

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011923\
 Data File : VY012260.D
 Acq On : 19 Jan 2023 13:03
 Operator : KP/MD
 Sample : 01198-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-02-011823

Quant Time: Jan 20 03:23:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

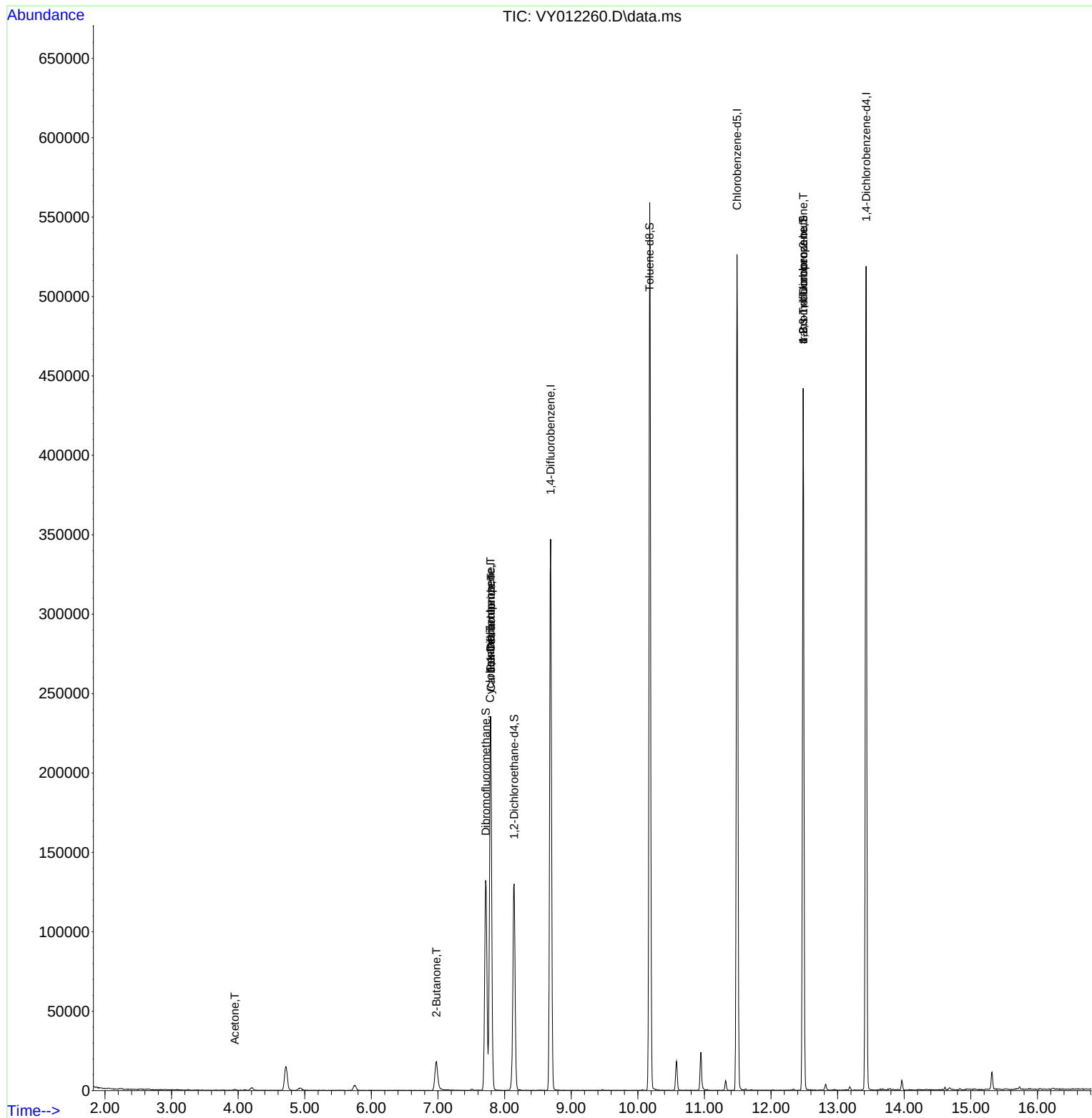
Internal Standards						
1) Pentafluorobenzene	7.789	168	189287	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	310079	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	298684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	137504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	107515	70.107	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.220%	
35) Dibromofluoromethane	7.716	113	92405	56.280	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.560%	
50) Toluene-d8	10.179	98	369703	66.410	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 132.820%	
62) 4-Bromofluorobenzene	12.483	95	122804	53.058	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.120%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	1573	Below Cal	#	74
16) Acetone	3.948	43	1036	1.966	ug/l	98
20) Methylene Chloride	4.716	84	12641	Below Cal	#	82
25) 2-Butanone	6.978	43	857	1.473	ug/l	# 46
31) Cyclohexane	7.783	56	3193	1.157	ug/l	# 16
36) 1,1-Dichloropropene	7.789	75	12663	4.538	ug/l	# 51
38) Carbon Tetrachloride	7.795	117	18427	5.113	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	64759	51.217	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	64759	105.530	ug/l	# 13

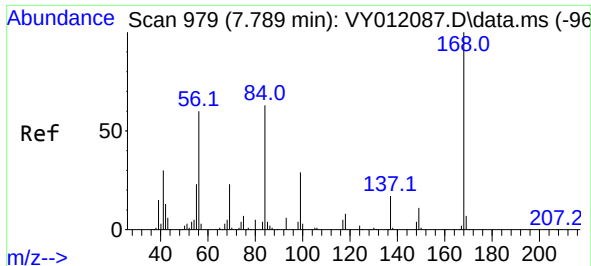
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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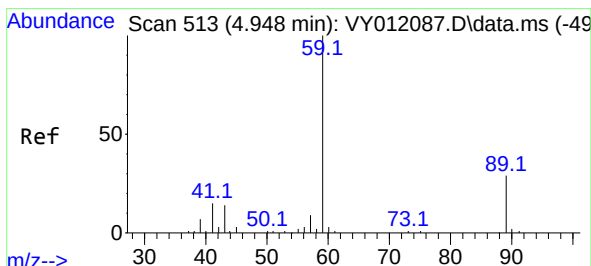
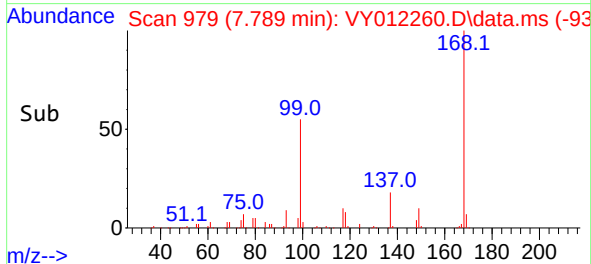
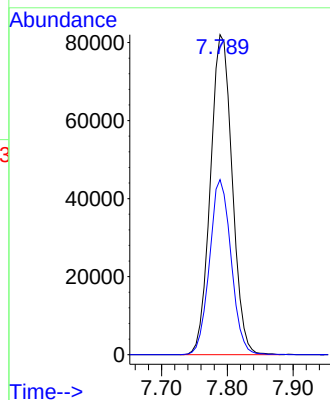
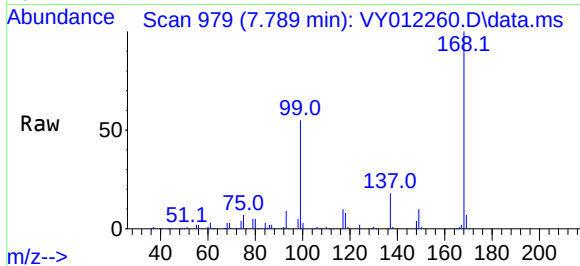




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012260.D
Acq: 19 Jan 2023 13:03

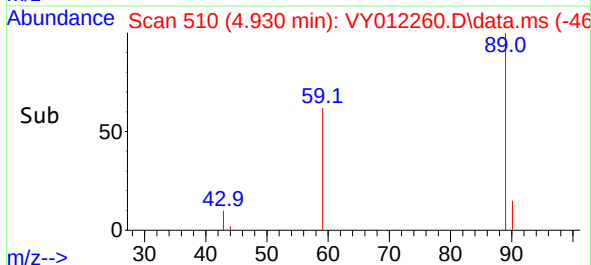
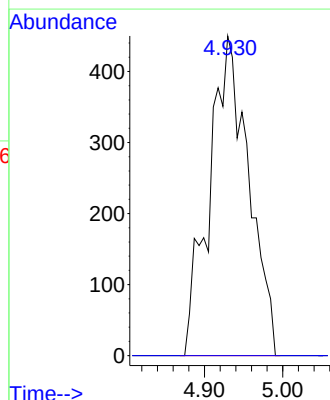
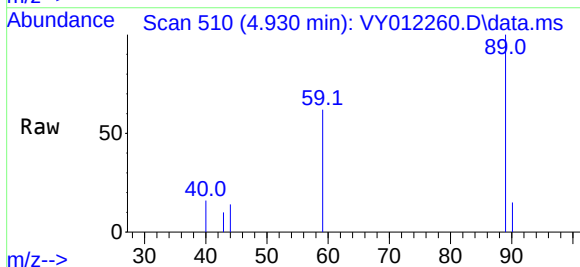
Instrument :
MSVOA_Y
ClientSampleId :
PL-02-011823

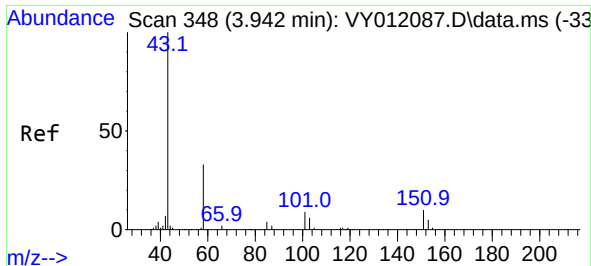
Tgt Ion:168 Resp: 189287
Ion Ratio Lower Upper
168 100
99 54.7 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY012260.D
Acq: 19 Jan 2023 13:03

Tgt Ion: 59 Resp: 1573
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

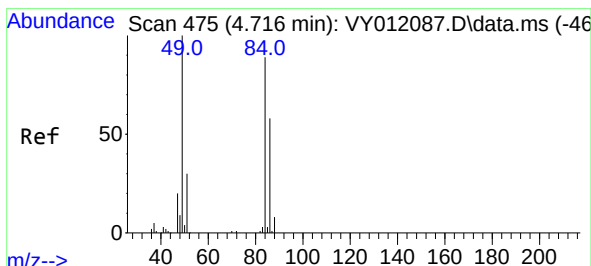
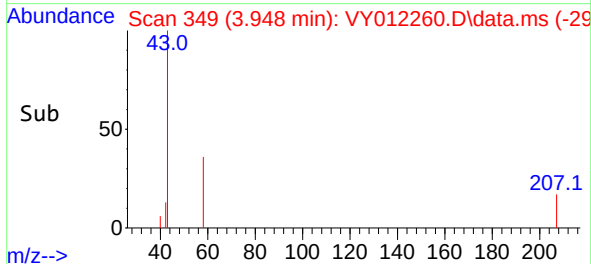
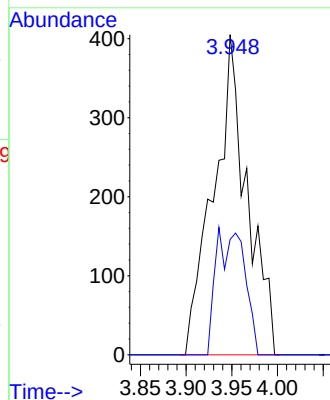
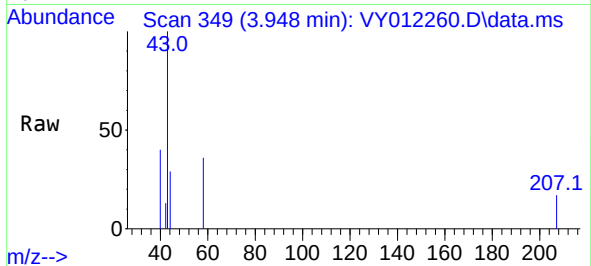




#16
Acetone
Concen: 1.966 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY012260.D
Acq: 19 Jan 2023 13:03

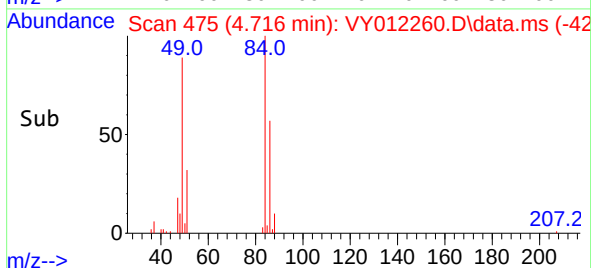
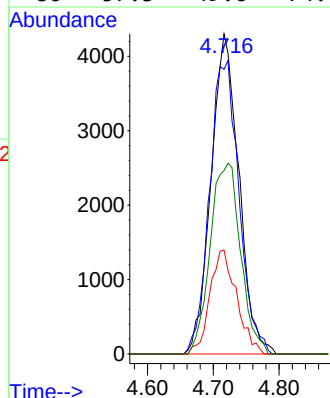
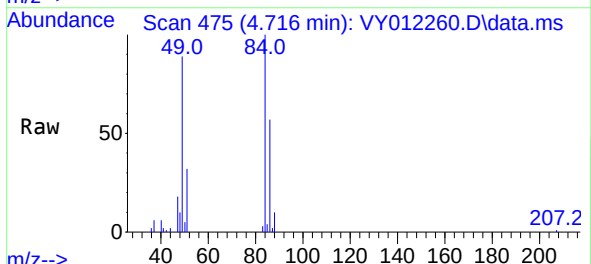
Instrument :
MSVOA_Y
ClientSampleId :
PL-02-011823

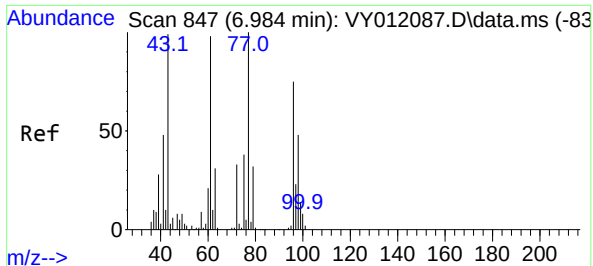
Tgt Ion: 43 Resp: 1036
Ion Ratio Lower Upper
43 100
58 36.0 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012260.D
Acq: 19 Jan 2023 13:03

Tgt Ion: 84 Resp: 12641
Ion Ratio Lower Upper
84 100
49 88.9 95.4 143.2#
51 32.5 29.9 44.9
86 57.3 49.6 74.4

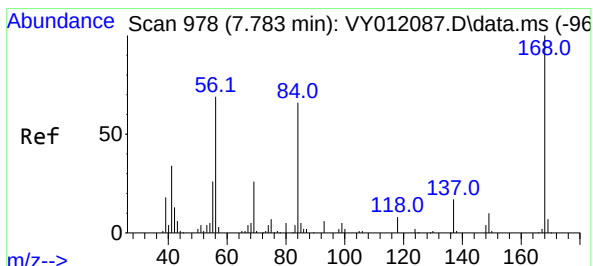
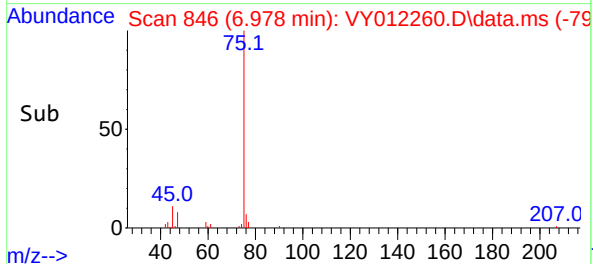
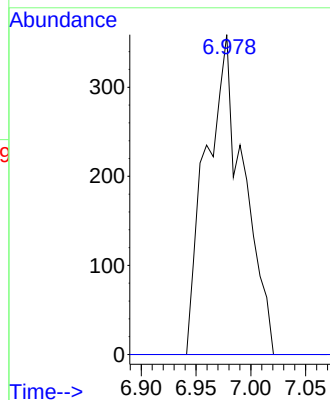
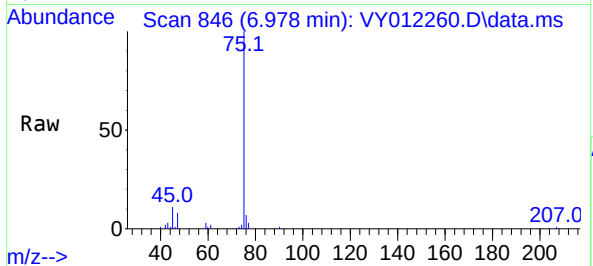




#25
2-Butanone
Concen: 1.473 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY012260.D
Acq: 19 Jan 2023 13:03

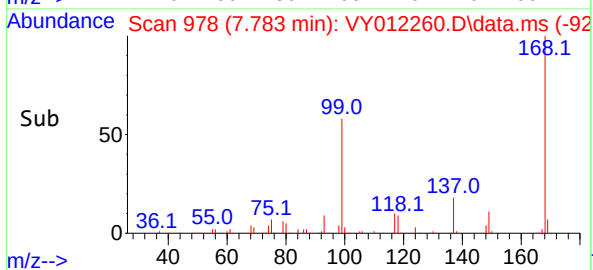
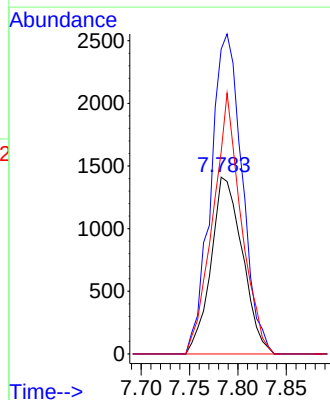
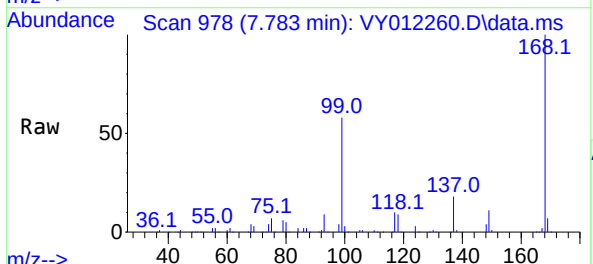
Instrument :
MSVOA_Y
ClientSampleId :
PL-02-011823

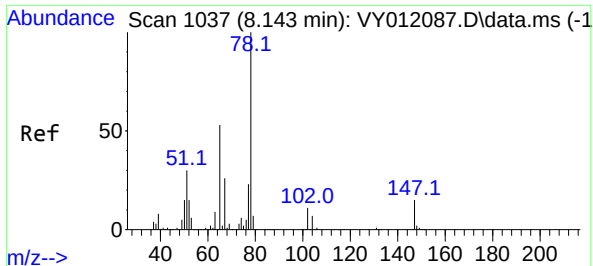
Tgt Ion: 43 Resp: 857
Ion Ratio Lower Upper
43 100
72 0.0 22.6 34.0#



#31
Cyclohexane
Concen: 1.157 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY012260.D
Acq: 19 Jan 2023 13:03

Tgt Ion: 56 Resp: 3193
Ion Ratio Lower Upper
56 100
69 172.4 29.2 43.8#
84 114.2 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 70.107 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012260.D

Acq: 19 Jan 2023 13:03

Instrument :

MSVOA_Y

ClientSampleId :

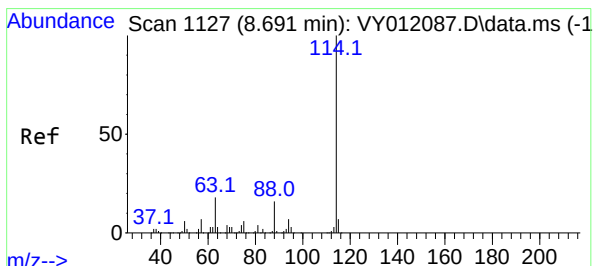
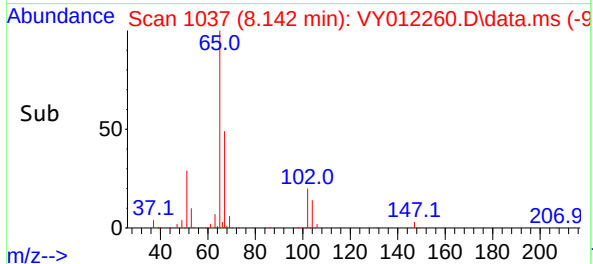
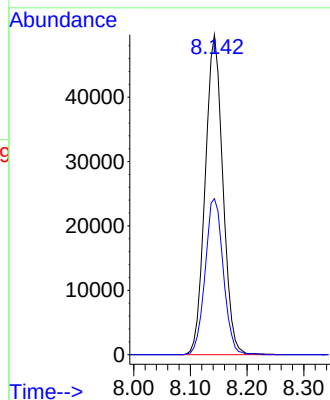
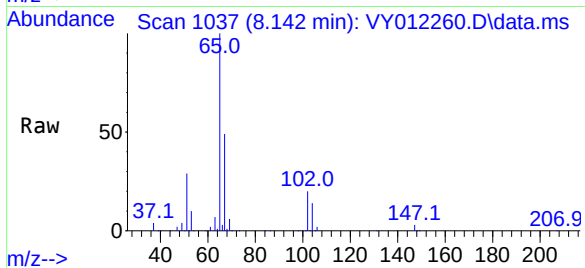
PL-02-011823

Tgt Ion: 65 Resp: 107515

Ion Ratio Lower Upper

65 100

67 50.1 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012260.D

Acq: 19 Jan 2023 13:03

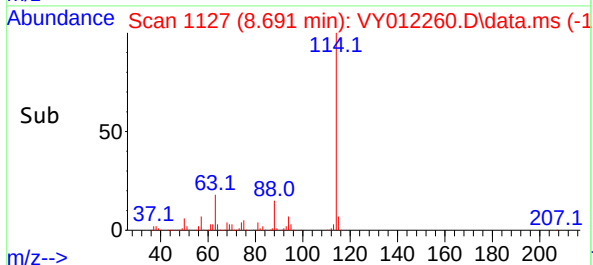
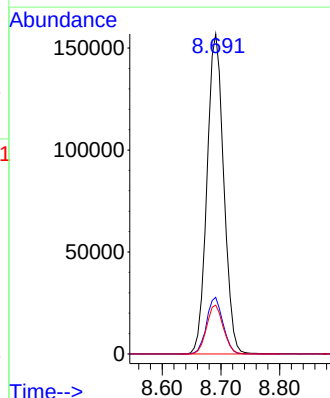
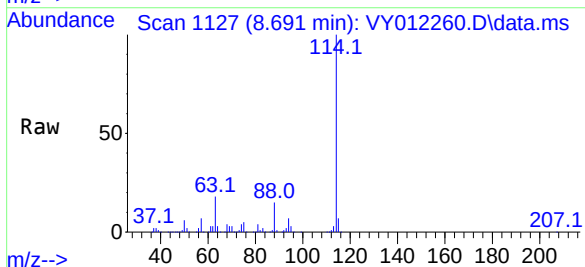
Tgt Ion: 114 Resp: 310079

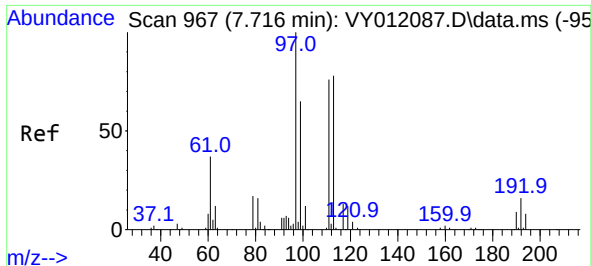
Ion Ratio Lower Upper

114 100

63 17.7 0.0 39.6

88 15.3 0.0 32.2

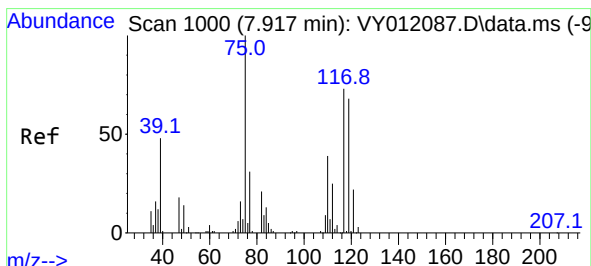
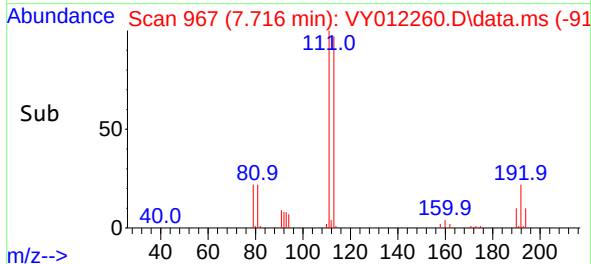
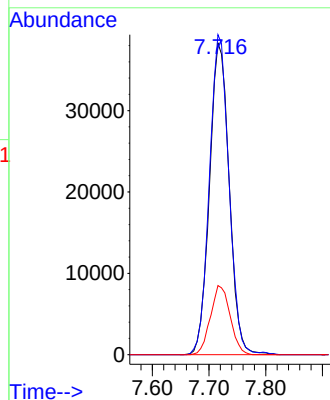
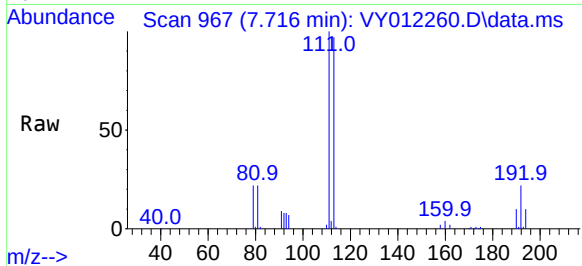




#35
Dibromofluoromethane
Concen: 56.280 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012260.D
Acq: 19 Jan 2023 13:03

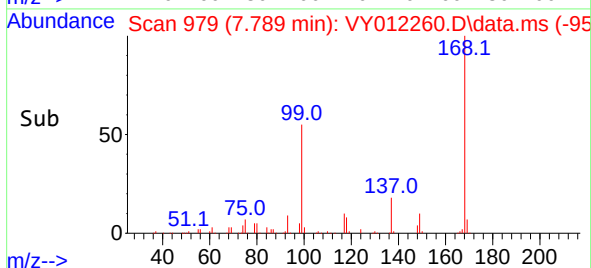
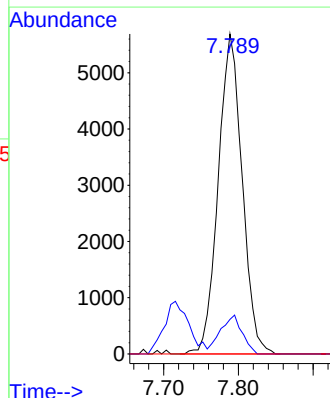
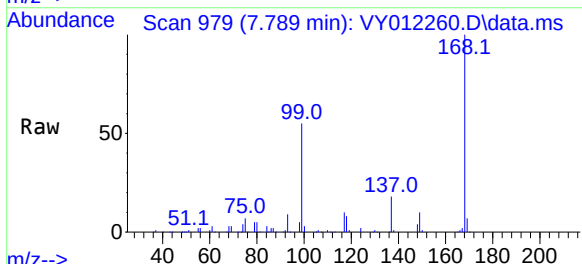
Instrument :
MSVOA_Y
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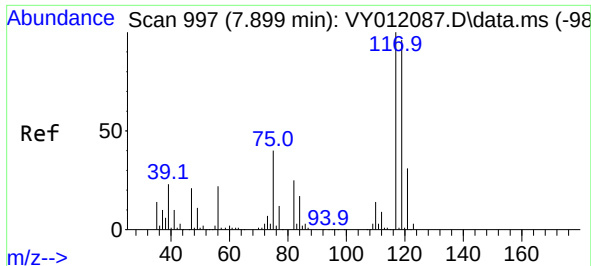
Tgt Ion:113 Resp: 92405
Ion Ratio Lower Upper
113 100
111 101.9 83.0 124.4
192 22.2 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.538 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012260.D
Acq: 19 Jan 2023 13:03

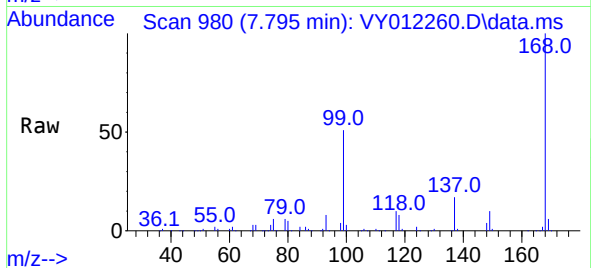
Tgt Ion: 75 Resp: 12663
Ion Ratio Lower Upper
75 100
110 11.0 18.1 54.1#
77 0.0 25.1 37.7#



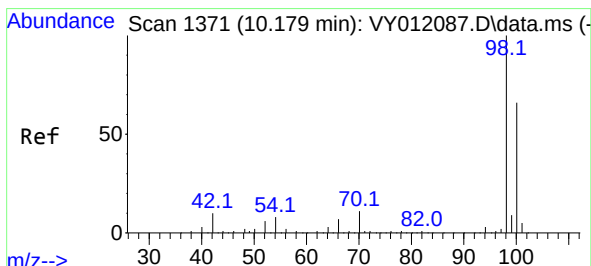
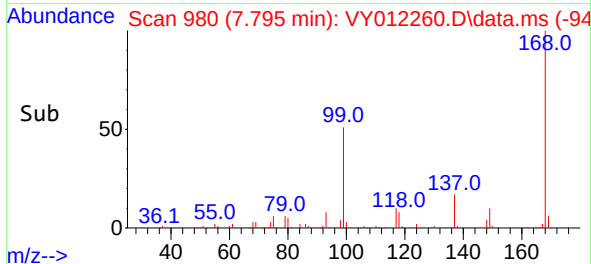
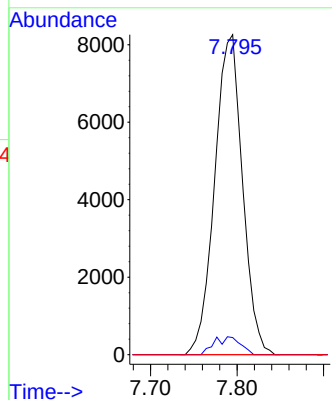


#38
Carbon Tetrachloride
Concen: 5.113 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY012260.D
Acq: 19 Jan 2023 13:03

Instrument :
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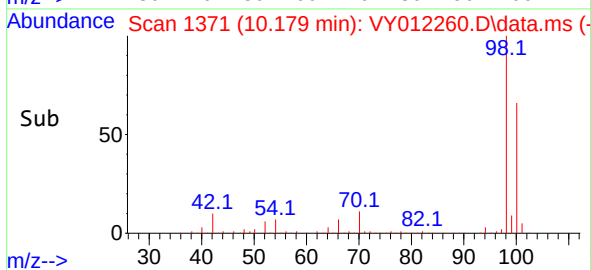
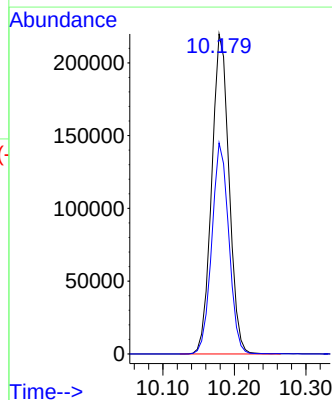
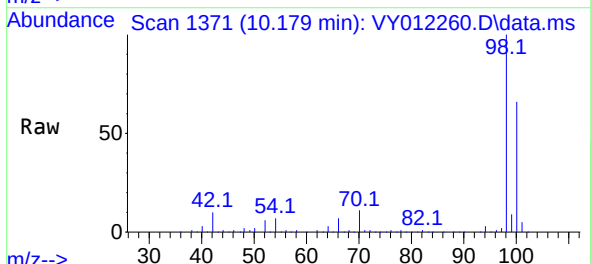


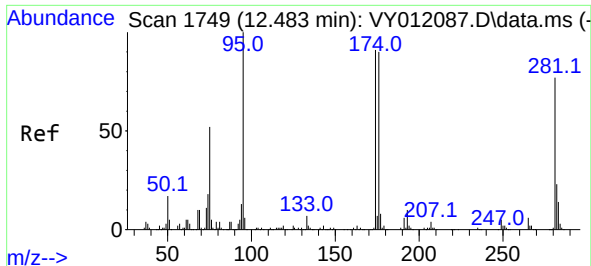
Tgt Ion:117 Resp: 18427
Ion Ratio Lower Upper
117 100
119 5.4 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 66.410 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012260.D
Acq: 19 Jan 2023 13:03

Tgt Ion: 98 Resp: 369703
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9

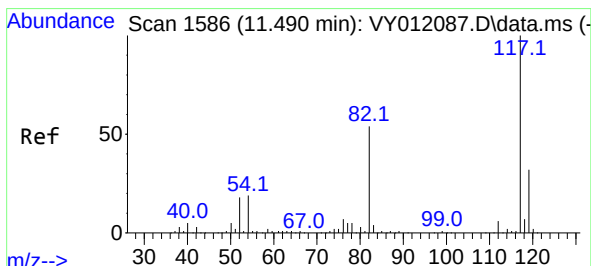
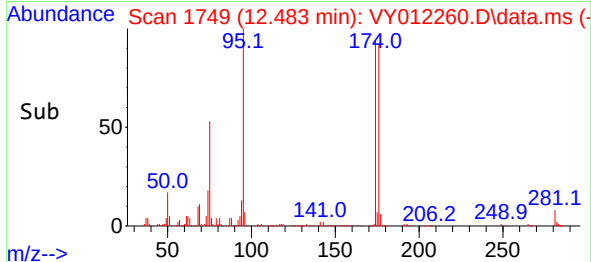
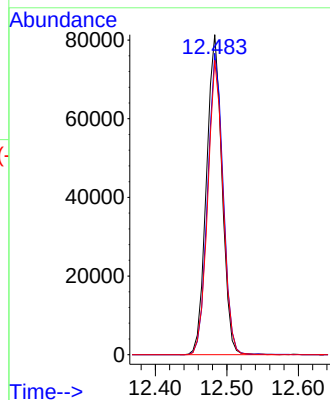
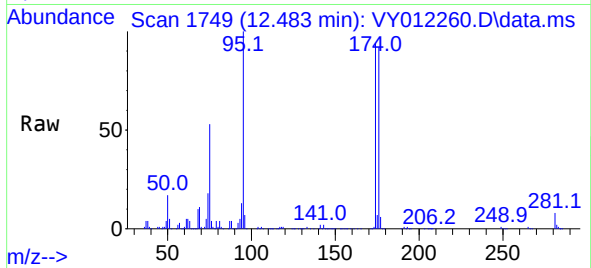




#62
4-Bromofluorobenzene
Concen: 53.058 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012260.D
Acq: 19 Jan 2023 13:03

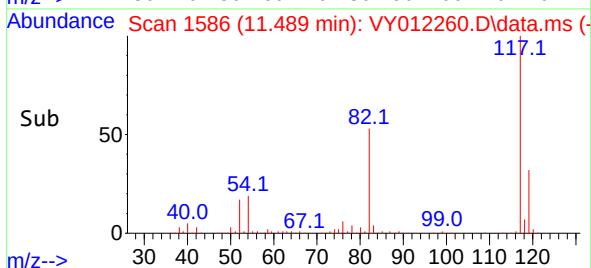
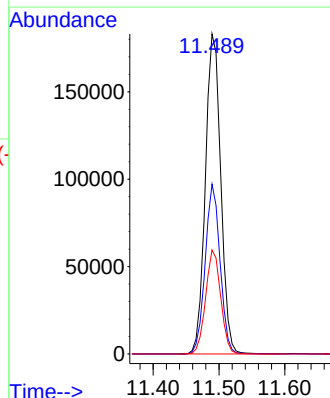
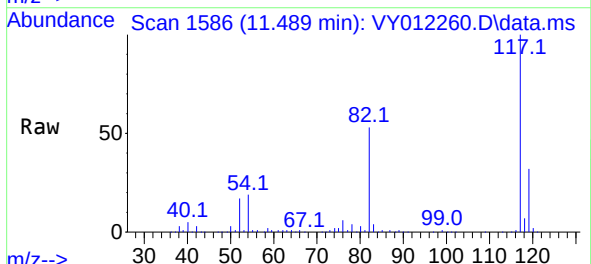
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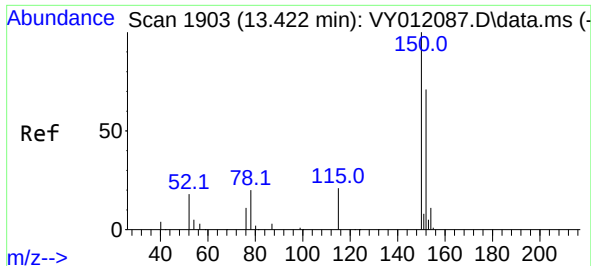
Tgt Ion: 95 Resp: 122804
Ion Ratio Lower Upper
95 100
174 94.1 0.0 172.0
176 90.4 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012260.D
Acq: 19 Jan 2023 13:03

Tgt Ion: 117 Resp: 298684
Ion Ratio Lower Upper
117 100
82 53.0 44.8 67.2
119 32.5 25.4 38.2

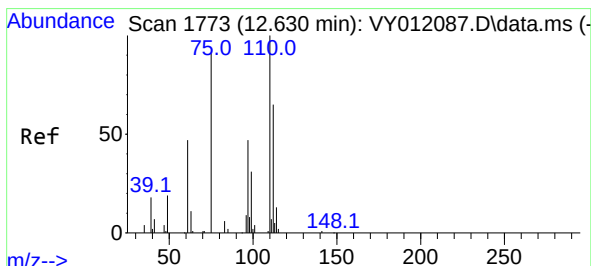
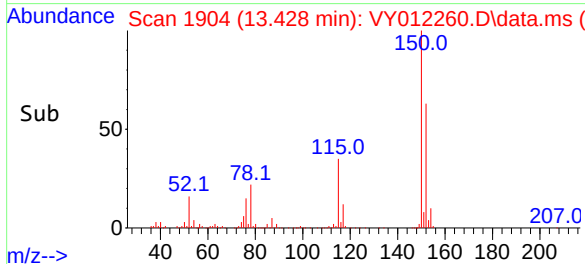
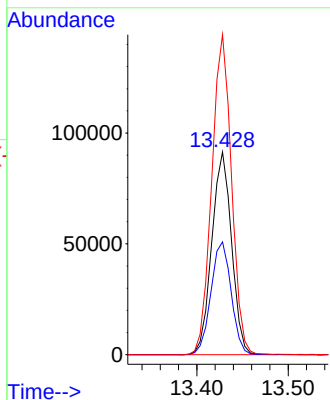
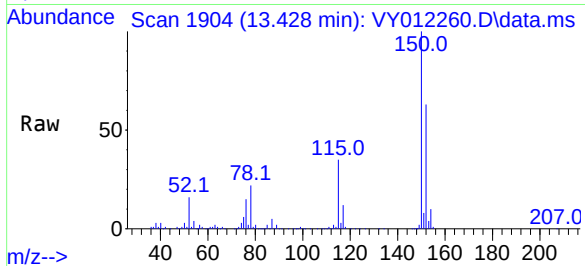




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY012260.D
Acq: 19 Jan 2023 13:03

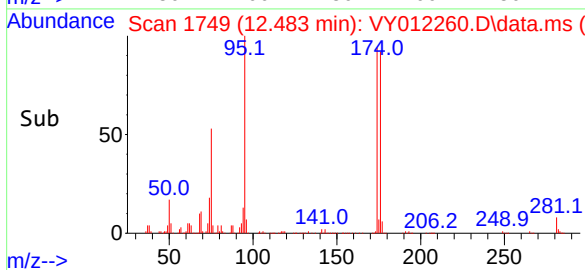
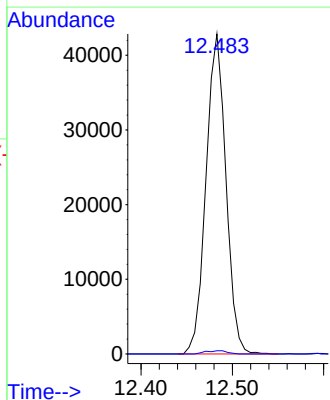
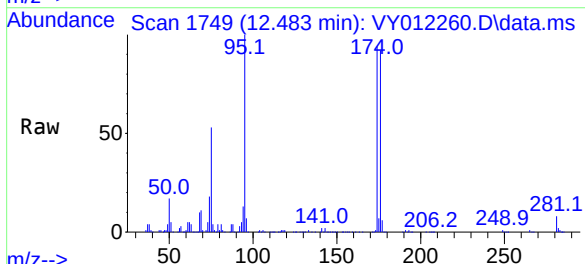
Instrument :
MSVOA_Y
ClientSampleId :
PL-02-011823

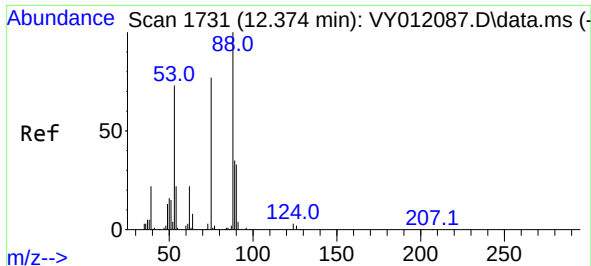
Tgt Ion:152 Resp: 137504
Ion Ratio Lower Upper
152 100
115 57.0 29.1 87.3
150 157.9 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 51.217 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012260.D
Acq: 19 Jan 2023 13:03

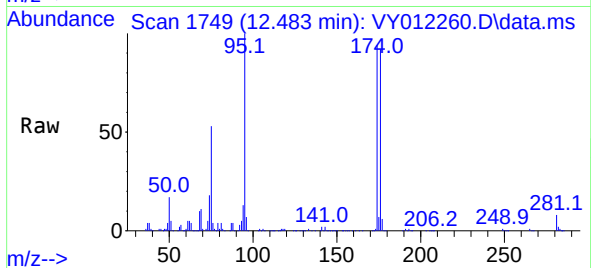
Tgt Ion: 75 Resp: 64759
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 105.530 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY012260.D
Acq: 19 Jan 2023 13:03

Instrument :
MSVOA_Y
ClientSampleId :
PL-02-011823



Tgt Ion: 75 Resp: 64759
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.1 37.0 55.4#

