

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042522\
 Data File : VY008477.D
 Acq On : 25 Apr 2022 13:20
 Operator : KP/MD
 Sample : N2511-05
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1526-29

Quant Time: Apr 26 01:55:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	81096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	147265	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	138687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	55103	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	44762	46.911	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.820%
35) Dibromofluoromethane	7.716	113	47572	50.054	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.100%
50) Toluene-d8	10.179	98	179839	47.590	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.180%
62) 4-Bromofluorobenzene	12.483	95	54516	42.598	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.200%

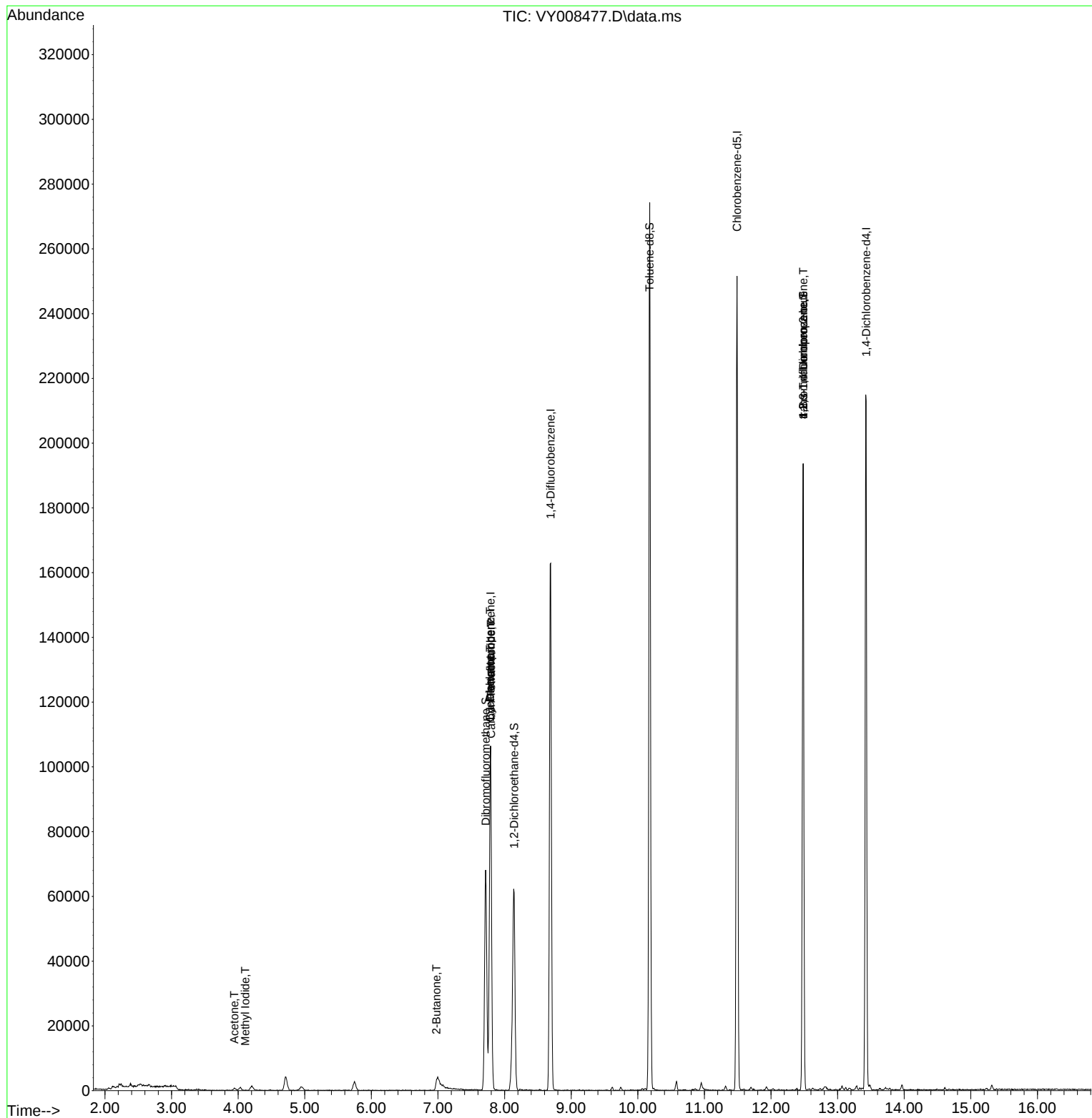
Target Compounds					Qvalue	
10) Methyl Iodide	4.107	142	25	1.712	ug/l #	35
11) Tert butyl alcohol	4.954	59	2263	Below Cal	#	77
16) Acetone	3.942	43	1122	5.048	ug/l #	69
20) Methylene Chloride	4.710	84	3316	Below Cal	#	84
25) 2-Butanone	6.978	43	447	1.300	ug/l #	54
31) Cyclohexane	7.783	56	1851	1.180	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	6898	4.563	ug/l #	51
38) Carbon Tetrachloride	7.795	117	8150	5.189	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	30449	42.698	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	30449	99.055	ug/l #	7

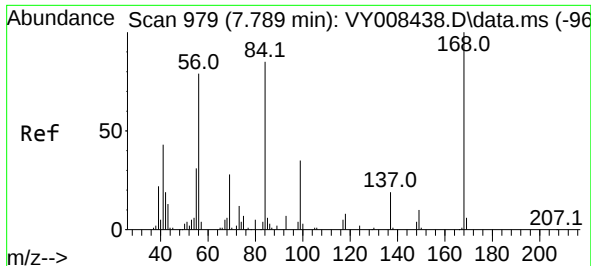
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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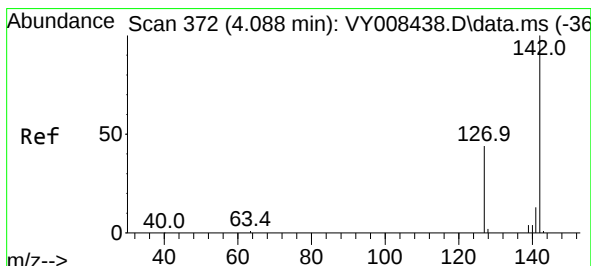
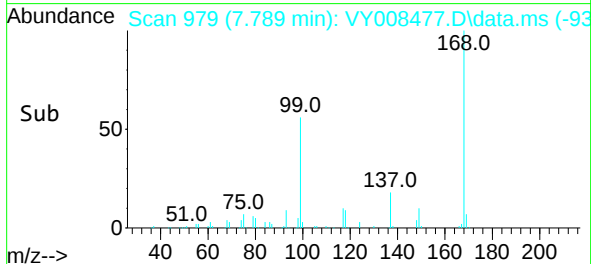
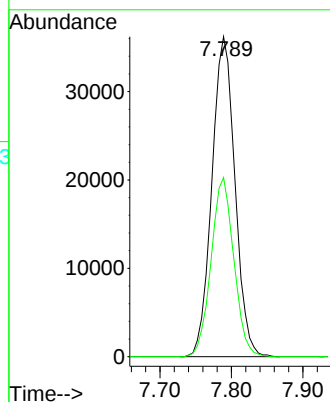
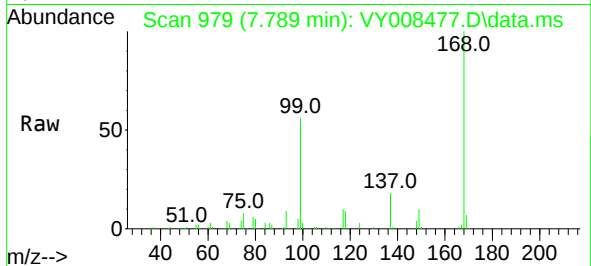




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008477.D
Acq: 25 Apr 2022 13:20

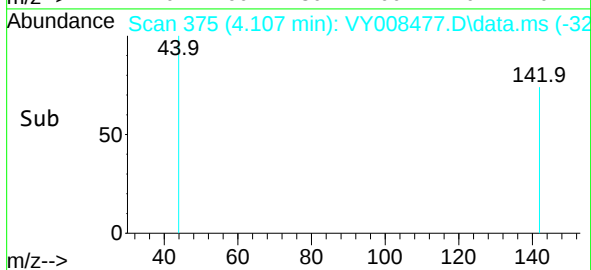
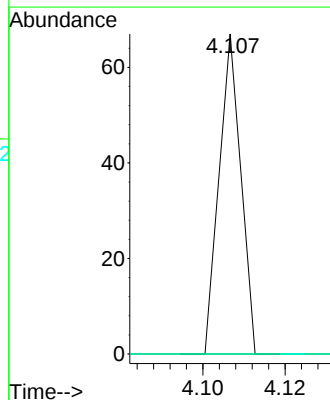
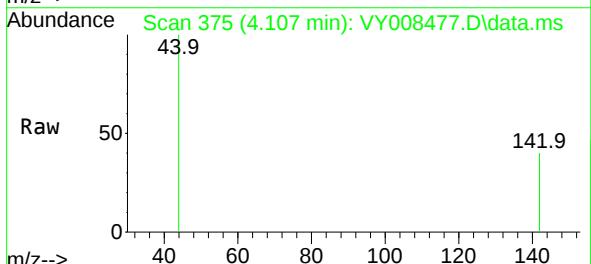
Instrument :
MSVOA_Y
ClientSampleId :
1526-29

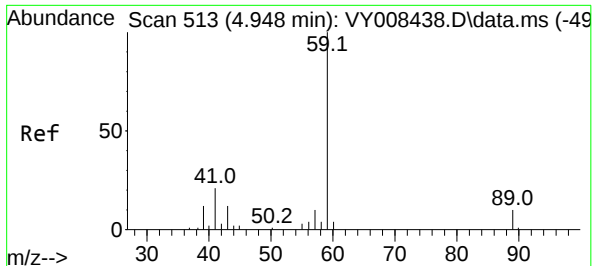
Tgt Ion:168 Resp: 81096
Ion Ratio Lower Upper
168 100
99 56.0 46.9 70.3



#10
Methyl Iodide
Concen: 1.712 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.019 min
Lab File: VY008477.D
Acq: 25 Apr 2022 13:20

Tgt Ion:142 Resp: 25
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#

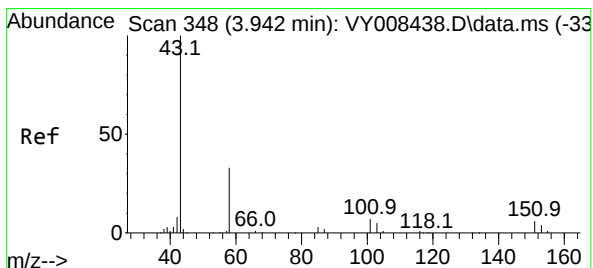
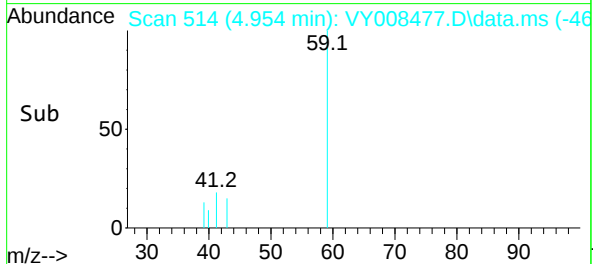
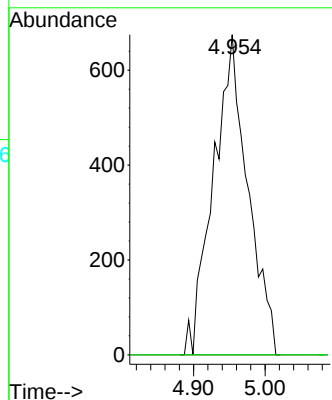
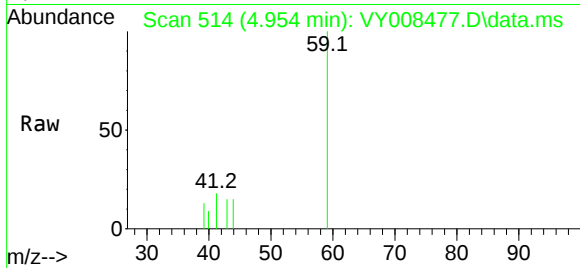




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY008477.D
Acq: 25 Apr 2022 13:20

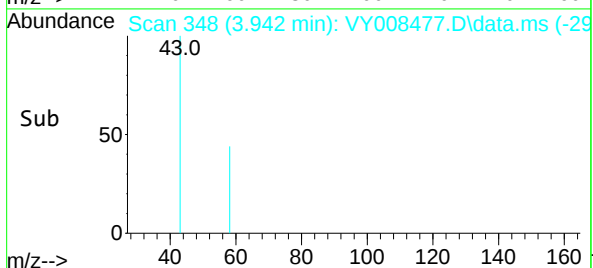
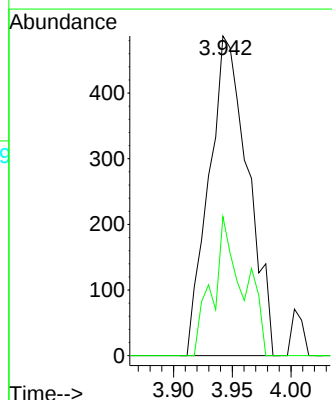
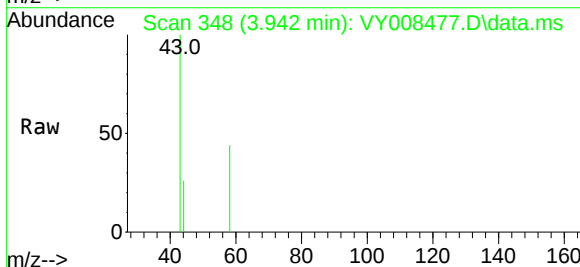
Instrument :
MSVOA_Y
ClientSampleId :
1526-29

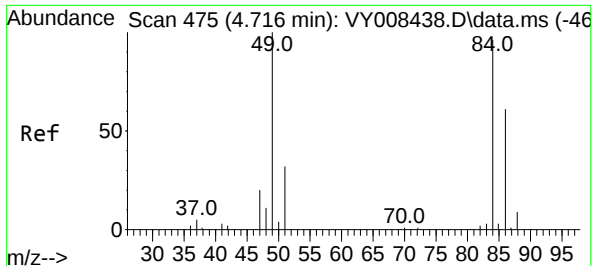
Tgt Ion: 59 Resp: 2263
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 5.048 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY008477.D
Acq: 25 Apr 2022 13:20

Tgt Ion: 43 Resp: 1122
Ion Ratio Lower Upper
43 100
58 43.5 22.0 33.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY008477.D

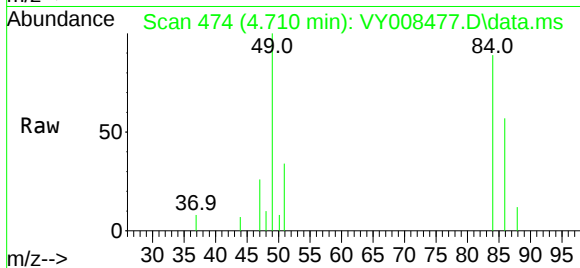
Acq: 25 Apr 2022 13:20

Instrument :

MSVOA_Y

ClientSampleId :

1526-29



Tgt Ion: 84 Resp: 3316

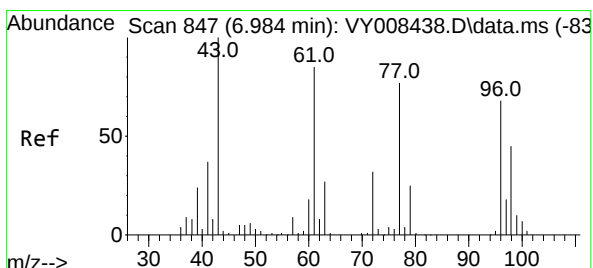
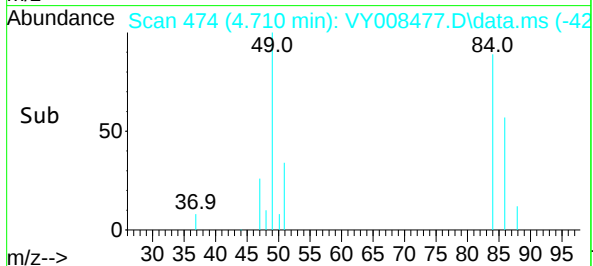
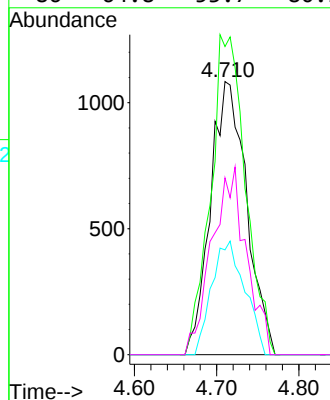
Ion Ratio Lower Upper

84 100

49 112.8 114.4 171.6#

51 38.4 35.3 52.9

86 64.8 53.7 80.5



#25

2-Butanone

Concen: 1.300 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY008477.D

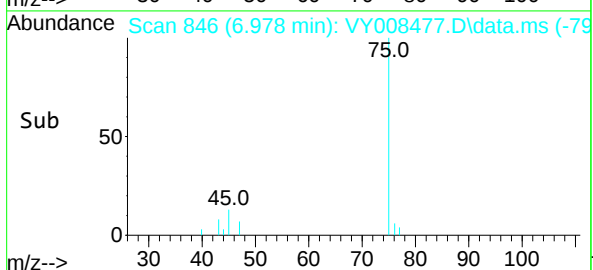
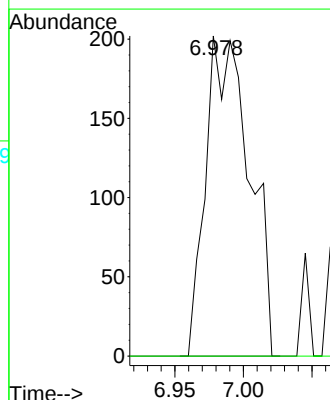
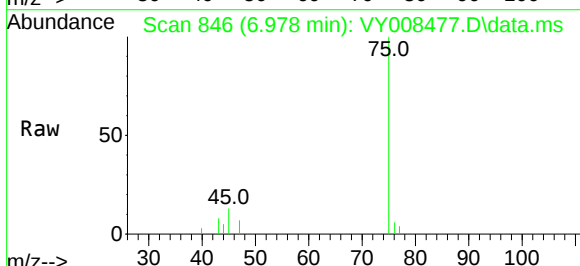
Acq: 25 Apr 2022 13:20

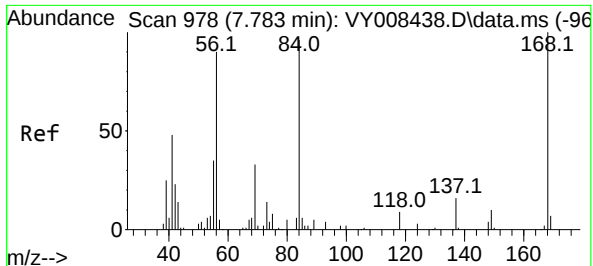
Tgt Ion: 43 Resp: 447

Ion Ratio Lower Upper

43 100

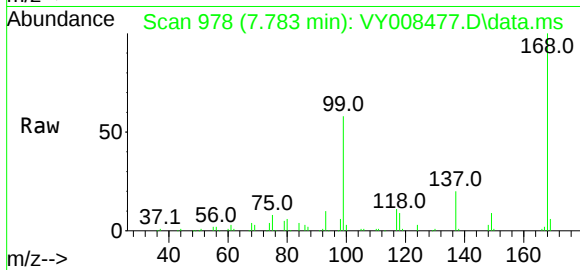
72 0.0 17.7 26.5#



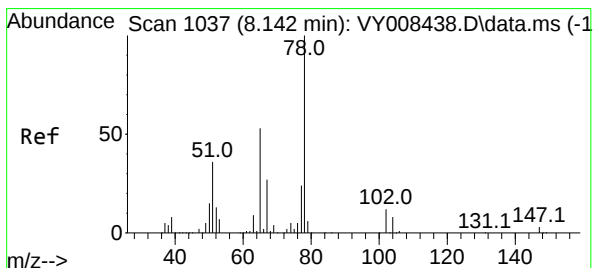
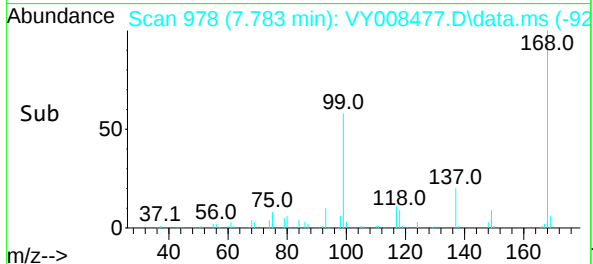
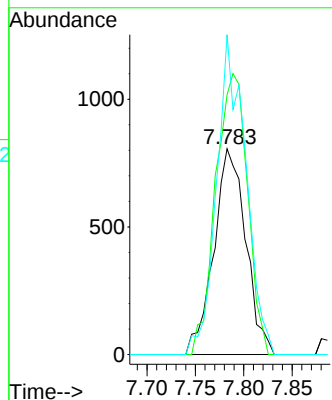


#31
Cyclohexane
Concen: 1.180 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008477.D
Acq: 25 Apr 2022 13:20

Instrument :
MSVOA_Y
ClientSampleId :
1526-29

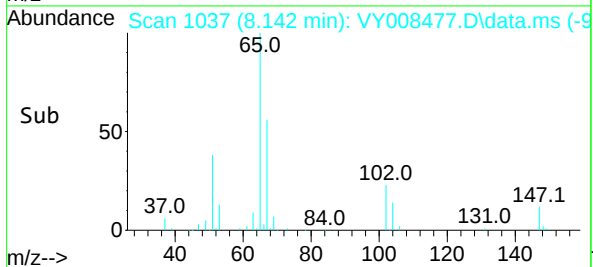
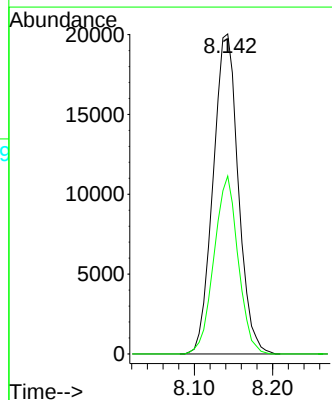
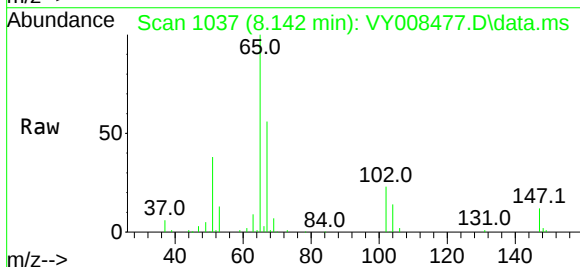


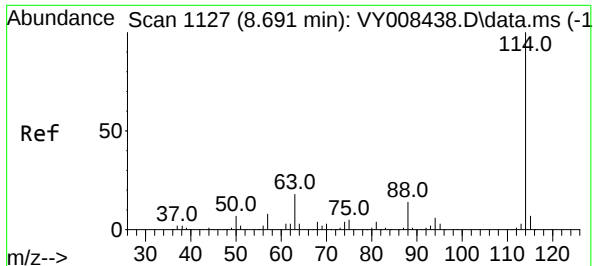
Tgt Ion: 56 Resp: 1851
Ion Ratio Lower Upper
56 100
69 126.3 26.7 40.1#
84 155.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 46.911 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008477.D
Acq: 25 Apr 2022 13:20

Tgt Ion: 65 Resp: 44762
Ion Ratio Lower Upper
65 100
67 53.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008477.D

Acq: 25 Apr 2022 13:20

Instrument :

MSVOA_Y

ClientSampleId :

1526-29

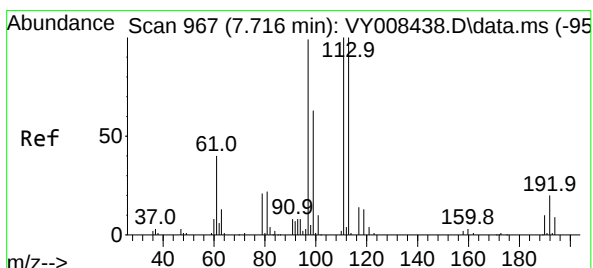
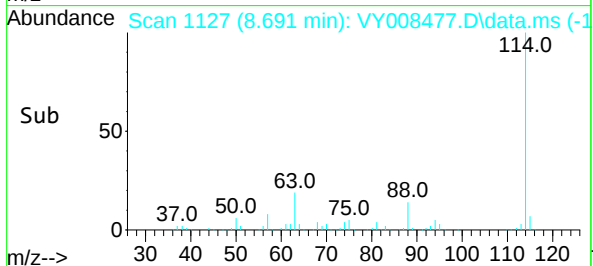
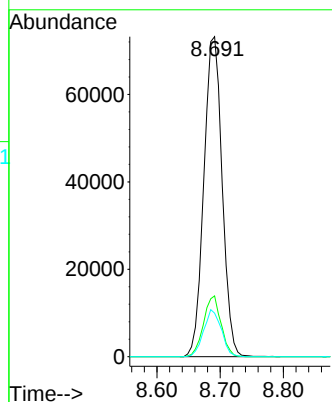
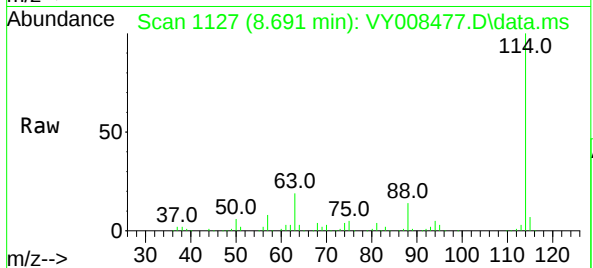
Tgt Ion:114 Resp: 147265

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 13.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.054 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008477.D

Acq: 25 Apr 2022 13:20

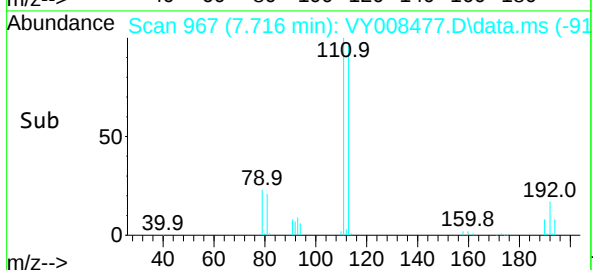
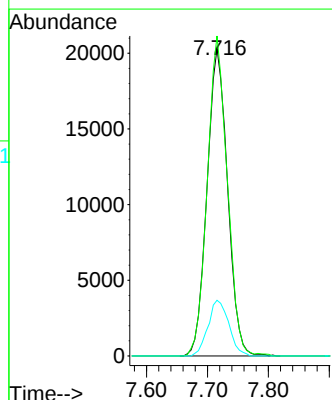
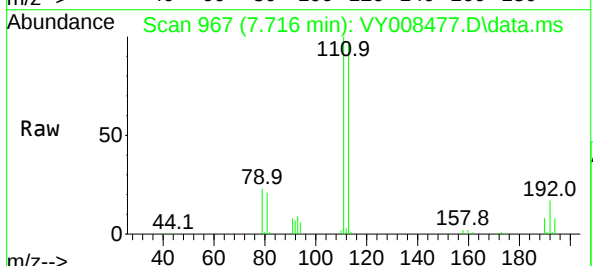
Tgt Ion:113 Resp: 47572

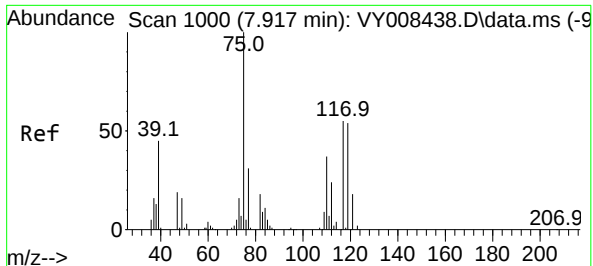
Ion Ratio Lower Upper

113 100

111 101.7 82.6 124.0

192 18.4 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.563 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY008477.D

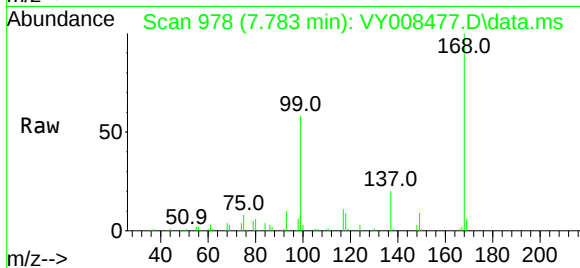
Acq: 25 Apr 2022 13:20

Instrument :

MSVOA_Y

ClientSampleId :

1526-29



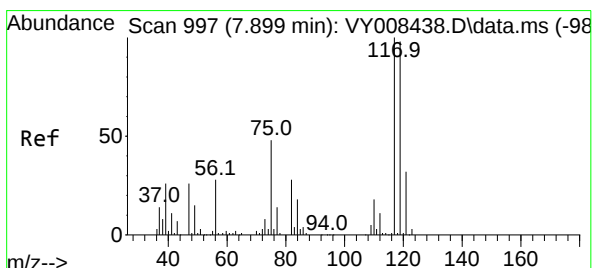
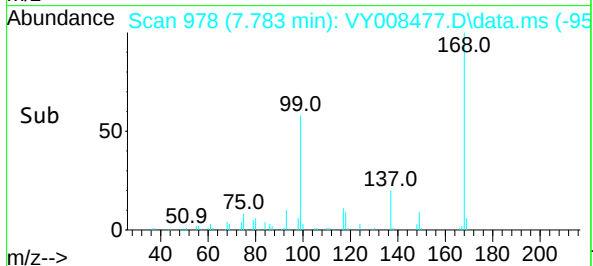
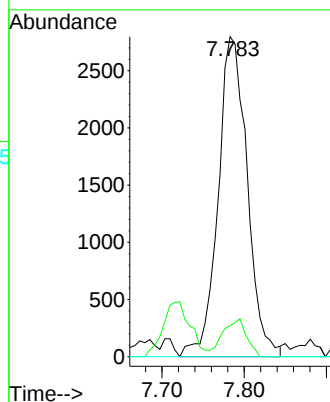
Tgt Ion: 75 Resp: 6898

Ion Ratio Lower Upper

75 100

110 9.5 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.189 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY008477.D

Acq: 25 Apr 2022 13:20

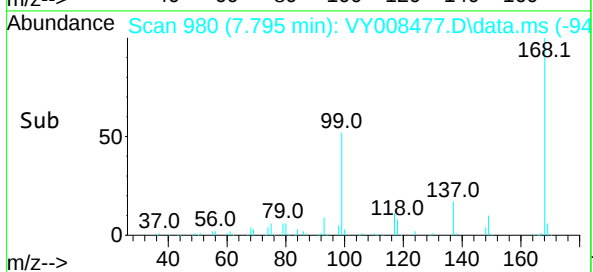
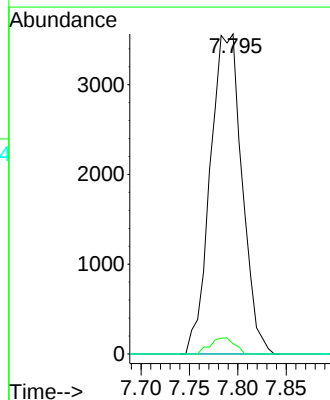
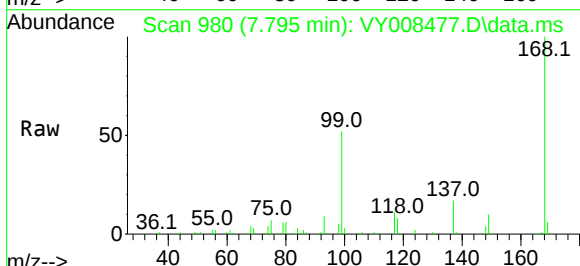
Tgt Ion: 117 Resp: 8150

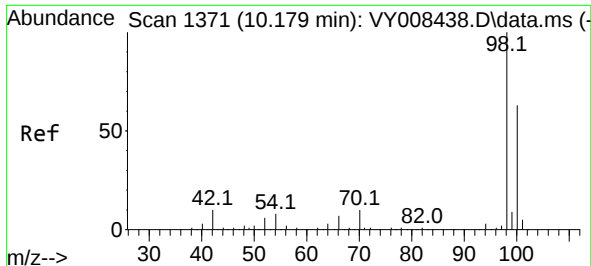
Ion Ratio Lower Upper

117 100

119 3.2 77.9 116.9#

121 0.0 24.8 37.2#

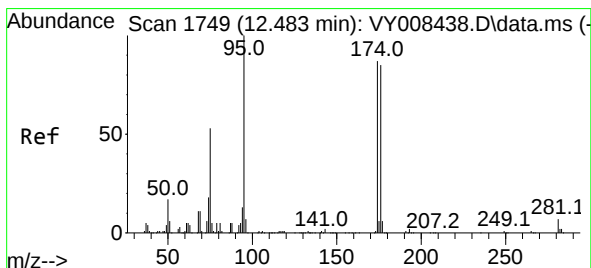
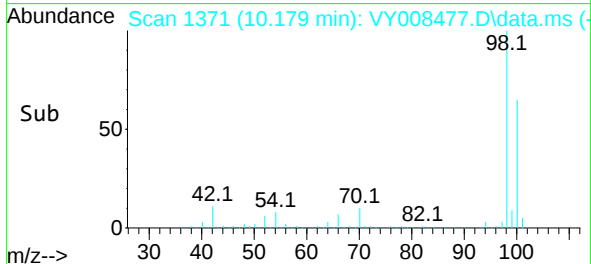
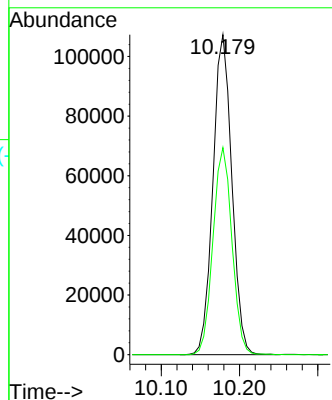
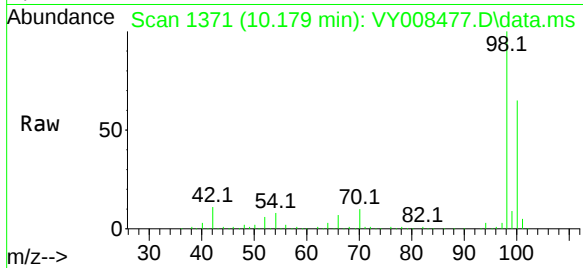




#50
Toluene-d8
Concen: 47.590 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008477.D
Acq: 25 Apr 2022 13:20

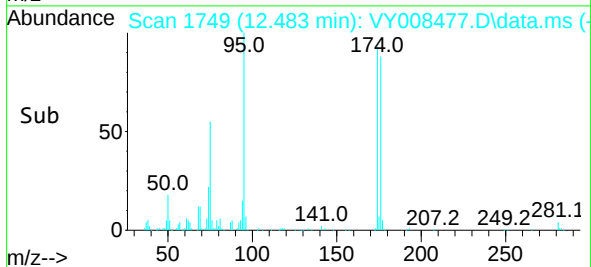
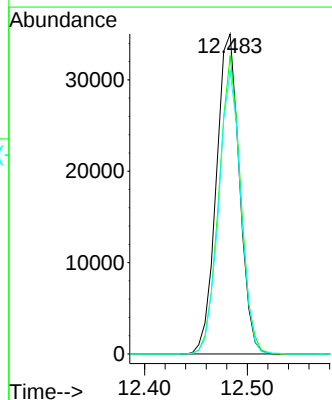
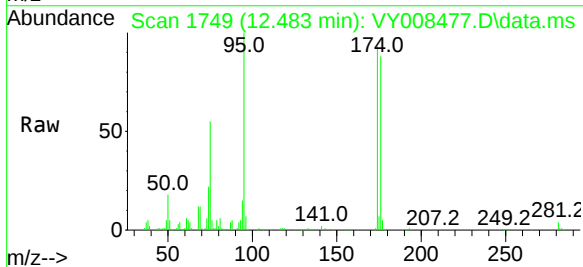
Instrument :
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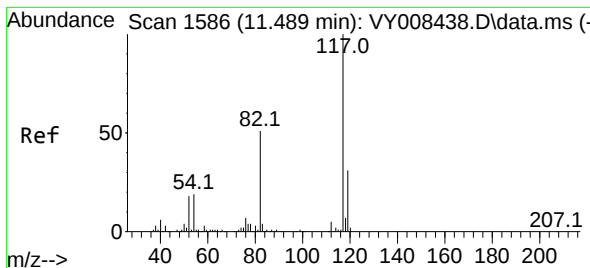
Tgt Ion: 98 Resp: 179839
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 42.598 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008477.D
Acq: 25 Apr 2022 13:20

Tgt Ion: 95 Resp: 54516
Ion Ratio Lower Upper
95 100
174 88.2 0.0 177.0
176 84.4 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY008477.D

Acq: 25 Apr 2022 13:20

Instrument :

MSVOA_Y

ClientSampleId :

1526-29

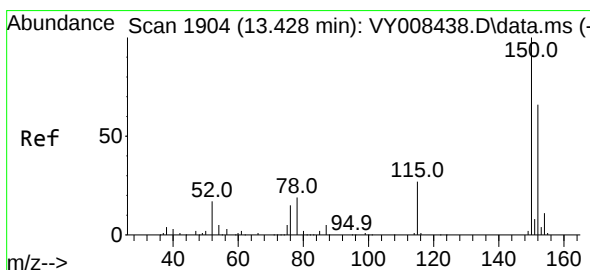
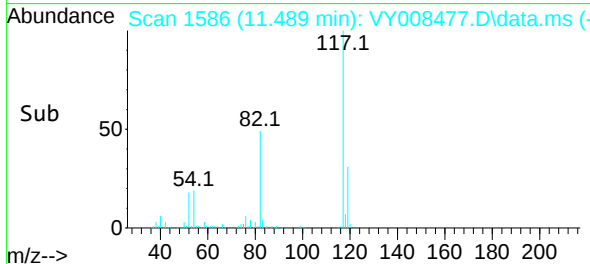
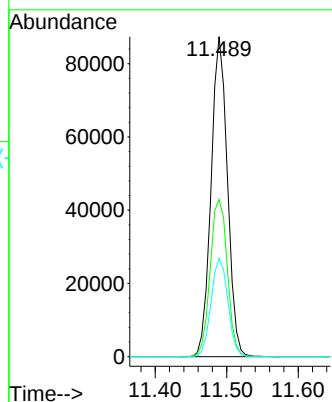
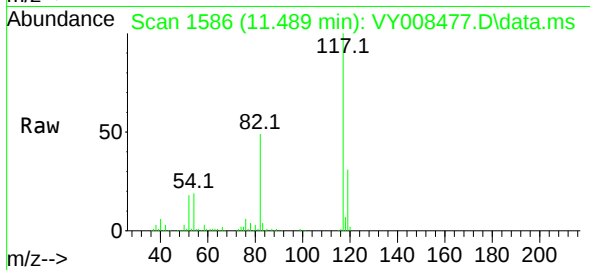
Tgt Ion:117 Resp: 138687

Ion Ratio Lower Upper

117 100

82 49.1 43.0 64.4

119 30.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY008477.D

Acq: 25 Apr 2022 13:20

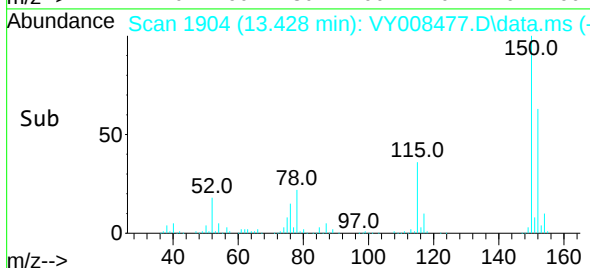
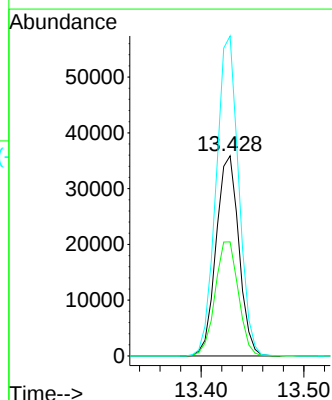
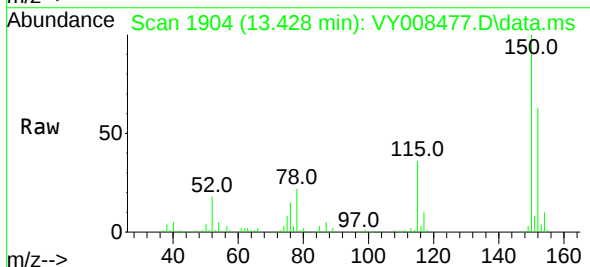
Tgt Ion:152 Resp: 55103

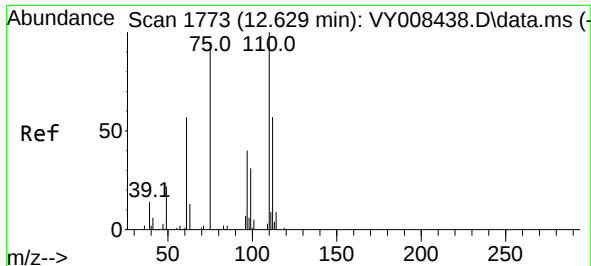
Ion Ratio Lower Upper

152 100

115 58.3 28.2 84.7

150 158.4 0.0 347.6

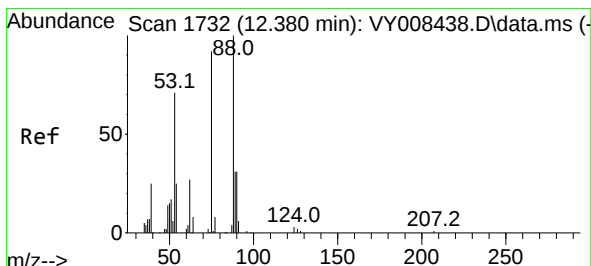
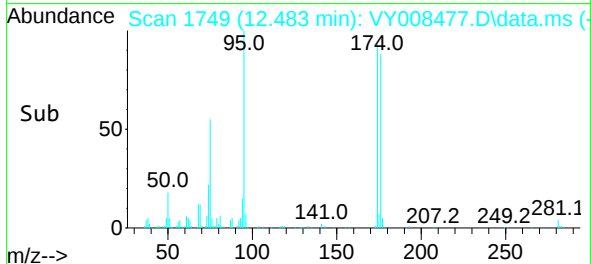
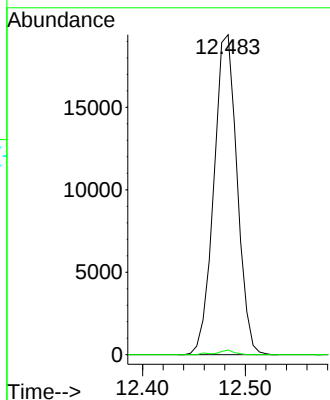
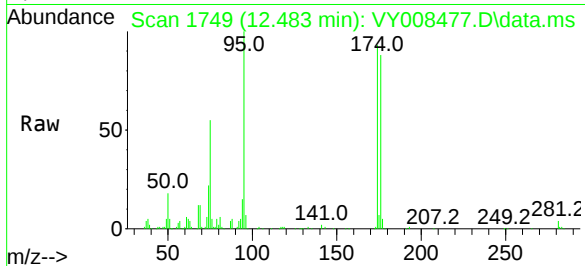




#76
1,2,3-Trichloropropane
Concen: 42.698 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY008477.D
Acq: 25 Apr 2022 13:20

Instrument :
MSVOA_Y
ClientSampleId :
1526-29

Tgt Ion: 75 Resp: 30449
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.055 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY008477.D
Acq: 25 Apr 2022 13:20

Tgt Ion: 75 Resp: 30449
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

