

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112420\
 Data File : VW017484.D
 Acq On : 24 Nov 2020 19:52
 Operator : SY/VA
 Sample : VIBLK
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BLK

Quant Time: Nov 25 01:48:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 25 01:45:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	696	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1429	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.72	152	235	25.00	ug/L	0.16

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	67	7.32	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	29.28%#
7) Chloroethane-d5	3.01	69	143	18.51	ug/L	0.12
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.04%
10) 1,1-Dichloroethene-d2	0.00	63	0	0.00	ug/L	
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.00%#
20) 2-Butanone-d5	7.10	46	27	13.98	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	27.96%
24) Chloroform-d	7.64	84	59	2.98	ug/L	-0.01
Spiked Amount	25.000	Range	40 - 150	Recovery	=	11.92%#
26) 1,2-Dichloroethane-d4	8.31	65	333	34.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	137.28%#
29) Benzene-d6	8.29	84	240	2.73	ug/L	0.01
Spiked Amount	25.000	Range	20 - 135	Recovery	=	10.92%#
33) 1,2-Dichloropropane-d6	9.27	67	79	3.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	13.00%#
37) Toluene-d8	10.34	98	1295	16.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	64.72%
38) trans-1,3-Dichloropropene-	10.57	79	192	17.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	70.68%
39) 2-Hexanone-d5	10.66	63	50	16.61	ug/L	-0.26
Spiked Amount	50.000	Range	20 - 135	Recovery	=	33.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	552	31.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	126.20%#
61) 1,2-Dichlorobenzene-d4	13.72	152	235	27.01	ug/L	-0.13
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	2.23	50	33	4.847	ug/L #	23
5) Vinyl chloride	2.38	62	41	4.855	ug/L #	40
6) Bromomethane	2.85	94	219	36.016	ug/L	83
8) Chloroethane	2.93	64	80	14.101	ug/L #	43
12) 1,1-Dichloroethene	4.11	96	76	7.875	ug/L #	1
13) Acetone	4.14	43	932	501.640	ug/L	77
14) Carbon disulfide	4.47	76	22	0.797	ug/L #	76
15) Methyl Acetate	4.81	43	237	73.284	ug/L	96
16) Methylene chloride	4.92	84	7883	754.371	ug/L	97
21) 2-Butanone	7.15	43	529	237.932	ug/L	93
22) cis-1,2-Dichloroethene	7.18	96	71	6.859	ug/L #	59
23) Bromochloromethane	7.52	128	21	4.466	ug/L #	1
25) Chloroform	7.66	83	155	8.766	ug/L #	17
30) Cyclohexane	7.95	56	85	2.494	ug/L #	1
31) 1,1,1-Trichloroethane	7.90	97	104	3.075	ug/L #	24
32) Carbon tetrachloride	8.09	117	126	3.837	ug/L	98
34) Benzene	8.34	78	120	1.397	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

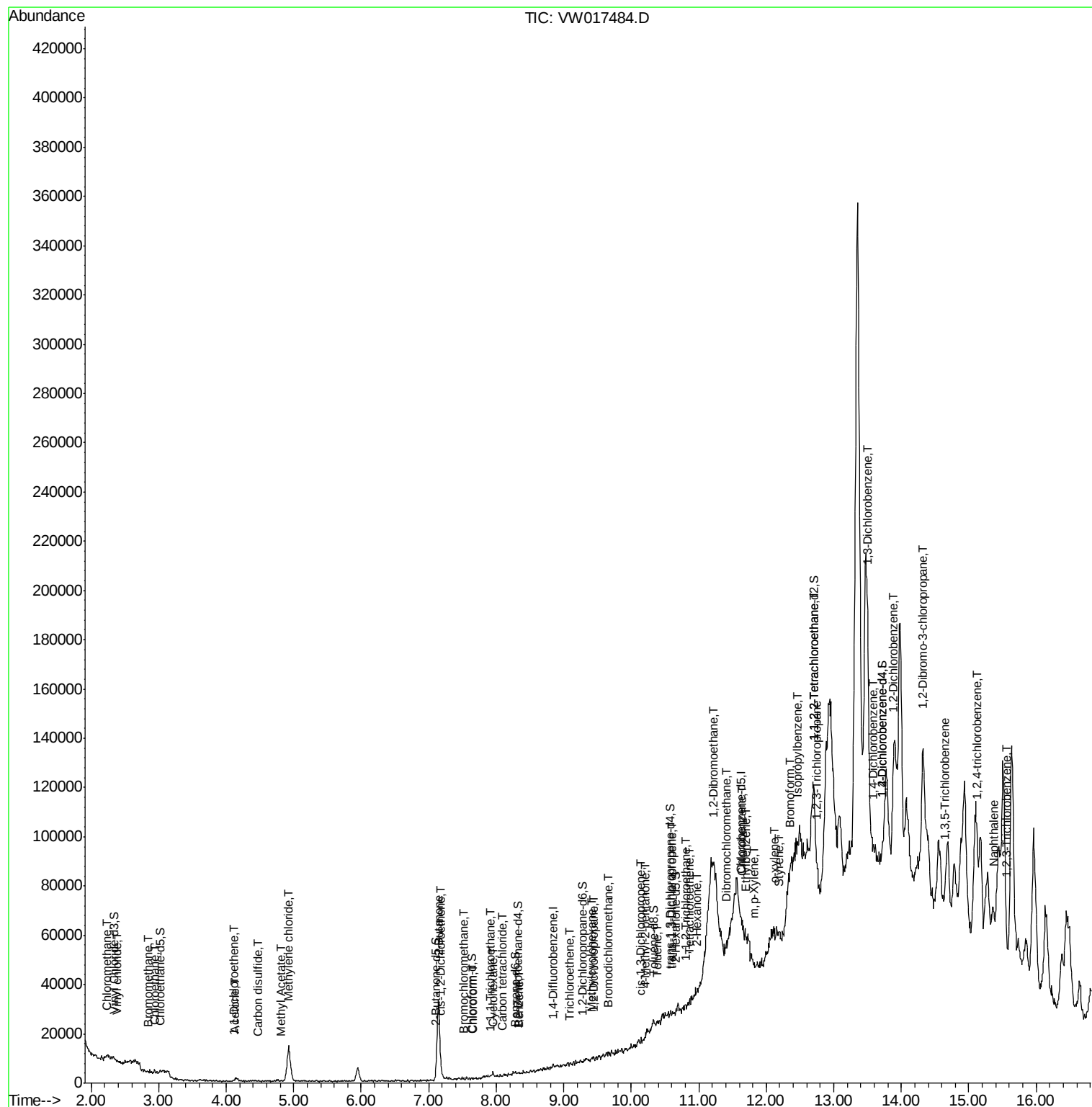
35) Trichloroethene	9.08	95	93	3.906	ug/L #	3
36) Methylcyclohexane	9.42	83	133	3.378	ug/L	87
40) 1,2-Dichloropropane	9.45	63	45	2.231	ug/L #	1
41) Bromodichloromethane	9.66	83	314	11.265	ug/L #	64
42) cis-1,3-Dichloropropene	10.13	75	47	1.504	ug/L #	1
43) 4-Methyl-2-pentanone	10.21	43	680	73.216	ug/L #	92
44) Toluene	10.38	91	478	5.172	ug/L #	62
45) trans-1,3-Dichloropropene	10.60	75	90	3.361	ug/L #	1
46) 1,1,2-Trichloroethane	10.80	97	164	10.850	ug/L #	71
47) Tetrachloroethene	10.87	164	229	11.288	ug/L #	1
49) 2-Hexanone	10.97	43	197	30.035	ug/L #	1
50) Dibromochloromethane	11.40	129	177	9.374	ug/L	80
51) 1,2-Dibromoethane	11.23	107	112	7.731	ug/L #	1
52) Chlorobenzene	11.65	112	247	4.081	ug/L #	1
53) Ethylbenzene	11.69	91	176	1.680	ug/L	88
54) m,p-Xylene	11.83	106	357	8.929	ug/L	98
55) o-xylene	12.13	106	344	9.238	ug/L	81
56) Styrene	12.19	104	225	3.592	ug/L #	1
57) Isopropylbenzene	12.47	105	469	4.585	ug/L #	63
58) 1,1,2,2-Tetrachloroethane	12.69	83	588	36.141	ug/L #	33
59) 1,2,3-Trichloropropane	12.76	75	125	10.409	ug/L #	1
62) Bromoform	12.34	173	398	119.470	ug/L #	93
63) 1,3-Dichlorobenzene	13.51	146	142	9.371	ug/L #	1
64) 1,4-Dichlorobenzene	13.58	146	337	22.450	ug/L #	1
65) 1,2-Dichlorobenzene	13.88	146	152	11.517	ug/L #	31
66) 1,2-Dibromo-3-chloropropan	14.31	75	2973	3498.650	ug/L #	1
67) 1,3,5-Trichlorobenzene	14.64	180	345	31.782	ug/L #	76
68) 1,2,4-trichlorobenzene	15.13	180	372	42.392	ug/L #	48
69) Naphthalene	15.37	128	896	66.126	ug/L #	42
70) 1,2,3-Trichlorobenzene	15.56	180	290	39.619	ug/L #	39

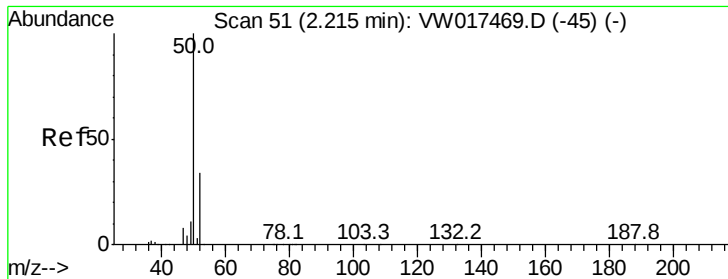
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 4.847 ug/L

RT: 2.23 min Scan# 53

Delta R.T. 0.01 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

Instrument :

MSVOA_W

ClientSampled :

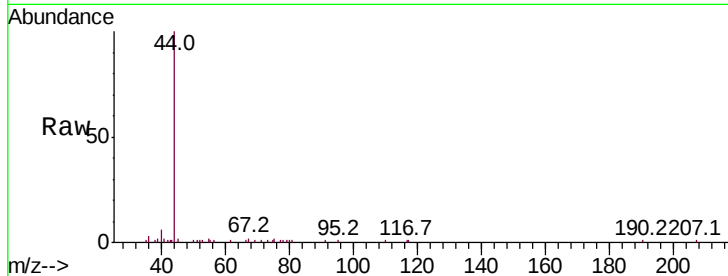
BLK

Tot Ion: 50 Resp: 33

Ion Ratio Lower Upper

50 100

52 77.5 23.4 43.6#



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

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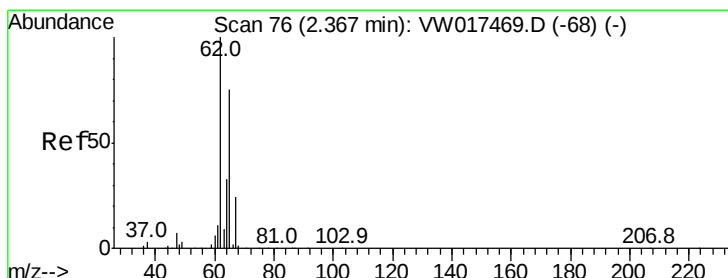
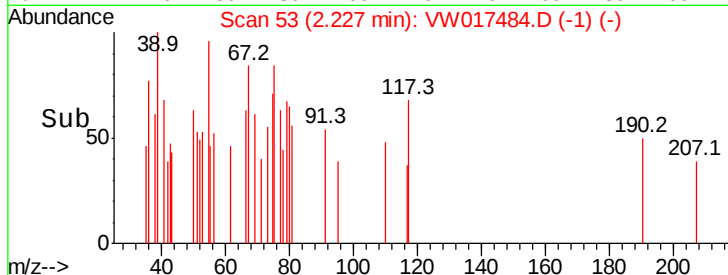
2.23

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#5

Vinyl chloride

Concen: 4.855 ug/L

RT: 2.38 min Scan# 78

Delta R.T. 0.01 min

Lab File: VW017484.D

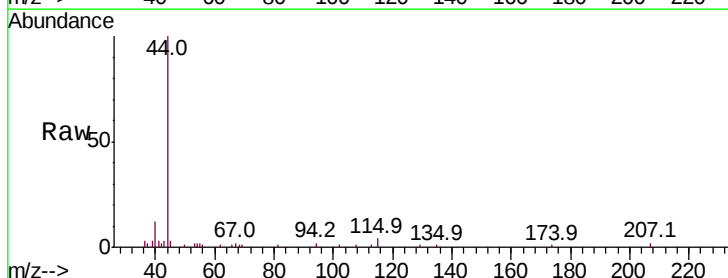
Acq: 24 Nov 2020 19:52

Tgt Ion: 62 Resp: 41

Ion Ratio Lower Upper

62 100

64 0.0 23.9 44.5#



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

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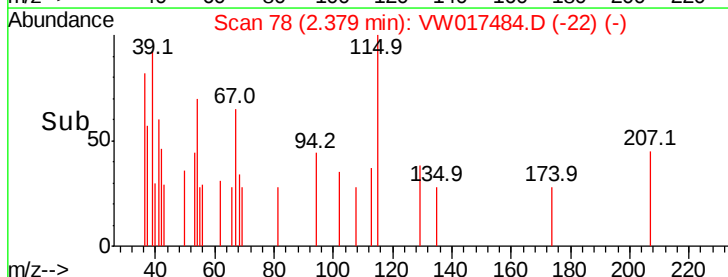
2.38

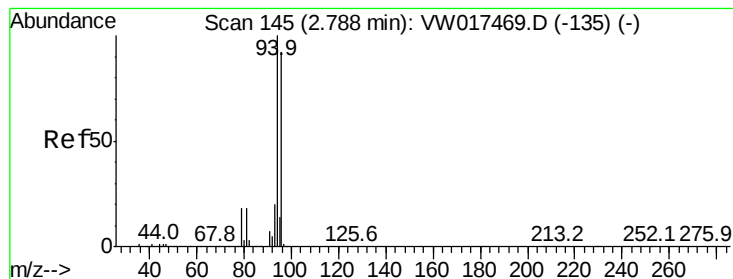
2.38

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#6

Bromomethane

Concen: 36.016 ug/L

RT: 2.85 min Scan# 155

Delta R.T. 0.06 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

Instrument :

MSVOA_W

ClientSampled :

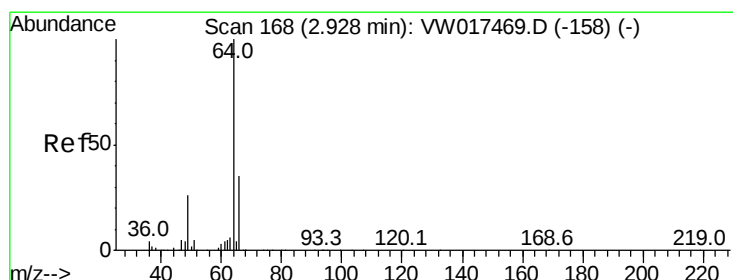
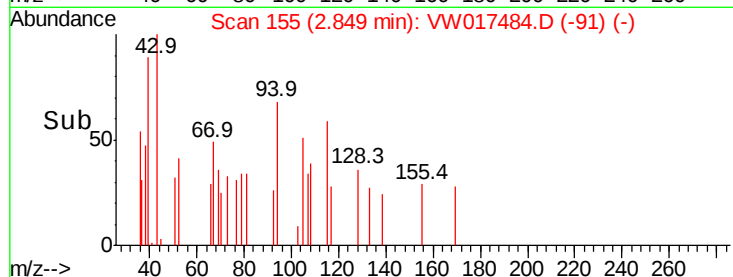
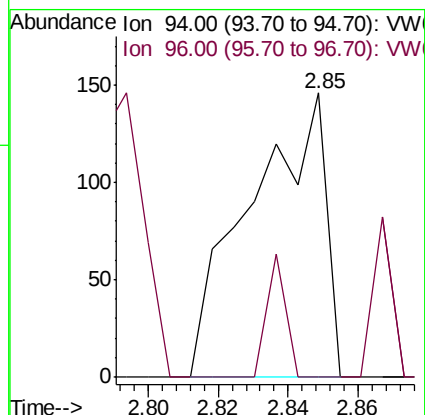
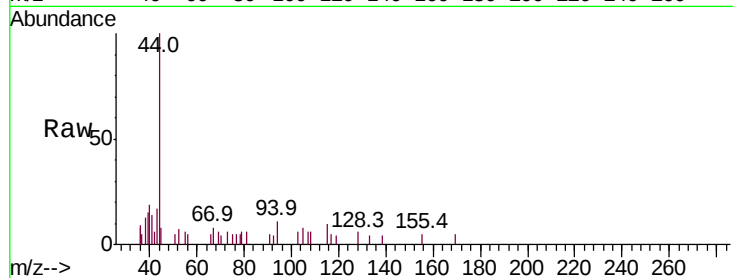
BLK

Tot Ion: 94 Resp: 219

Ion Ratio Lower Upper

94 100

96 77.2 9.4 178.0



#8

Chloroethane

Concen: 14.101 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW017484.D

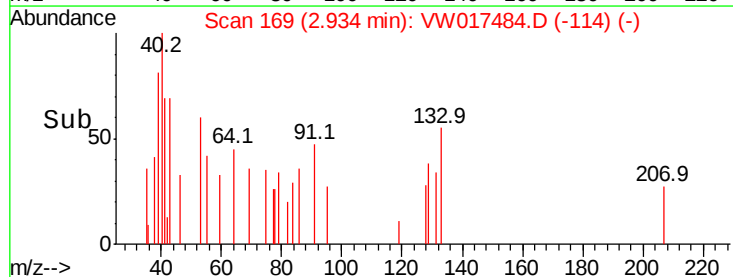
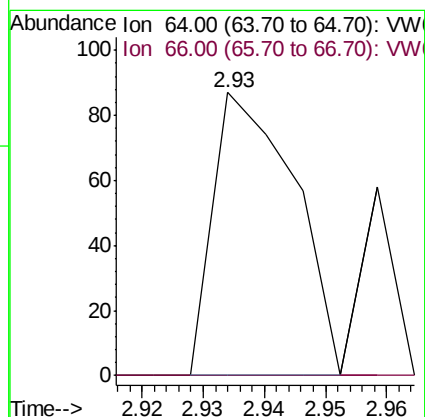
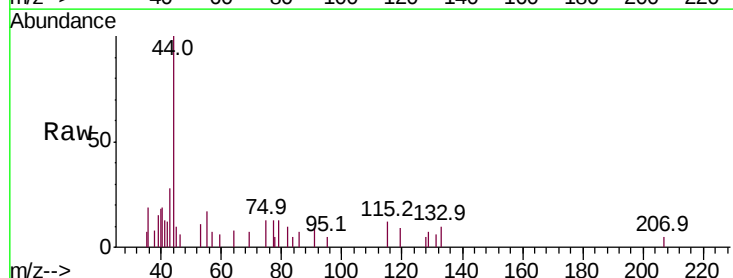
Acq: 24 Nov 2020 19:52

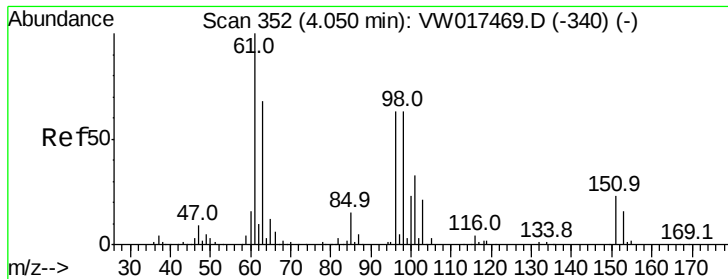
Tgt Ion: 64 Resp: 80

Ion Ratio Lower Upper

64 100

66 0.0 22.0 41.0#





#12

1,1-Dichloroethene

Concen: 7.875 ug/L

RT: 4.11 min Scan# 362

Delta R.T. 0.06 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

Instrument :

MSVOA_W

ClientSampled :

BLK

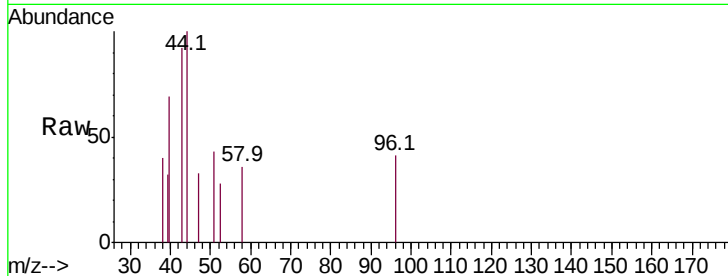
Tot Ion: 96 Resp: 76

Ion Ratio Lower Upper

96 100

61 0.0 112.5 208.9#

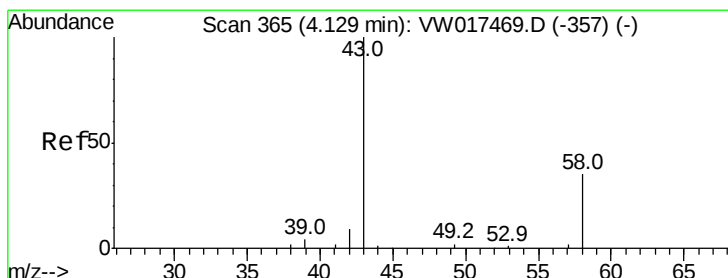
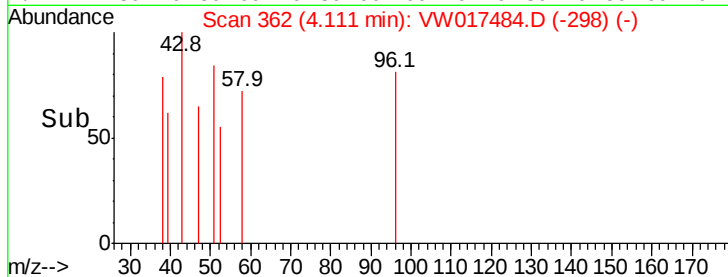
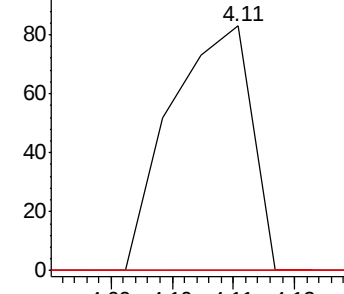
63 0.0 83.1 154.3#



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW



#13

Acetone

Concen: 501.640 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017484.D

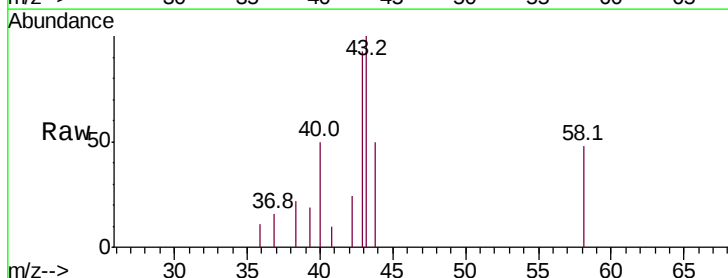
Acq: 24 Nov 2020 19:52

Tgt Ion: 43 Resp: 932

Ion Ratio Lower Upper

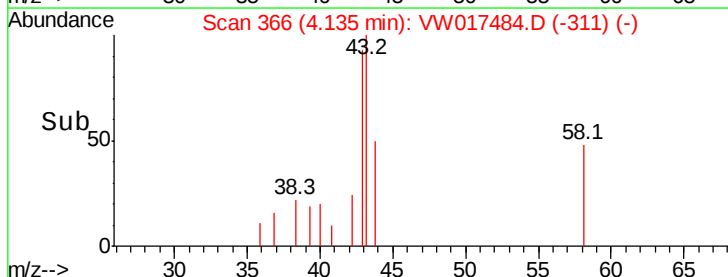
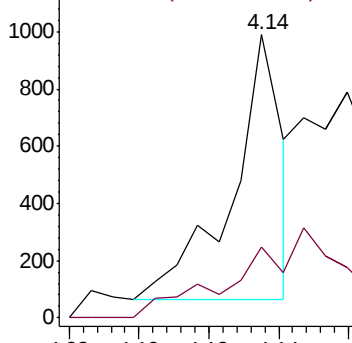
43 100

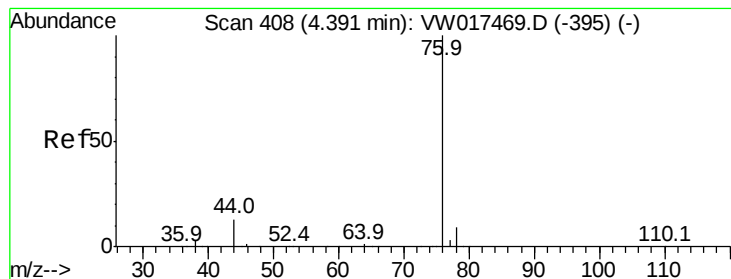
58 21.1 0.0 68.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#14

Carbon disulfide

Concen: 0.797 ug/L

RT: 4.47 min Scan# 421

Delta R.T. 0.08 min

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ClientSampled :

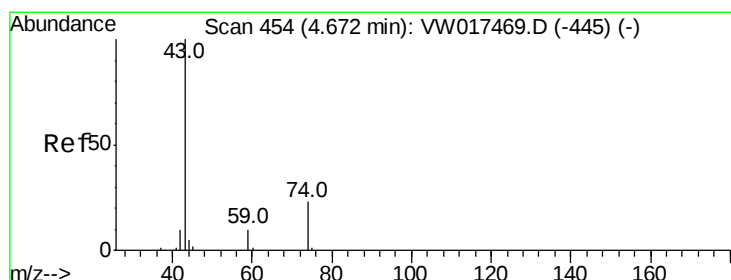
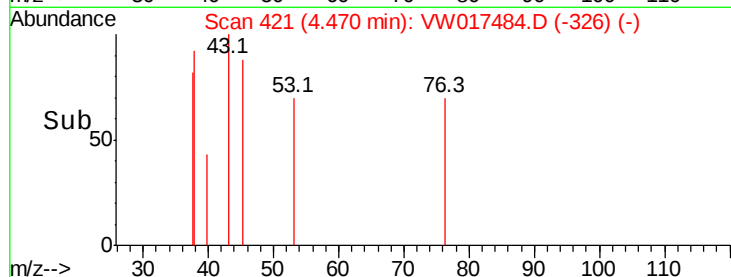
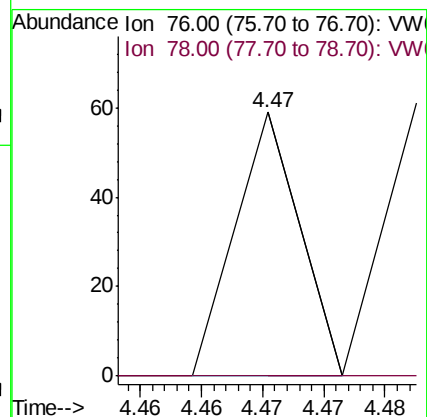
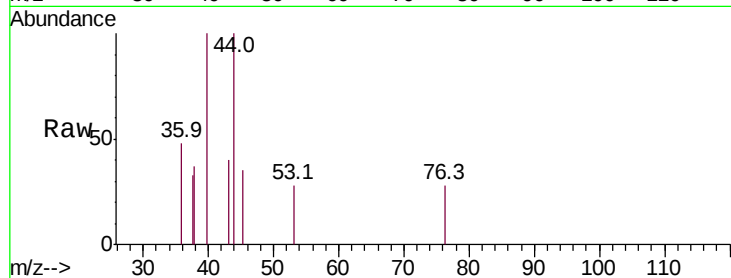
BLK

Tot Ion: 76 Resp: 22

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



#15

Methyl Acetate

Concen: 73.284 ug/L

RT: 4.81 min Scan# 477

Delta R.T. 0.14 min

Lab File: VW017484.D

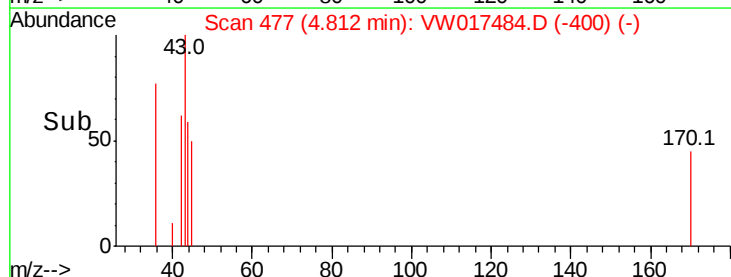
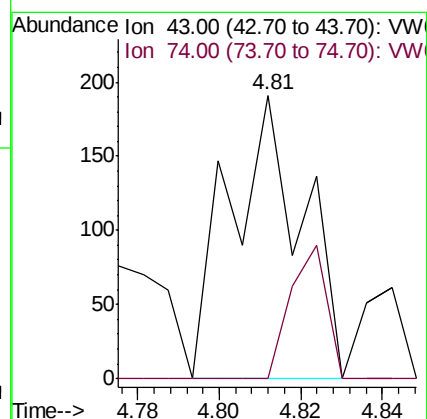
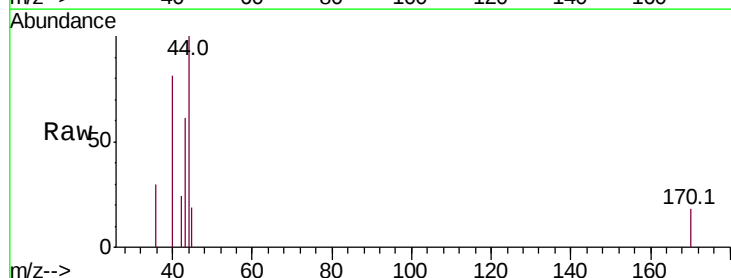
Acq: 24 Nov 2020 19:52

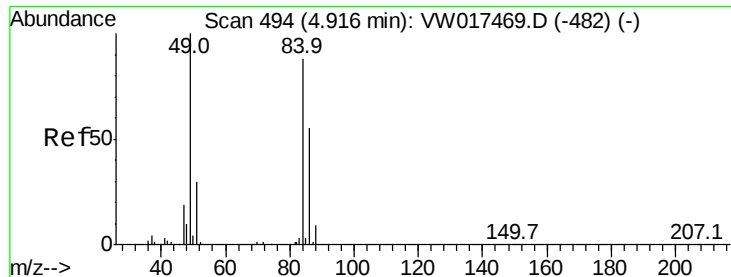
Tgt Ion: 43 Resp: 237

Ion Ratio Lower Upper

43 100

74 23.6 20.7 31.1

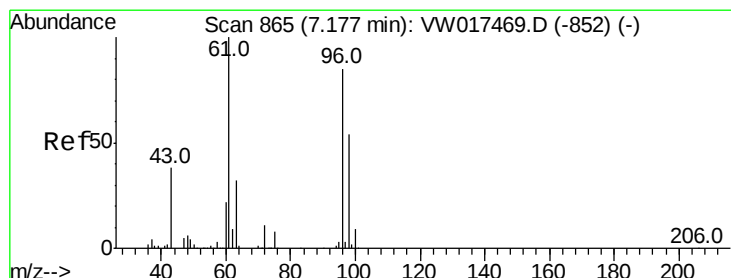
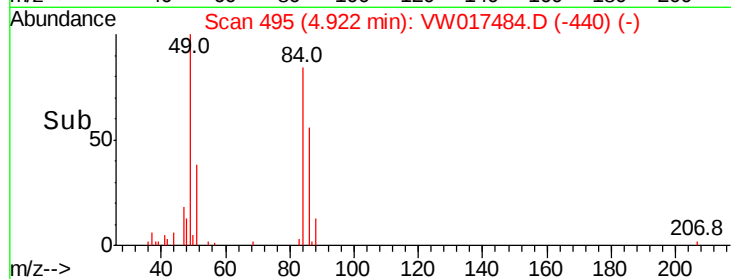
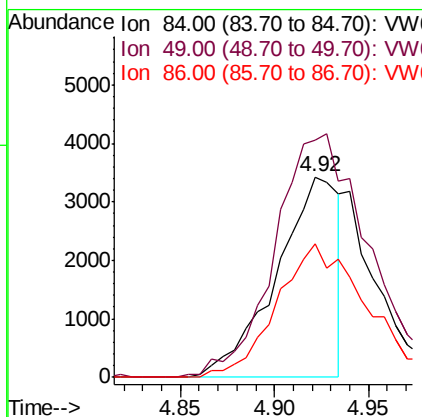
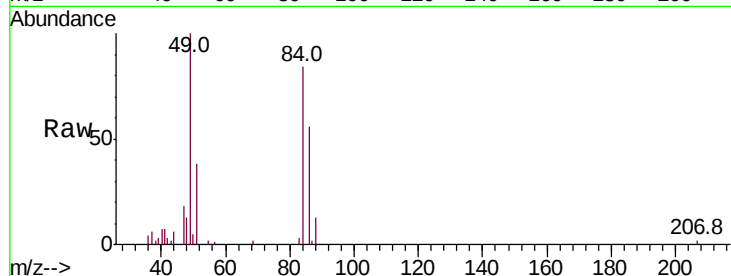




#16
Methvlene chloride
Concen: 754.371 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017484.D
Acq: 24 Nov 2020 19:52

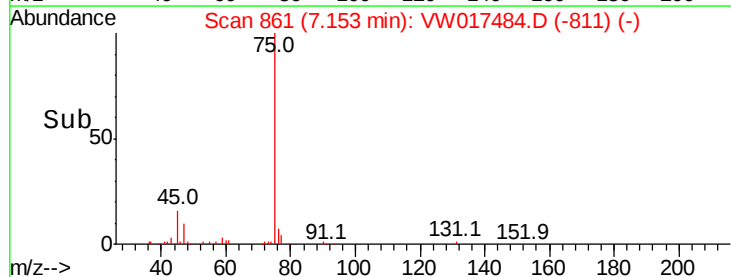
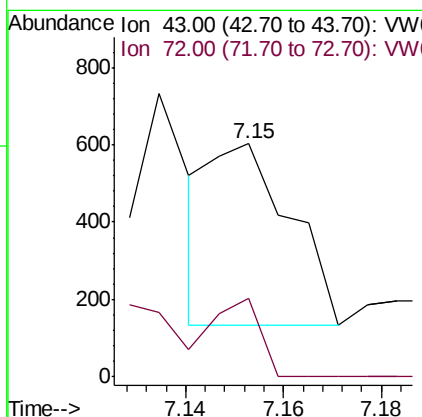
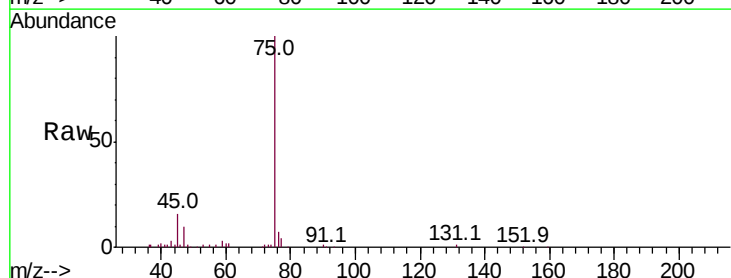
Instrument :
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ClientSampled :
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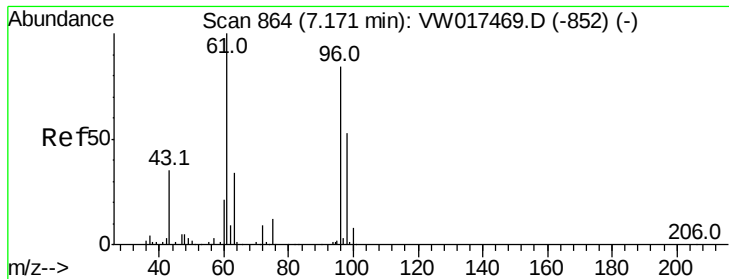
Tot Ion: 84 Resp: 7883
Ion Ratio Lower Upper
84 100
49 118.4 81.2 150.8
86 66.3 44.5 82.7



#21
2-Butanone
Concen: 237.932 ug/L
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW017484.D
Acq: 24 Nov 2020 19:52

Tgt Ion: 43 Resp: 529
Ion Ratio Lower Upper
43 100
72 25.3 14.4 43.2





#22

cis-1,2-Dichloroethene

Concen: 6.859 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

Instrument :

MSVOA_W

ClientSampled :

BLK

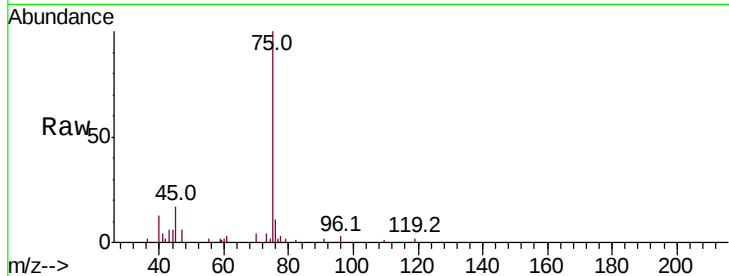
Tot Ion: 96 Resp: 71

Ion Ratio Lower Upper

96 100

61 99.1 84.6 157.2

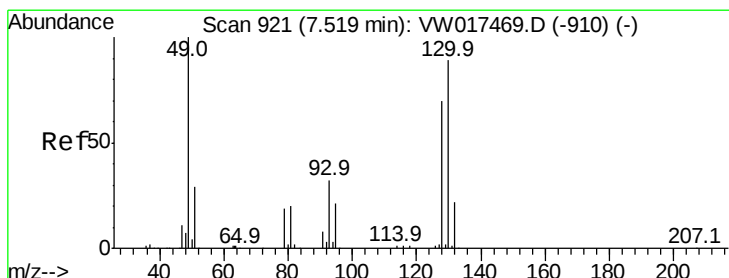
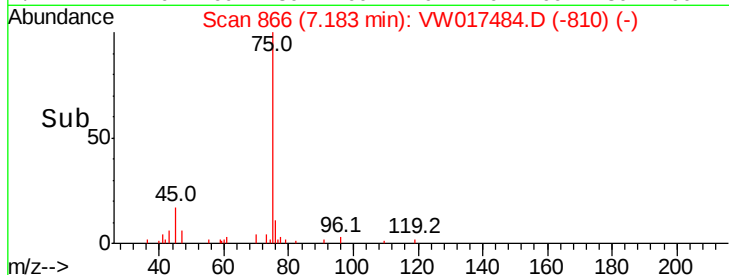
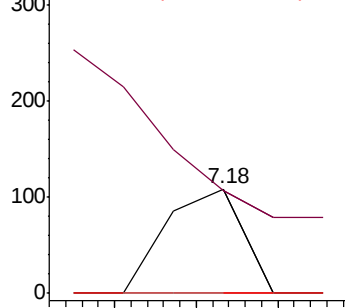
98 0.0 44.7 82.9#



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane

Concen: 4.466 ug/L

RT: 7.52 min Scan# 922

Delta R.T. 0.01 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

Tgt Ion: 128 Resp: 21

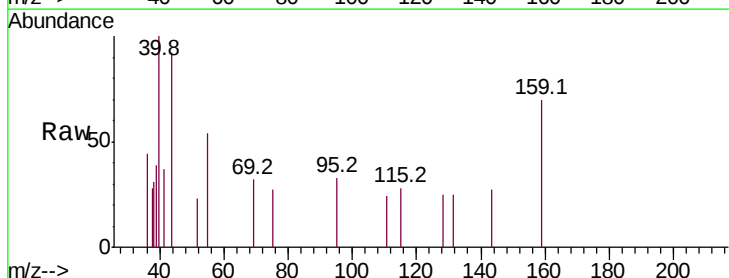
Ion Ratio Lower Upper

128 100

49 0.0 101.6 188.6#

130 0.0 90.4 167.8#

51 0.0 37.7 56.5#

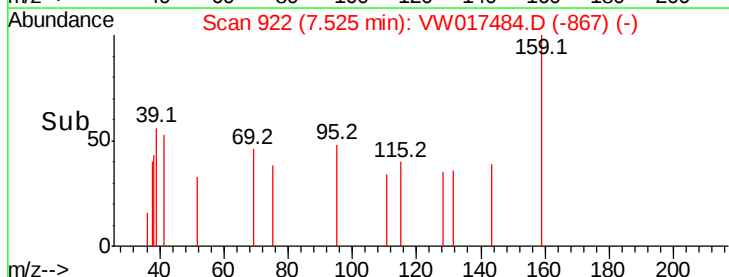
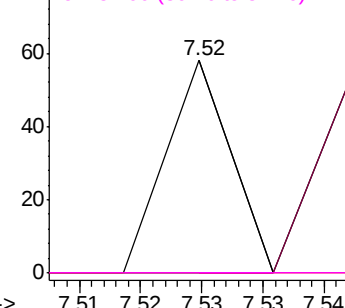


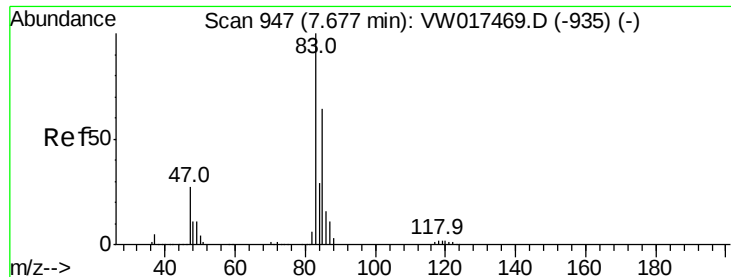
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 8.766 ug/L

RT: 7.66 min Scan# 945

Delta R.T. -0.01 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

Instrument :

MSVOA_W

ClientSampled :

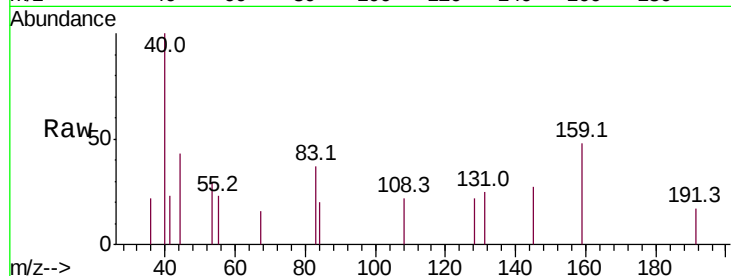
BLK

Tot Ion: 83 Resp: 155

Ion Ratio Lower Upper

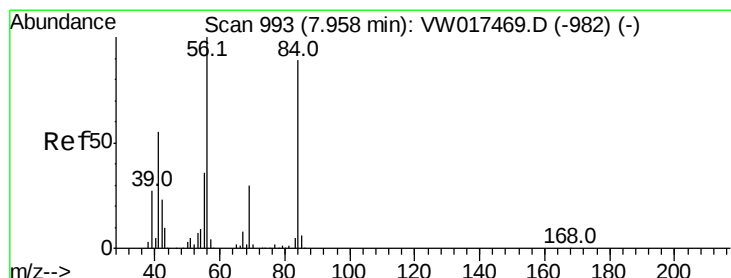
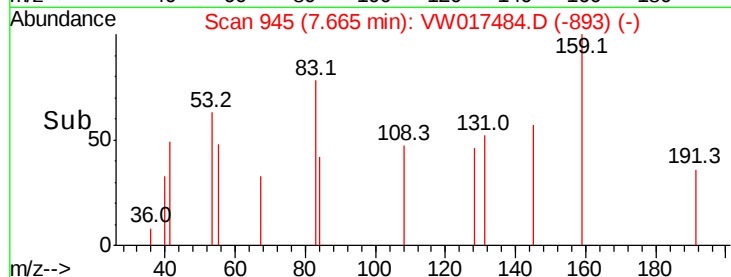
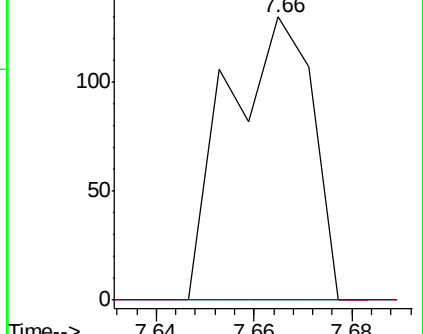
83 100

85 0.0 45.7 84.9#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#30

Cyclohexane

Concen: 2.494 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

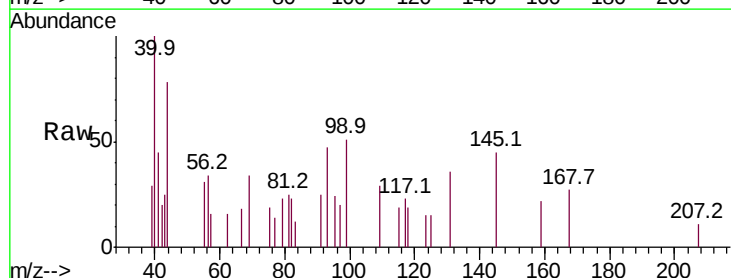
Tgt Ion: 56 Resp: 85

Ion Ratio Lower Upper

56 100

69 245.9 24.8 37.2#

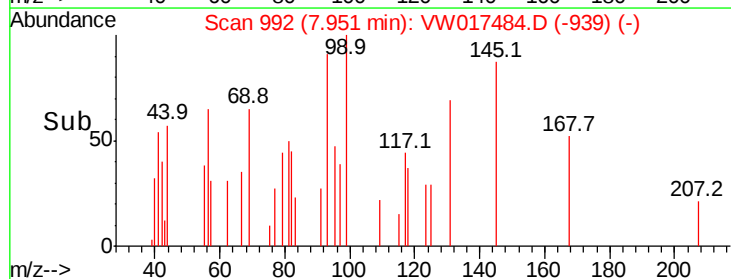
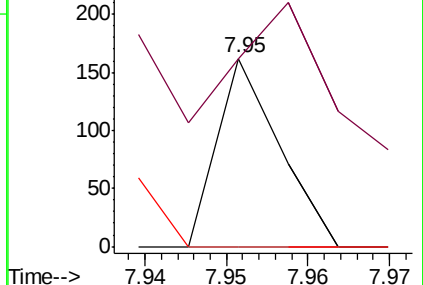
84 0.0 74.2 111.4#

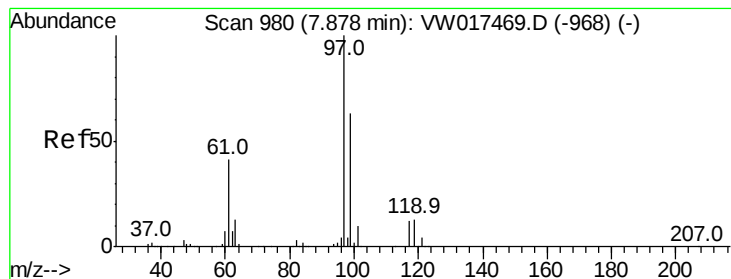


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#31

1,1,1-Trichloroethane

Concen: 3.075 ug/L

RT: 7.90 min Scan# 984

Delta R.T. 0.02 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

Instrument :

MSVOA_W

ClientSampleId :

BLK

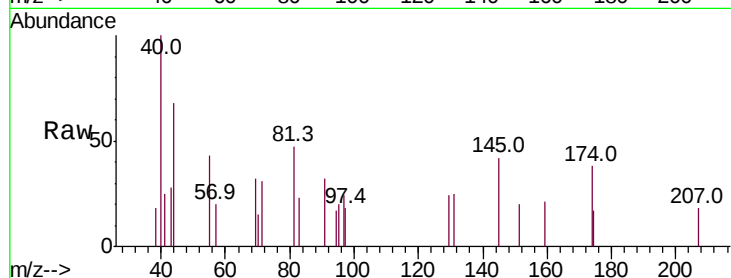
Tot Ion: 97 Resp: 104

Ion Ratio Lower Upper

97 100

99 0.0 51.0 76.4#

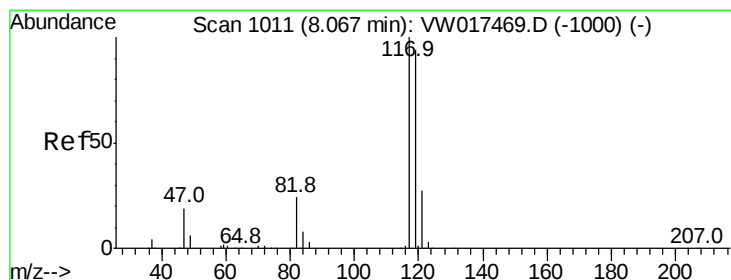
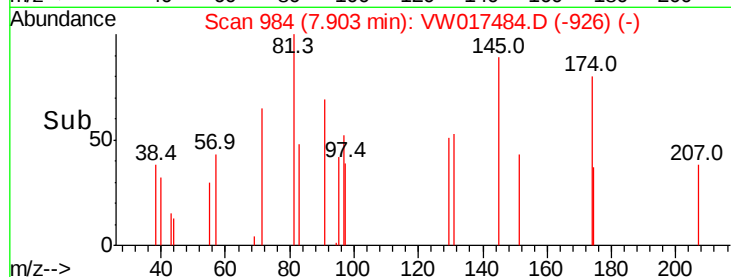
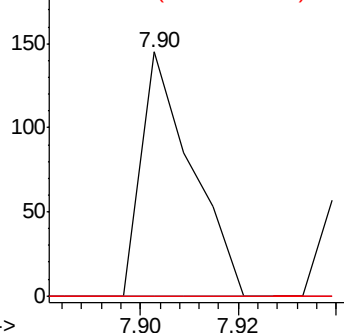
61 0.0 33.6 50.4#



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW



#32

Carbon tetrachloride

Concen: 3.837 ug/L

RT: 8.09 min Scan# 1014

Delta R.T. 0.02 min

Lab File: VW017484.D

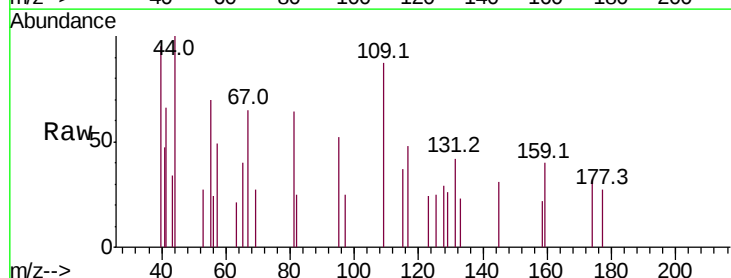
Acq: 24 Nov 2020 19:52

Tgt Ion: 117 Resp: 126

Ion Ratio Lower Upper

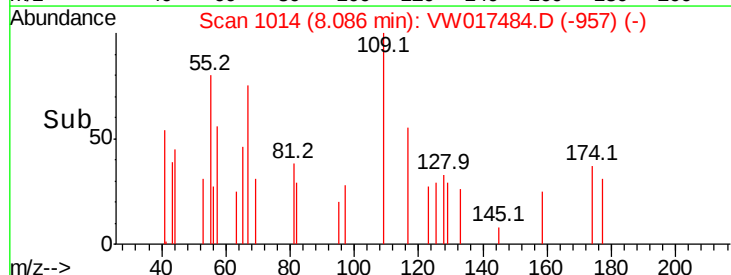
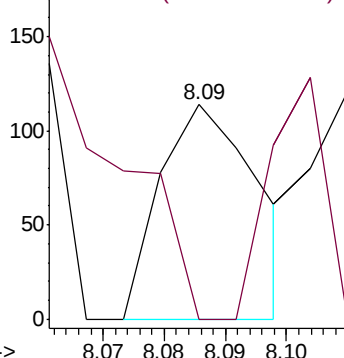
117 100

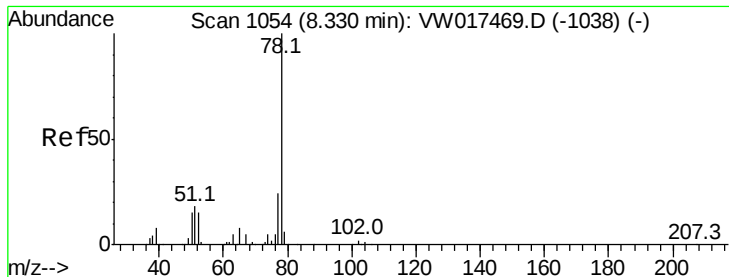
119 92.9 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 1.397 ug/L

RT: 8.34 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

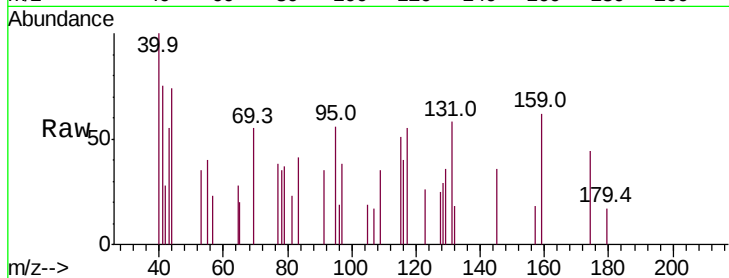
Instrument :

MSVOA_W

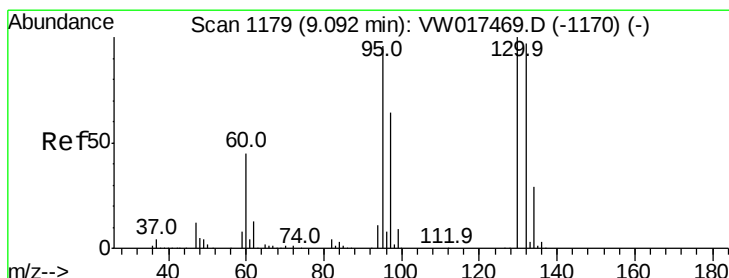
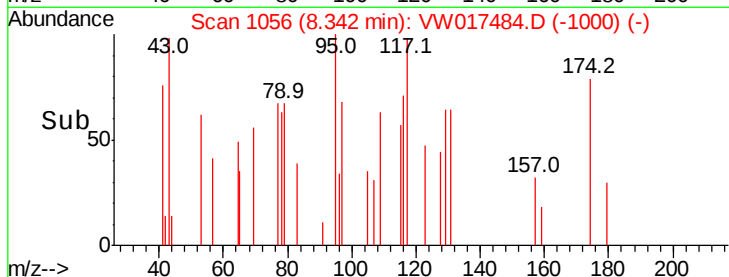
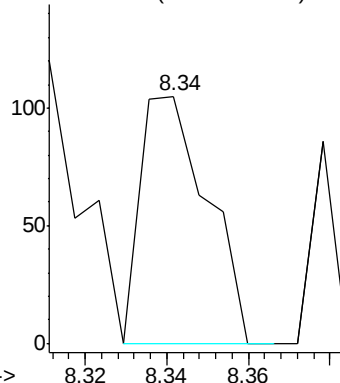
ClientSampled :

BLK

Tgt Ion: 78 Resp: 120



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 3.906 ug/L

RT: 9.08 min Scan# 1177

Delta R.T. -0.01 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

Tgt Ion: 95 Resp: 93

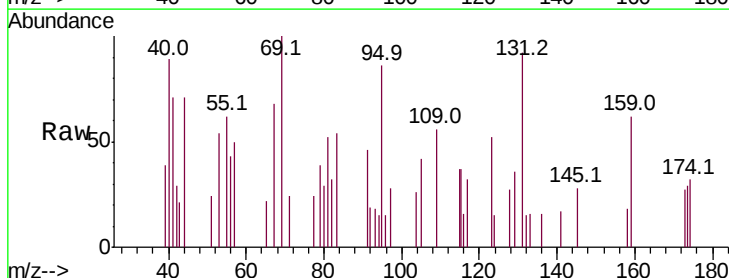
Ion Ratio Lower Upper

95 100

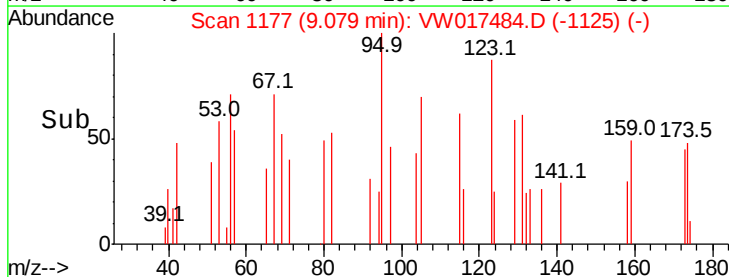
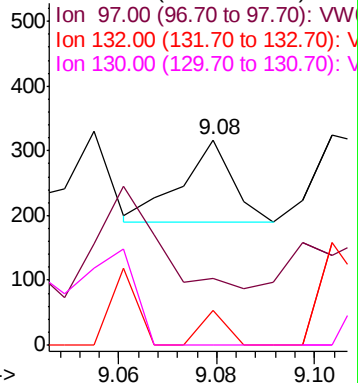
97 0.0 45.0 83.6#

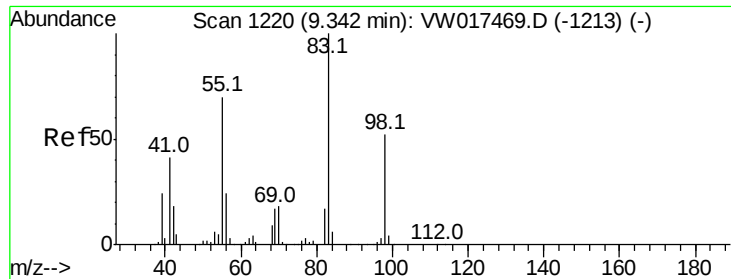
132 0.0 71.0 131.8#

130 0.0 75.6 140.4#



Abundance Ion 95.00 (94.70 to 95.70): VW

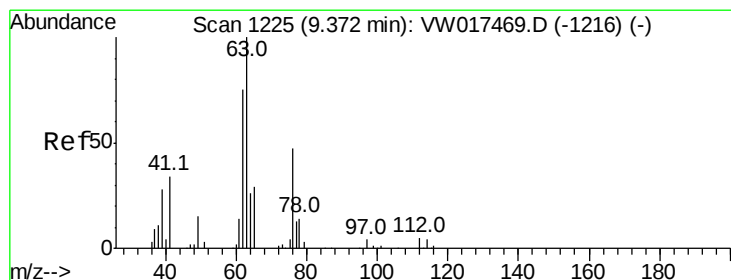
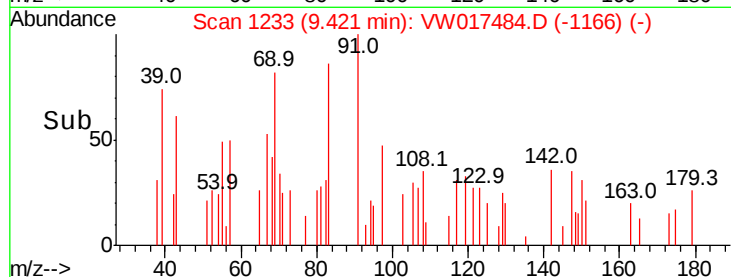
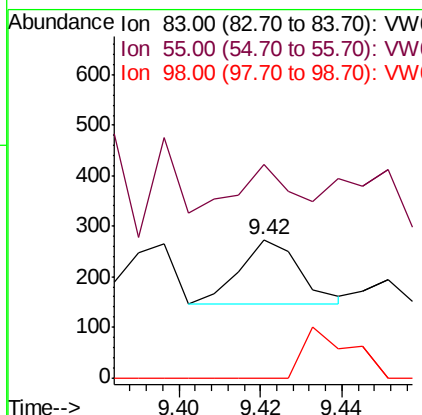
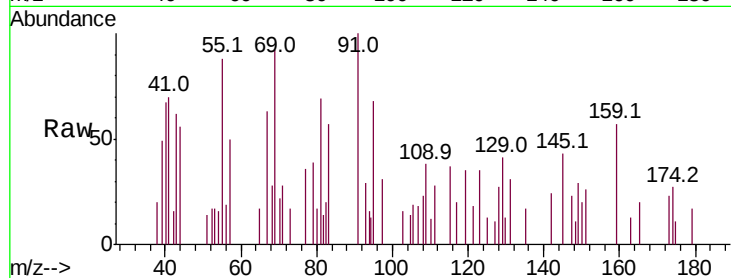




#36
Methylcyclohexane
Concen: 3.378 ug/L
RT: 9.42 min Scan# 1233
Delta R.T. 0.08 min
Lab File: VW017484.D
Acq: 24 Nov 2020 19:52

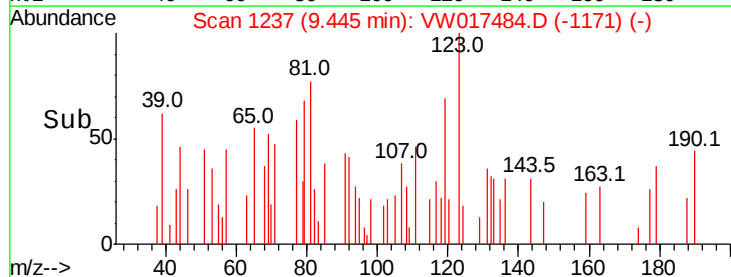
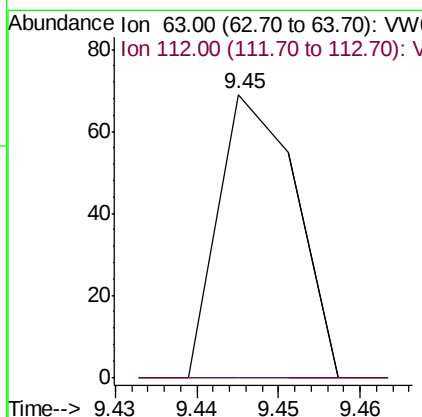
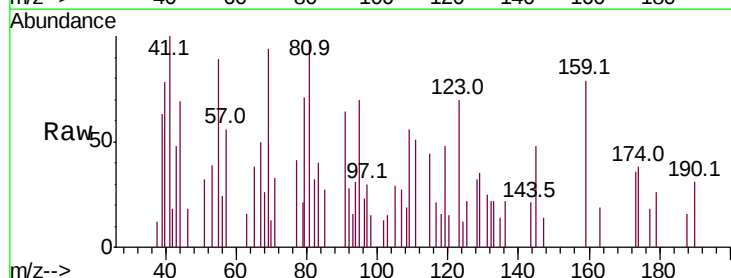
Instrument :
MSVOA_W
ClientSampled :
BLK

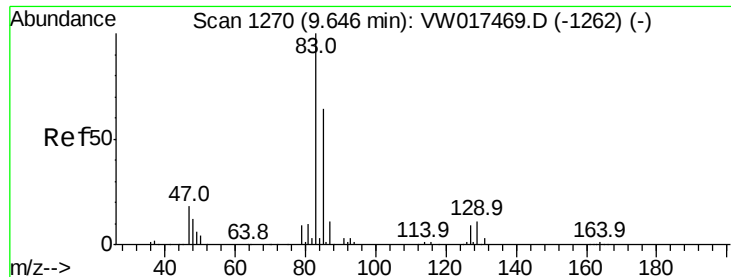
Tot Ion: 83 Resp: 133
Ion Ratio Lower Upper
83 100
55 62.4 59.4 89.0
98 59.4 40.7 61.1



#40
1,2-Dichloropropane
Concen: 2.231 ug/L
RT: 9.45 min Scan# 1237
Delta R.T. 0.07 min
Lab File: VW017484.D
Acq: 24 Nov 2020 19:52

Tgt Ion: 63 Resp: 45
Ion Ratio Lower Upper
63 100
112 162.2 4.2 6.4#





#41

Bromodichloromethane

Concen: 11.265 ug/L

RT: 9.66 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

Instrument :

MSVOA_W

ClientSampled :

BLK

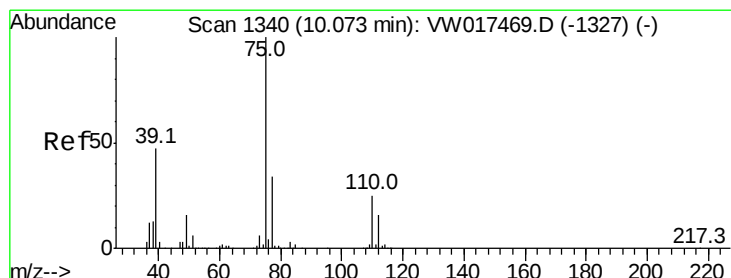
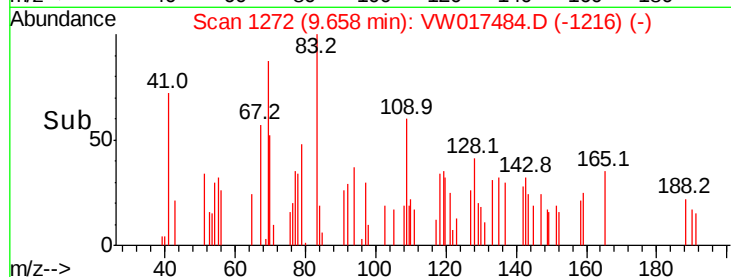
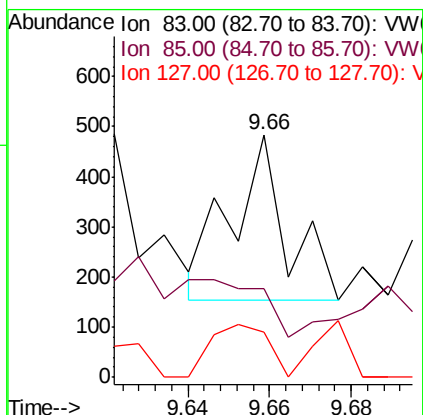
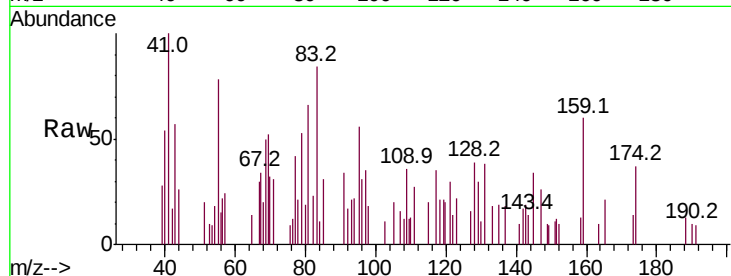
Tot Ion: 83 Resp: 314

Ion Ratio Lower Upper

83 100

85 36.4 46.8 86.8#

127 18.8 7.6 11.4#



#42

cis-1,3-Dichloropropene

Concen: 1.504 ug/L

RT: 10.13 min Scan# 1350

Delta R.T. 0.06 min

Lab File: VW017484.D

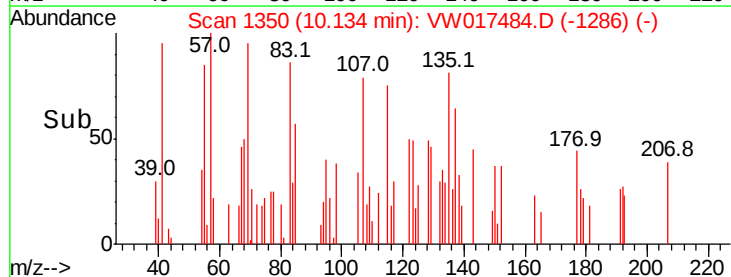
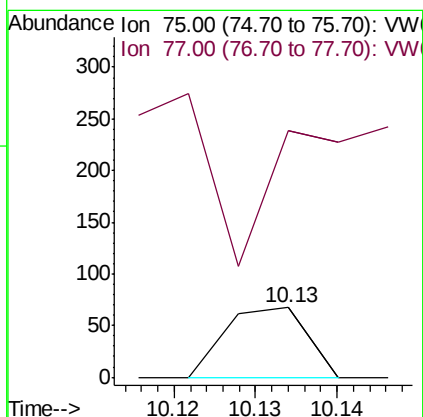
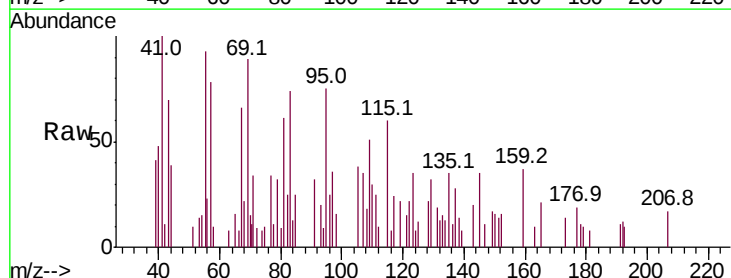
Acq: 24 Nov 2020 19:52

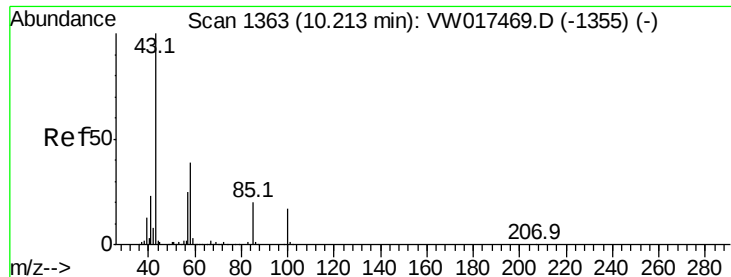
Tgt Ion: 75 Resp: 47

Ion Ratio Lower Upper

75 100

77 471.6 22.7 42.3#

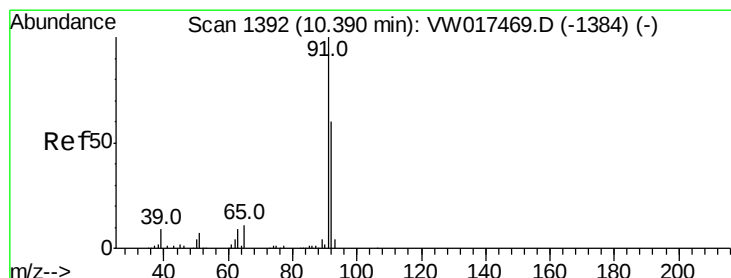
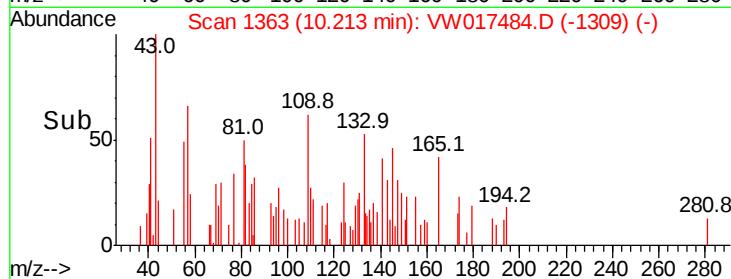
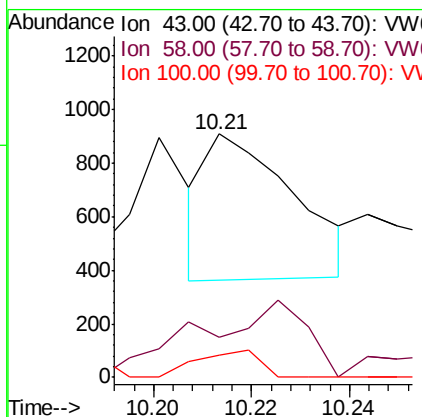
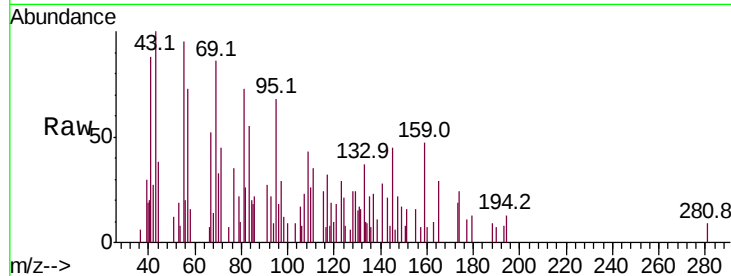




#43
4-Methyl-2-pentanone
Concen: 73.216 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW017484.D
Acq: 24 Nov 2020 19:52

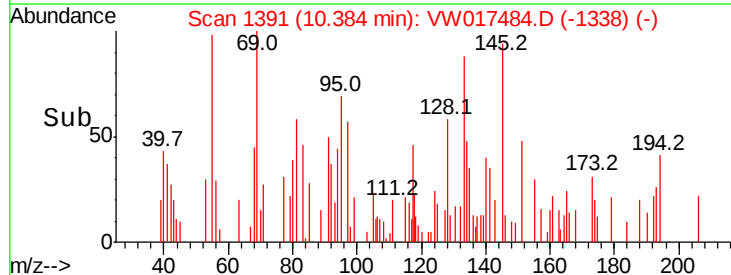
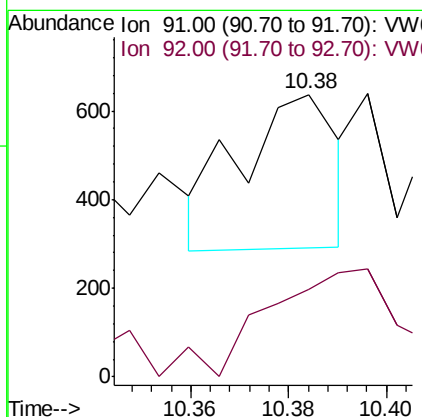
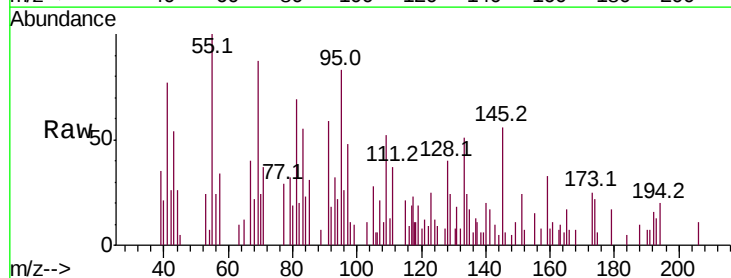
Instrument :
MSVOA_W
ClientSampled :
BLK

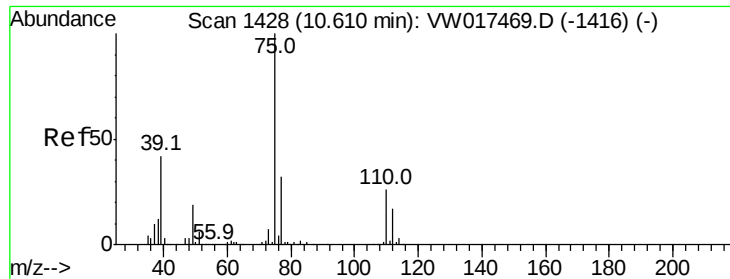
Tot Ion: 43 Resp: 680
Ion Ratio Lower Upper
43 100
58 35.4 31.6 47.4
100 13.4 14.1 21.1#



#44
Toluene
Concen: 5.172 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW017484.D
Acq: 24 Nov 2020 19:52

Tgt Ion: 91 Resp: 478
Ion Ratio Lower Upper
91 100
92 30.9 41.6 77.3#





#45

trans-1,3-Dichloropropene

Concen: 3.361 ug/L

RT: 10.60 min Scan# 1426

Delta R.T. -0.01 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

Instrument :

MSVOA_W

ClientSampled :

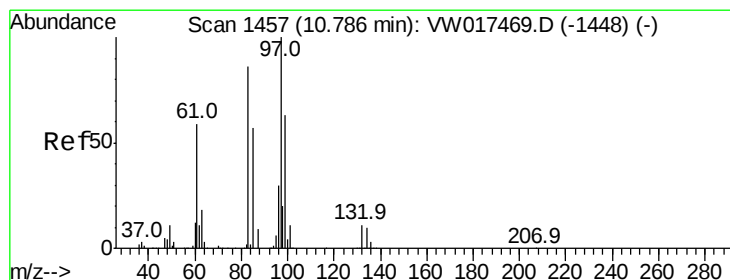
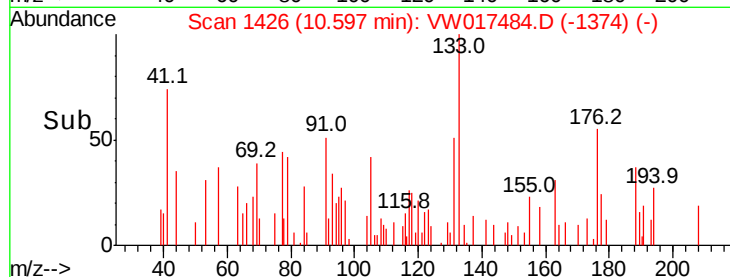
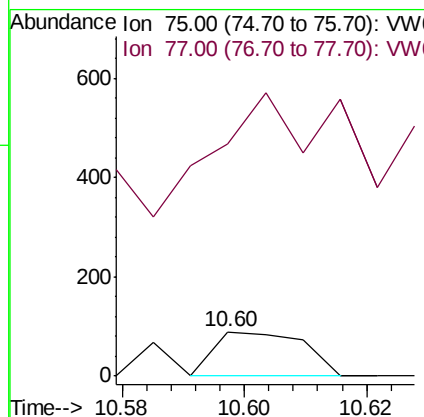
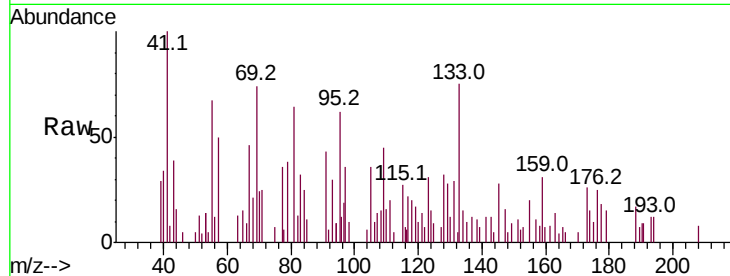
BLK

Tot Ion: 75 Resp: 90

Ion Ratio Lower Upper

75 100

77 518.9 22.6 42.0#



#46

1,1,2-Trichloroethane

Concen: 10.850 ug/L

RT: 10.80 min Scan# 1459

Delta R.T. 0.01 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

Tgt Ion: 97 Resp: 164

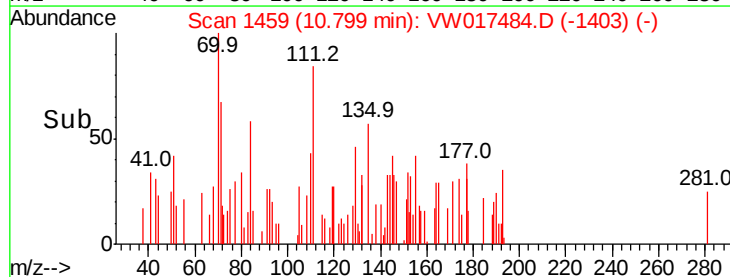
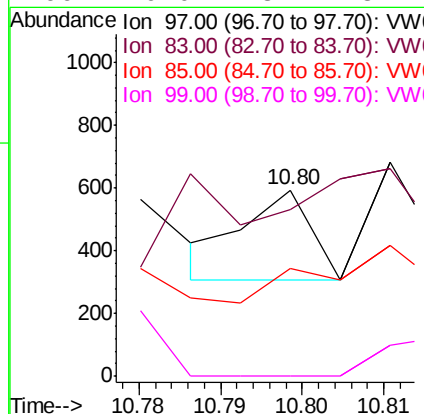
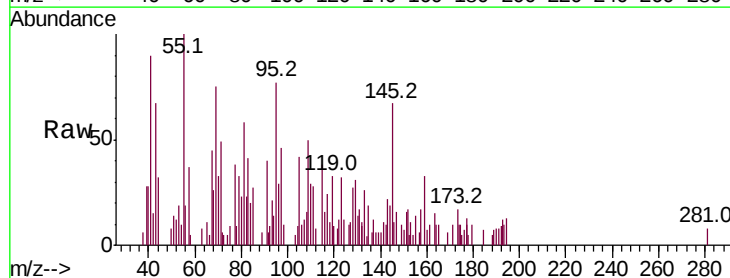
Ion Ratio Lower Upper

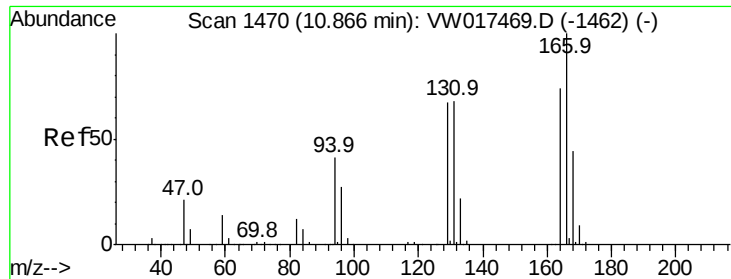
97 100

83 89.7 58.5 108.7

85 57.8 37.8 70.2

99 0.0 43.7 81.1#





#47

Tetrachloroethene

Concen: 11.288 ug/L

RT: 10.87 min Scan# 1471

Delta R.T. 0.01 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

Instrument :

MSVOA_W

ClientSampled :

BLK

Tot Ion:164 Resp: 229

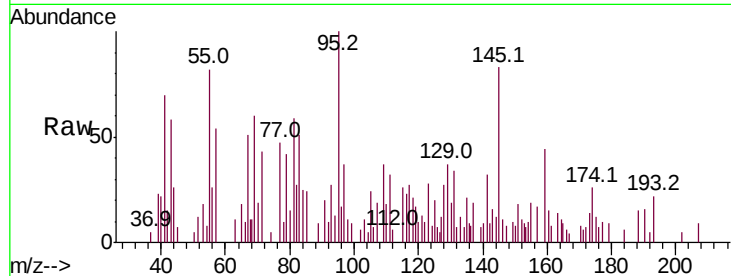
Ion Ratio Lower Upper

164 100

129 351.4 67.6 125.6#

131 322.5 65.2 121.2#

166 54.2 93.2 173.2#

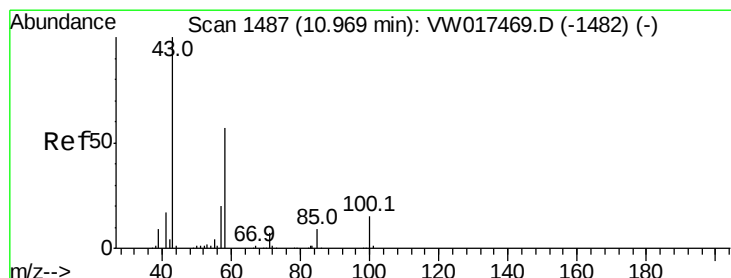
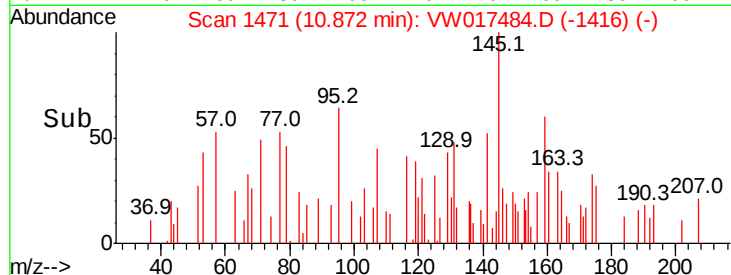
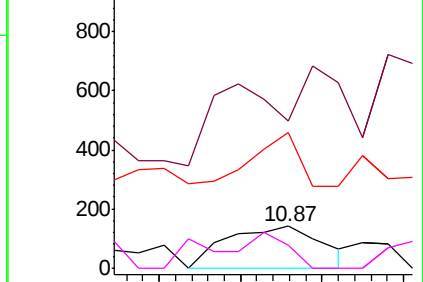


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 30.035 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

Tgt Ion: 43 Resp: 197

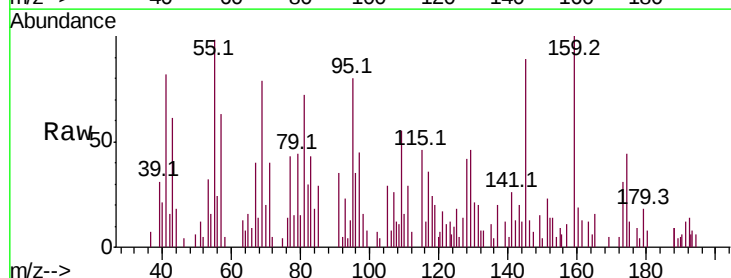
Ion Ratio Lower Upper

43 100

58 17.8 51.3 76.9#

57 200.5 15.0 22.6#

100 0.0 12.2 18.2#

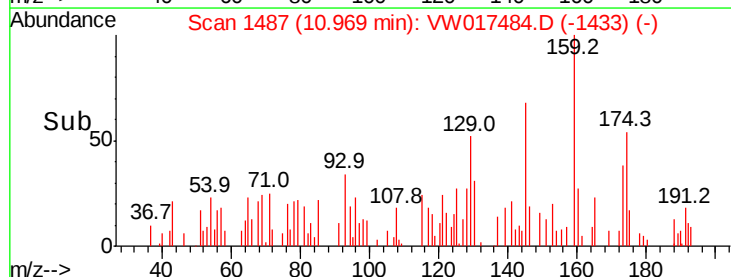
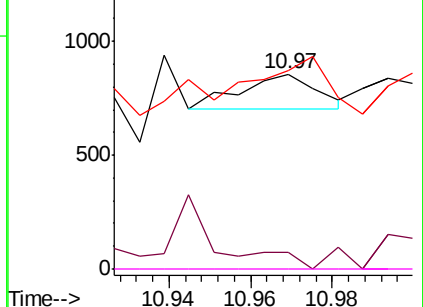


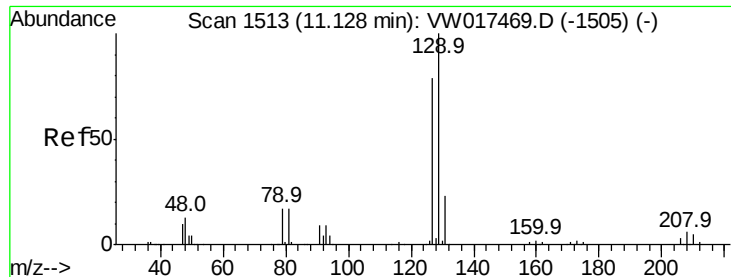
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#50

Dibromochloromethane

Concen: 9.374 ug/L

RT: 11.40 min Scan# 1557

Delta R.T. 0.27 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

Instrument :

MSVOA_W

ClientSampled :

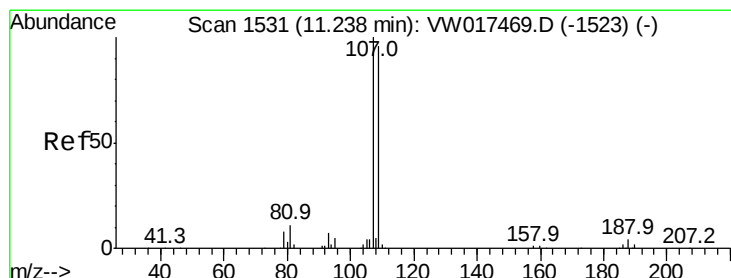
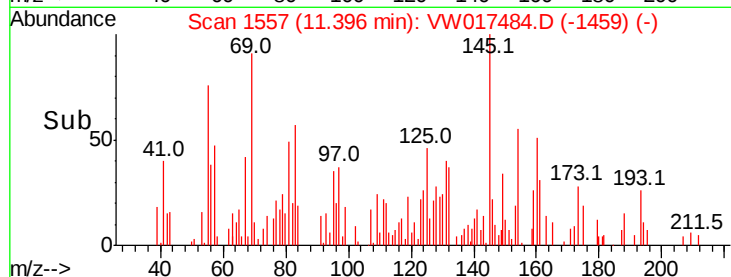
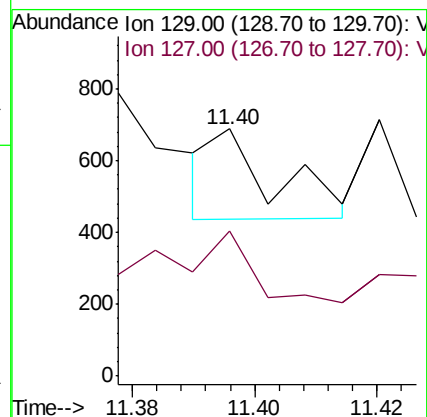
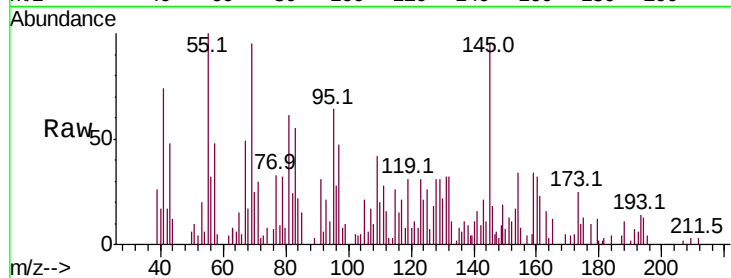
BLK

Tot Ion:129 Resp: 177

Ion Ratio Lower Upper

129 100

127 58.9 53.2 98.8



#51

1,2-Dibromoethane

Concen: 7.731 ug/L

RT: 11.23 min Scan# 1529

Delta R.T. -0.01 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

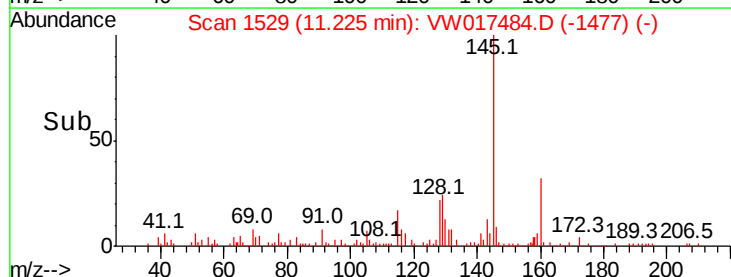
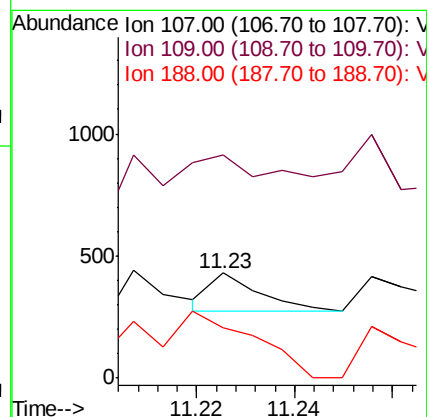
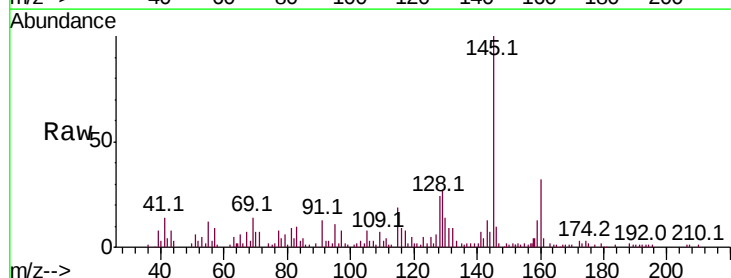
Tgt Ion:107 Resp: 112

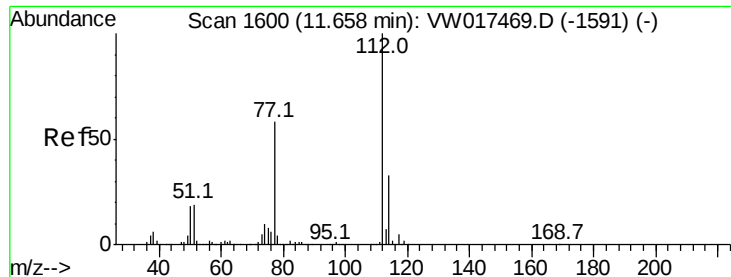
Ion Ratio Lower Upper

107 100

109 212.3 66.4 123.2#

188 48.0 4.0 6.0#





#52

Chlorobenzene

Concen: 4.081 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

Instrument :

MSVOA_W

ClientSampled :

BLK

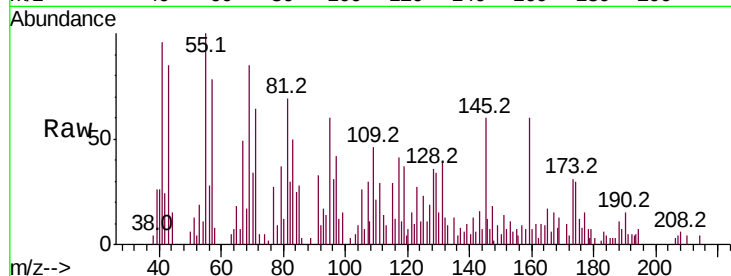
Tot Ion: 112 Resp: 247

Ion Ratio Lower Upper

112 100

77 196.3 42.6 64.0#

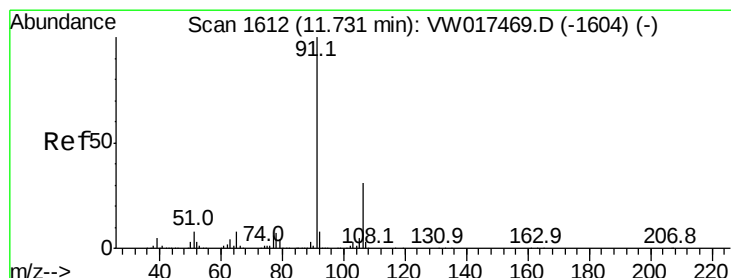
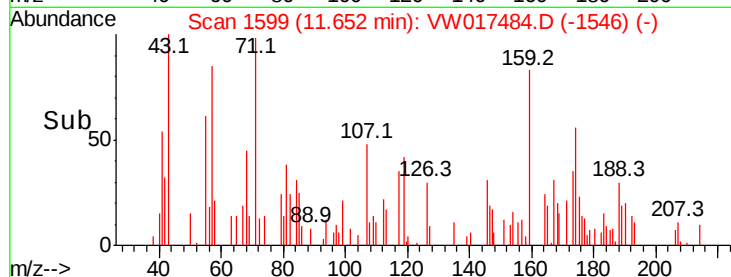
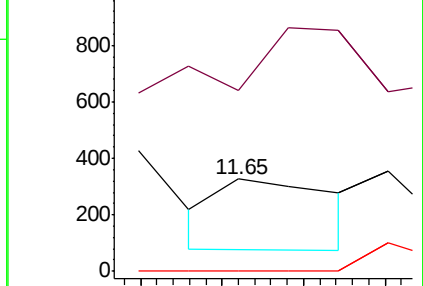
114 0.0 21.6 40.2#



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 1.680 ug/L

RT: 11.69 min Scan# 1606

Delta R.T. -0.04 min

Lab File: VW017484.D

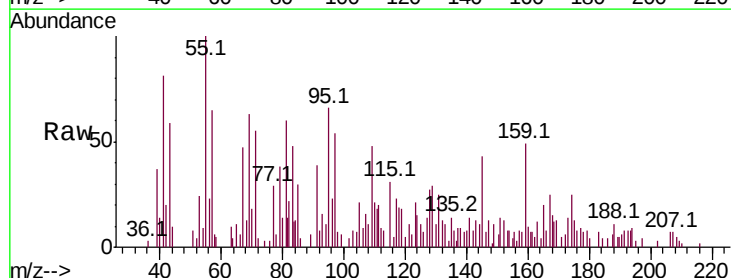
Acq: 24 Nov 2020 19:52

Tgt Ion: 91 Resp: 176

Ion Ratio Lower Upper

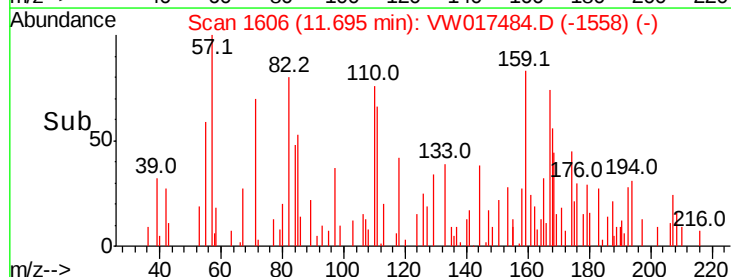
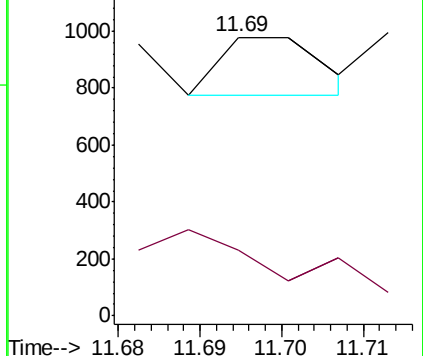
91 100

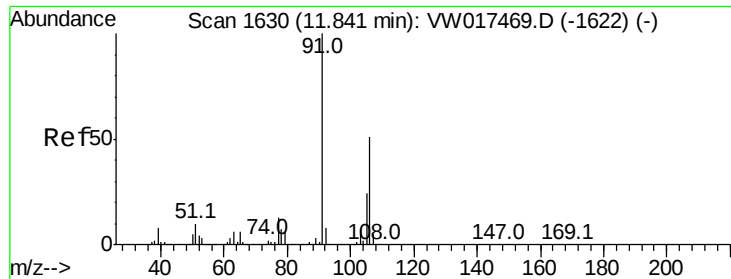
106 23.8 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 8.929 ug/L

RT: 11.83 min Scan# 1628

Delta R.T. -0.01 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

Instrument :

MSVOA_W

ClientSampled :

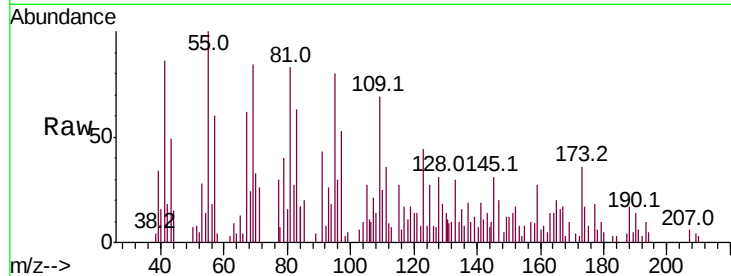
BLK

Tot Ion:106 Resp: 357

Ion Ratio Lower Upper

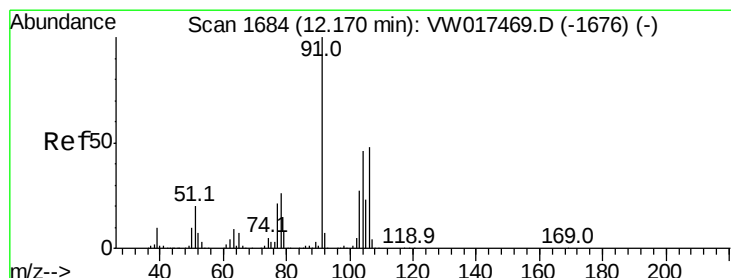
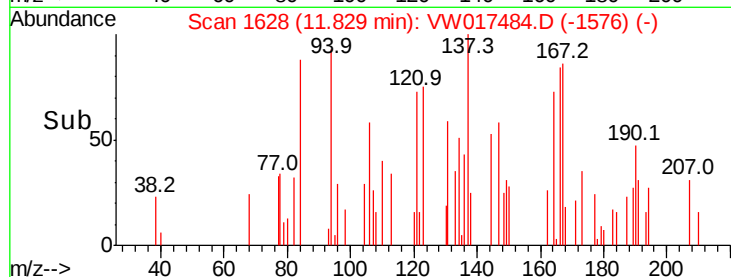
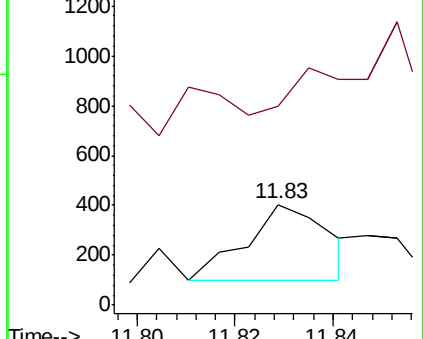
106 100

91 197.5 136.4 253.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 9.238 ug/L

RT: 12.13 min Scan# 1677

Delta R.T. -0.04 min

Lab File: VW017484.D

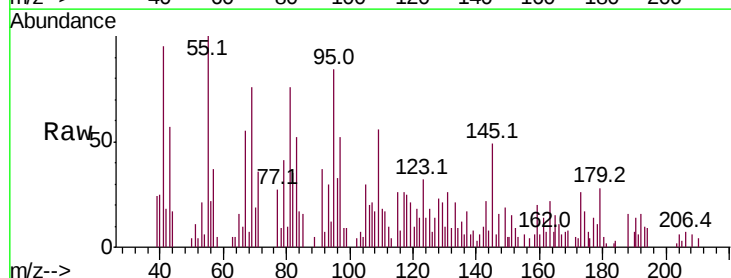
Acq: 24 Nov 2020 19:52

Tgt Ion:106 Resp: 344

Ion Ratio Lower Upper

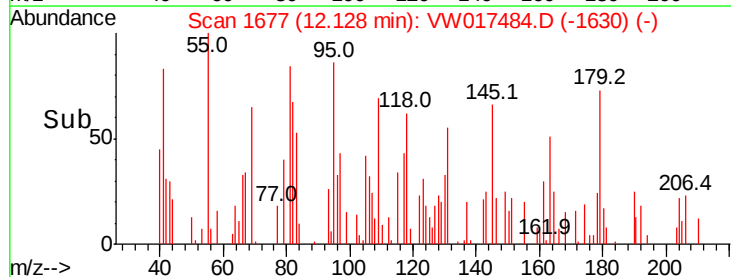
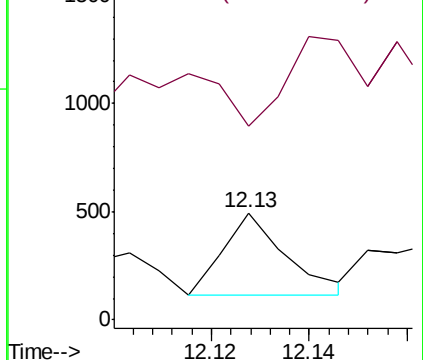
106 100

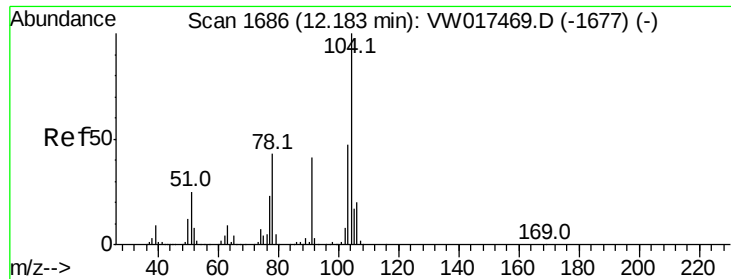
91 181.6 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Stvrene

Concen: 3.592 ug/L

RT: 12.19 min Scan# 1687

Delta R.T. 0.01 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

Instrument :

MSVOA_W

ClientSampled :

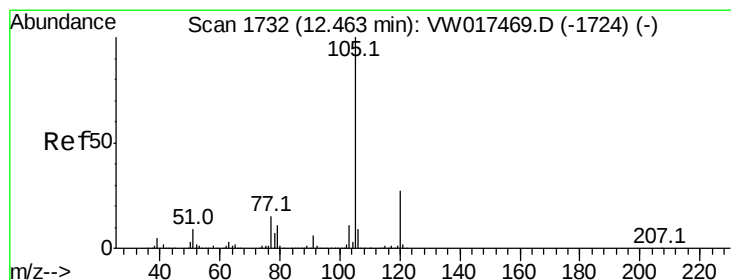
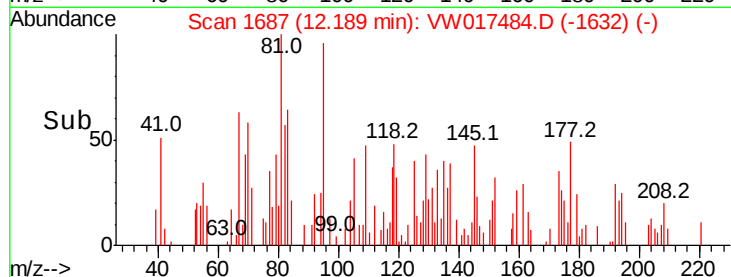
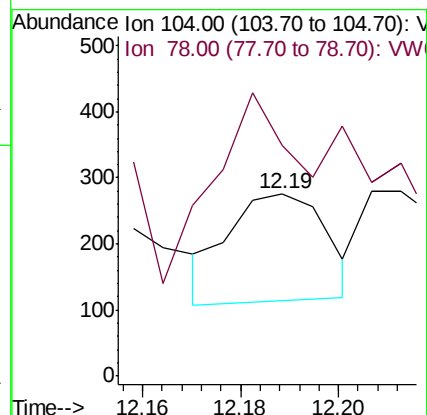
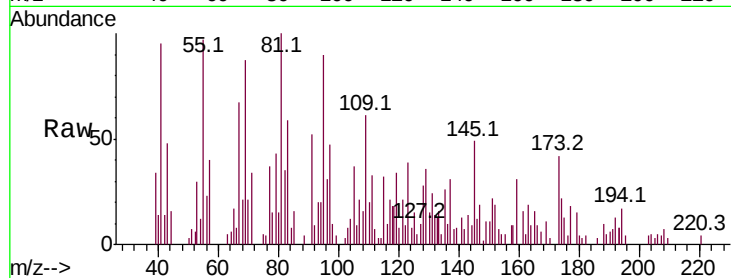
BLK

Tot Ion:104 Resp: 225

Ion Ratio Lower Upper

104 100

78 126.8 31.3 58.1#



#57

Isopropylbenzene

Concen: 4.585 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

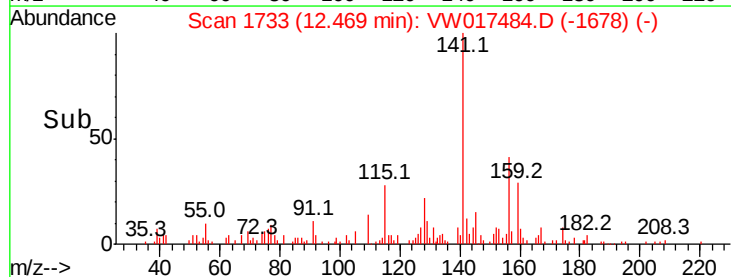
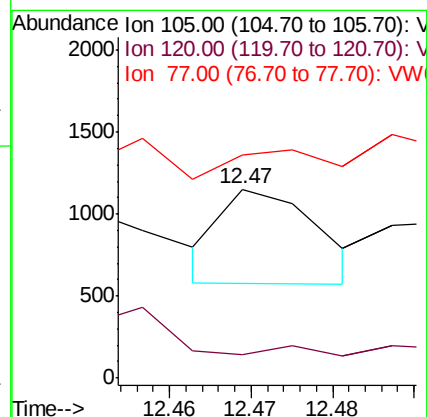
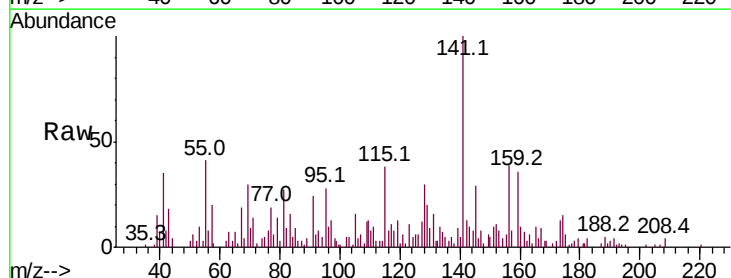
Tgt Ion:105 Resp: 469

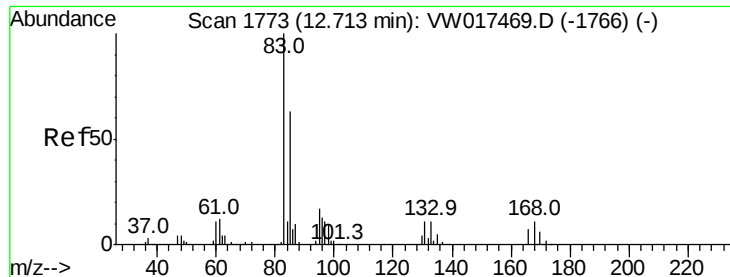
Ion Ratio Lower Upper

105 100

120 8.1 21.4 32.2#

77 31.1 12.1 18.1#





#58

1,1,2,2-Tetrachloroethane

Concen: 36.141 ug/L

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

Instrument :

MSVOA_W

ClientSampled :

BLK

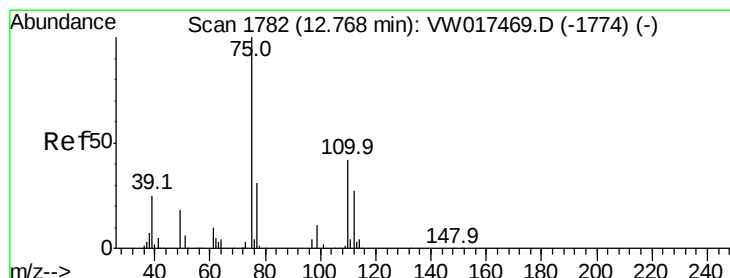
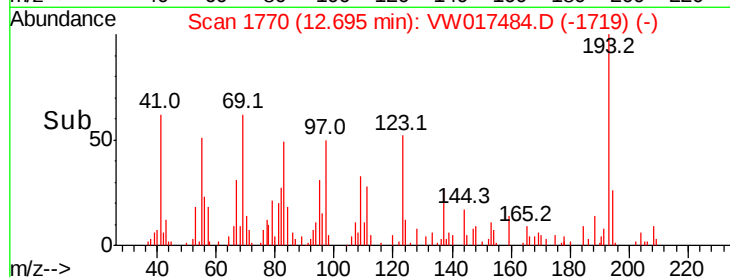
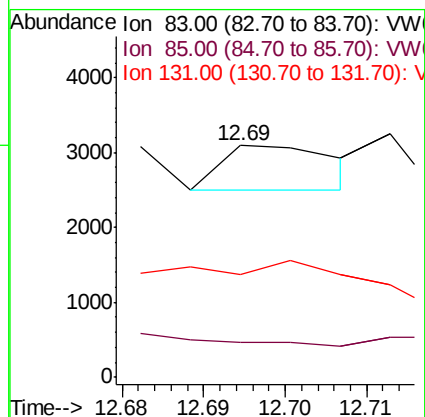
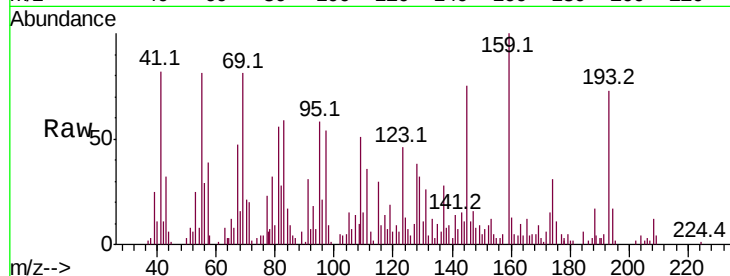
Tot Ion: 83 Resp: 588

Ion Ratio Lower Upper

83 100

85 15.0 45.3 84.1#

131 44.0 8.3 12.5#



#59

1,2,3-Trichloropropane

Concen: 10.409 ug/L

RT: 12.76 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VW017484.D

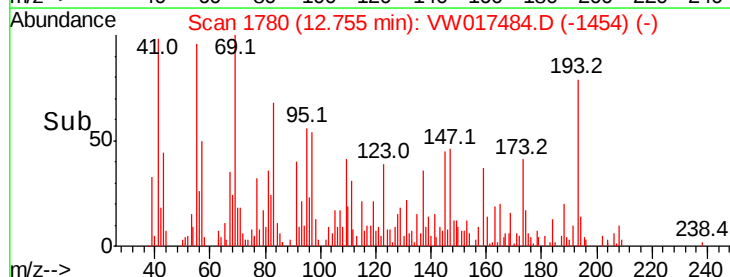
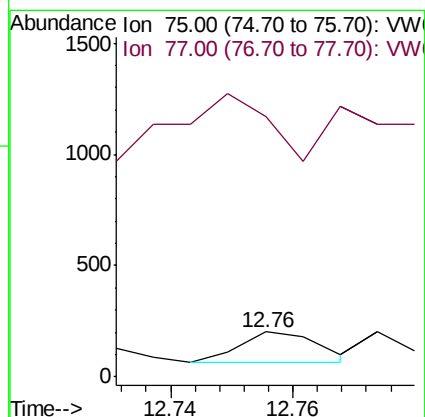
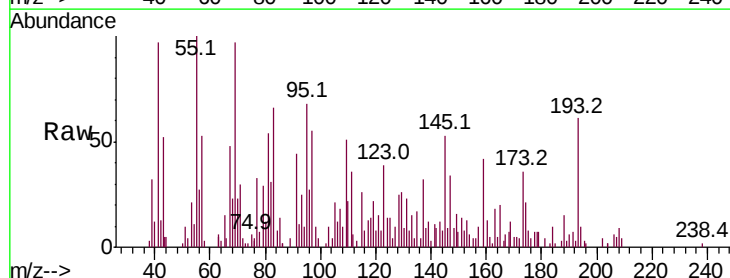
Acq: 24 Nov 2020 19:52

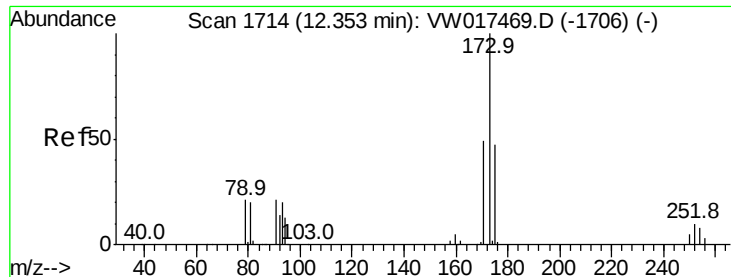
Tgt Ion: 75 Resp: 125

Ion Ratio Lower Upper

75 100

77 246.4 26.6 39.8#

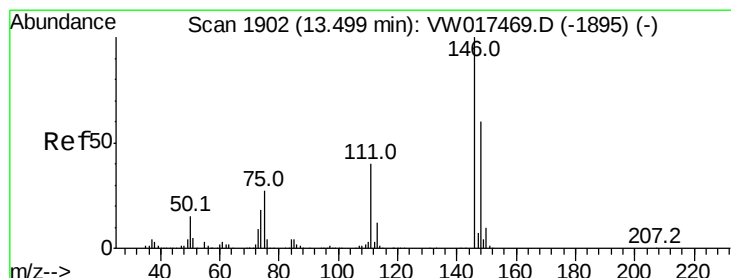
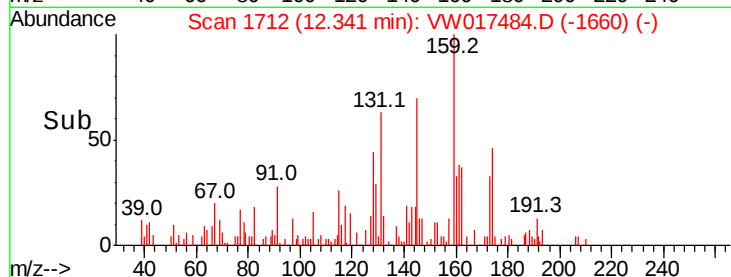
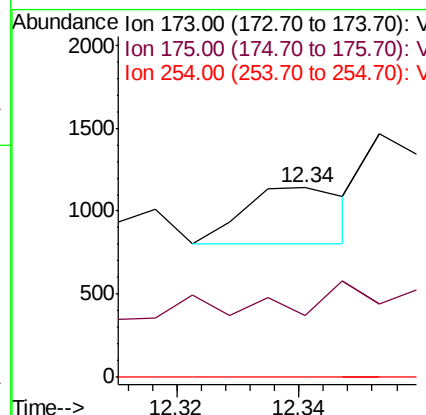
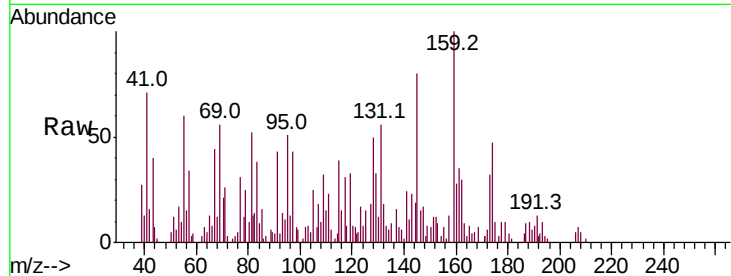




#62
Bromoform
Concen: 119.470 ug/L
RT: 12.34 min Scan# 1712
Delta R.T. -0.01 min
Lab File: VW017484.D
Acq: 24 Nov 2020 19:52

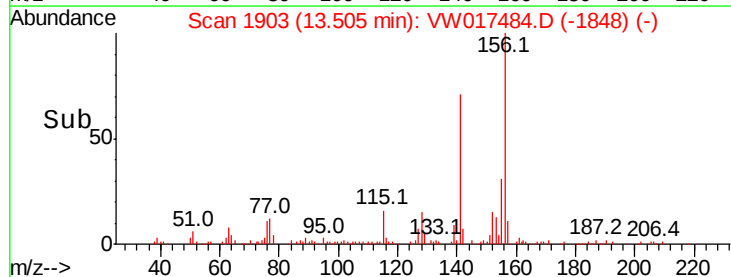
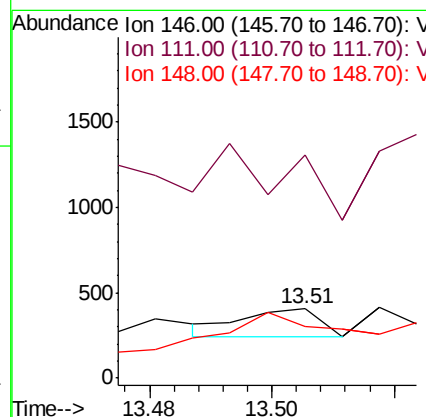
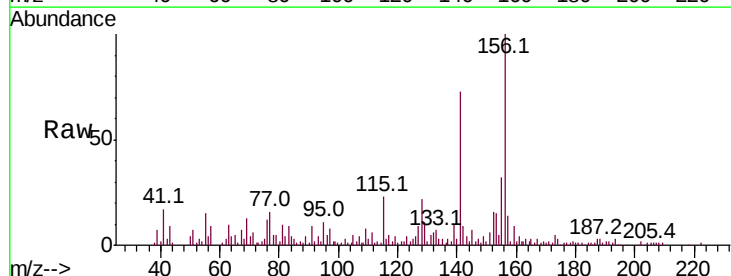
Instrument :
MSVOA_W
ClientSampleId :
BLK

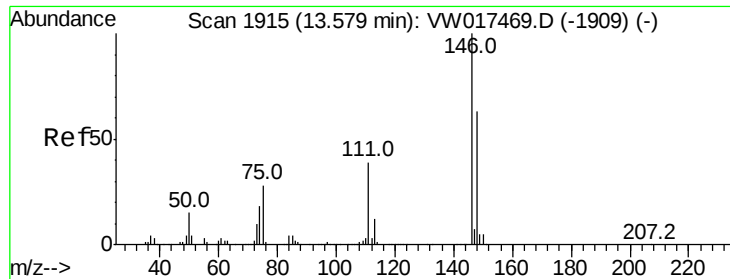
Tot Ion:173 Resp: 398
Ion Ratio Lower Upper
173 100
175 51.8 39.1 58.7
254 0.0 7.1 10.7#



#63
1,3-Dichlorobenzene
Concen: 9.371 ug/L
RT: 13.51 min Scan# 1903
Delta R.T. 0.01 min
Lab File: VW017484.D
Acq: 24 Nov 2020 19:52

Tgt Ion:146 Resp: 142
Ion Ratio Lower Upper
146 100
111 323.2 28.5 52.9#
148 75.1 47.8 88.8

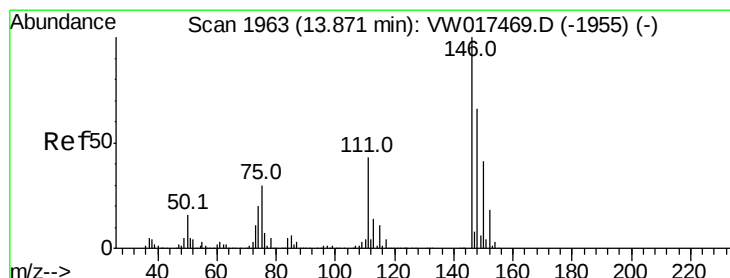
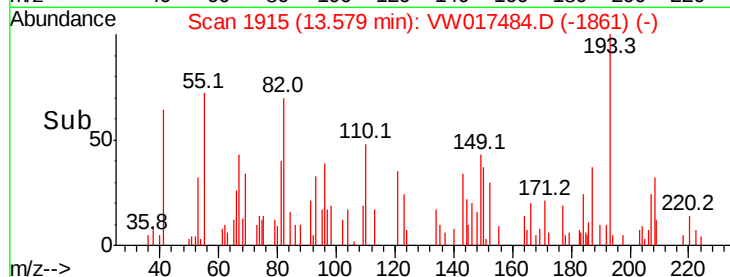
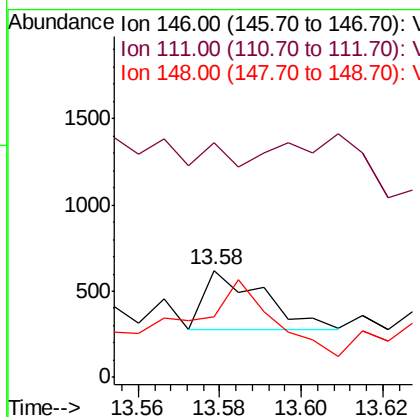
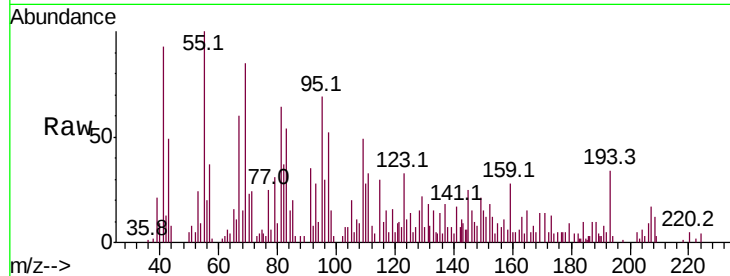




#64
1,4-Dichlorobenzene
Concen: 22.450 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW017484.D
Acq: 24 Nov 2020 19:52

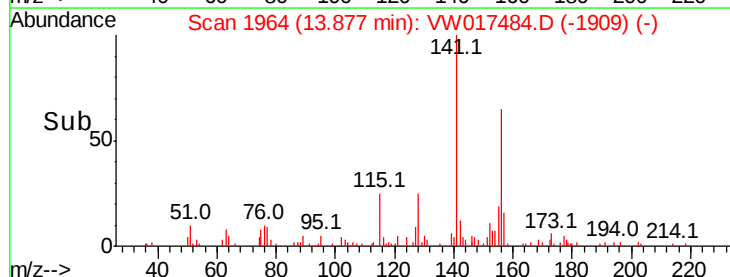
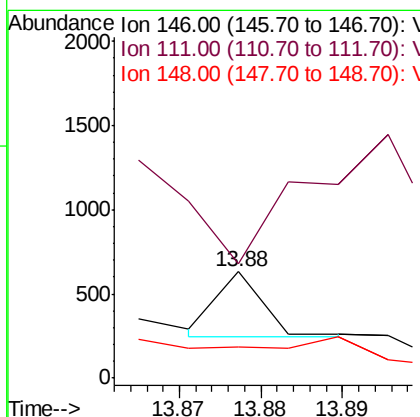
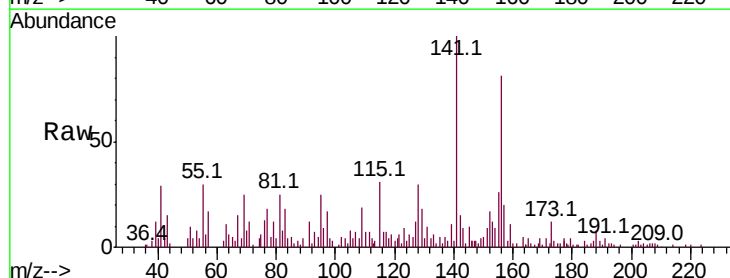
Instrument :
MSVOA_W
ClientSampled :
BLK

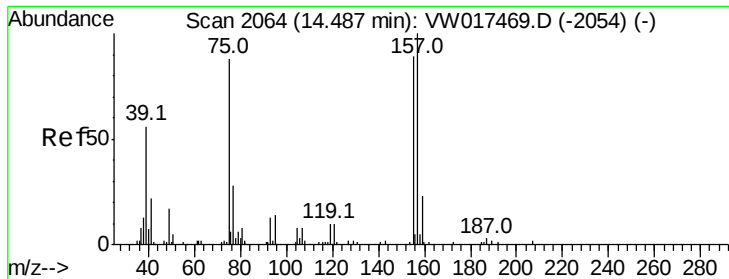
Tot Ion:146 Resp: 337
Ion Ratio Lower Upper
146 100
111 219.2 27.7 51.5#
148 57.0 47.0 87.2



#65
1,2-Dichlorobenzene
Concen: 11.517 ug/L
RT: 13.88 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VW017484.D
Acq: 24 Nov 2020 19:52

Tgt Ion:146 Resp: 152
Ion Ratio Lower Upper
146 100
111 108.1 31.7 47.5#
148 30.0 49.3 73.9#





#66

1,2-Dibromo-3-chloropropane

Concen: 3498.650 ug/L

RT: 14.31 min Scan# 2035

Delta R.T. -0.18 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

Instrument :

MSVOA_W

ClientSampleId :

BLK

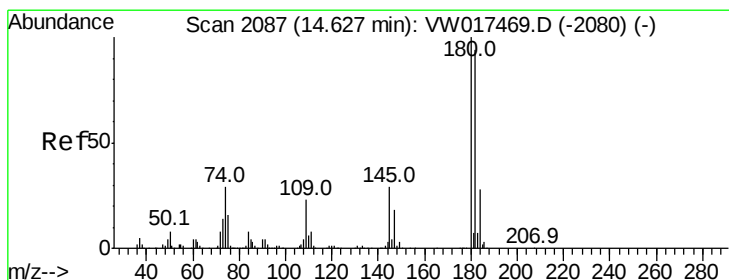
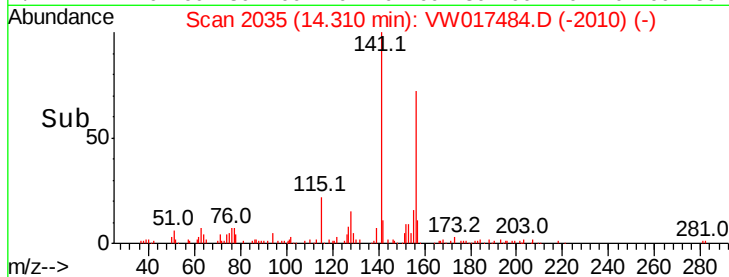
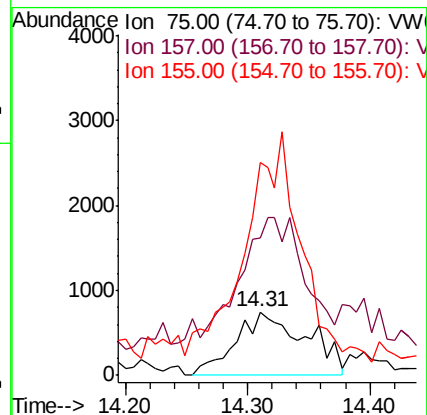
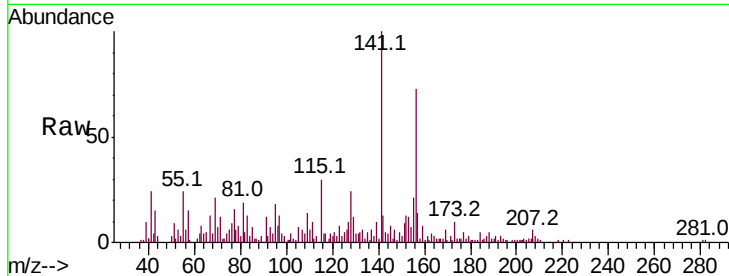
Tot Ion: 75 Resp: 2973

Ion Ratio Lower Upper

75 100

157 217.1 99.9 149.9#

155 335.3 71.4 107.0#



#67

1,3,5-Trichlorobenzene

Concen: 31.782 ug/L

RT: 14.64 min Scan# 2089

Delta R.T. 0.01 min

Lab File: VW017484.D

Acq: 24 Nov 2020 19:52

Tgt Ion:180 Resp: 345

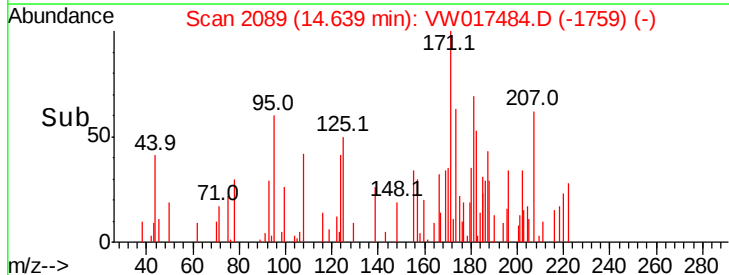
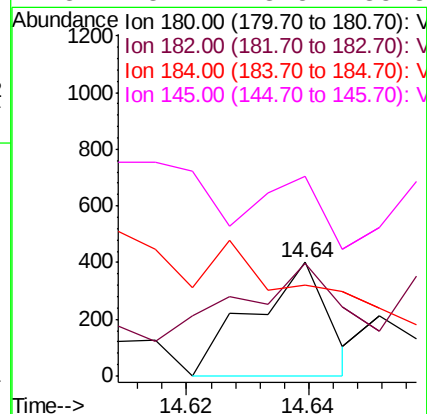
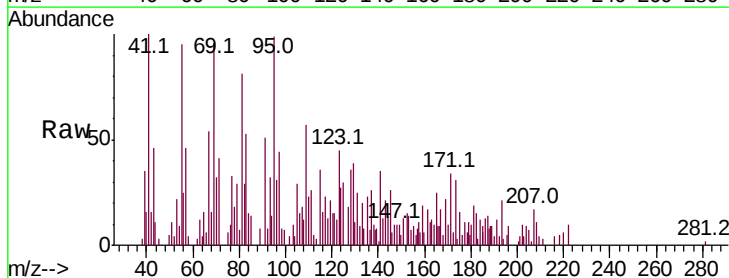
Ion Ratio Lower Upper

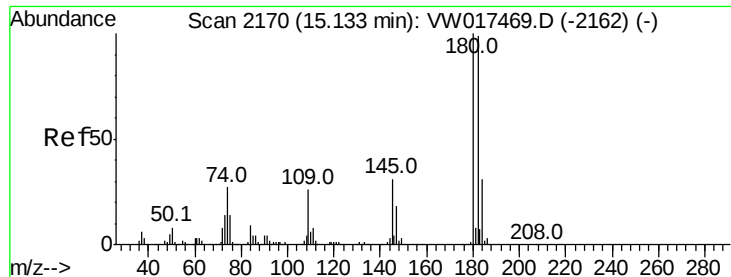
180 100

182 85.5 77.0 115.6

184 0.0 24.2 36.4#

145 48.4 23.5 35.3#

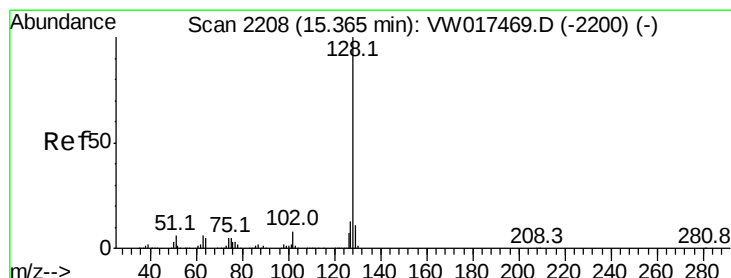
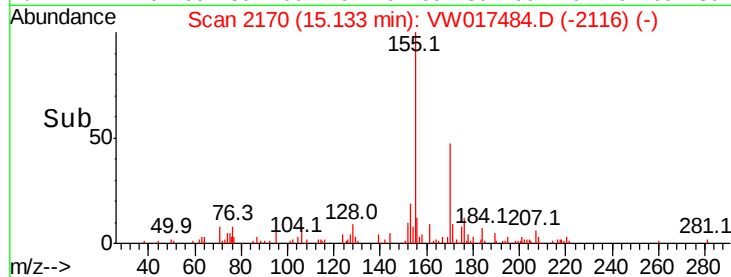
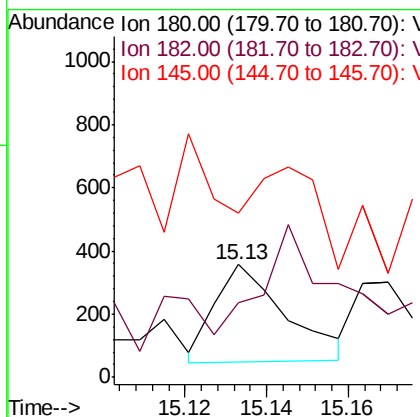
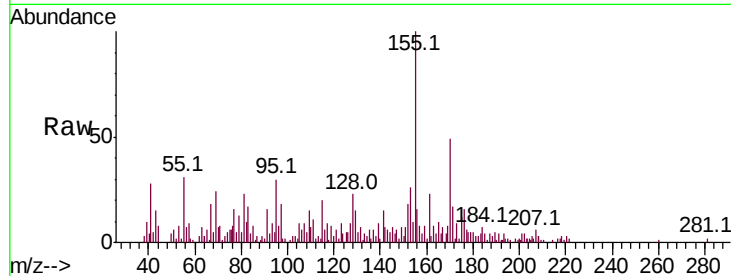




#68
 1,2,4-trichlorobenzene
 Concen: 42.392 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017484.D
 Acq: 24 Nov 2020 19:52

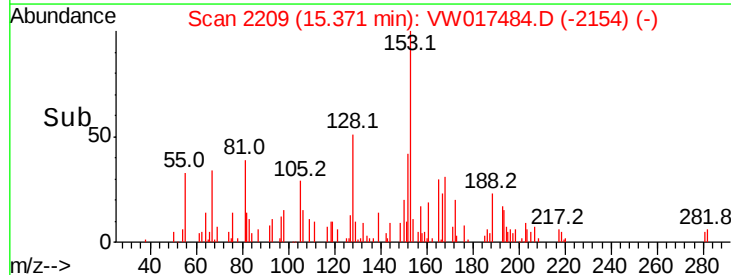
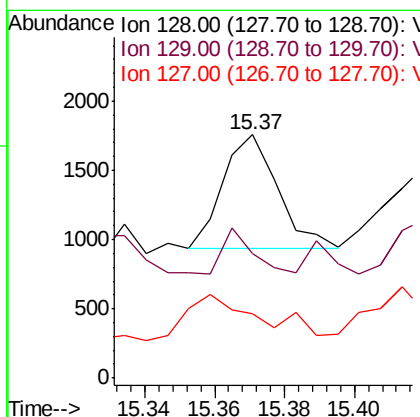
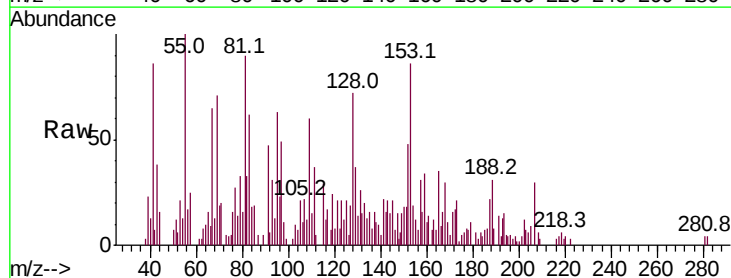
Instrument :
 MSVOA_W
 ClientSampled :
 BLK

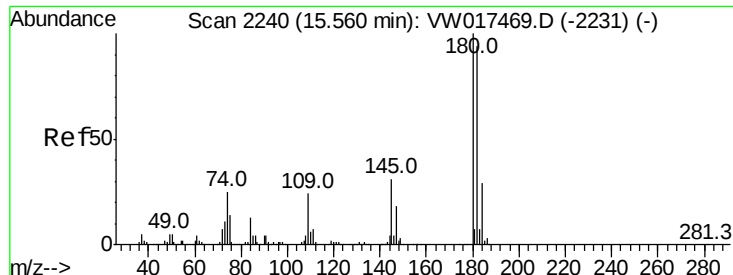
Tot Ion:180 Resp: 372
 Ion Ratio Lower Upper
 180 100
 182 72.0 71.3 106.9
 145 112.9 24.0 36.0#



#69
 Naphthalene
 Concen: 66.126 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.01 min
 Lab File: VW017484.D
 Acq: 24 Nov 2020 19:52

Tgt Ion:128 Resp: 896
 Ion Ratio Lower Upper
 128 100
 129 22.2 8.7 13.1#
 127 45.5 10.7 16.1#

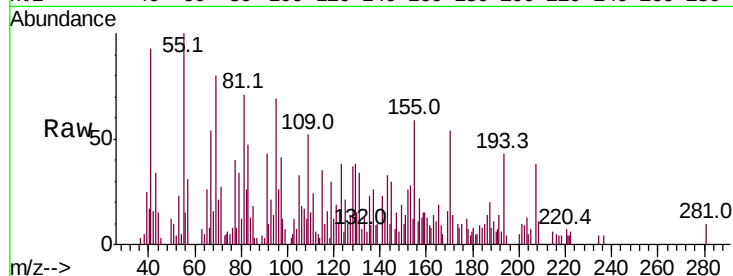




#70
 1,2,3-Trichlorobenzene
 Concen: 39.619 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. -0.00 min
 Lab File: VW017484.D
 Acq: 24 Nov 2020 19:52

Instrument :
 MSVOA_W
 ClientSampleId :
 BLK

Tot Ion	Ratio	Lower	Upper
180	100		
182	34.5	74.7	112.1#
145	64.1	25.4	38.0#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

