

Data File : VW017465.D
Acq On : 24 Nov 2020 10:24
Operator : SY/VA
Sample : VSTD02508
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

Quant Time: Nov 24 11:19:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 23 16:18:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	455235	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	413202	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	214132	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	138708	20.33	ug/L	0.00
7) Chloroethane-d5	2.89	69	112968	21.63	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	305850	26.79	ug/L	0.00
20) 2-Butanone-d5	7.09	46	50986	43.30	ug/L	0.01
24) Chloroform-d	7.65	84	294728	25.40	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	136586	23.33	ug/L	0.00
29) Benzene-d6	8.27	84	579188	24.83	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	156195	22.87	ug/L	0.00
37) Toluene-d8	10.33	98	542741	22.49	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	68287	21.60	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	36240	32.79	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	102664	18.48	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	177017	21.72	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	96281	22.293	ug/L	98
3) Chloromethane	2.22	50	105910	22.870	ug/L	95
5) Vinyl chloride	2.37	62	138533	21.691	ug/L	99
6) Bromomethane	2.79	94	97525	20.556	ug/L	99
8) Chloroethane	2.93	64	90085	22.484	ug/L	95
9) Trichlorofluoromethane	3.27	101	155755	26.867	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	159218	26.784	ug/L	# 66
12) 1,1-Dichloroethene	4.05	96	153243	27.056	ug/L	94
13) Acetone	4.14	43	42148	49.784	ug/L	99
14) Carbon disulfide	4.40	76	439805	27.170	ug/L	99
15) Methyl Acetate	4.68	43	45042	24.306	ug/L	94
16) Methylene chloride	4.92	84	152153	17.605	ug/L	93
17) Methyl tert-butyl Ether	5.43	73	161076	23.828	ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	160493	26.564	ug/L	95
19) 1,1-Dichloroethane	6.22	63	270220	28.836	ug/L	99
21) 2-Butanone	7.18	43	59309	47.286	ug/L	93
22) cis-1,2-Dichloroethene	7.17	96	165005	26.239	ug/L	95
23) Bromochloromethane	7.52	128	71491	24.062	ug/L	# 92
25) Chloroform	7.68	83	287252	27.294	ug/L	100
27) 1,2-Dichloroethane	8.40	62	162076	24.815	ug/L	99
30) Cyclohexane	7.96	56	248294	31.326	ug/L	93
31) 1,1,1-Trichloroethane	7.88	97	242868	25.791	ug/L	100
32) Carbon tetrachloride	8.07	117	237035	25.644	ug/L	100
34) Benzene	8.33	78	620088	26.938	ug/L	100
35) Trichloroethene	9.10	95	168441	23.997	ug/L	98
36) Methylcyclohexane	9.34	83	285903	24.905	ug/L	94
40) 1,2-Dichloropropane	9.37	63	144647	25.037	ug/L	99
41) Bromodichloromethane	9.65	83	198403	24.598	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	224629	24.353	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	113699	40.316	ug/L	96

Data File : VW017465.D
Acq On : 24 Nov 2020 10:24
Operator : SY/VA
Sample : VSTD02508
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

Quant Time: Nov 24 11:19:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 23 16:18:20 2020
Response via : Initial Calibration

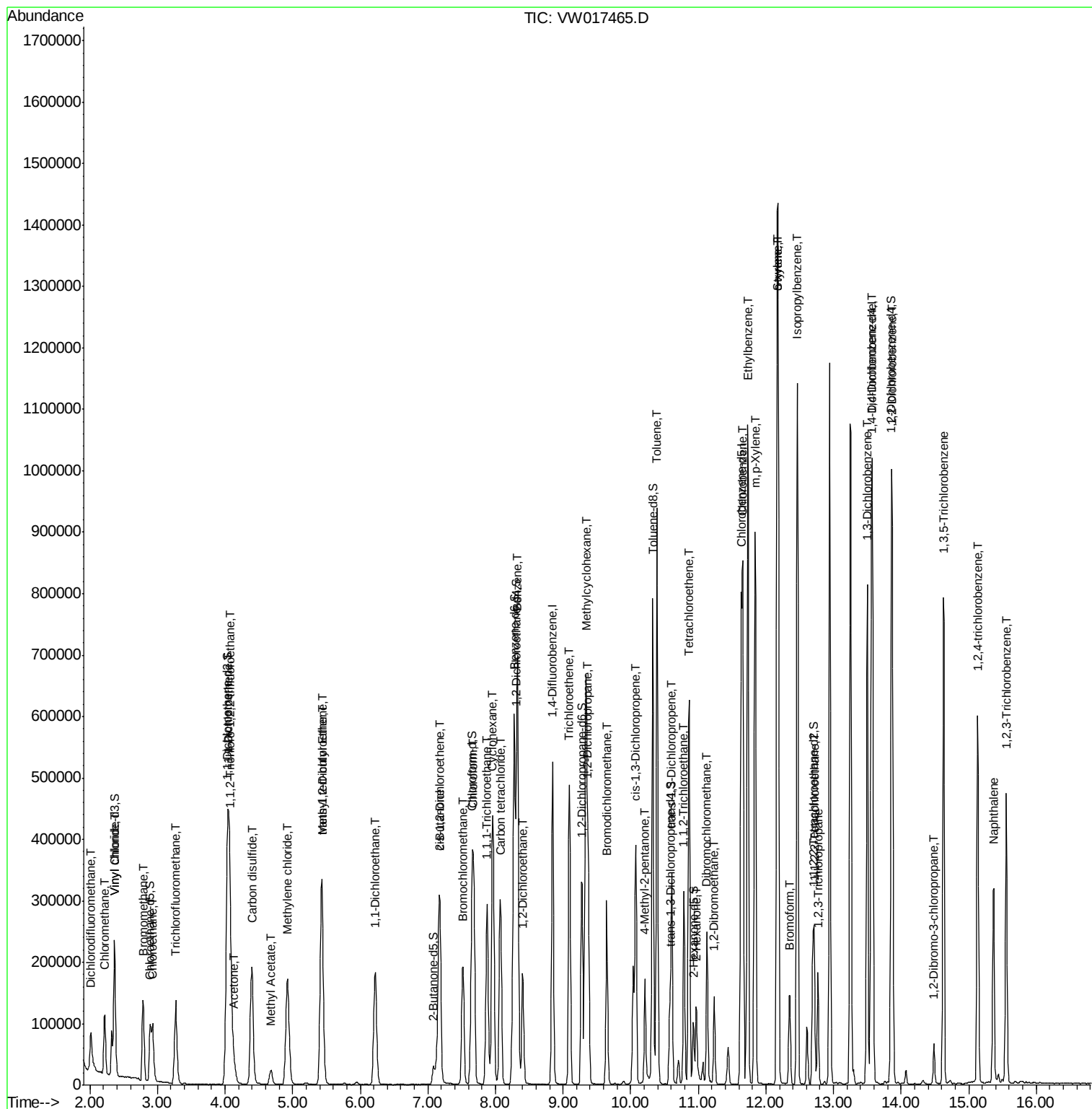
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	671216	23.986	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	186050	23.292	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	100576	20.335	ug/L	98
47) Tetrachloroethene	10.87	164	141077	20.943	ug/L	91
49) 2-Hexanone	10.97	43	72760	37.105	ug/L	96
50) Dibromochloromethane	11.13	129	129394	21.399	ug/L	98
51) 1,2-Dibromoethane	11.24	107	96084	21.189	ug/L #	96
52) Chlorobenzene	11.66	112	434700	23.981	ug/L	98
53) Ethylbenzene	11.73	91	757048	24.925	ug/L	97
54) m,p-Xylene	11.84	106	293105	24.660	ug/L	99
55) o-xylene	12.17	106	273871	23.745	ug/L	100
56) Styrene	12.18	104	459203	23.388	ug/L	95
57) Isopropylbenzene	12.46	105	766777	23.869	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	104015	19.630	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	75626	19.964	ug/L	99
62) Bromoform	12.35	173	69518	21.275	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	339977	24.099	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	330289	23.270	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	300765	23.768	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	16089	21.679	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	245851	23.245	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	197385	21.057	ug/L	97
69) Naphthalene	15.37	128	280570	19.417	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	166472	19.999	ug/L	96

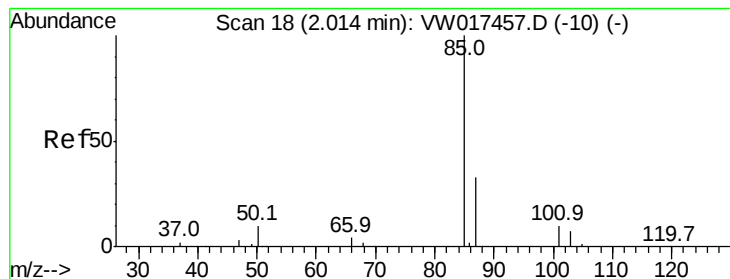
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW017465.D
Acq On : 24 Nov 2020 10:24
Operator : SY/VA
Sample : VSTD02508
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

Quant Time: Nov 24 11:19:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 23 16:18:20 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 22.293 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017465.D

Acq: 24 Nov 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

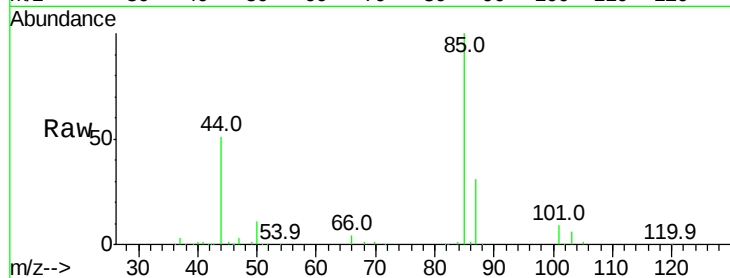
VSTD02502

Tgt Ion: 85 Resp: 96281

Ion Ratio Lower Upper

85 100

87 33.1 22.5 41.9



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01

40000

30000

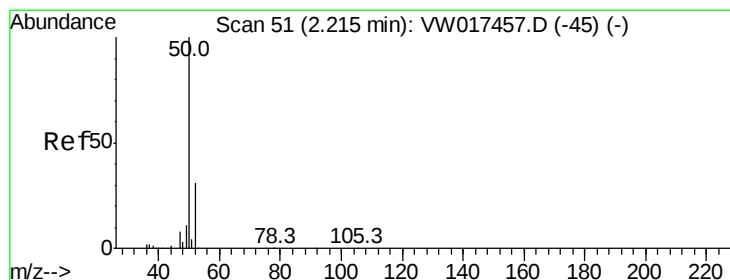
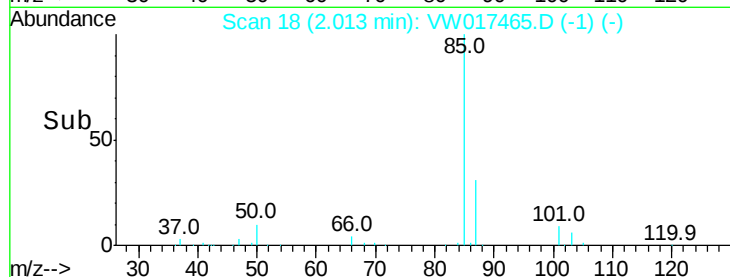
20000

10000

0

1.95 2.00 2.05 2.10

Time-->



#3

Chloromethane

Concen: 22.870 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW017465.D

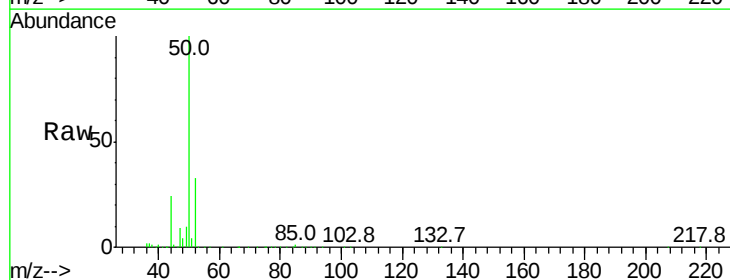
Acq: 24 Nov 2020 10:24

Tgt Ion: 50 Resp: 105910

Ion Ratio Lower Upper

50 100

52 33.5 21.6 40.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.22

60000

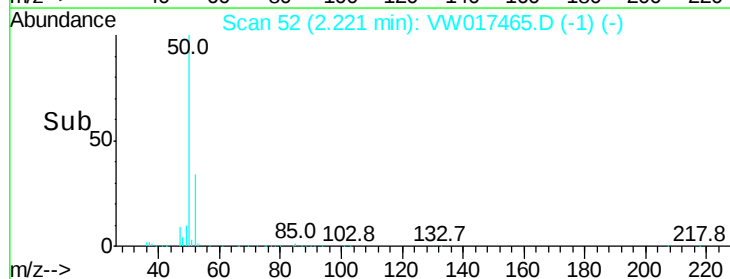
40000

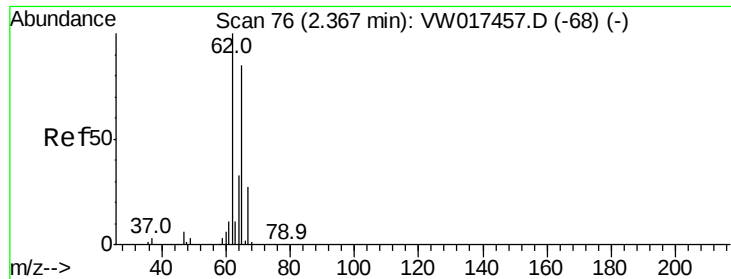
20000

0

2.15 2.20 2.25 2.30

Time-->





#5

Vinyl chloride

Concen: 21.691 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017465.D

Acq: 24 Nov 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

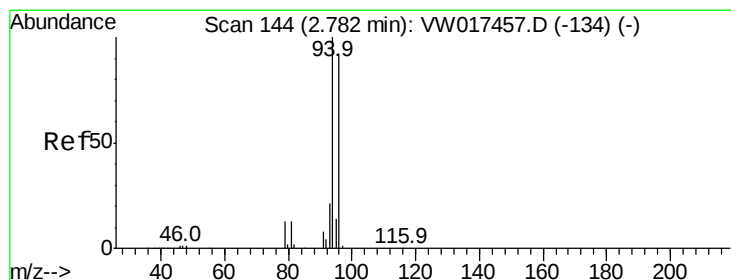
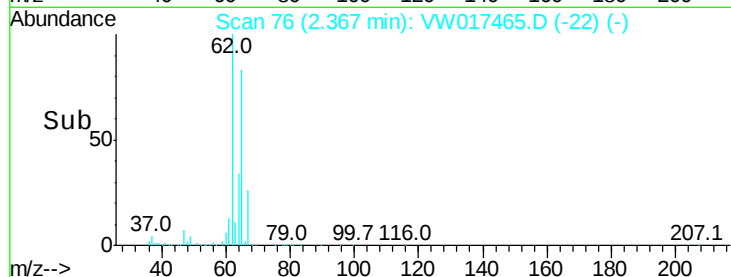
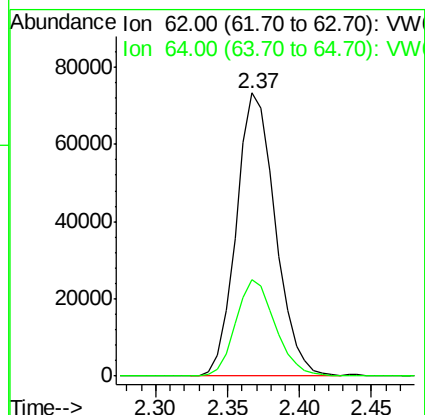
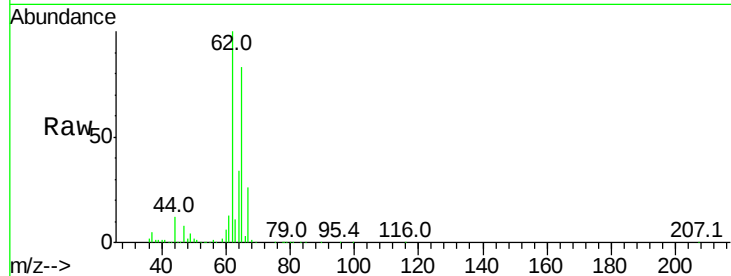
VSTD02502

Tgt Ion: 62 Resp: 138533

Ion Ratio Lower Upper

62 100

64 34.2 23.4 43.4



#6

Bromomethane

Concen: 20.556 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW017465.D

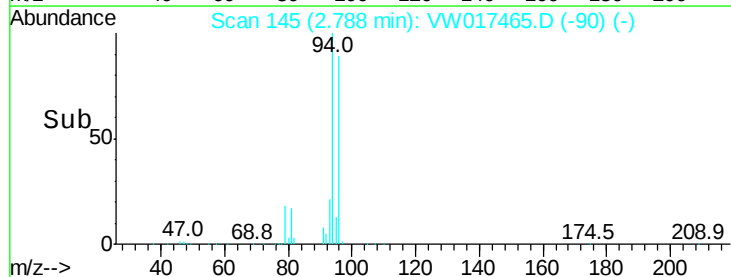
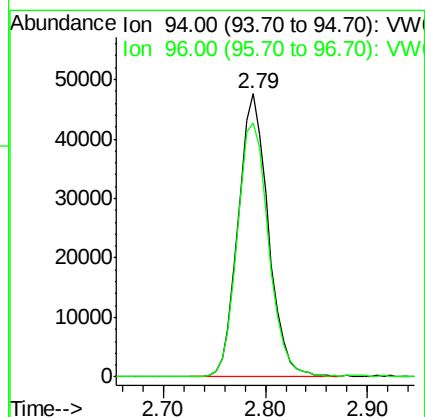
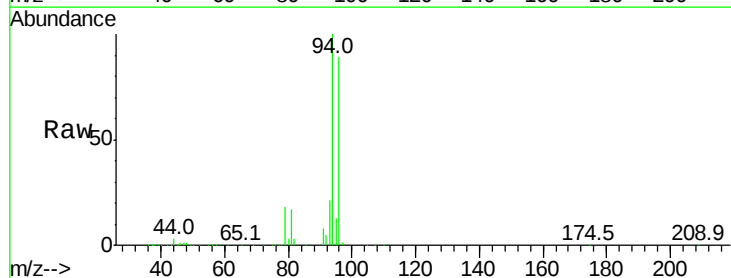
Acq: 24 Nov 2020 10:24

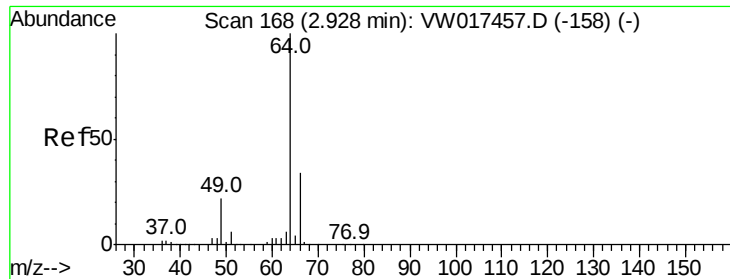
Tgt Ion: 94 Resp: 97525

Ion Ratio Lower Upper

94 100

96 93.7 9.5 179.7

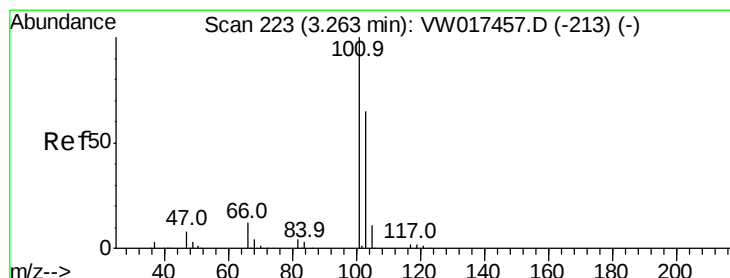
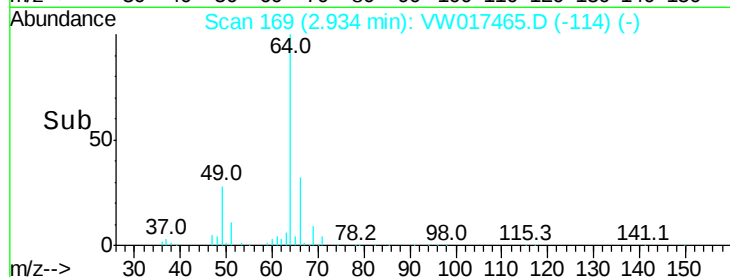
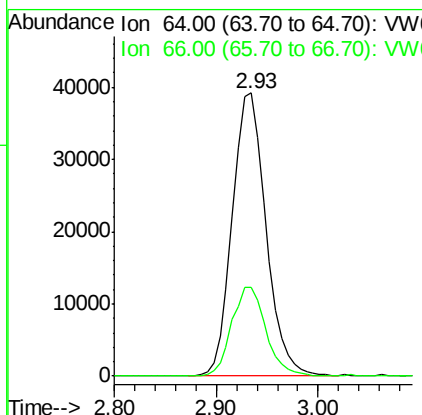
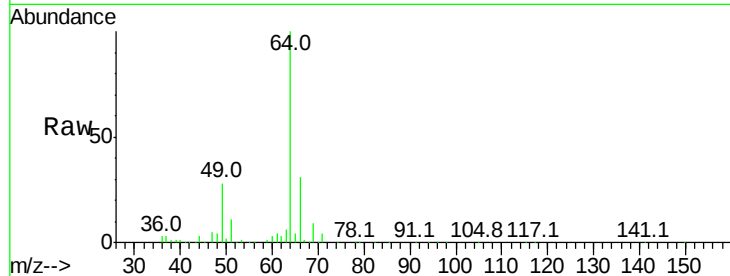




#8
Chloroethane
Concen: 22.484 ug/L
RT: 2.93 min Scan# 169
Delta R.T. 0.01 min
Lab File: VW017465.D
Acq: 24 Nov 2020 10:24

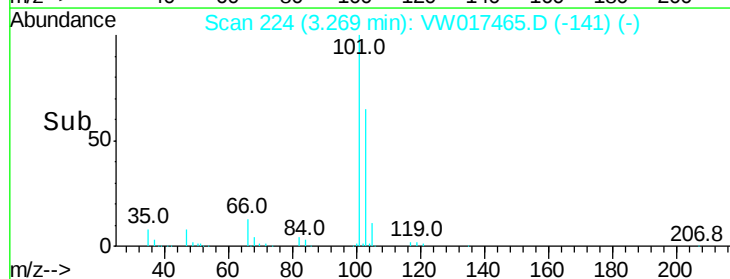
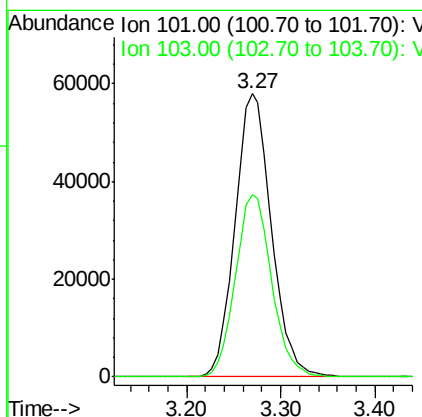
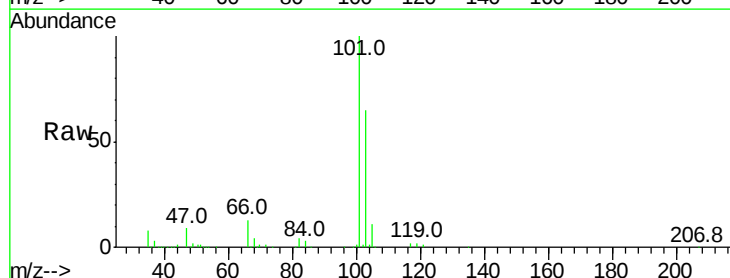
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

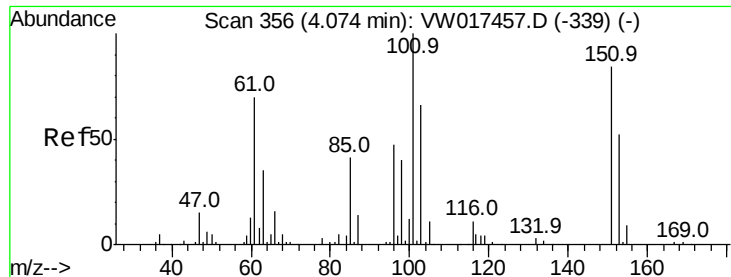
Tgt Ion: 64 Resp: 90085
Ion Ratio Lower Upper
64 100
66 31.5 23.9 44.5



#9
Trichlorofluoromethane
Concen: 26.867 ug/L
RT: 3.27 min Scan# 224
Delta R.T. 0.01 min
Lab File: VW017465.D
Acq: 24 Nov 2020 10:24

Tgt Ion: 101 Resp: 155755
Ion Ratio Lower Upper
101 100
103 64.3 44.7 82.9





#11

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

Concen: 26.784 ug/L

RT: 4.07 min Scan# 356

Delta R.T. -0.00 min

Lab File: VW017465.D

Acq: 24 Nov 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

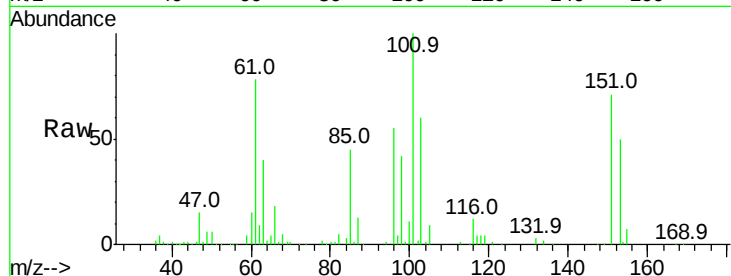
Tgt Ion: 101 Resp: 159218

Ion Ratio Lower Upper

101 100

85 42.8 32.8 49.2

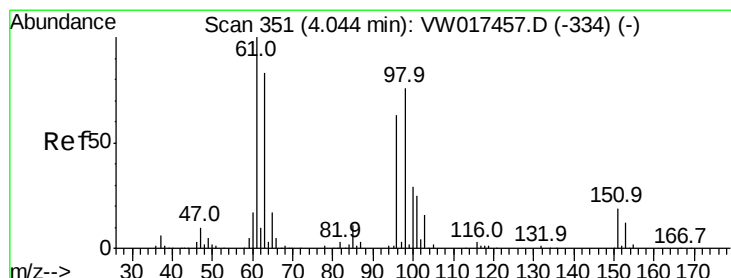
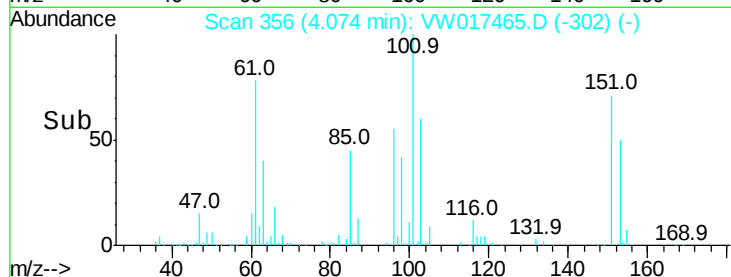
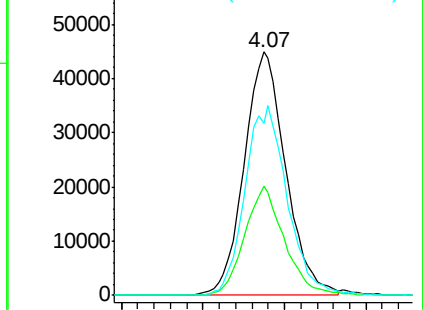
151 38.0 65.8 98.6#



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: 27.056 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017465.D

Acq: 24 Nov 2020 10:24

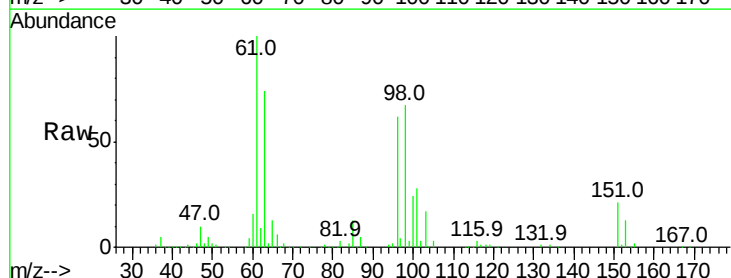
Tgt Ion: 96 Resp: 153243

Ion Ratio Lower Upper

96 100

61 160.7 111.9 207.9

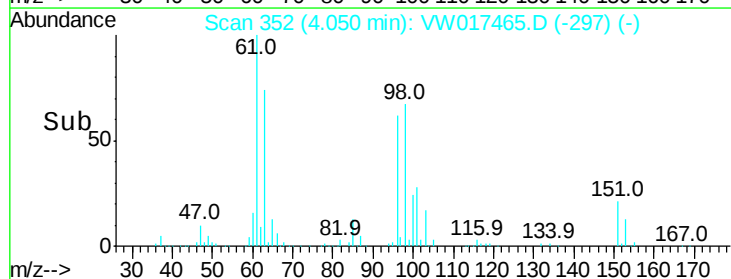
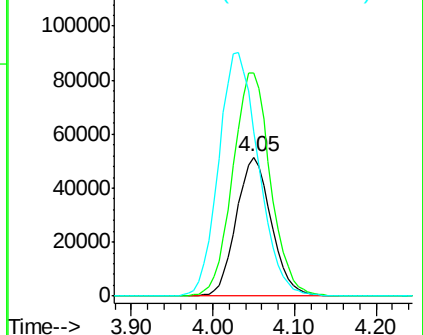
63 118.7 92.7 172.3

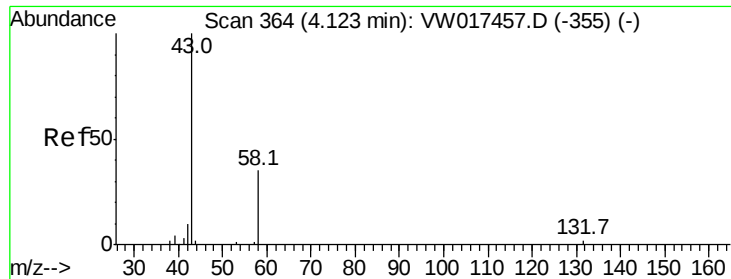


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.784 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017465.D

Acq: 24 Nov 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

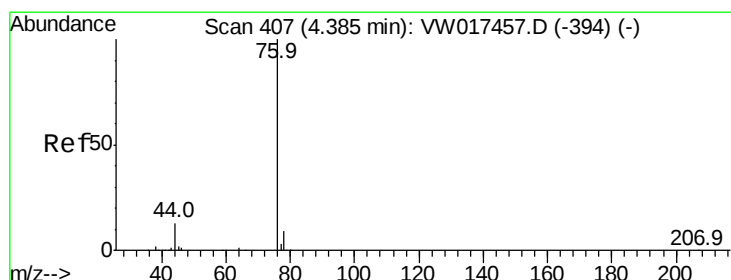
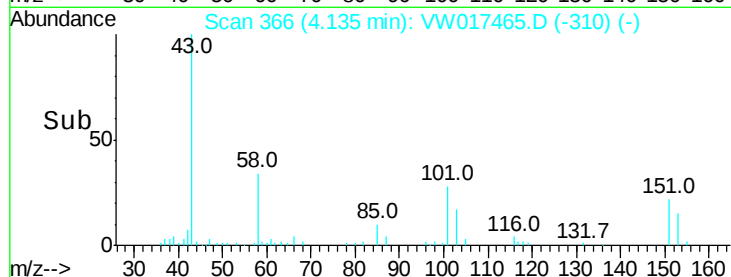
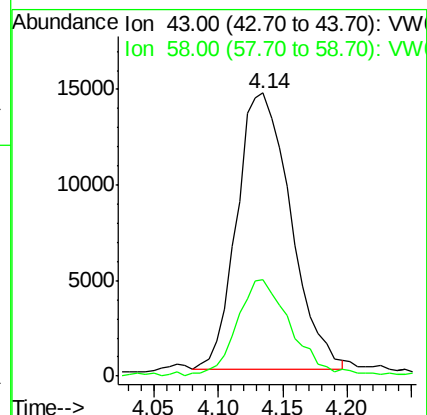
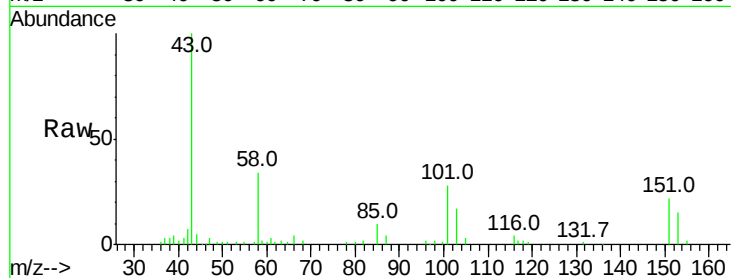
VSTD02502

Tgt Ion: 43 Resp: 42148

Ion Ratio Lower Upper

43 100

58 34.2 0.0 67.2



#14

Carbon disulfide

Concen: 27.170 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW017465.D

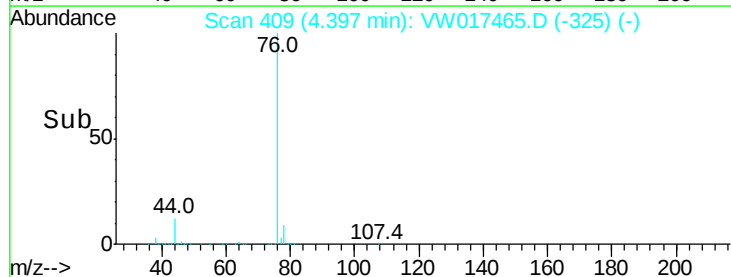
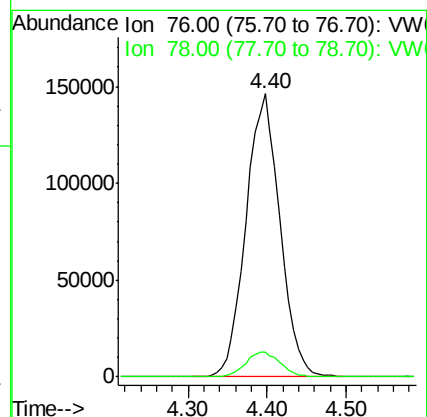
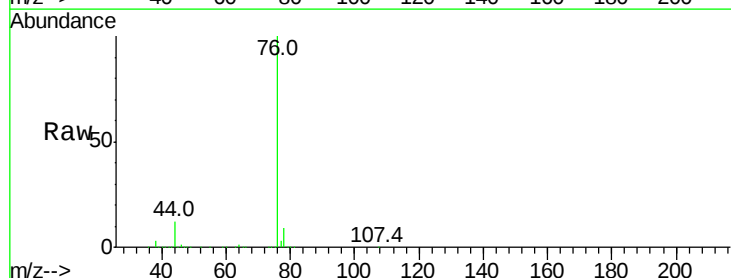
Acq: 24 Nov 2020 10:24

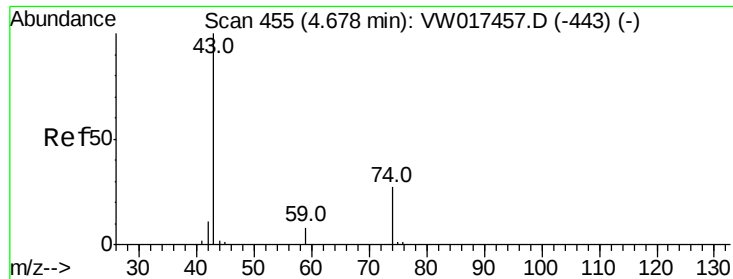
Tgt Ion: 76 Resp: 439805

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9

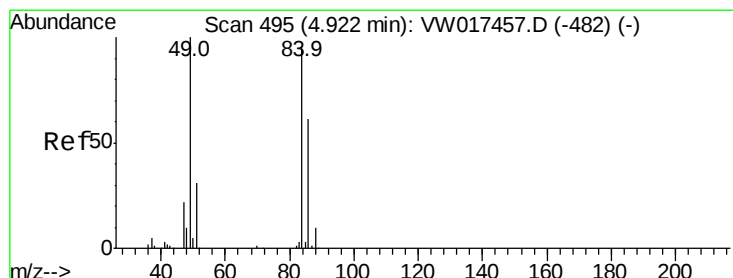
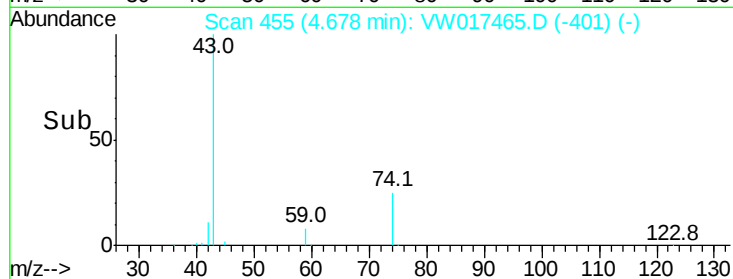
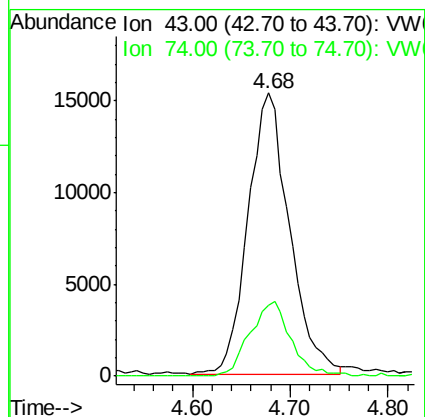
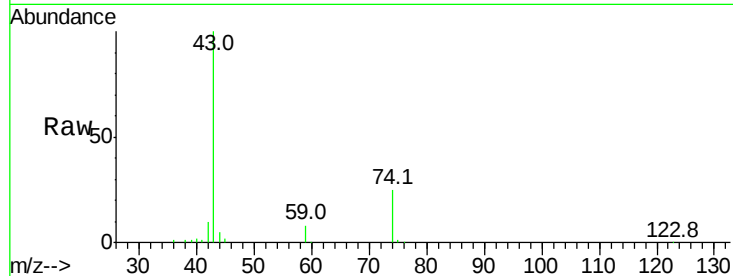




#15
Methyl Acetate
Concen: 24.306 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW017465.D
Acq: 24 Nov 2020 10:24

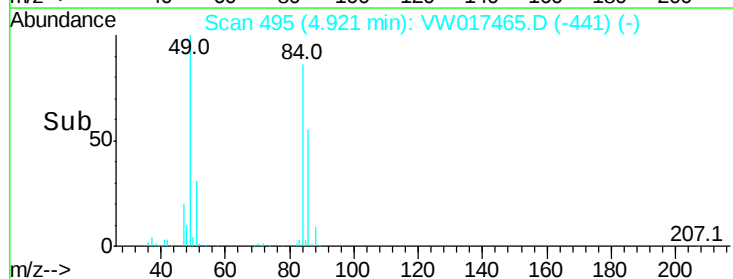
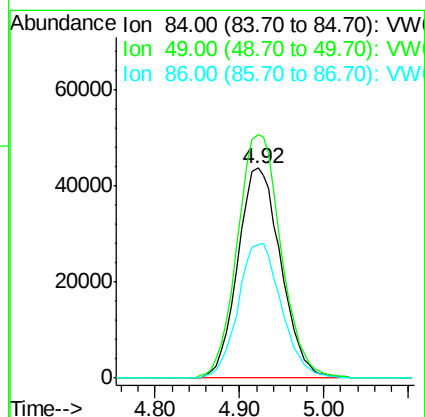
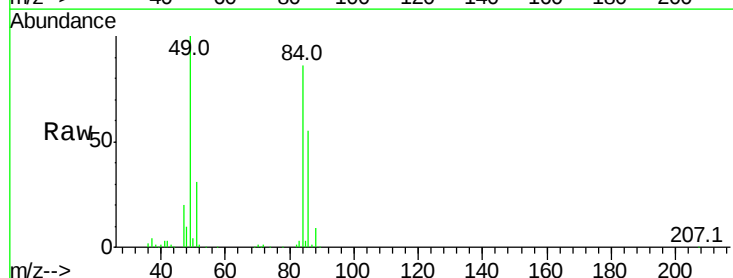
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

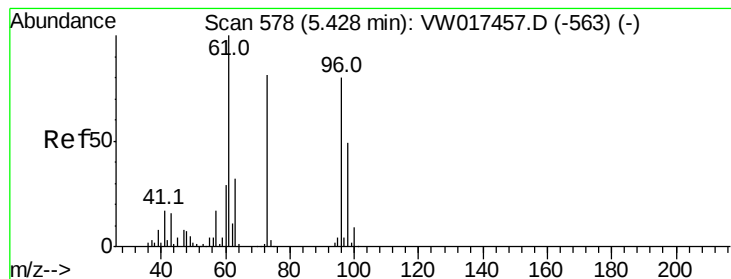
Tgt Ion: 43 Resp: 45042
Ion Ratio Lower Upper
43 100
74 25.9 23.2 34.8



#16
Methylene chloride
Concen: 17.605 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017465.D
Acq: 24 Nov 2020 10:24

Tgt Ion: 84 Resp: 152153
Ion Ratio Lower Upper
84 100
49 116.0 73.3 136.1
86 63.6 44.4 82.4





#17

Methyl tert-butyl Ether

Concen: 23.828 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW017465.D

Acq: 24 Nov 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

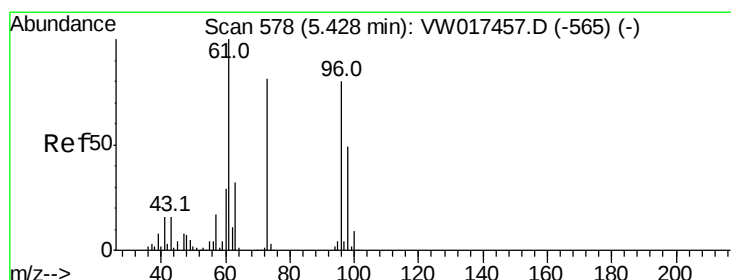
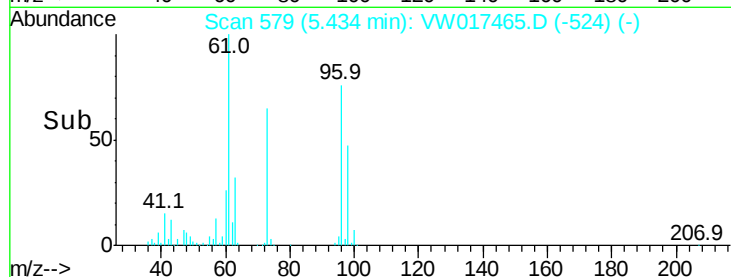
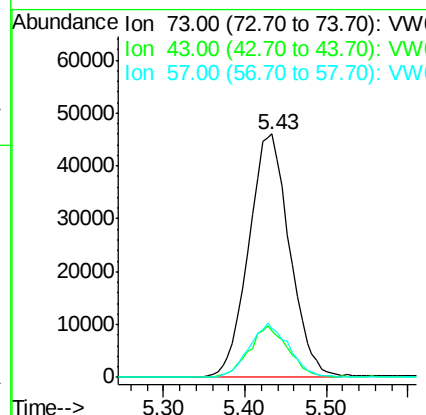
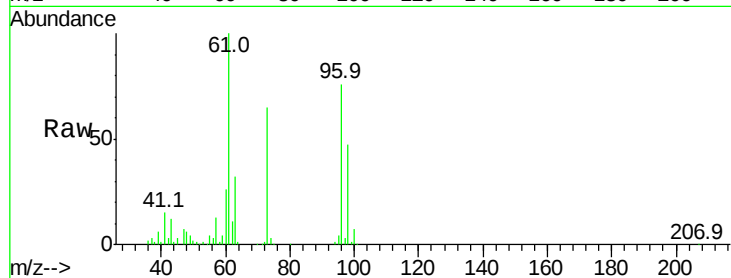
Tgt Ion: 73 Resp: 161076

Ion Ratio Lower Upper

73 100

43 20.3 15.8 23.6

57 21.5 16.5 24.7



#18

trans-1,2-Dichloroethene

Concen: 26.564 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW017465.D

Acq: 24 Nov 2020 10:24

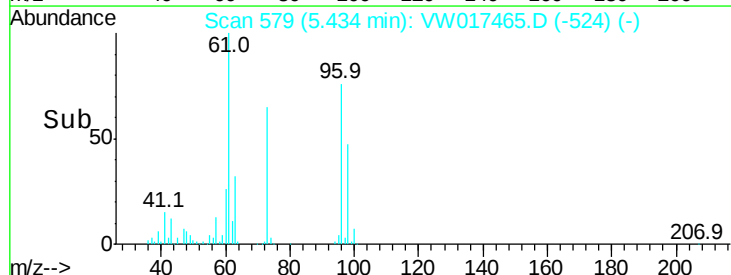
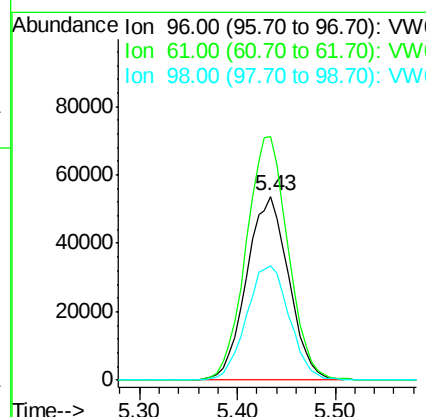
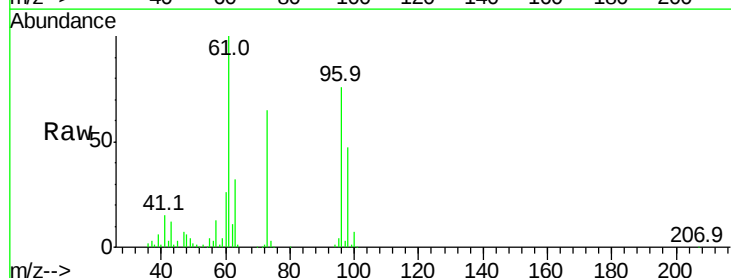
Tgt Ion: 96 Resp: 160493

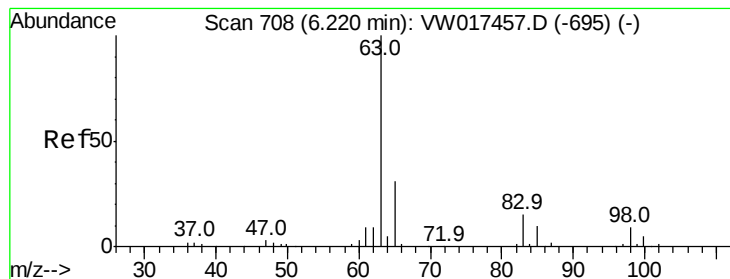
Ion Ratio Lower Upper

96 100

61 132.4 87.2 162.0

98 61.8 42.8 79.4





#19

1,1-Dichloroethane

Concen: 28.836 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW017465.D

Acq: 24 Nov 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

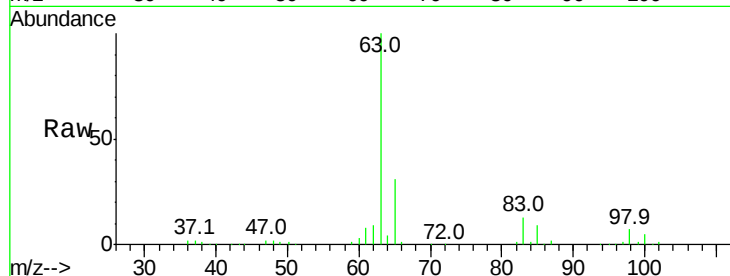
Tgt Ion: 63 Resp: 270220

Ion Ratio Lower Upper

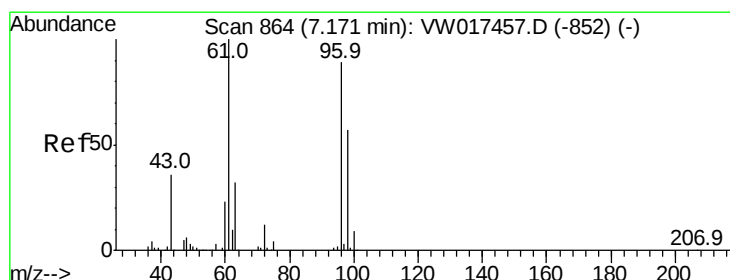
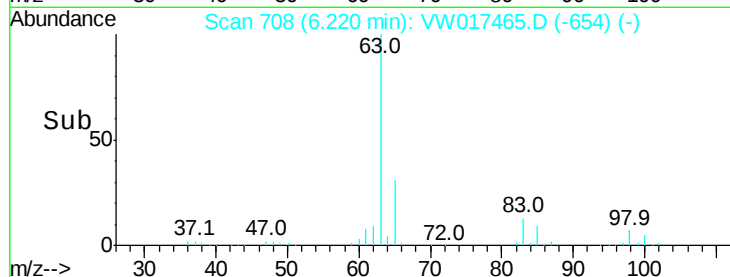
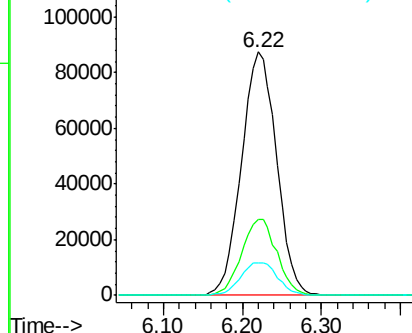
63 100

65 31.3 21.7 40.3

83 13.5 10.2 19.0



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



#21

2-Butanone

Concen: 47.286 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW017465.D

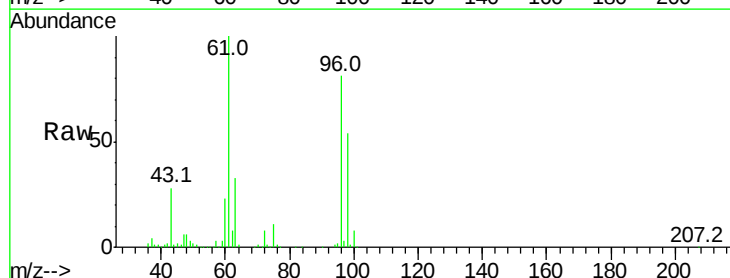
Acq: 24 Nov 2020 10:24

Tgt Ion: 43 Resp: 59309

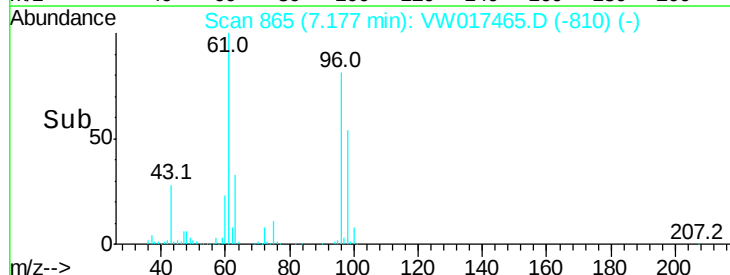
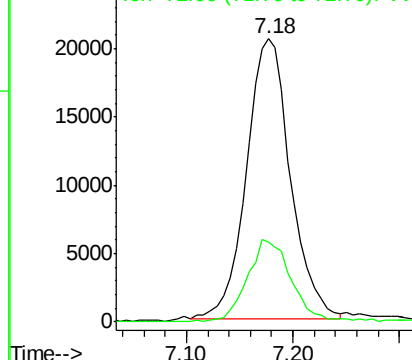
Ion Ratio Lower Upper

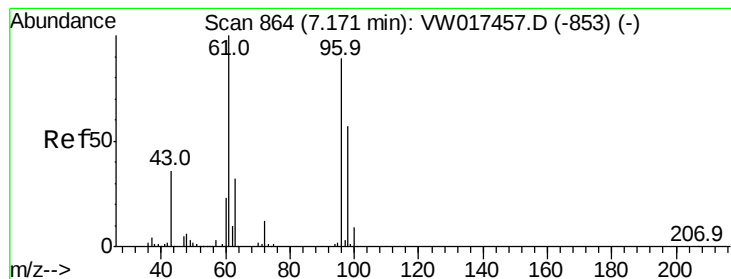
43 100

72 28.8 16.4 49.2



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





#22

cis-1,2-Dichloroethene

Concen: 26.239 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW017465.D

Acq: 24 Nov 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

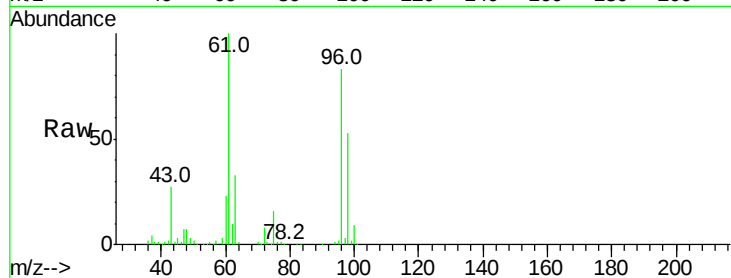
Tgt Ion: 96 Resp: 165005

Ion Ratio Lower Upper

96 100

61 120.9 79.2 147.2

98 63.8 45.1 83.9

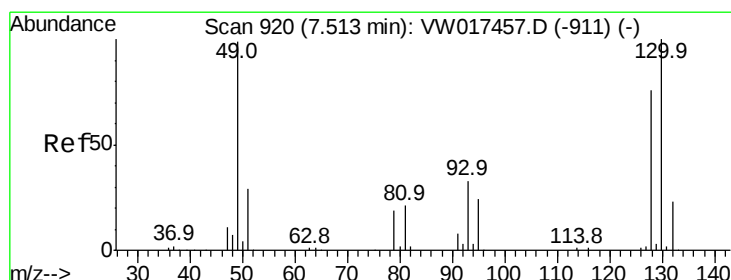
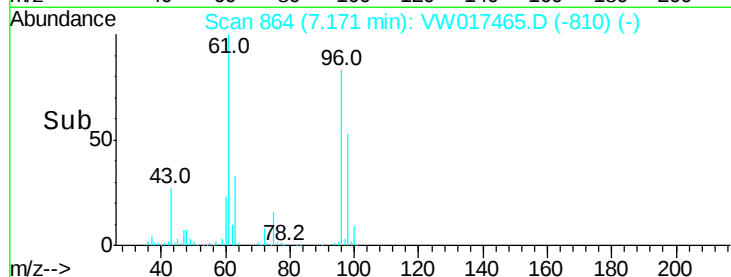
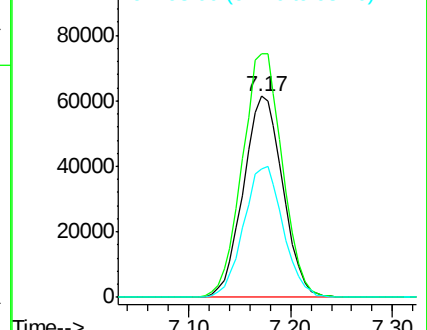


Abundance

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: 24.062 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW017465.D

Acq: 24 Nov 2020 10:24

Tgt Ion: 128 Resp: 71491

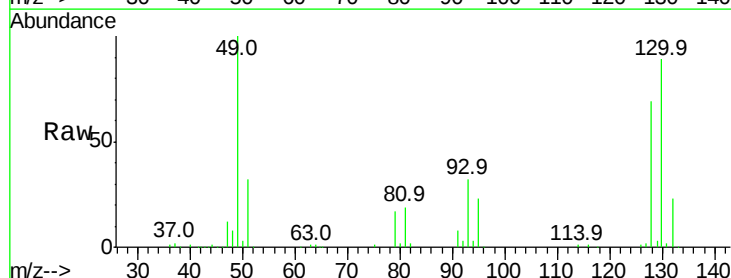
Ion Ratio Lower Upper

128 100

49 145.1 90.9 168.7

130 129.1 91.8 170.6

51 47.1 30.6 45.8#



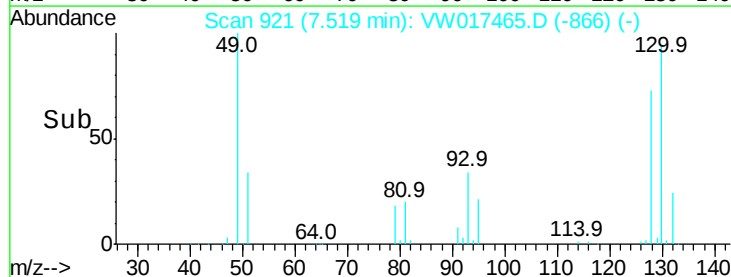
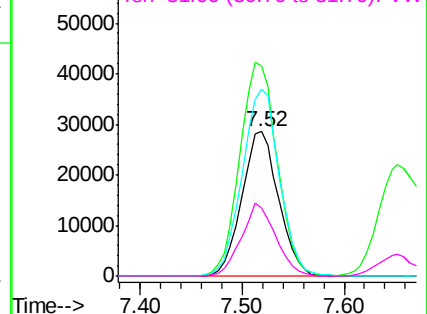
Abundance

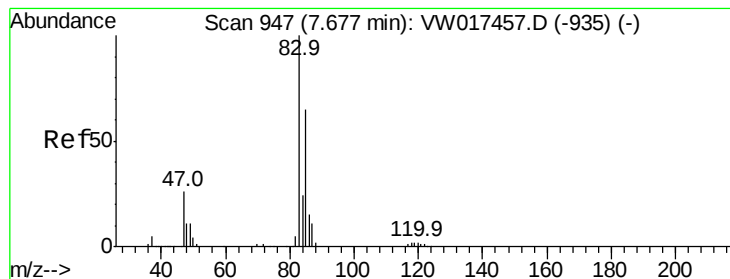
Ion 128.00 (127.70 to 128.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): VW

Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 27.294 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW017465.D

Acq: 24 Nov 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

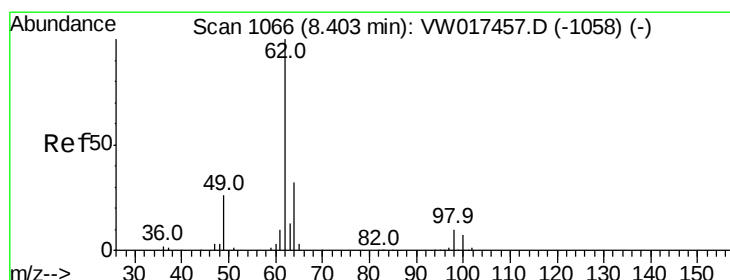
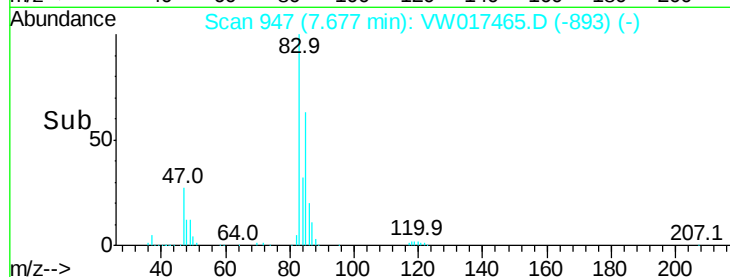
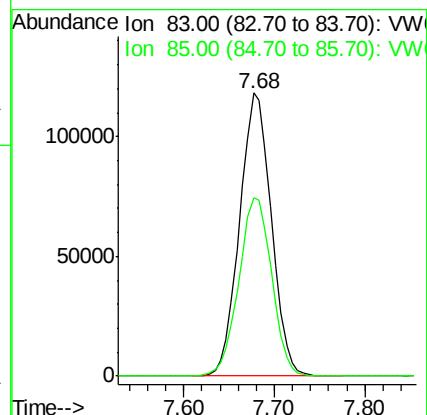
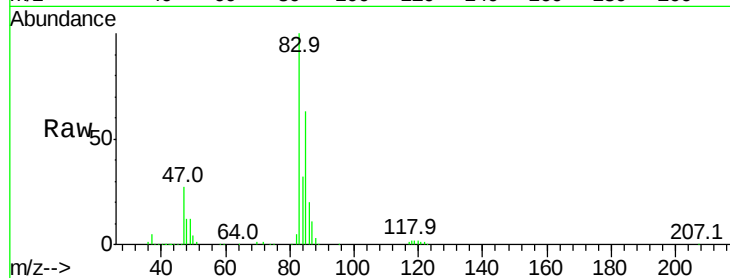
VSTD02502

Tgt Ion: 83 Resp: 287252

Ion Ratio Lower Upper

83 100

85 65.3 45.8 85.0



#27

1,2-Dichloroethane

Concen: 24.815 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW017465.D

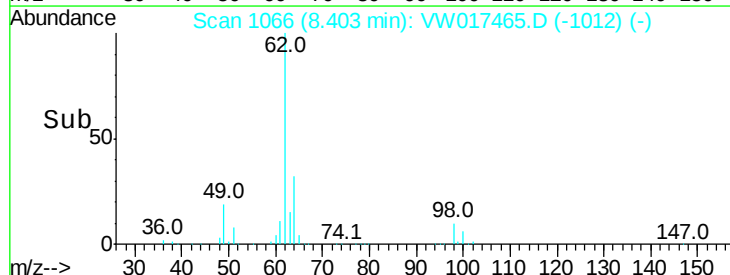
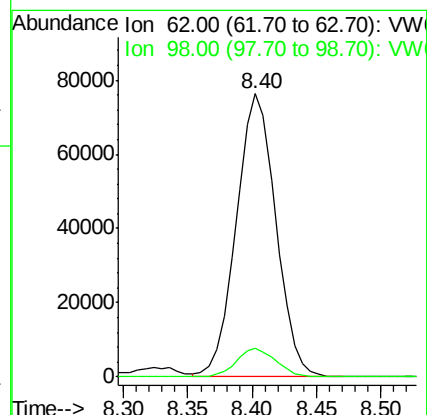
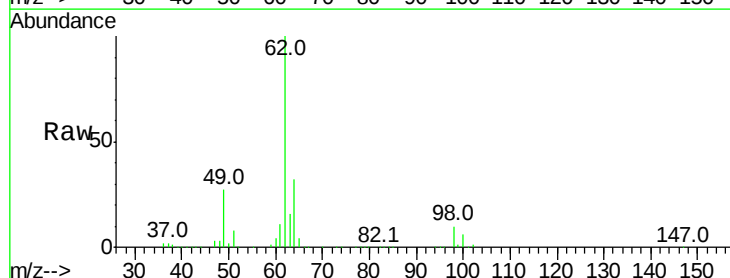
Acq: 24 Nov 2020 10:24

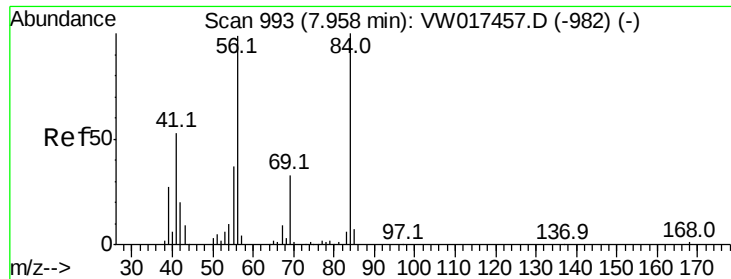
Tgt Ion: 62 Resp: 162076

Ion Ratio Lower Upper

62 100

98 10.0 8.3 12.5

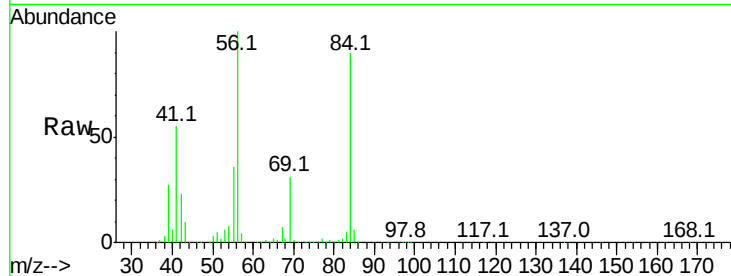




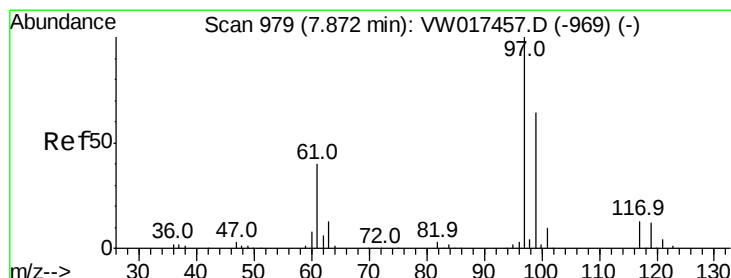
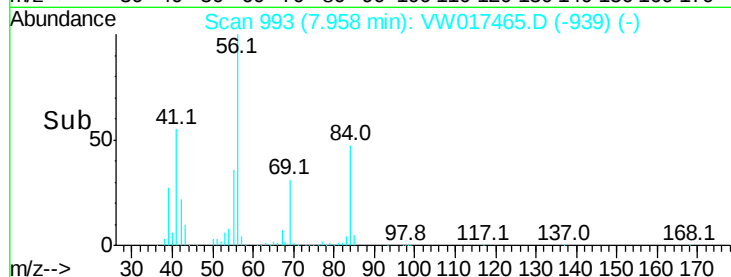
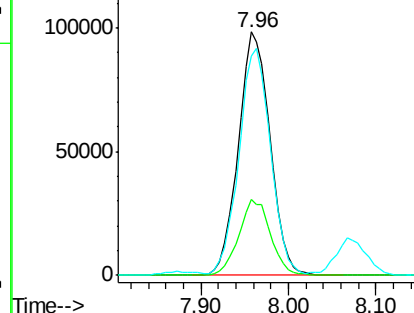
#30
Cyclohexane
Concen: 31.326 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW017465.D
Acq: 24 Nov 2020 10:24

Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

Tgt Ion: 56 Resp: 248294
Ion Ratio Lower Upper
56 100
69 31.0 25.7 38.5
84 92.8 81.2 121.8

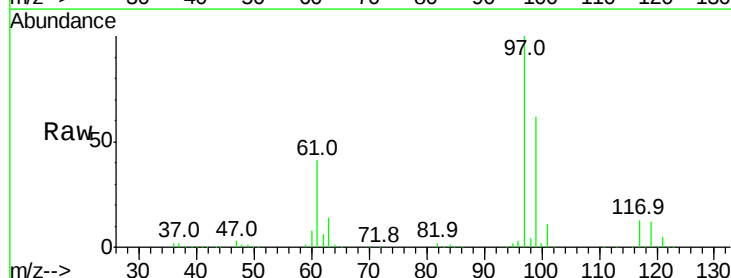


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

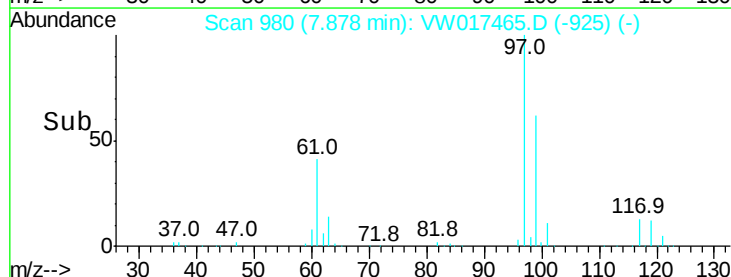
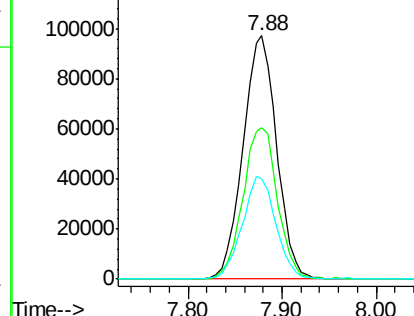


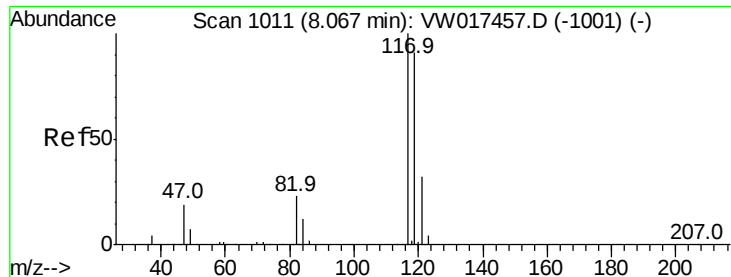
#31
1,1,1-Trichloroethane
Concen: 25.791 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW017465.D
Acq: 24 Nov 2020 10:24

Tgt Ion: 97 Resp: 242868
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.6
61 42.0 33.2 49.8



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: 25.644 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW017465.D

Acq: 24 Nov 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

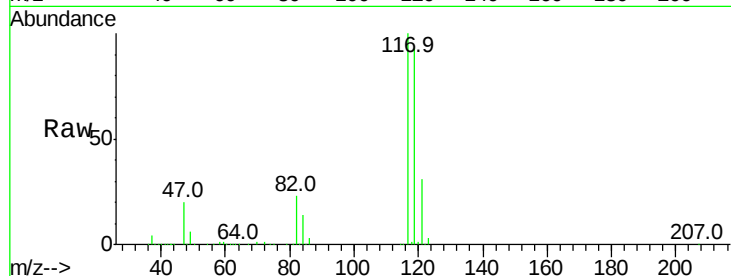
VSTD02502

Tgt Ion:117 Resp: 237035

Ion Ratio Lower Upper

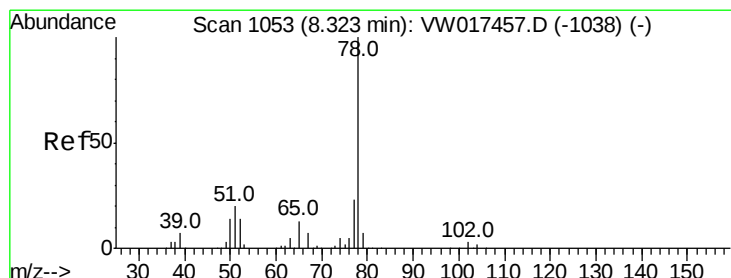
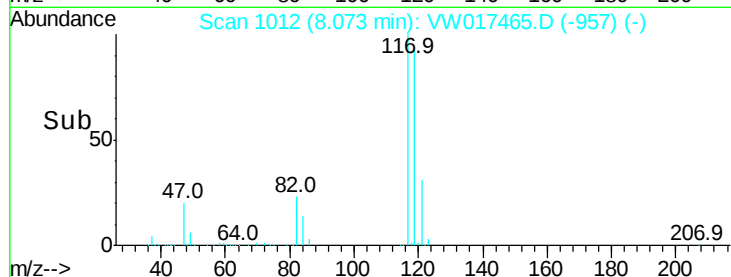
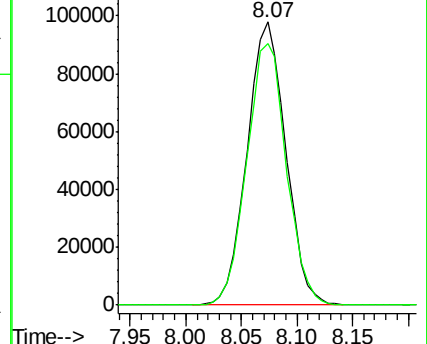
117 100

119 94.8 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.938 ug/L

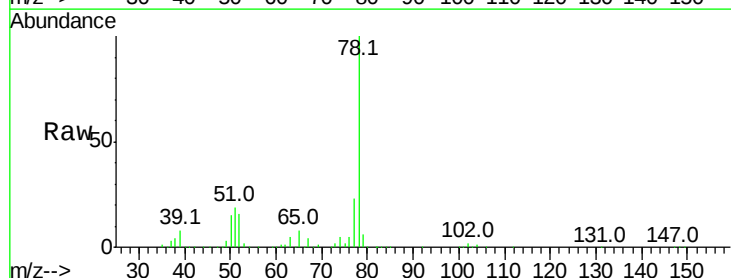
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

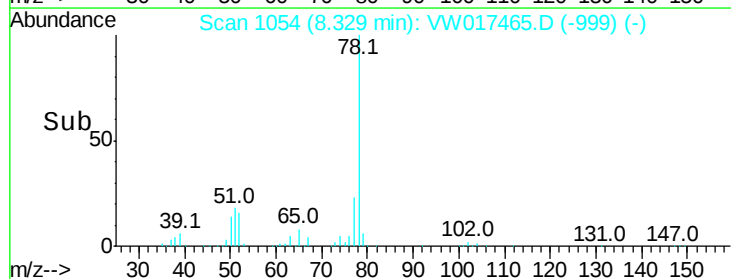
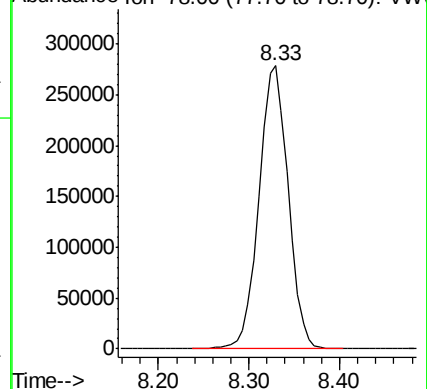
Lab File: VW017465.D

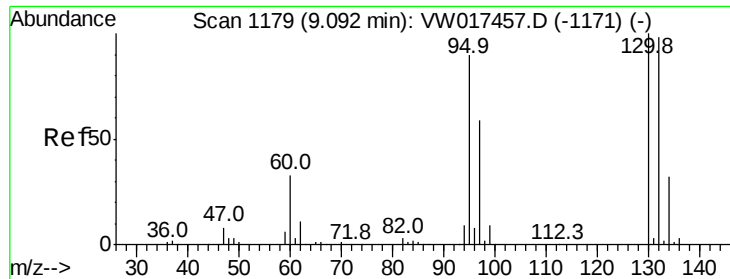
Acq: 24 Nov 2020 10:24

Tgt Ion: 78 Resp: 620088



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.997 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW017465.D

Acq: 24 Nov 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

Tgt Ion: 95 Resp: 168441

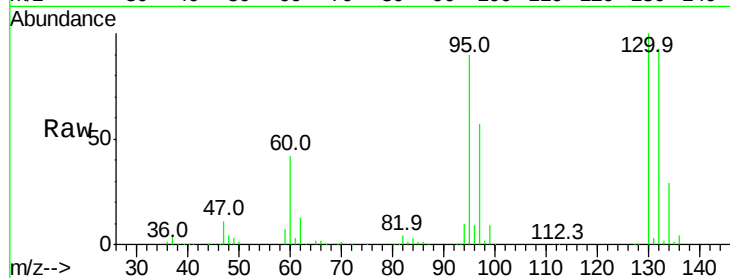
Ion Ratio Lower Upper

95 100

97 64.3 45.4 84.2

132 101.4 74.5 138.3

130 108.0 76.6 142.2

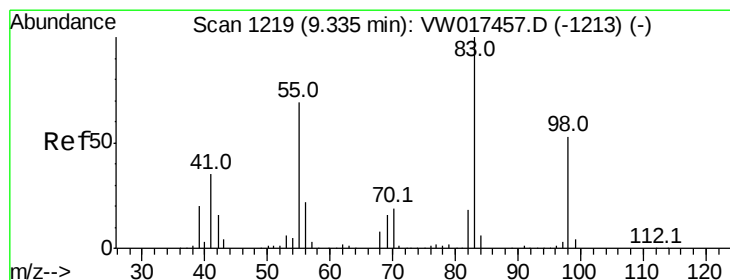
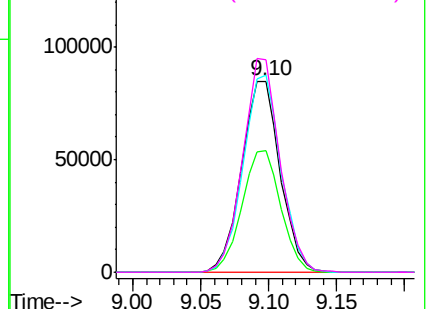
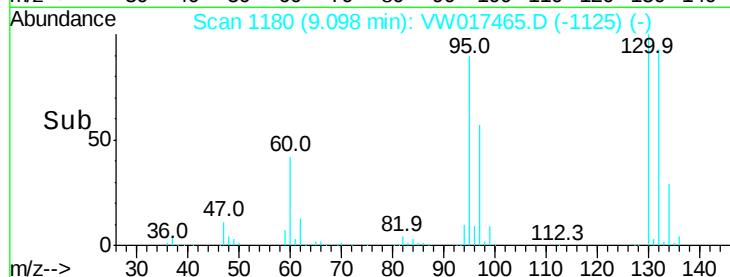


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 24.905 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW017465.D

Acq: 24 Nov 2020 10:24

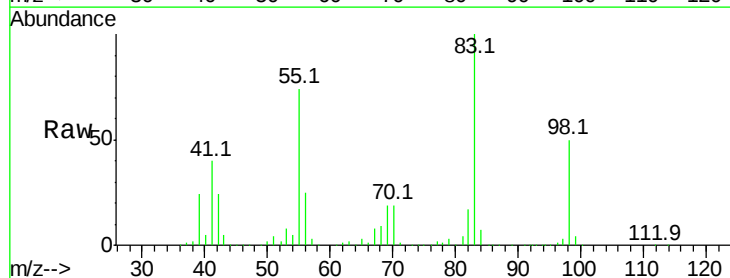
Tgt Ion: 83 Resp: 285903

Ion Ratio Lower Upper

83 100

55 74.2 53.5 80.3

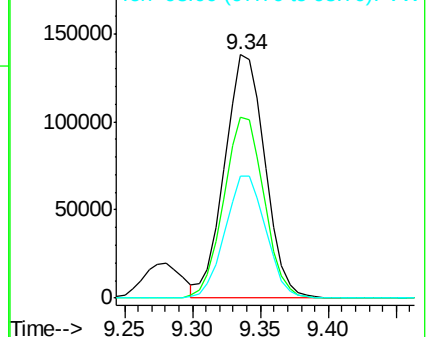
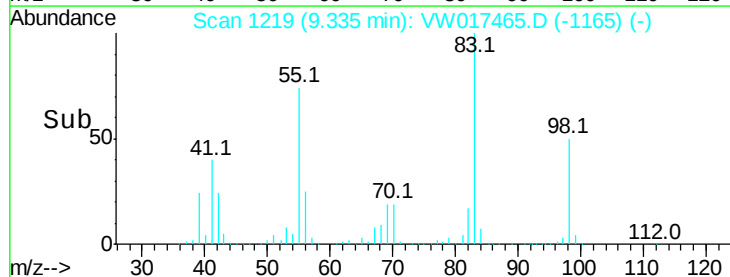
98 50.9 41.4 62.0

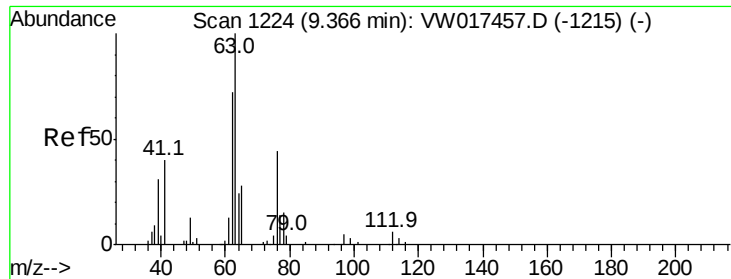


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

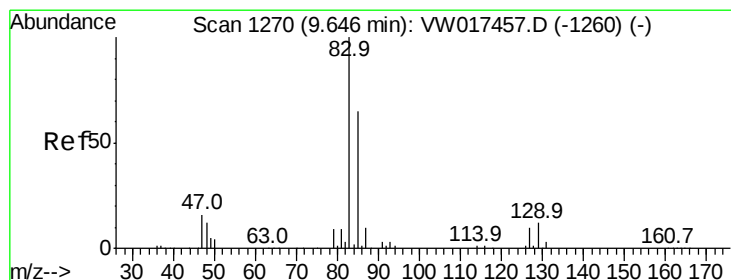
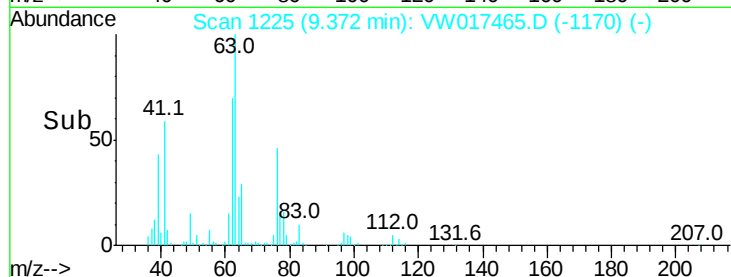
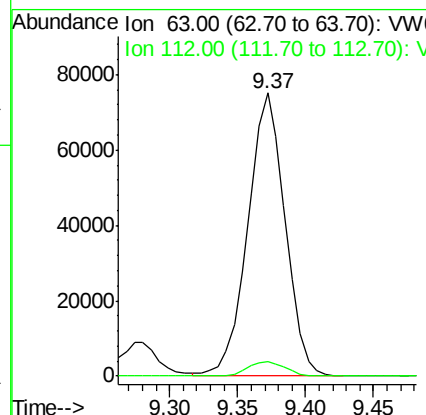
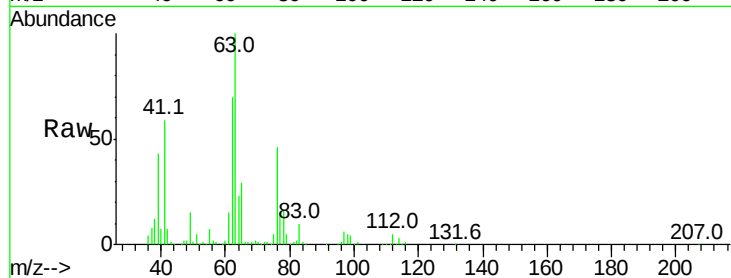




#40
 1,2-Dichloropropane
 Concen: 25.037 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW017465.D
 Acq: 24 Nov 2020 10:24

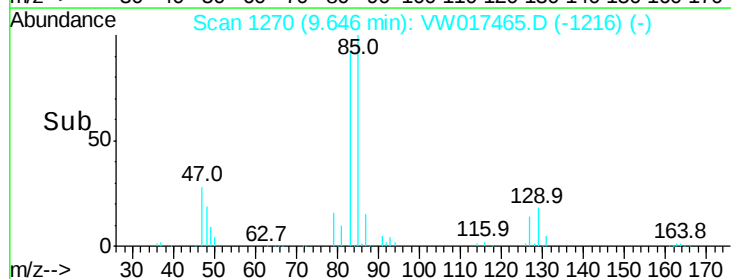
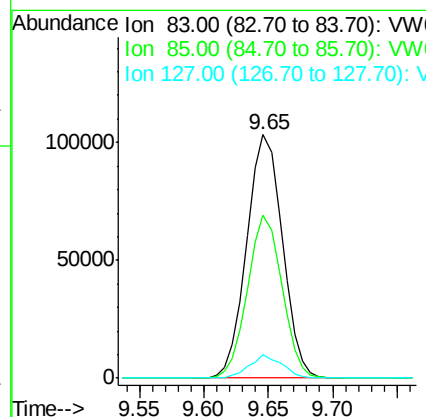
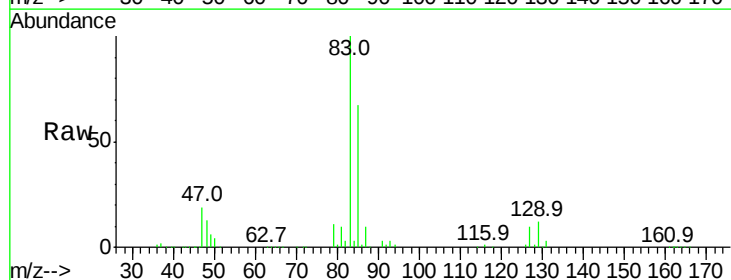
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

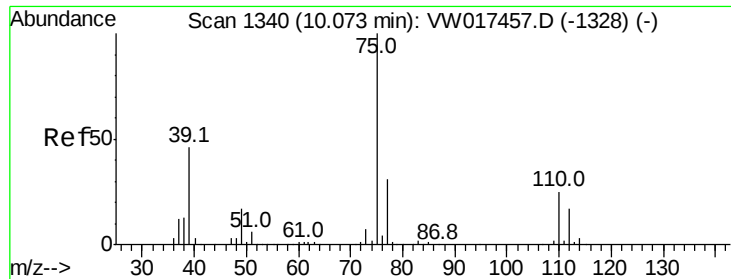
Tgt Ion: 63 Resp: 144647
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.4 6.6



#41
 Bromodichloromethane
 Concen: 24.598 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017465.D
 Acq: 24 Nov 2020 10:24

Tgt Ion: 83 Resp: 198403
 Ion Ratio Lower Upper
 83 100
 85 66.8 45.4 84.2
 127 9.5 7.6 11.4

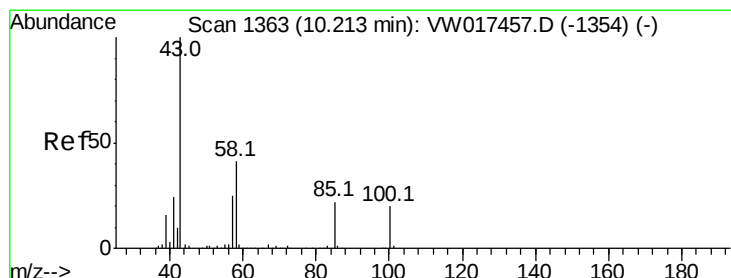
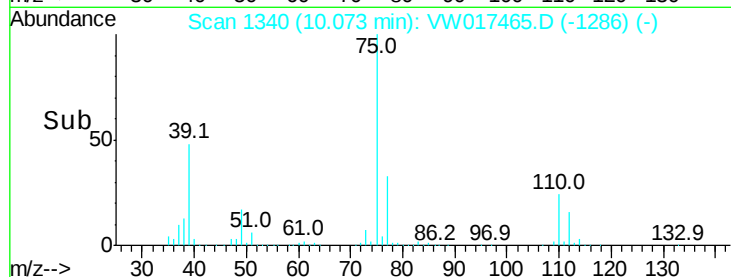
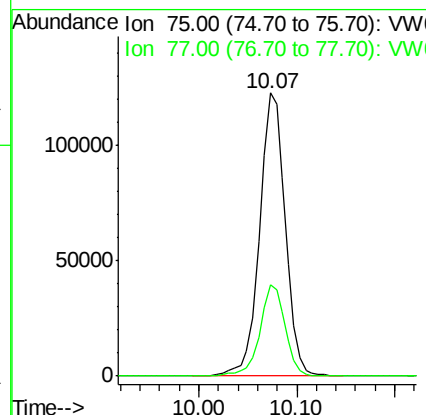
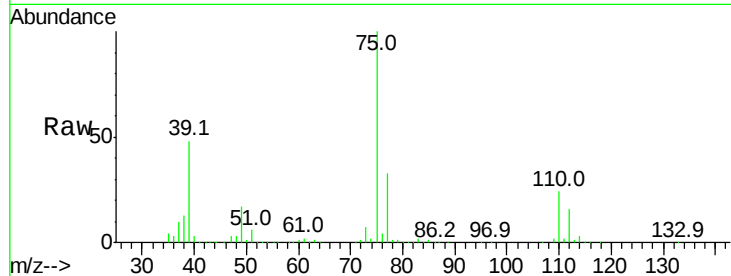




#42
 cis-1,3-Dichloropropene
 Concen: 24.353 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW017465.D
 Acq: 24 Nov 2020 10:24

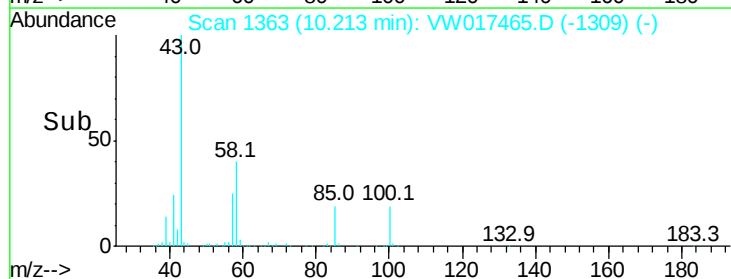
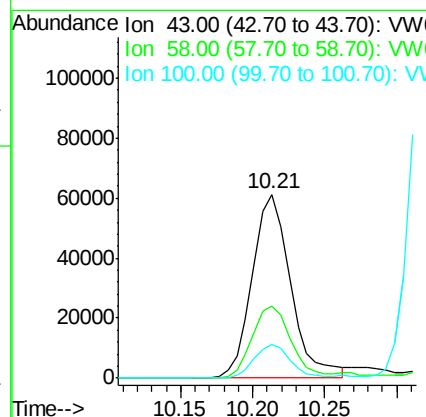
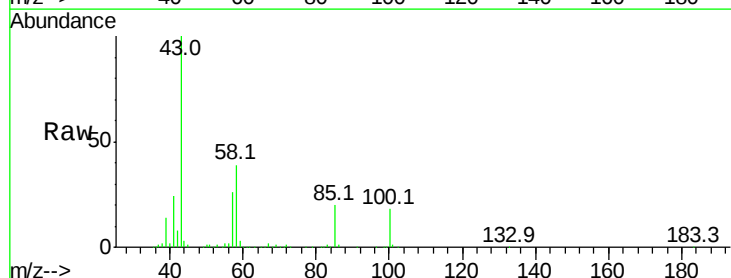
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02502

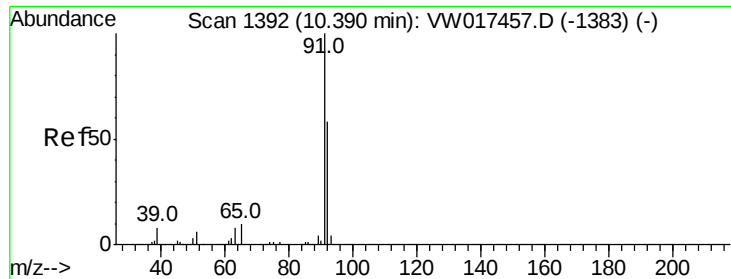
Tgt Ion: 75 Resp: 224629
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.0 41.0



#43
 4-Methyl-2-pentanone
 Concen: 40.316 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW017465.D
 Acq: 24 Nov 2020 10:24

Tgt Ion: 43 Resp: 113699
 Ion Ratio Lower Upper
 43 100
 58 39.5 32.9 49.3
 100 17.6 16.3 24.5





#44

Toluene

Concen: 23.986 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017465.D

Acq: 24 Nov 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

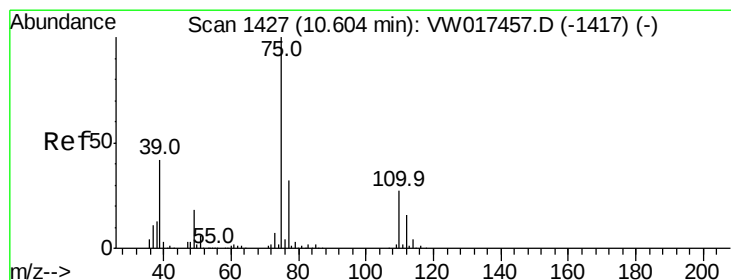
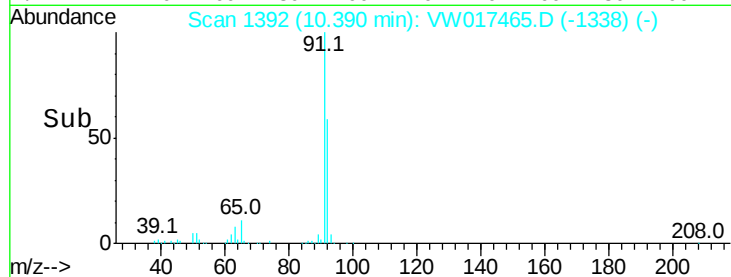
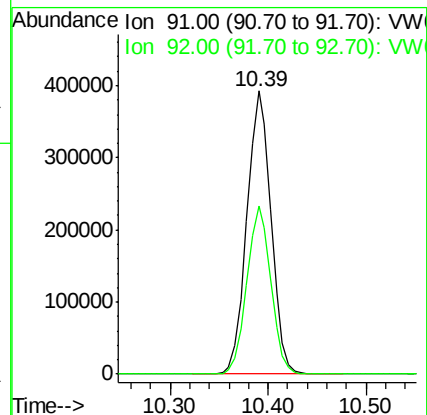
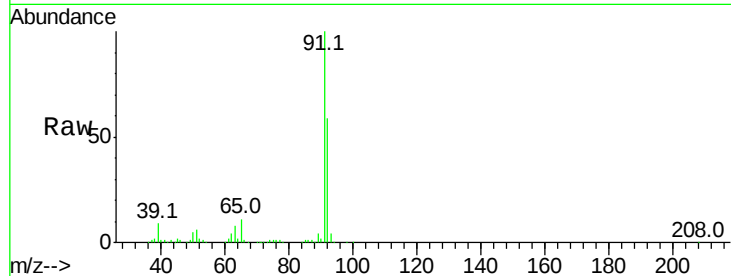
VSTD02502

Tgt Ion: 91 Resp: 671216

Ion Ratio Lower Upper

91 100

92 59.5 40.7 75.5



#45

trans-1,3-Dichloropropene

Concen: 23.292 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW017465.D

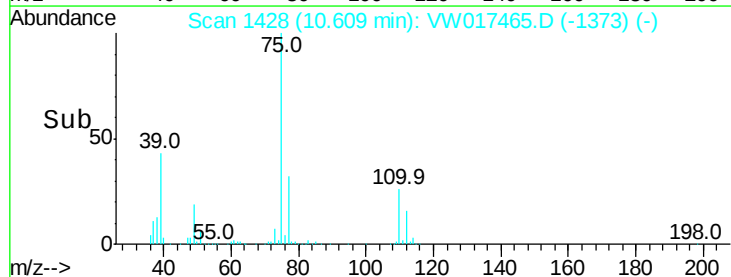
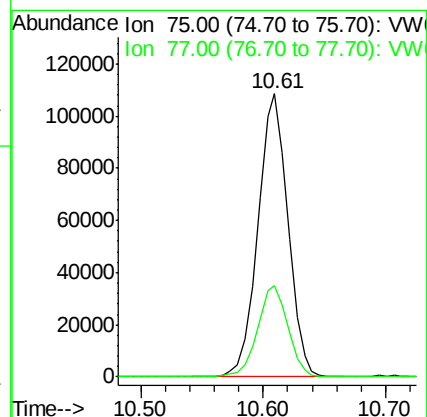
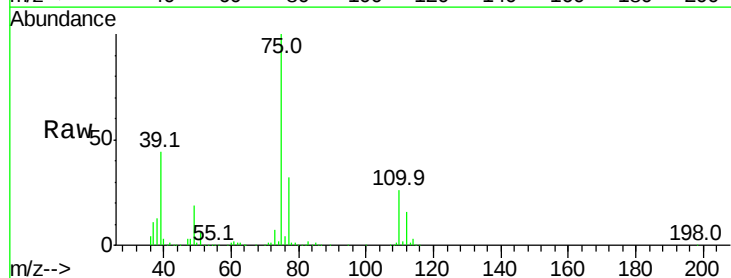
Acq: 24 Nov 2020 10:24

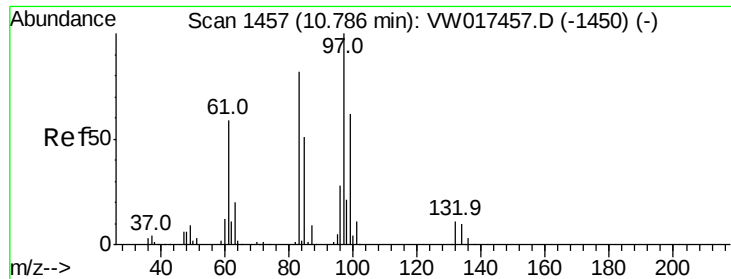
Tgt Ion: 75 Resp: 186050

Ion Ratio Lower Upper

75 100

77 32.3 22.4 41.6

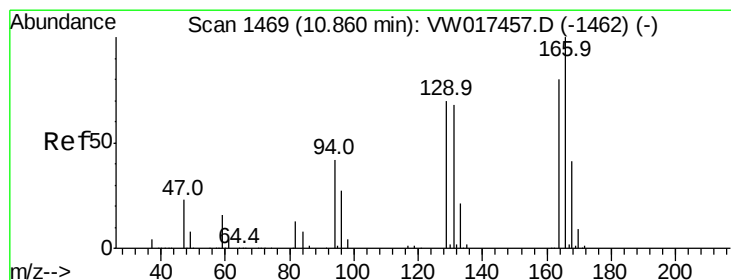
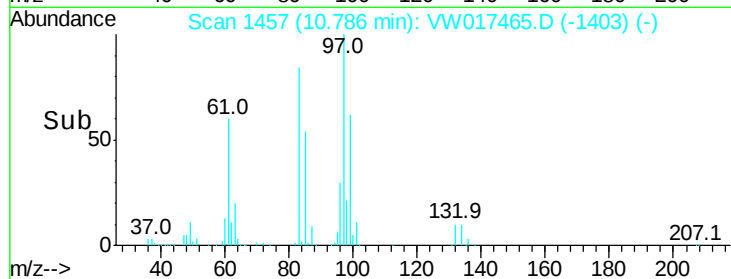
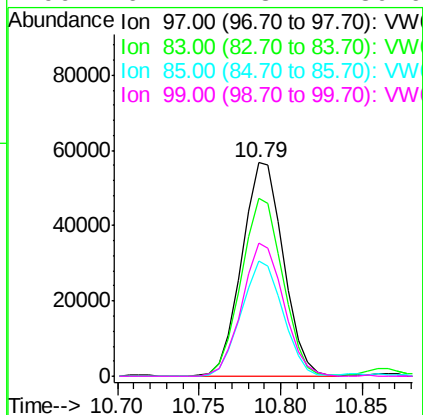
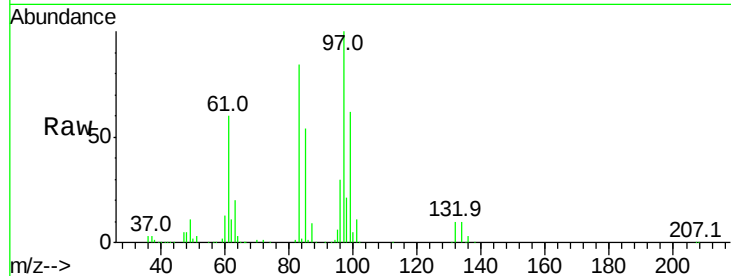




#46
 1,1,2-Trichloroethane
 Concen: 20.335 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW017465.D
 Acq: 24 Nov 2020 10:24

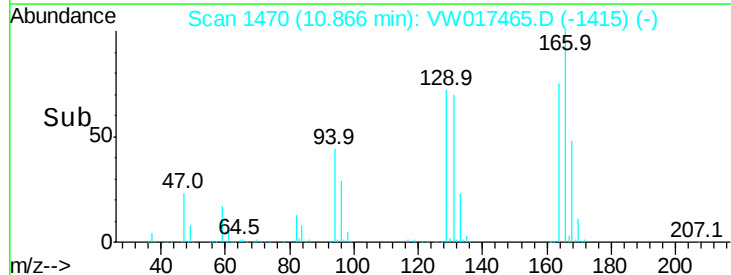
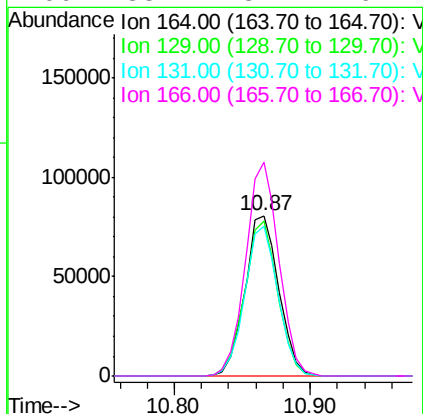
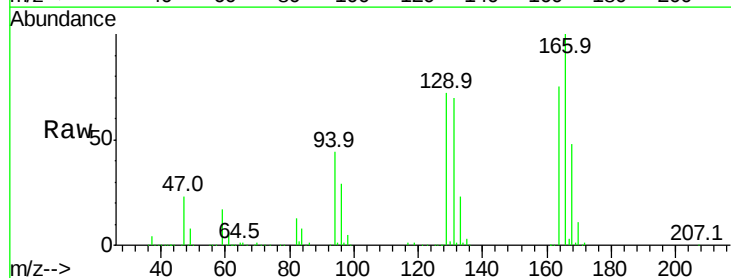
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

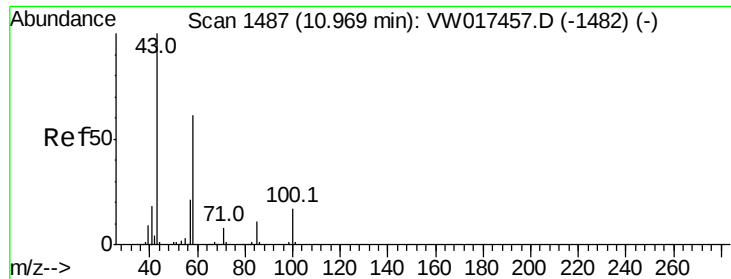
Tgt Ion:	97	Resp:	100576
Ion	Ratio	Lower	Upper
97	100		
83	83.6	57.3	106.3
85	54.0	35.9	66.7
99	62.4	43.4	80.6



#47
 Tetrachloroethene
 Concen: 20.943 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: VW017465.D
 Acq: 24 Nov 2020 10:24

Tgt Ion:	164	Resp:	141077
Ion	Ratio	Lower	Upper
164	100		
129	96.6	61.4	114.0
131	93.2	59.1	109.7
166	133.2	87.4	162.4





#49

2-Hexanone

Concen: 37.105 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017465.D

Acq: 24 Nov 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

Tgt Ion: 43 Resp: 72760

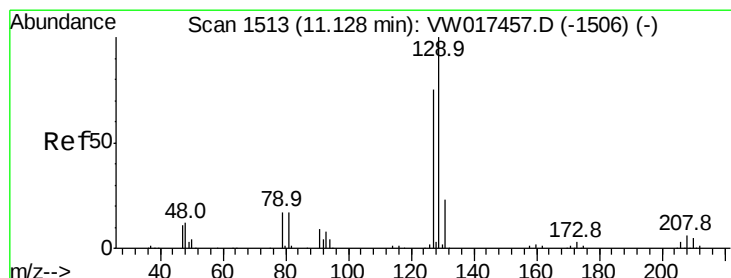
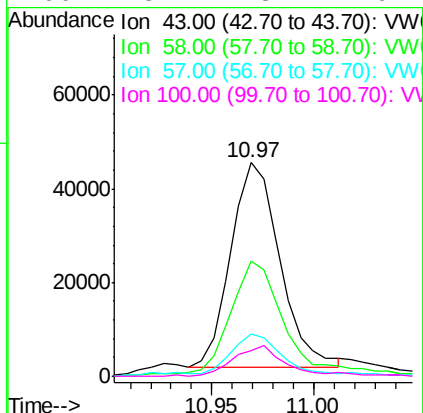
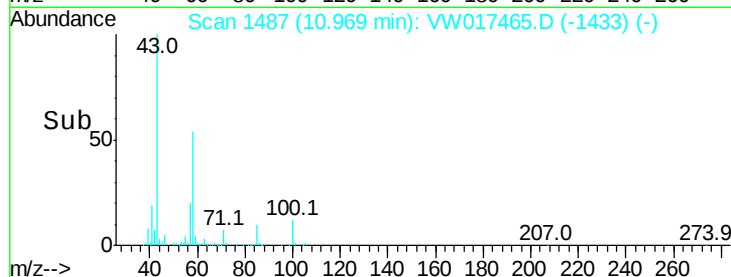
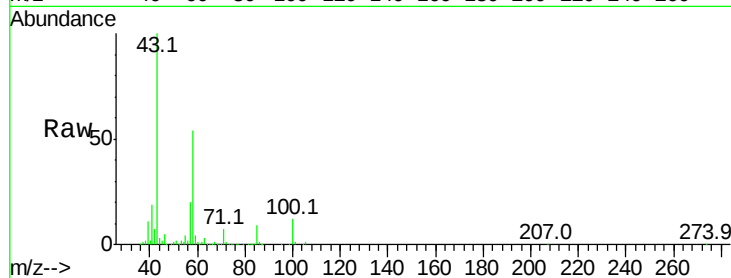
Ion Ratio Lower Upper

43 100

58 64.1 49.4 74.2

57 18.8 17.2 25.8

100 15.2 13.4 20.2



#50

Dibromochloromethane

Concen: 21.399 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW017465.D

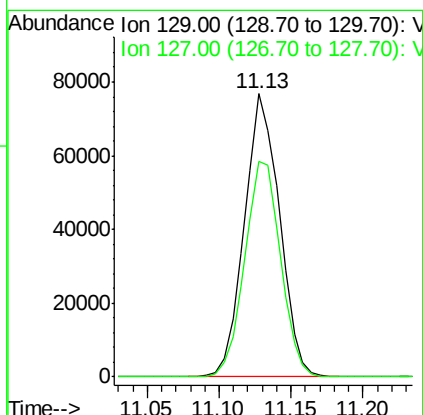
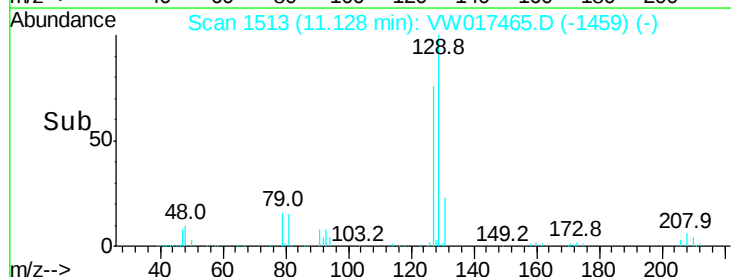
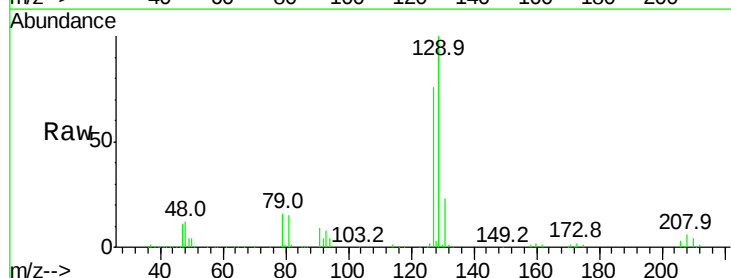
Acq: 24 Nov 2020 10:24

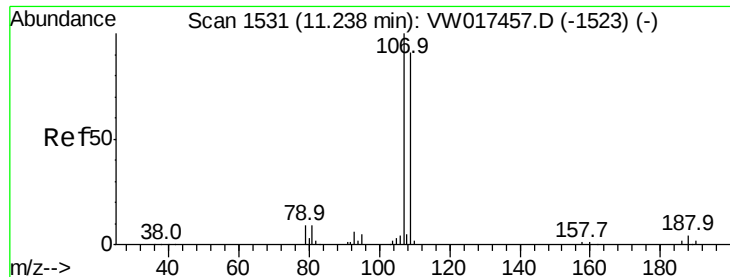
Tgt Ion: 129 Resp: 129394

Ion Ratio Lower Upper

129 100

127 76.0 52.3 97.1

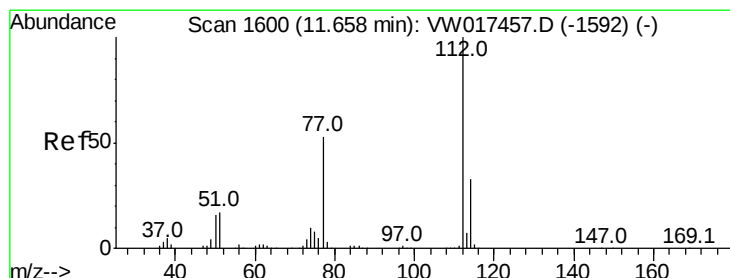
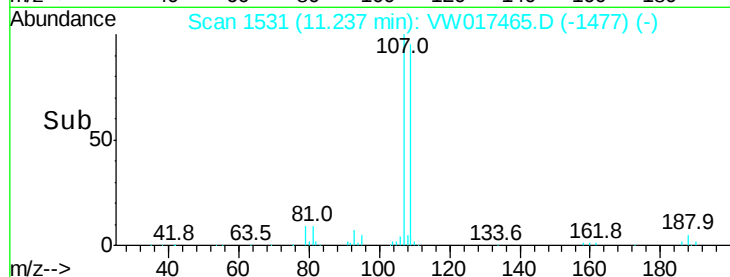
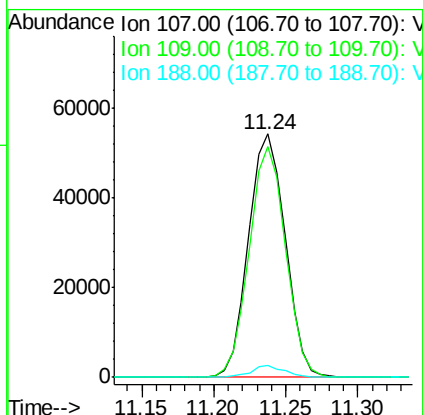
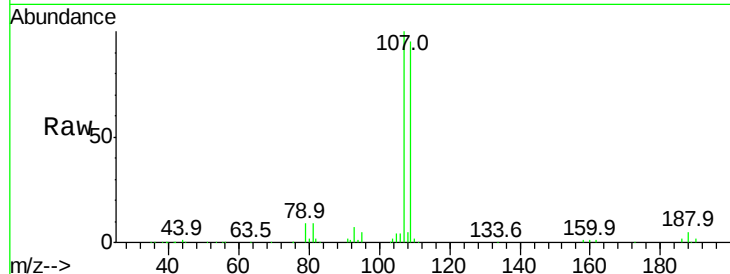




#51
1,2-Dibromoethane
Concen: 21.189 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW017465.D
Acq: 24 Nov 2020 10:24

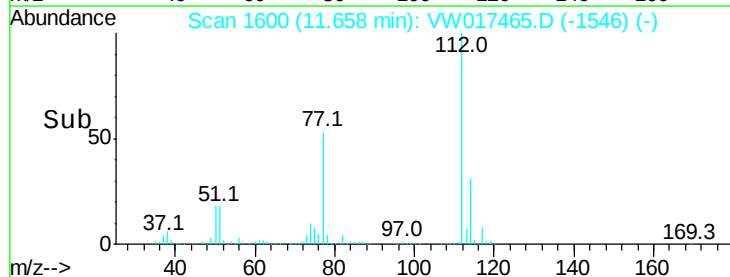
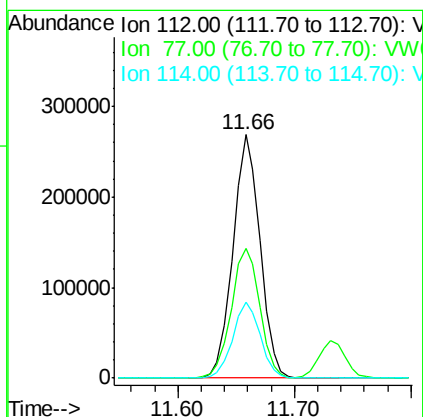
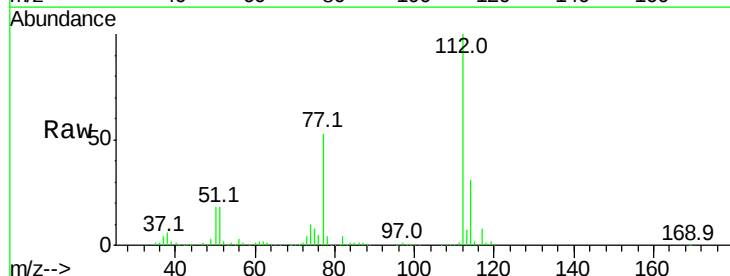
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

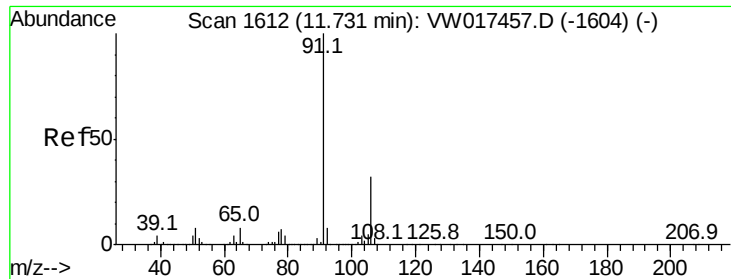
Tgt Ion:107 Resp: 96084
Ion Ratio Lower Upper
107 100
109 94.8 63.8 118.6
188 5.0 3.1 4.7#



#52
Chlorobenzene
Concen: 23.981 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017465.D
Acq: 24 Nov 2020 10:24

Tgt Ion:112 Resp: 434700
Ion Ratio Lower Upper
112 100
77 53.3 42.6 63.8
114 30.9 23.4 43.6





#53

Ethylbenzene

Concen: 24.925 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017465.D

Acq: 24 Nov 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

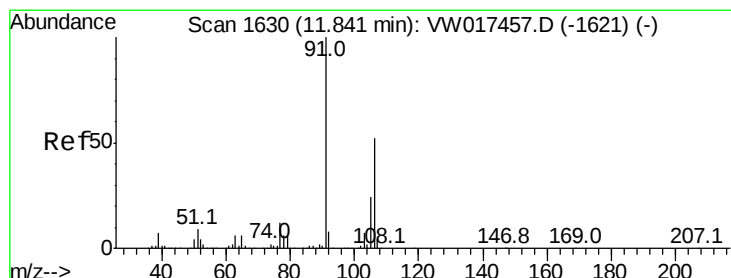
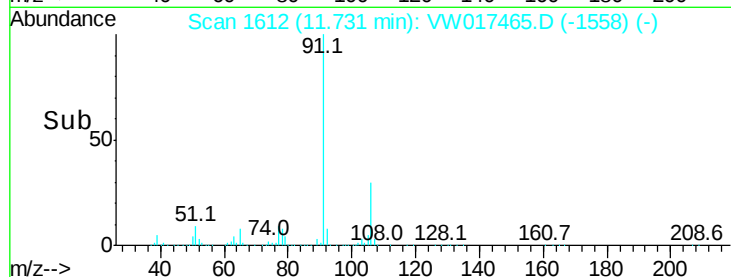
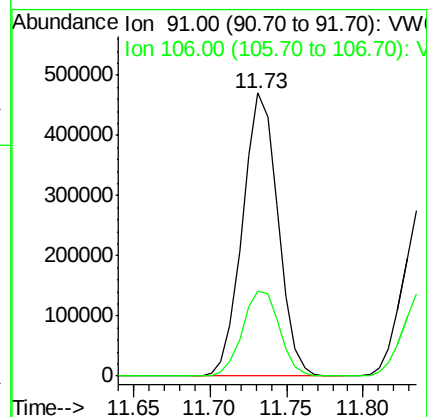
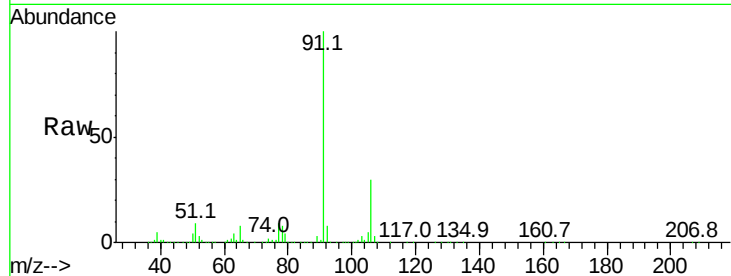
VSTD02502

Tgt Ion: 91 Resp: 757048

Ion Ratio Lower Upper

91 100

106 30.1 22.3 41.5



#54

m,p-Xylene

Concen: 24.660 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017465.D

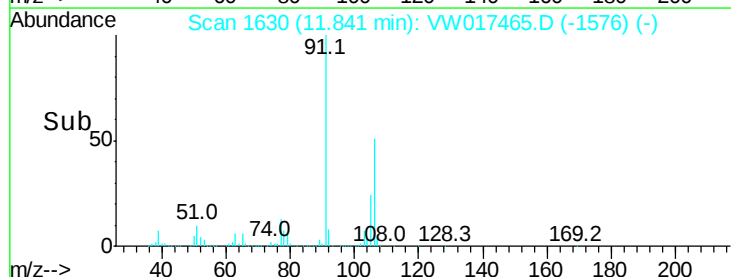
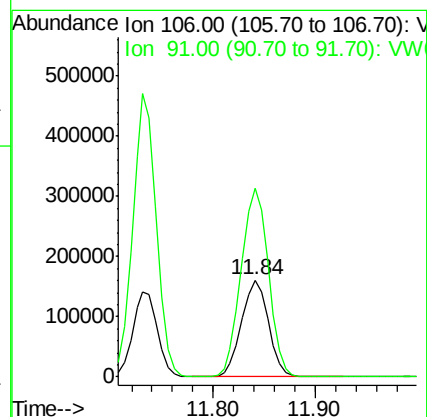
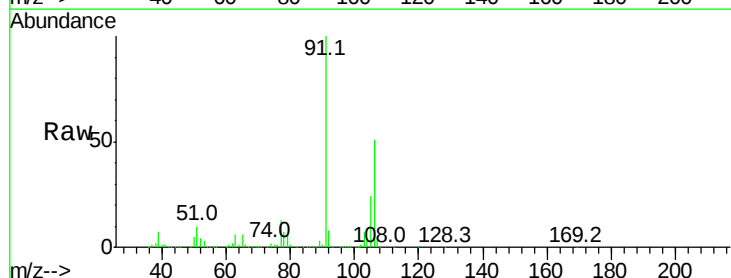
Acq: 24 Nov 2020 10:24

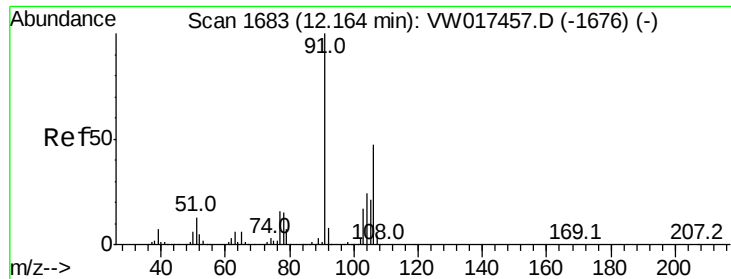
Tgt Ion: 106 Resp: 293105

Ion Ratio Lower Upper

106 100

91 194.9 135.0 250.6

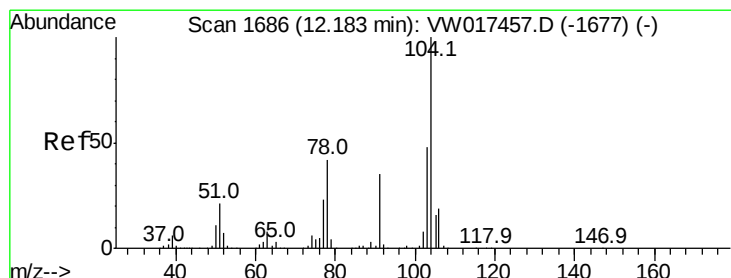
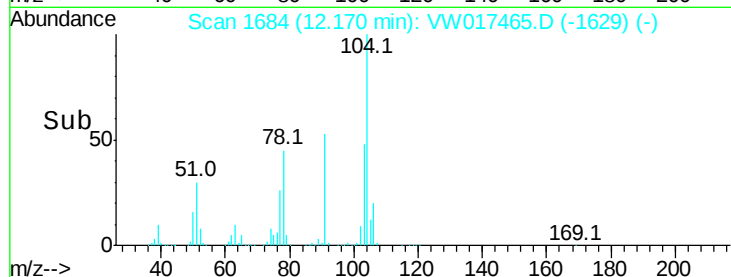
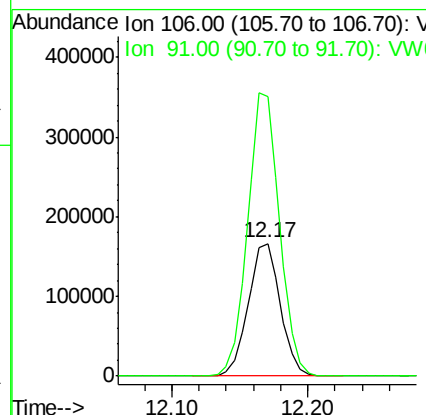
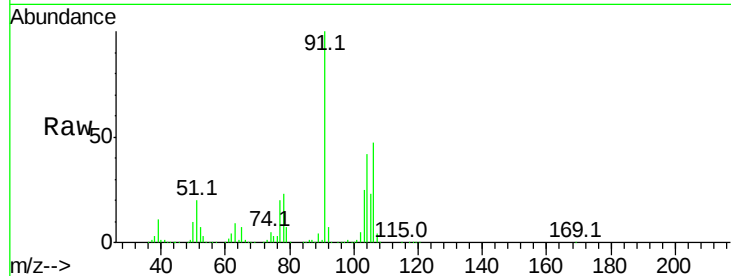




#55
o-xylene
Concen: 23.745 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW017465.D
Acq: 24 Nov 2020 10:24

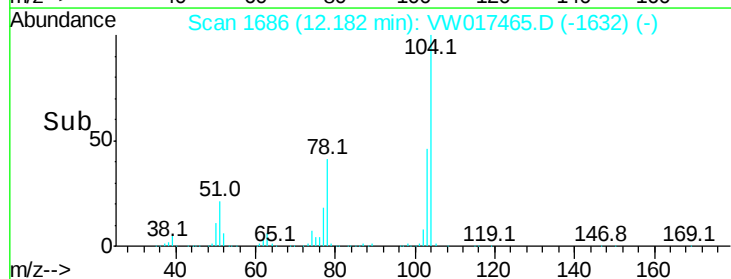
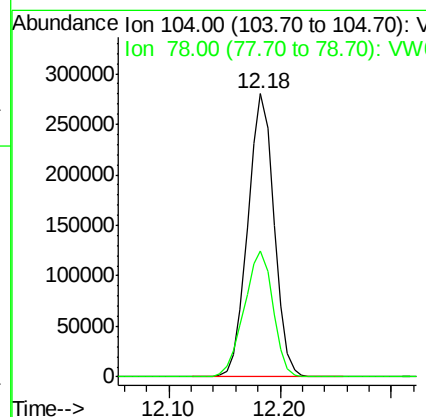
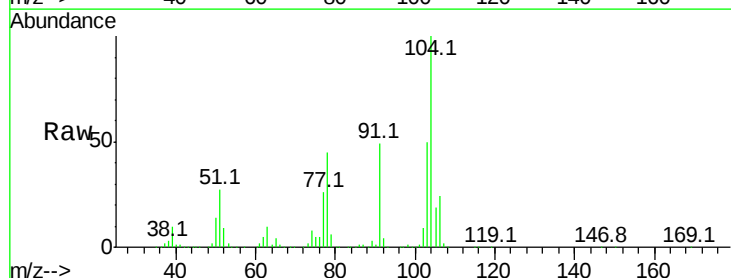
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

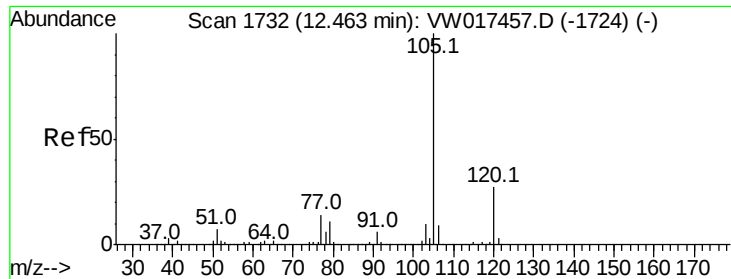
Tgt Ion:106 Resp: 273871
Ion Ratio Lower Upper
106 100
91 210.9 147.6 274.2



#56
Styrene
Concen: 23.388 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017465.D
Acq: 24 Nov 2020 10:24

Tgt Ion:104 Resp: 459203
Ion Ratio Lower Upper
104 100
78 44.7 29.0 53.9





#57

Isopropylbenzene

Concen: 23.869 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017465.D

Acq: 24 Nov 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

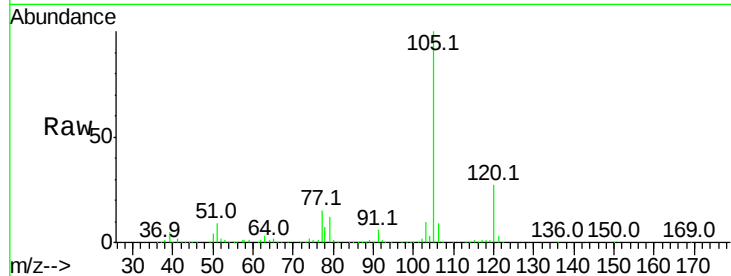
Tgt Ion:105 Resp: 766777

Ion Ratio Lower Upper

105 100

120 26.8 22.0 33.0

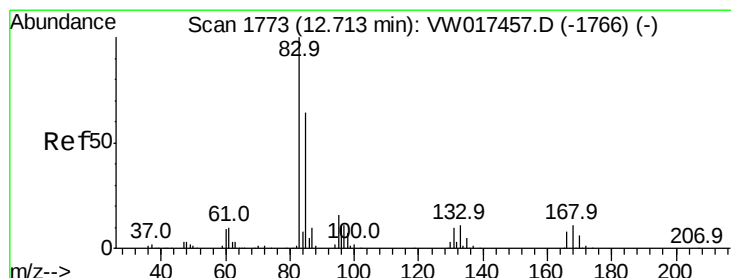
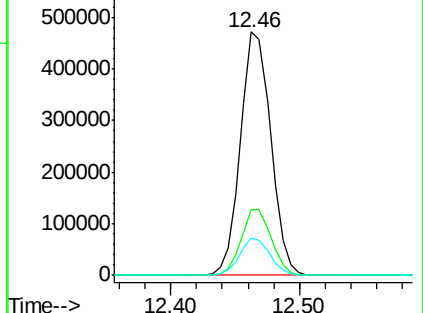
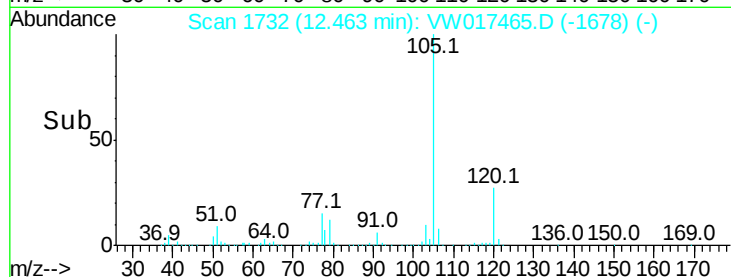
77 15.1 10.9 16.3



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: 19.630 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017465.D

Acq: 24 Nov 2020 10:24

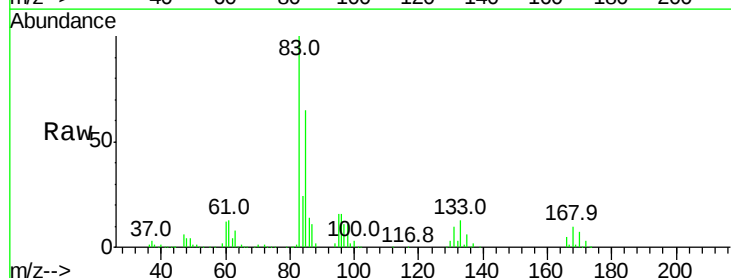
Tgt Ion: 83 Resp: 104015

Ion Ratio Lower Upper

83 100

85 64.7 44.7 82.9

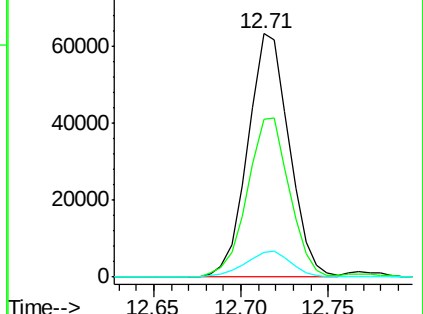
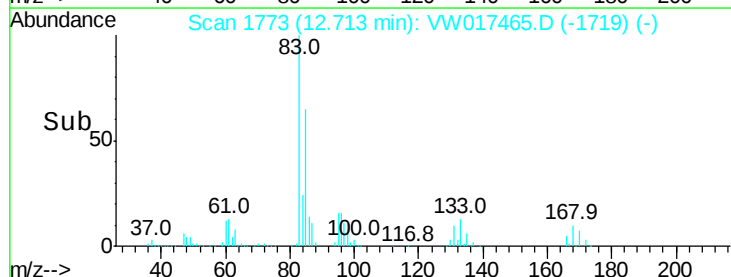
131 10.4 8.3 12.5

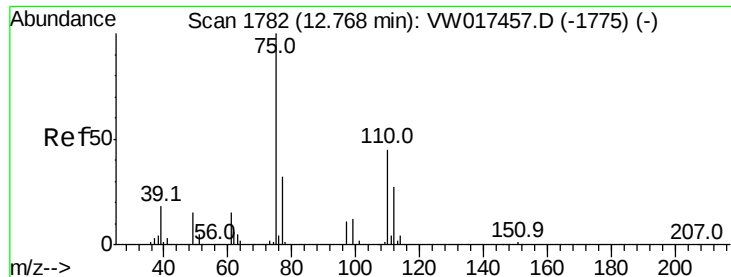


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 19.964 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW017465.D

Acq: 24 Nov 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

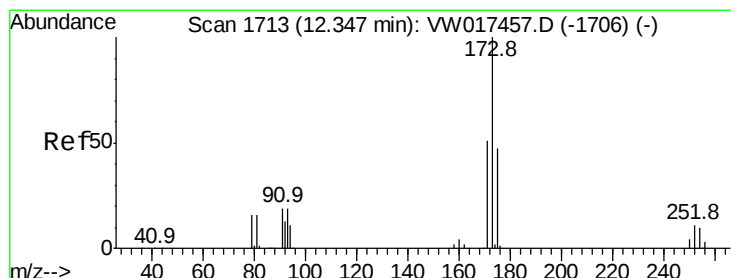
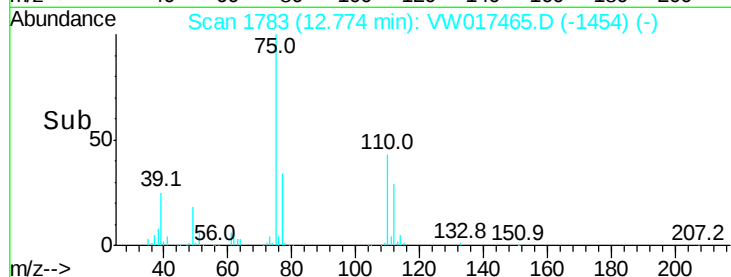
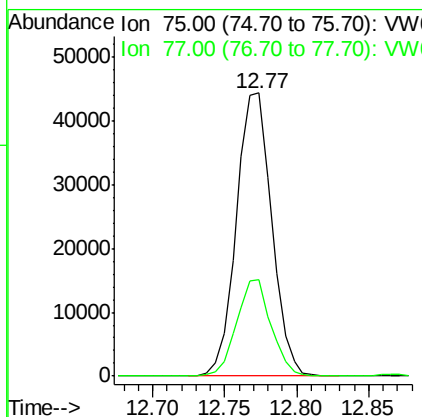
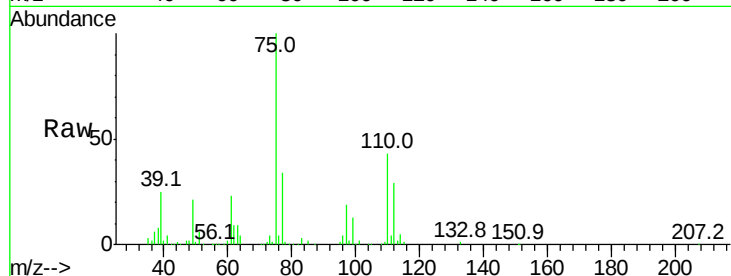
VSTD02502

Tgt Ion: 75 Resp: 75626

Ion Ratio Lower Upper

75 100

77 33.2 26.2 39.4



#62

Bromoform

Concen: 21.275 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW017465.D

Acq: 24 Nov 2020 10:24

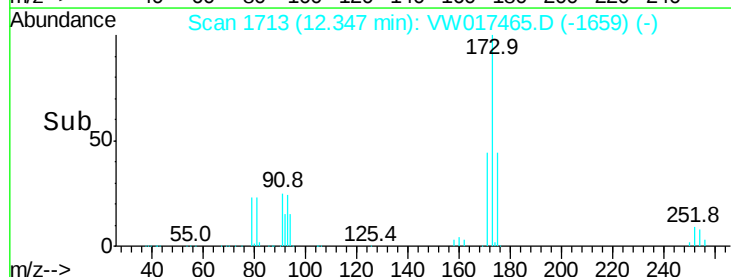
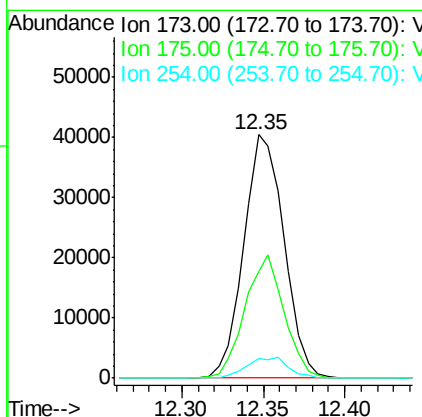
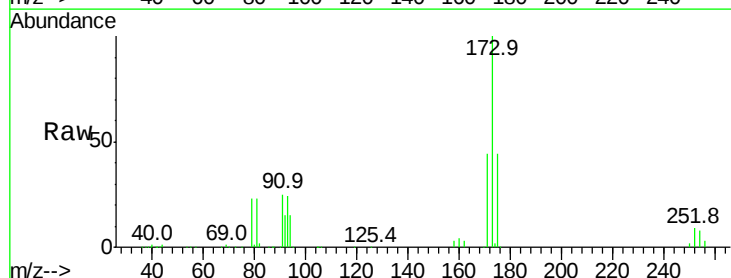
Tgt Ion: 173 Resp: 69518

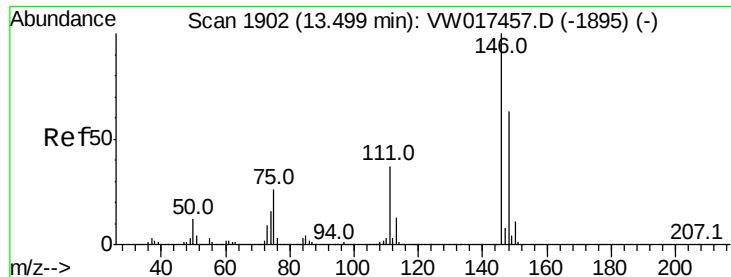
Ion Ratio Lower Upper

173 100

175 48.9 39.0 58.6

254 8.9 8.6 12.8

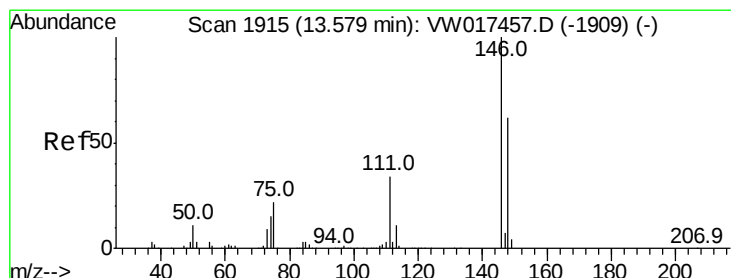
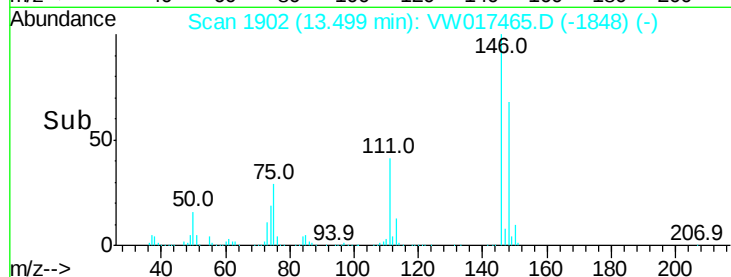
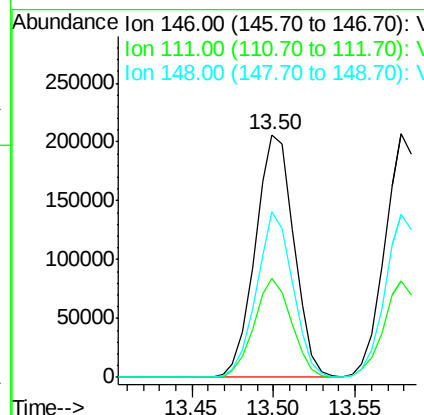
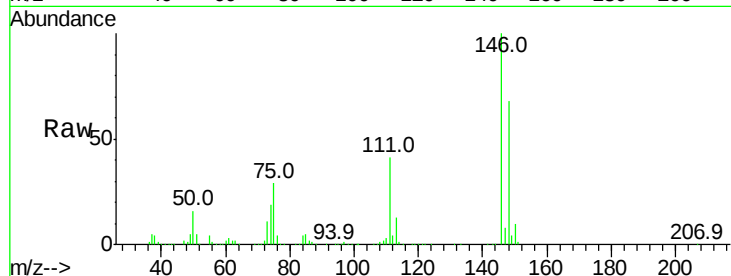




#63
 1,3-Dichlorobenzene
 Concen: 24.099 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017465.D
 Acq: 24 Nov 2020 10:24

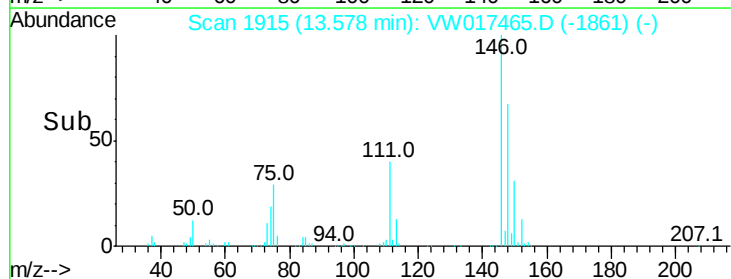
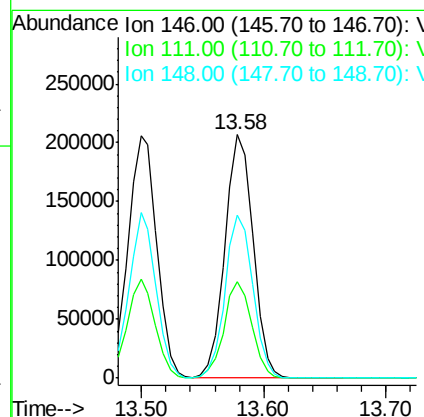
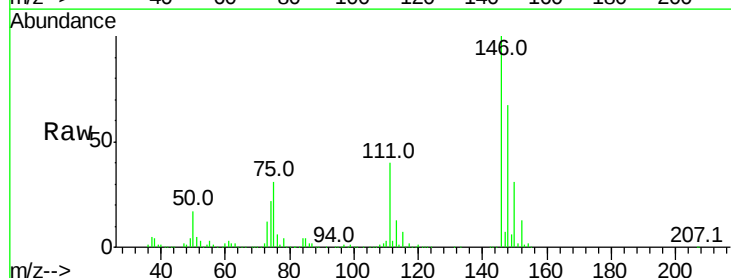
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02502

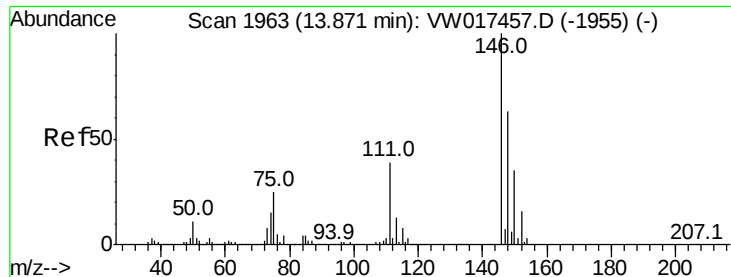
Tgt Ion:146 Resp: 339977
 Ion Ratio Lower Upper
 146 100
 111 40.7 26.0 48.4
 148 68.3 43.8 81.4



#64
 1,4-Dichlorobenzene
 Concen: 23.270 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017465.D
 Acq: 24 Nov 2020 10:24

Tgt Ion:146 Resp: 330289
 Ion Ratio Lower Upper
 146 100
 111 39.6 24.2 45.0
 148 67.1 43.2 80.2

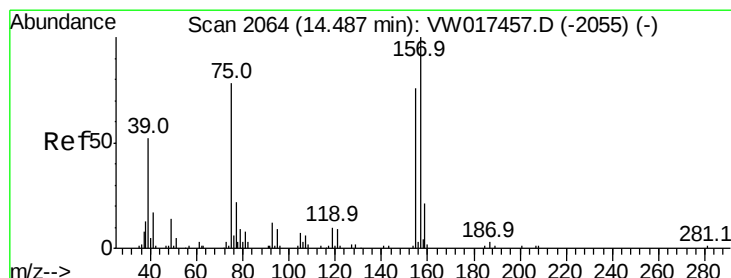
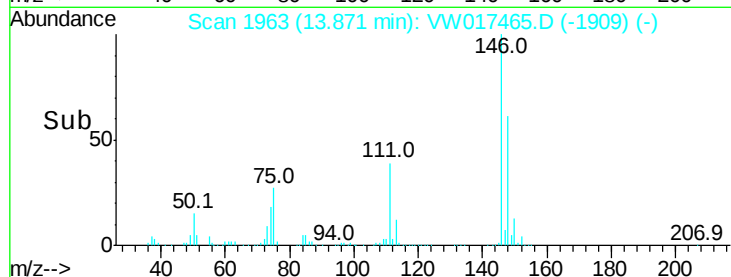
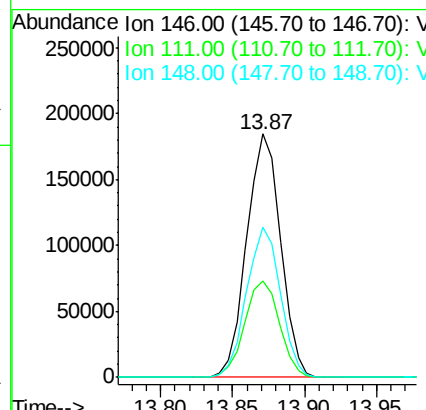
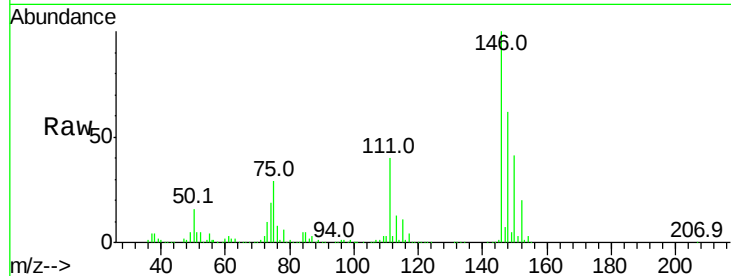




#65
 1,2-Dichlorobenzene
 Concen: 23.768 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017465.D
 Acq: 24 Nov 2020 10:24

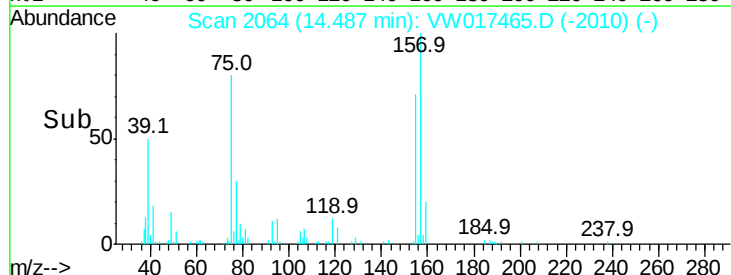
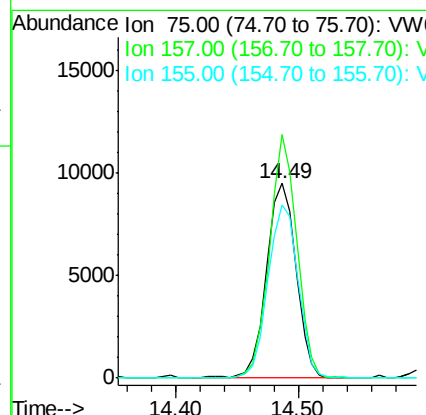
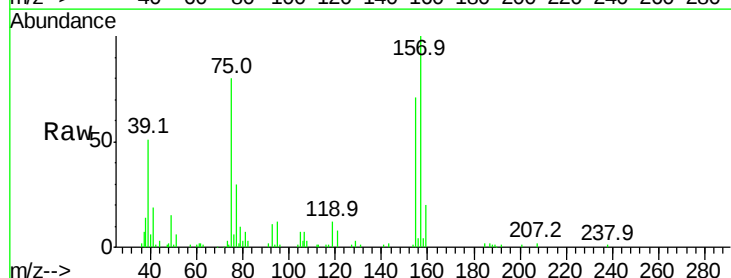
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

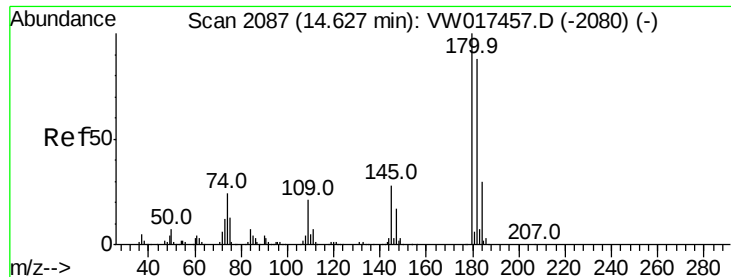
Tgt Ion:146 Resp: 300765
 Ion Ratio Lower Upper
 146 100
 111 39.6 30.9 46.3
 148 61.6 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.679 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW017465.D
 Acq: 24 Nov 2020 10:24

Tgt Ion: 75 Resp: 16089
 Ion Ratio Lower Upper
 75 100
 157 124.9 102.8 154.2
 155 89.2 77.7 116.5

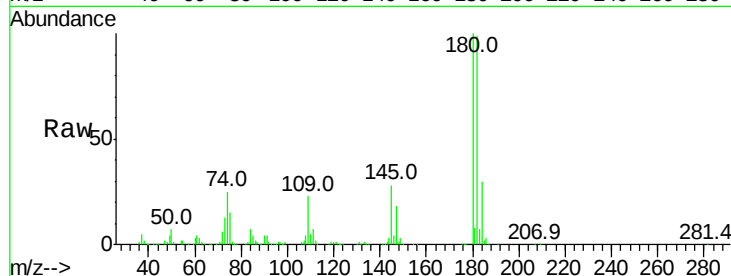




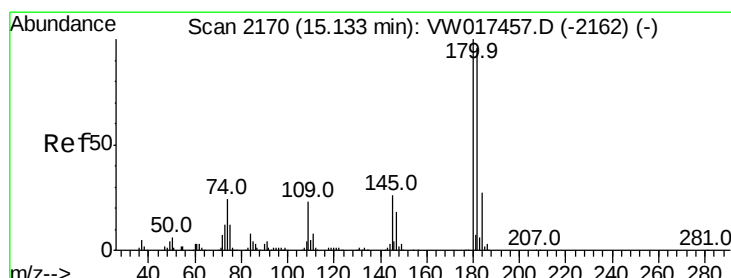
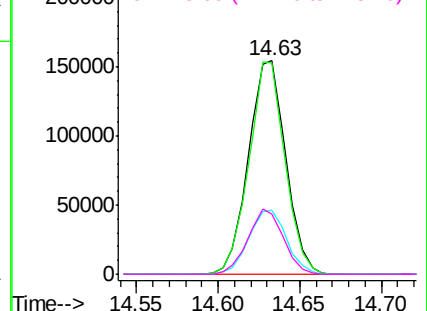
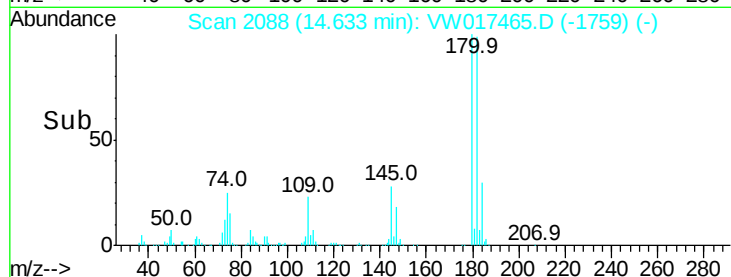
#67
 1,3,5-Trichlorobenzene
 Concen: 23.245 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW017465.D
 Acq: 24 Nov 2020 10:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

Tgt Ion:180 Resp: 245851
 Ion Ratio Lower Upper
 180 100
 182 96.3 75.7 113.5
 184 30.3 23.4 35.0
 145 29.4 22.8 34.2

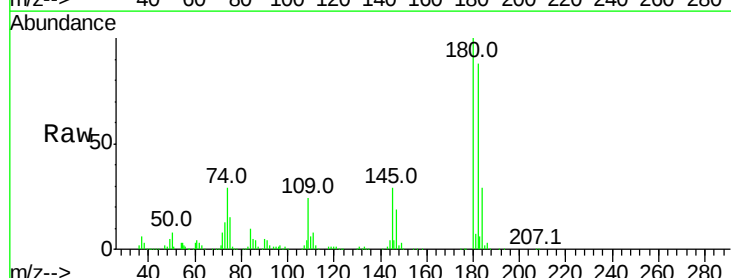


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

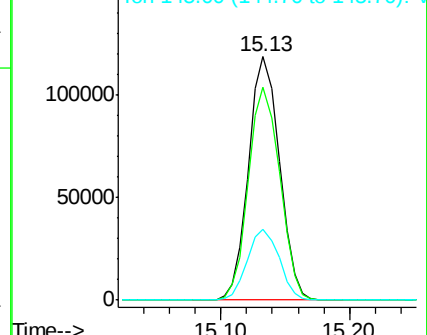
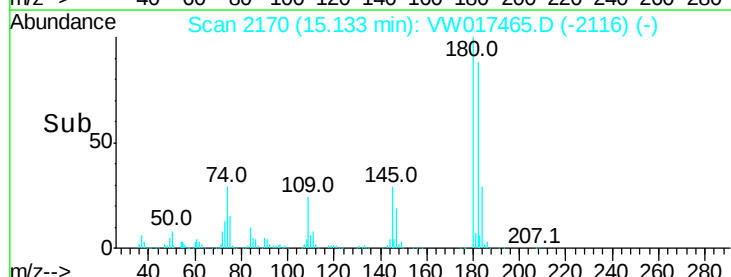


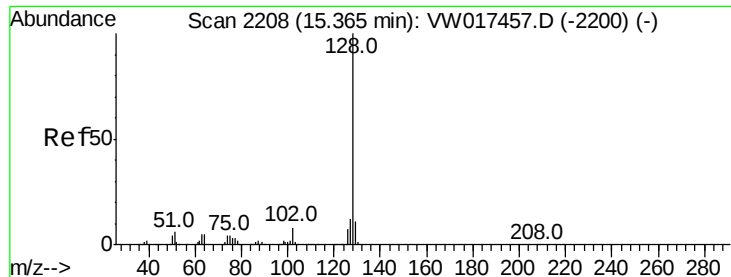
#68
 1,2,4-trichlorobenzene
 Concen: 21.057 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017465.D
 Acq: 24 Nov 2020 10:24

Tgt Ion:180 Resp: 197385
 Ion Ratio Lower Upper
 180 100
 182 89.1 74.0 111.0
 145 30.0 23.0 34.6



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: 19.417 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW017465.D

Acq: 24 Nov 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

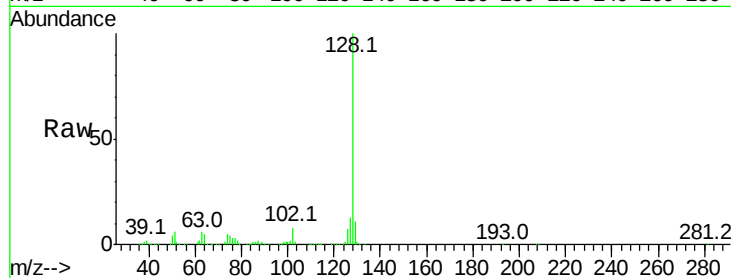
Tgt Ion:128 Resp: 280570

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

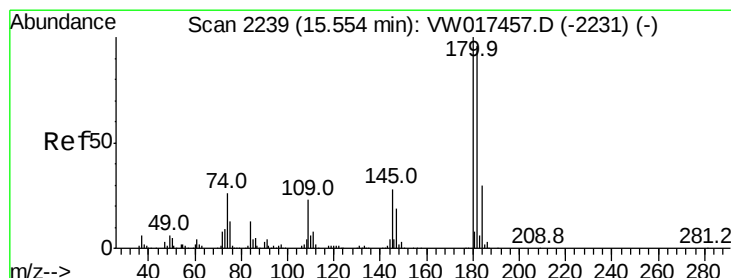
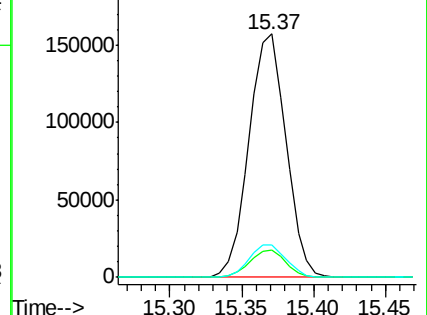
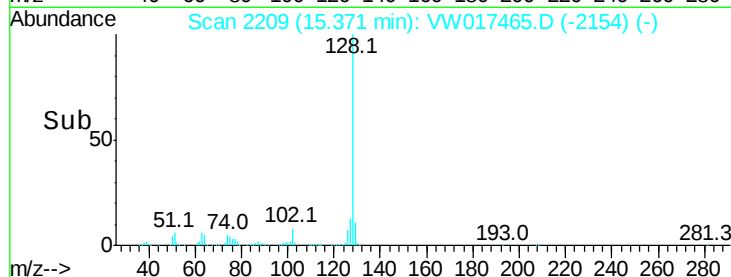
127 13.4 10.2 15.4



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: 19.999 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW017465.D

Acq: 24 Nov 2020 10:24

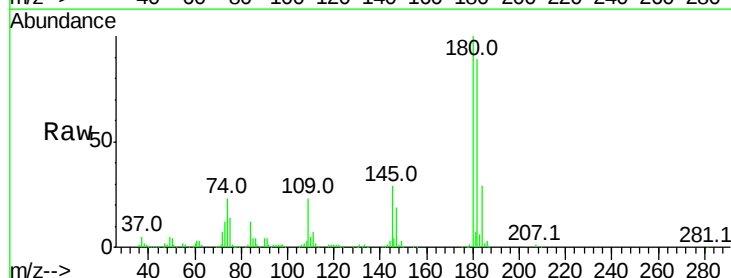
Tgt Ion:180 Resp: 166472

Ion Ratio Lower Upper

180 100

182 93.4 77.3 115.9

145 31.7 23.1 34.7



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

