

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112520\
 Data File : VW017493.D
 Acq On : 25 Nov 2020 10:26
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 26 07:17:58 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	473976	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	424495	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	208890	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	158134	25.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.44%
7) Chloroethane-d5	2.89	69	125969	23.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.76%
10) 1,1-Dichloroethene-d2	4.03	63	351124	25.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.16%
20) 2-Butanone-d5	7.08	46	67267	51.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.32%
24) Chloroform-d	7.65	84	337226	25.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.16%
26) 1,2-Dichloroethane-d4	8.31	65	171493	25.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.84%
29) Benzene-d6	8.27	84	630194	24.14	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.56%
33) 1,2-Dichloropropane-d6	9.27	67	175450	24.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.16%
37) Toluene-d8	10.32	98	588868	24.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.08%
38) trans-1,3-Dichloropropene-	10.58	79	80958	25.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.32%
39) 2-Hexanone-d5	10.93	63	45937	51.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.76%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	124214	23.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	186233	24.08	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	96323	21.386	ug/L 98
3) Chloromethane	2.21	50	108488	23.397	ug/L 94
5) Vinyl chloride	2.37	62	152111	26.452	ug/L 98
6) Bromomethane	2.78	94	104511	25.239	ug/L 99
8) Chloroethane	2.93	64	96977	25.100	ug/L 98
9) Trichlorofluoromethane	3.27	101	159431	24.212	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	168161	24.950	ug/L # 68
12) 1,1-Dichloroethene	4.04	96	159342	24.245	ug/L 88
13) Acetone	4.14	43	65595	51.844	ug/L 90
14) Carbon disulfide	4.39	76	454535	24.180	ug/L 97
15) Methyl Acetate	4.67	43	55977	25.417	ug/L 93
16) Methylene chloride	4.92	84	158861	22.324	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	188881	26.720	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	164960	24.417	ug/L 96
19) 1,1-Dichloroethane	6.21	63	291170	25.526	ug/L 99
21) 2-Butanone	7.17	43	79921	52.785	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	173170	24.567	ug/L 95

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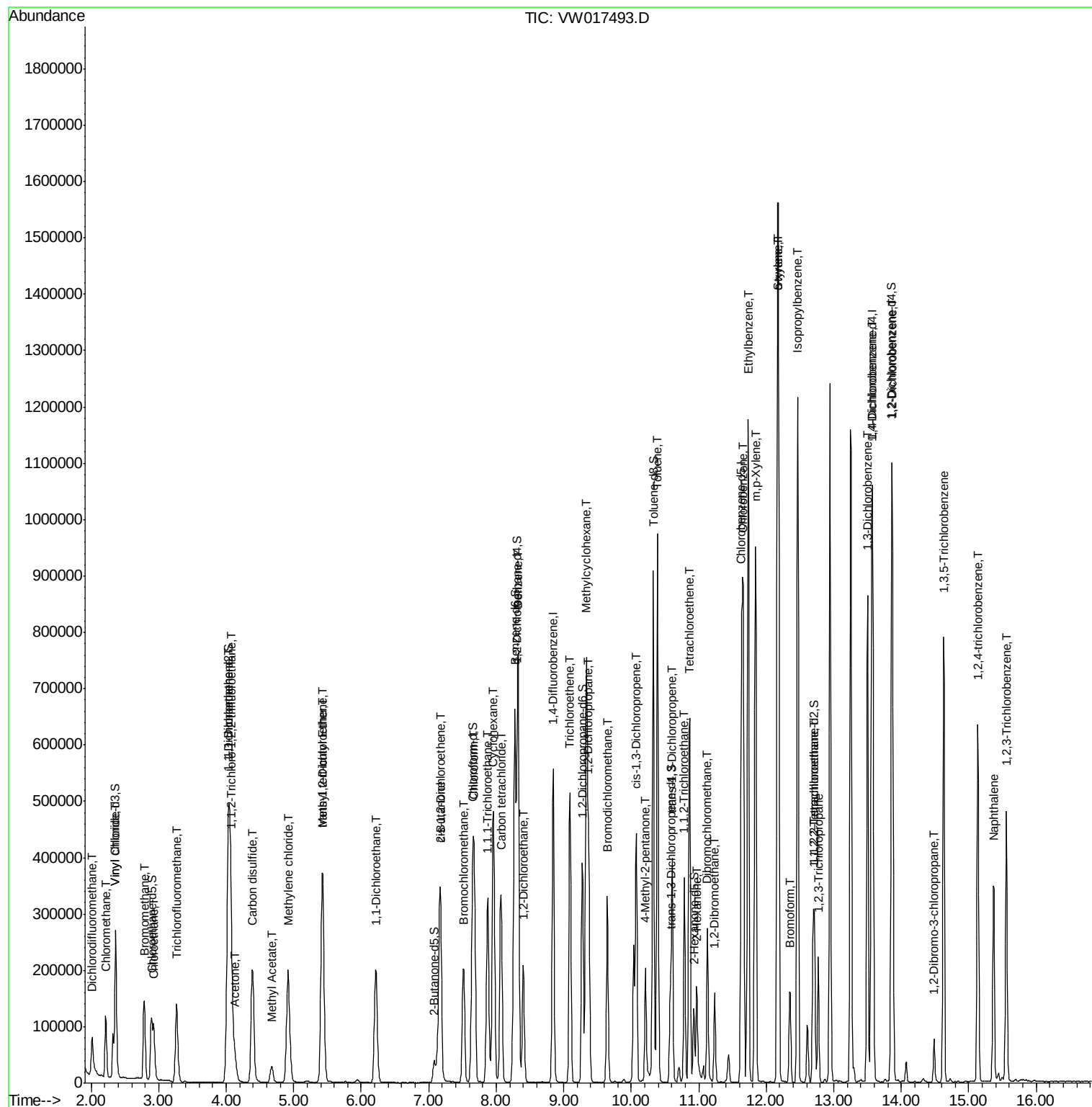
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	74591	23.296	ug/L	92
25) Chloroform	7.68	83	309094	25.668	ug/L	99
27) 1,2-Dichloroethane	8.40	62	194233	26.782	ug/L	99
30) Cyclohexane	7.96	56	270784	26.743	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	273232	27.196	ug/L	98
32) Carbon tetrachloride	8.07	117	262543	26.913	ug/L	99
34) Benzene	8.32	78	641147	25.130	ug/L	100
35) Trichloroethene	9.09	95	179626	25.396	ug/L	96
36) Methylcyclohexane	9.34	83	303370	25.937	ug/L	97
40) 1,2-Dichloropropane	9.37	63	154375	25.760	ug/L	98
41) Bromodichloromethane	9.65	83	213498	25.785	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	246252	26.529	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	143515	52.018	ug/L	97
44) Toluene	10.39	91	710174	25.867	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	211900	26.640	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	107356	23.909	ug/L	98
47) Tetrachloroethene	10.87	164	143876	23.874	ug/L	98
49) 2-Hexanone	10.97	43	115373	59.213	ug/L	89
50) Dibromochloromethane	11.13	129	139868	24.937	ug/L	97
51) 1,2-Dibromoethane	11.24	107	104780	24.348	ug/L	99
52) Chlorobenzene	11.66	112	445235	24.766	ug/L	94
53) Ethylbenzene	11.73	91	808868	25.984	ug/L	100
54) m,p-Xylene	11.84	106	301176	25.358	ug/L	92
55) o-xylene	12.16	106	281151	25.416	ug/L	92
56) Styrene	12.18	104	471224	25.322	ug/L	92
57) Isopropylbenzene	12.46	105	795285	26.174	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	120632	24.960	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	88928	24.929	ug/L	98
62) Bromoform	12.35	173	72471	24.473	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	343203	25.480	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	340184	25.494	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	301595	25.708	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	19195	25.412	ug/L	85
67) 1,3,5-Trichlorobenzene	14.63	180	235404	24.397	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	194037	24.875	ug/L	97
69) Naphthalene	15.37	128	298395	24.774	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	159473	24.510	ug/L	97

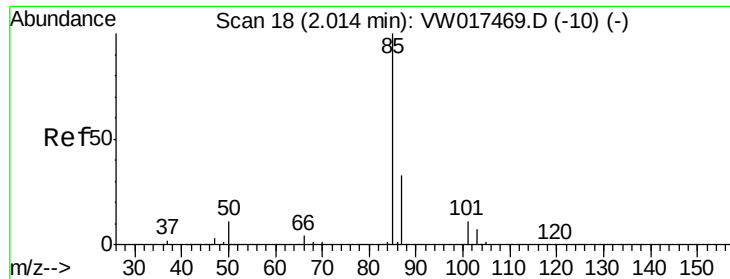
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.386 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017493.D

Acq: 25 Nov 2020 10:26

Instrument :

MSVOA_W

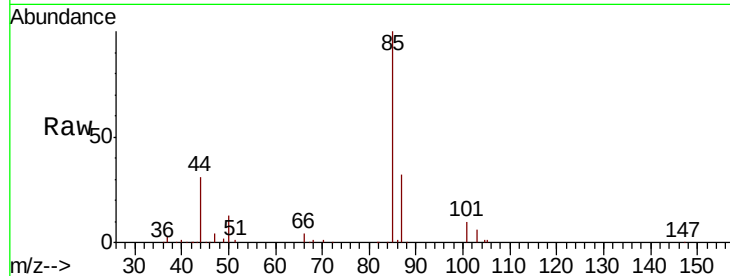
ClientSampleId :

Tot Ion: 85 Resp: 96323

Ion Ratio Lower Upper

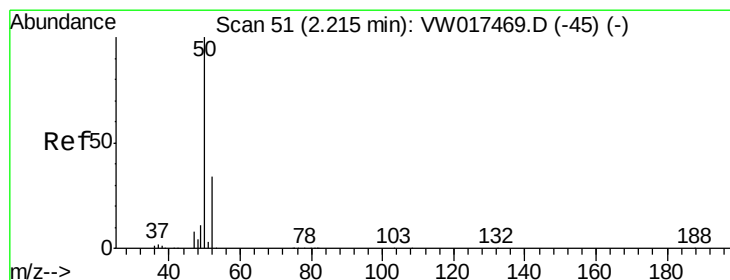
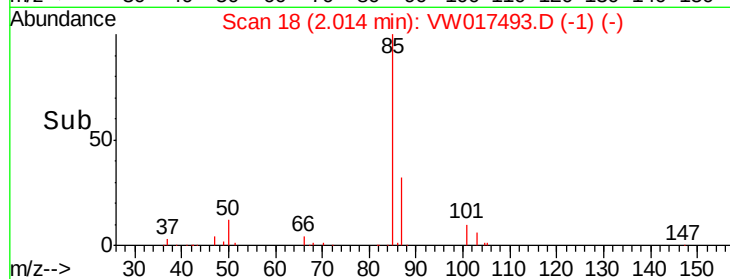
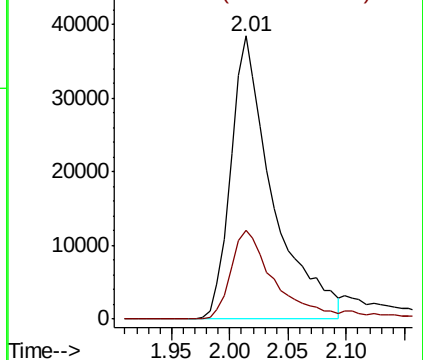
85 100

87 32.2 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.397 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW017493.D

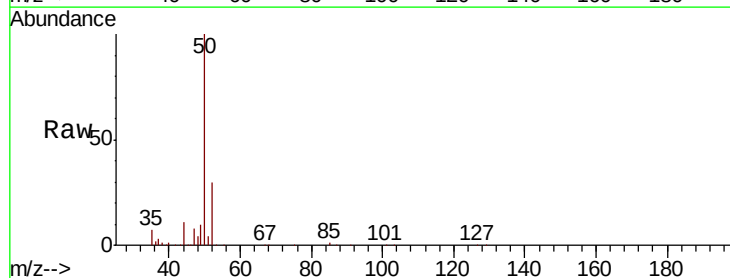
Acq: 25 Nov 2020 10:26

Tgt Ion: 50 Resp: 108488

Ion Ratio Lower Upper

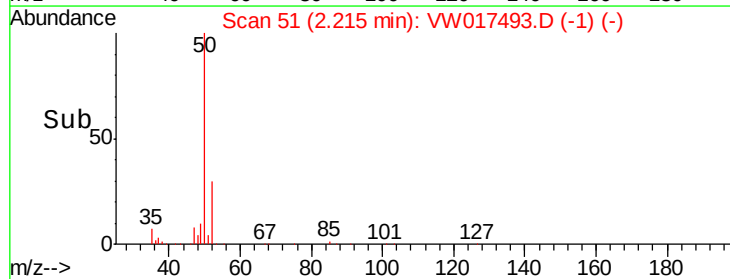
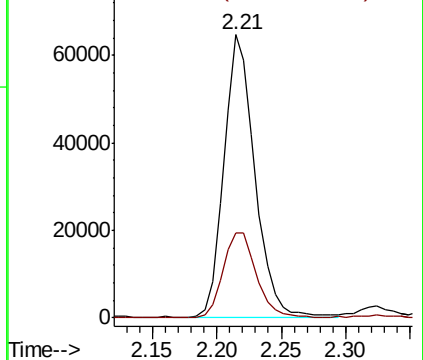
50 100

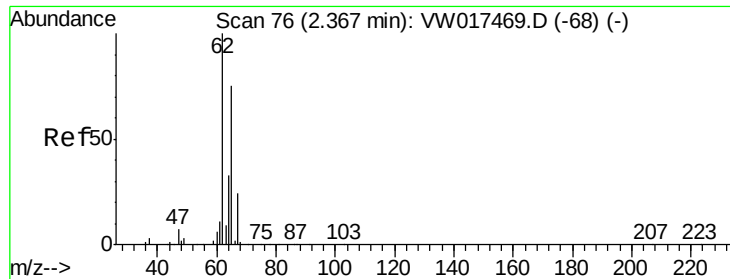
52 30.1 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.452 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017493.D

Acq: 25 Nov 2020 10:26

Instrument :

MSVOA_W

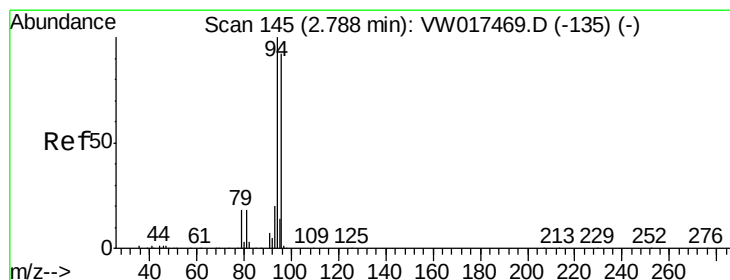
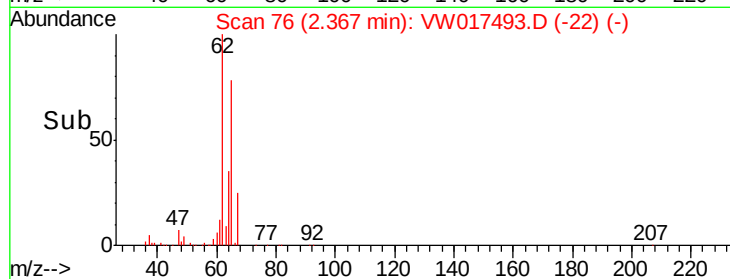
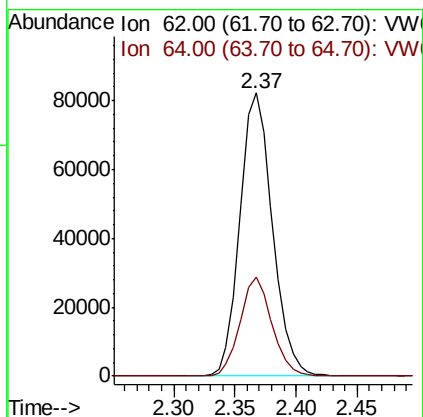
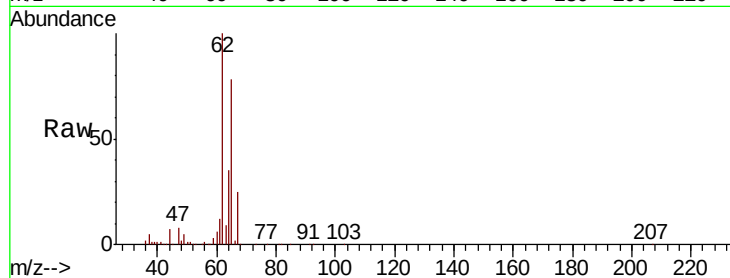
ClientSampleId :

Tot Ion: 62 Resp: 152111

Ion Ratio Lower Upper

62 100

64 35.2 23.9 44.5



#6

Bromomethane

Concen: 25.239 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW017493.D

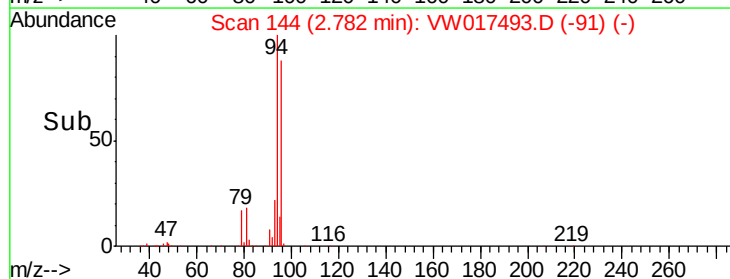
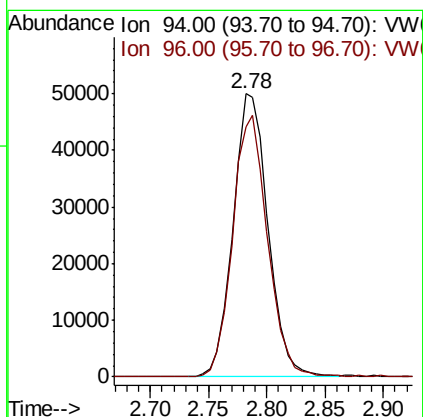
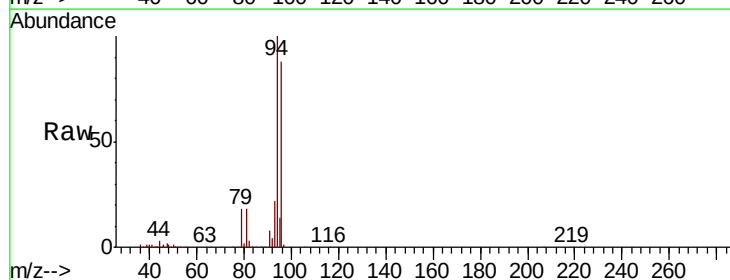
Acq: 25 Nov 2020 10:26

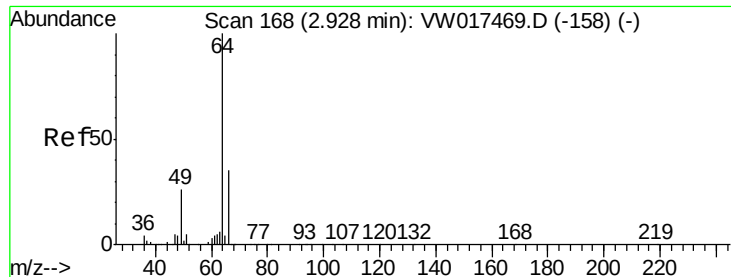
Tgt Ion: 94 Resp: 104511

Ion Ratio Lower Upper

94 100

96 92.4 9.4 178.0





#8

Chloroethane

Concen: 25.100 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW017493.D

Acq: 25 Nov 2020 10:26

Instrument :

MSVOA_W

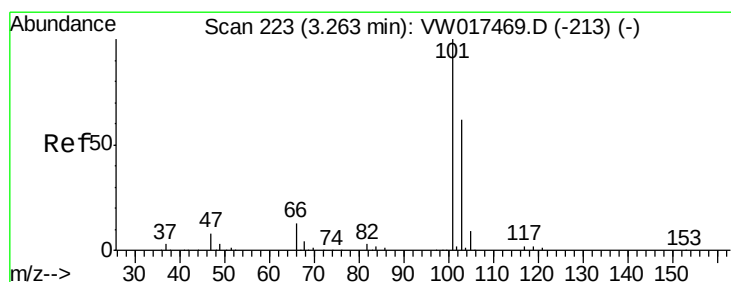
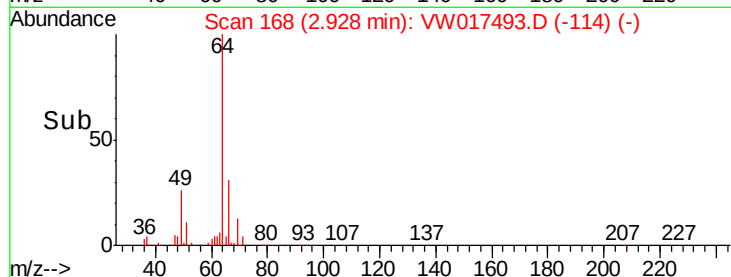
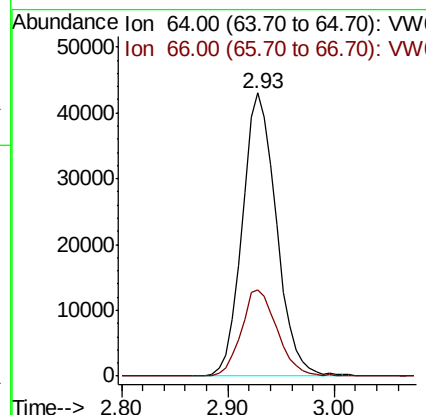
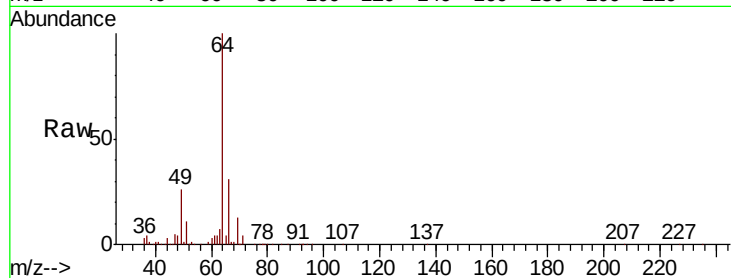
ClientSampleId :

Tot Ion: 64 Resp: 96977

Ion Ratio Lower Upper

64 100

66 30.5 22.0 41.0



#9

Trichlorofluoromethane

Concen: 24.212 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW017493.D

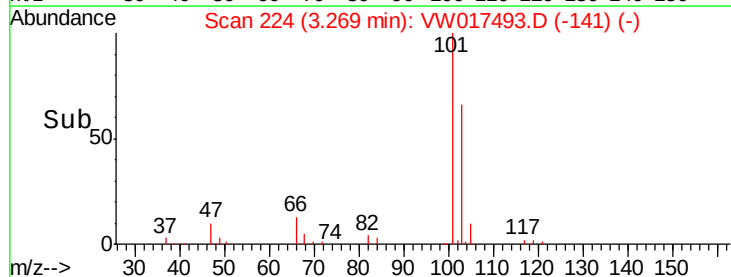
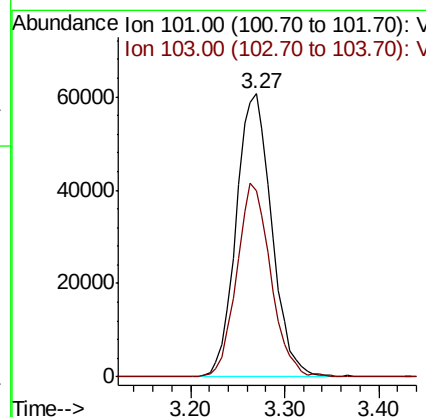
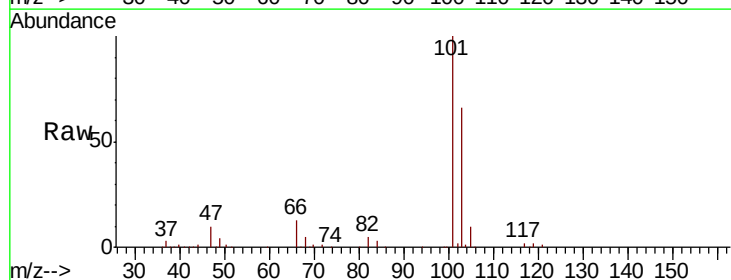
Acq: 25 Nov 2020 10:26

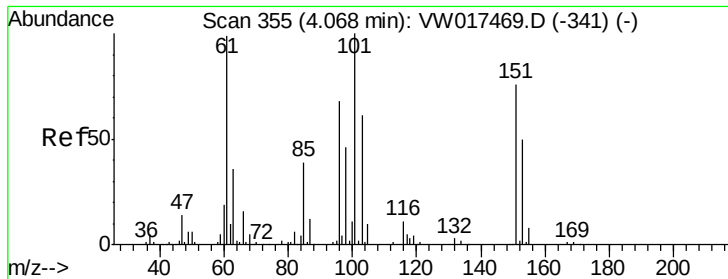
Tgt Ion: 101 Resp: 159431

Ion Ratio Lower Upper

101 100

103 65.1 45.0 83.6





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 24.950 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW017493.D

Acq: 25 Nov 2020 10:26

Instrument :

MSVOA_W

ClientSampled :

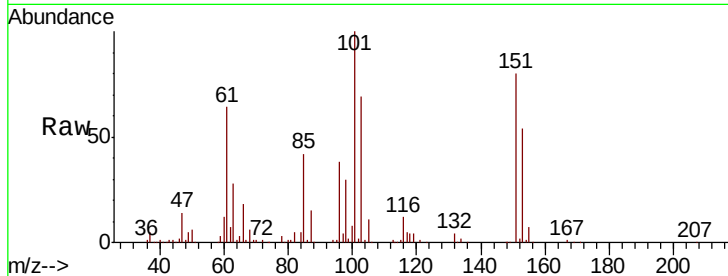
Tot Ion:101 Resp: 168161

Ion Ratio Lower Upper

101 100

85 43.8 34.2 51.4

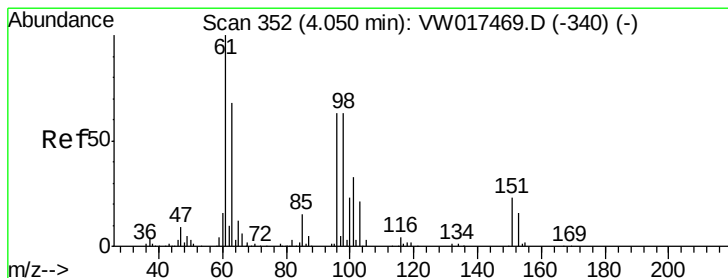
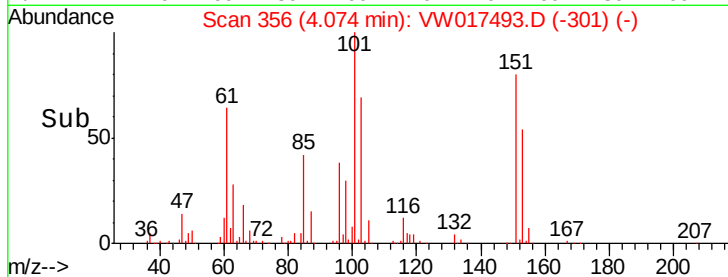
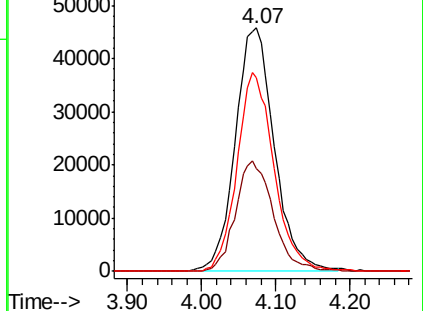
151 77.6 30.4 45.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.245 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW017493.D

Acq: 25 Nov 2020 10:26

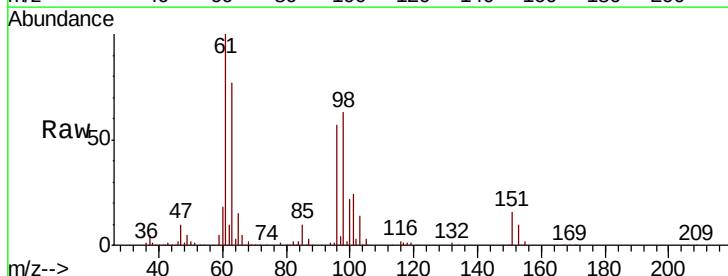
Tgt Ion: 96 Resp: 159342

Ion Ratio Lower Upper

96 100

61 174.8 112.5 208.9

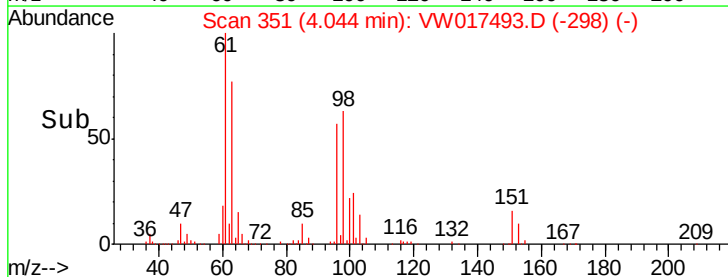
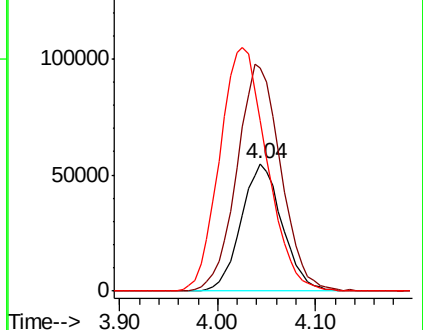
63 134.1 83.1 154.3

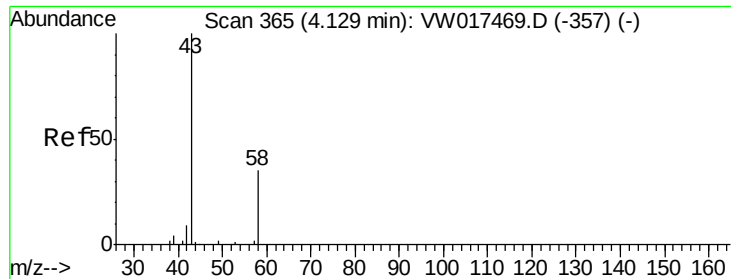


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

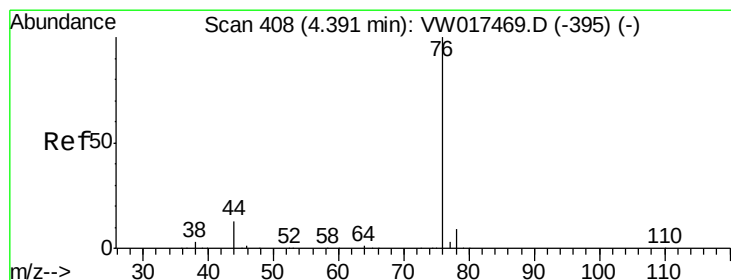
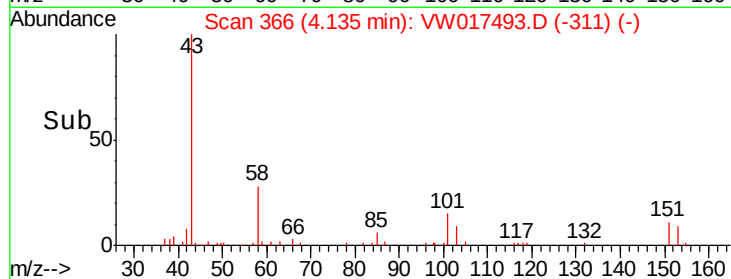
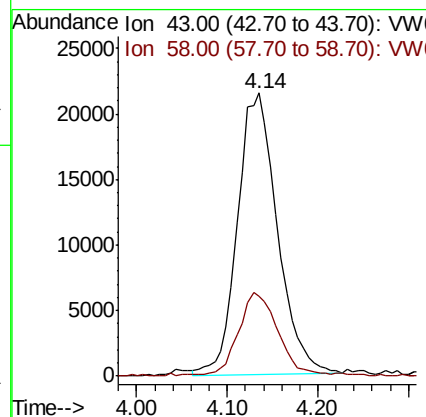
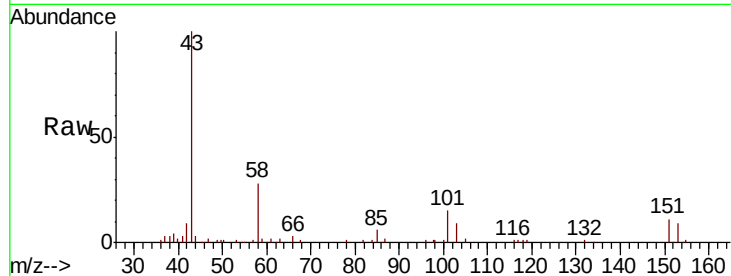




#13
Acetone
Concen: 51.844 ug/L
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW017493.D
Acq: 25 Nov 2020 10:26

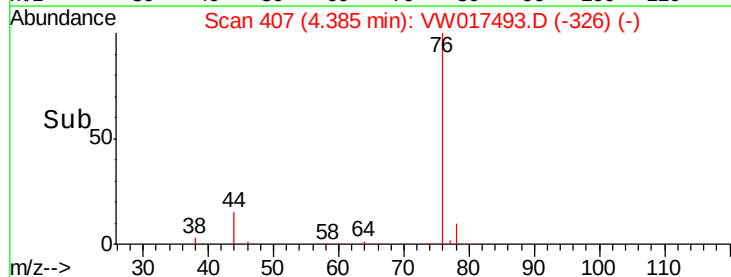
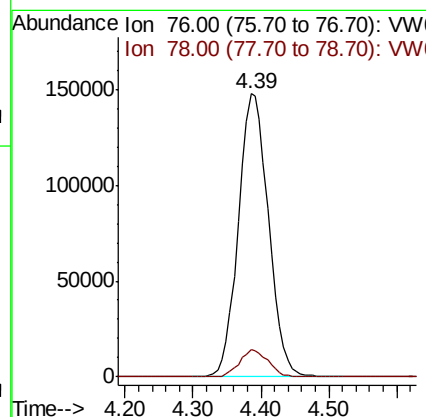
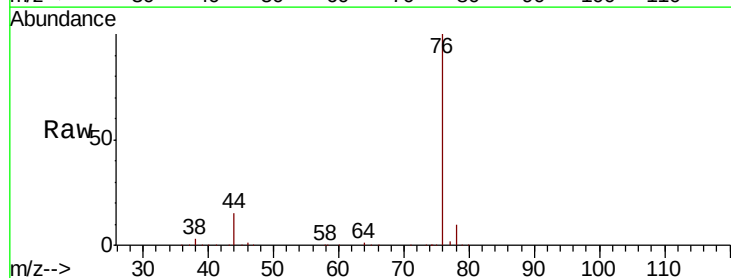
Instrument :
MSVOA_W
ClientSampled :

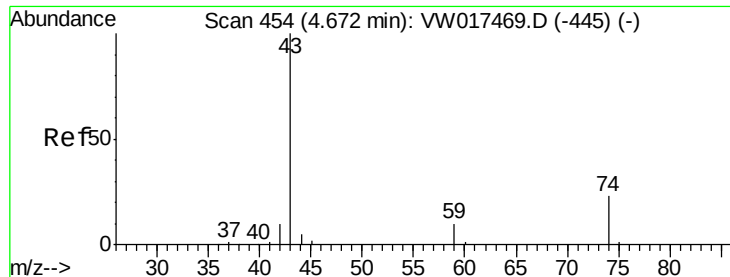
Tot Ion: 43 Resp: 65595
Ion Ratio Lower Upper
43 100
58 28.5 0.0 68.4



#14
Carbon disulfide
Concen: 24.180 ug/L
RT: 4.39 min Scan# 407
Delta R.T. -0.01 min
Lab File: VW017493.D
Acq: 25 Nov 2020 10:26

Tgt Ion: 76 Resp: 454535
Ion Ratio Lower Upper
76 100
78 9.7 7.0 10.4





#15

Methvl Acetate

Concen: 25.417 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW017493.D

Acq: 25 Nov 2020 10:26

Instrument :

MSVOA_W

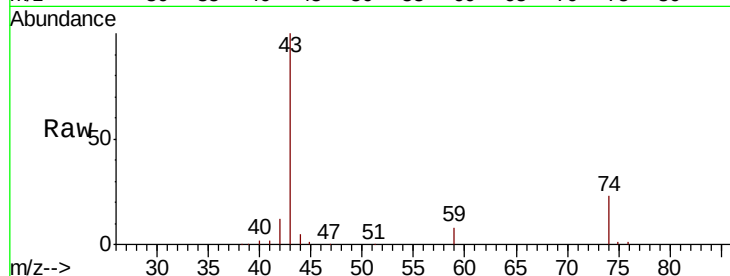
ClientSampled :

Tot Ion: 43 Resp: 55977

Ion Ratio Lower Upper

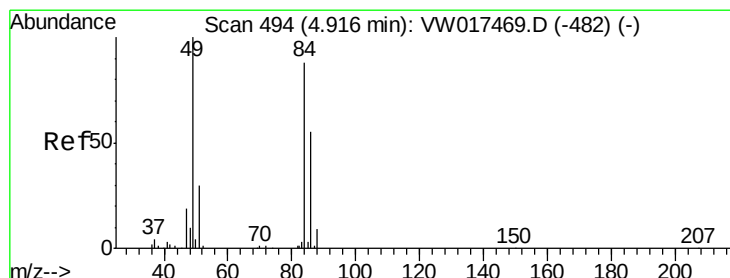
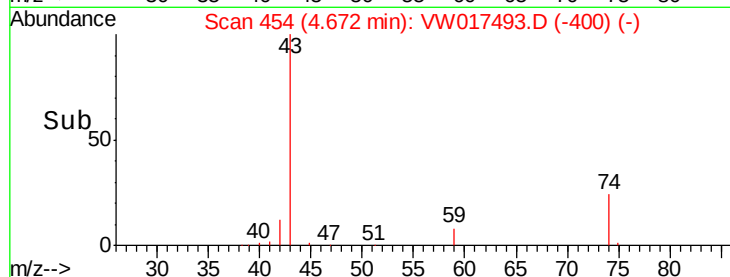
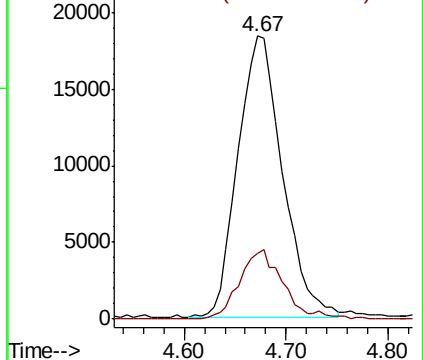
43 100

74 22.6 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 22.324 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW017493.D

Acq: 25 Nov 2020 10:26

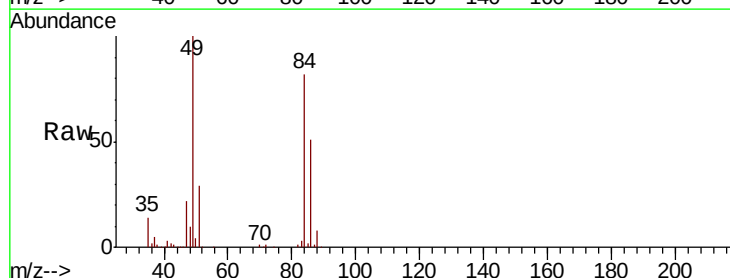
Tgt Ion: 84 Resp: 158861

Ion Ratio Lower Upper

84 100

49 122.0 81.2 150.8

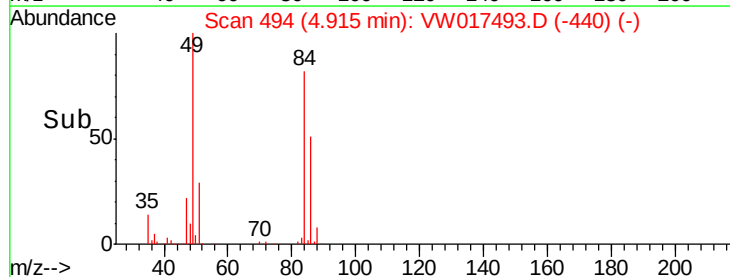
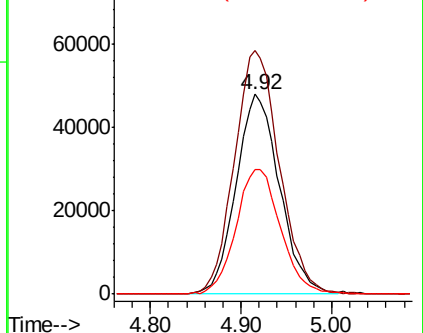
86 62.3 44.5 82.7

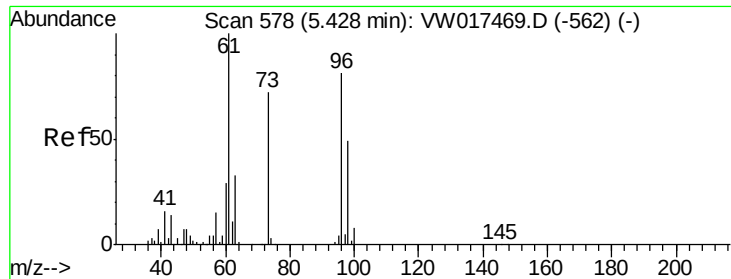


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

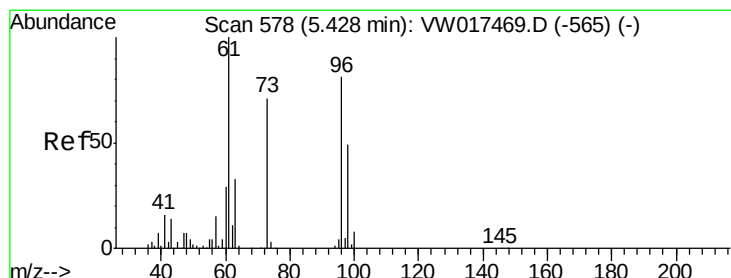
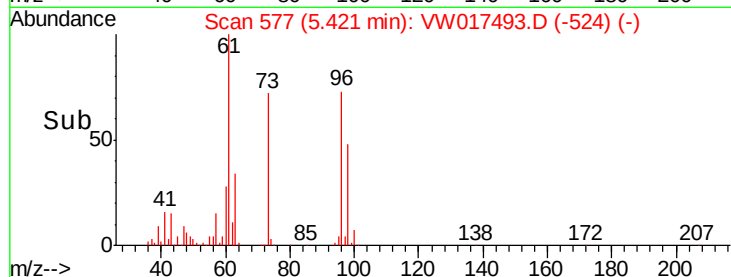
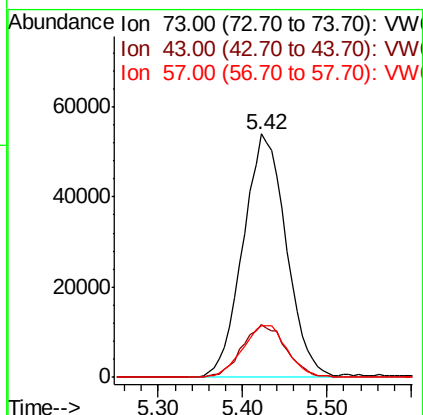
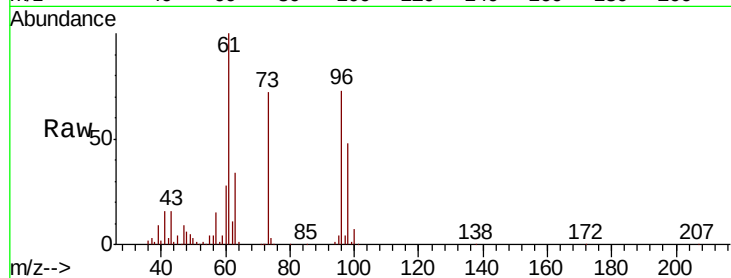




#17
Methyl tert-butyl Ether
Concen: 26.720 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW017493.D
Acq: 25 Nov 2020 10:26

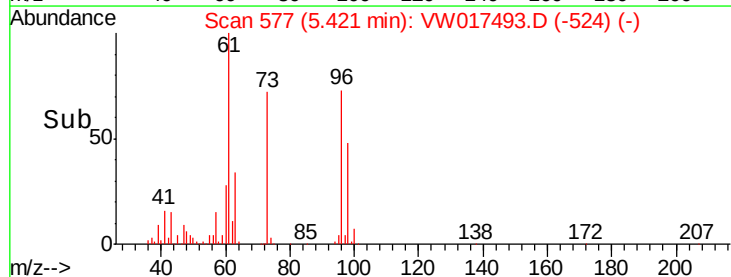
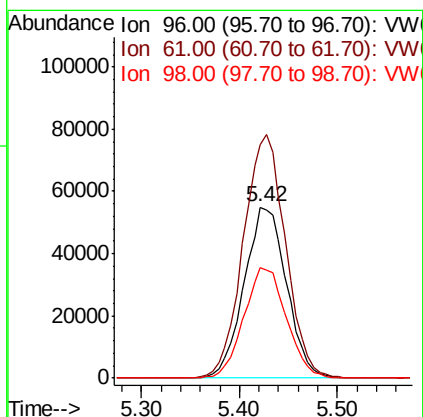
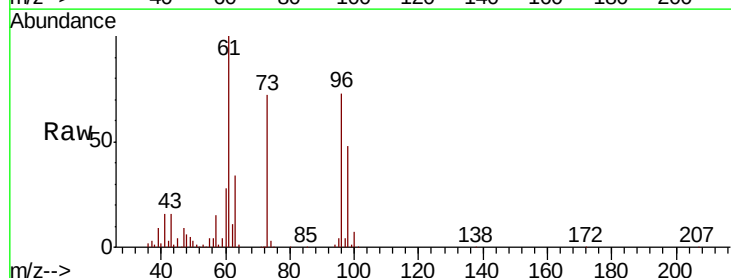
Instrument :
MSVOA_W
ClientSampleId :

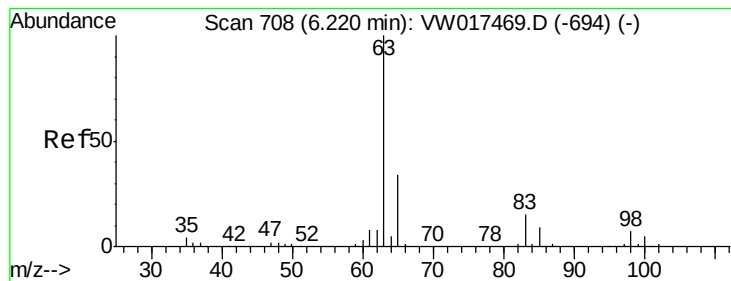
Tot Ion: 73 Resp: 188881
Ion Ratio Lower Upper
73 100
43 21.9 16.2 24.4
57 22.1 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 24.417 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW017493.D
Acq: 25 Nov 2020 10:26

Tgt Ion: 96 Resp: 164960
Ion Ratio Lower Upper
96 100
61 136.8 92.7 172.1
98 65.0 43.3 80.3





#19

1,1-Dichloroethane

Concen: 25.526 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW017493.D

Acq: 25 Nov 2020 10:26

Instrument :

MSVOA_W

ClientSampled :

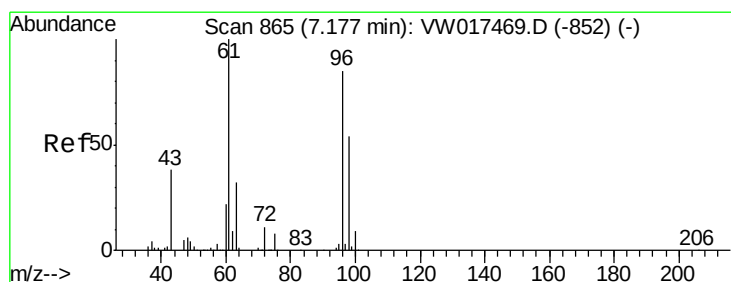
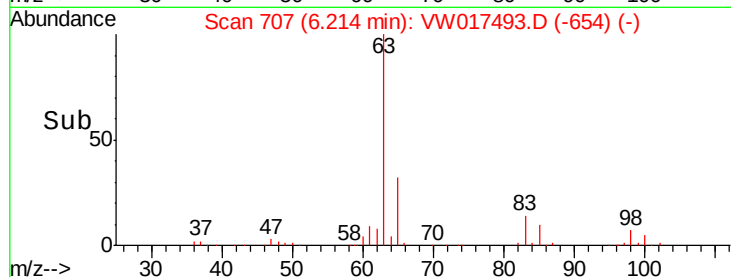
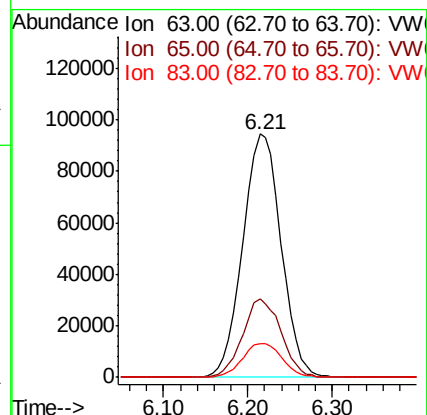
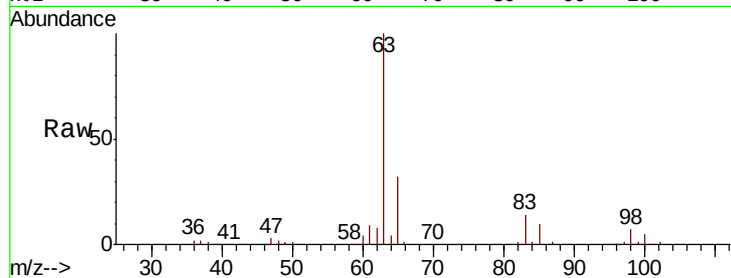
Tot Ion: 63 Resp: 291170

Ion Ratio Lower Upper

63 100

65 32.3 21.9 40.7

83 13.9 9.4 17.6



#21

2-Butanone

Concen: 52.785 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW017493.D

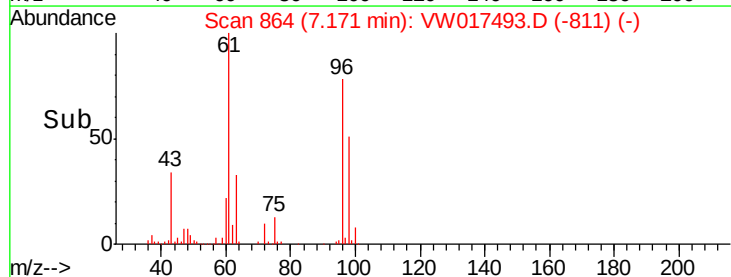
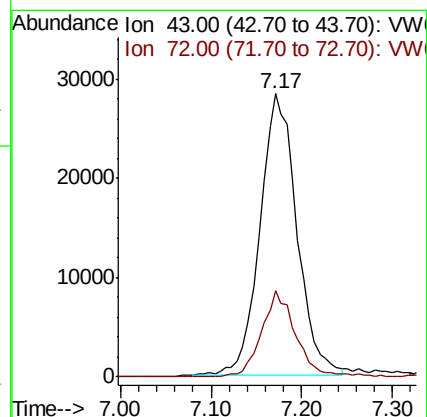
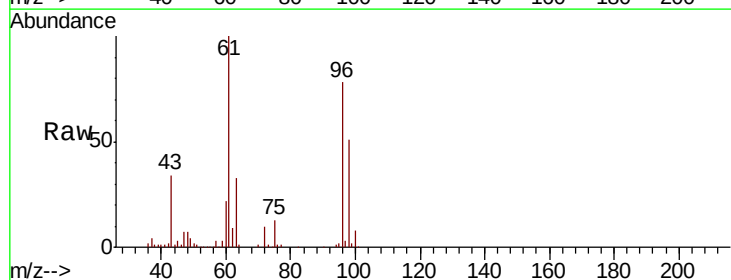
Acq: 25 Nov 2020 10:26

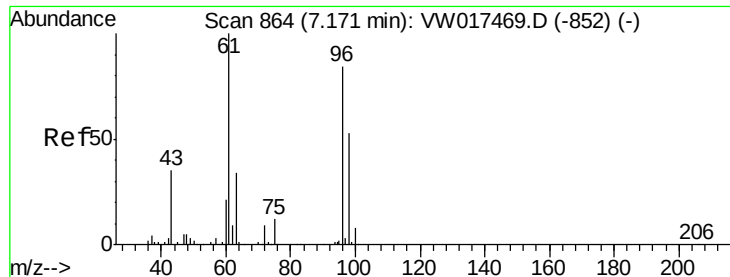
Tgt Ion: 43 Resp: 79921

Ion Ratio Lower Upper

43 100

72 27.8 14.4 43.2



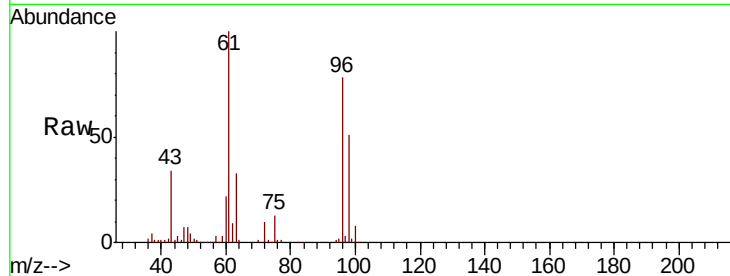


#22

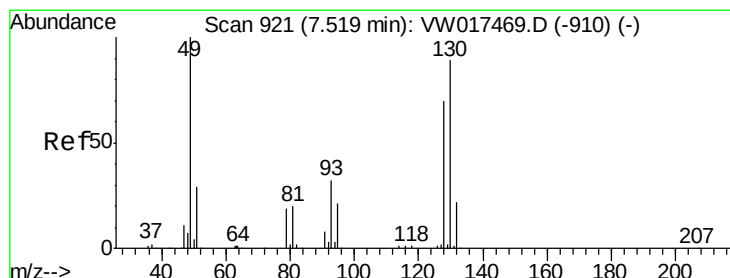
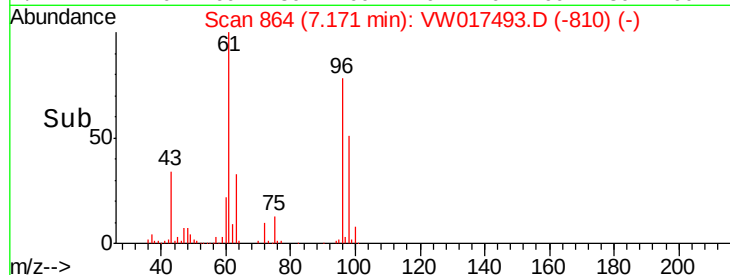
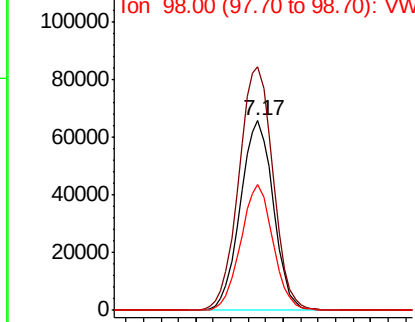
cis-1,2-Dichloroethene
 Concen: 24.567 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW017493.D
 Acq: 25 Nov 2020 10:26

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 96 Resp: 173170
 Ion Ratio Lower Upper
 96 100
 61 128.5 84.6 157.2
 98 66.1 44.7 82.9



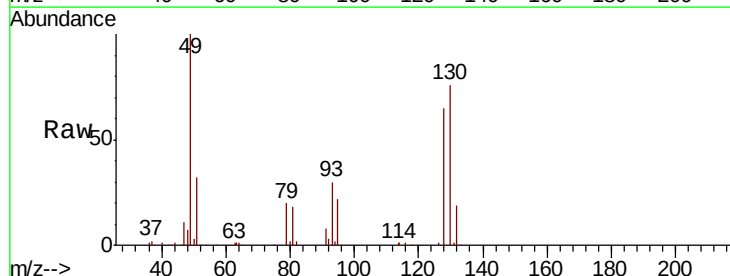
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



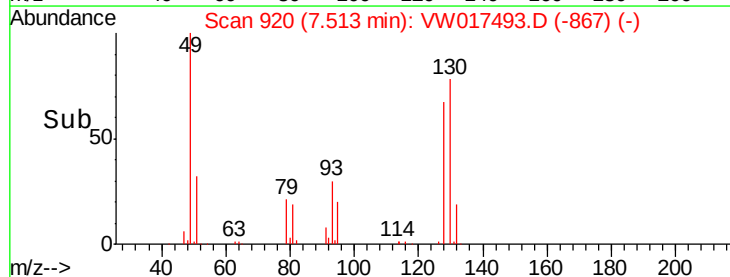
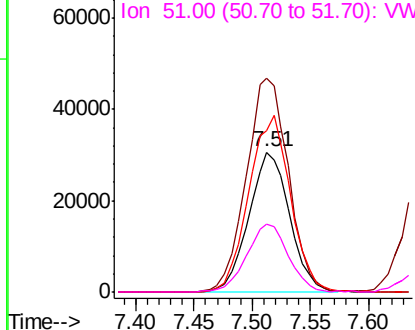
#23

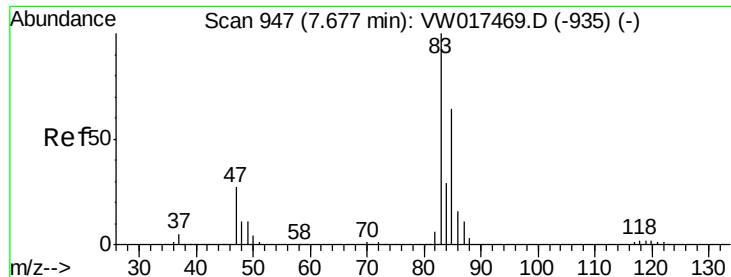
Bromochloromethane
 Concen: 23.296 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW017493.D
 Acq: 25 Nov 2020 10:26

Tgt Ion:128 Resp: 74591
 Ion Ratio Lower Upper
 128 100
 49 153.0 101.6 188.6
 130 115.8 90.4 167.8
 51 48.6 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

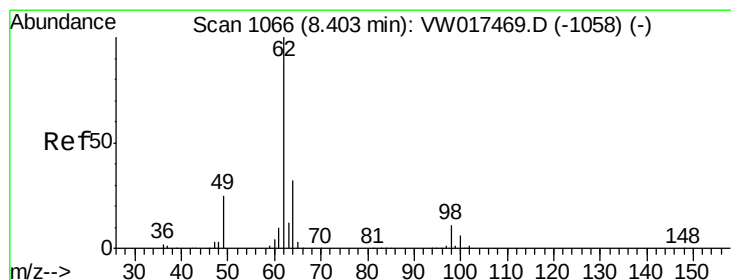
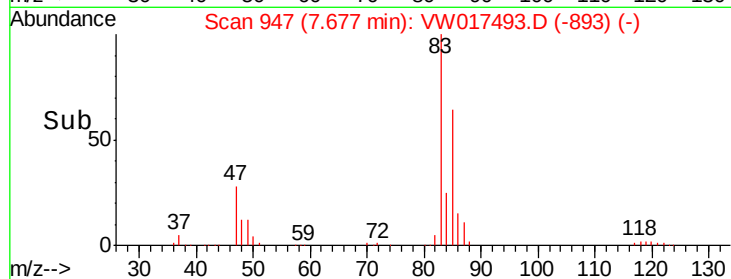
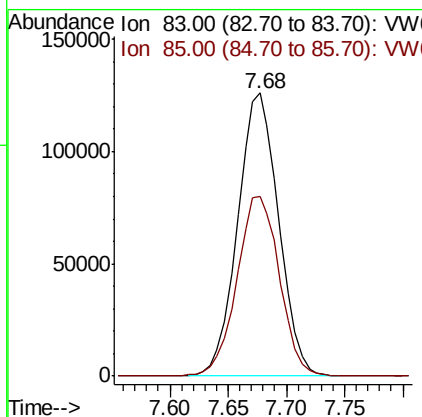
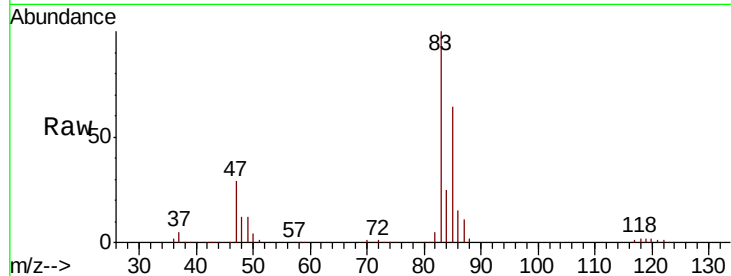




#25
Chloroform
Concen: 25.668 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017493.D
Acq: 25 Nov 2020 10:26

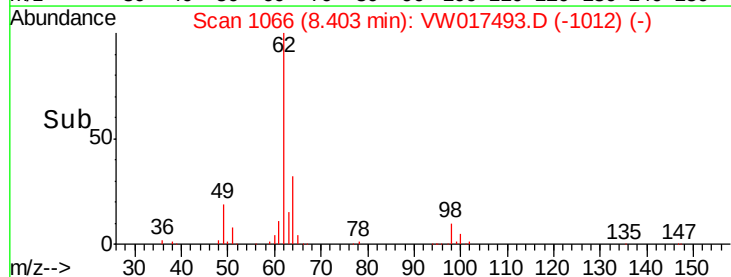
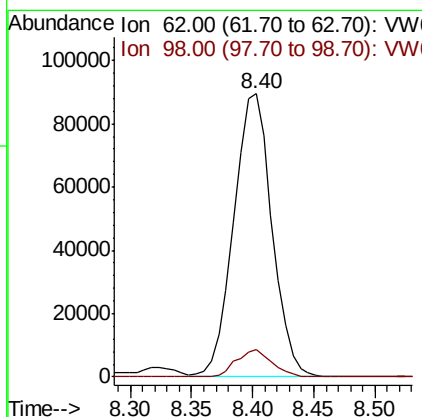
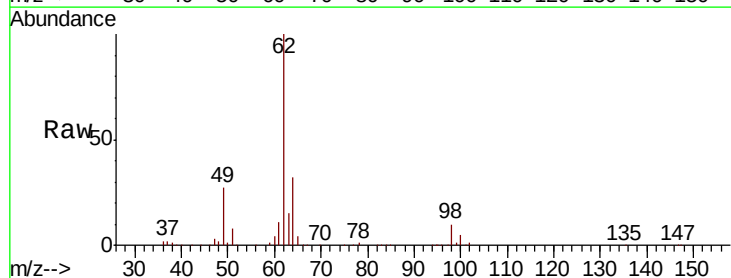
Instrument :
MSVOA_W
ClientSampleId :

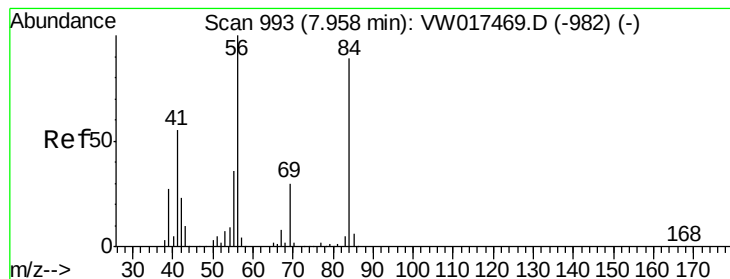
Tot Ion: 83 Resp: 309094
Ion Ratio Lower Upper
83 100
85 66.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 26.782 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017493.D
Acq: 25 Nov 2020 10:26

Tgt Ion: 62 Resp: 194233
Ion Ratio Lower Upper
62 100
98 9.8 8.0 12.0





#30

Cyclohexane

Concen: 26.743 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW017493.D

Acq: 25 Nov 2020 10:26

Instrument :

MSVOA_W

ClientSampleId :

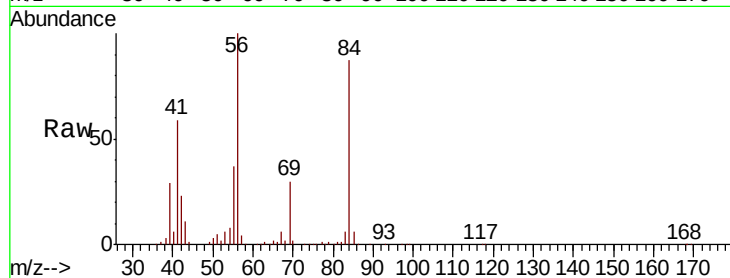
Tot Ion: 56 Resp: 270784

Ion Ratio Lower Upper

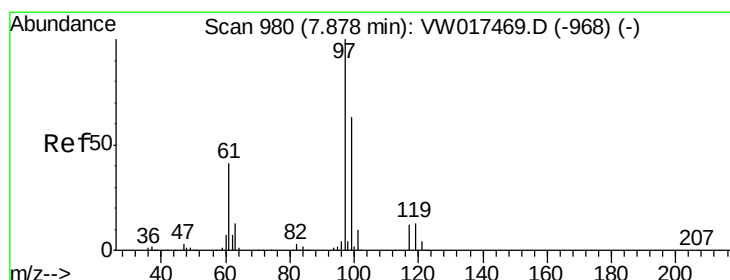
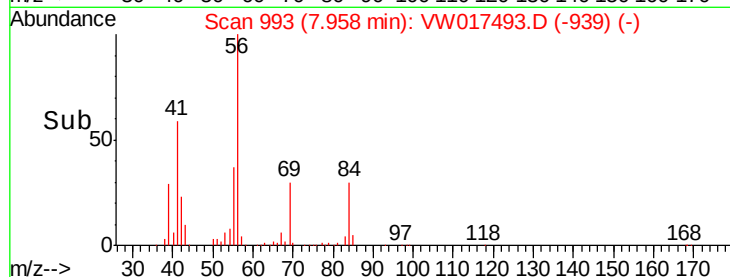
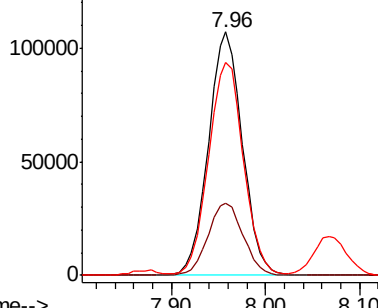
56 100

69 30.8 24.8 37.2

84 90.1 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: 27.196 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW017493.D

Acq: 25 Nov 2020 10:26

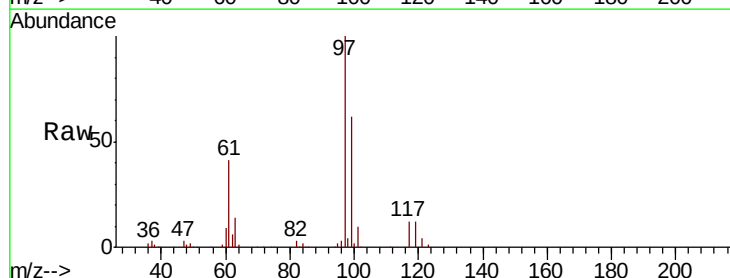
Tgt Ion: 97 Resp: 273232

Ion Ratio Lower Upper

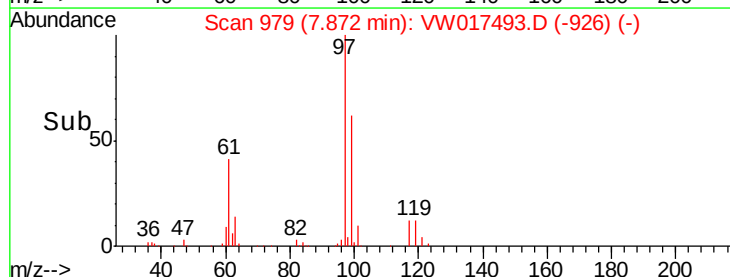
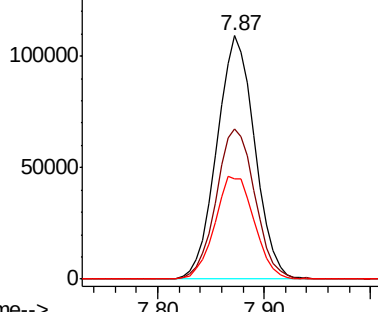
97 100

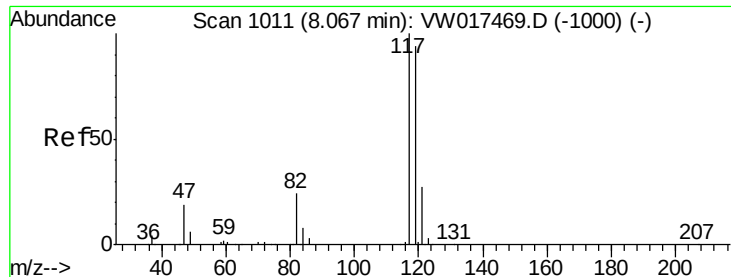
99 63.0 51.0 76.4

61 44.0 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: 26.913 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW017493.D

Acq: 25 Nov 2020 10:26

Instrument :

MSVOA_W

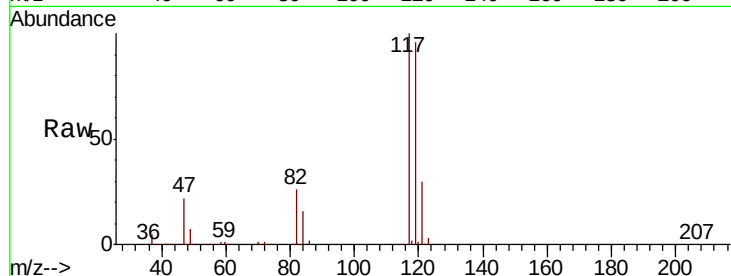
ClientSampled :

Tot Ion:117 Resp: 262543

Ion Ratio Lower Upper

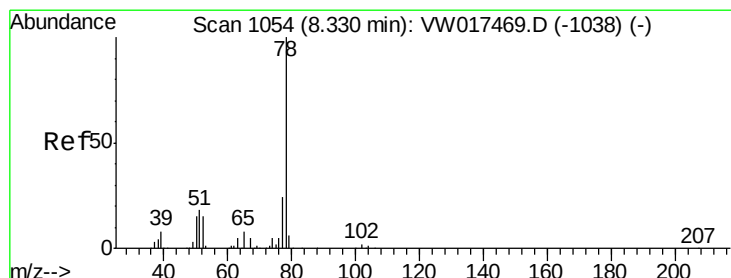
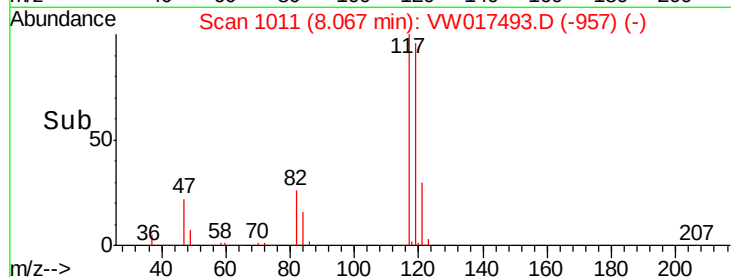
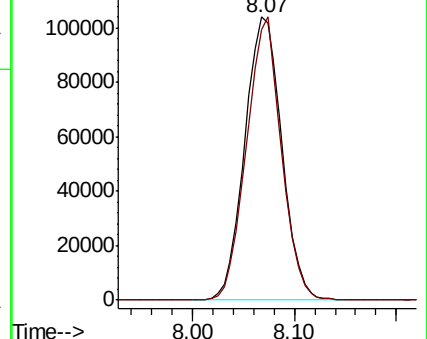
117 100

119 94.1 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: 25.130 ug/L

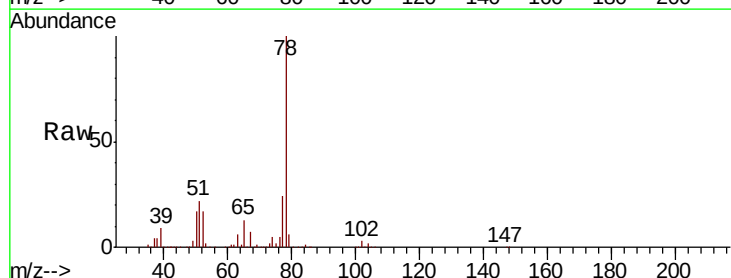
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

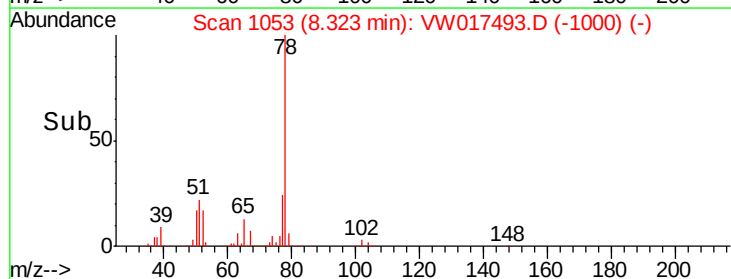
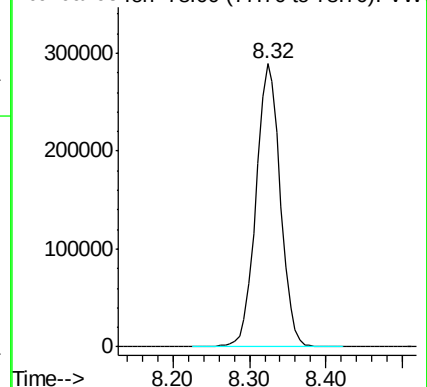
Lab File: VW017493.D

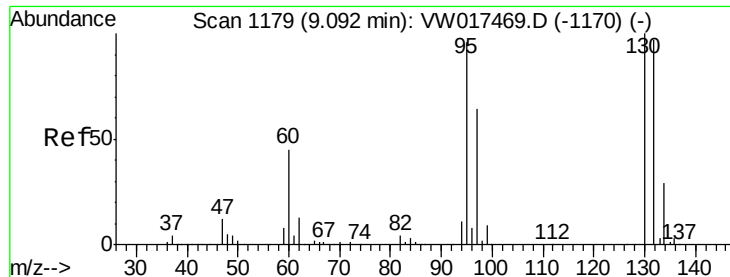
Acq: 25 Nov 2020 10:26

Tgt Ion: 78 Resp: 641147



Abundance Ion 78.00 (77.70 to 78.70): VW

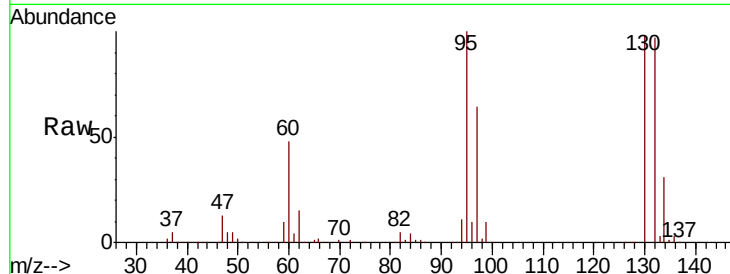




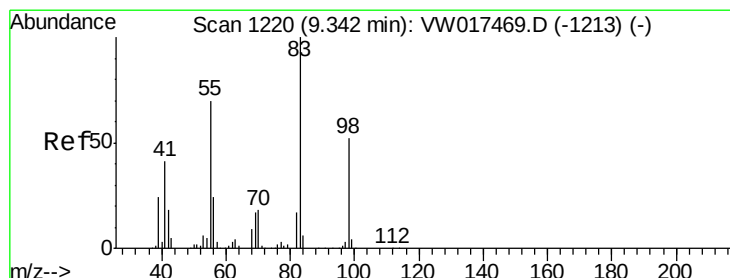
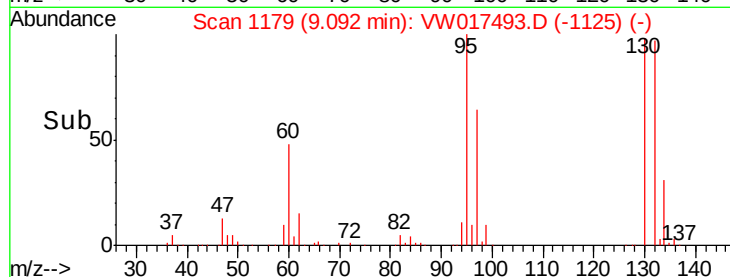
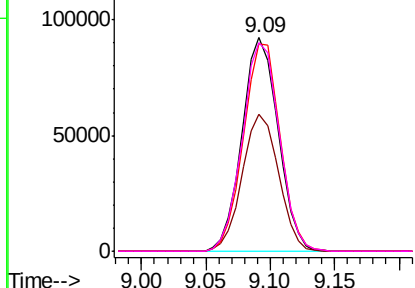
#35
 Trichloroethene
 Concen: 25.396 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW017493.D
 Acq: 25 Nov 2020 10:26

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 95 Resp: 179626
 Ion Ratio Lower Upper
 95 100
 97 64.5 45.0 83.6
 132 98.5 71.0 131.8
 130 100.1 75.6 140.4

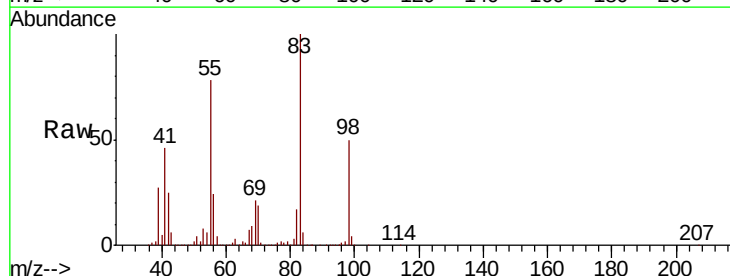


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

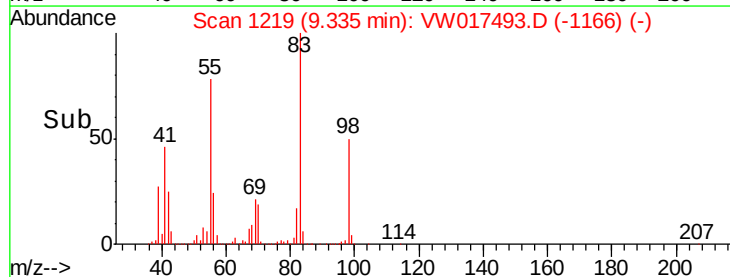
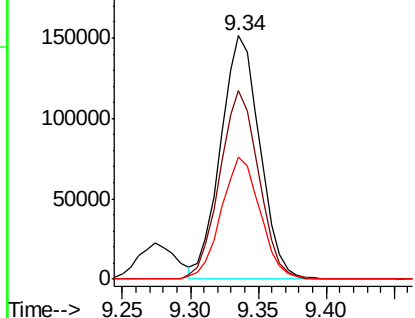


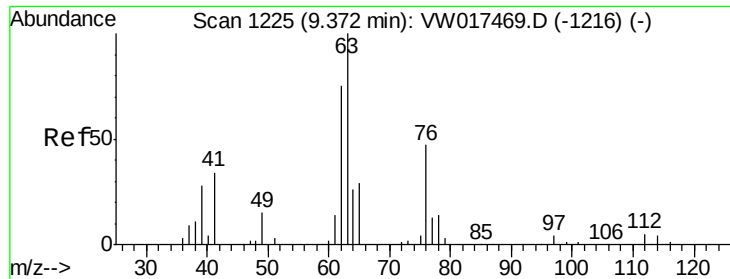
#36
 Methylcyclohexane
 Concen: 25.937 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VW017493.D
 Acq: 25 Nov 2020 10:26

Tgt Ion: 83 Resp: 303370
 Ion Ratio Lower Upper
 83 100
 55 77.1 59.4 89.0
 98 49.9 40.7 61.1



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

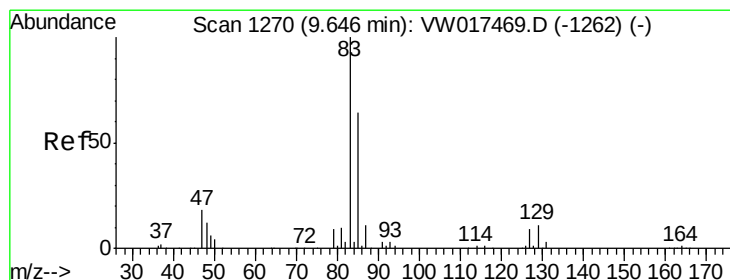
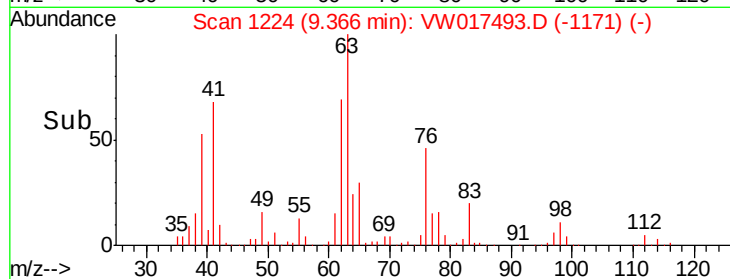
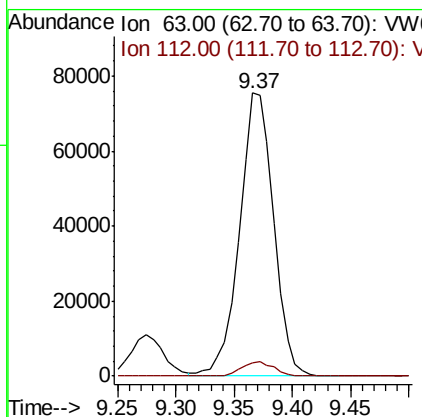
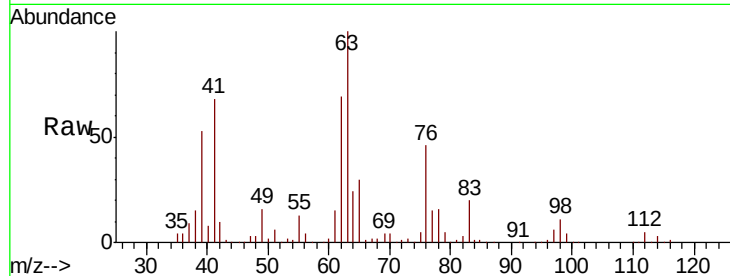




#40
 1,2-Dichloropropane
 Concen: 25.760 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW017493.D
 Acq: 25 Nov 2020 10:26

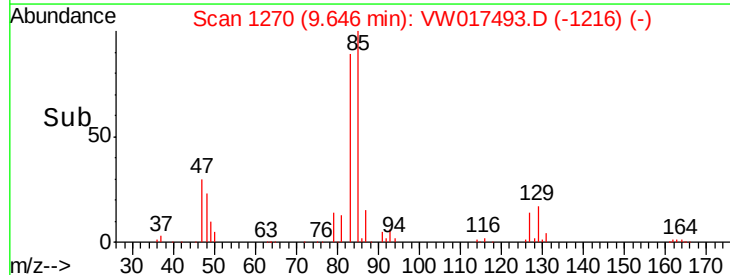
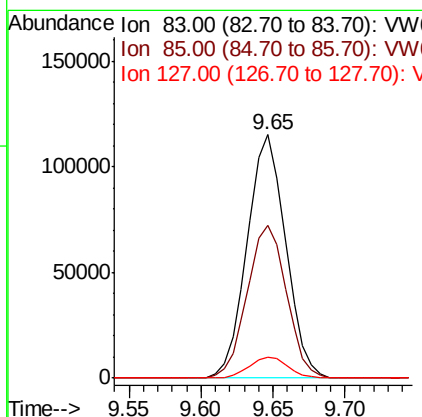
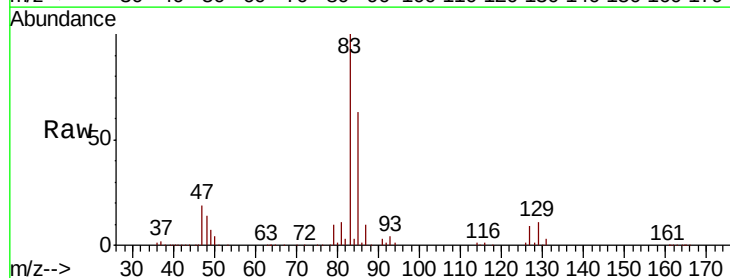
Instrument :
 MSVOA_W
 ClientSampled :

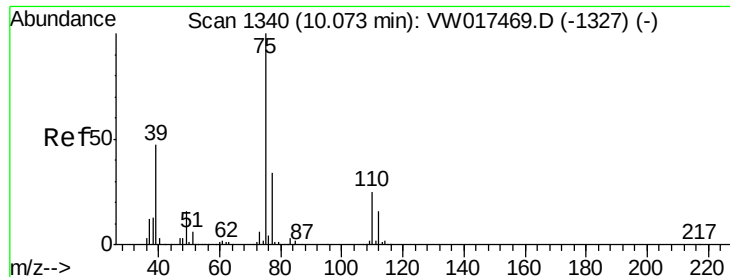
Tot Ion: 63 Resp: 154375
 Ion Ratio Lower Upper
 63 100
 112 4.8 4.2 6.4



#41
 Bromodichloromethane
 Concen: 25.785 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017493.D
 Acq: 25 Nov 2020 10:26

Tgt Ion: 83 Resp: 213498
 Ion Ratio Lower Upper
 83 100
 85 62.7 46.8 86.8
 127 8.6 7.6 11.4





#42

cis-1,3-Dichloropropene

Concen: 26.529 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017493.D

Acq: 25 Nov 2020 10:26

Instrument :

MSVOA_W

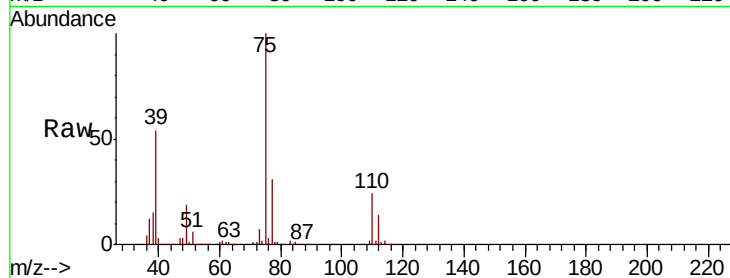
ClientSampleId :

Tot Ion: 75 Resp: 246252

Ion Ratio Lower Upper

75 100

77 30.9 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

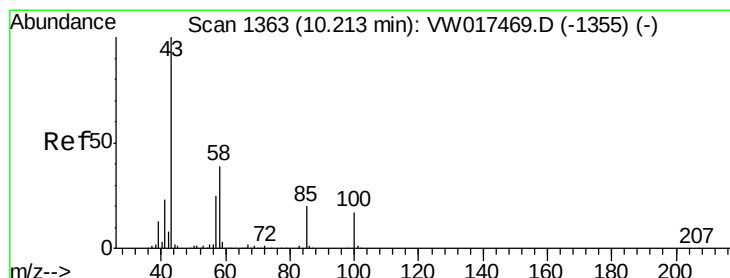
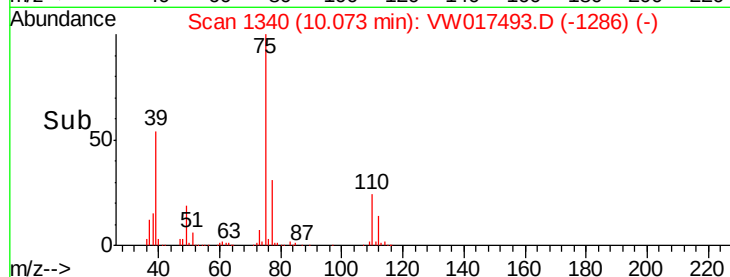
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 52.018 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017493.D

Acq: 25 Nov 2020 10:26

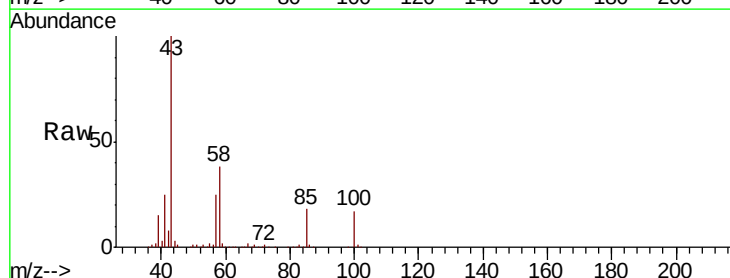
Tgt Ion: 43 Resp: 143515

Ion Ratio Lower Upper

43 100

58 37.4 31.6 47.4

100 16.4 14.1 21.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

300000

250000

200000

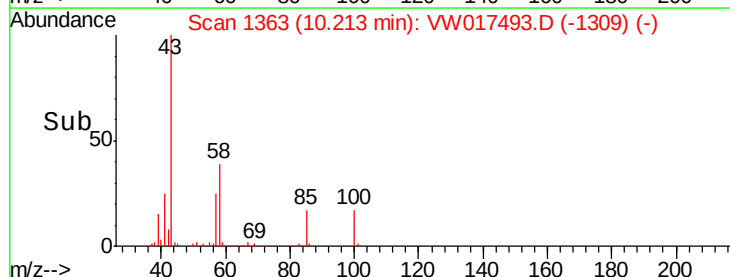
150000

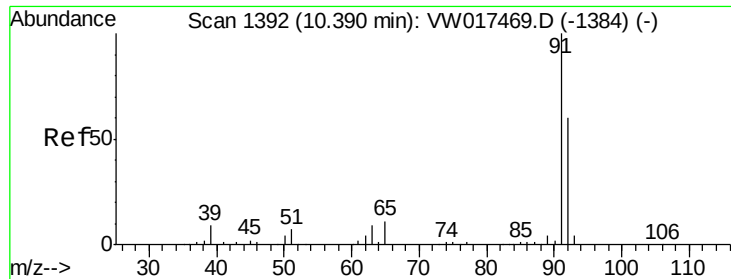
100000

50000

0

Time-->





#44

Toluene

Concen: 25.867 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017493.D

Acq: 25 Nov 2020 10:26

Instrument :

MSVOA_W

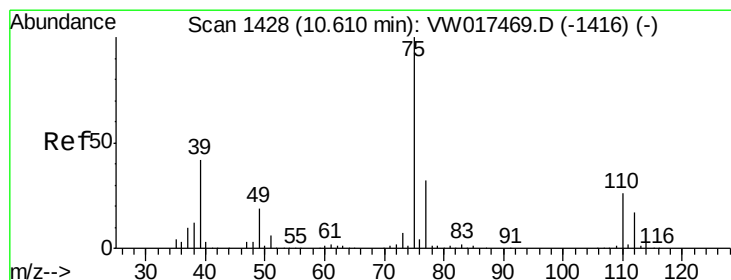
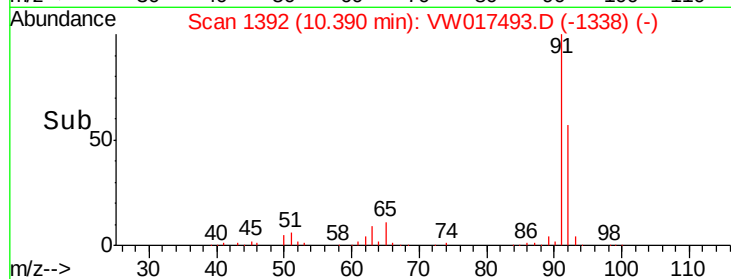
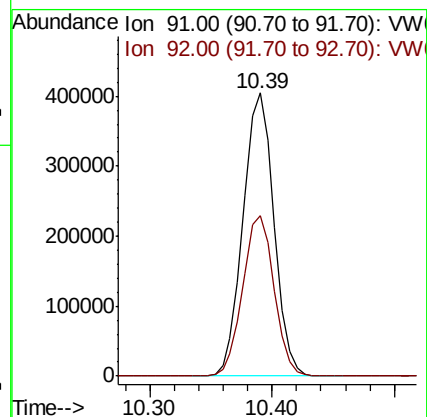
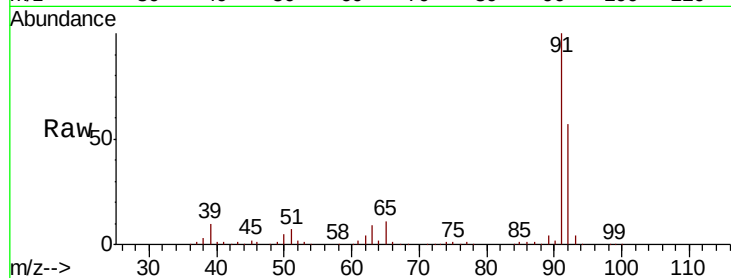
ClientSampleId :

Tot Ion: 91 Resp: 710174

Ion Ratio Lower Upper

91 100

92 56.7 41.6 77.3



#45

trans-1,3-Dichloropropene

Concen: 26.640 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW017493.D

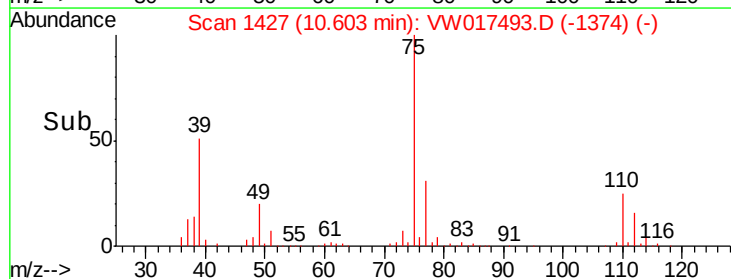
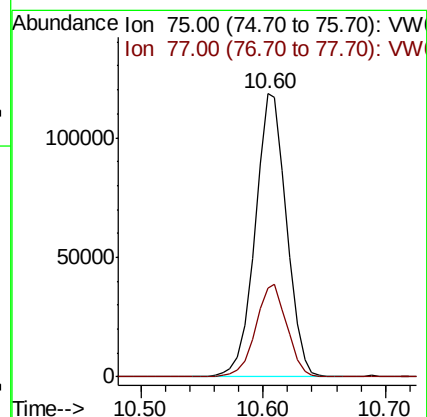
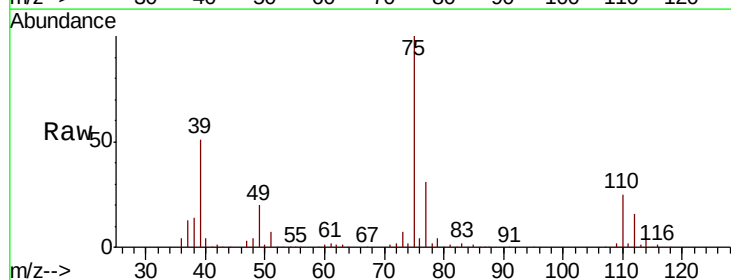
Acq: 25 Nov 2020 10:26

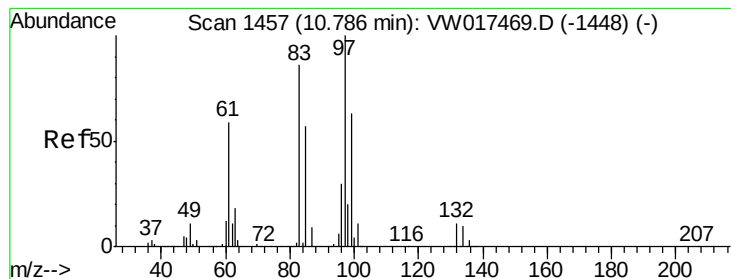
Tgt Ion: 75 Resp: 211900

Ion Ratio Lower Upper

75 100

77 31.3 22.6 42.0





#46

1,1,2-Trichloroethane

Concen: 23.909 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW017493.D

Acq: 25 Nov 2020 10:26

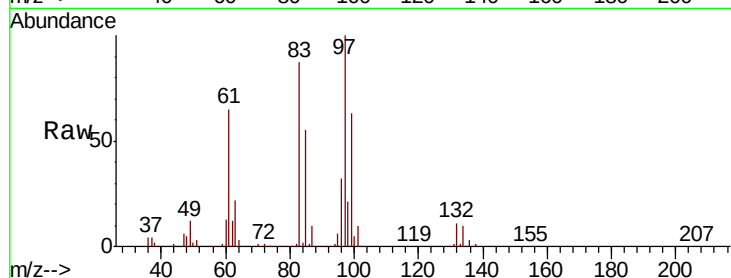
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 107356

Ion	Ratio	Lower	Upper
97	100		
83	86.8	58.5	108.7
85	54.9	37.8	70.2
99	63.1	43.7	81.1



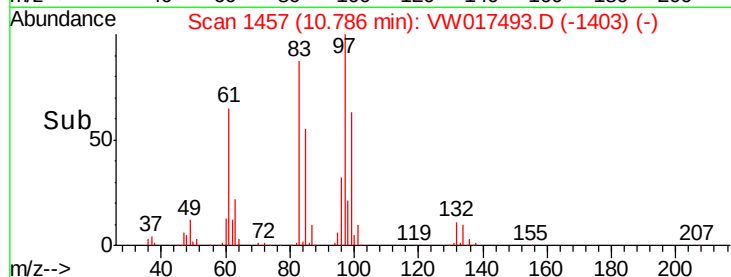
Abundance

Ion 97.00 (96.70 to 97.70): VW

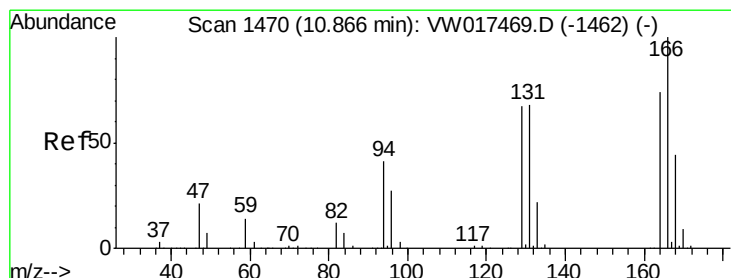
Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



Time-->



#47

Tetrachloroethene

Concen: 23.874 ug/L

RT: 10.87 min Scan# 1470

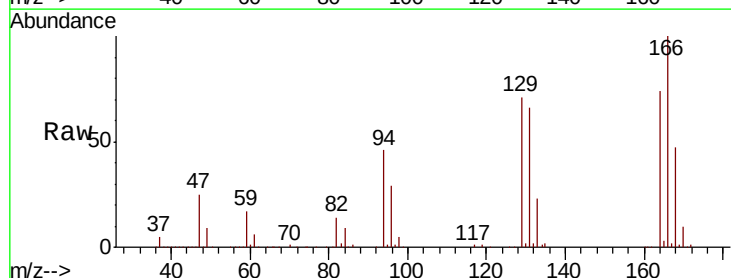
Delta R.T. -0.00 min

Lab File: VW017493.D

Acq: 25 Nov 2020 10:26

Tgt Ion: 164 Resp: 143876

Ion	Ratio	Lower	Upper
164	100		
129	97.1	67.6	125.6
131	89.6	65.2	121.2
166	135.9	93.2	173.2



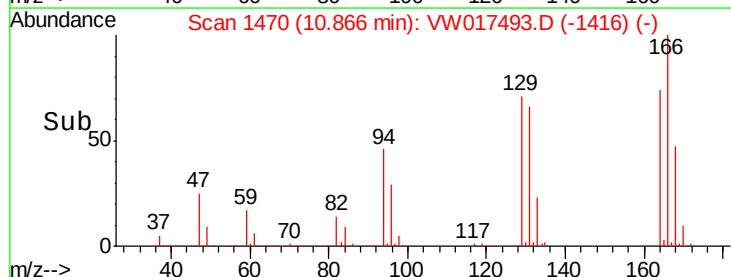
Abundance

Ion 164.00 (163.70 to 164.70): V

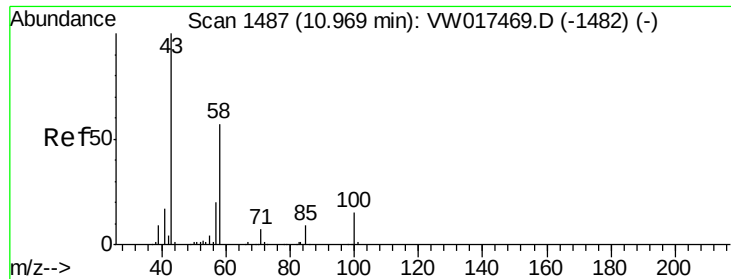
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



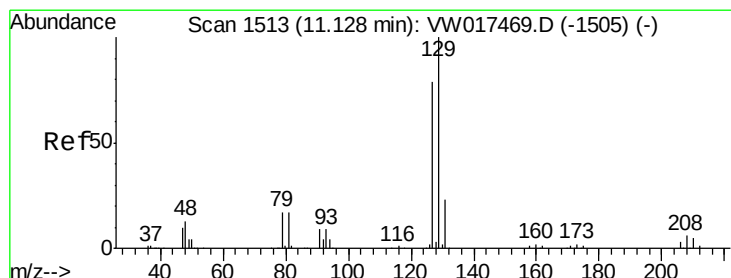
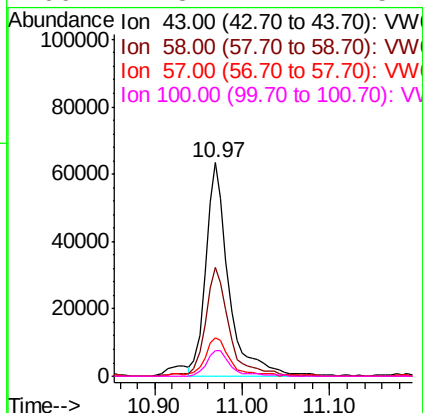
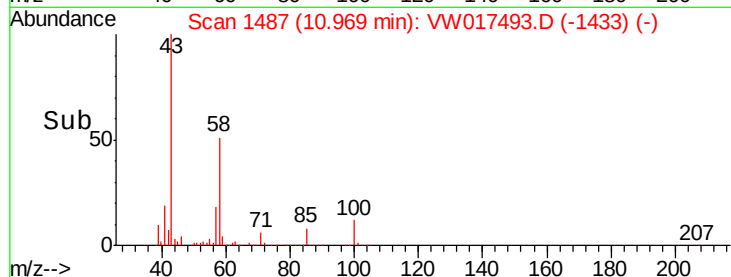
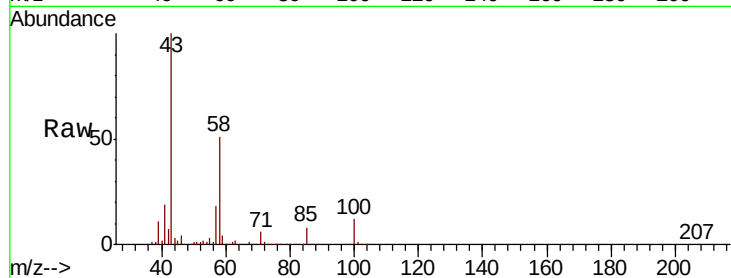
Time-->



#49
2-Hexanone
Concen: 59.213 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017493.D
Acq: 25 Nov 2020 10:26

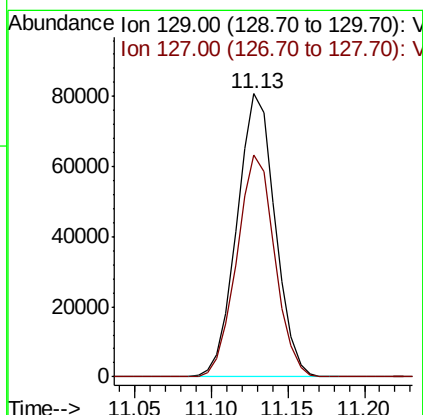
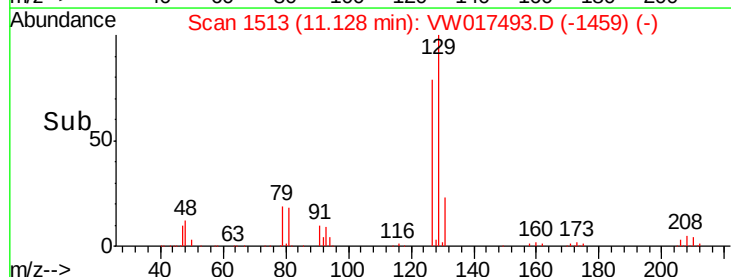
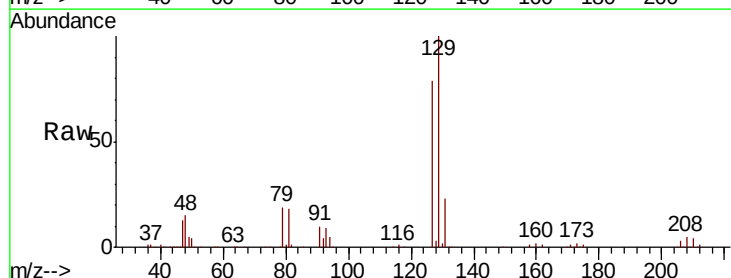
Instrument :
MSVOA_W
ClientSampleId :

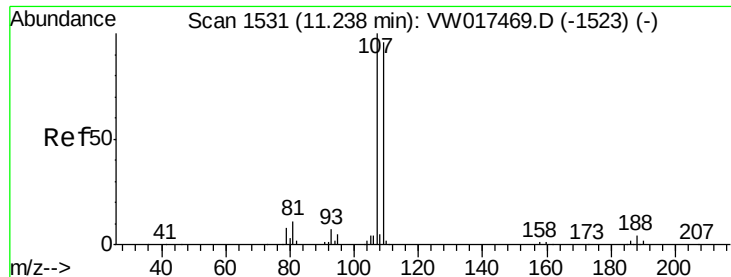
Tot Ion: 43 Resp: 115373
Ion Ratio Lower Upper
43 100
58 52.7 51.3 76.9
57 19.8 15.0 22.6
100 12.8 12.2 18.2



#50
Dibromochloromethane
Concen: 24.937 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW017493.D
Acq: 25 Nov 2020 10:26

Tgt Ion: 129 Resp: 139868
Ion Ratio Lower Upper
129 100
127 78.6 53.2 98.8

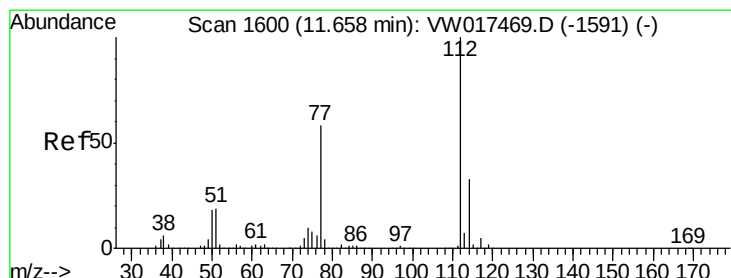
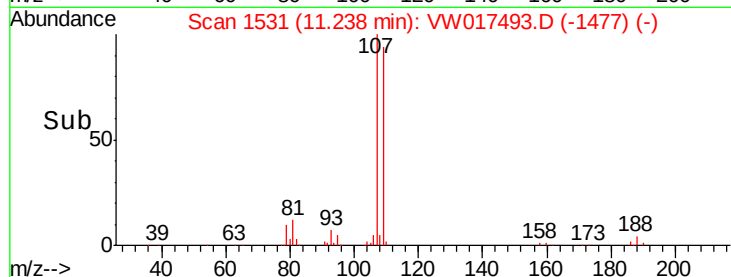
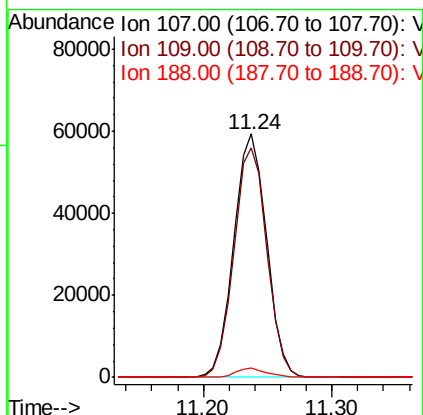
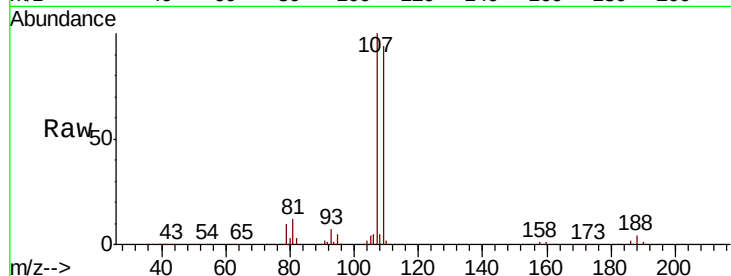




#51
1,2-Dibromoethane
Concen: 24.348 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW017493.D
Acq: 25 Nov 2020 10:26

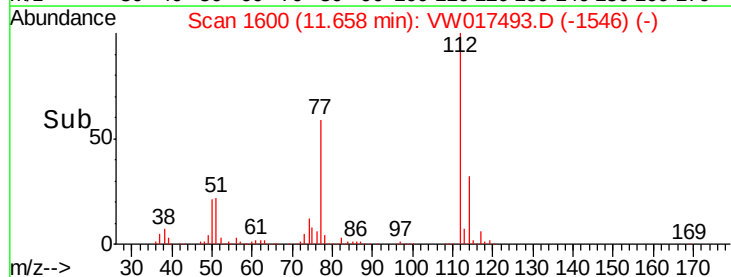
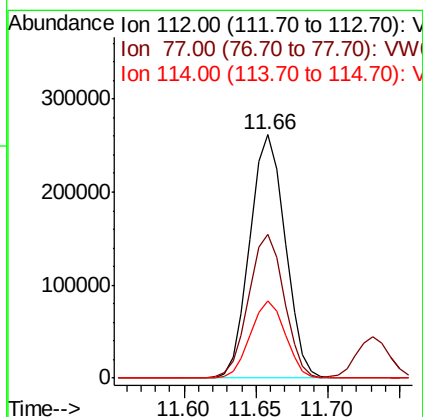
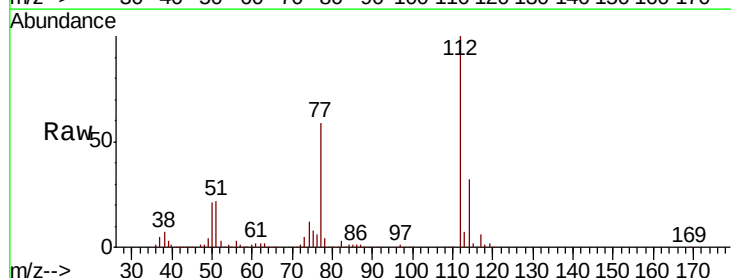
Instrument :
MSVOA_W
ClientSampleId :

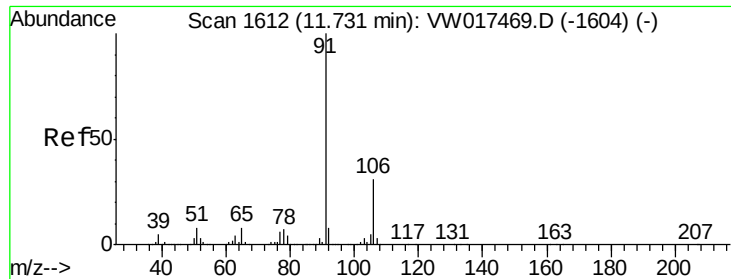
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	66.4	123.2
188	4.0	4.0	6.0



#52
Chlorobenzene
Concen: 24.766 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017493.D
Acq: 25 Nov 2020 10:26

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.2	42.6	64.0
114	31.8	21.6	40.2

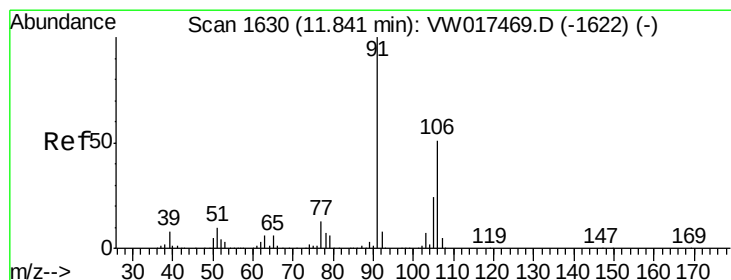
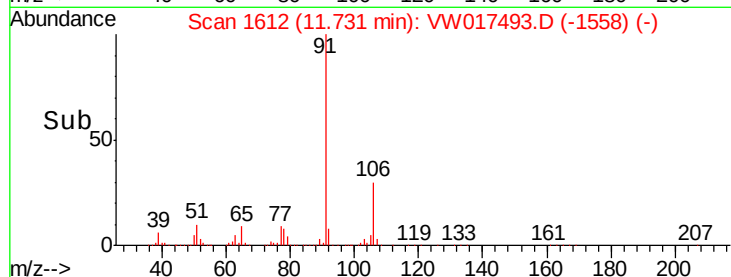
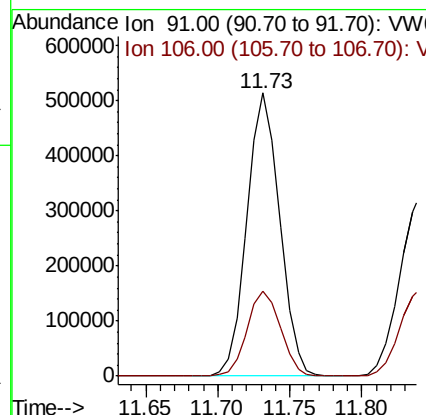
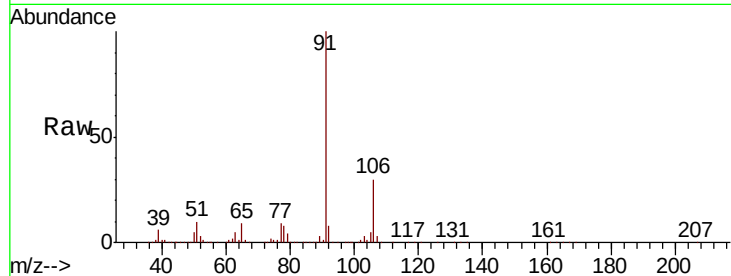




#53
Ethylbenzene
Concen: 25.984 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017493.D
Acq: 25 Nov 2020 10:26

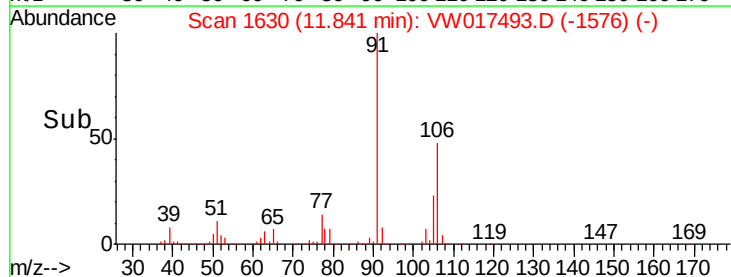
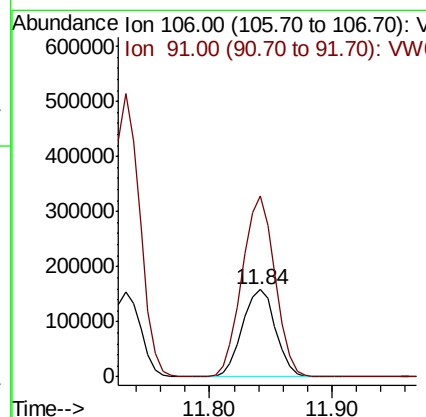
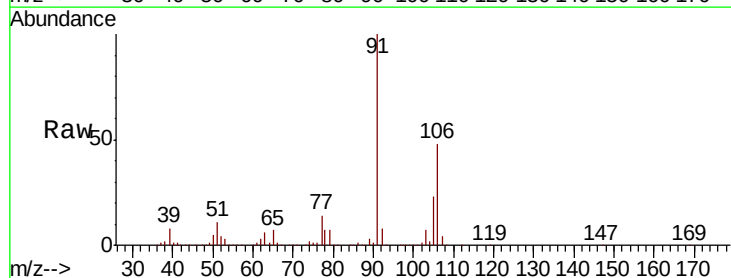
Instrument :
MSVOA_W
ClientSampled :

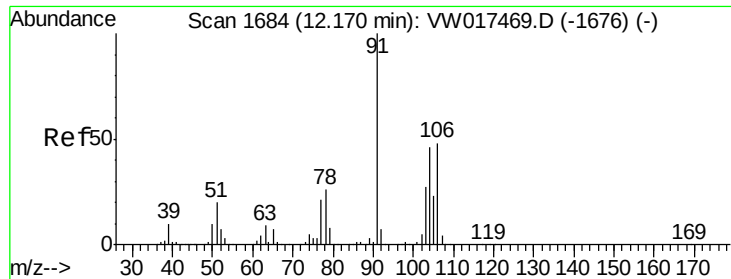
Tot Ion: 91 Resp: 808868
Ion Ratio Lower Upper
91 100
106 29.9 21.1 39.1



#54
m,p-Xylene
Concen: 25.358 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW017493.D
Acq: 25 Nov 2020 10:26

Tgt Ion: 106 Resp: 301176
Ion Ratio Lower Upper
106 100
91 207.0 136.4 253.4

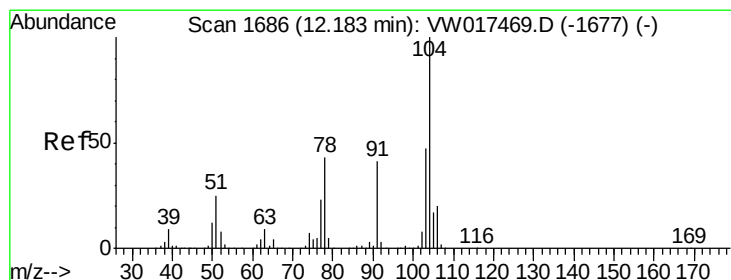
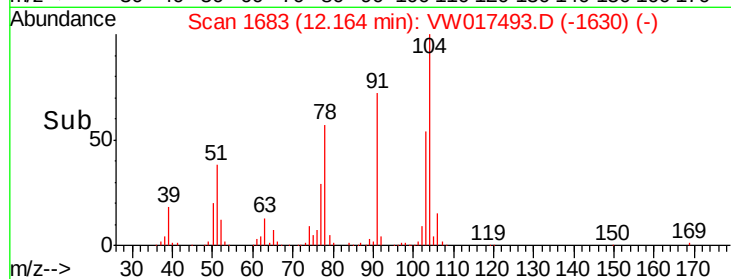
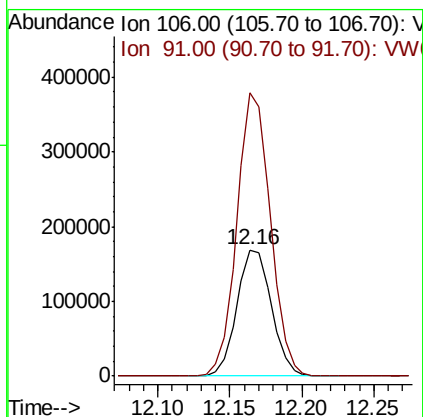
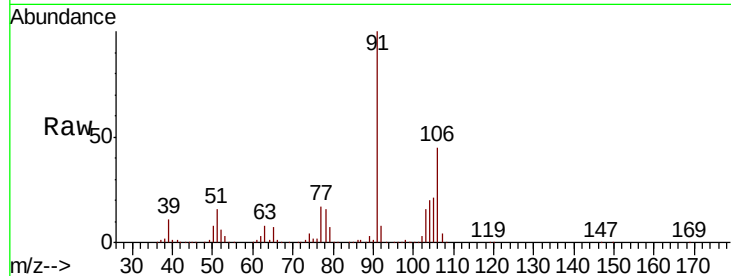




#55
o-xylene
Concen: 25.416 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW017493.D
Acq: 25 Nov 2020 10:26

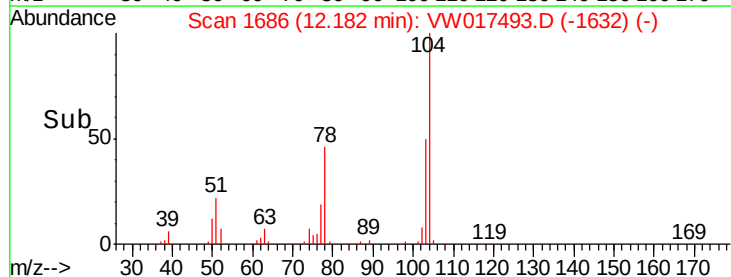
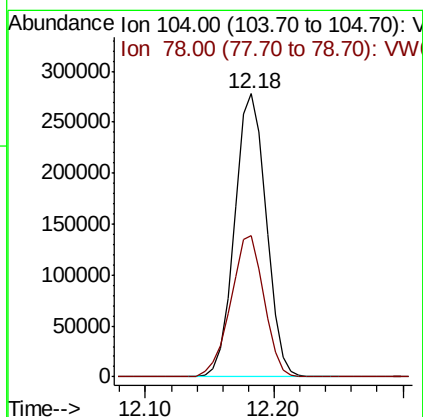
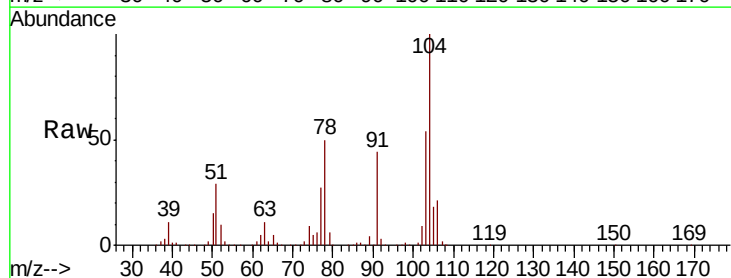
Instrument :
MSVOA_W
ClientSampled :

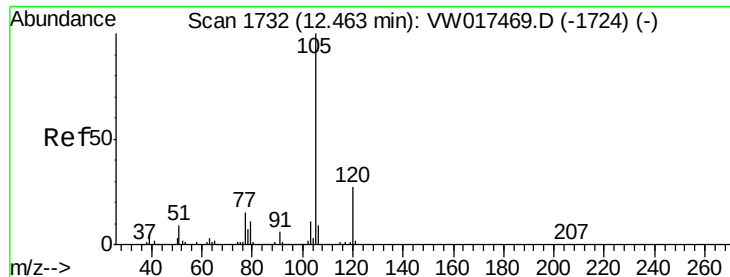
Tot Ion:106 Resp: 281151
Ion Ratio Lower Upper
106 100
91 224.0 147.6 274.2



#56
Styrene
Concen: 25.322 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017493.D
Acq: 25 Nov 2020 10:26

Tgt Ion:104 Resp: 471224
Ion Ratio Lower Upper
104 100
78 49.7 31.3 58.1





#57

Isopropylbenzene

Concen: 26.174 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017493.D

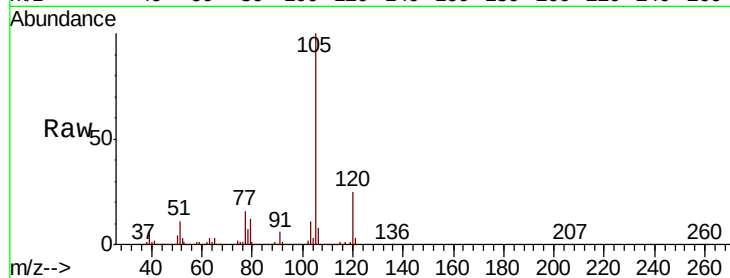
Acq: 25 Nov 2020 10:26

Instrument :

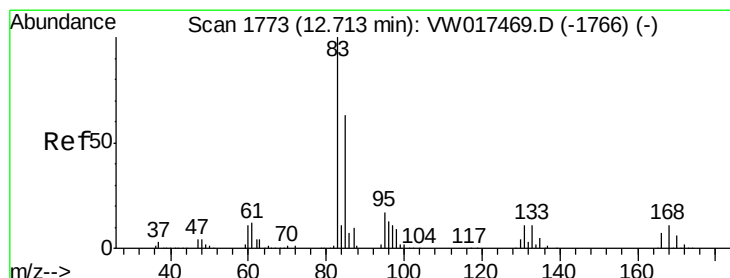
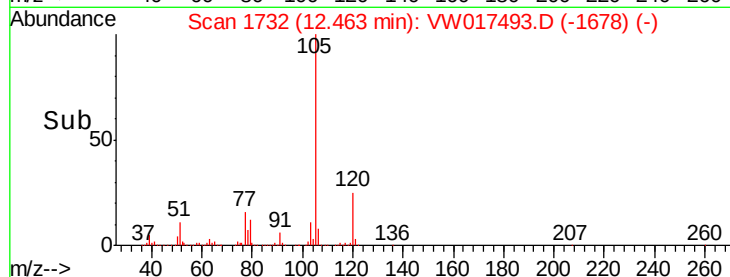
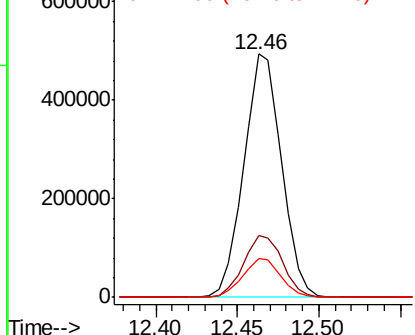
MSVOA_W

ClientSampleId :

Tot Ion:	105	Resp:	795285
Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.4	32.2
77	16.2	12.1	18.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.960 ug/L

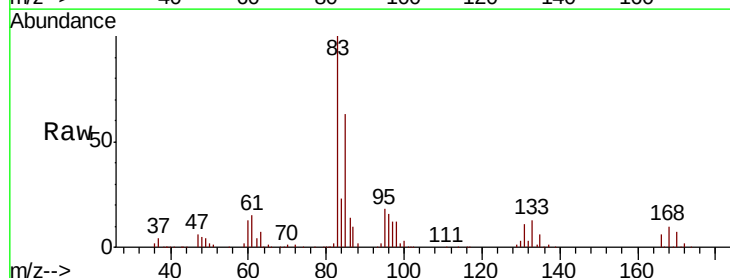
RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

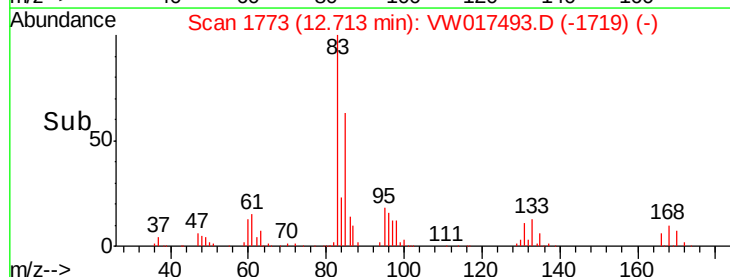
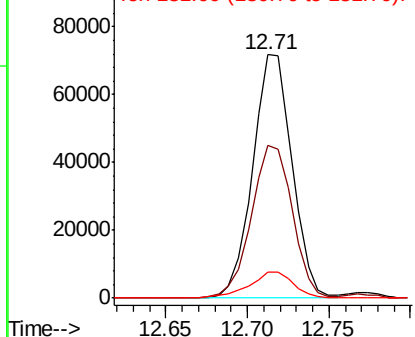
Lab File: VW017493.D

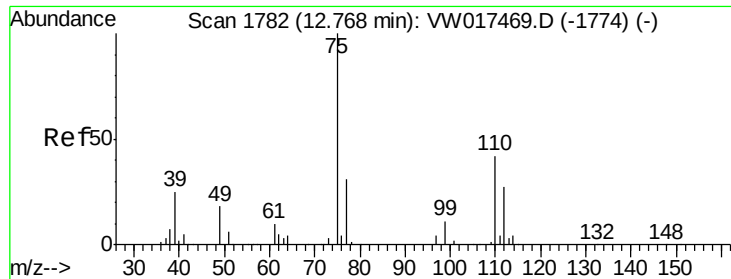
Acq: 25 Nov 2020 10:26

Tgt Ion:	83	Resp:	120632
Ion	Ratio	Lower	Upper
83	100		
85	62.7	45.3	84.1
131	10.6	8.3	12.5



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.929 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017493.D

Acq: 25 Nov 2020 10:26

Instrument :

MSVOA_W

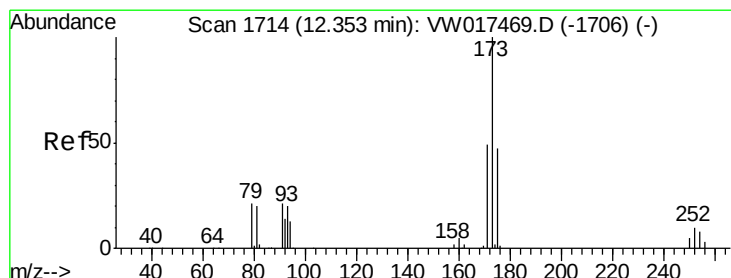
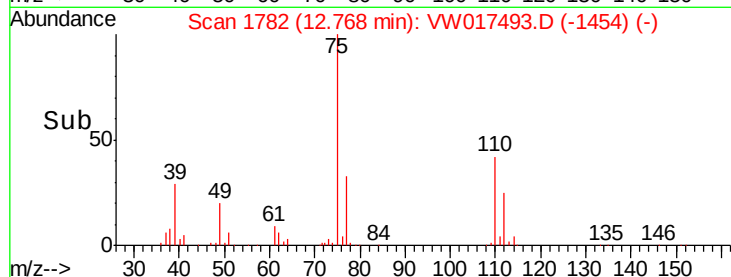
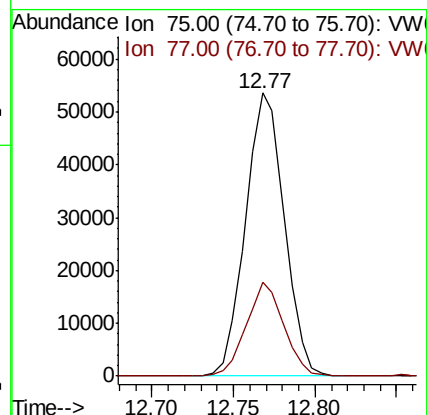
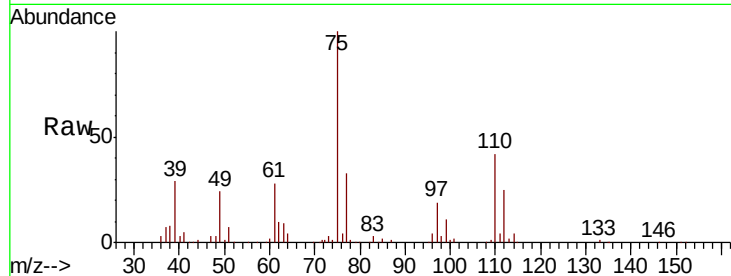
ClientSampleId :

Tot Ion: 75 Resp: 88928

Ion Ratio Lower Upper

75 100

77 32.0 26.6 39.8



#62

Bromoform

Concen: 24.473 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW017493.D

Acq: 25 Nov 2020 10:26

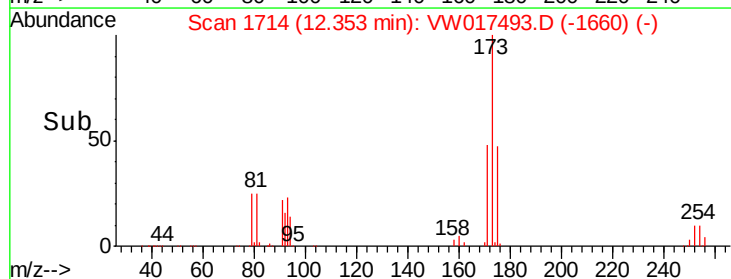
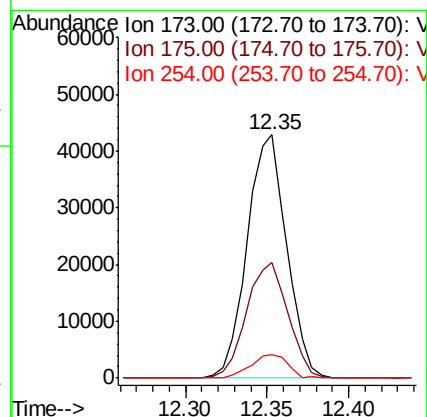
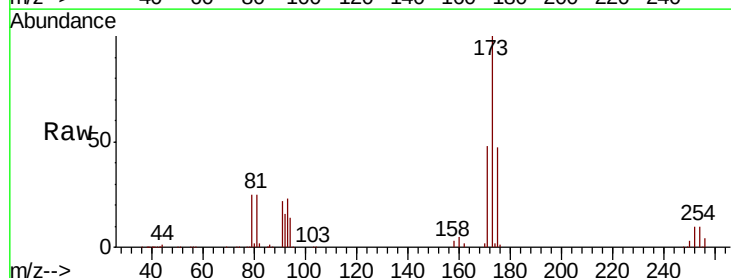
Tgt Ion: 173 Resp: 72471

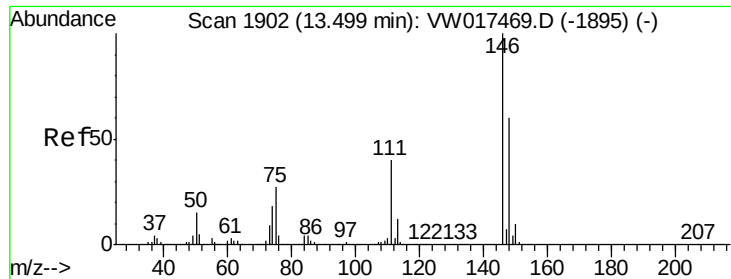
Ion Ratio Lower Upper

173 100

175 49.5 39.1 58.7

254 8.9 7.1 10.7

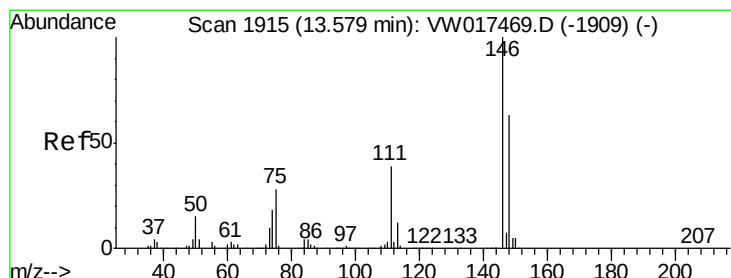
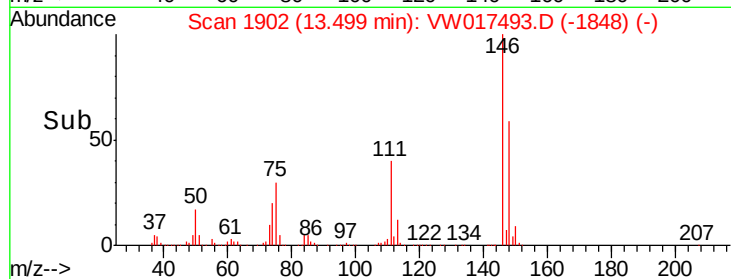
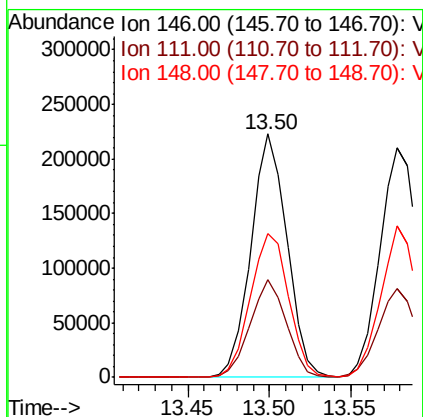
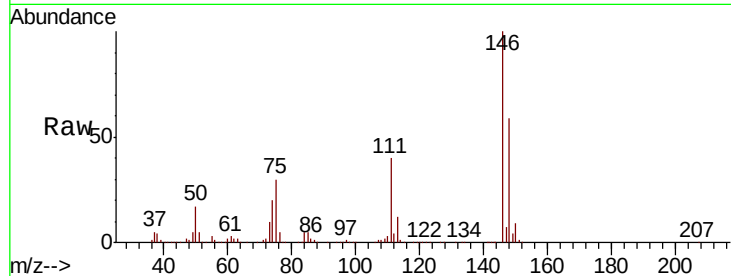




#63
 1,3-Dichlorobenzene
 Concen: 25.480 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017493.D
 Acq: 25 Nov 2020 10:26

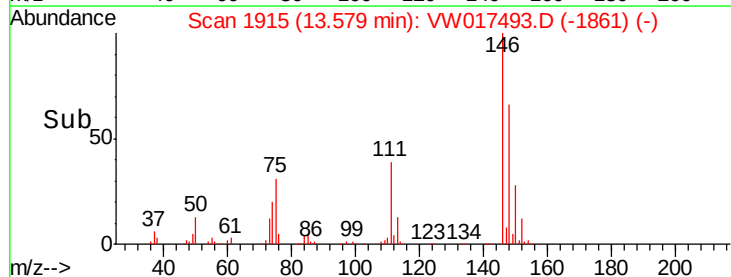
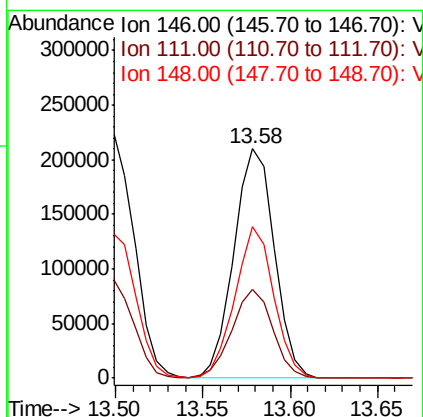
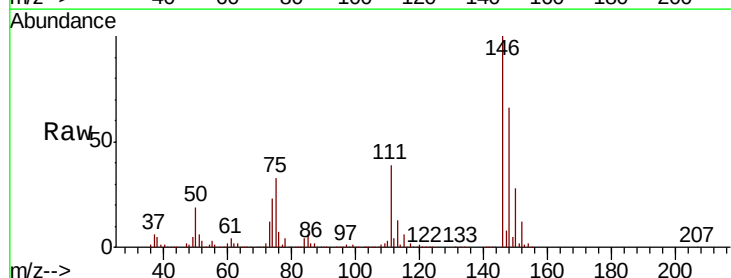
Instrument :
 MSVOA_W
 ClientSampled :

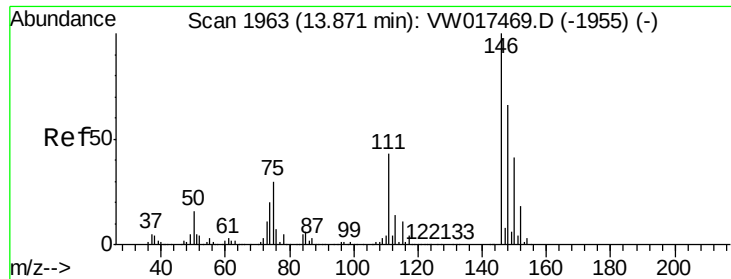
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	28.5	52.9
148	59.3	47.8	88.8



#64
 1,4-Dichlorobenzene
 Concen: 25.494 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017493.D
 Acq: 25 Nov 2020 10:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	27.7	51.5
148	65.9	47.0	87.2

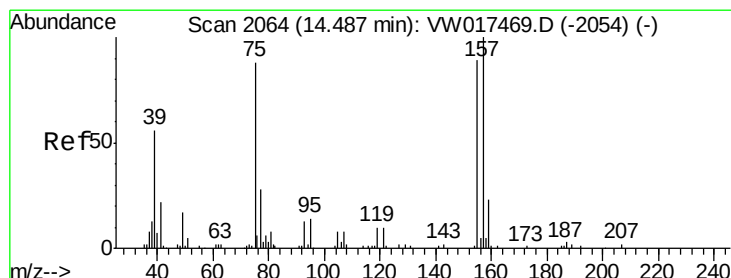
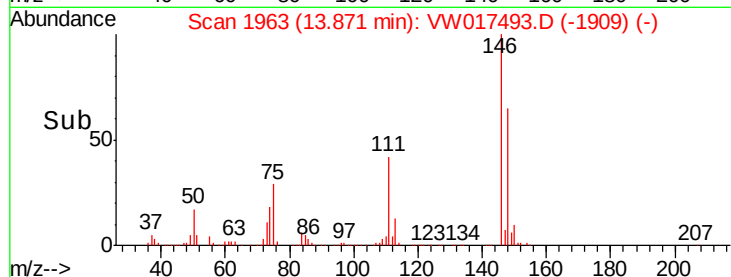
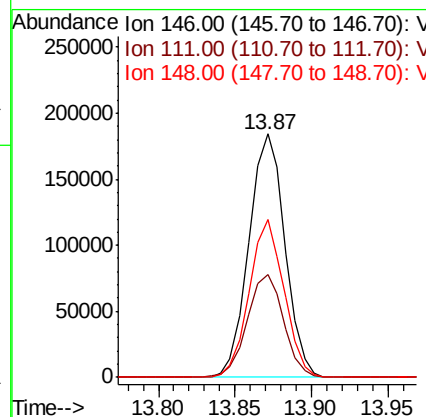
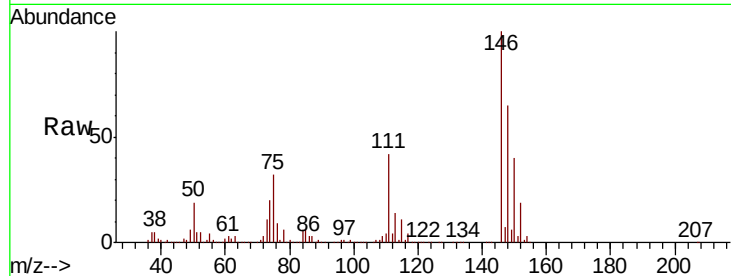




#65
 1,2-Dichlorobenzene
 Concen: 25.708 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017493.D
 Acq: 25 Nov 2020 10:26

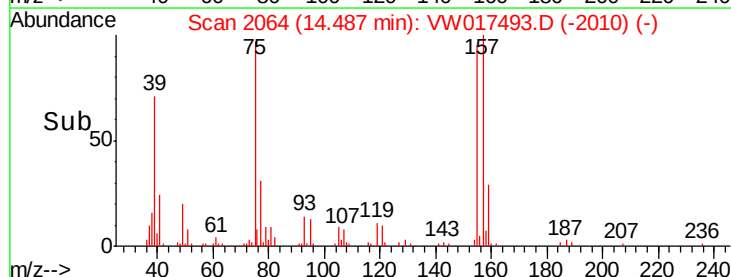
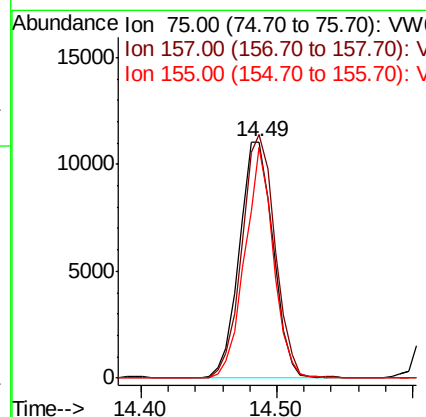
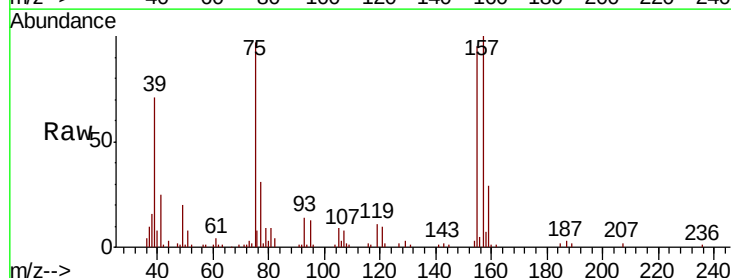
Instrument :
 MSVOA_W
 ClientSampleId :

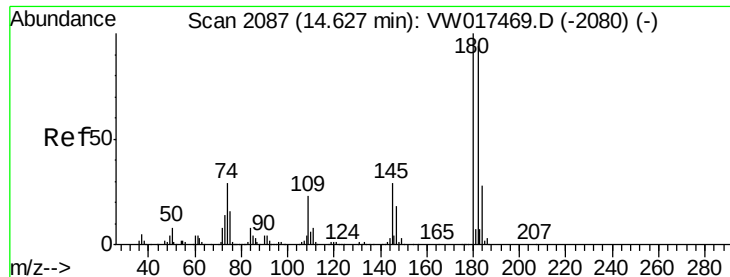
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	31.7	47.5
148	64.6	49.3	73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.412 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW017493.D
 Acq: 25 Nov 2020 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
157	103.2	99.9	149.9
155	97.7	71.4	107.0

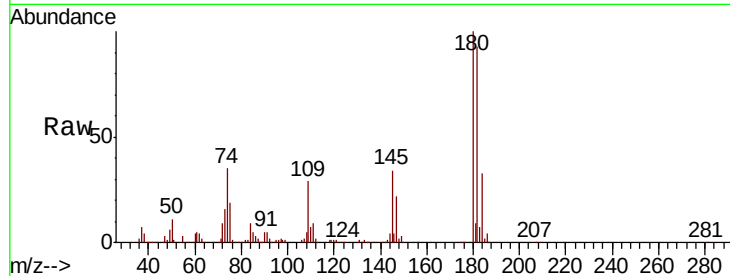




#67
 1,3,5-Trichlorobenzene
 Concen: 24.397 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017493.D
 Acq: 25 Nov 2020 10:26

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	180	Resp	235404
Ion Ratio	100	Lower	Upper
180	100		
182	94.1	77.0	115.6
184	29.8	24.2	36.4
145	30.4	23.5	35.3



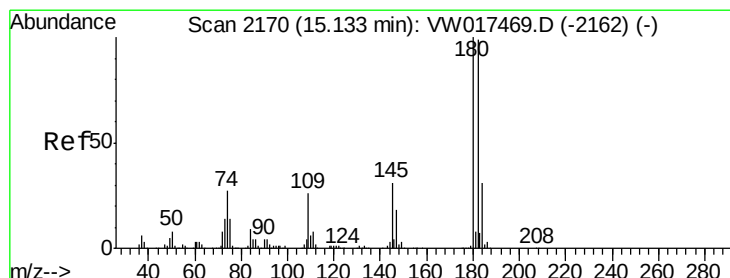
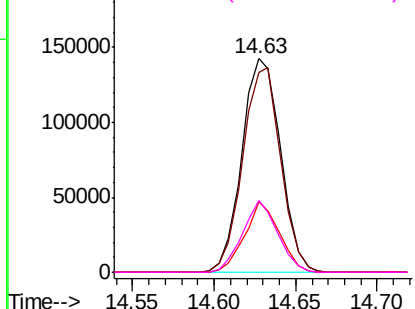
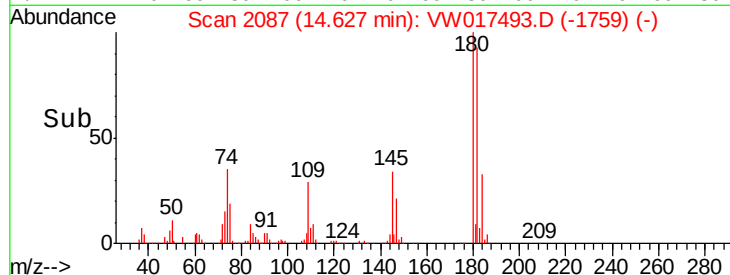
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

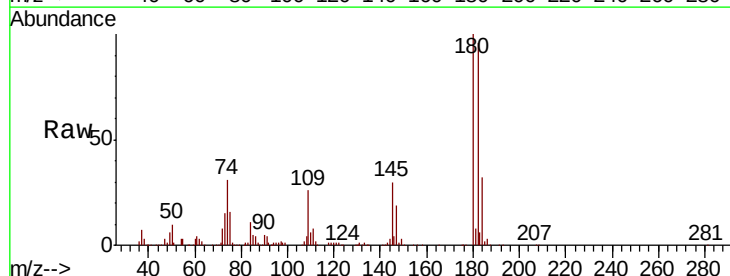
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.875 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017493.D
 Acq: 25 Nov 2020 10:26

Tgt Ion	180	Resp	194037
Ion Ratio	100	Lower	Upper
180	100		
182	92.5	71.3	106.9
145	30.7	24.0	36.0

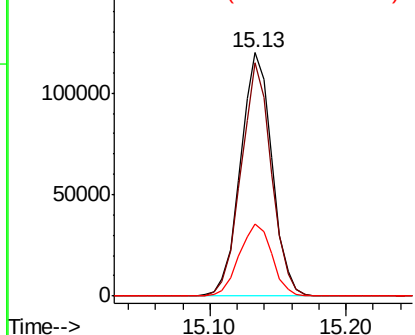
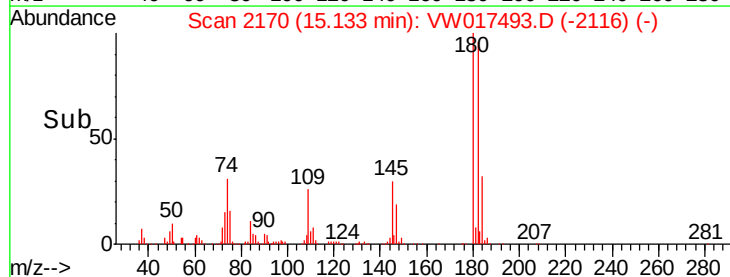


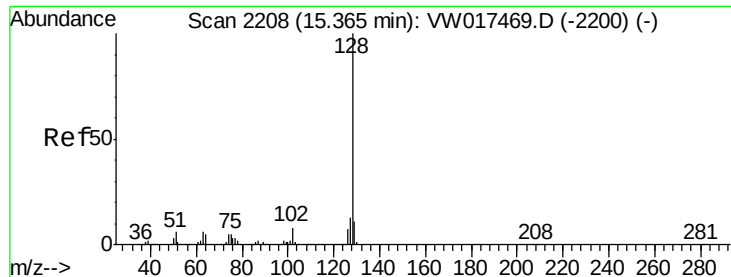
Abundance

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





#69

Naphthalene

Concen: 24.774 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW017493.D

Acq: 25 Nov 2020 10:26

Instrument :

MSVOA_W

ClientSampled :

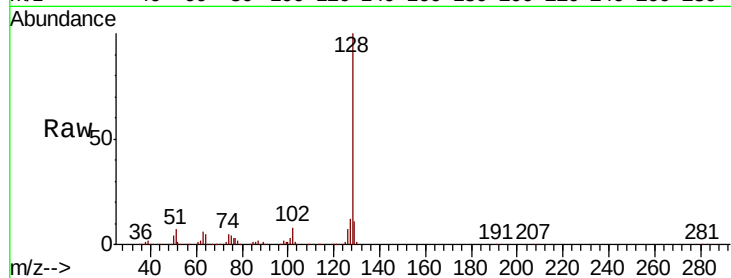
Tot Ion:128 Resp: 298395

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

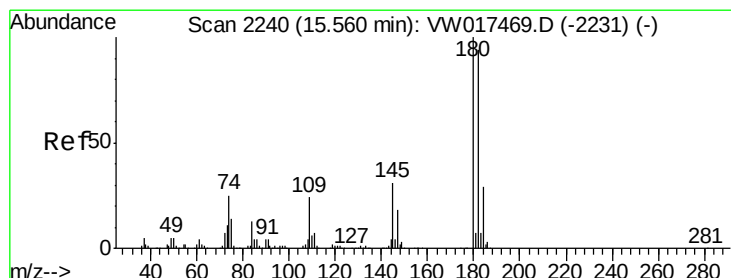
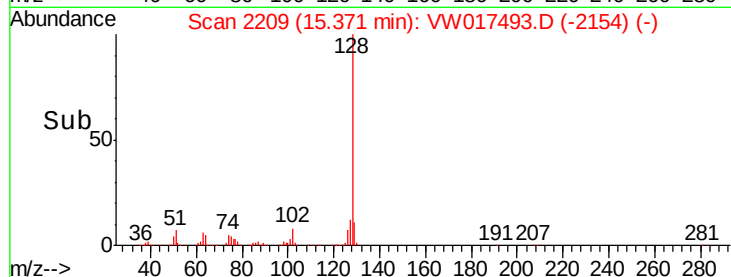
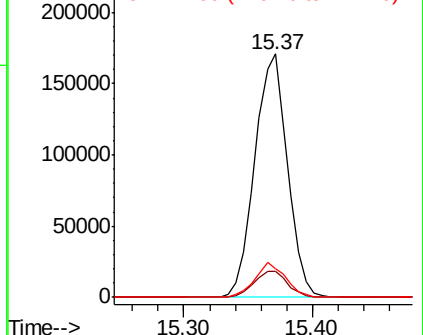
127 13.4 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 24.510 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW017493.D

Acq: 25 Nov 2020 10:26

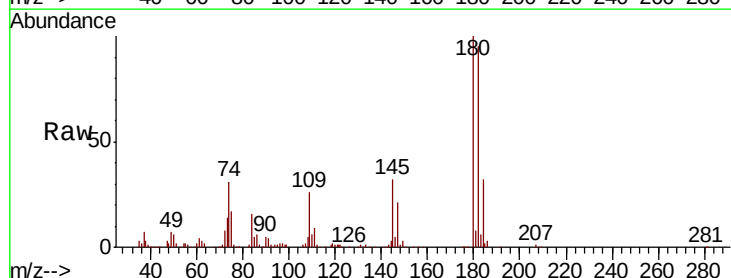
Tgt Ion:180 Resp: 159473

Ion Ratio Lower Upper

180 100

182 96.6 74.7 112.1

145 33.3 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

