

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112420\
 Data File : VW017491.D
 Acq On : 24 Nov 2020 22:36
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 25 01:50:01 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	8.84	114	523633	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	465729	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	232397	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	161943	23.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.04%
7) Chloroethane-d5	2.89	69	134331	23.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.44%
10) 1,1-Dichloroethene-d2	4.03	63	368585	24.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.12%
20) 2-Butanone-d5	7.08	46	72392	49.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.68%
24) Chloroform-d	7.65	84	372554	25.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.16%
26) 1,2-Dichloroethane-d4	8.30	65	193418	26.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.00%
29) Benzene-d6	8.27	84	702231	24.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.08%
33) 1,2-Dichloropropane-d6	9.27	67	199157	25.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.52%
37) Toluene-d8	10.32	98	652507	25.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.08%
38) trans-1,3-Dichloropropene-	10.58	79	90316	25.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.00%
39) 2-Hexanone-d5	10.93	63	53109	54.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.30%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	137899	24.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	217313	25.26	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	87045	17.494	ug/L 97
3) Chloromethane	2.21	50	110324	21.536	ug/L 97
5) Vinyl chloride	2.36	62	152519	24.008	ug/L 100
6) Bromomethane	2.78	94	110237	24.097	ug/L 99
8) Chloroethane	2.92	64	103468	24.241	ug/L 99
9) Trichlorofluoromethane	3.27	101	153553	21.108	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	169213	22.725	ug/L # 69
12) 1,1-Dichloroethene	4.04	96	162152	22.333	ug/L 80
13) Acetone	4.12	43	49225	35.216	ug/L 85
14) Carbon disulfide	4.39	76	474751	22.860	ug/L 99
15) Methyl Acetate	4.67	43	61128	25.124	ug/L 95
16) Methylene chloride	4.92	84	171921	21.868	ug/L 95
17) Methyl tert-butyl Ether	5.42	73	215449	27.588	ug/L 98
18) trans-1,2-Dichloroethene	5.43	96	175426	23.504	ug/L 98
19) 1,1-Dichloroethane	6.22	63	320611	25.442	ug/L 98
21) 2-Butanone	7.17	43	76905	45.976	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	188645	24.224	ug/L 93

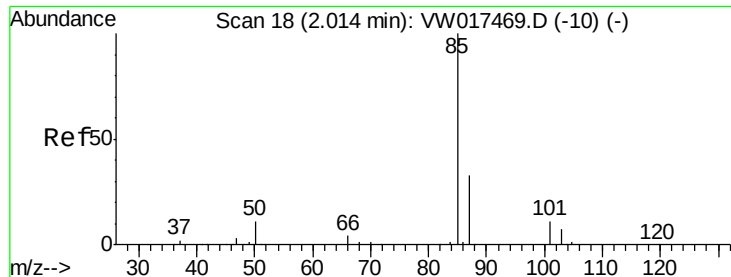
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112420\
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 Quant Title : VOC Analysis
 QLast Update : Wed Nov 25 01:45:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	81771	23.116	ug/L	91
25) Chloroform	7.68	83	338180	25.420	ug/L	100
27) 1,2-Dichloroethane	8.40	62	216068	26.968	ug/L	96
30) Cyclohexane	7.96	56	276856	24.922	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	290171	26.325	ug/L	98
32) Carbon tetrachloride	8.07	117	272725	25.481	ug/L	99
34) Benzene	8.32	78	711143	25.405	ug/L	100
35) Trichloroethene	9.09	95	191665	24.699	ug/L	96
36) Methylcyclohexane	9.34	83	312930	24.385	ug/L	97
40) 1,2-Dichloropropane	9.37	63	169231	25.739	ug/L	99
41) Bromodichloromethane	9.65	83	233903	25.748	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	269517	26.465	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	167071	55.195	ug/L	97
44) Toluene	10.39	91	778377	25.841	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	232077	26.593	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	123740	25.118	ug/L	99
47) Tetrachloroethene	10.87	164	155034	23.448	ug/L	98
49) 2-Hexanone	10.97	43	112780	52.758	ug/L #	88
50) Dibromochloromethane	11.13	129	154677	25.135	ug/L	93
51) 1,2-Dibromoethane	11.24	107	117152	24.813	ug/L #	99
52) Chlorobenzene	11.66	112	491278	24.907	ug/L	93
53) Ethylbenzene	11.73	91	893946	26.175	ug/L	99
54) m,p-Xylene	11.84	106	332176	25.492	ug/L	90
55) o-xylene	12.16	106	312979	25.788	ug/L	92
56) Styrene	12.18	104	532947	26.104	ug/L	99
57) Isopropylbenzene	12.46	105	867553	26.025	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	132276	24.946	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	98125	25.072	ug/L	99
62) Bromoform	12.35	173	81887	24.856	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	374873	25.016	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	368608	24.830	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	334351	25.617	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	20945	24.924	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	248487	23.148	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	207870	23.953	ug/L	95
69) Naphthalene	15.36	128	342832	25.585	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	170798	23.595	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 17.494 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

Instrument :

MSVOA_W

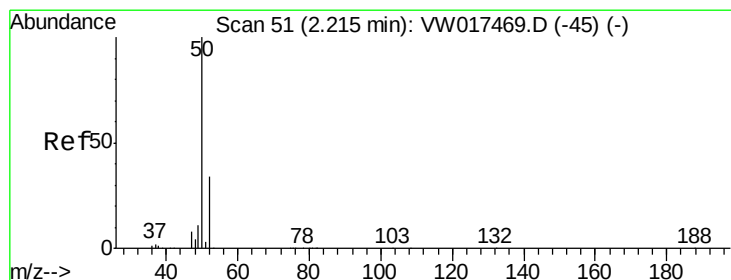
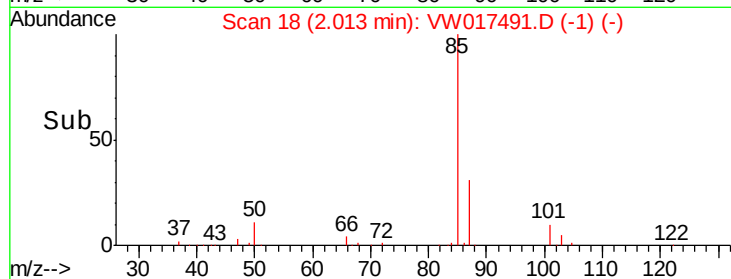
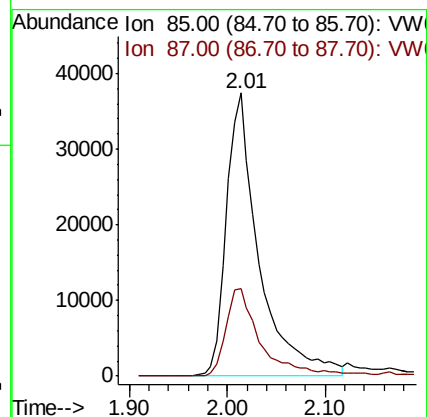
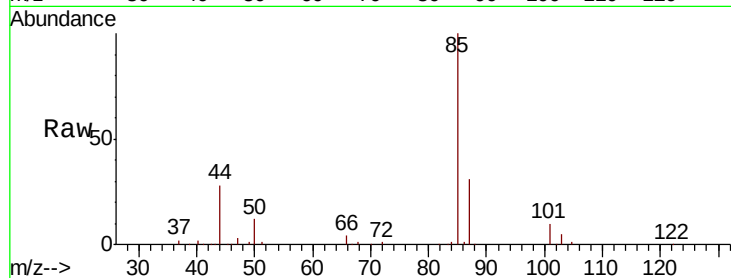
ClientSampleId :

Tot Ion: 85 Resp: 87045

Ion Ratio Lower Upper

85 100

87 31.6 23.2 43.0



#3

Chloromethane

Concen: 21.536 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW017491.D

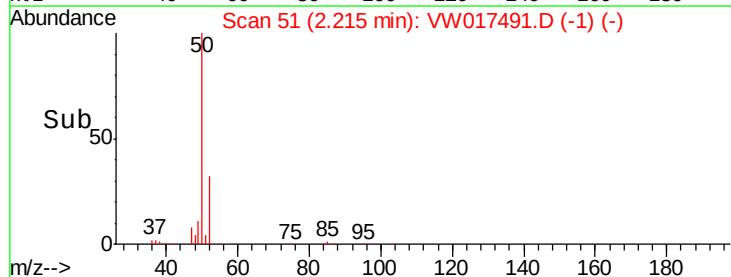
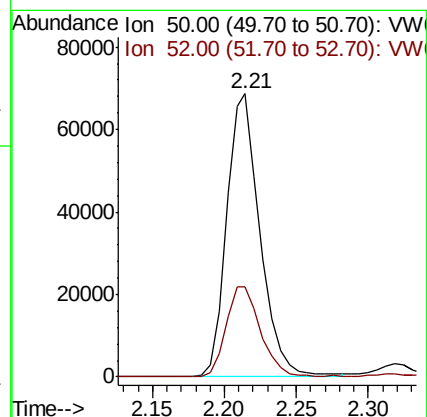
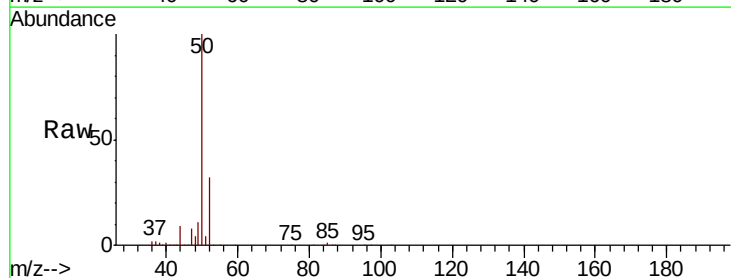
Acq: 24 Nov 2020 22:36

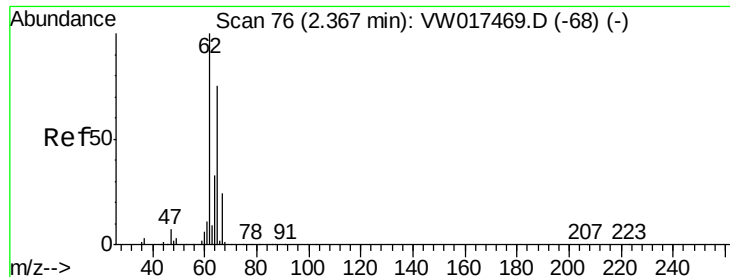
Tgt Ion: 50 Resp: 110324

Ion Ratio Lower Upper

50 100

52 32.0 23.4 43.6





#5

Vinyl chloride

Concen: 24.008 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

Instrument :

MSVOA_W

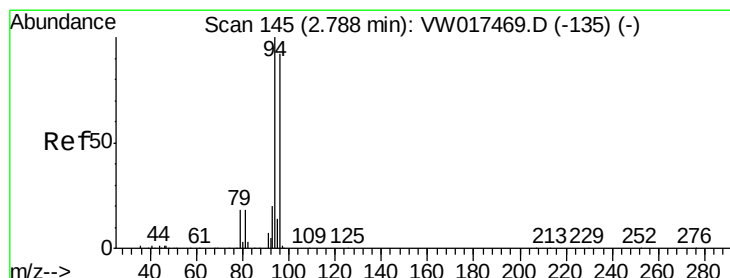
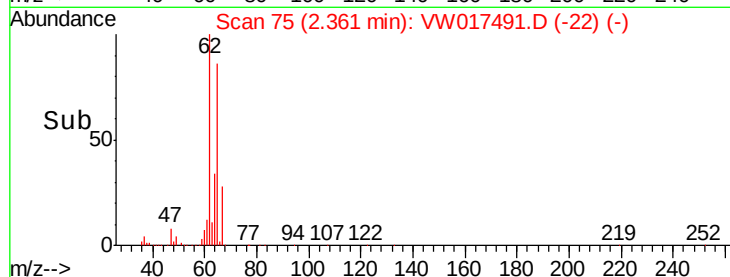
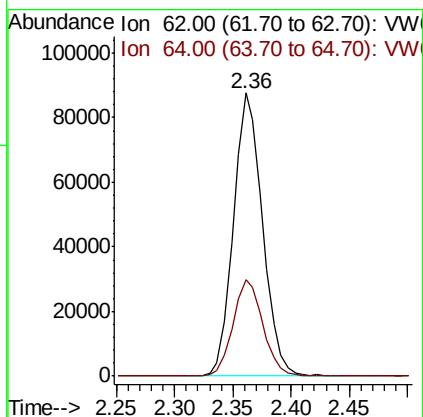
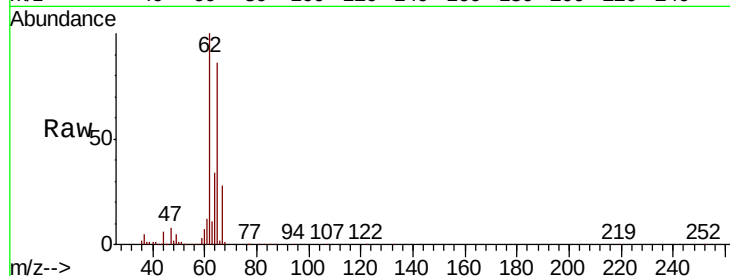
ClientSampleId :

Tot Ion: 62 Resp: 152519

Ion Ratio Lower Upper

62 100

64 34.1 23.9 44.5



#6

Bromomethane

Concen: 24.097 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW017491.D

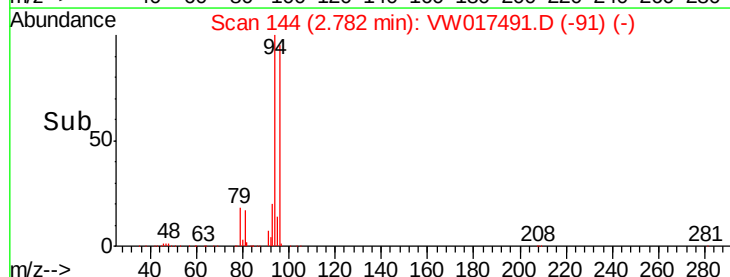
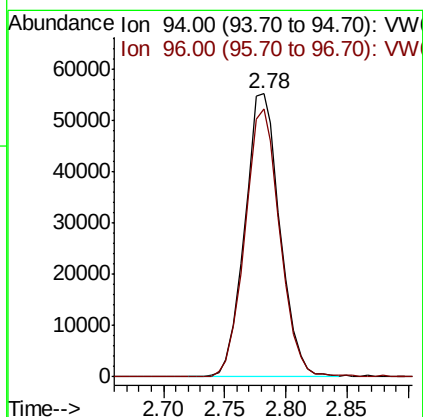
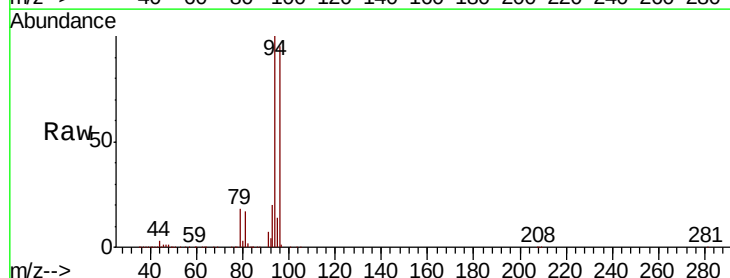
Acq: 24 Nov 2020 22:36

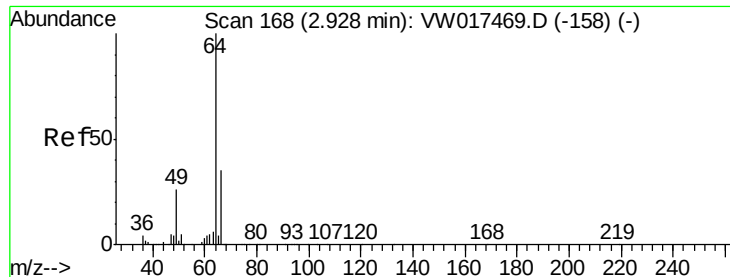
Tgt Ion: 94 Resp: 110237

Ion Ratio Lower Upper

94 100

96 94.3 9.4 178.0





#8

Chloroethane

Concen: 24.241 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

Instrument :

MSVOA_W

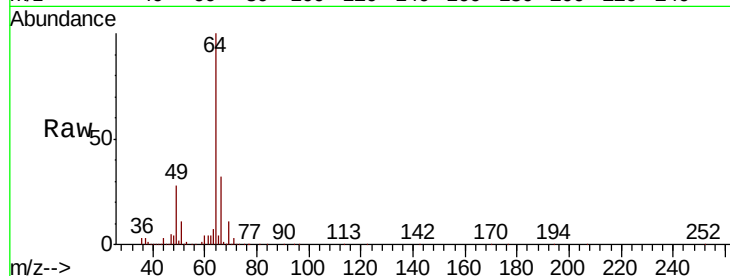
ClientSampleId :

Tot Ion: 64 Resp: 103468

Ion Ratio Lower Upper

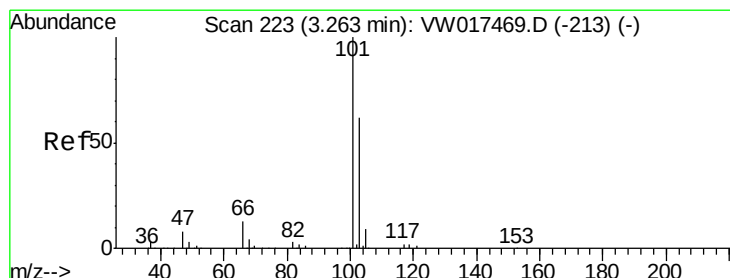
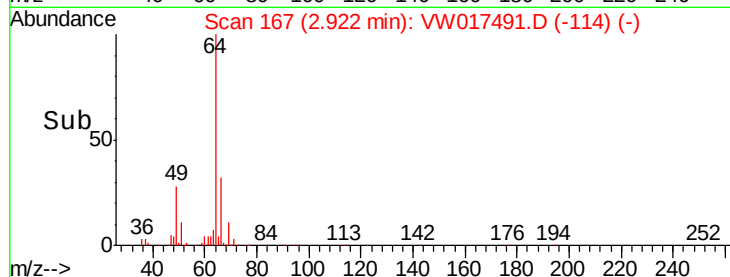
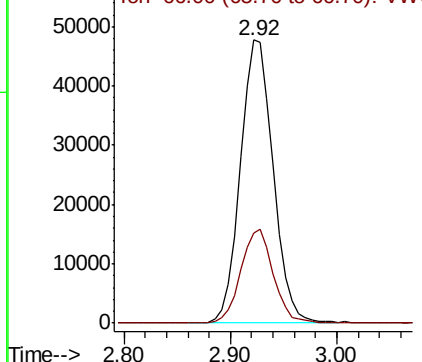
64 100

66 31.8 22.0 41.0



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 21.108 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW017491.D

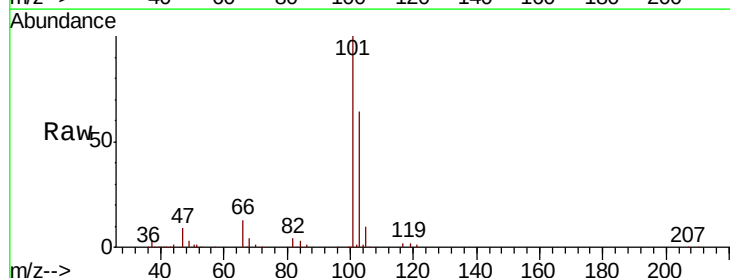
Acq: 24 Nov 2020 22:36

Tgt Ion: 101 Resp: 153553

Ion Ratio Lower Upper

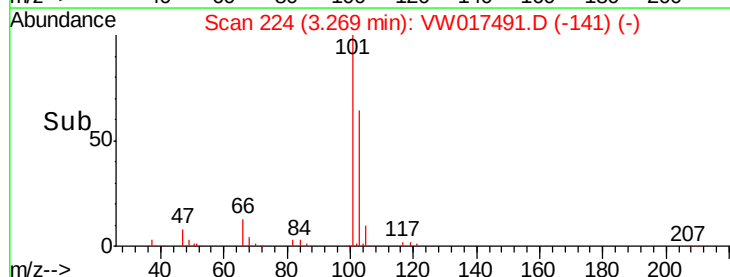
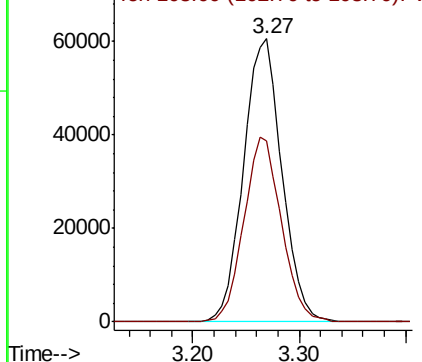
101 100

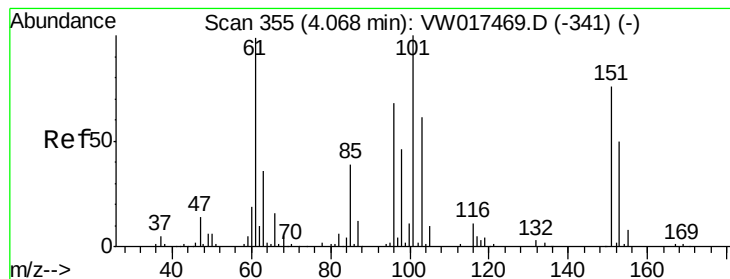
103 63.7 45.0 83.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 22.725 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

Instrument :

MSVOA_W

ClientSampleId :

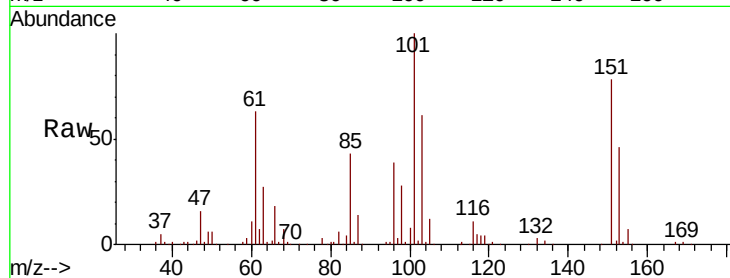
Tot Ion:101 Resp: 169213

Ion Ratio Lower Upper

101 100

85 43.7 34.2 51.4

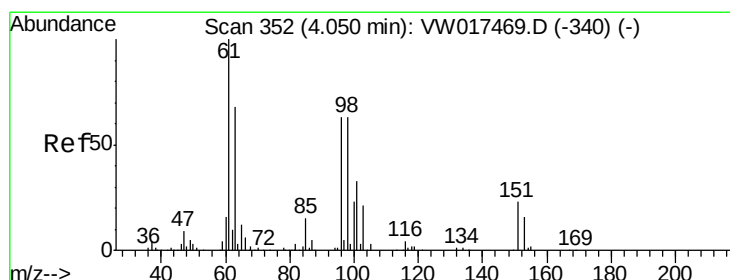
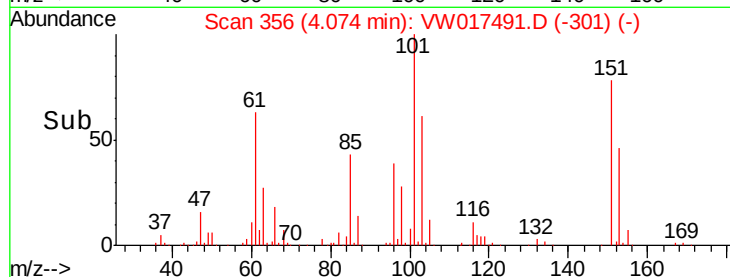
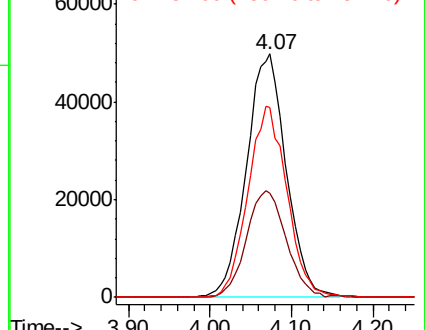
151 76.9 30.4 45.6#



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: 22.333 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

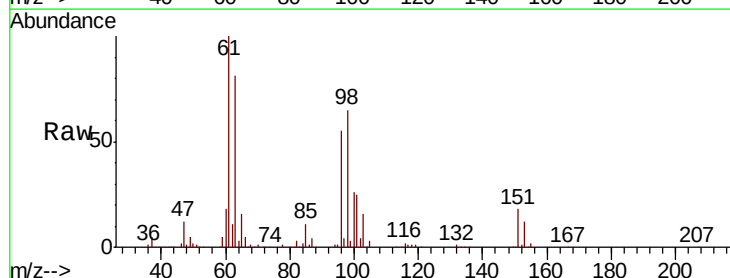
Tgt Ion: 96 Resp: 162152

Ion Ratio Lower Upper

96 100

61 181.0 112.5 208.9

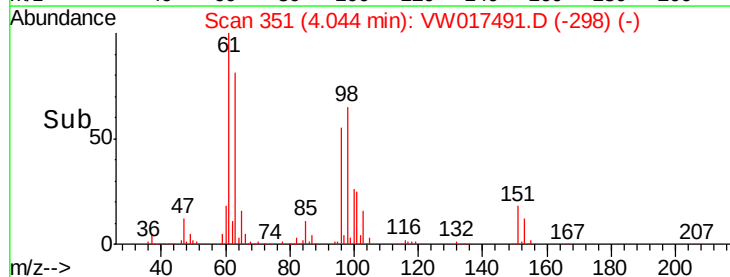
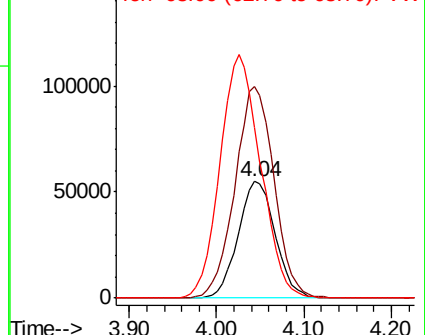
63 146.7 83.1 154.3

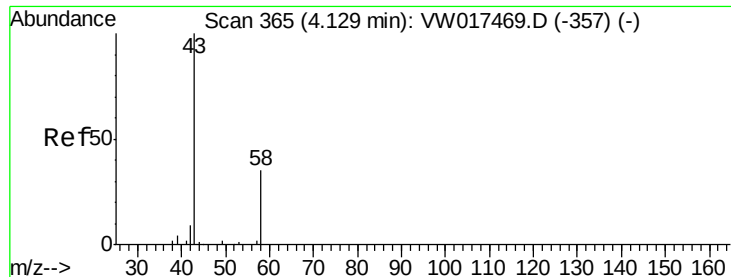


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 35.216 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

Instrument :

MSVOA_W

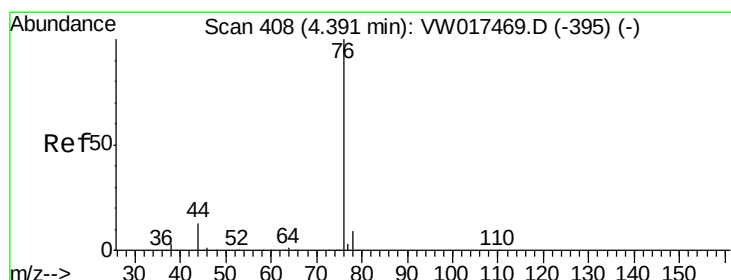
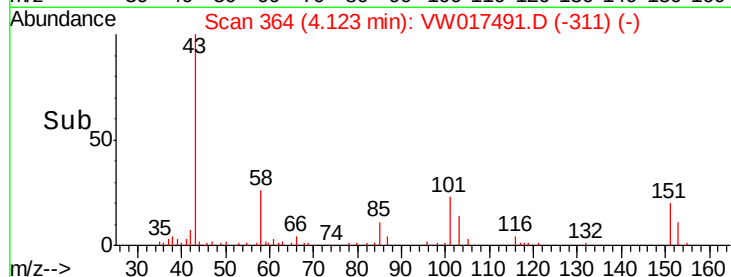
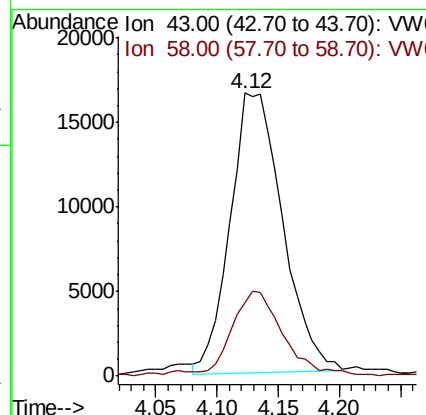
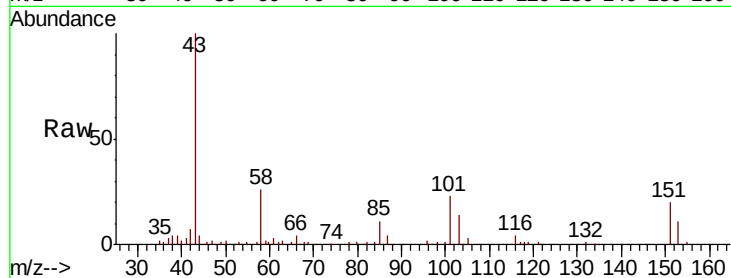
ClientSampleId :

Tot Ion: 43 Resp: 49225

Ion Ratio Lower Upper

43 100

58 25.6 0.0 68.4



#14

Carbon disulfide

Concen: 22.860 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017491.D

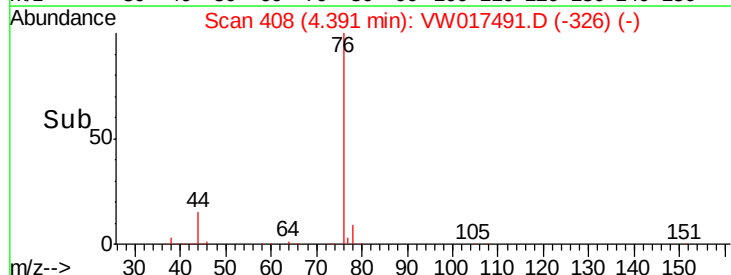
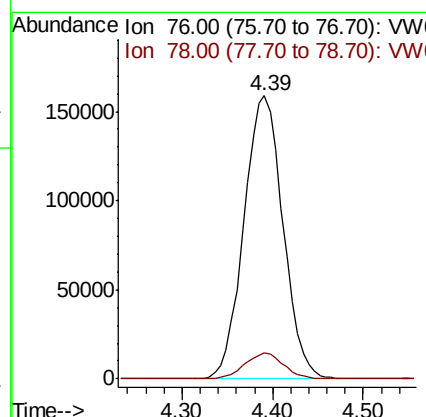
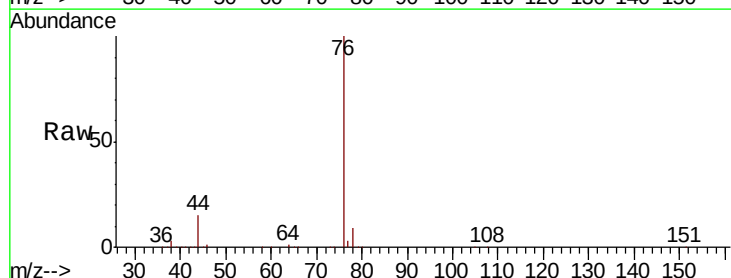
Acq: 24 Nov 2020 22:36

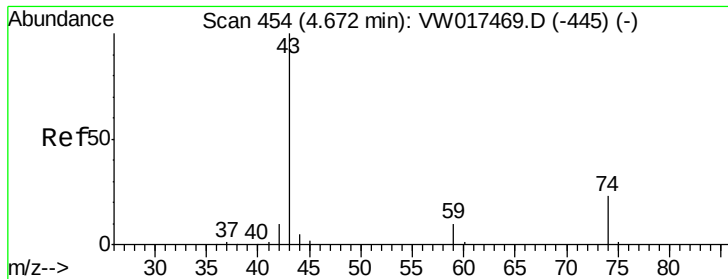
Tgt Ion: 76 Resp: 474751

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

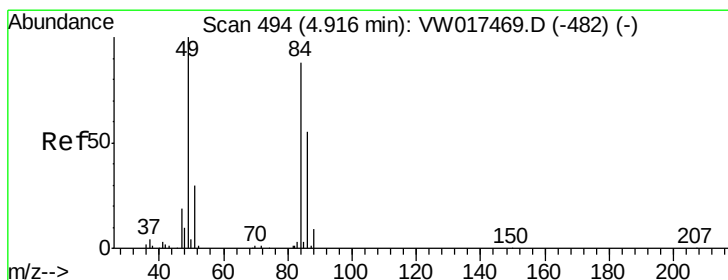
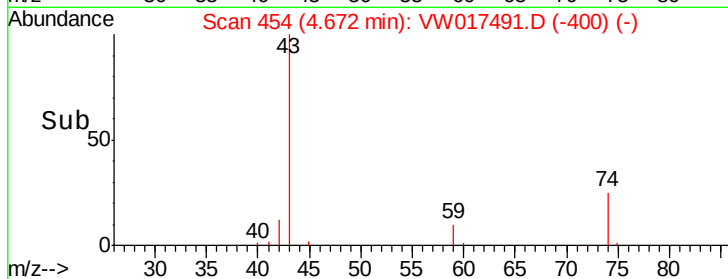
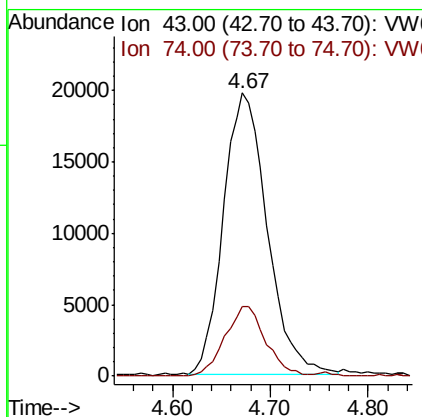
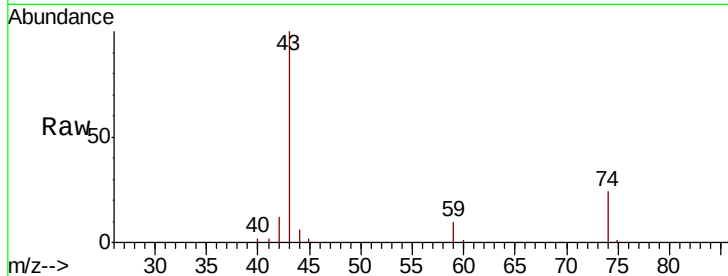




#15
Methvl Acetate
Concen: 25.124 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW017491.D
Acq: 24 Nov 2020 22:36

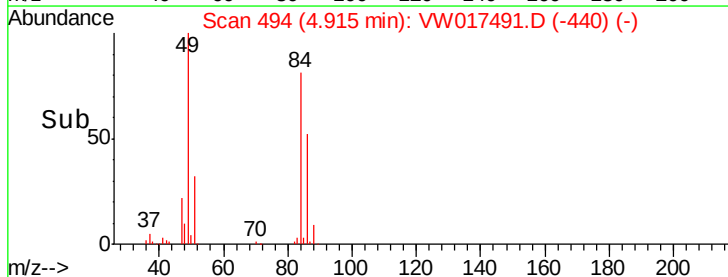
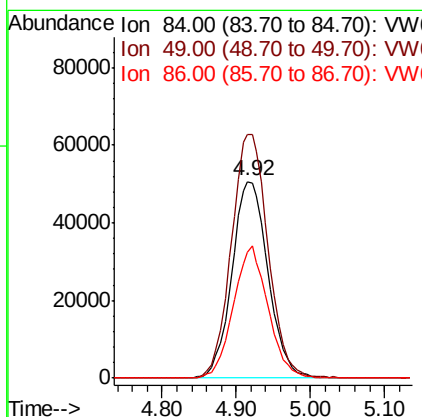
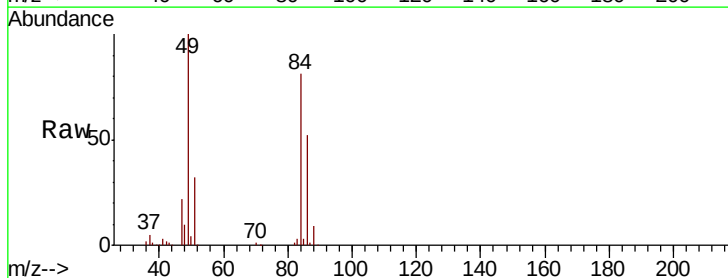
Instrument :
MSVOA_W
ClientSampleId :

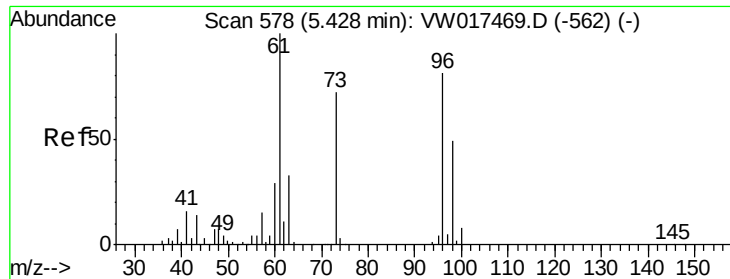
Tot Ion: 43 Resp: 61128
Ion Ratio Lower Upper
43 100
74 23.2 20.7 31.1



#16
Methylene chloride
Concen: 21.868 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW017491.D
Acq: 24 Nov 2020 22:36

Tgt Ion: 84 Resp: 171921
Ion Ratio Lower Upper
84 100
49 123.9 81.2 150.8
86 64.0 44.5 82.7

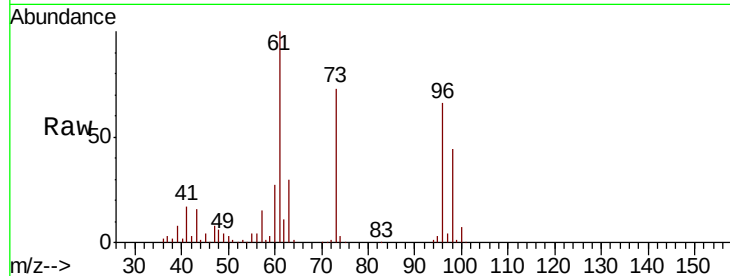




#17
Methyl tert-butyl Ether
Concen: 27.588 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW017491.D
Acq: 24 Nov 2020 22:36

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
73	100		
43	22.1	16.2	24.4
57	21.6	17.2	25.8

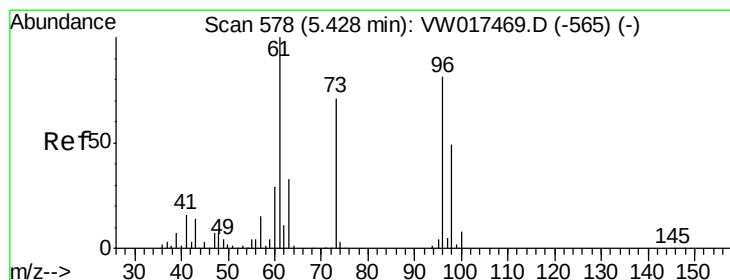
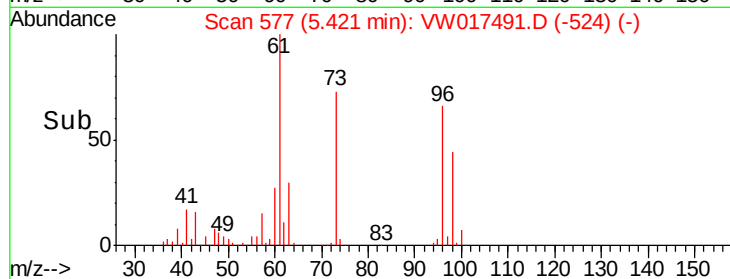
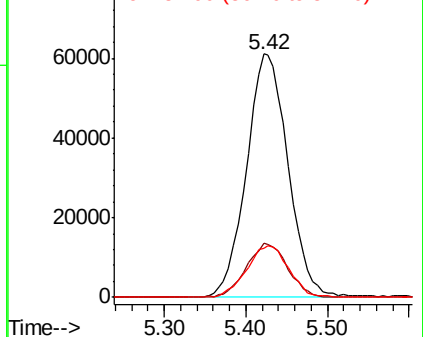


Abundance

Ion 73.00 (72.70 to 73.70): VW

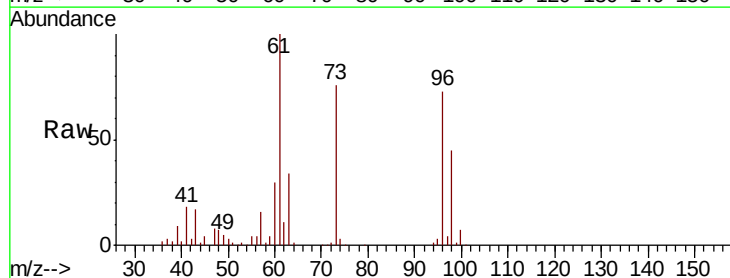
Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW



#18
trans-1,2-Dichloroethene
Concen: 23.504 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW017491.D
Acq: 24 Nov 2020 22:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.2	92.7	172.1
98	61.2	43.3	80.3

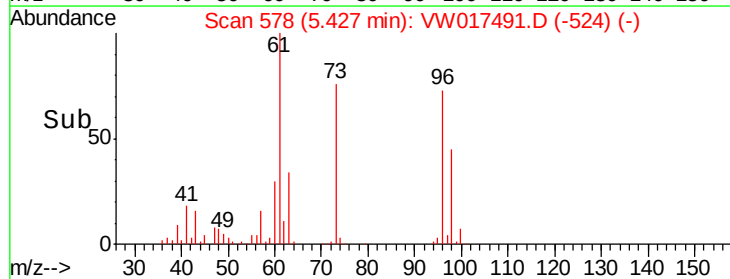
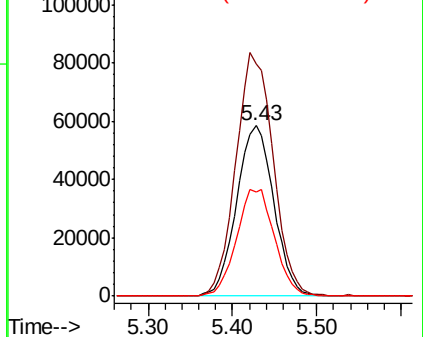


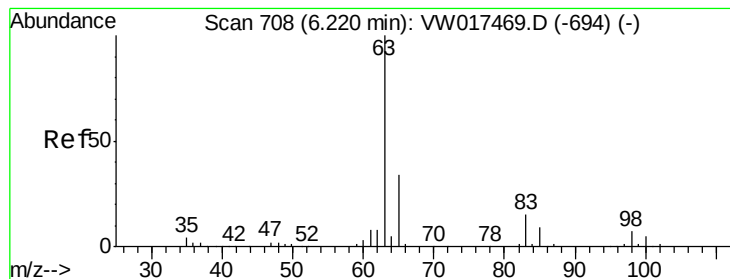
Abundance

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





#19

1,1-Dichloroethane

Concen: 25.442 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

Instrument :

MSVOA_W

ClientSampled :

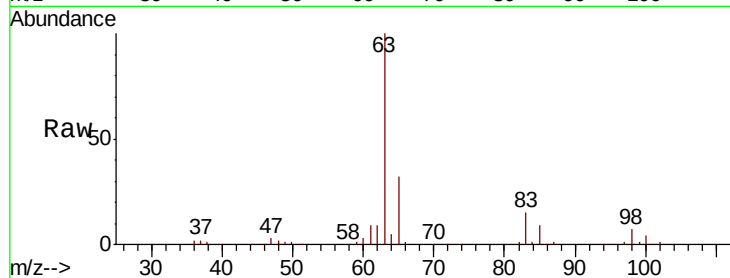
Tot Ion: 63 Resp: 320611

Ion Ratio Lower Upper

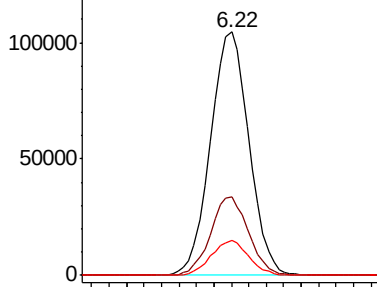
63 100

65 32.1 21.9 40.7

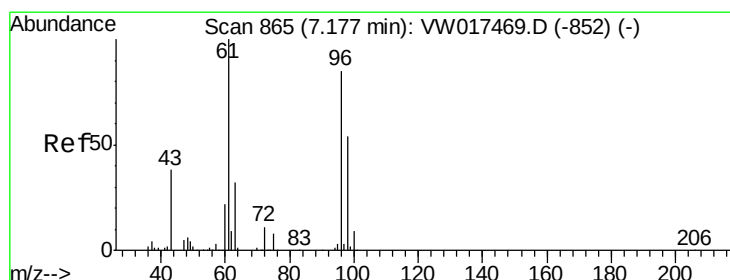
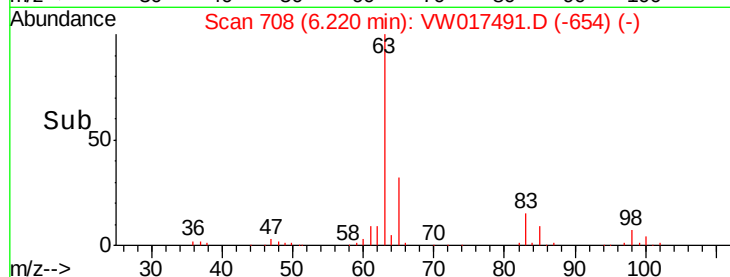
83 14.5 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



Time-->



#21

2-Butanone

Concen: 45.976 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW017491.D

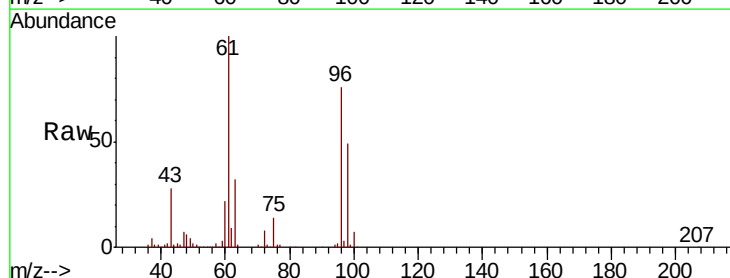
Acq: 24 Nov 2020 22:36

Tgt Ion: 43 Resp: 76905

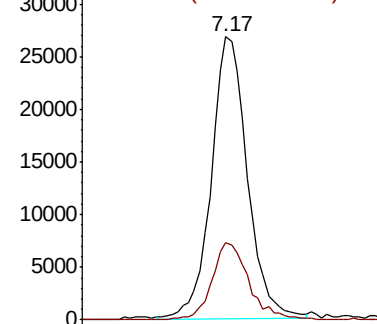
Ion Ratio Lower Upper

43 100

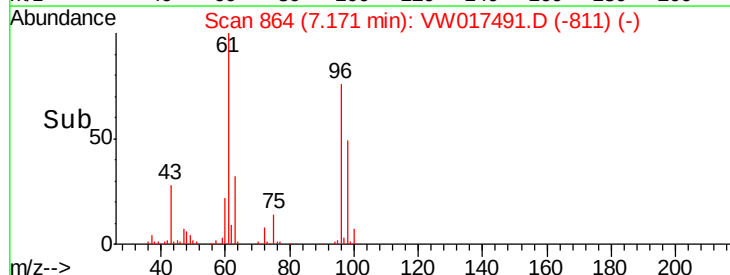
72 27.6 14.4 43.2

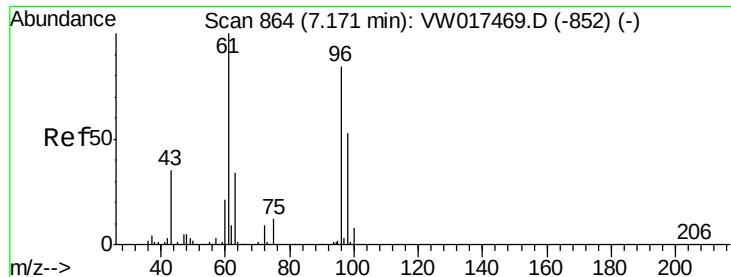


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



Time-->



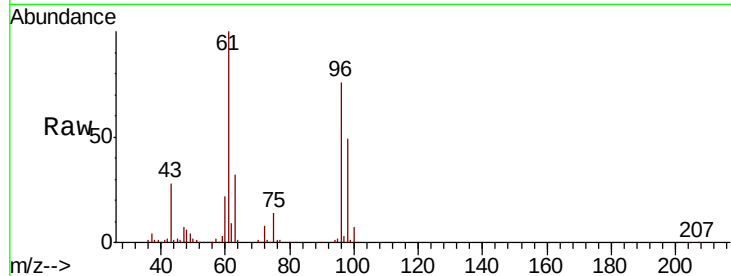


#22

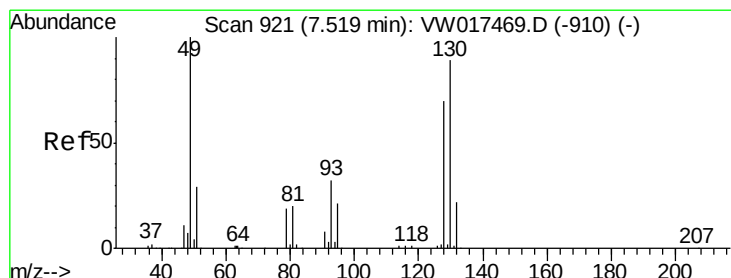
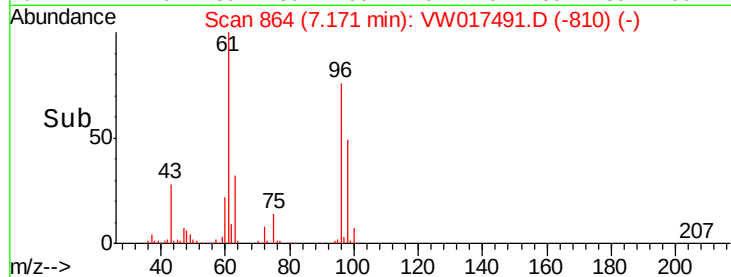
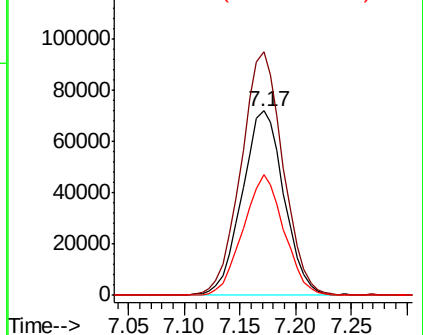
cis-1,2-Dichloroethene
Concen: 24.224 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017491.D
Acq: 24 Nov 2020 22:36

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 188645
Ion Ratio Lower Upper
96 100
61 131.9 84.6 157.2
98 65.2 44.7 82.9



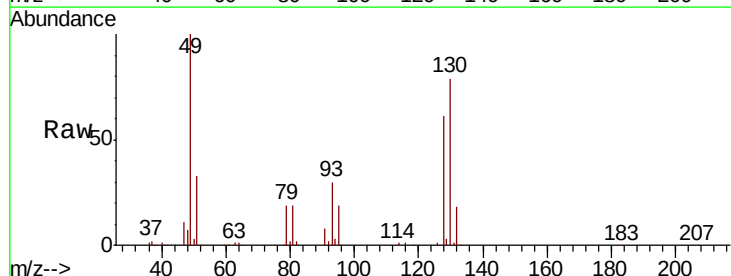
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



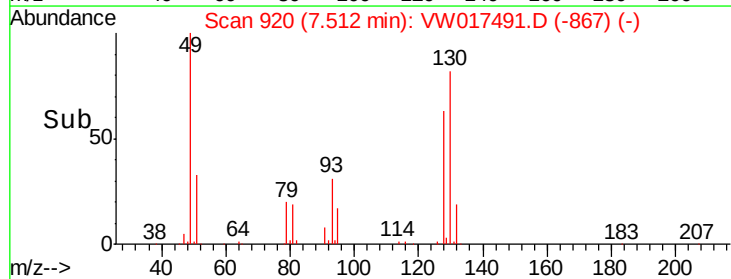
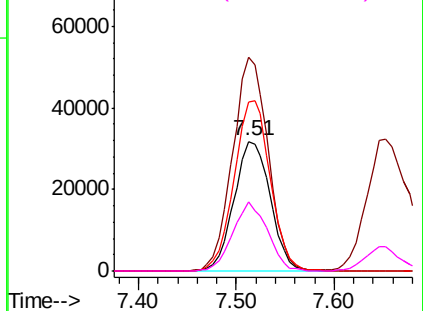
#23

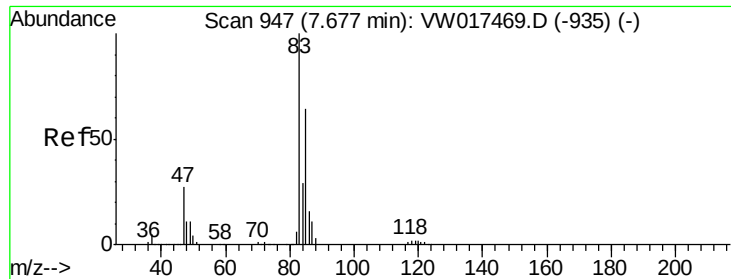
Bromochloromethane
Concen: 23.116 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW017491.D
Acq: 24 Nov 2020 22:36

Tgt Ion: 128 Resp: 81771
Ion Ratio Lower Upper
128 100
49 164.5 101.6 188.6
130 129.8 90.4 167.8
51 53.5 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: 25.420 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

Instrument :

MSVOA_W

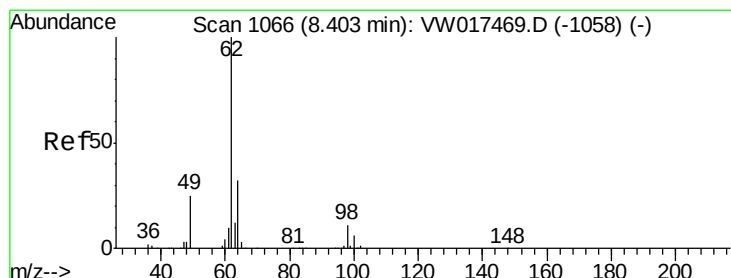
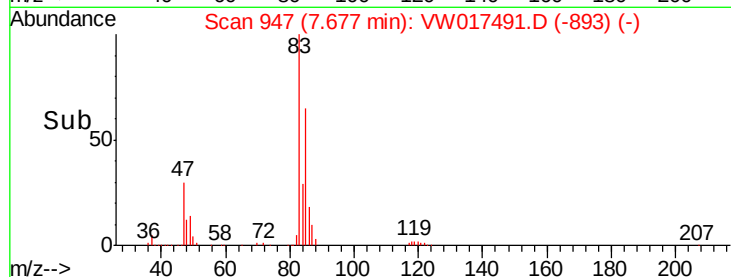
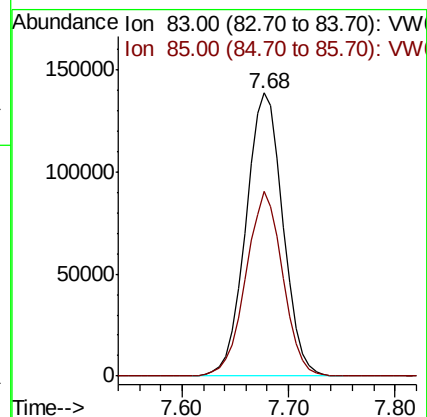
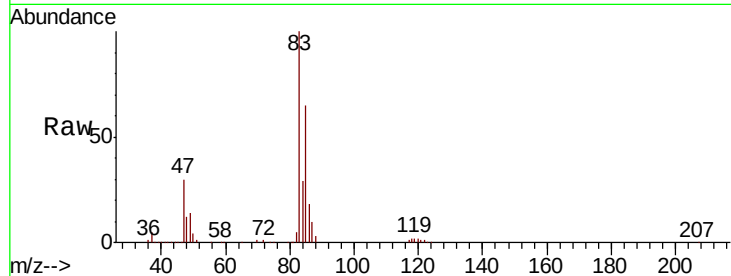
ClientSampled :

Tot Ion: 83 Resp: 338180

Ion Ratio Lower Upper

83 100

85 64.9 45.7 84.9



#27

1,2-Dichloroethane

Concen: 26.968 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW017491.D

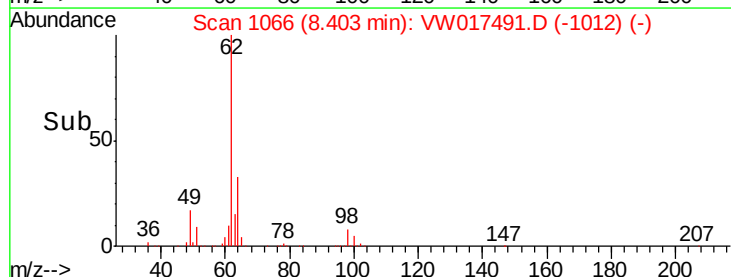
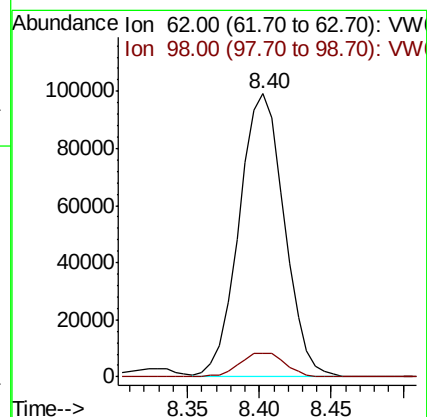
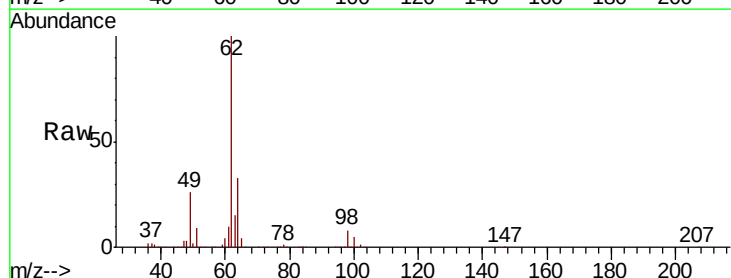
Acq: 24 Nov 2020 22:36

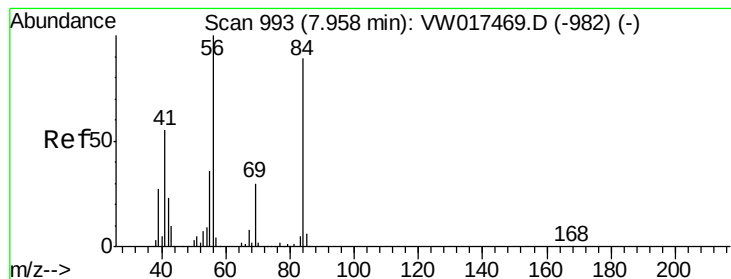
Tgt Ion: 62 Resp: 216068

Ion Ratio Lower Upper

62 100

98 8.4 8.0 12.0





#30

Cyclohexane

Concen: 24.922 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

Instrument :

MSVOA_W

ClientSampled :

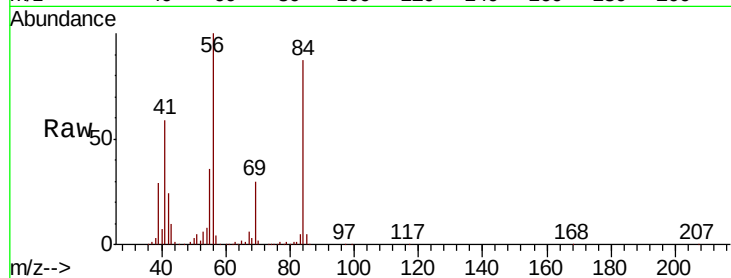
Tot Ion: 56 Resp: 276856

Ion Ratio Lower Upper

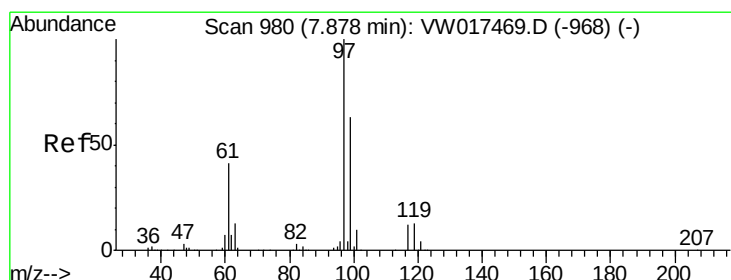
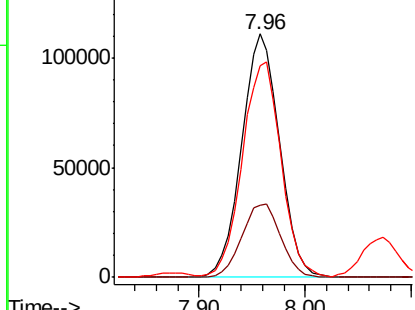
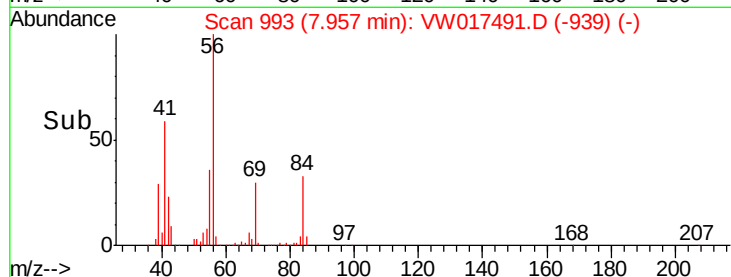
56 100

69 31.1 24.8 37.2

84 90.6 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: 26.325 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

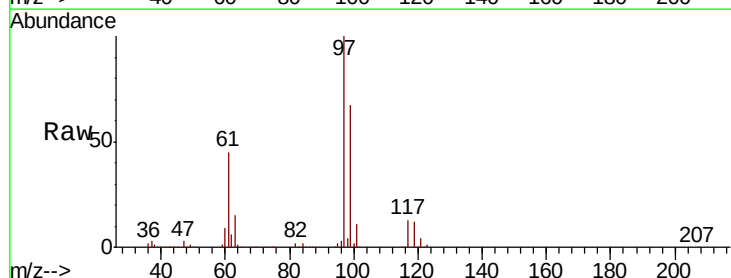
Tgt Ion: 97 Resp: 290171

Ion Ratio Lower Upper

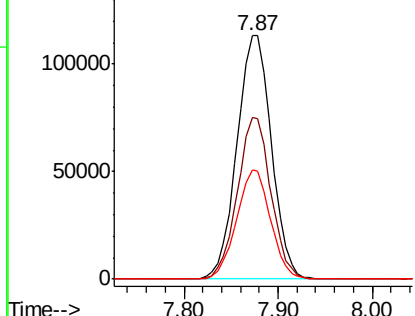
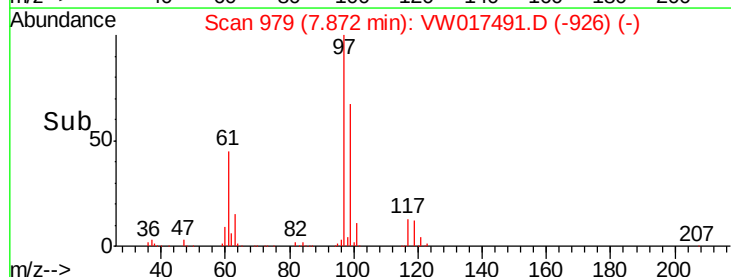
97 100

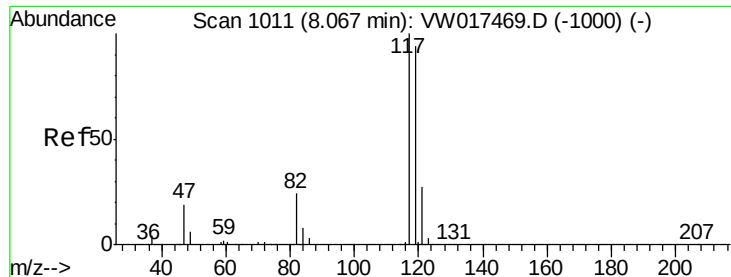
99 64.4 51.0 76.4

61 44.1 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: 25.481 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

Instrument :

MSVOA_W

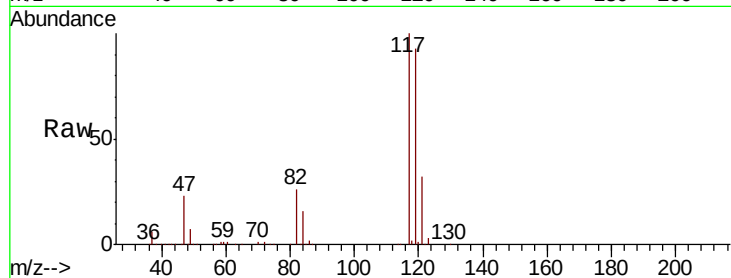
ClientSampled :

Tot Ion:117 Resp: 272725

Ion Ratio Lower Upper

117 100

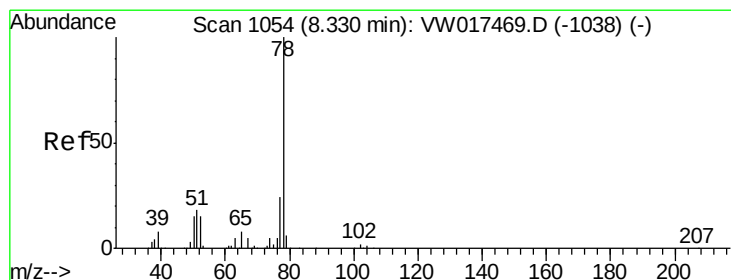
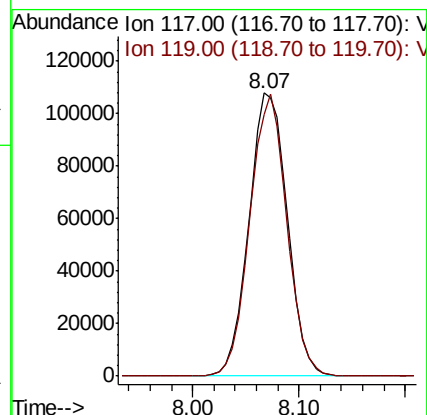
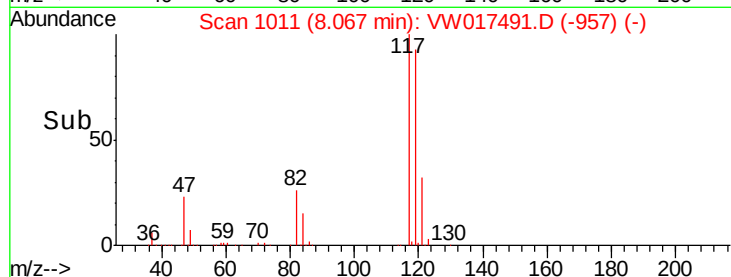
119 96.0 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07



#34

Benzene

Concen: 25.405 ug/L

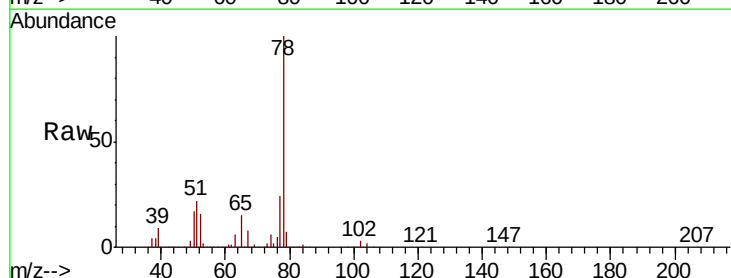
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW017491.D

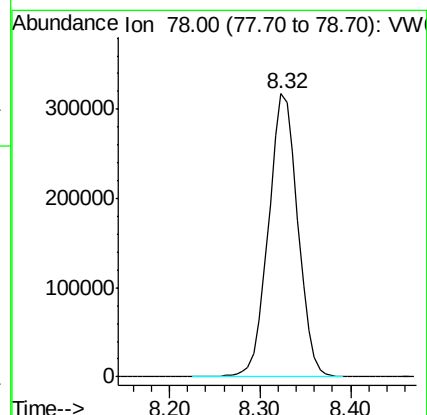
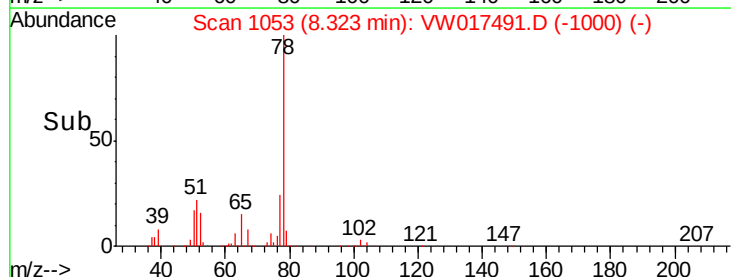
Acq: 24 Nov 2020 22:36

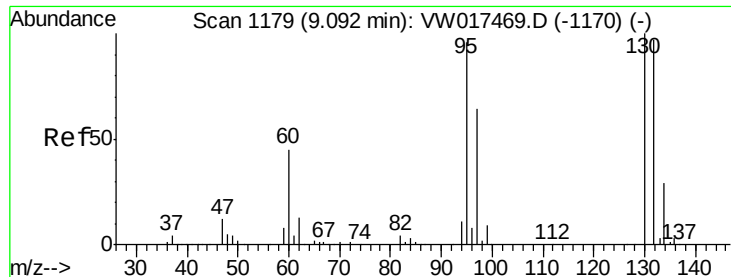
Tgt Ion: 78 Resp: 711143



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

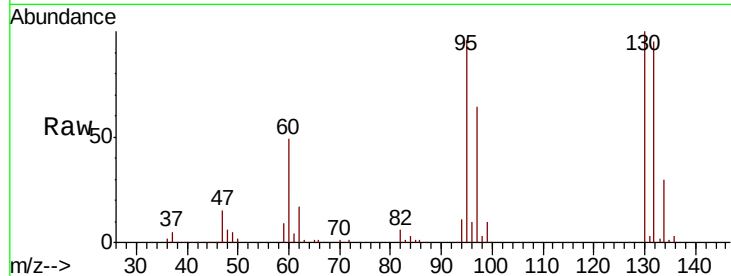




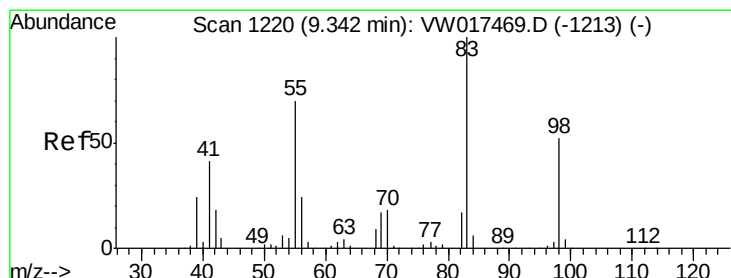
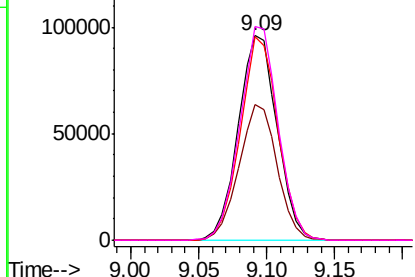
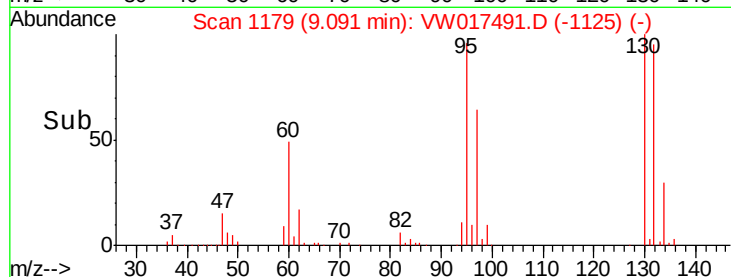
#35
 Trichloroethene
 Concen: 24.699 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW017491.D
 Acq: 24 Nov 2020 22:36

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 191665
 Ion Ratio Lower Upper
 95 100
 97 65.5 45.0 83.6
 132 96.8 71.0 131.8
 130 102.7 75.6 140.4

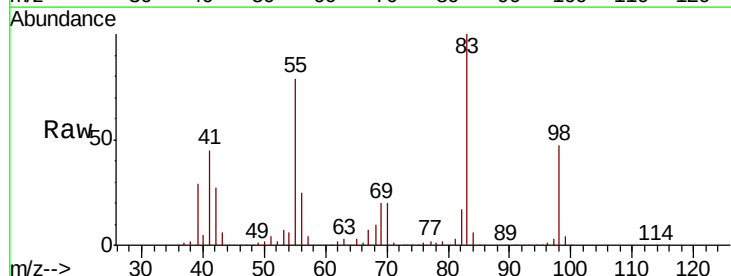


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

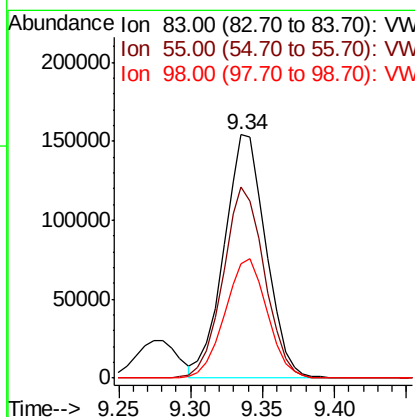
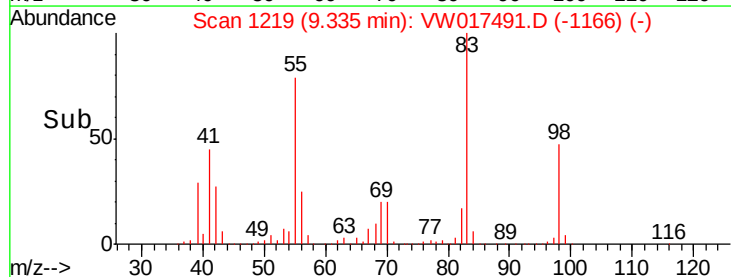


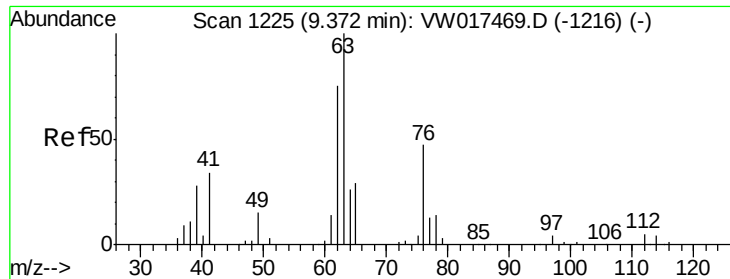
#36
 Methylcyclohexane
 Concen: 24.385 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VW017491.D
 Acq: 24 Nov 2020 22:36

Tgt Ion: 83 Resp: 312930
 Ion Ratio Lower Upper
 83 100
 55 77.4 59.4 89.0
 98 49.6 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: 25.739 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

Instrument :

MSVOA_W

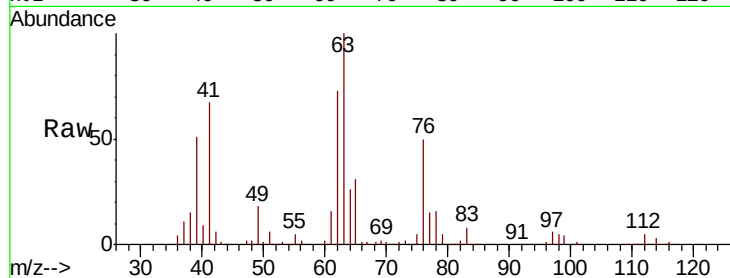
ClientSampled :

Tot Ion: 63 Resp: 169231

Ion Ratio Lower Upper

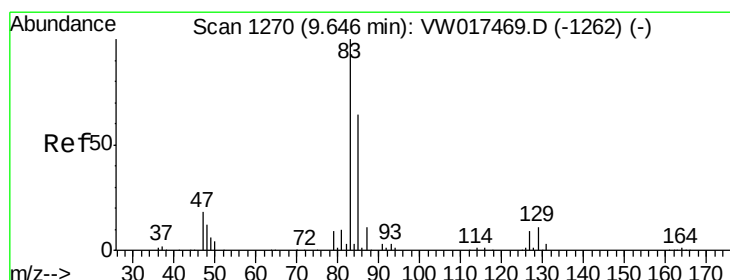
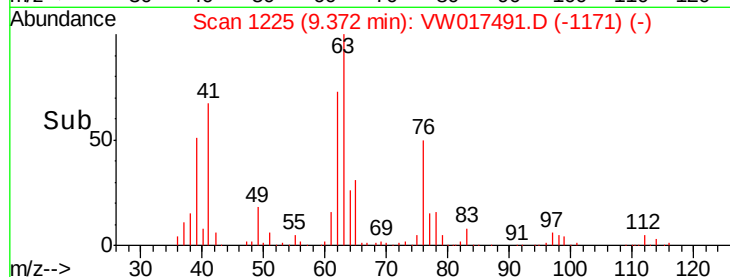
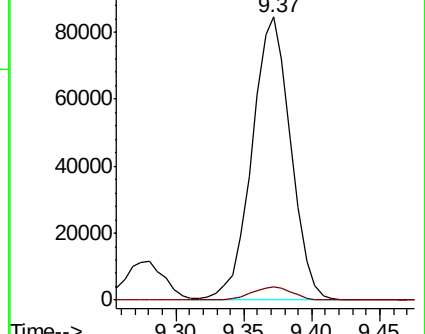
63 100

112 4.8 4.2 6.4



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 25.748 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

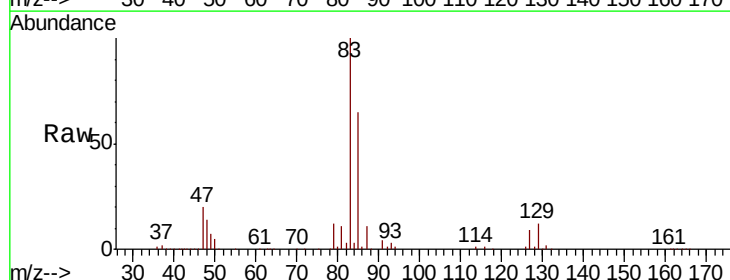
Tgt Ion: 83 Resp: 233903

Ion Ratio Lower Upper

83 100

85 65.2 46.8 86.8

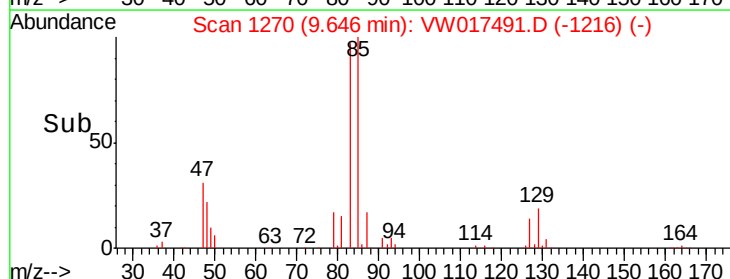
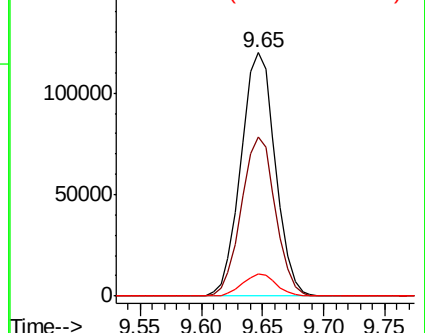
127 8.9 7.6 11.4

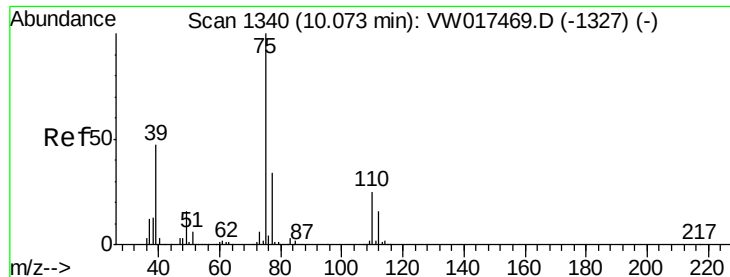


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 26.465 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

Instrument :

MSVOA_W

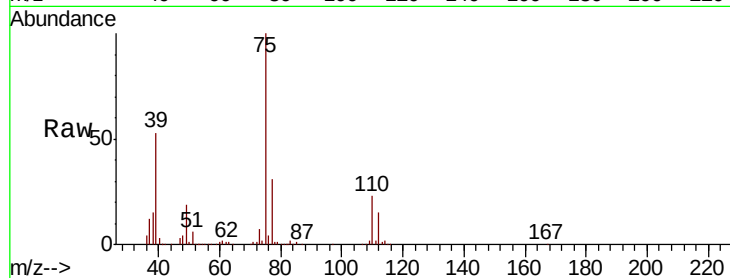
ClientSampleId :

Tot Ion: 75 Resp: 269517

Ion Ratio Lower Upper

75 100

77 30.7 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

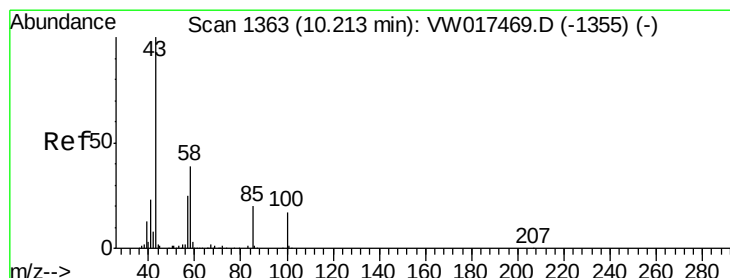
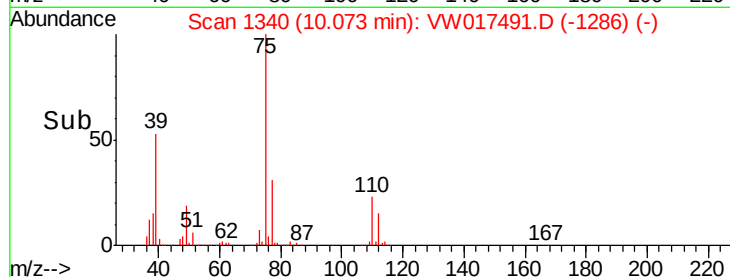
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 55.195 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

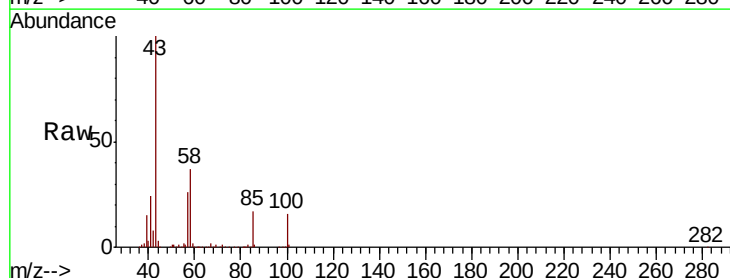
Tgt Ion: 43 Resp: 167071

Ion Ratio Lower Upper

43 100

58 37.8 31.6 47.4

100 15.8 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

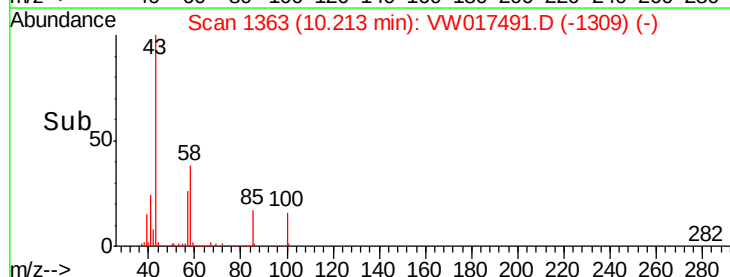
150000

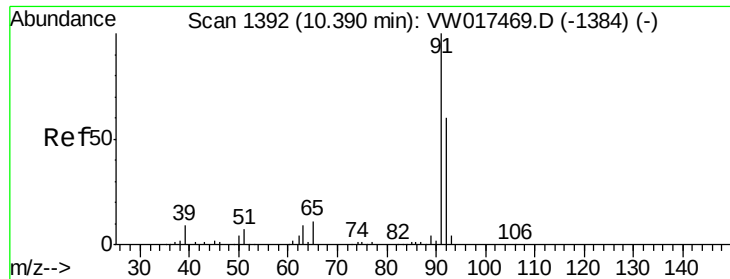
100000

50000

0

Time-->





#44

Toluene

Concen: 25.841 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

Instrument :

MSVOA_W

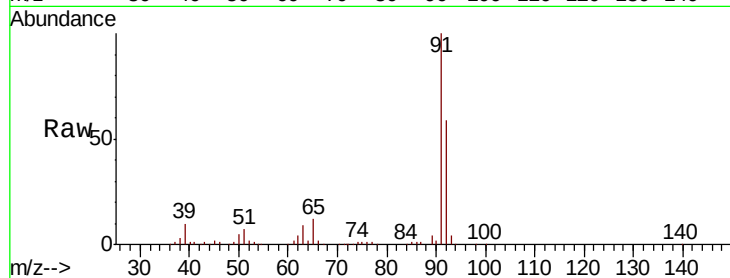
ClientSampled :

Tot Ion: 91 Resp: 778377

Ion Ratio Lower Upper

91 100

92 58.9 41.6 77.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

400000

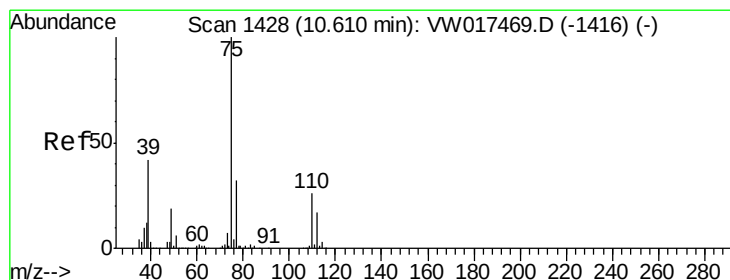
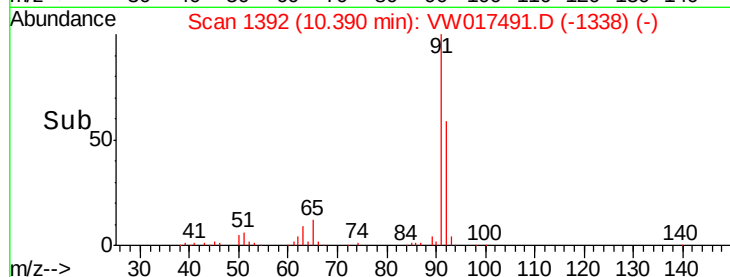
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 26.593 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017491.D

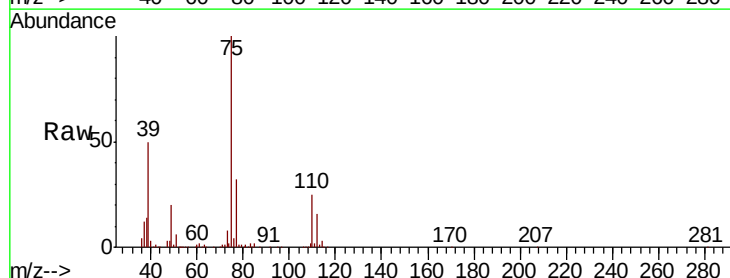
Acq: 24 Nov 2020 22:36

Tgt Ion: 75 Resp: 232077

Ion Ratio Lower Upper

75 100

77 31.9 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

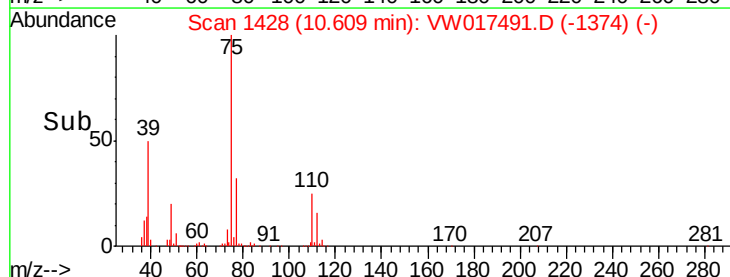
150000

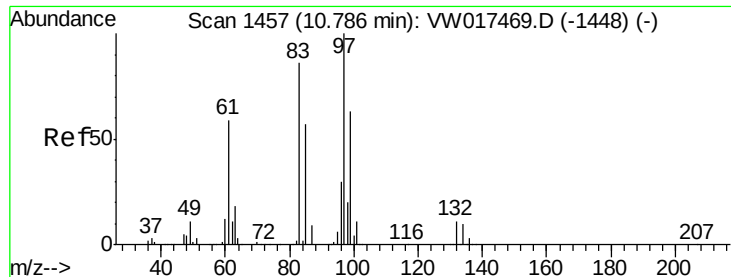
100000

50000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 25.118 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

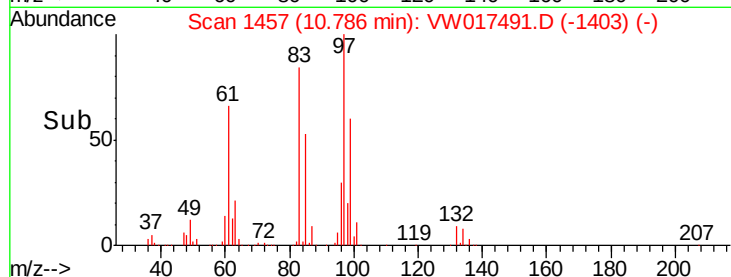
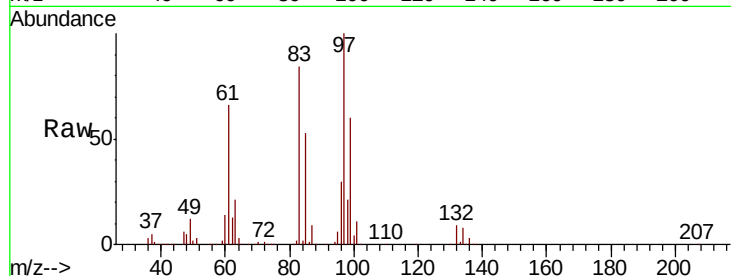
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 123740

Ion	Ratio	Lower	Upper
97	100		
83	83.6	58.5	108.7
85	52.8	37.8	70.2
99	60.5	43.7	81.1



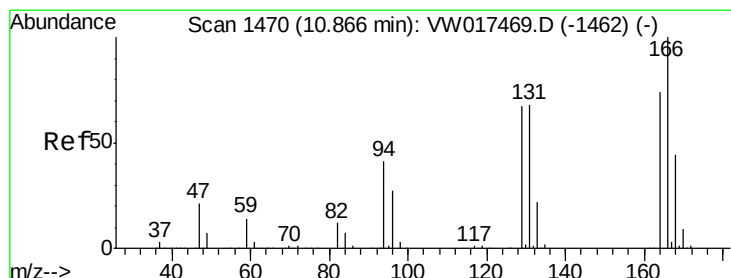
Abundance

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



#47

Tetrachloroethene

Concen: 23.448 ug/L

RT: 10.87 min Scan# 1470

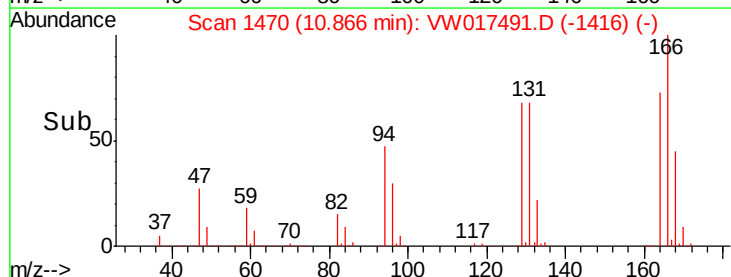
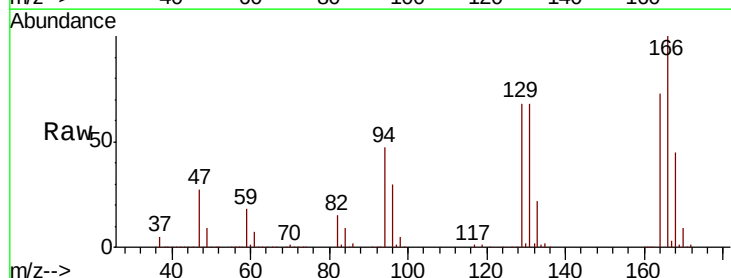
Delta R.T. -0.00 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

Tgt Ion:164 Resp: 155034

Ion	Ratio	Lower	Upper
164	100		
129	93.1	67.6	125.6
131	93.3	65.2	121.2
166	136.8	93.2	173.2



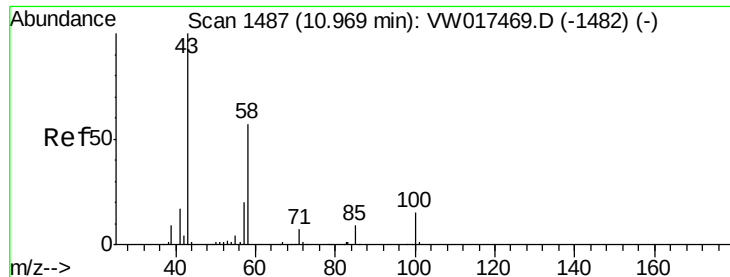
Abundance

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: 52.758 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 112780

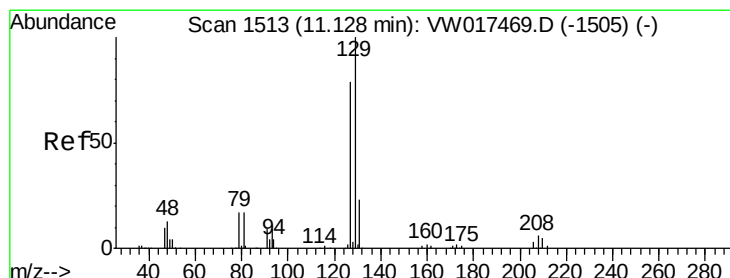
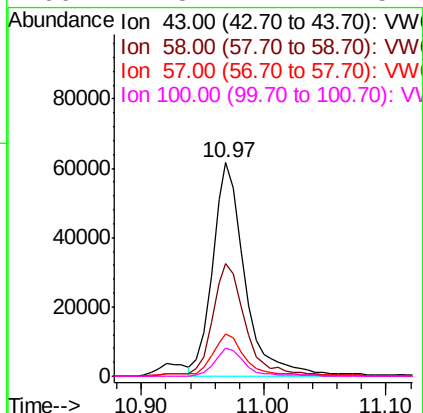
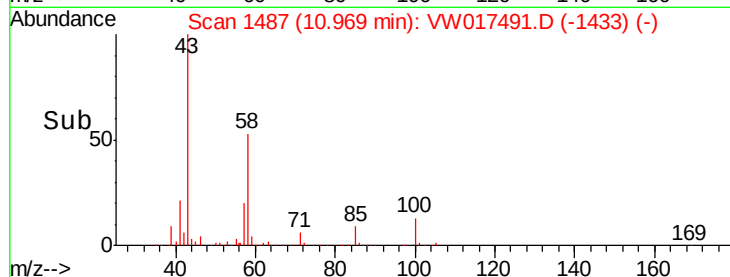
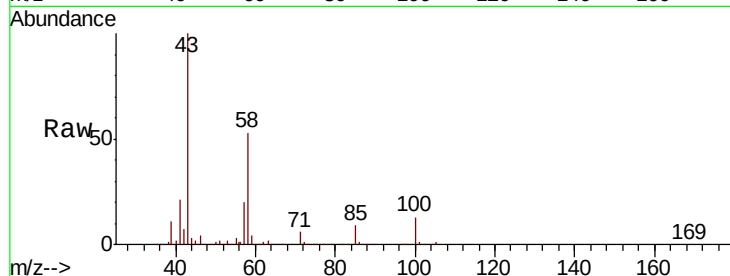
Ion Ratio Lower Upper

43 100

58 52.5 51.3 76.9

57 16.8 15.0 22.6

100 11.8 12.2 18.2#



#50

Dibromochloromethane

Concen: 25.135 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW017491.D

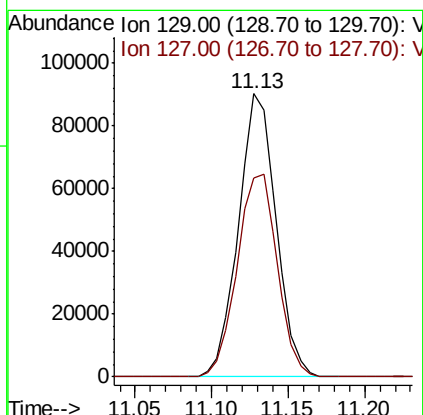
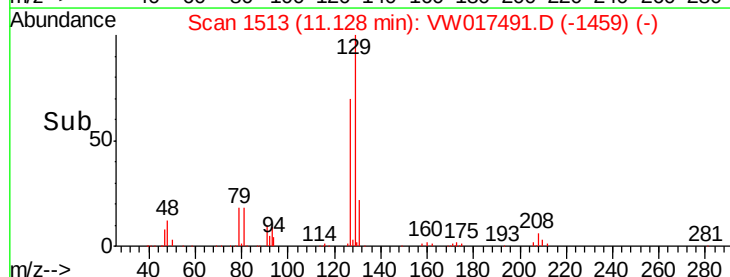
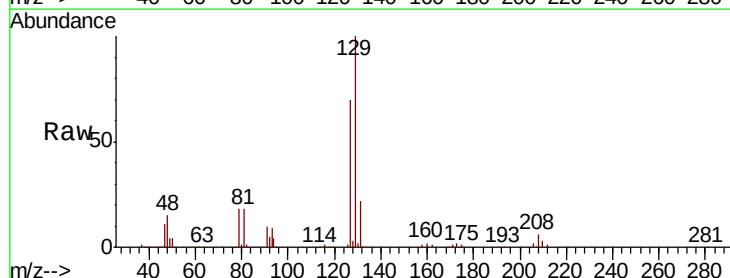
Acq: 24 Nov 2020 22:36

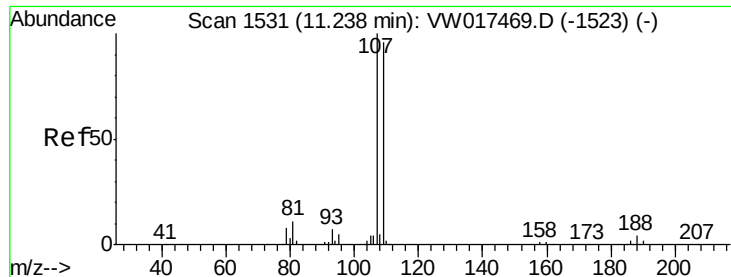
Tgt Ion: 129 Resp: 154677

Ion Ratio Lower Upper

129 100

127 70.3 53.2 98.8

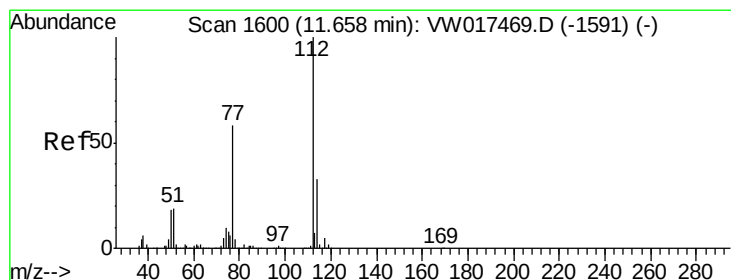
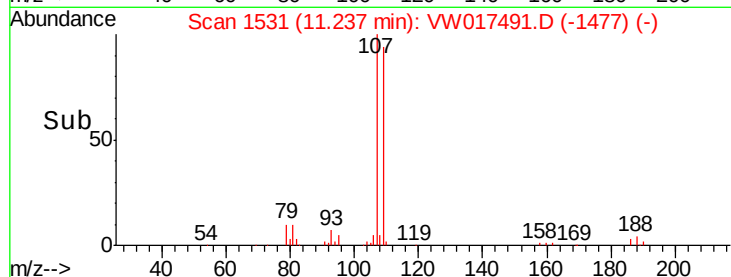
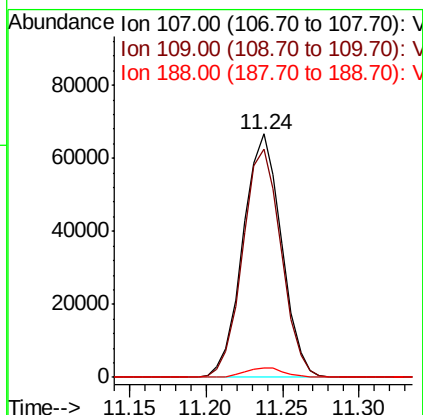
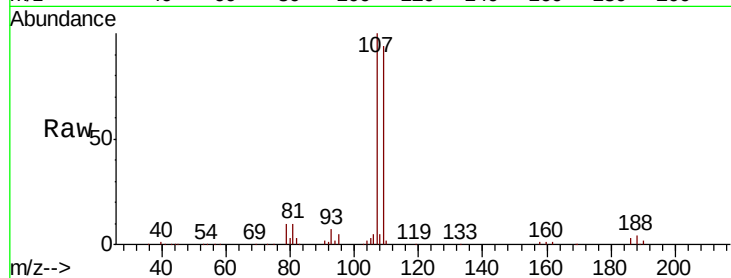




#51
 1,2-Dibromoethane
 Concen: 24.813 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW017491.D
 Acq: 24 Nov 2020 22:36

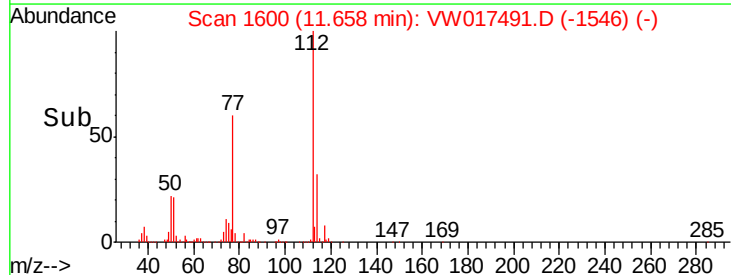
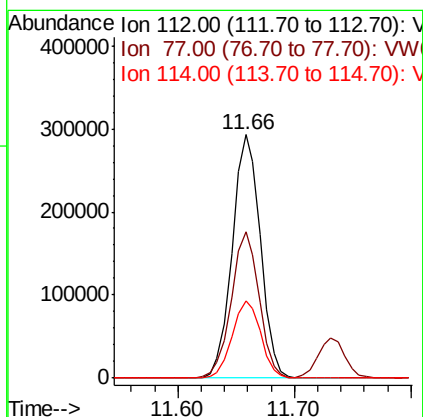
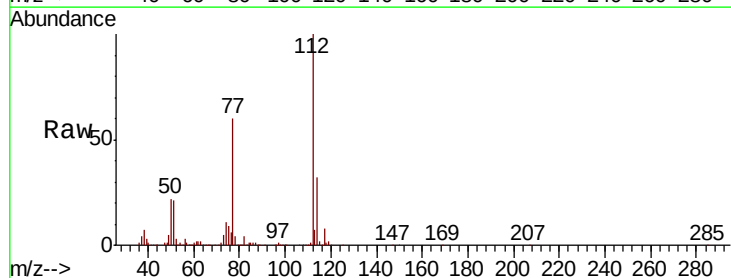
Instrument :
 MSVOA_W
 ClientSampleId :

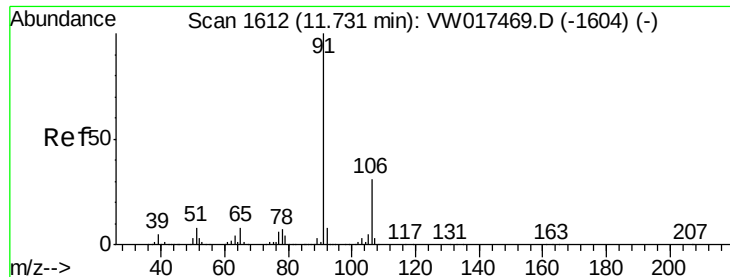
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	66.4	123.2
188	3.8	4.0	6.0#



#52
 Chlorobenzene
 Concen: 24.907 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW017491.D
 Acq: 24 Nov 2020 22:36

Tgt Ion	Ratio	Lower	Upper
112	100		
77	60.3	42.6	64.0
114	31.6	21.6	40.2

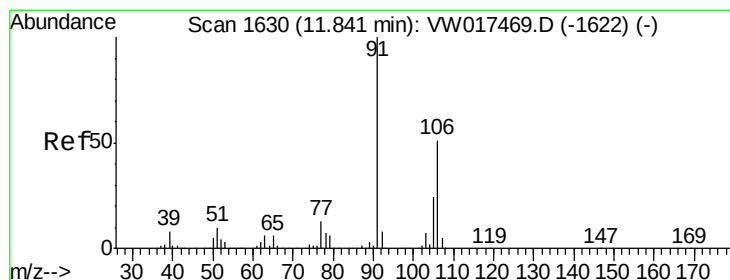
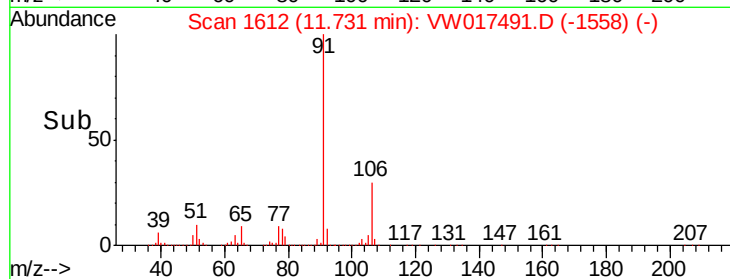
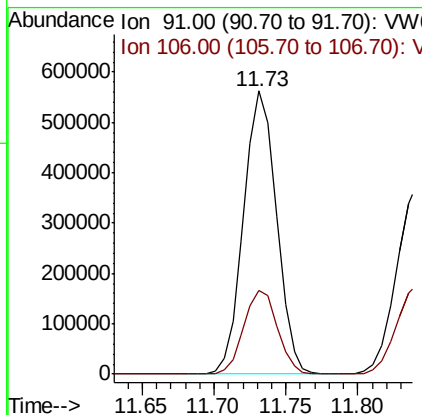
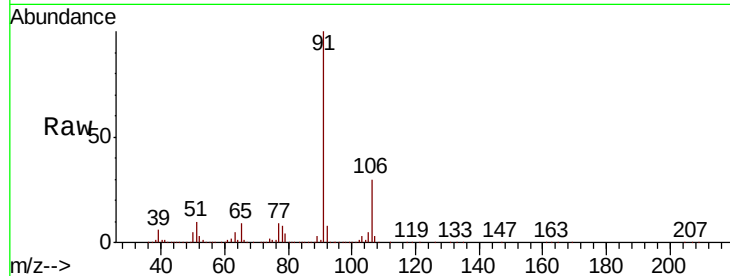




#53
Ethylbenzene
Concen: 26.175 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017491.D
Acq: 24 Nov 2020 22:36

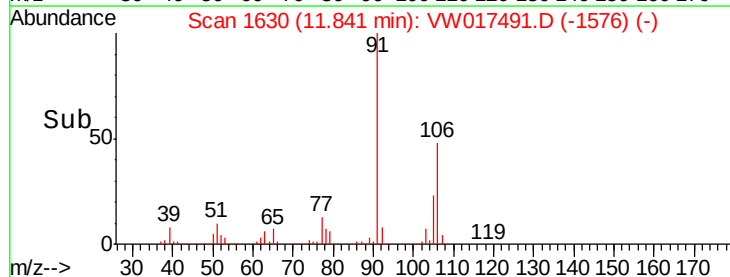
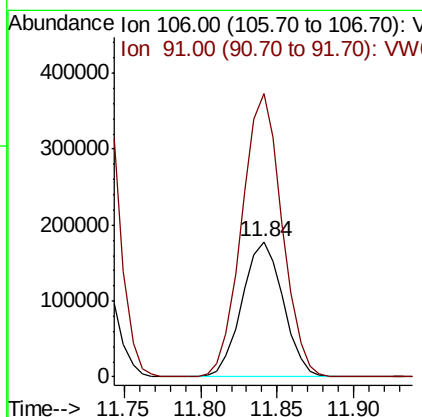
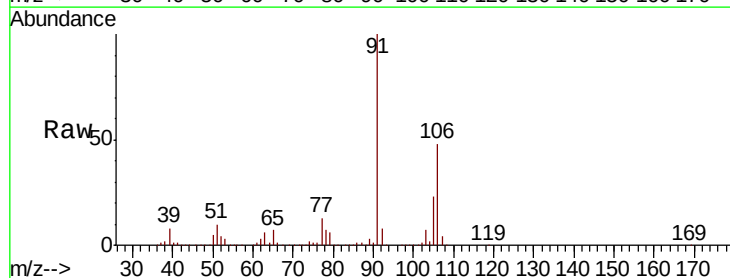
Instrument :
MSVOA_W
ClientSampleId :

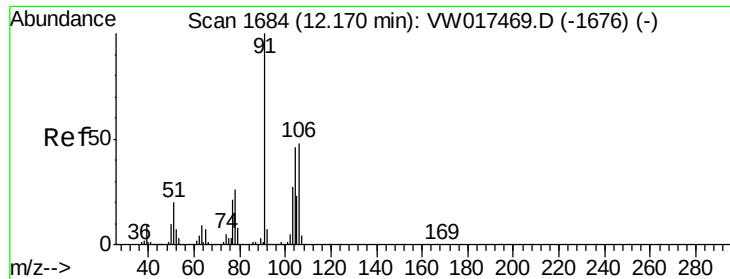
Tot Ion: 91 Resp: 893946
Ion Ratio Lower Upper
91 100
106 29.8 21.1 39.1



#54
m,p-Xylene
Concen: 25.492 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW017491.D
Acq: 24 Nov 2020 22:36

Tgt Ion: 106 Resp: 332176
Ion Ratio Lower Upper
106 100
91 209.3 136.4 253.4

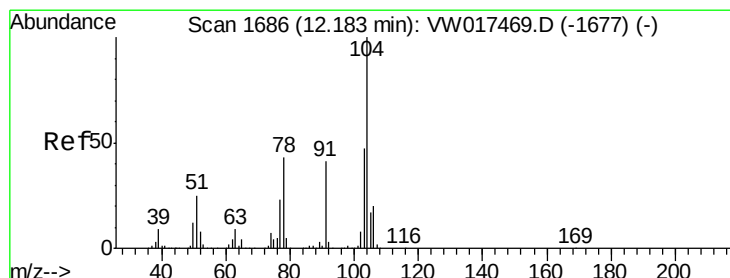
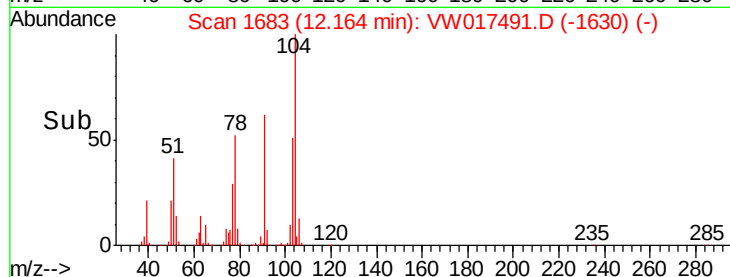
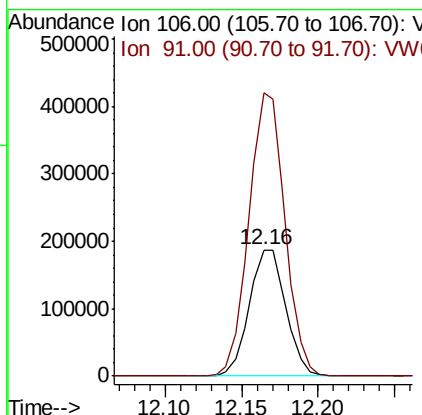
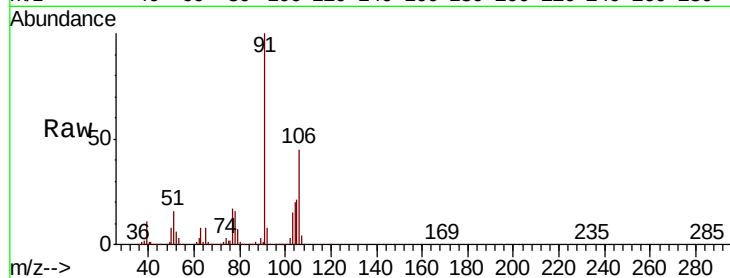




#55
o-xylene
Concen: 25.788 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW017491.D
Acq: 24 Nov 2020 22:36

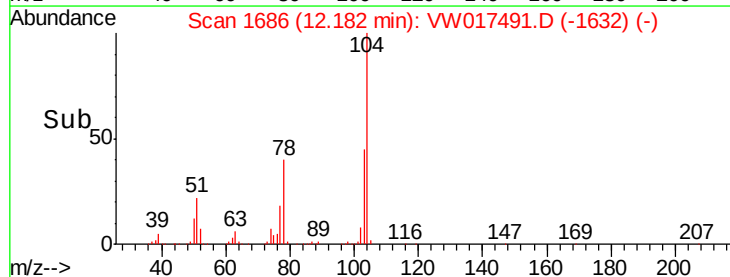
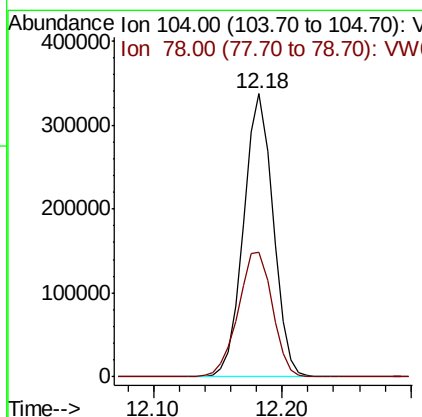
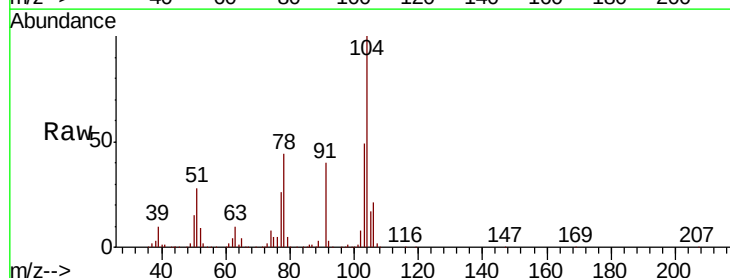
Instrument :
MSVOA_W
ClientSampled :

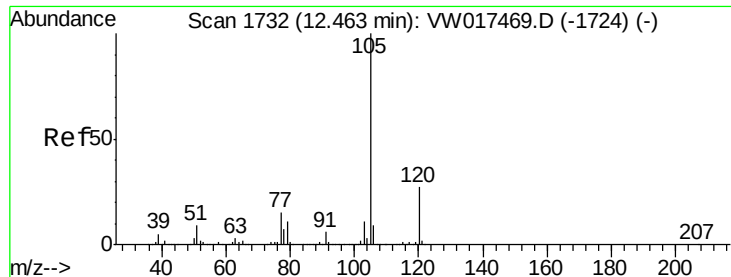
Tot Ion:106 Resp: 312979
Ion Ratio Lower Upper
106 100
91 223.7 147.6 274.2



#56
Styrene
Concen: 26.104 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017491.D
Acq: 24 Nov 2020 22:36

Tgt Ion:104 Resp: 532947
Ion Ratio Lower Upper
104 100
78 44.2 31.3 58.1





#57

Isopropylbenzene

Concen: 26.025 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

Instrument :

MSVOA_W

ClientSampleId :

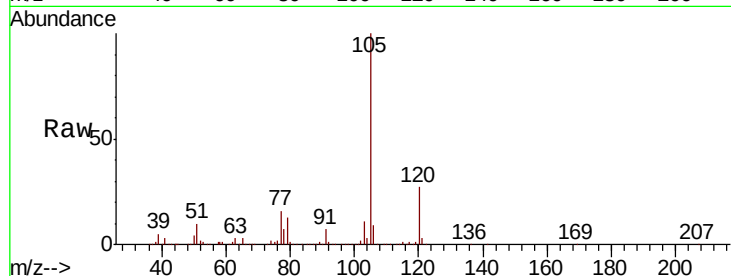
Tot Ion:105 Resp: 867553

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

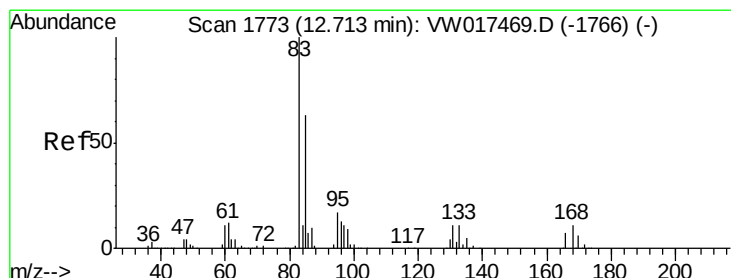
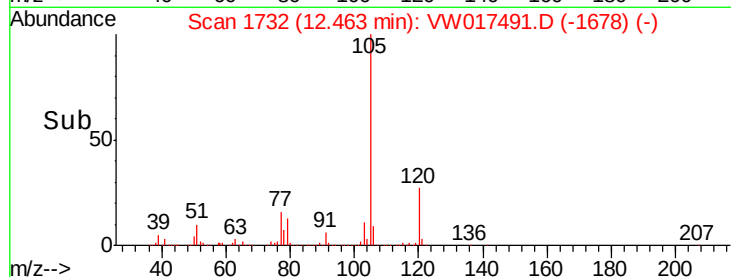
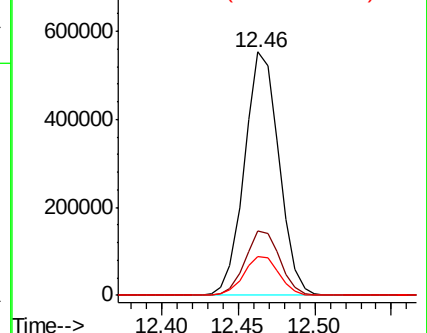
77 16.1 12.1 18.1



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: 24.946 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

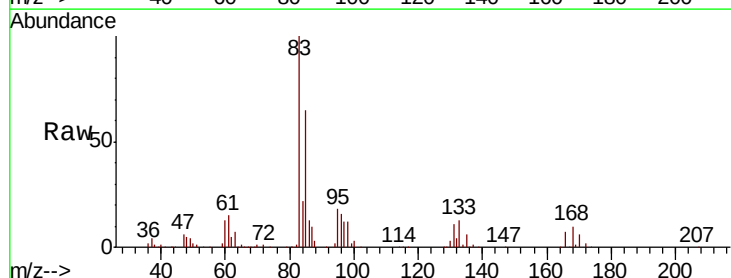
Tgt Ion: 83 Resp: 132276

Ion Ratio Lower Upper

83 100

85 65.2 45.3 84.1

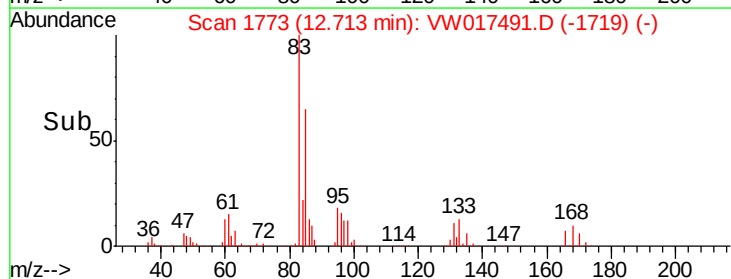
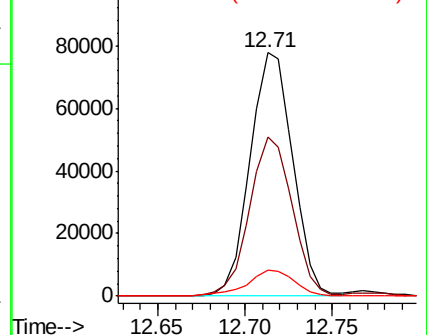
131 10.6 8.3 12.5

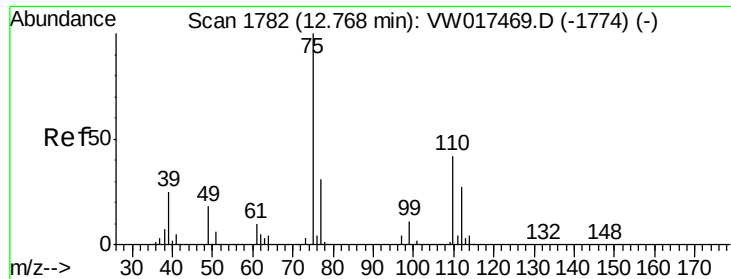


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.072 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

Instrument :

MSVOA_W

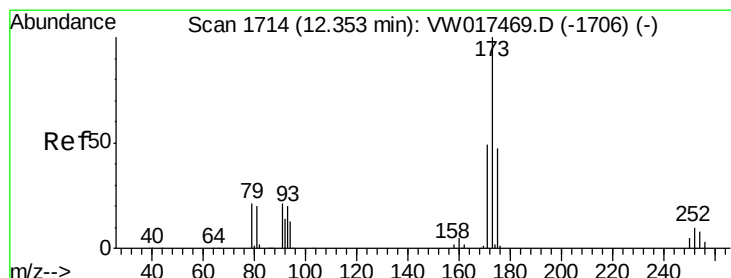
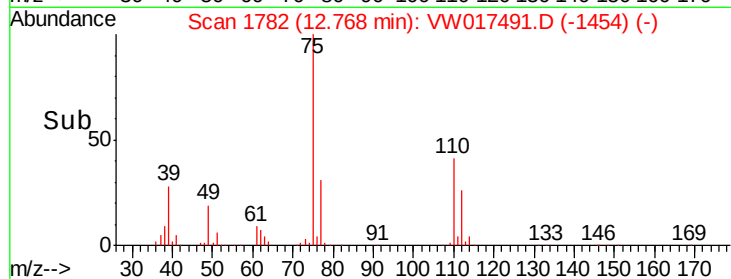
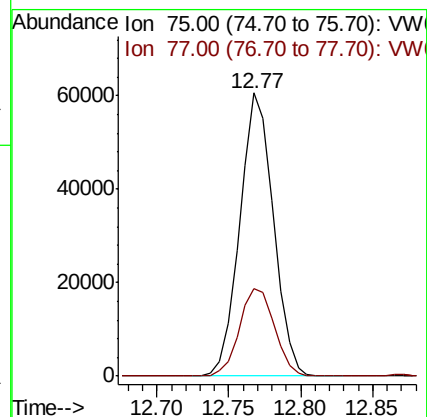
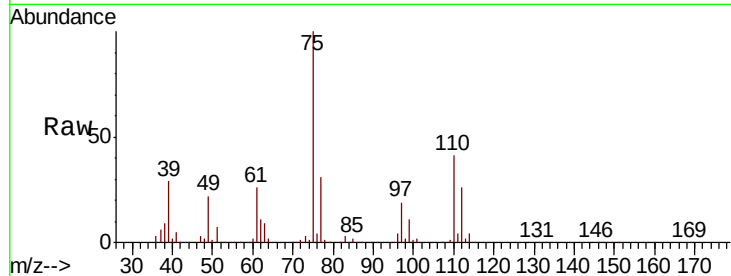
ClientSampleId :

Tot Ion: 75 Resp: 98125

Ion Ratio Lower Upper

75 100

77 32.4 26.6 39.8



#62

Bromoform

Concen: 24.856 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

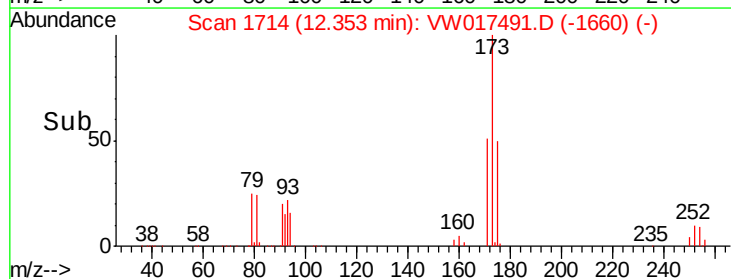
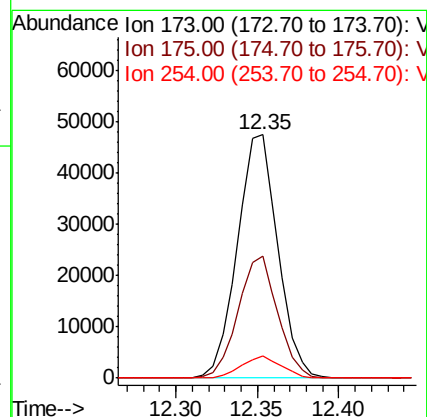
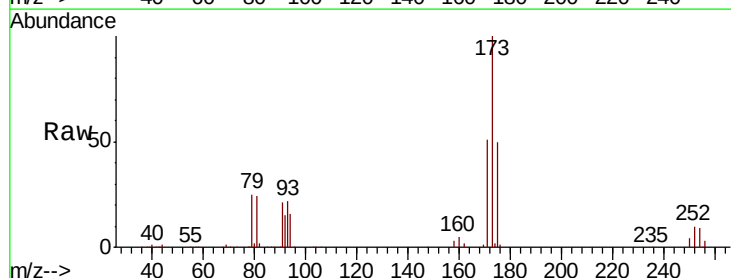
Tgt Ion: 173 Resp: 81887

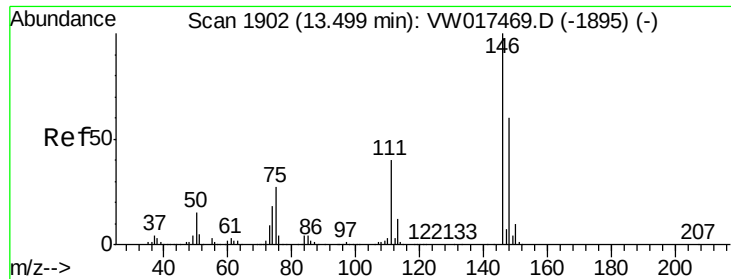
Ion Ratio Lower Upper

173 100

175 49.0 39.1 58.7

254 8.8 7.1 10.7

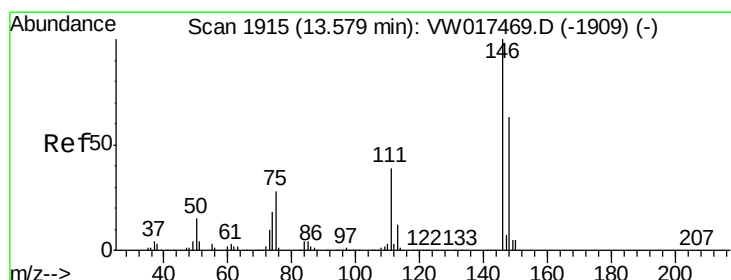
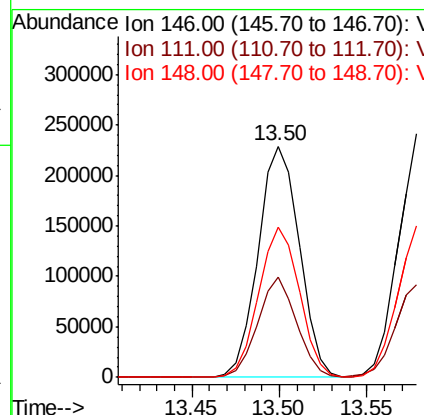
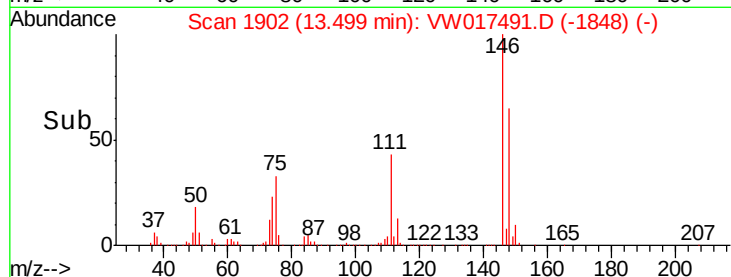
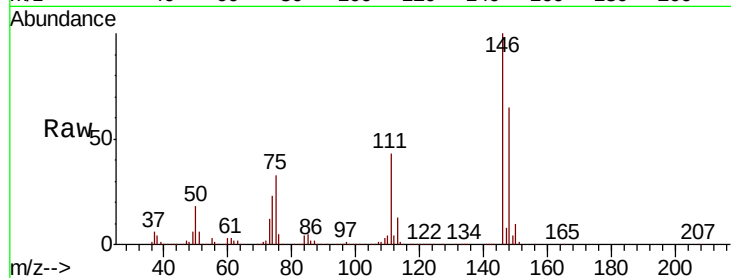




#63
 1,3-Dichlorobenzene
 Concen: 25.016 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017491.D
 Acq: 24 Nov 2020 22:36

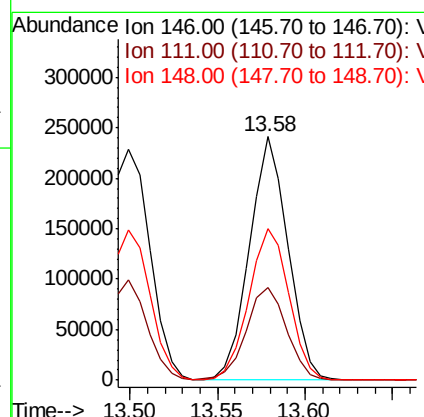
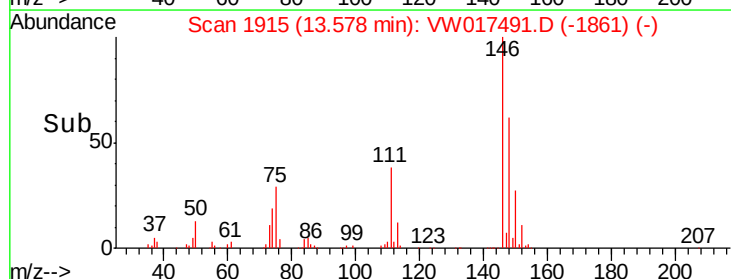
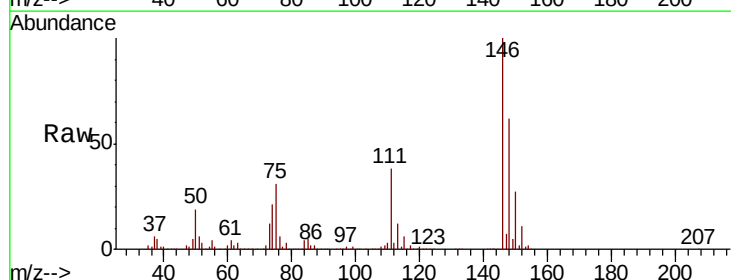
Instrument :
 MSVOA_W
 ClientSampleId :

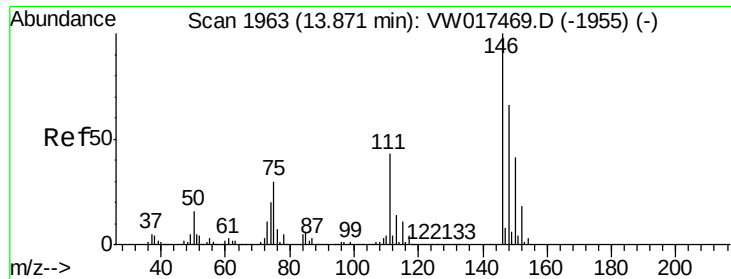
Tot Ion:146 Resp: 374873
 Ion Ratio Lower Upper
 146 100
 111 43.2 28.5 52.9
 148 65.0 47.8 88.8



#64
 1,4-Dichlorobenzene
 Concen: 24.830 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017491.D
 Acq: 24 Nov 2020 22:36

Tgt Ion:146 Resp: 368608
 Ion Ratio Lower Upper
 146 100
 111 37.8 27.7 51.5
 148 62.4 47.0 87.2

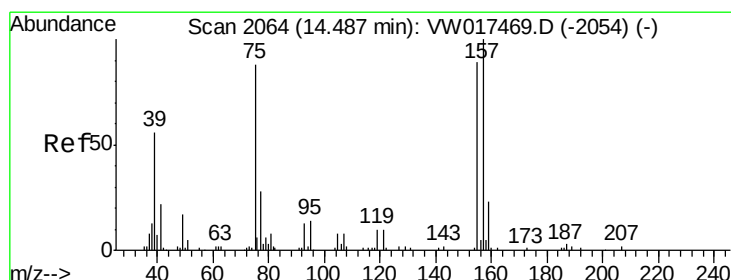
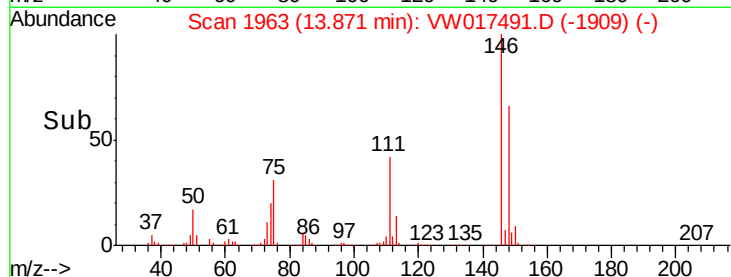
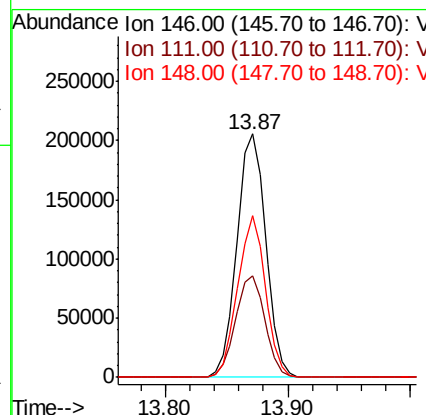
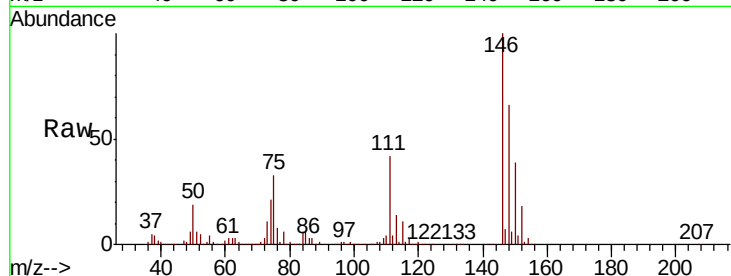




#65
 1,2-Dichlorobenzene
 Concen: 25.617 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017491.D
 Acq: 24 Nov 2020 22:36

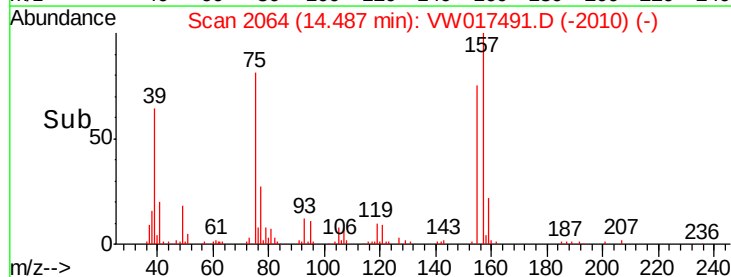
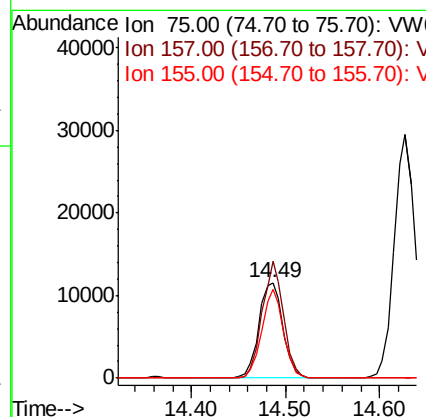
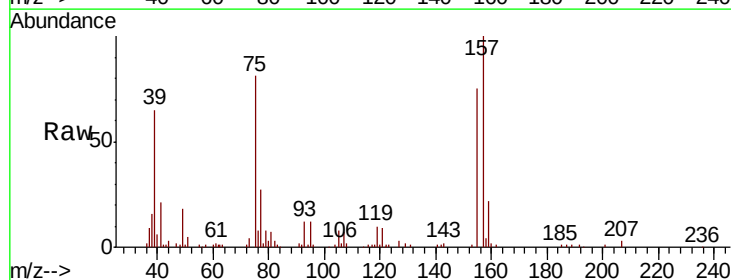
Instrument :
 MSVOA_W
 ClientSampled :

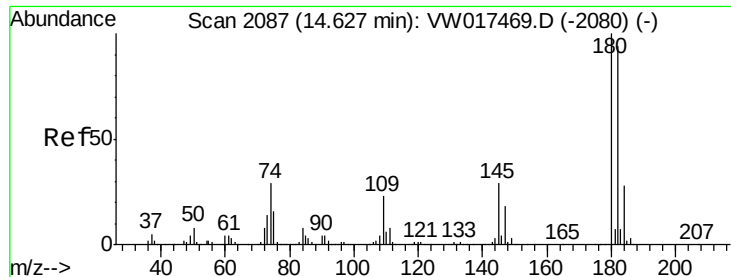
Tot Ion:146 Resp: 334351
 Ion Ratio Lower Upper
 146 100
 111 42.0 31.7 47.5
 148 66.2 49.3 73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.924 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW017491.D
 Acq: 24 Nov 2020 22:36

Tgt Ion: 75 Resp: 20945
 Ion Ratio Lower Upper
 75 100
 157 123.2 99.9 149.9
 155 92.5 71.4 107.0

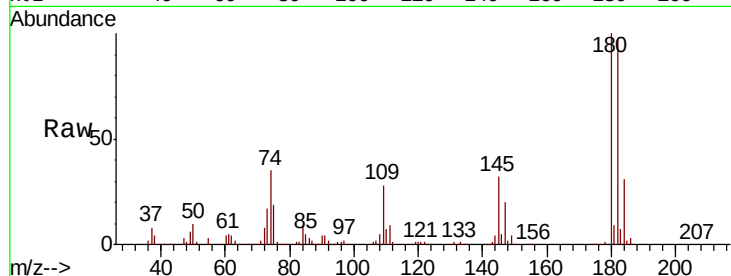




#67
 1,3,5-Trichlorobenzene
 Concen: 23.148 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017491.D
 Acq: 24 Nov 2020 22:36

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.0	115.6
184	31.7	24.2	36.4
145	30.8	23.5	35.3



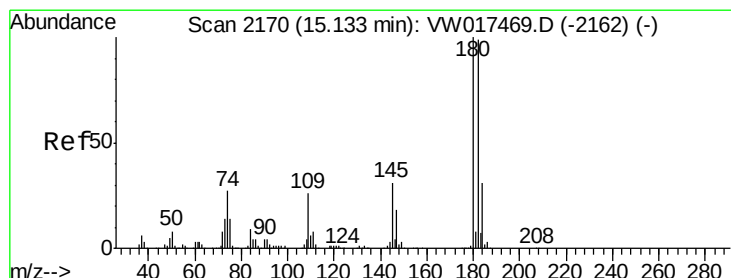
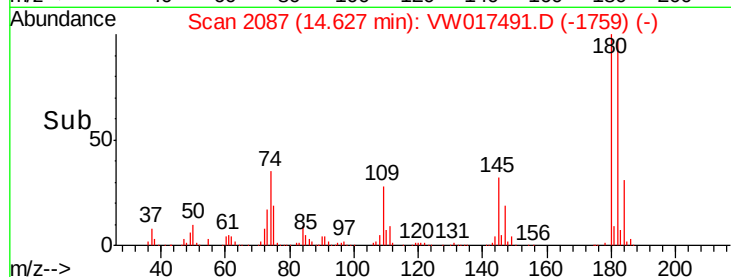
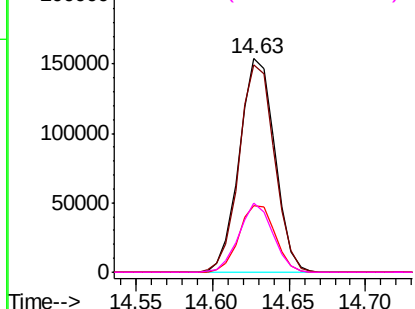
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

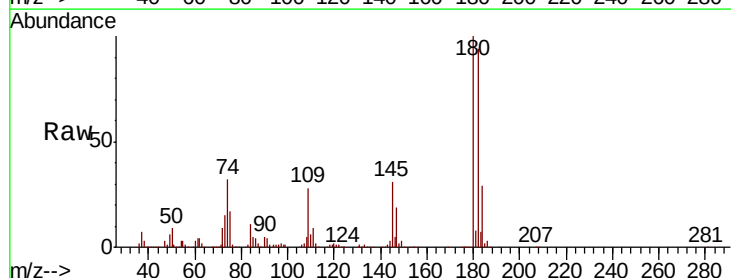
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.953 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017491.D
 Acq: 24 Nov 2020 22:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	71.3	106.9
145	31.9	24.0	36.0

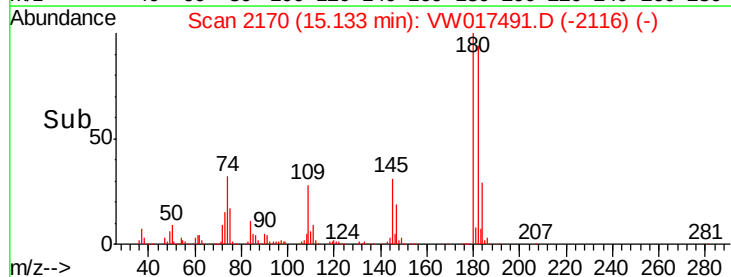
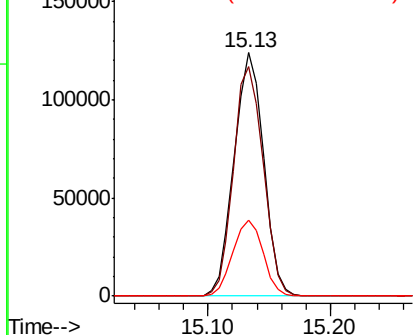


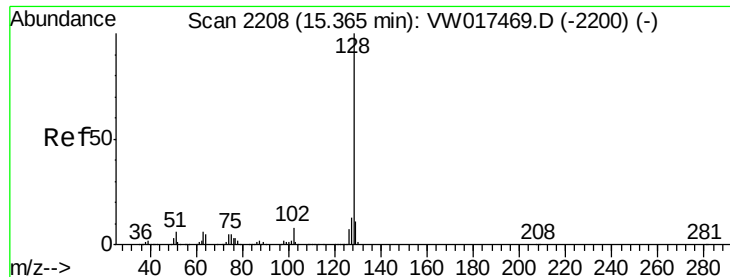
Abundance

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: 25.585 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

Instrument :

MSVOA_W

ClientSampled :

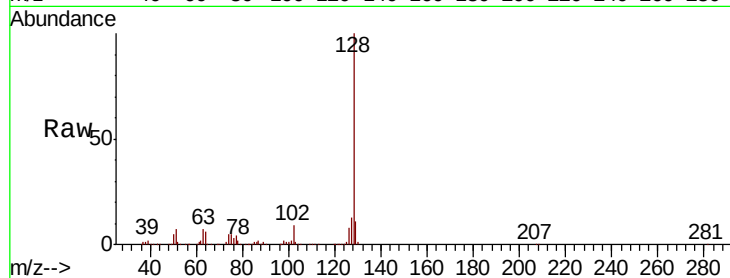
Tot Ion:128 Resp: 342832

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

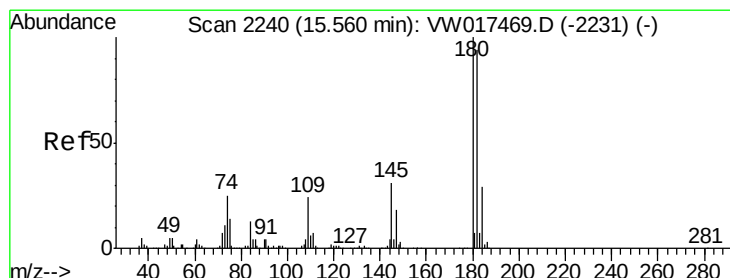
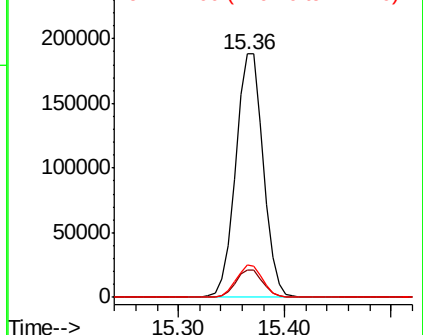
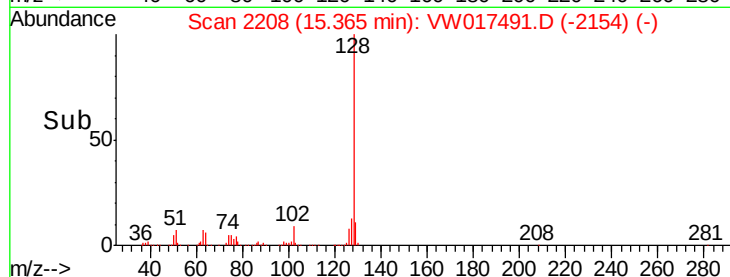
127 12.6 10.7 16.1



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: 23.595 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW017491.D

Acq: 24 Nov 2020 22:36

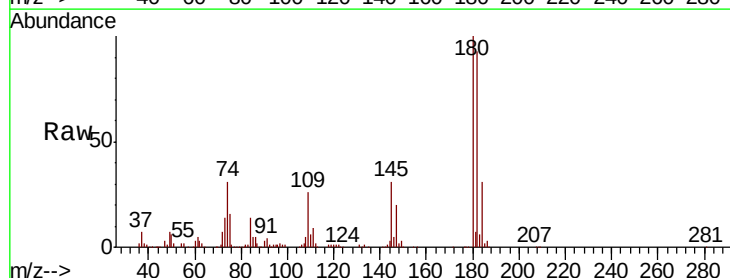
Tgt Ion:180 Resp: 170798

Ion Ratio Lower Upper

180 100

182 94.0 74.7 112.1

145 33.1 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

