
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 20.632 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

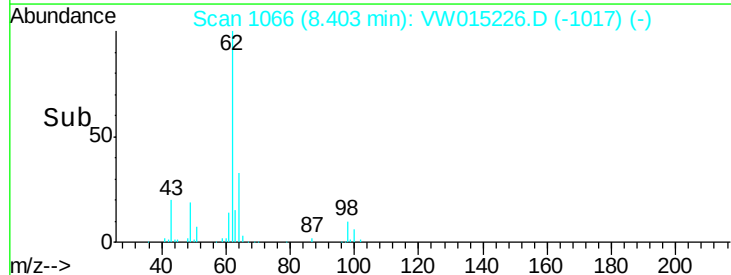
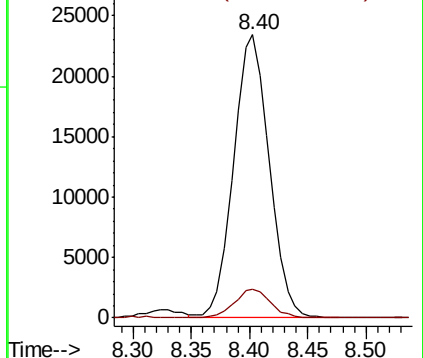
Tgt Ion:	62	Resp:	50132
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.4

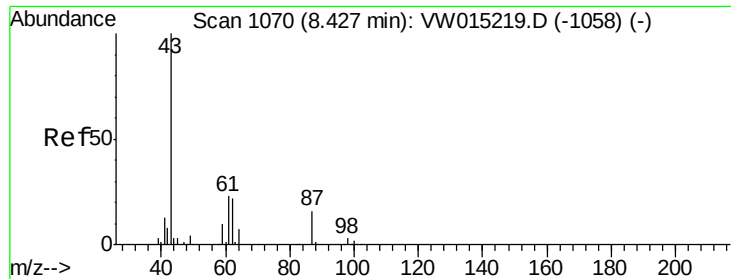


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.459 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampled :

VW0420SBS01

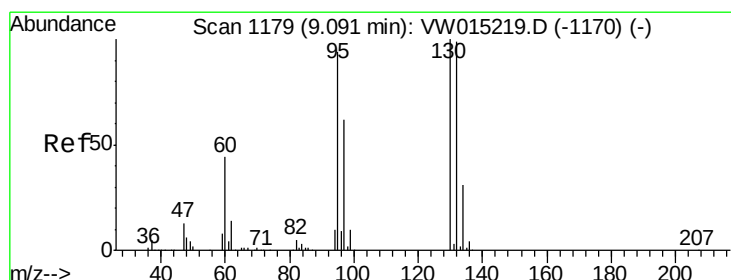
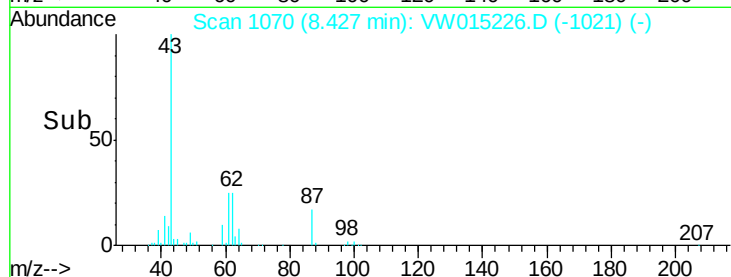
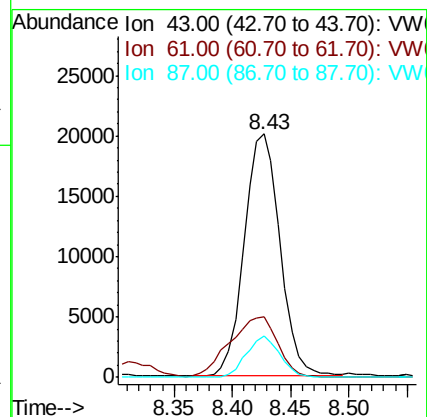
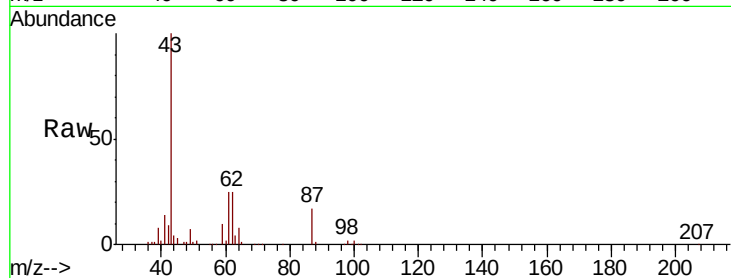
Tot Ion: 43 Resp: 43030

Ion Ratio Lower Upper

43 100

61 33.6 24.8 37.2

87 16.2 11.4 17.2



#44

Trichloroethene

Concen: 20.841 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW015226.D

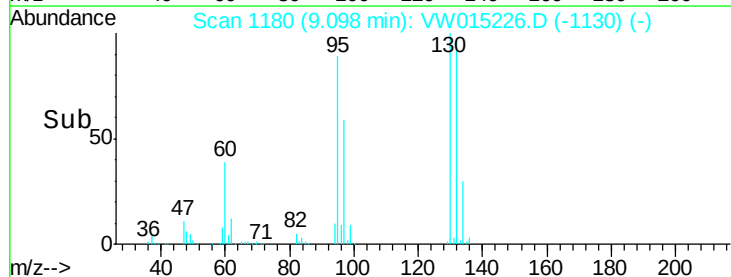
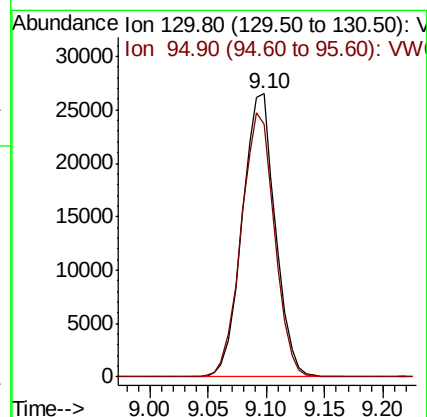
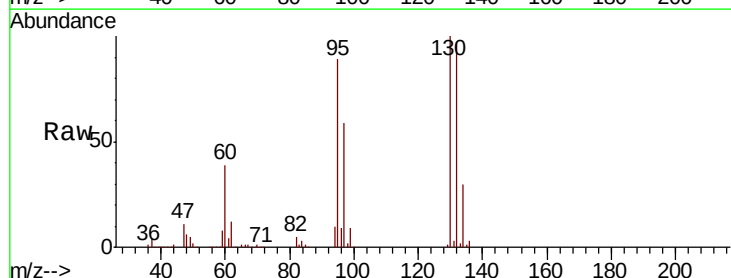
Acq: 20 Apr 2020 16:46

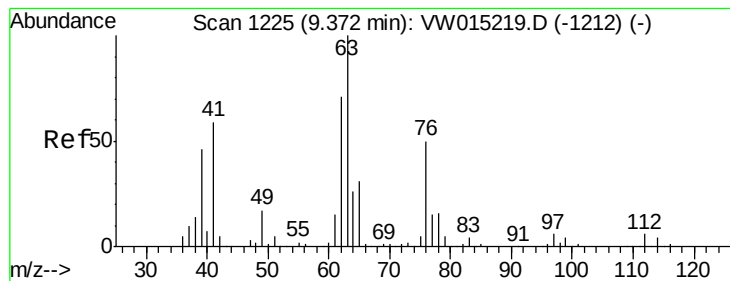
Tgt Ion: 130 Resp: 52618

Ion Ratio Lower Upper

130 100

95 89.0 0.0 196.4





#45

1,2-Dichloropropane

Concen: 20.906 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

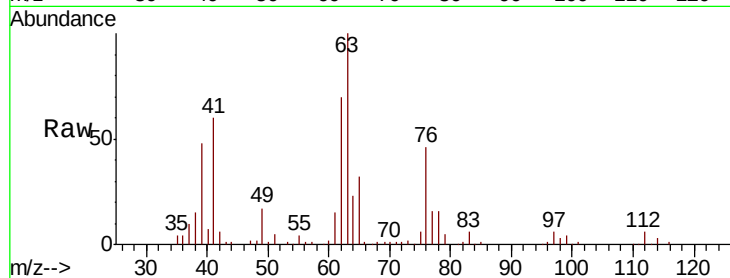
VW0420SBS01

Tot Ion: 63 Resp: 40127

Ion Ratio Lower Upper

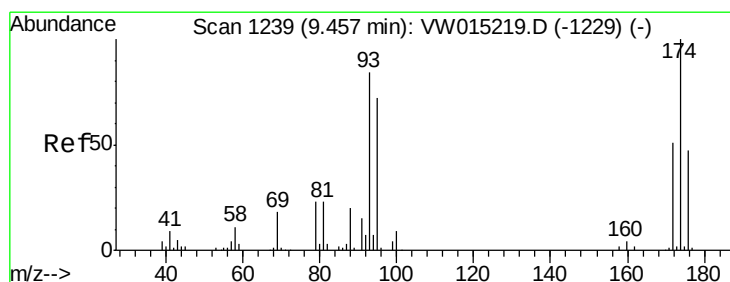
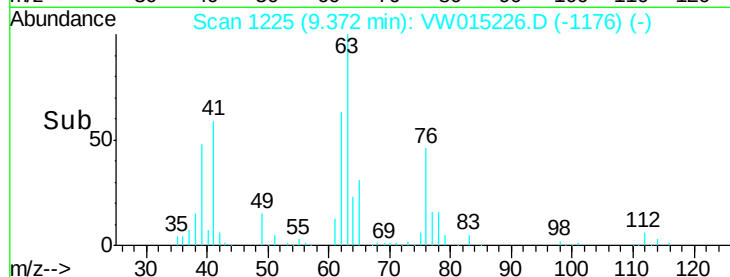
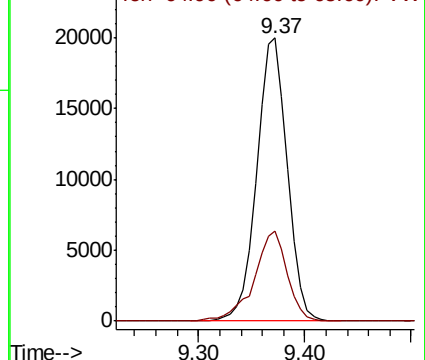
63 100

65 32.0 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.691 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

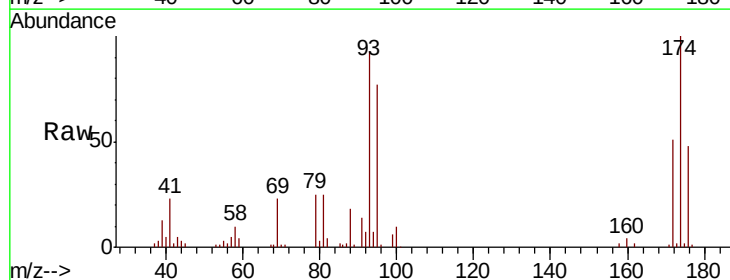
Tgt Ion: 93 Resp: 22974

Ion Ratio Lower Upper

93 100

95 82.4 67.5 101.3

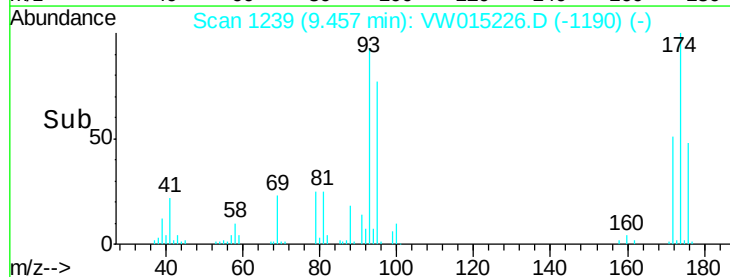
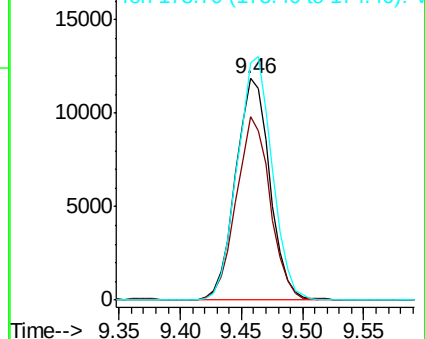
174 111.7 74.1 111.1#

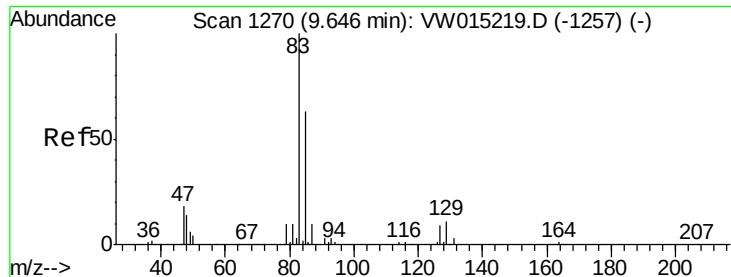


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

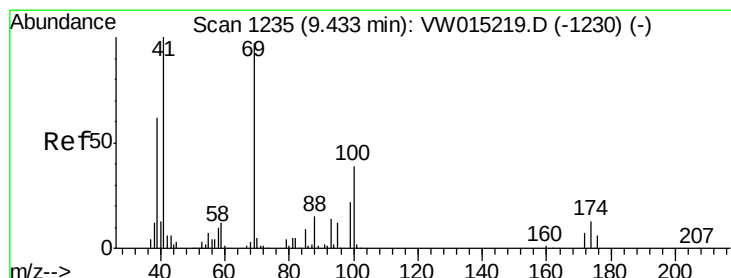
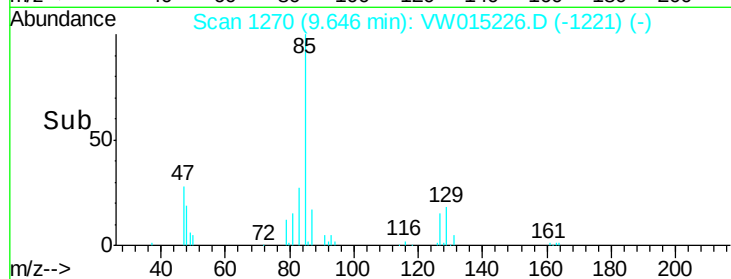
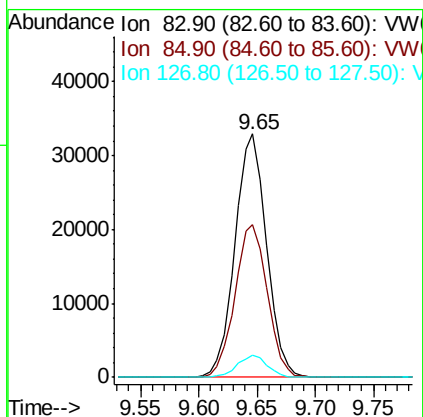
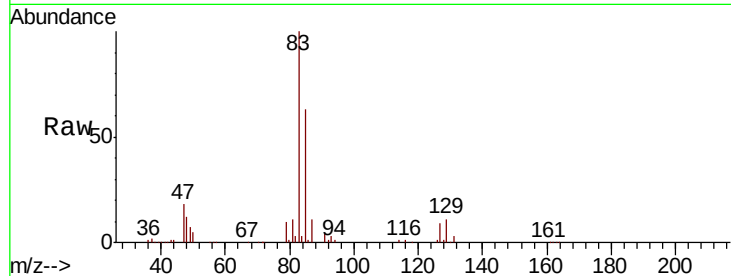




#47
Bromodichloromethane
Concen: 20.931 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

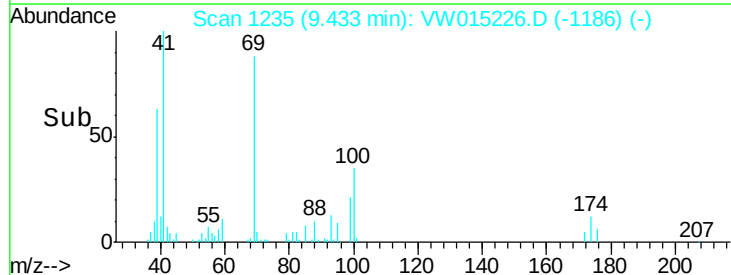
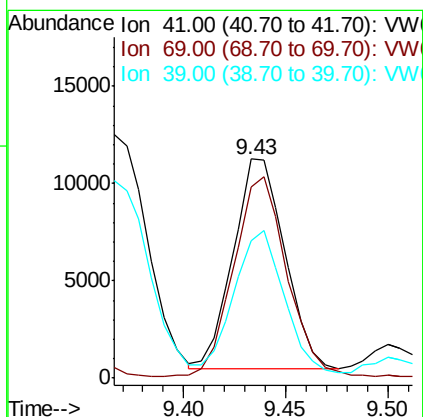
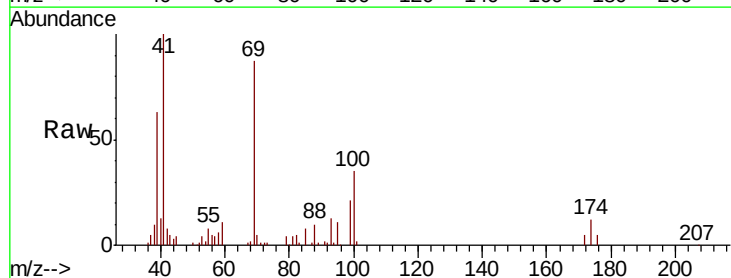
Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

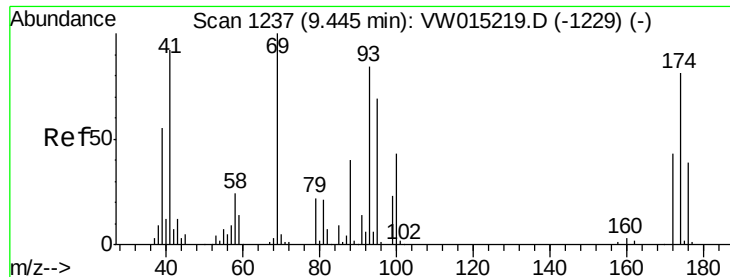
Tot Ion	83	Resp	62128
Ion Ratio	100		
85	62.6	50.6	76.0
127	9.2	6.7	10.1



#48
Methyl methacrylate
Concen: 19.163 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion	41	Resp	19053
Ion Ratio	100		
69	102.2	70.6	105.8
39	65.0	42.6	64.0#





#49

1,4-Dioxane

Concen: 348.268 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

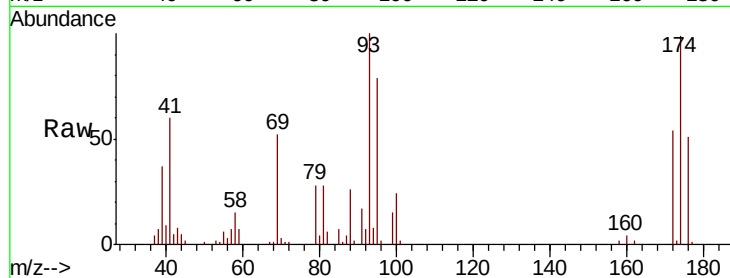
Tot Ion: 88 Resp: 5155

Ion Ratio Lower Upper

88 100

43 27.4 23.5 35.3

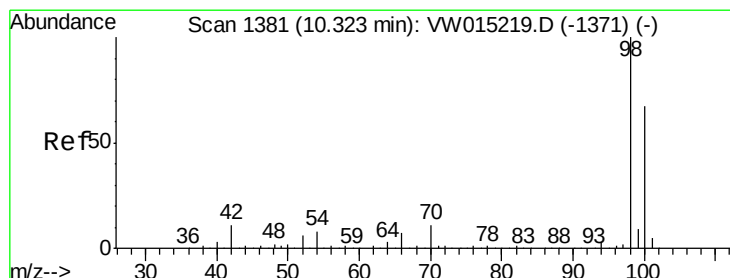
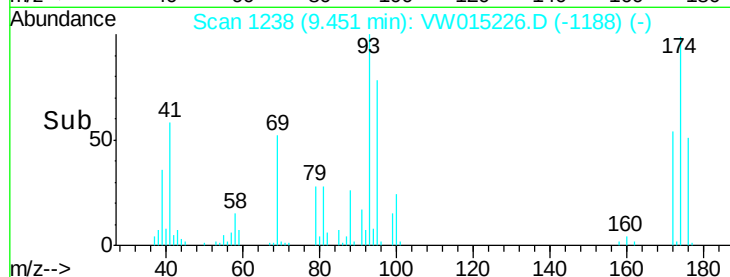
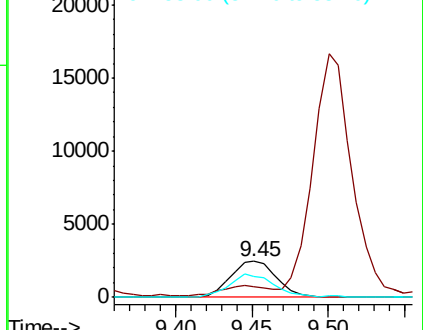
58 63.0 55.4 83.2



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: 52.435 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015226.D

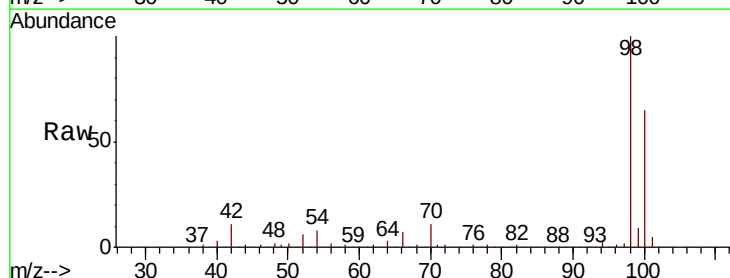
Acq: 20 Apr 2020 16:46

Tgt Ion: 98 Resp: 418284

Ion Ratio Lower Upper

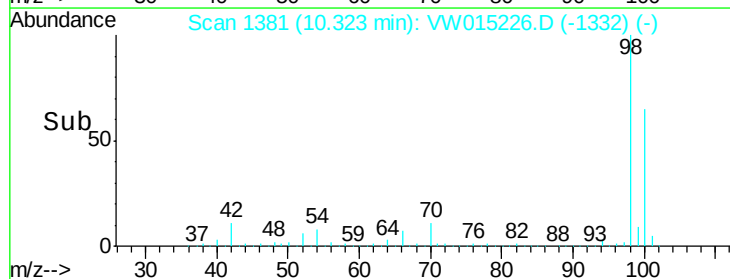
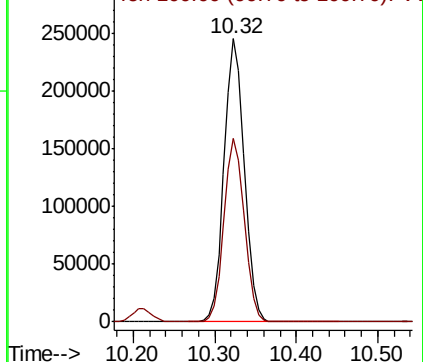
98 100

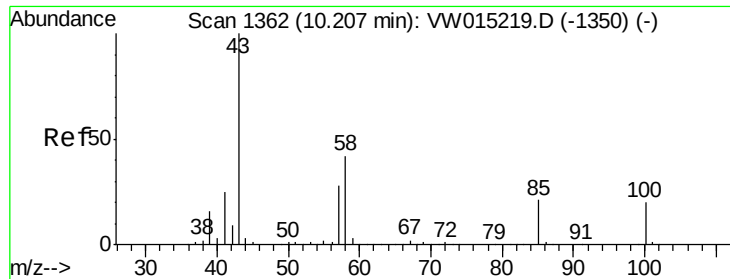
100 65.5 52.9 79.3



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: 100.734 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

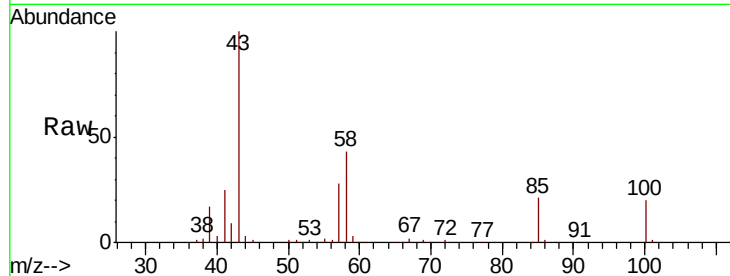
VW0420SBS01

Tot Ion: 43 Resp: 99454

Ion Ratio Lower Upper

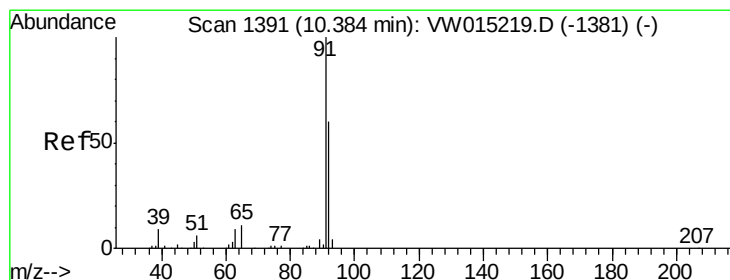
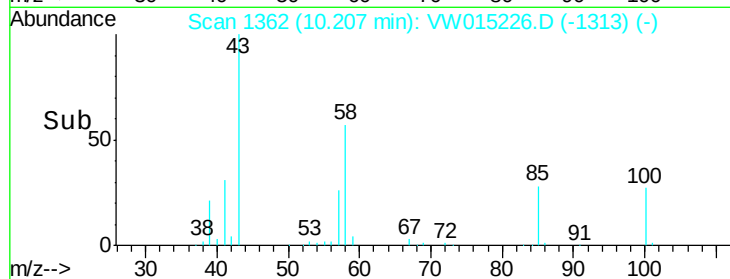
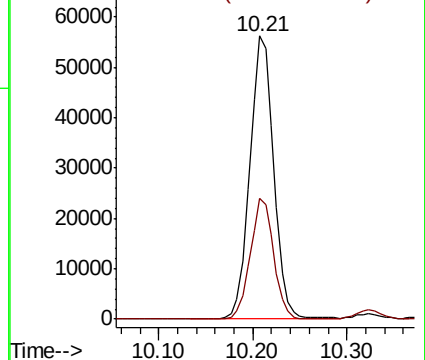
43 100

58 41.8 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 19.978 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW015226.D

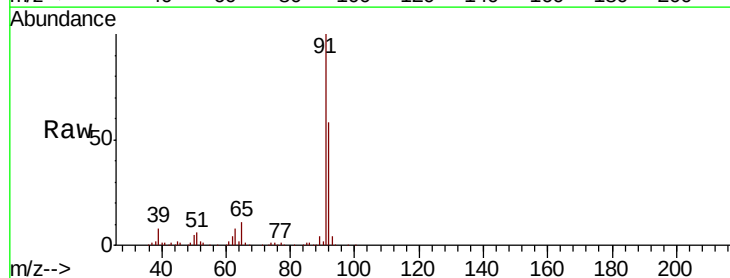
Acq: 20 Apr 2020 16:46

Tgt Ion: 92 Resp: 115403

Ion Ratio Lower Upper

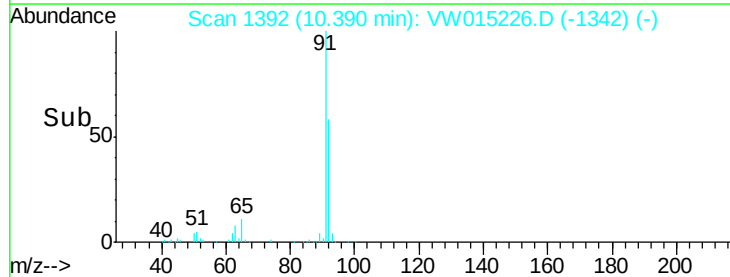
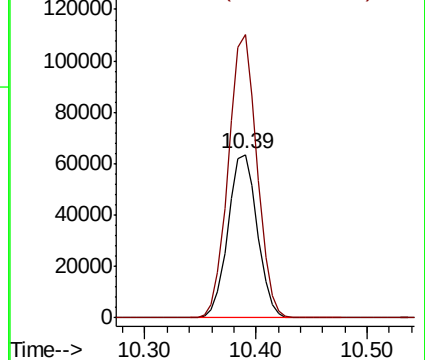
92 100

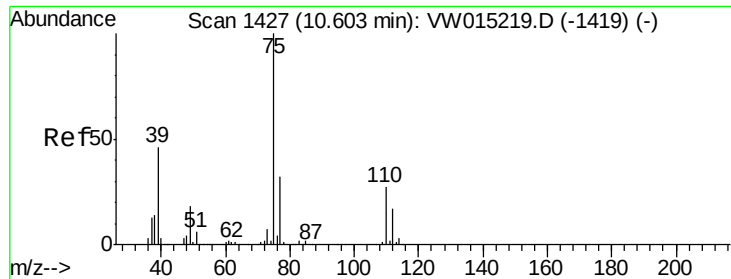
91 169.8 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 20.200 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

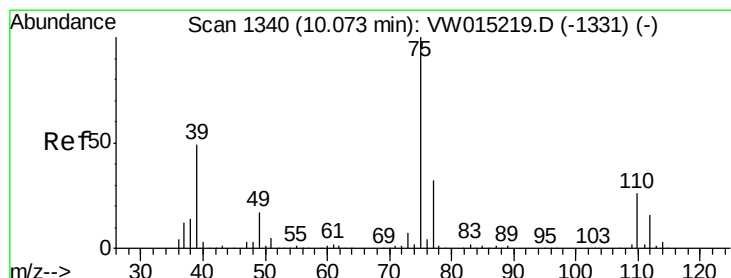
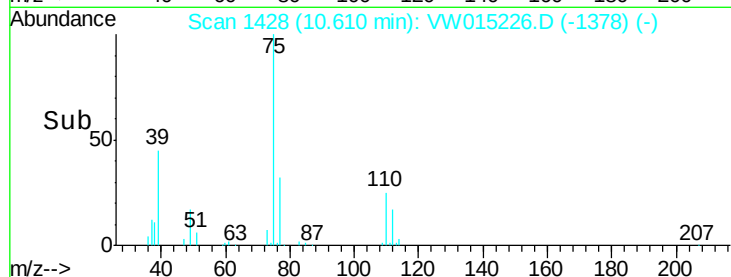
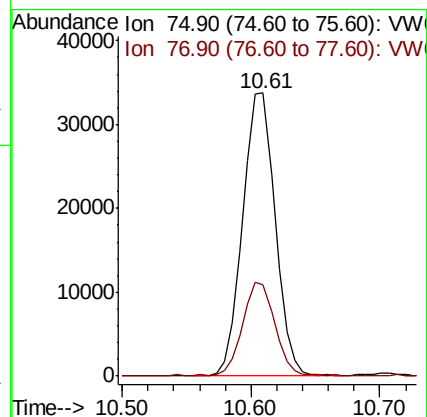
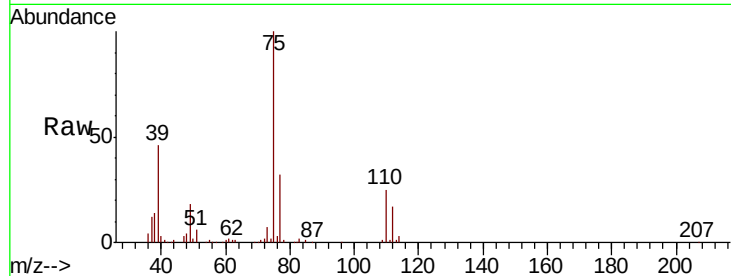
VW0420SBS01

Tot Ion: 75 Resp: 59120

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.780 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

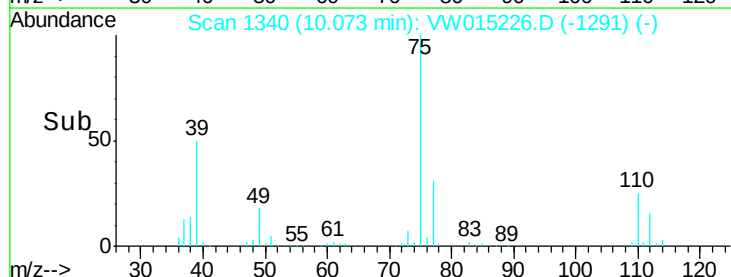
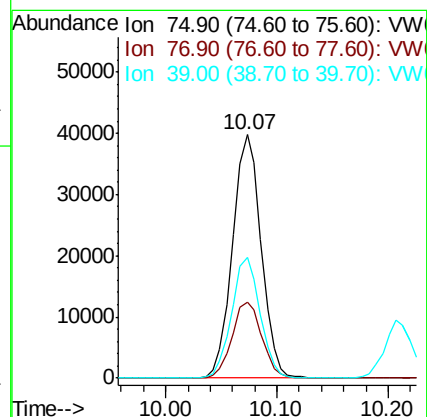
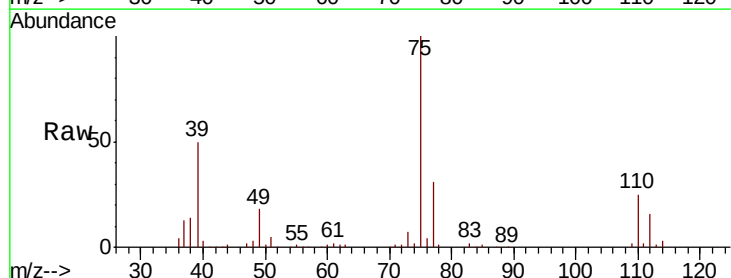
Tgt Ion: 75 Resp: 70691

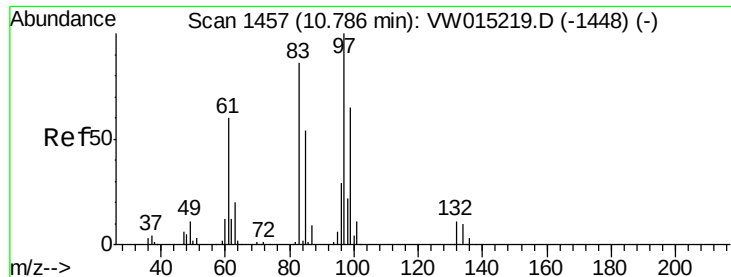
Ion Ratio Lower Upper

75 100

77 31.0 26.6 39.8

39 49.6 37.8 56.6

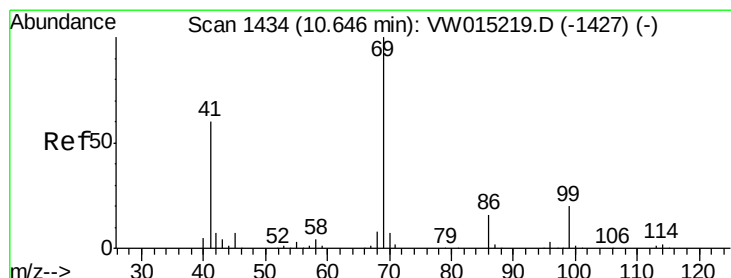
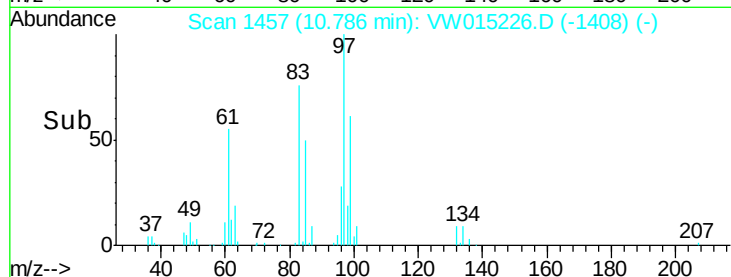
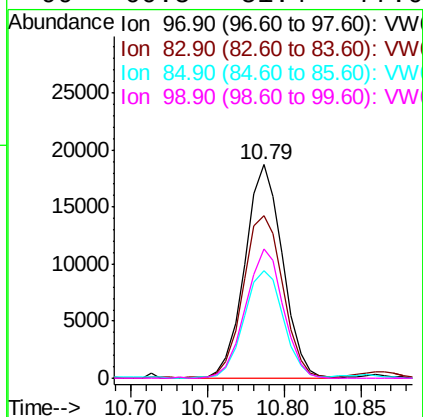
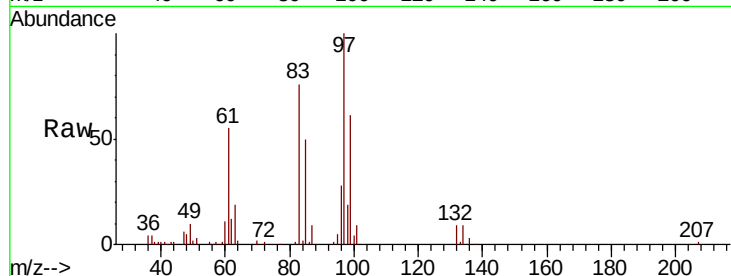




#55
 1,1,2-Trichloroethane
 Concen: 20.666 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

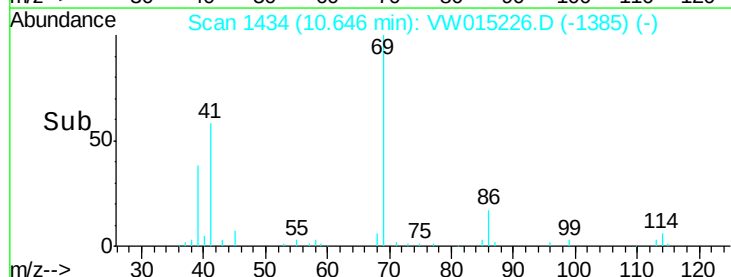
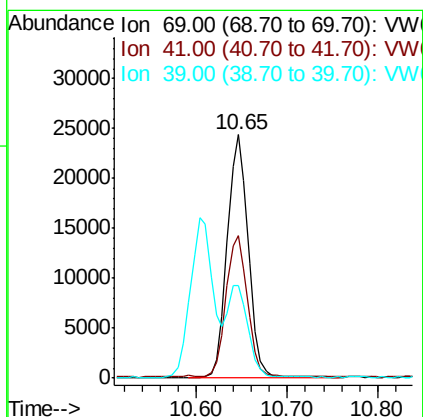
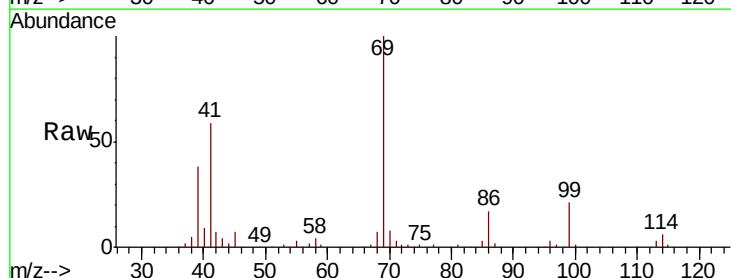
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

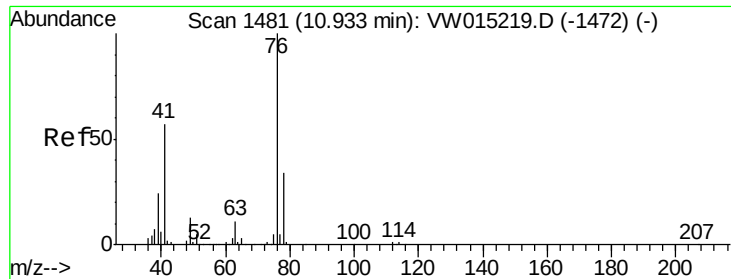
Tot Ion:	97	Resp:	32130
Ion	Ratio	Lower	Upper
97	100		
83	75.8	67.3	100.9
85	50.2	43.8	65.8
99	60.5	51.4	77.0



#56
 Ethyl methacrylate
 Concen: 19.776 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Tgt Ion:	69	Resp:	39610
Ion	Ratio	Lower	Upper
69	100		
41	58.2	51.3	76.9
39	36.5	24.6	37.0

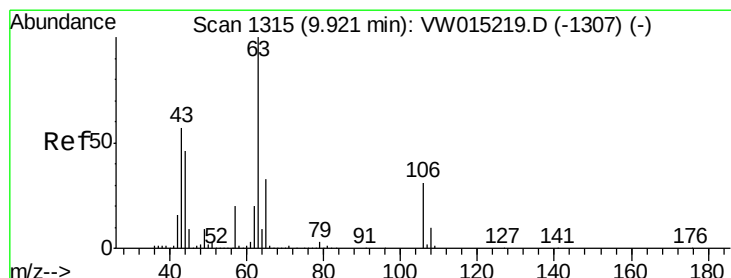
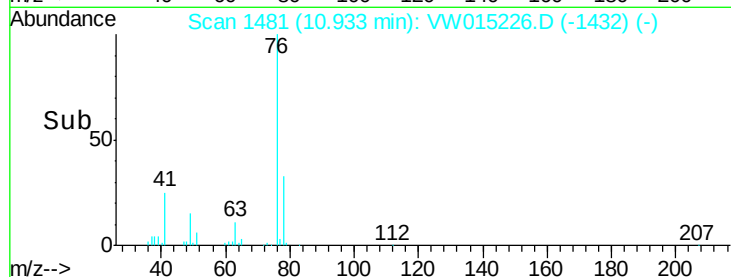
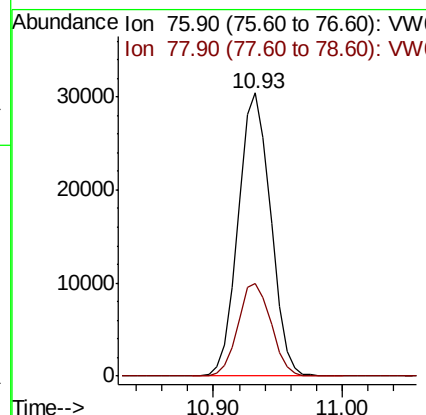
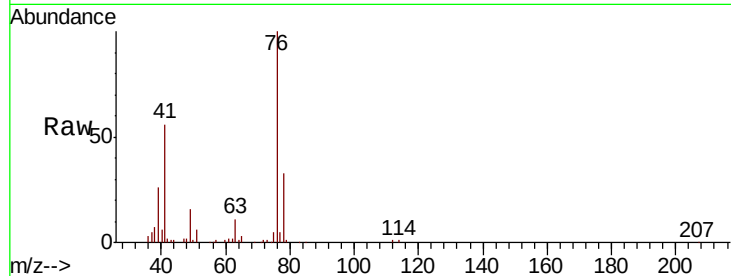




#57
 1,3-Dichloropropane
 Concen: 20.631 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

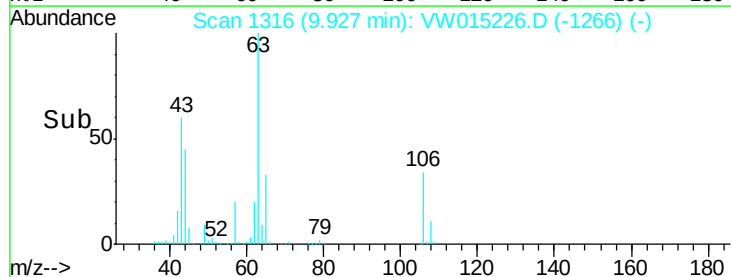
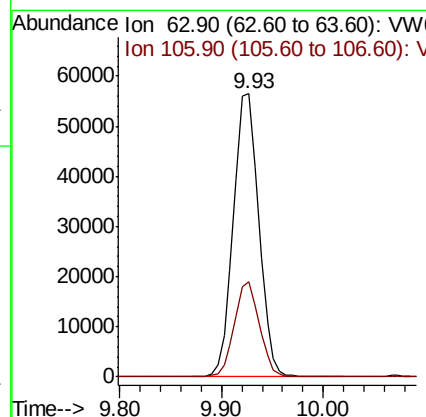
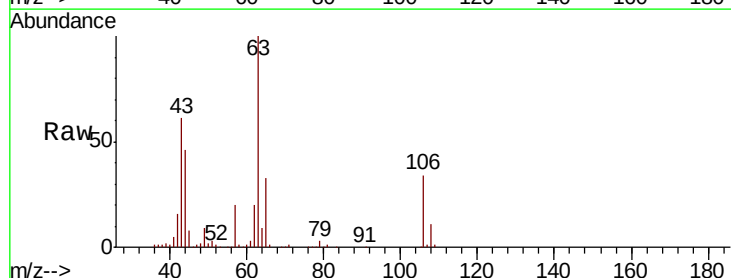
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

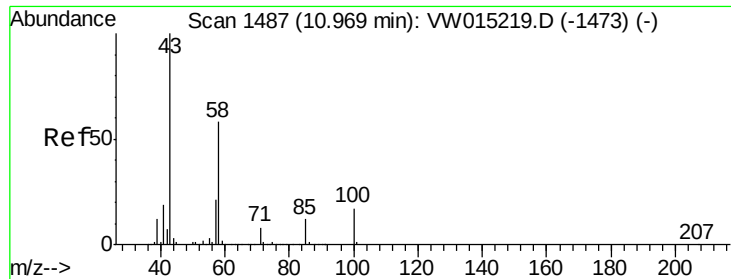
Tot Ion: 76 Resp: 53134
 Ion Ratio Lower Upper
 76 100
 78 33.4 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.871 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Tgt Ion: 63 Resp: 97381
 Ion Ratio Lower Upper
 63 100
 106 33.1 22.6 33.8

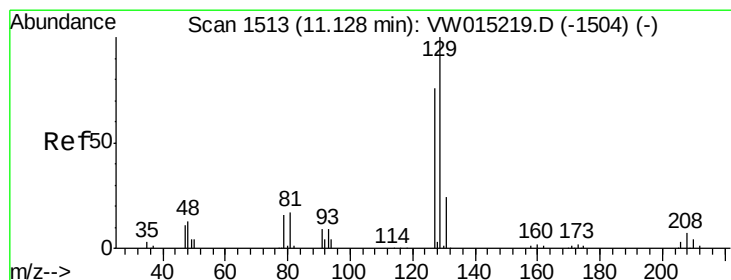
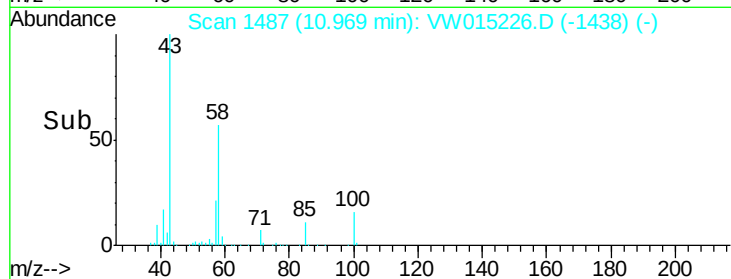
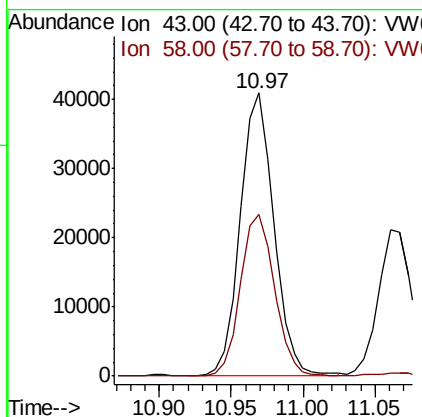
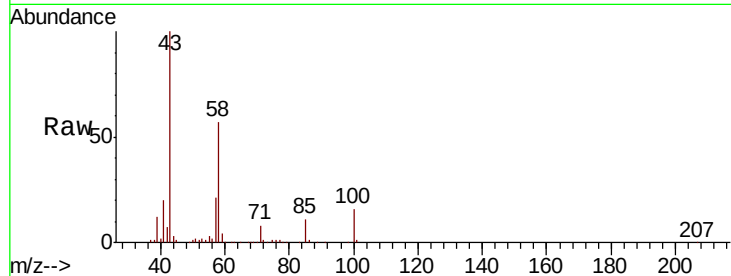




#59
2-Hexanone
Concen: 93.382 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

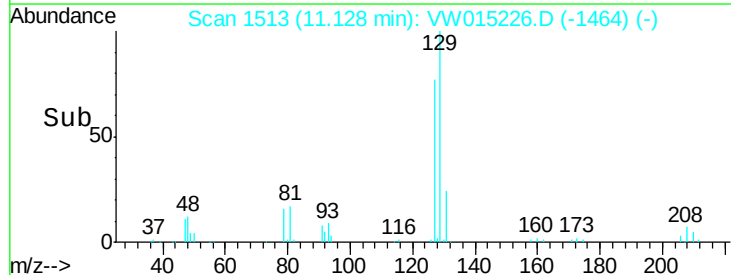
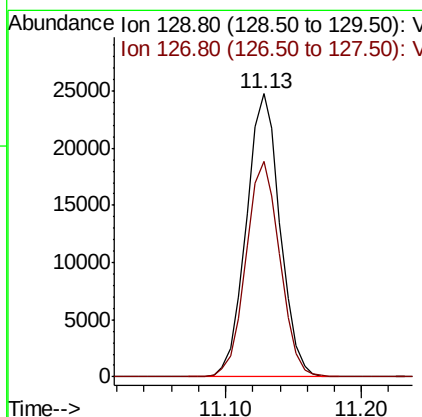
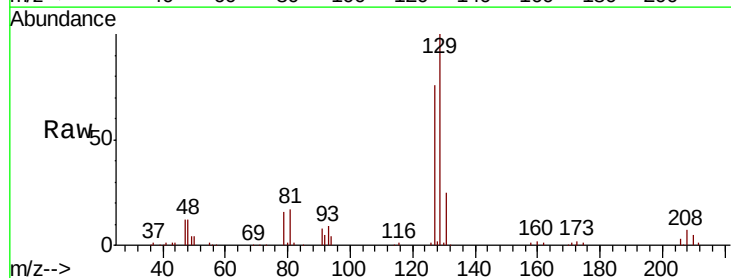
Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

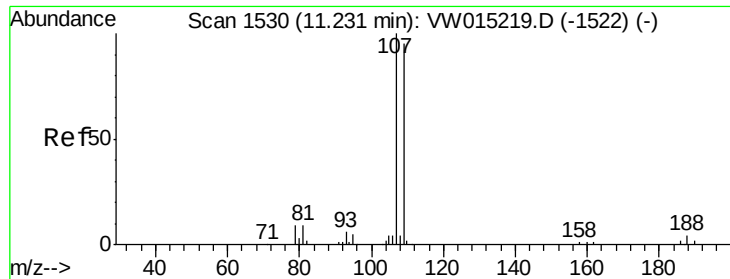
Tot Ion: 43 Resp: 65813
Ion Ratio Lower Upper
43 100
58 58.3 28.1 84.3



#60
Dibromochloromethane
Concen: 20.969 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion: 129 Resp: 43044
Ion Ratio Lower Upper
129 100
127 76.4 38.3 114.8

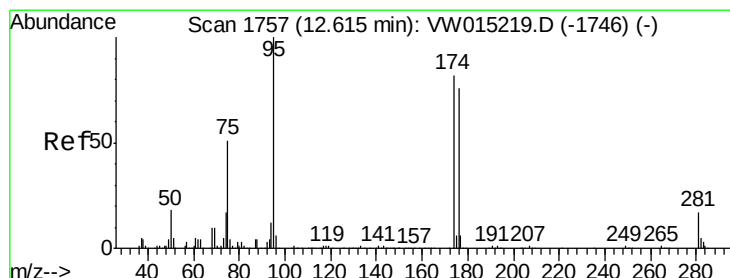
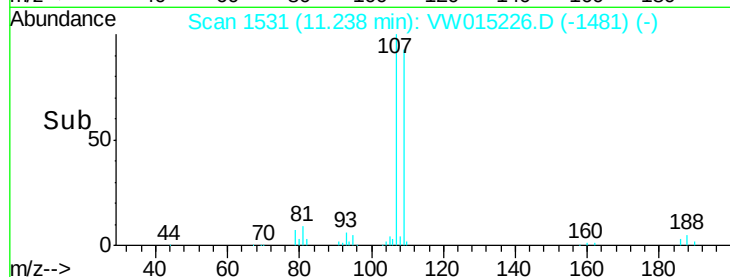
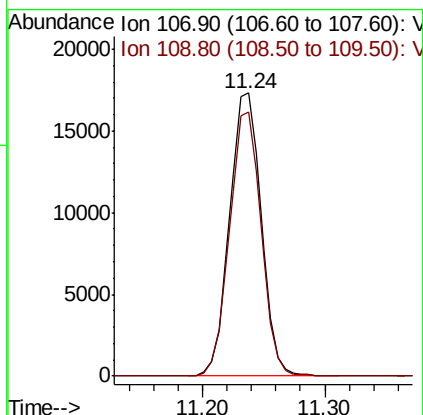
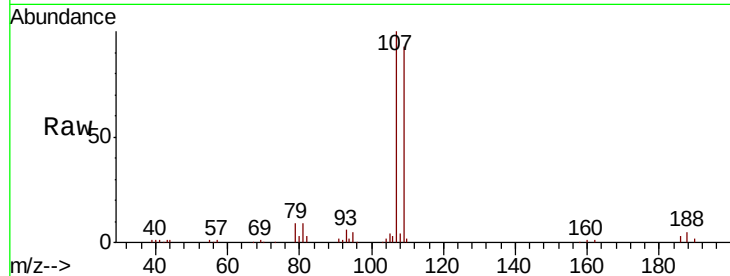




#61
 1,2-Dibromoethane
 Concen: 20.432 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

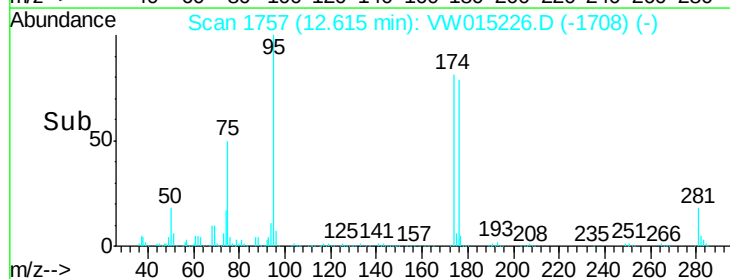
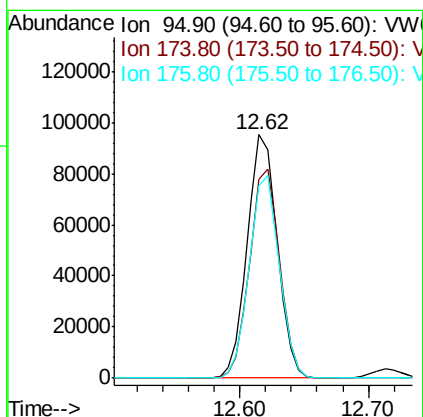
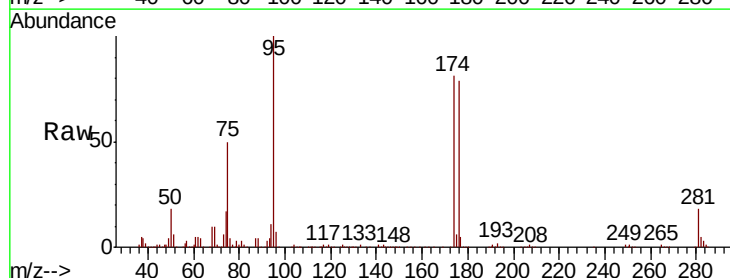
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

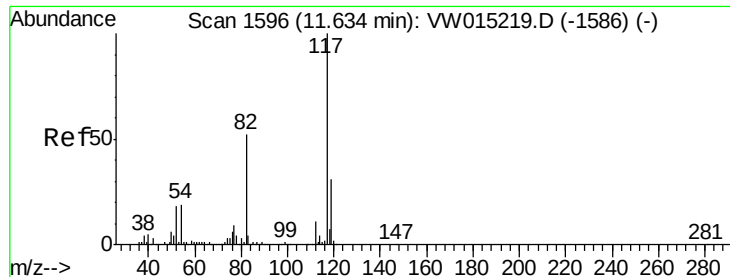
Tot Ion:107 Resp: 30996
 Ion Ratio Lower Upper
 107 100
 109 93.0 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 50.209 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Tgt Ion: 95 Resp: 152821
 Ion Ratio Lower Upper
 95 100
 174 85.9 0.0 144.4
 176 83.5 0.0 140.6

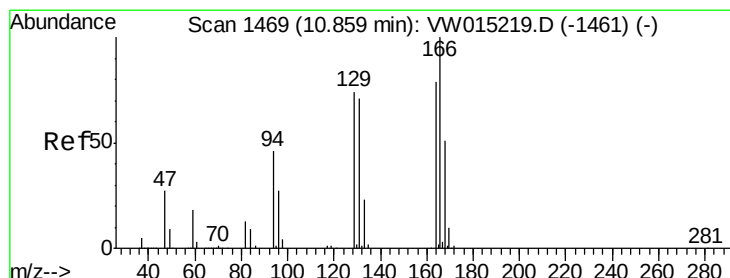
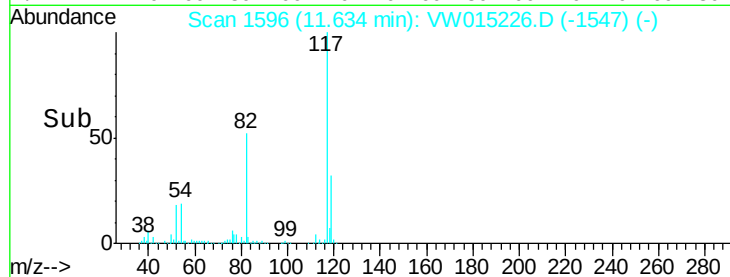
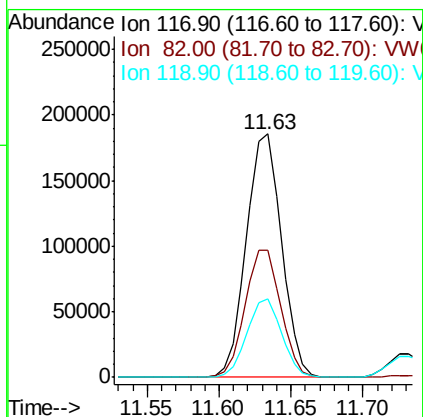
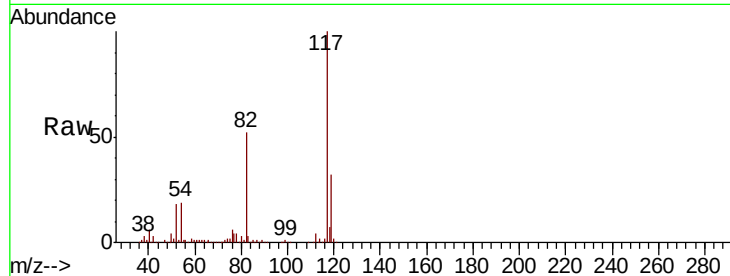




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

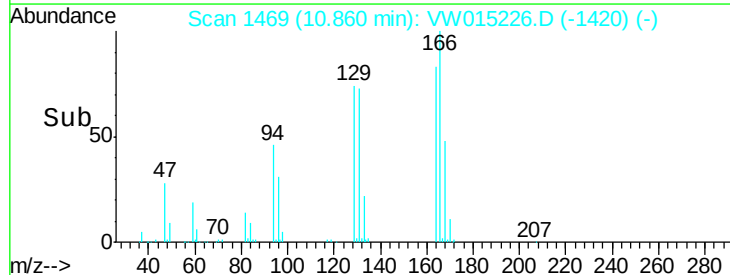
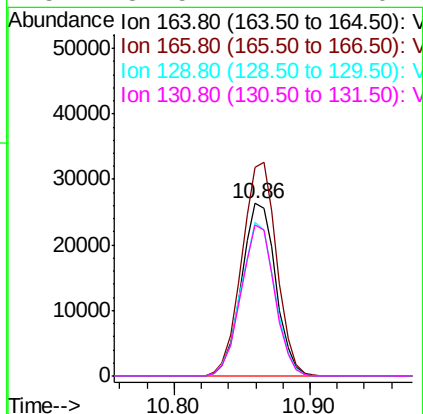
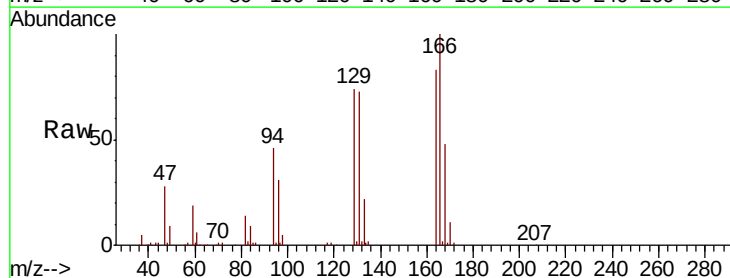
Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

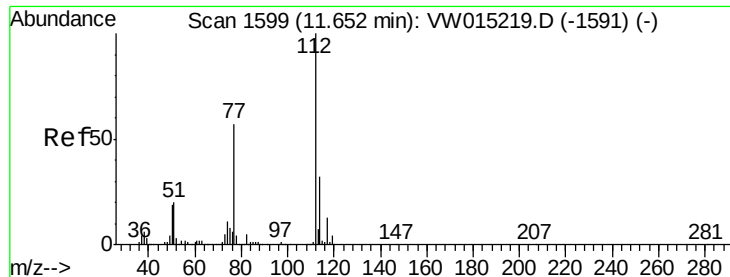
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	44.1	66.1
119	32.1	24.9	37.3



#64
Tetrachloroethene
Concen: 20.713 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.6	102.6	154.0
129	89.1	80.2	120.2
131	87.5	77.4	116.2

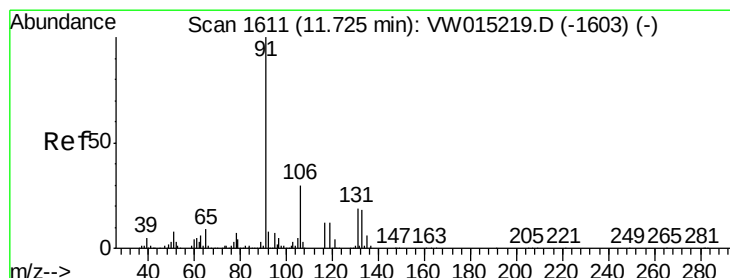
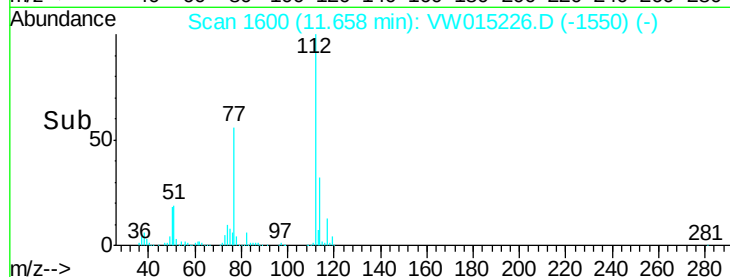
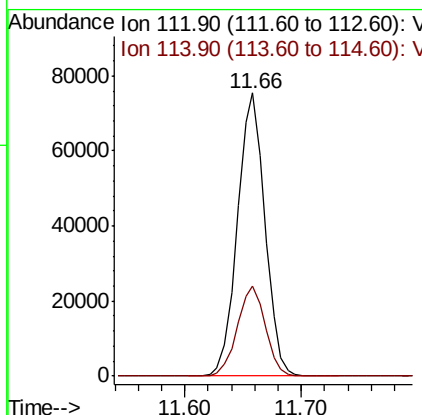
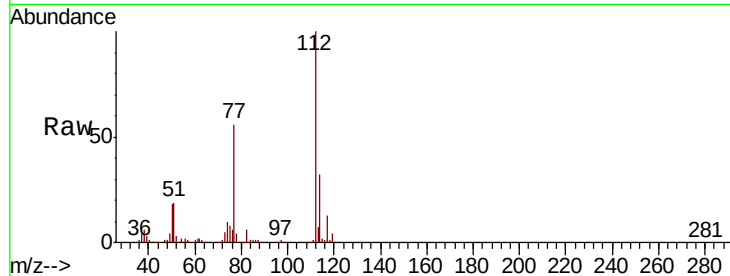




#65
Chlorobenzene
Concen: 20.097 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

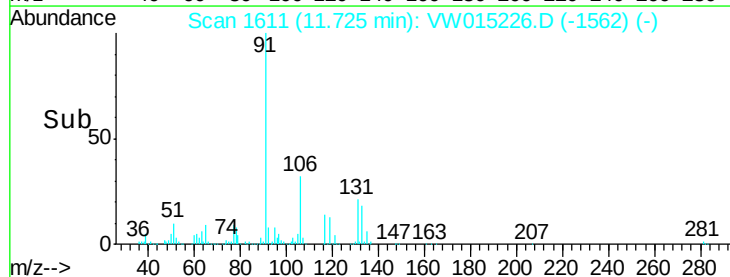
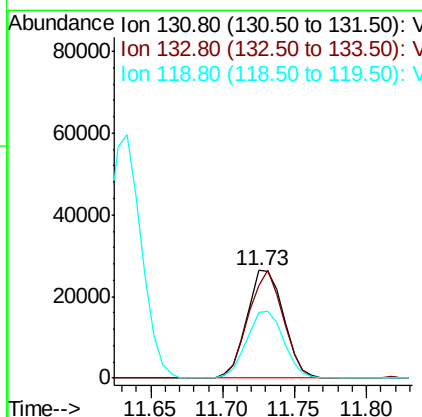
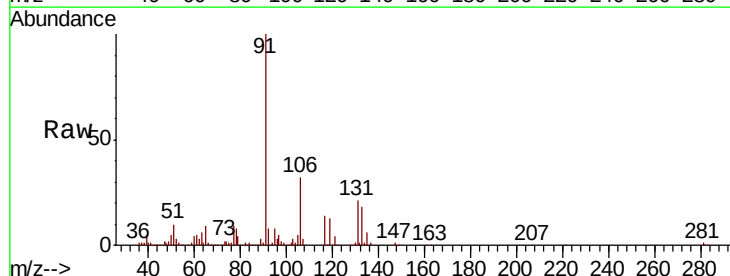
Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

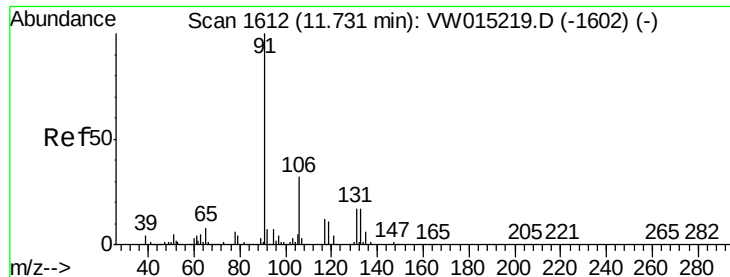
Tot Ion:112 Resp: 124018
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.100 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion:131 Resp: 46799
Ion Ratio Lower Upper
131 100
133 94.8 47.7 143.1
119 61.7 34.0 101.8





#67

Ethyl Benzene

Concen: 20.081 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

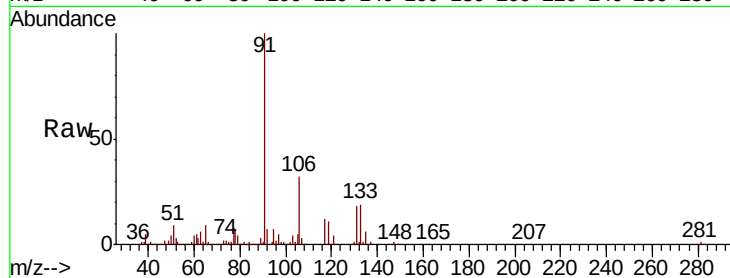
VW0420SBS01

Tot Ion: 91 Resp: 231094

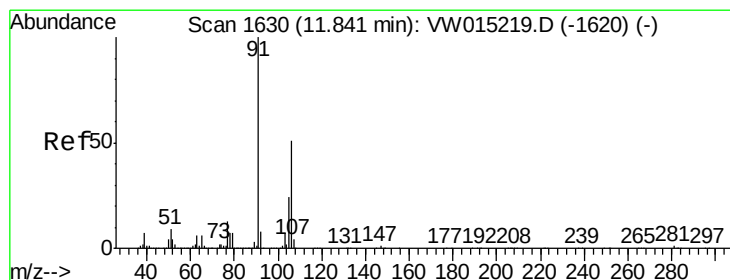
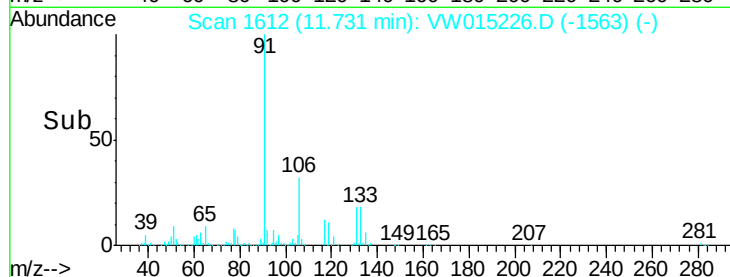
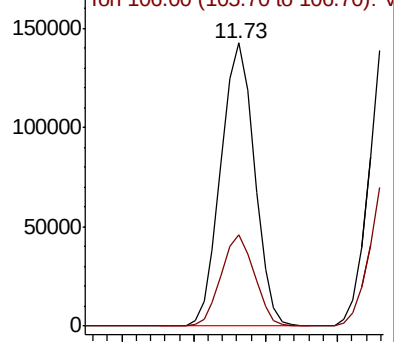
Ion Ratio Lower Upper

91 100

106 32.2 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VW



#68

m/p-Xylenes

Concen: 39.767 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015226.D

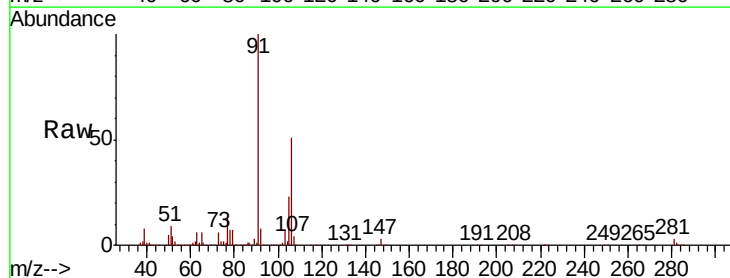
Acq: 20 Apr 2020 16:46

Tgt Ion: 106 Resp: 179387

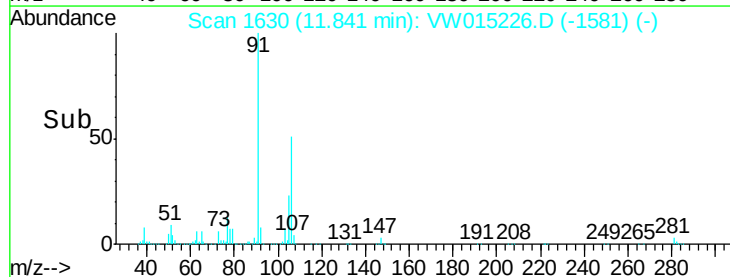
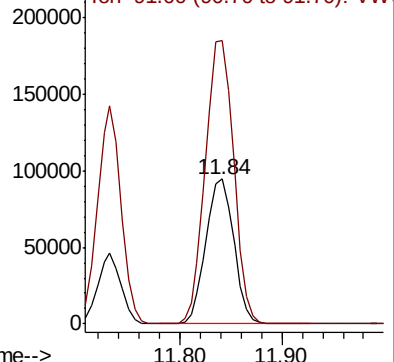
Ion Ratio Lower Upper

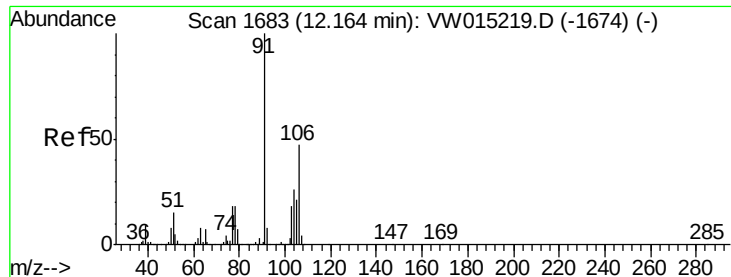
106 100

91 198.8 160.0 240.0



Abundance Ion 106.00 (105.70 to 106.70): V

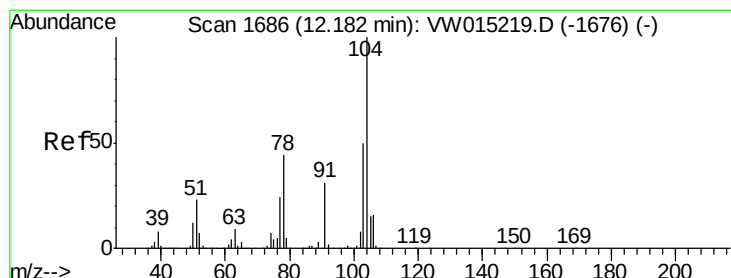
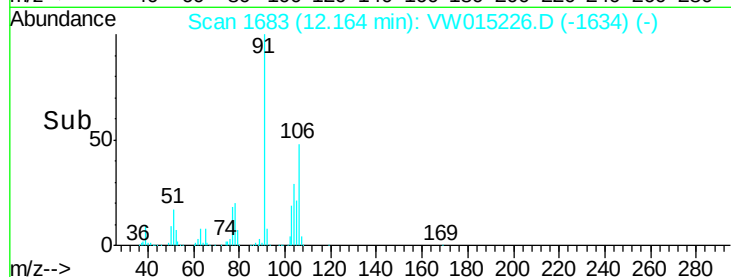
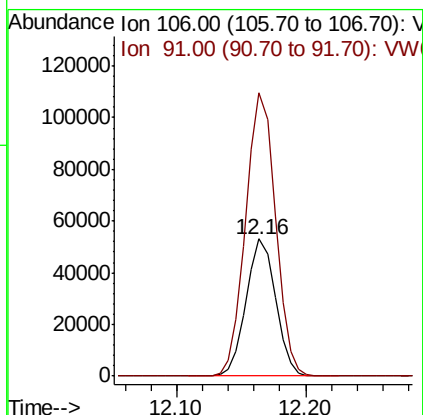
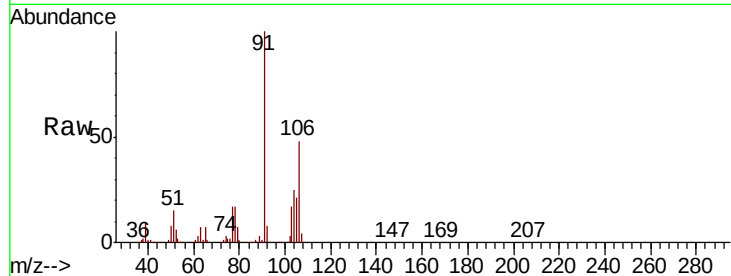




#69
o-Xylene
Concen: 19.923 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

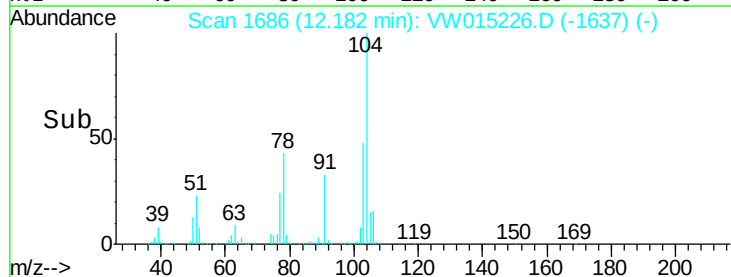
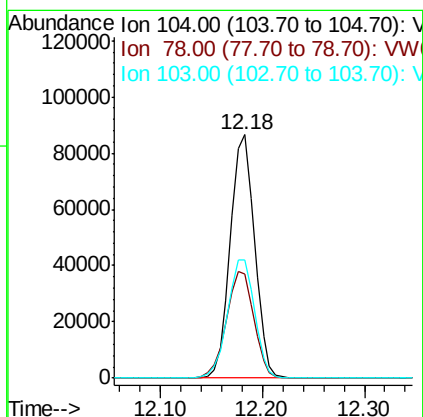
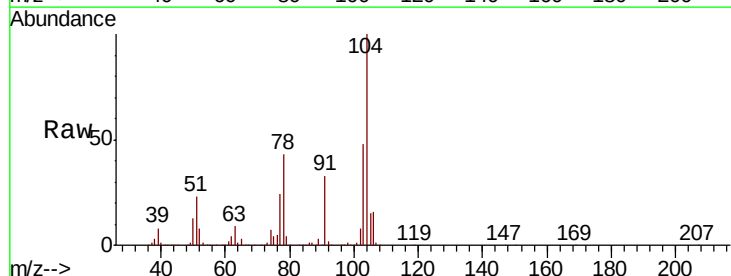
Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

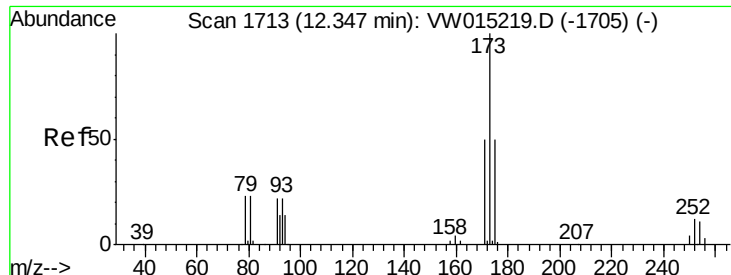
Tot Ion:106 Resp: 83887
Ion Ratio Lower Upper
106 100
91 209.4 105.7 317.1



#70
Styrene
Concen: 19.891 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion:104 Resp: 142764
Ion Ratio Lower Upper
104 100
78 49.0 39.8 59.6
103 53.7 43.8 65.6





#71

Bromoform

Concen: 19.890 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

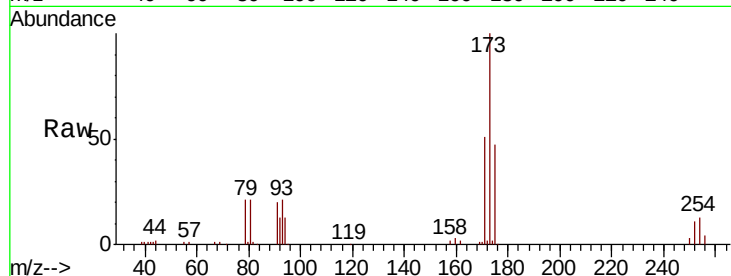
Tot Ion:173 Resp: 24857

Ion Ratio Lower Upper

173 100

175 48.9 25.1 75.4

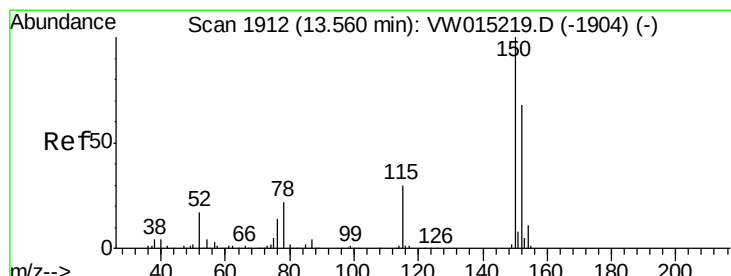
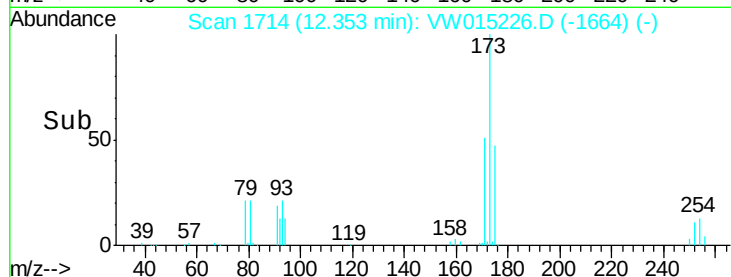
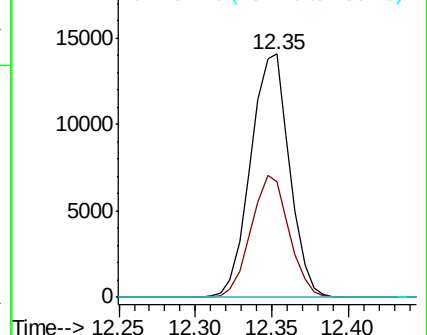
254 0.0 0.1 0.1#



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: VW015226.D

Acq: 20 Apr 2020 16:46

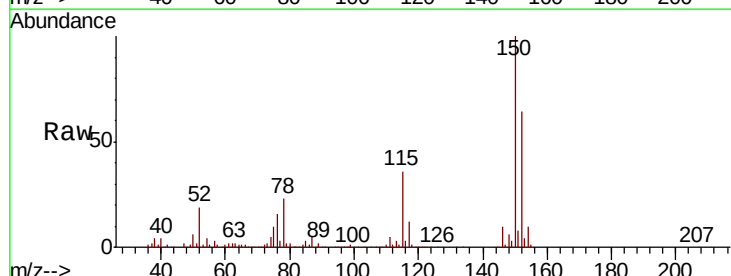
Tgt Ion:152 Resp: 161924

Ion Ratio Lower Upper

152 100

115 57.8 31.3 93.9

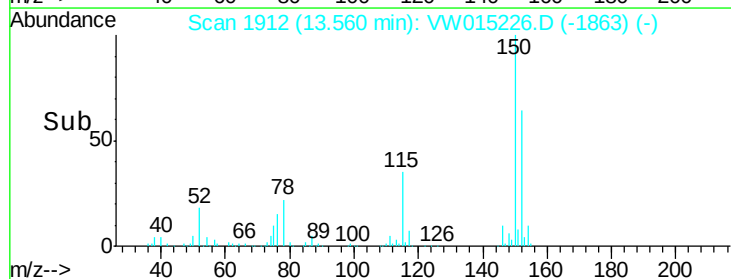
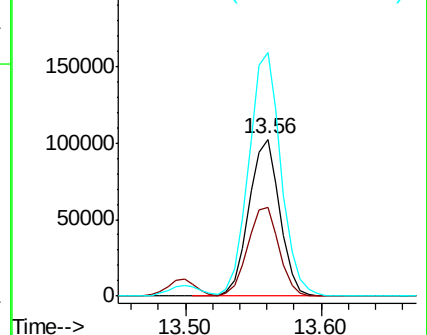
150 162.9 0.0 343.4

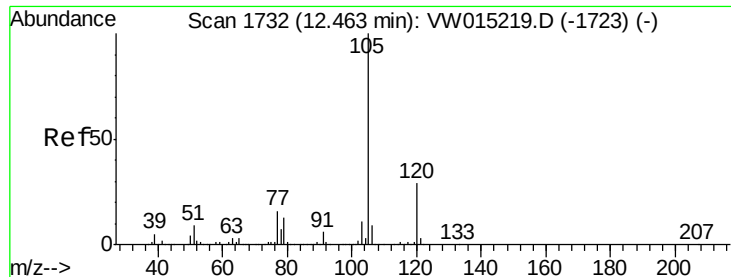


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.616 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

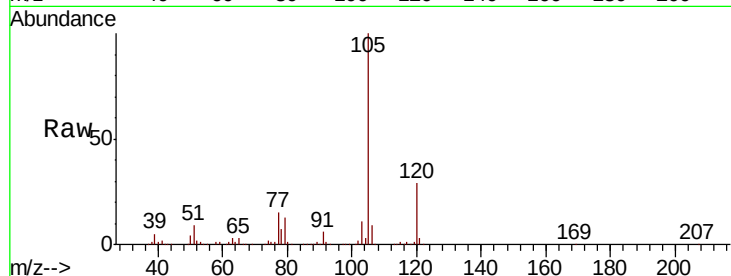
VW0420SBS01

Tot Ion:105 Resp: 231451

Ion Ratio Lower Upper

105 100

120 27.4 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

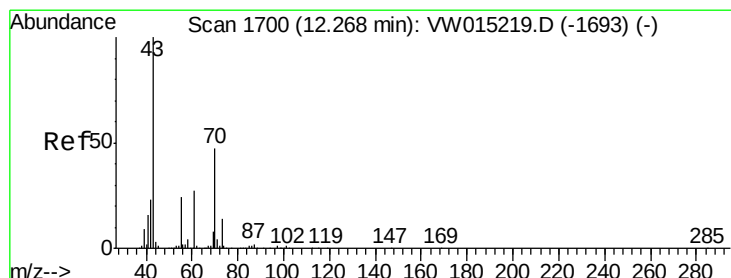
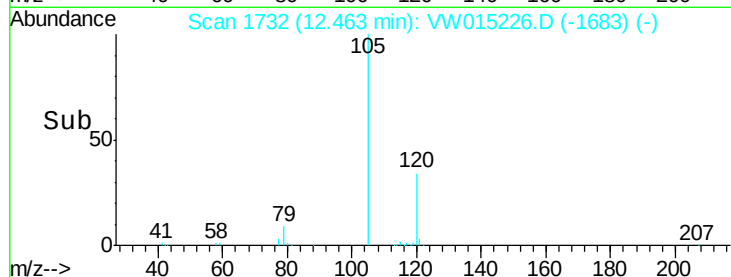
100000

50000

0

12.46

Time-->



#74

N-ethyl acetate

Concen: 20.248 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Tgt Ion: 43 Resp: 39548

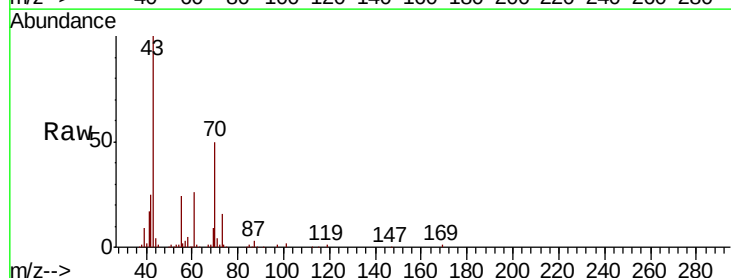
Ion Ratio Lower Upper

43 100

70 49.0 35.4 53.2

55 24.3 18.5 27.7

61 25.9 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

40000

30000

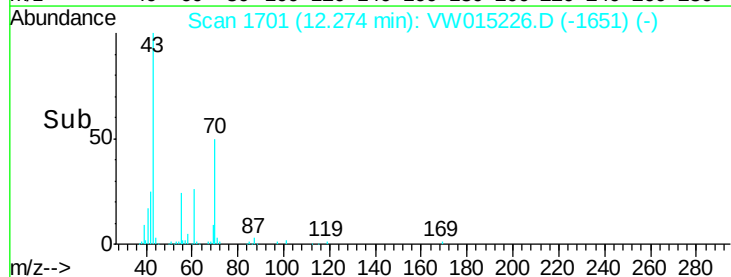
20000

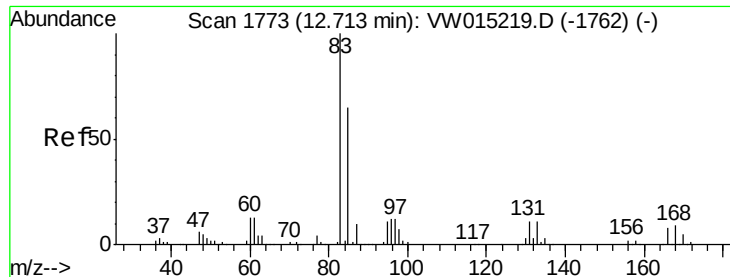
10000

0

12.27

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.832 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampled :

VW0420SBS01

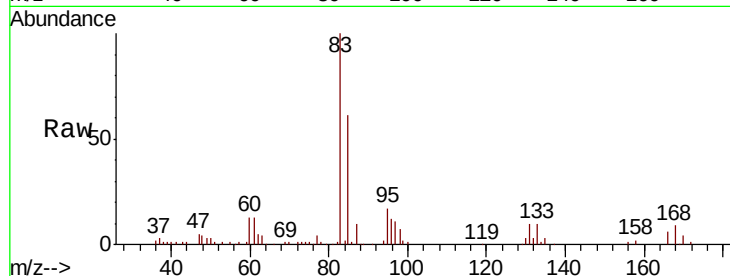
Tot Ion: 83 Resp: 33206

Ion Ratio Lower Upper

83 100

131 11.7 5.1 15.2

85 63.8 32.3 96.8



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

25000

20000

15000

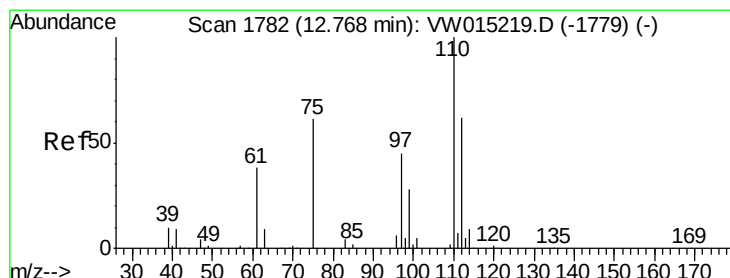
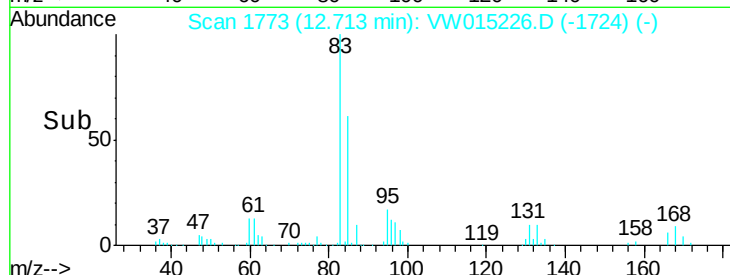
10000

5000

0

12.65 12.70 12.75

Time-->



#76

1,2,3-Trichloropropane

Concen: 35.899 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015226.D

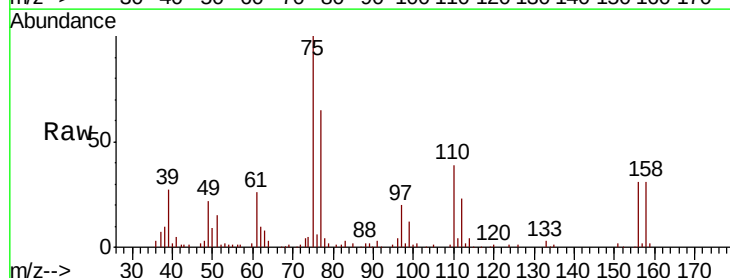
Acq: 20 Apr 2020 16:46

Tgt Ion: 75 Resp: 44969

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

50000

40000

30000

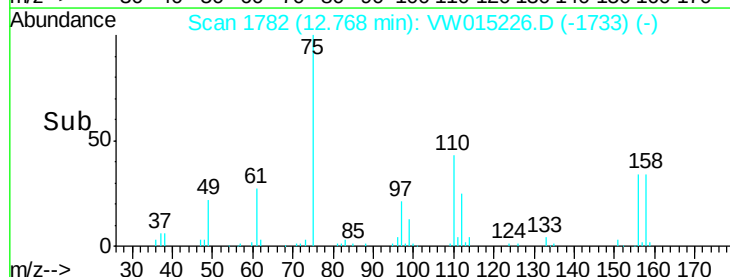
20000

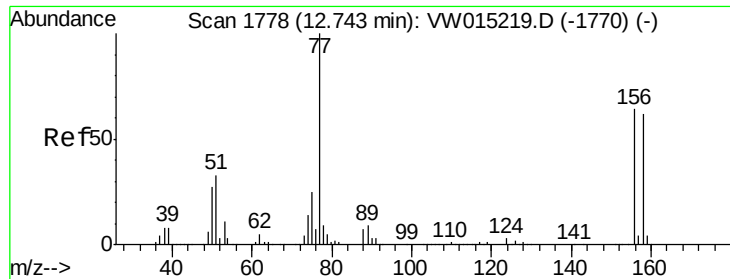
10000

0

12.70 12.75

Time-->

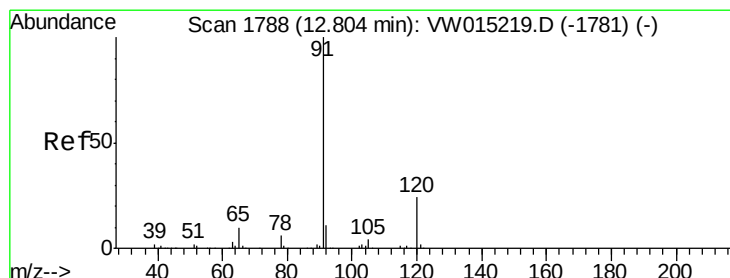
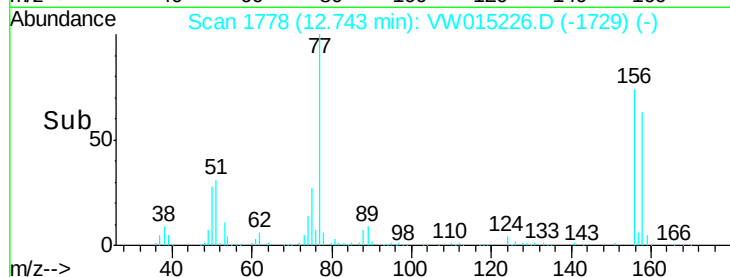
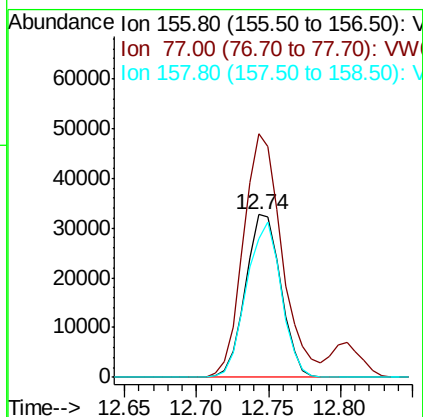
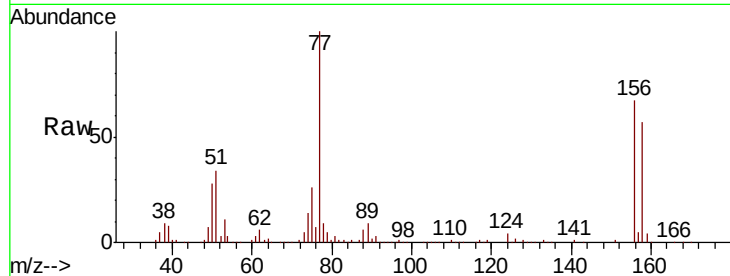




#77
Bromobenzene
Concen: 21.490 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

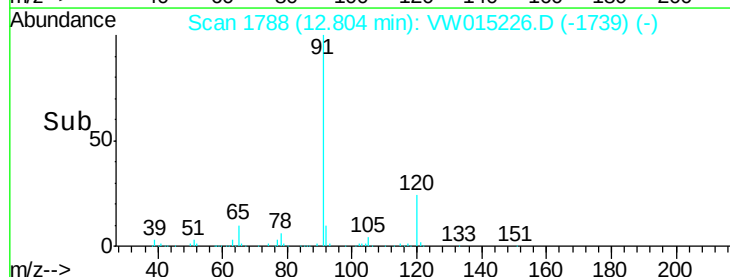
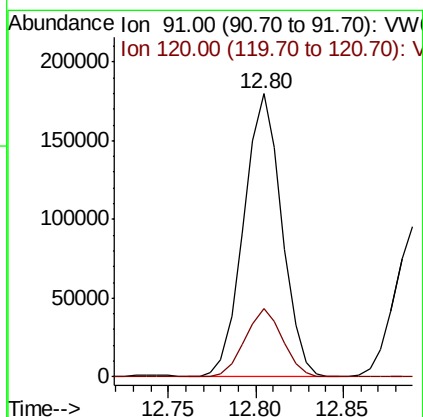
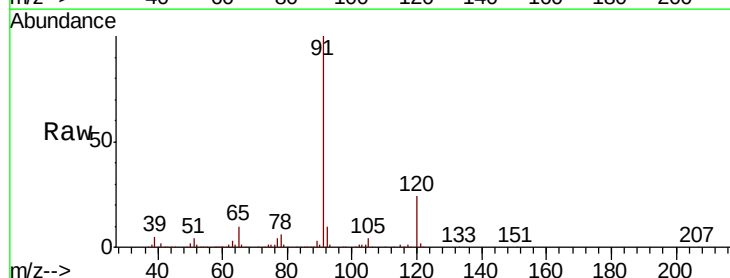
Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

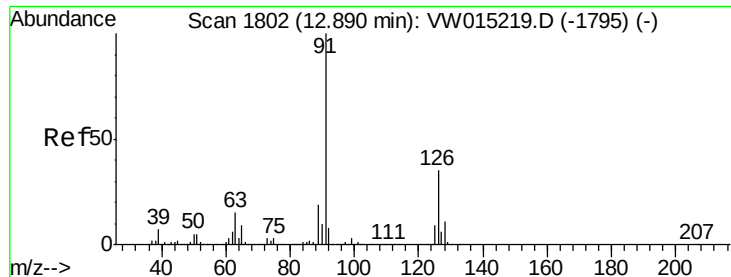
Tot Ion:156 Resp: 55432
Ion Ratio Lower Upper
156 100
77 163.6 100.5 301.5
158 93.8 47.9 143.8



#78
n-propylbenzene
Concen: 20.735 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion: 91 Resp: 271038
Ion Ratio Lower Upper
91 100
120 23.9 11.4 34.1





#79

2-Chlorotoluene

Concen: 20.755 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

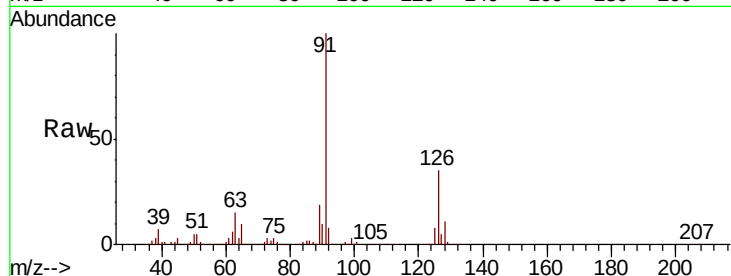
VW0420SBS01

Tot Ion: 91 Resp: 152894

Ion Ratio Lower Upper

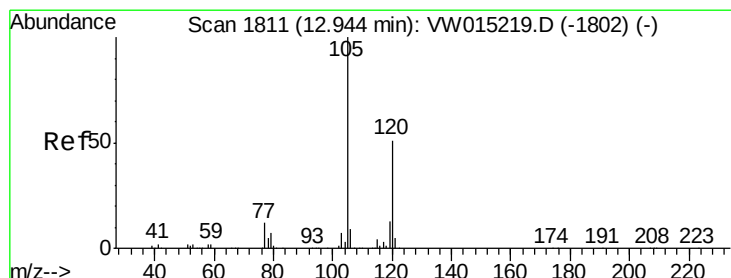
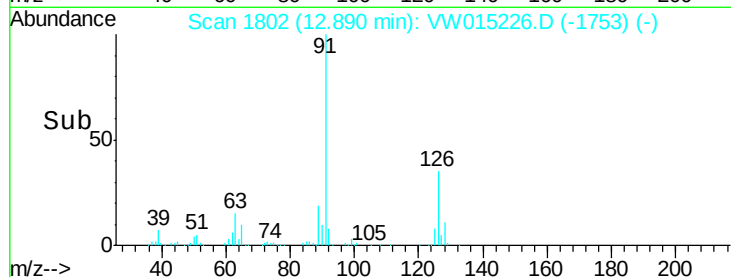
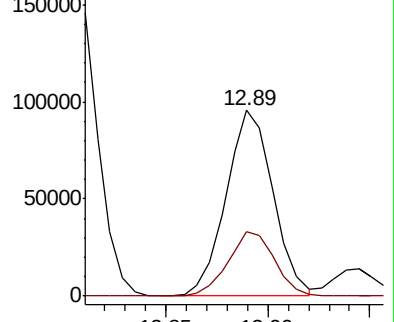
91 100

126 34.6 16.8 50.4



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: 20.885 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015226.D

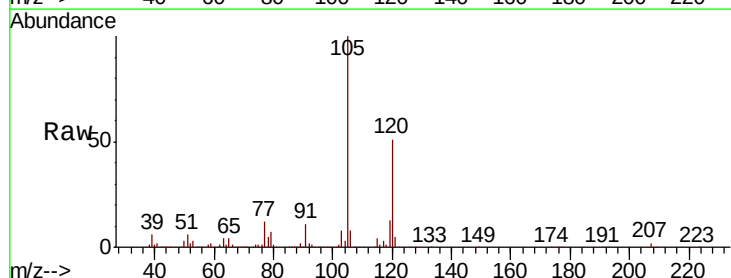
Acq: 20 Apr 2020 16:46

Tgt Ion:105 Resp: 201982

Ion Ratio Lower Upper

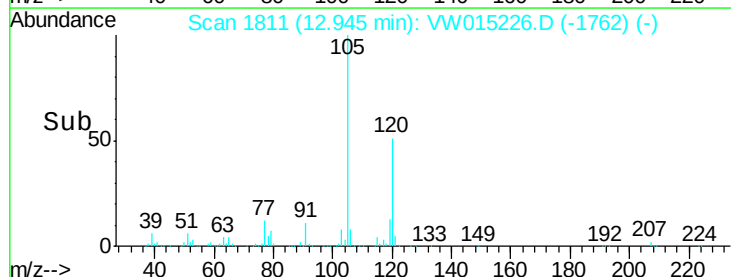
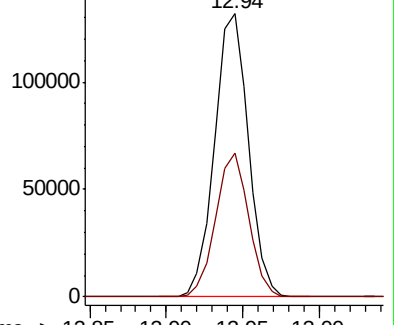
105 100

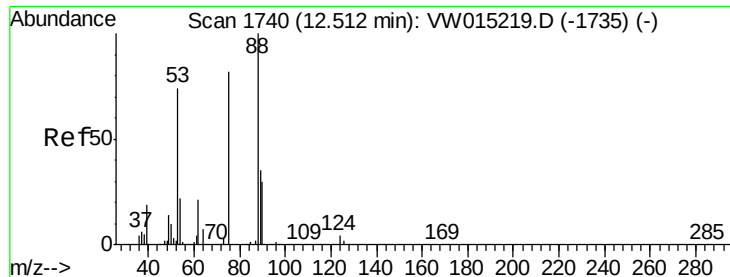
120 49.8 24.9 74.8



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: 20.709 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

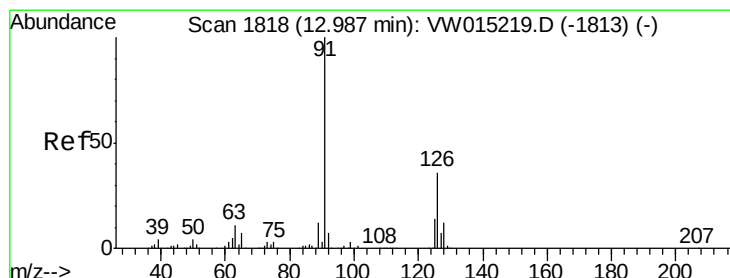
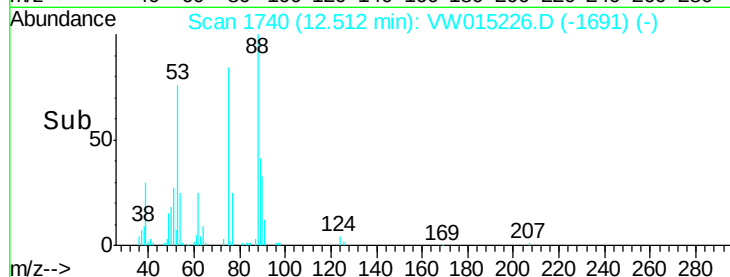
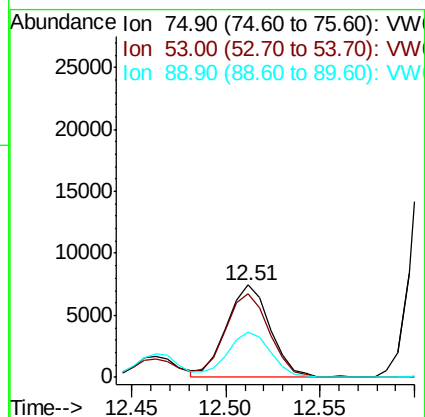
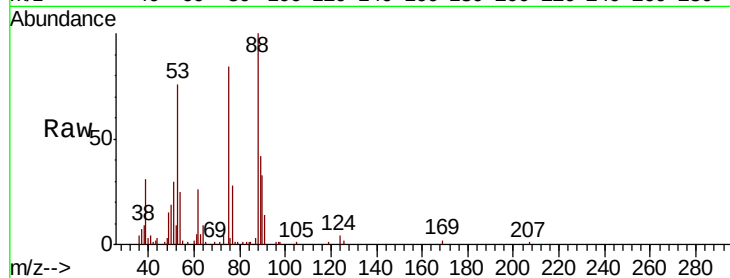
Tot Ion: 75 Resp: 11867

Ion Ratio Lower Upper

75 100

53 93.2 69.4 104.2

89 48.0 34.8 52.2



#82

4-Chlorotoluene

Concen: 20.486 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW015226.D

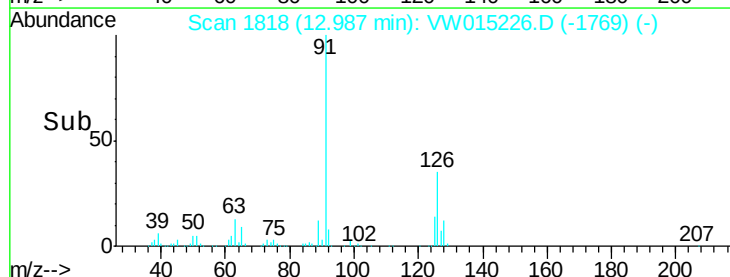
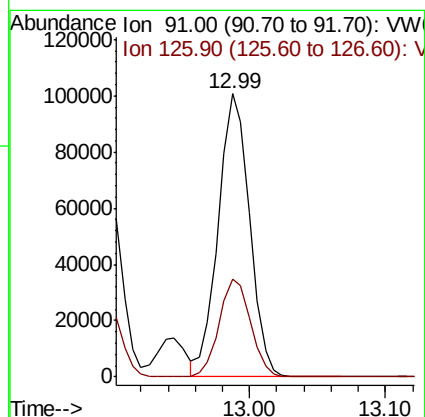
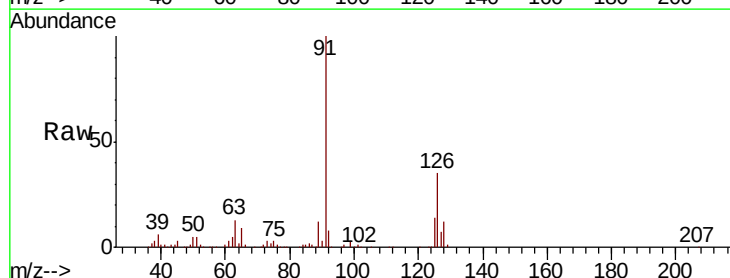
Acq: 20 Apr 2020 16:46

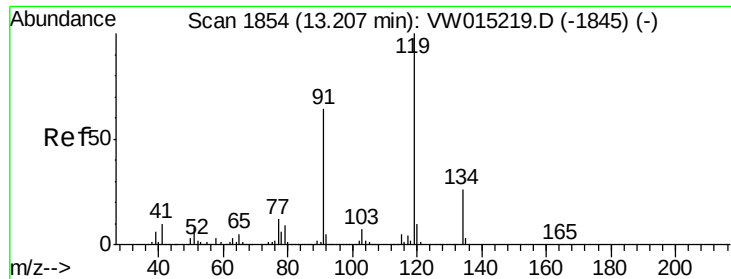
Tgt Ion: 91 Resp: 160230

Ion Ratio Lower Upper

91 100

126 34.9 16.8 50.3

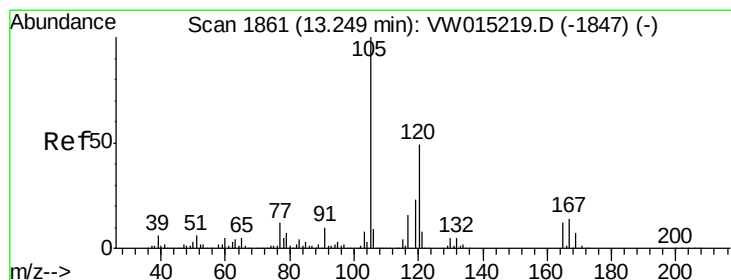
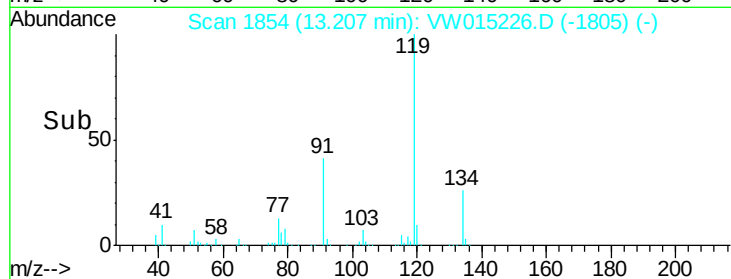
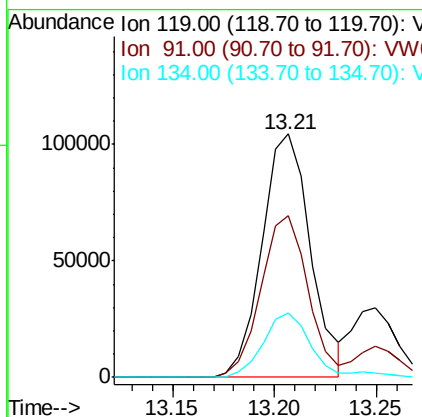
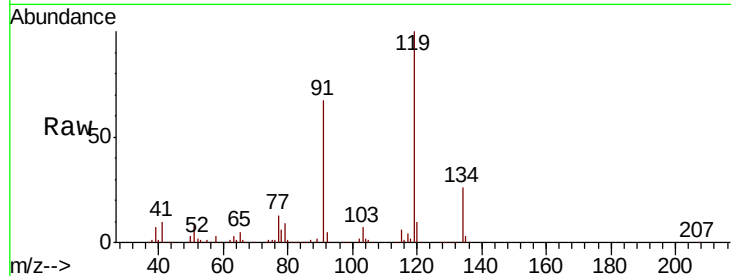




#83
tert-Butylbenzene
Concen: 20.508 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

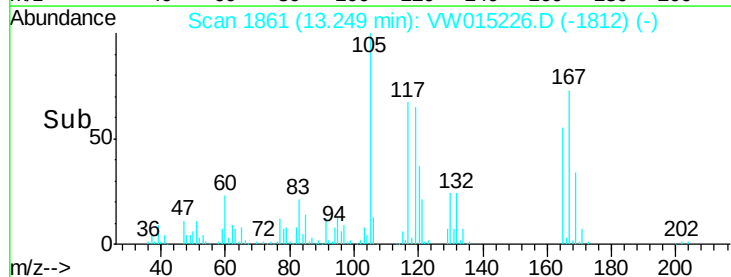
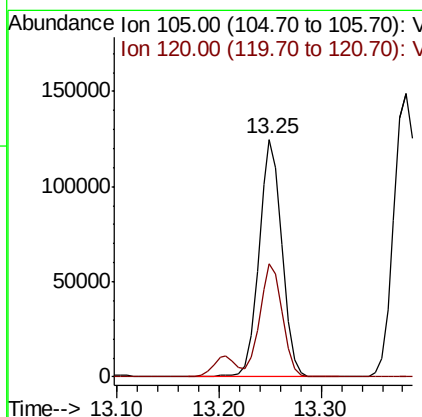
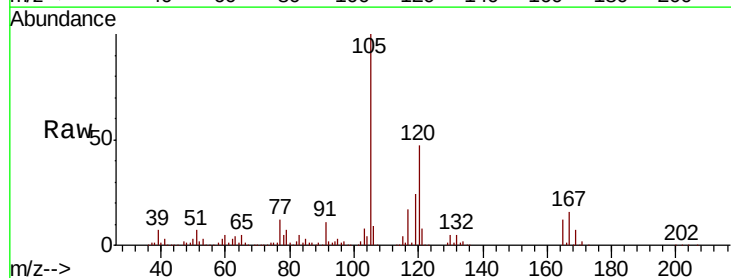
Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

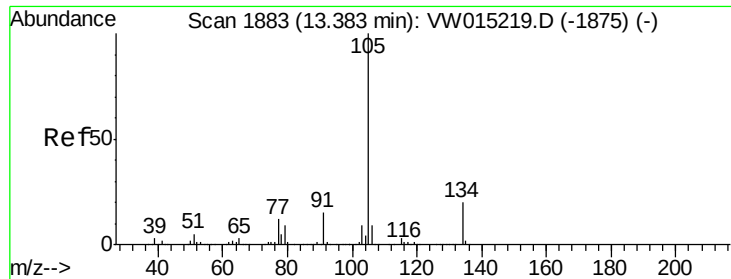
Tot Ion:119 Resp: 173349
Ion Ratio Lower Upper
119 100
91 64.5 32.8 98.3
134 26.9 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 20.528 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion:105 Resp: 195808
Ion Ratio Lower Upper
105 100
120 46.5 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.353 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

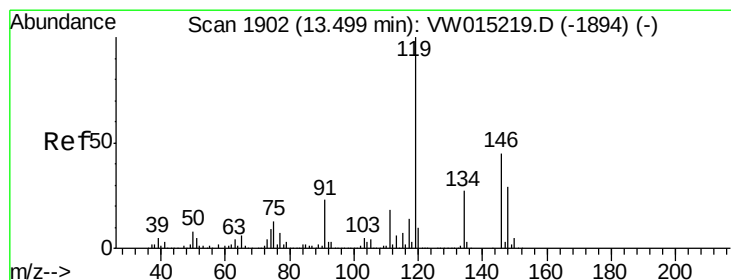
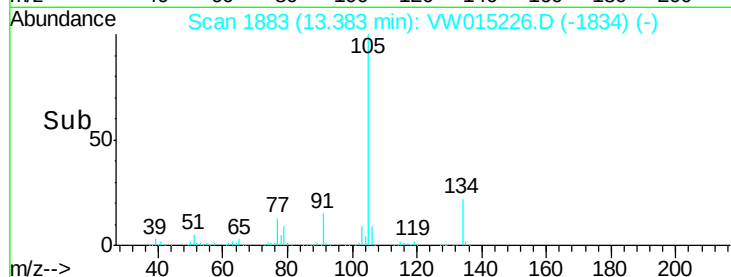
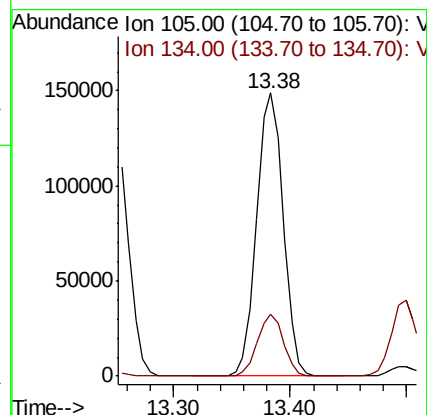
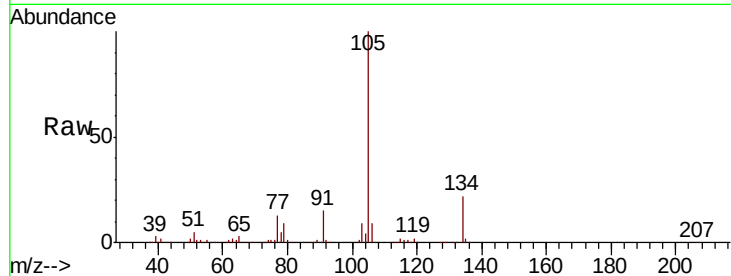
VW0420SBS01

Tot Ion:105 Resp: 237586

Ion Ratio Lower Upper

105 100

134 21.4 10.1 30.1



#86

p-Isopropyltoluene

Concen: 20.431 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015226.D

Acq: 20 Apr 2020 16:46

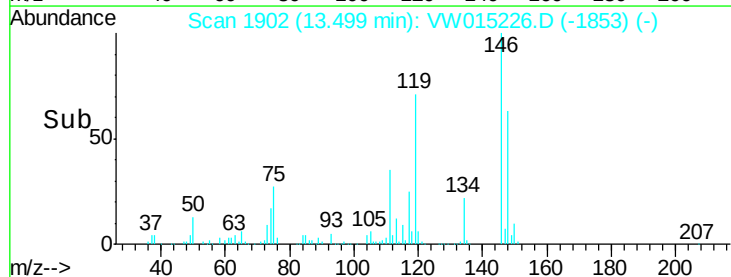
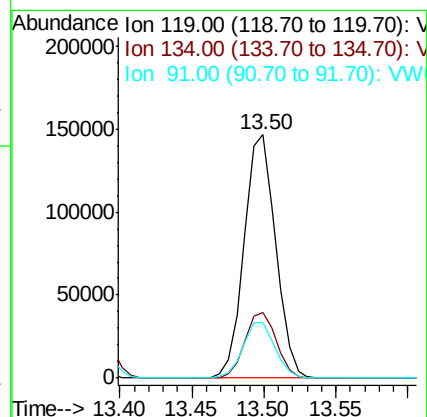
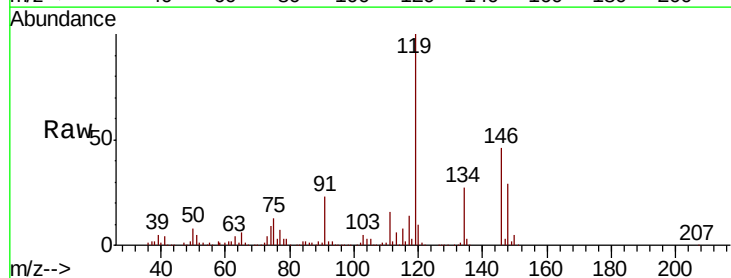
Tgt Ion:119 Resp: 221614

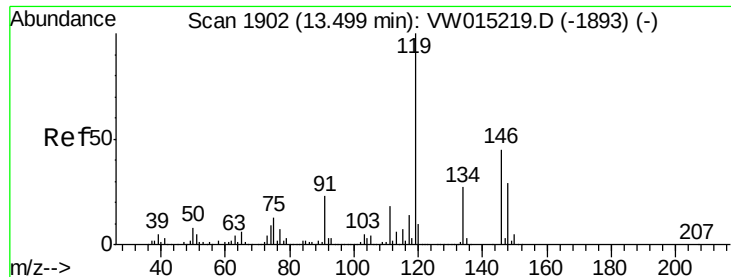
Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.9

91 23.4 12.0 36.1

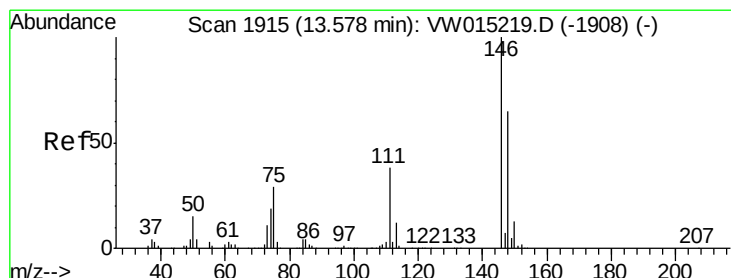
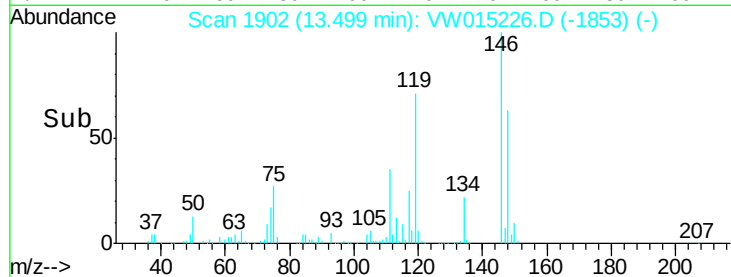
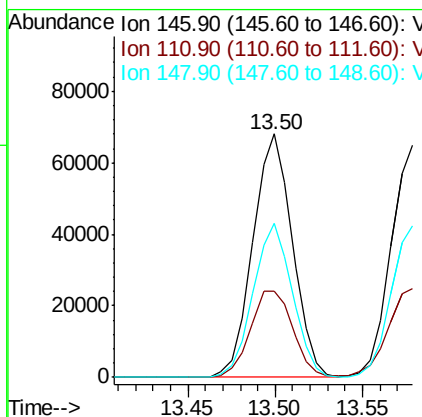
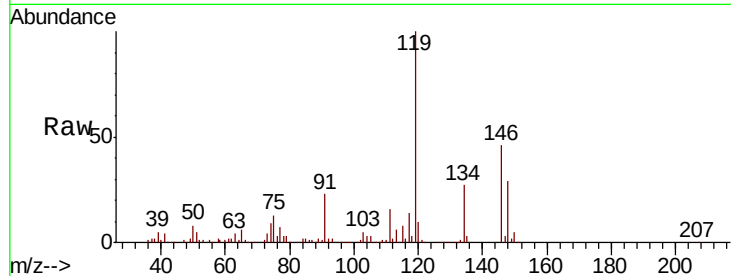




#87
 1,3-Dichlorobenzene
 Concen: 20.857 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

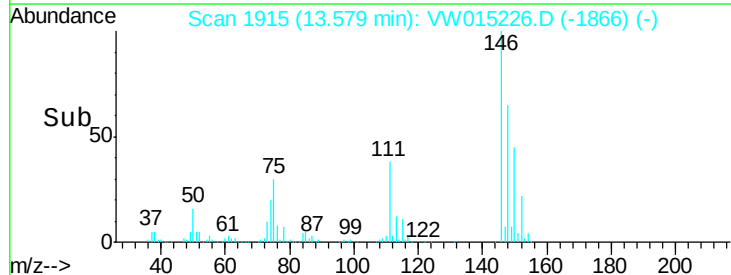
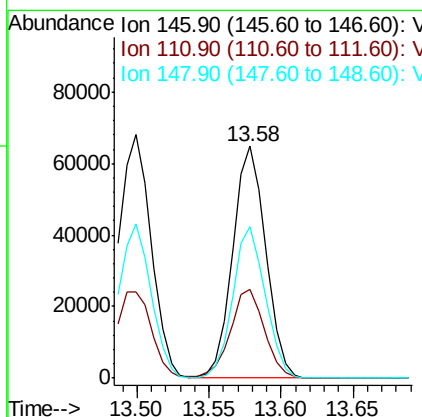
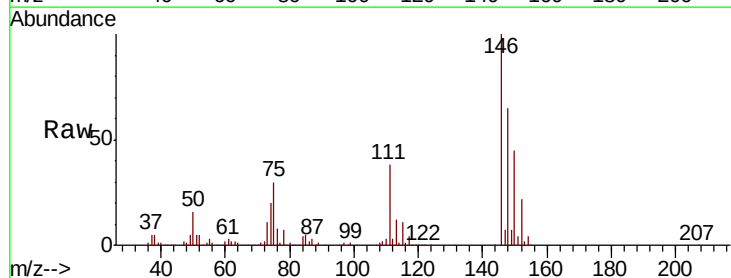
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

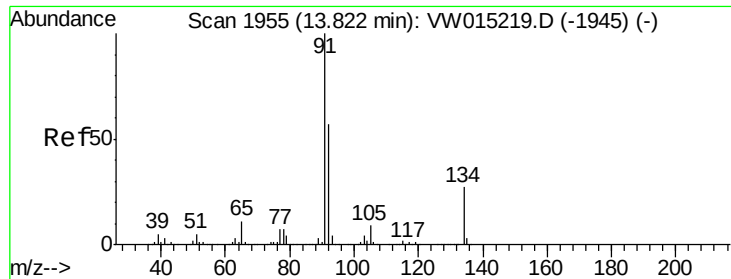
Tot Ion:146 Resp: 106890
 Ion Ratio Lower Upper
 146 100
 111 38.3 21.1 63.4
 148 62.6 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 20.617 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Tgt Ion:146 Resp: 103576
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.4 61.3
 148 64.5 31.5 94.5

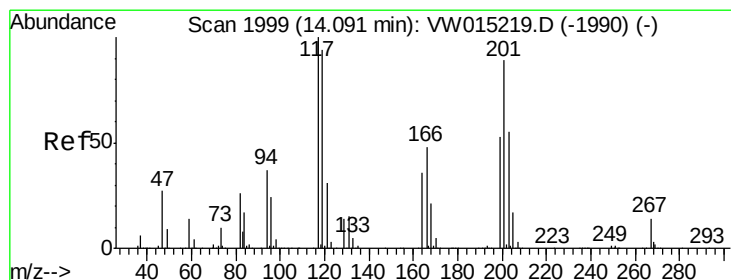
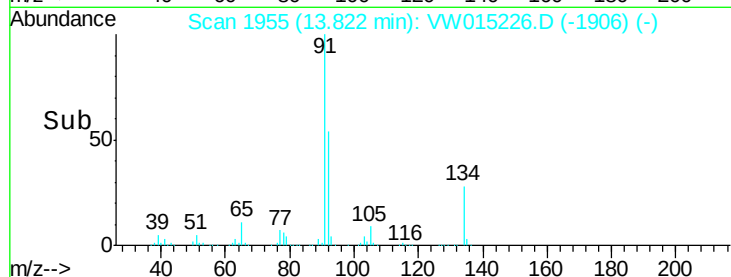
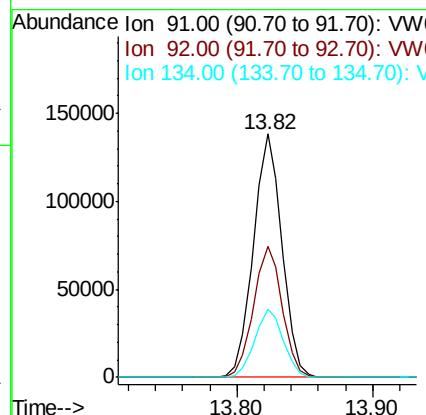
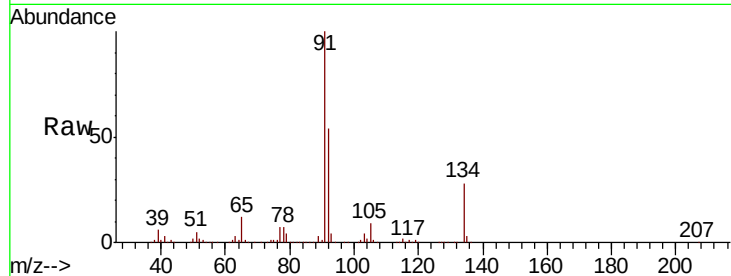




#89
n-Butylbenzene
Concen: 20.526 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

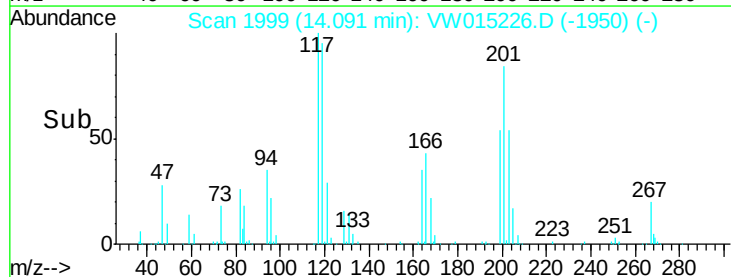
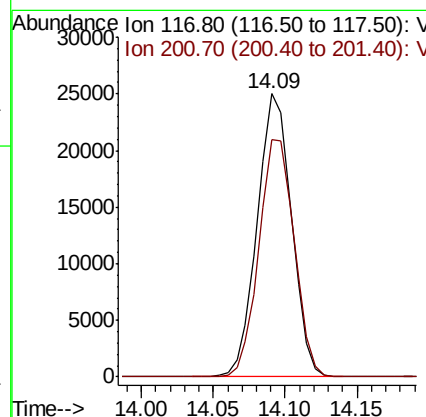
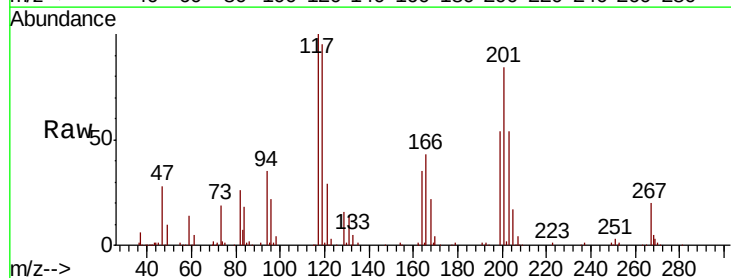
Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

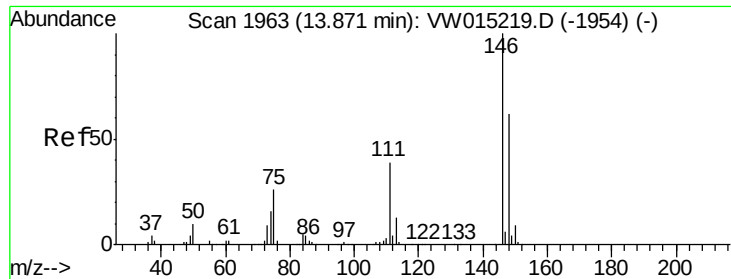
Tot Ion: 91 Resp: 203502
Ion Ratio Lower Upper
91 100
92 53.9 27.6 82.7
134 28.1 12.8 38.3



#90
Hexachloroethane
Concen: 20.716 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion: 117 Resp: 41209
Ion Ratio Lower Upper
117 100
201 86.3 33.6 100.6

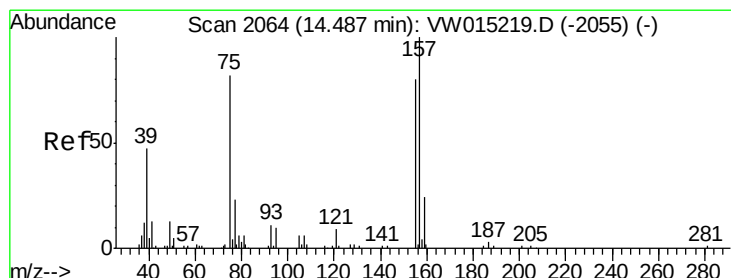
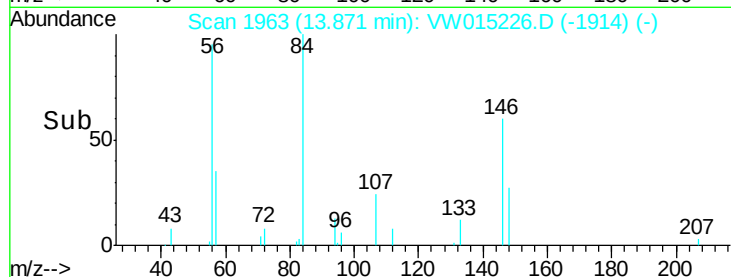
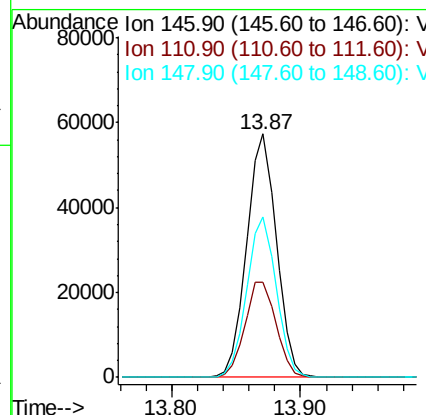
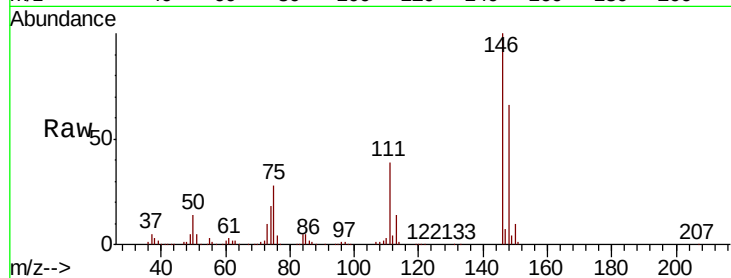




#91
 1,2-Dichlorobenzene
 Concen: 20.473 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

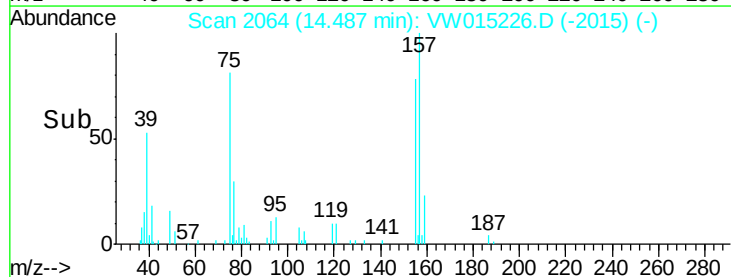
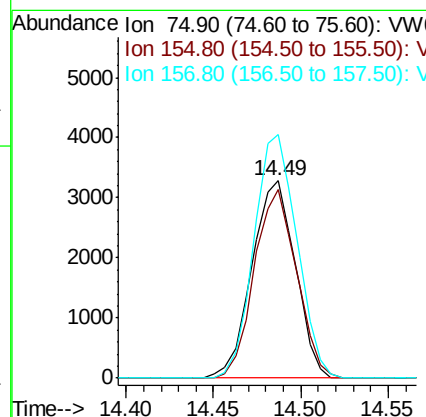
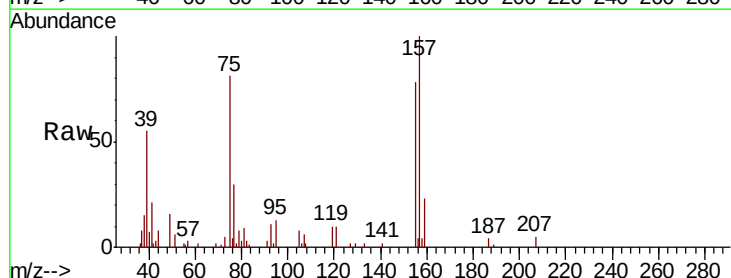
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

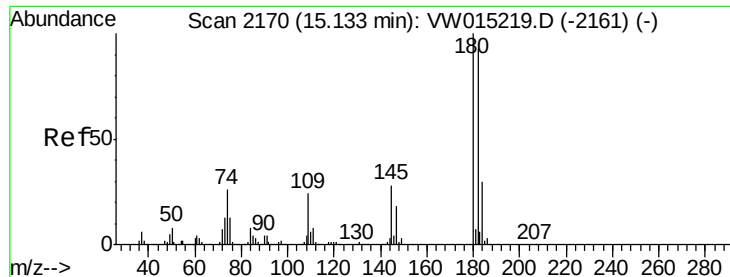
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.6	65.0
148	65.3	31.0	93.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.586 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	41.6	124.9
157	122.3	53.8	161.2

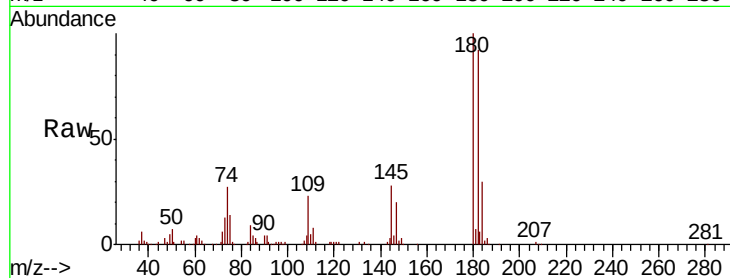




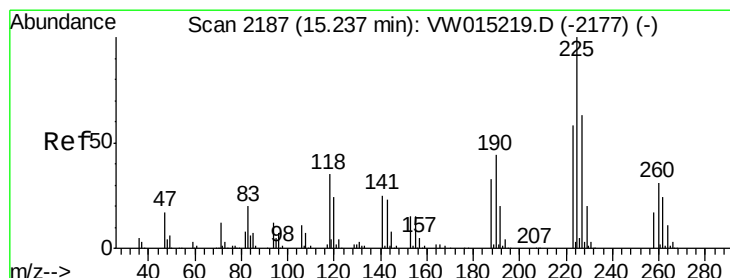
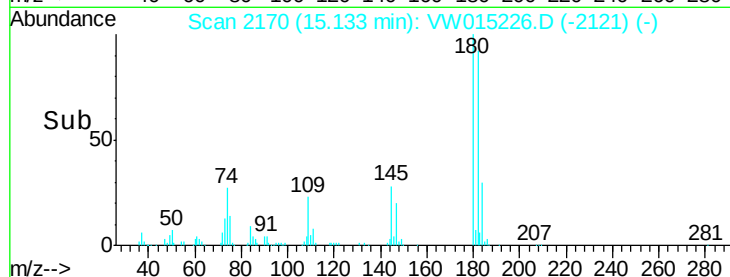
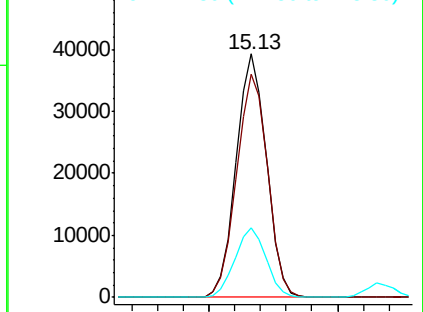
#93
 1,2,4-Trichlorobenzene
 Concen: 20.692 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

Tot Ion:180 Resp: 64054
 Ion Ratio Lower Upper
 180 100
 182 93.6 47.1 141.4
 145 29.1 16.2 48.6

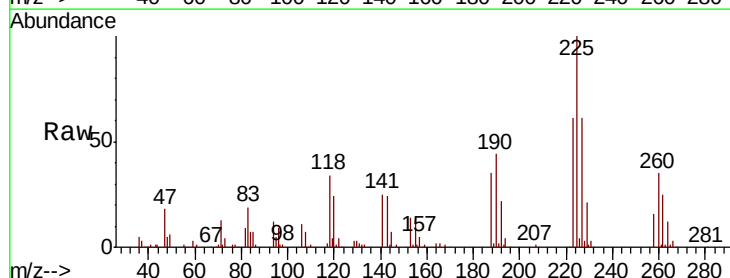


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

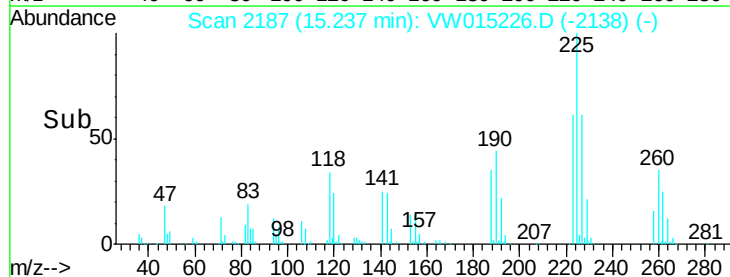
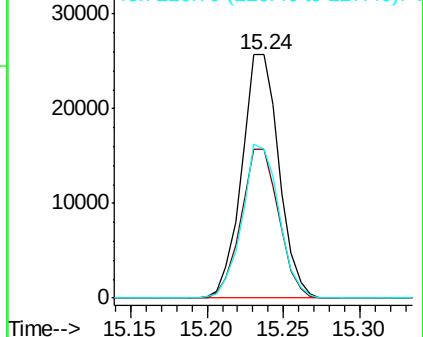


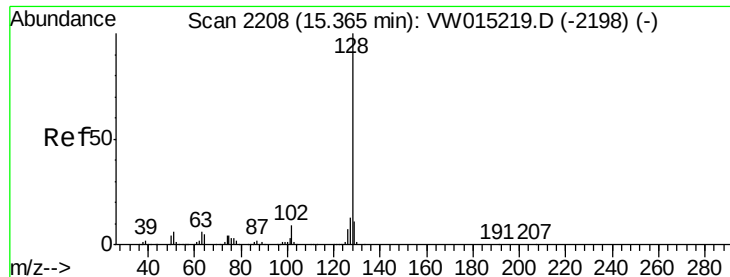
#94
 Hexachlorobutadiene
 Concen: 21.039 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015226.D
 Acq: 20 Apr 2020 16:46

Tgt Ion:225 Resp: 43421
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.0 93.0
 227 62.3 30.8 92.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

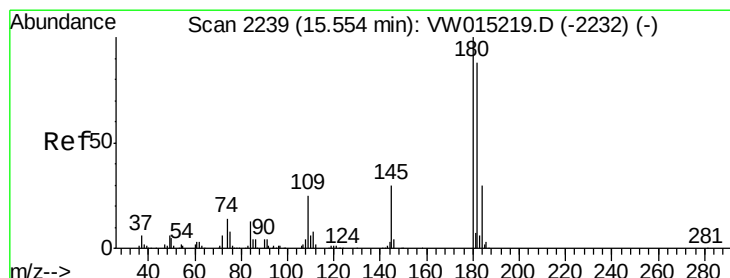
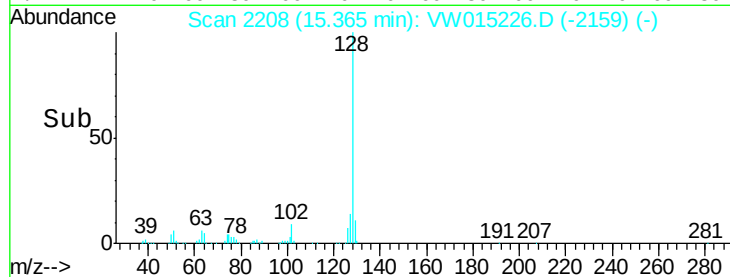
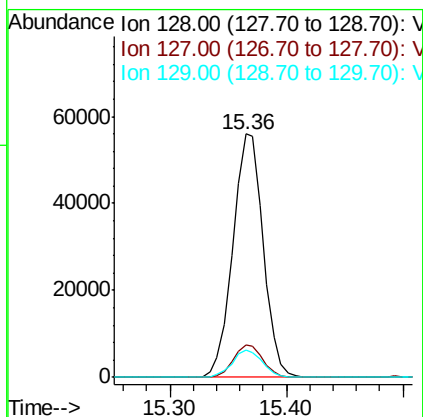
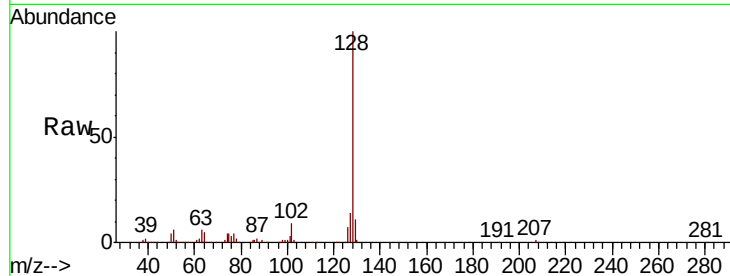




#95
Naphthalene
Concen: 20.360 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion:128 Resp: 101385
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.779 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW015226.D
Acq: 20 Apr 2020 16:46

Tgt Ion:180 Resp: 52334
Ion Ratio Lower Upper
180 100
182 94.3 48.8 146.3
145 32.1 17.2 51.6

