

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010923\
 Data File : VY012111.D
 Acq On : 09 Jan 2023 15:24
 Operator : KP/MD
 Sample : 01064-03
 Misc : 6.46g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S4-03

Quant Time: Jan 10 01:47:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

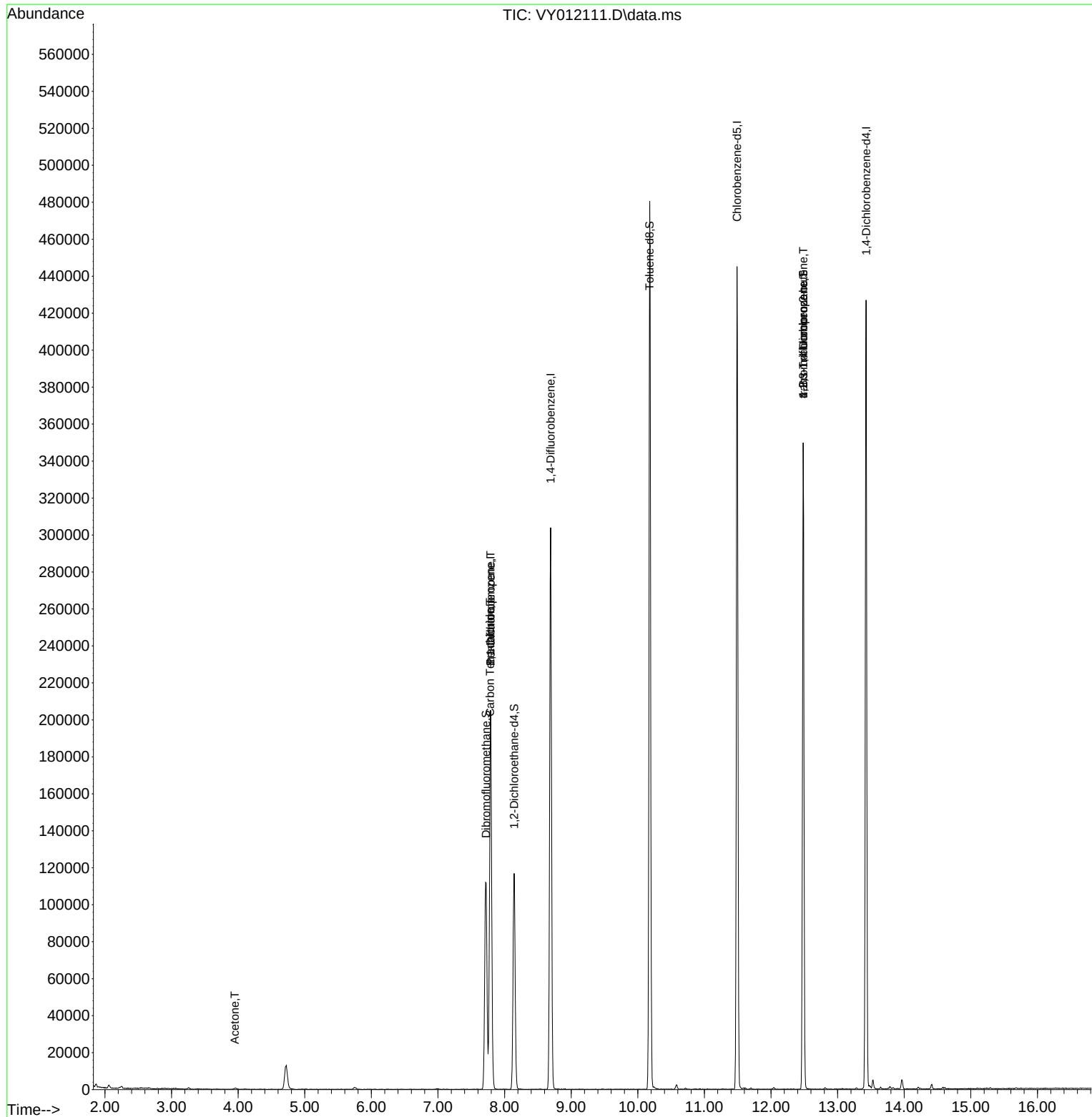
Internal Standards						
1) Pentafluorobenzene	7.789	168	155574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	261770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	242348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	111845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	97948	56.030	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.060%
35) Dibromofluoromethane	7.722	113	79364	46.127	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.260%
50) Toluene-d8	10.179	98	313898	46.222	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.440%
62) 4-Bromofluorobenzene	12.483	95	98710	41.583	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	83.160%
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	119	Below Cal	#	41
5) Bromomethane	2.656	94	82	Below Cal	#	58
11) Tert butyl alcohol	4.960	59	246	Below Cal	#	74
16) Acetone	3.948	43	1244	3.025	ug/l #	64
31) Cyclohexane	7.789	56	3163	Below Cal	#	28
36) 1,1-Dichloropropene	7.789	75	11062	4.238	ug/l #	50
38) Carbon Tetrachloride	7.783	117	15674	4.731	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	53267	41.711	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	53267	92.634	ug/l #	13

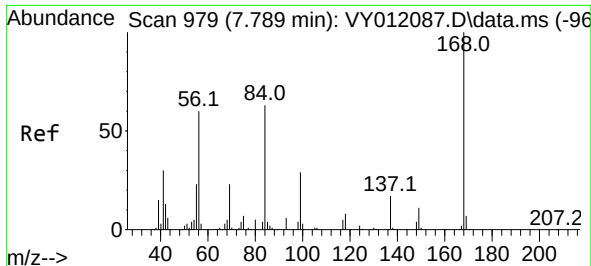
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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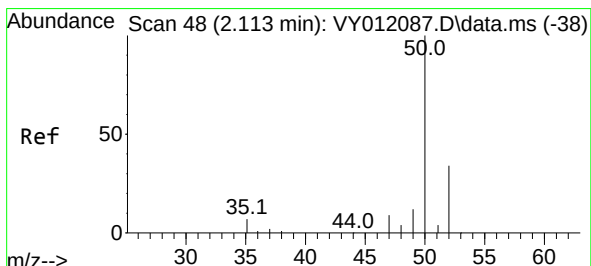
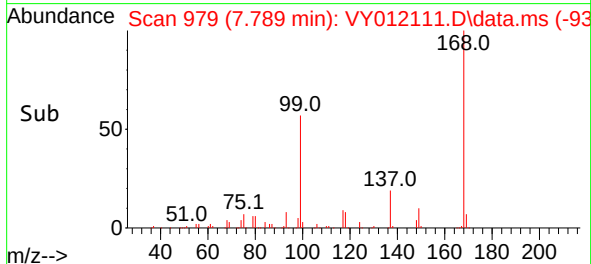
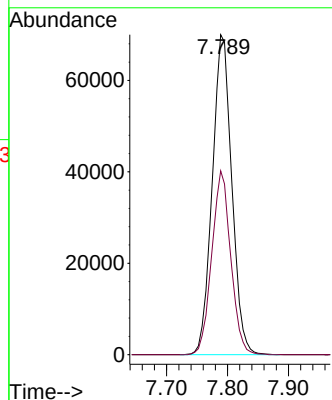
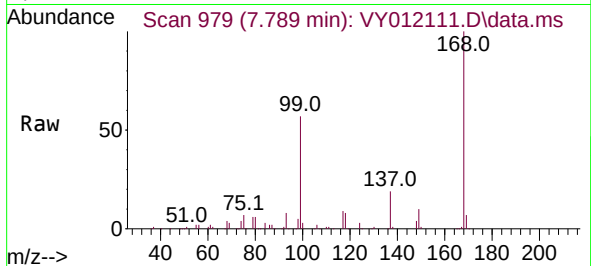




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012111.D
Acq: 09 Jan 2023 15:24

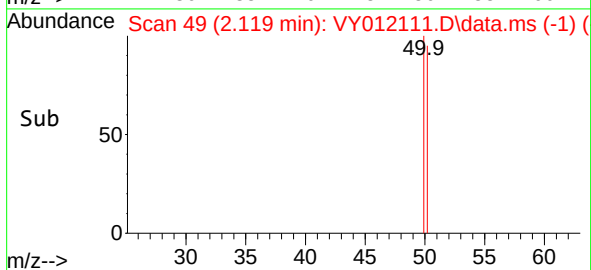
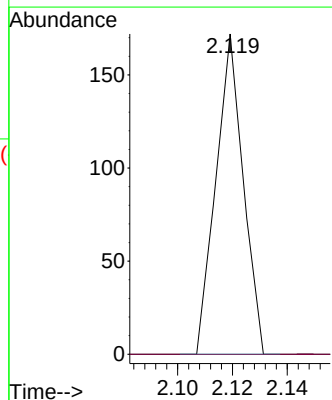
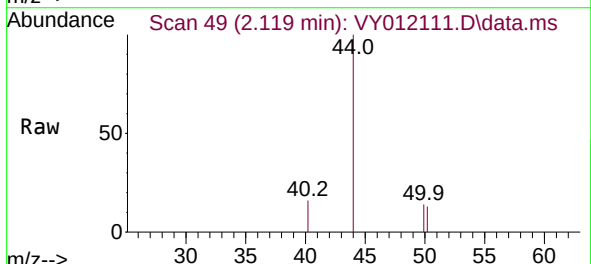
Instrument :
MSVOA_Y
ClientSampleId :
S4-03

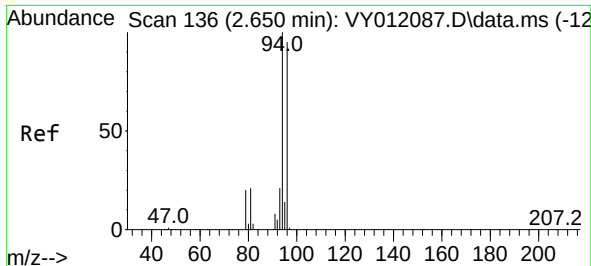
Tgt Ion:168 Resp: 155574
Ion Ratio Lower Upper
168 100
99 57.5 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY012111.D
Acq: 09 Jan 2023 15:24

Tgt Ion: 50 Resp: 119
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

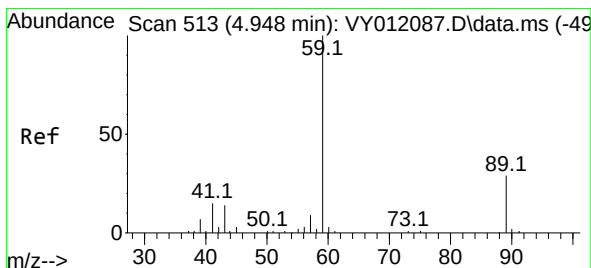
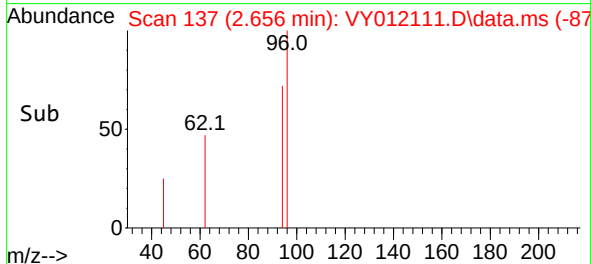
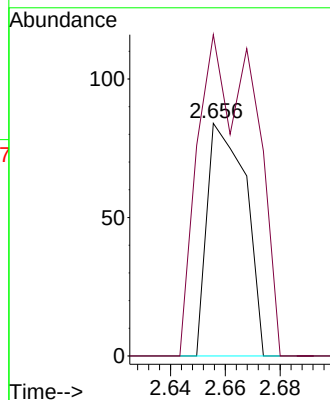
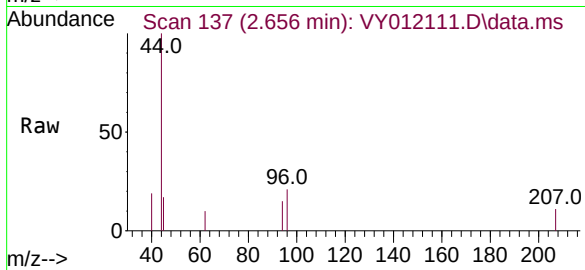




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY012111.D
Acq: 09 Jan 2023 15:24

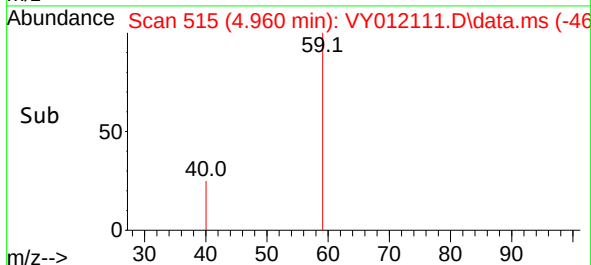
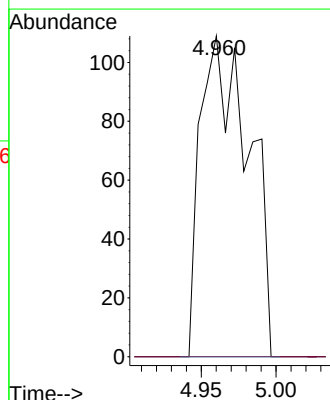
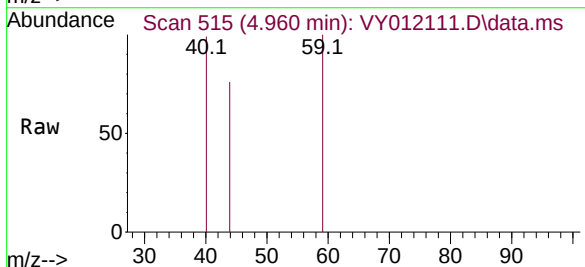
Instrument :
MSVOA_Y
ClientSampleId :
S4-03

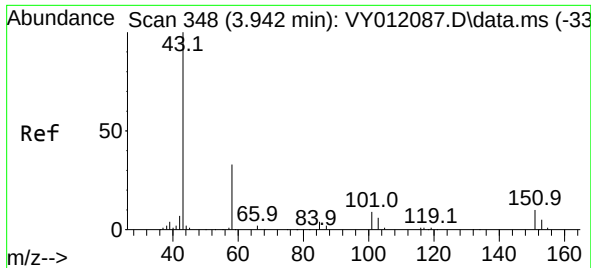
Tgt Ion: 94 Resp: 82
Ion Ratio Lower Upper
94 100
96 138.1 77.4 116.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY012111.D
Acq: 09 Jan 2023 15:24

Tgt Ion: 59 Resp: 246
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 3.025 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY012111.D

Acq: 09 Jan 2023 15:24

Instrument :

MSVOA_Y

ClientSampleId :

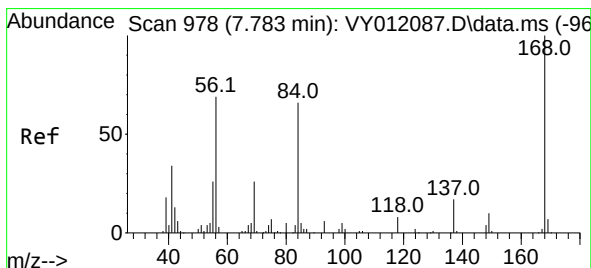
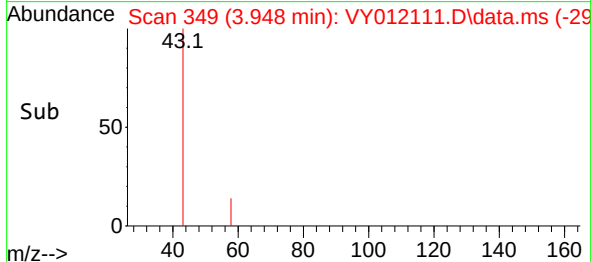
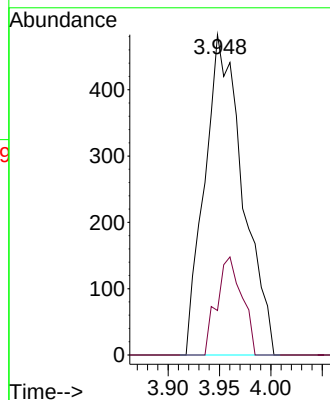
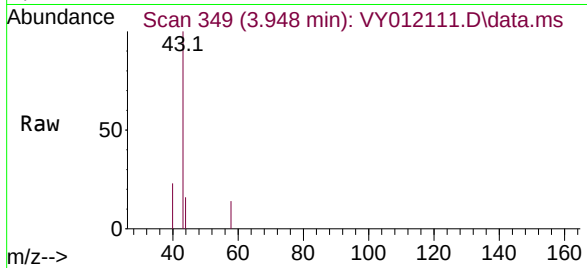
S4-03

Tgt Ion: 43 Resp: 1244

Ion Ratio Lower Upper

43 100

58 13.9 27.9 41.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012111.D

Acq: 09 Jan 2023 15:24

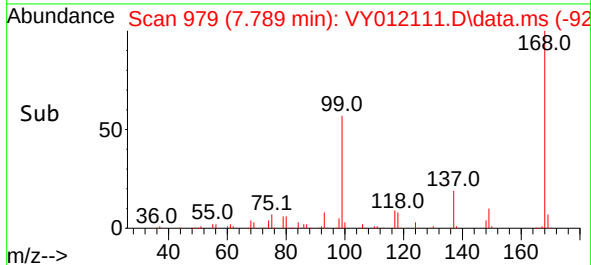
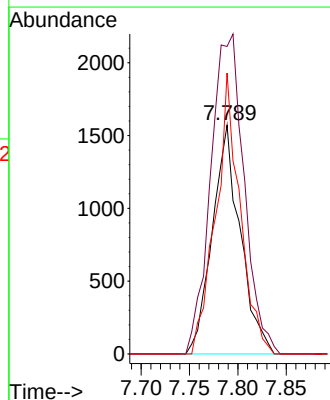
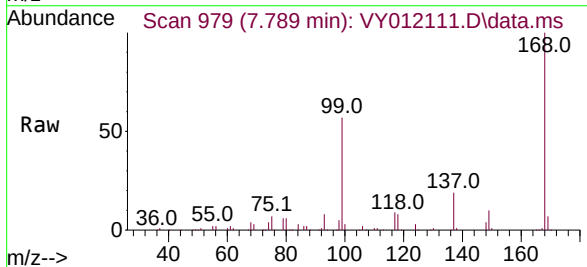
Tgt Ion: 56 Resp: 3163

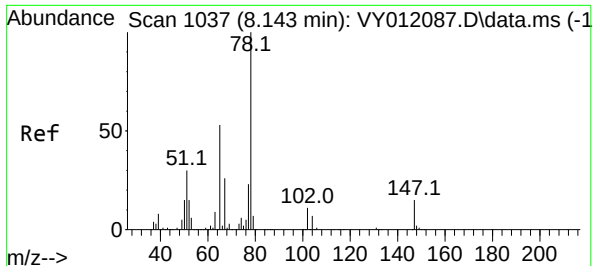
Ion Ratio Lower Upper

56 100

69 134.4 29.2 43.8#

84 122.8 72.6 108.8#

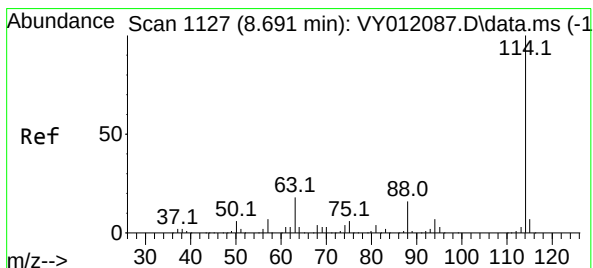
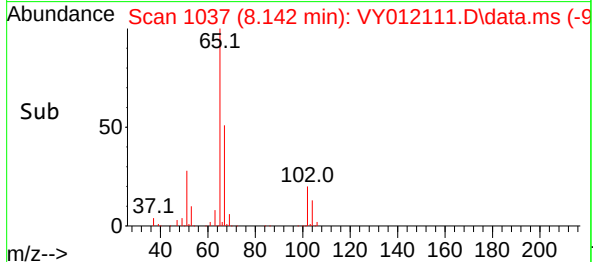
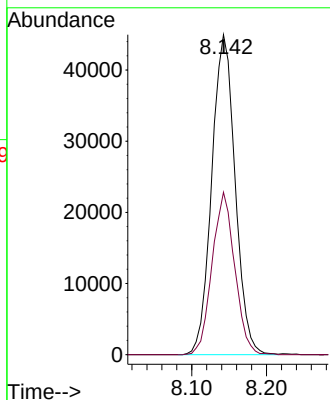
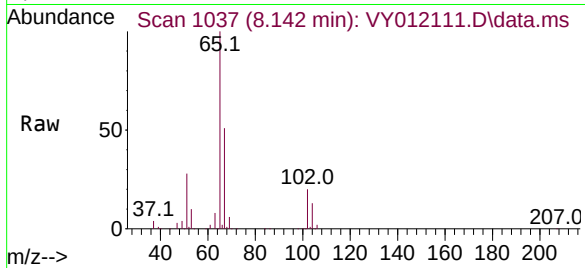




#33
 1,2-Dichloroethane-d4
 Concen: 56.030 ug/l
 RT: 8.142 min Scan# 1103
 Delta R.T. -0.001 min
 Lab File: VY012111.D
 Acq: 09 Jan 2023 15:24

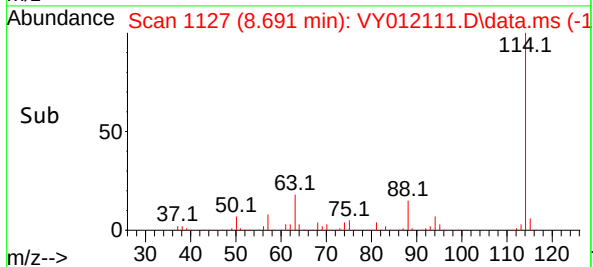
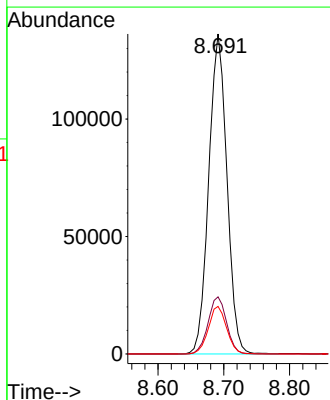
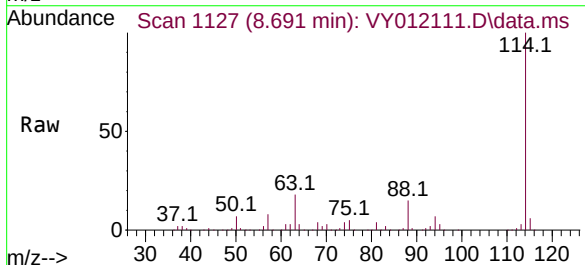
Instrument :
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 ClientSampleId :
 S4-03

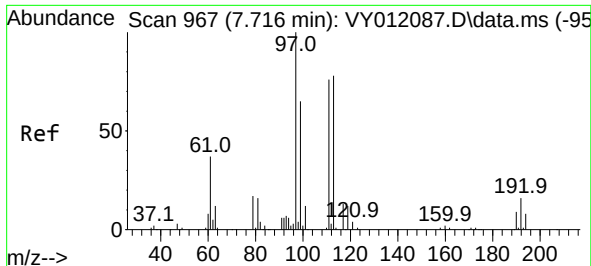
Tgt Ion: 65 Resp: 97948
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012111.D
 Acq: 09 Jan 2023 15:24

Tgt Ion:114 Resp: 261770
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 39.6
 88 14.9 0.0 32.2

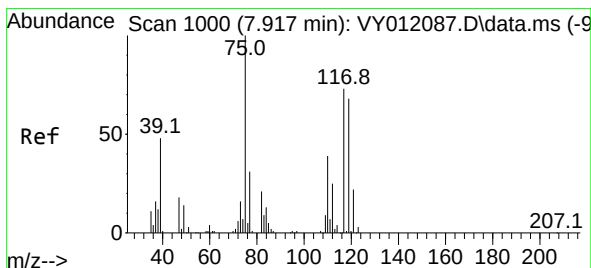
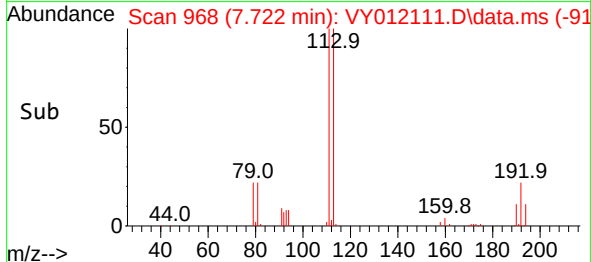
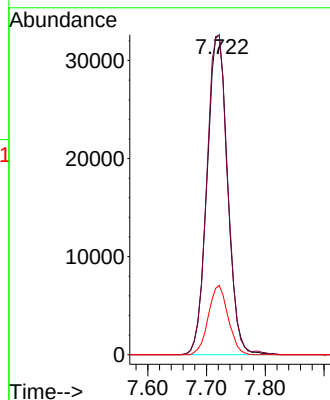
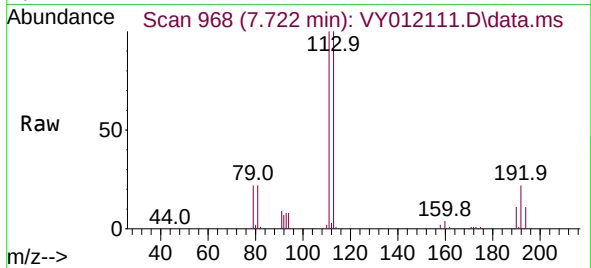




#35
Dibromofluoromethane
Concen: 46.127 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY012111.D
Acq: 09 Jan 2023 15:24

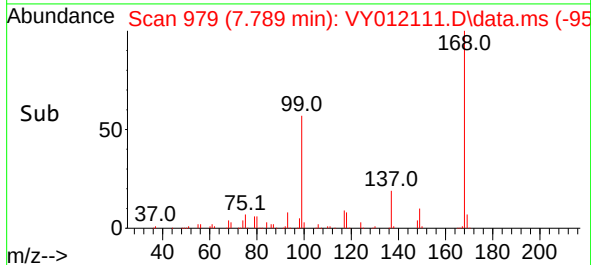
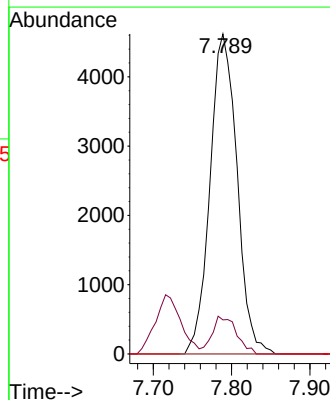
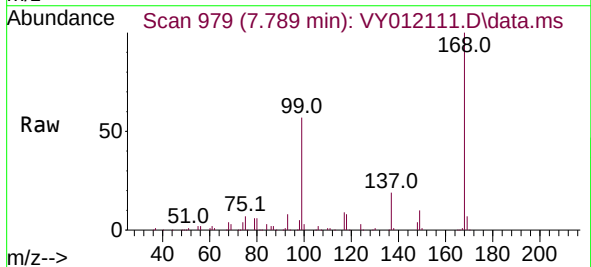
Instrument :
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ClientSampleId :
S4-03

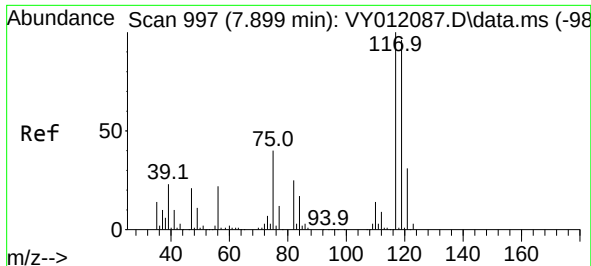
Tgt Ion:113 Resp: 79364
Ion Ratio Lower Upper
113 100
111 101.0 83.0 124.4
192 20.8 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.238 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012111.D
Acq: 09 Jan 2023 15:24

Tgt Ion: 75 Resp: 11062
Ion Ratio Lower Upper
75 100
110 10.6 18.1 54.1#
77 0.0 25.1 37.7#

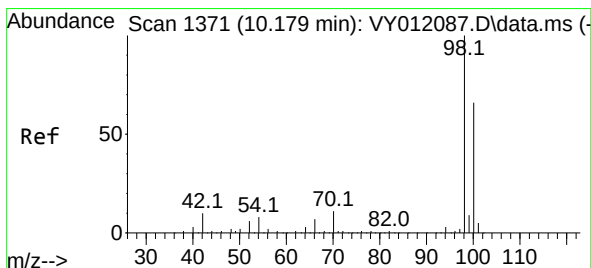
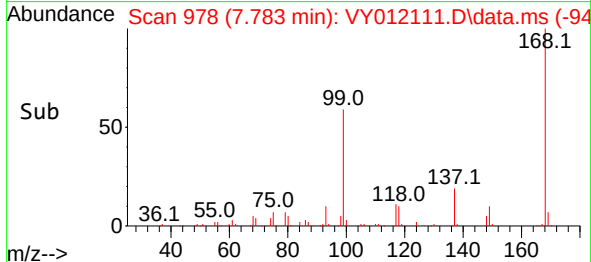
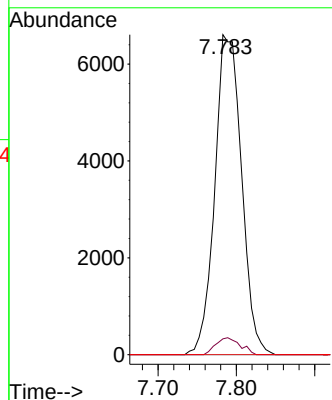
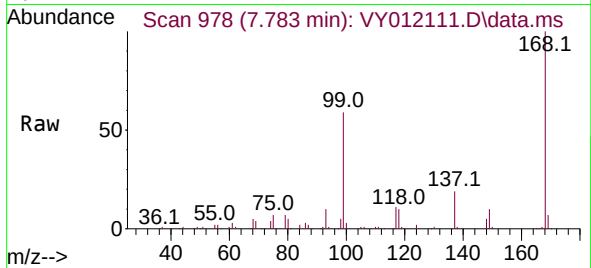




#38
Carbon Tetrachloride
Concen: 4.731 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012111.D
Acq: 09 Jan 2023 15:24

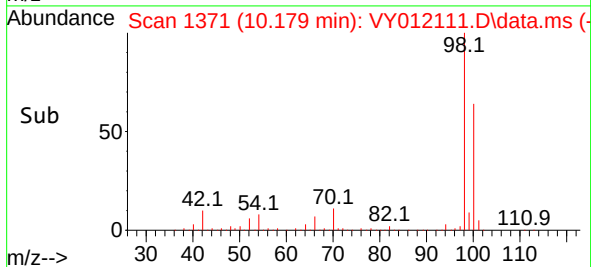
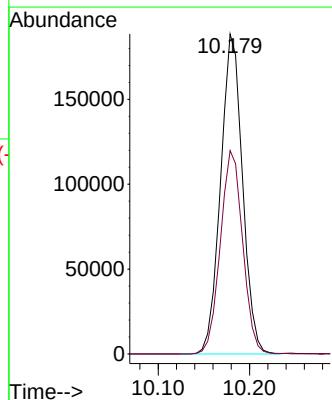
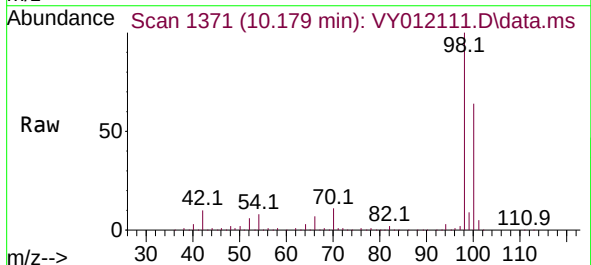
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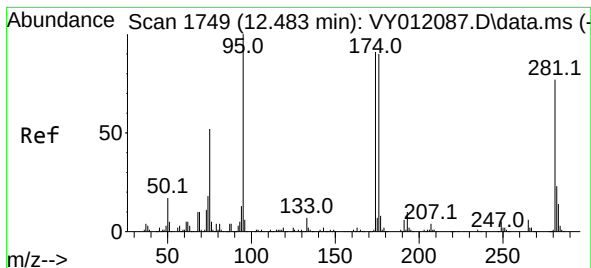
Tgt Ion:117 Resp: 15674
Ion Ratio Lower Upper
117 100
119 5.0 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 46.222 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012111.D
Acq: 09 Jan 2023 15:24

Tgt Ion: 98 Resp: 313898
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9

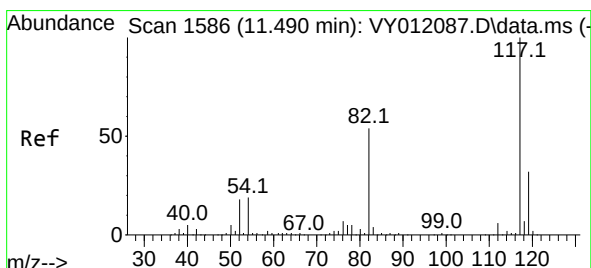
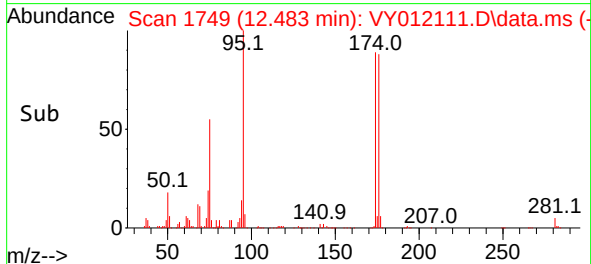
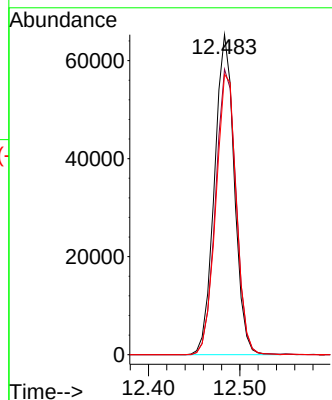
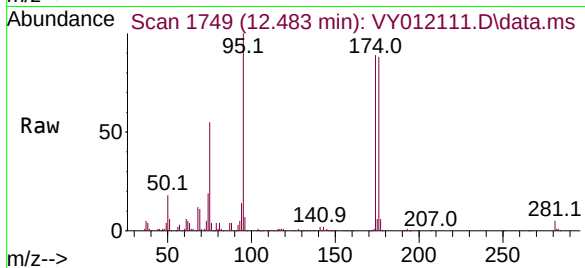




#62
4-Bromofluorobenzene
Concen: 41.583 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012111.D
Acq: 09 Jan 2023 15:24

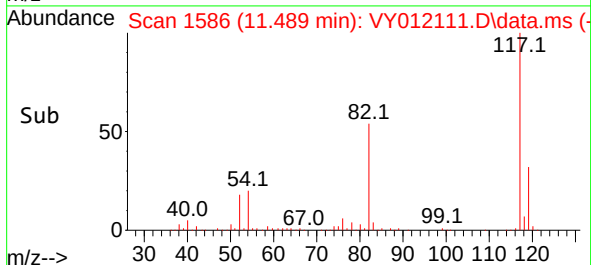
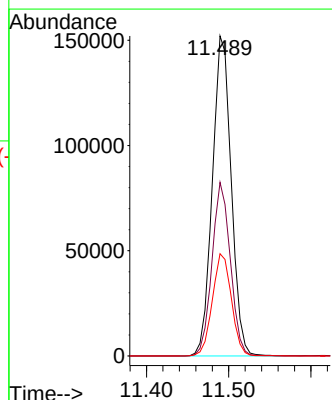
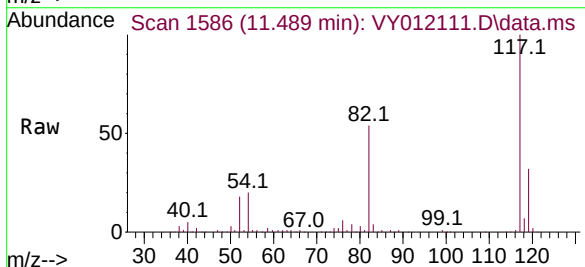
Instrument :
MSVOA_Y
ClientSampleId :
S4-03

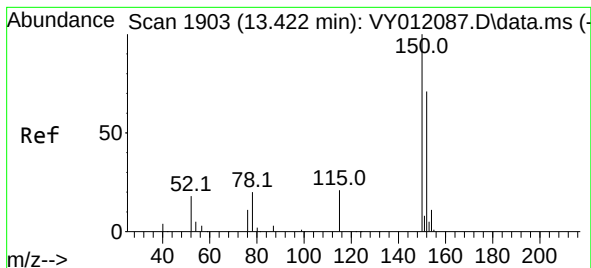
Tgt Ion: 95 Resp: 98710
Ion Ratio Lower Upper
95 100
174 92.2 0.0 172.0
176 90.1 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012111.D
Acq: 09 Jan 2023 15:24

Tgt Ion: 117 Resp: 242348
Ion Ratio Lower Upper
117 100
82 54.3 44.8 67.2
119 32.0 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: VY012111.D

Acq: 09 Jan 2023 15:24

Instrument :

MSVOA_Y

ClientSampleId :

S4-03

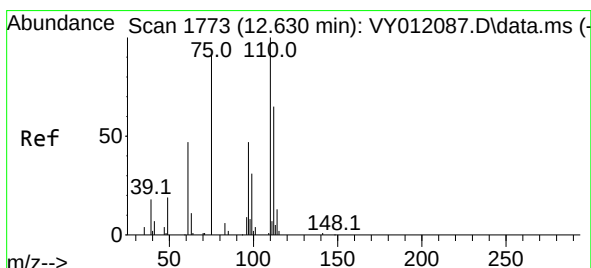
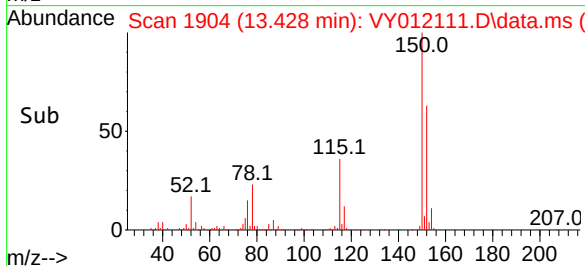
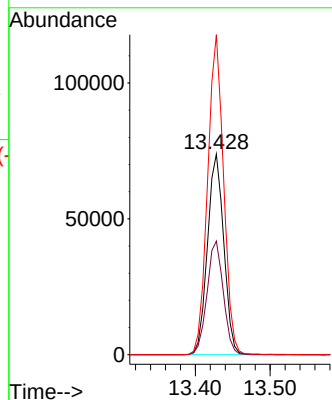
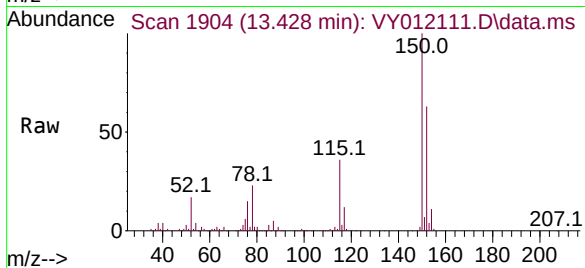
Tgt Ion:152 Resp: 111845

Ion Ratio Lower Upper

152 100

115 56.7 29.1 87.3

150 156.2 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 41.711 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012111.D

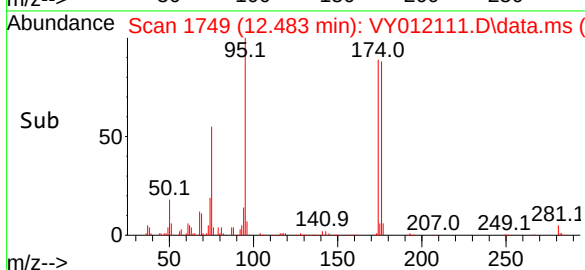
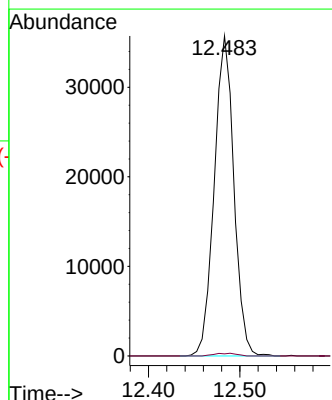
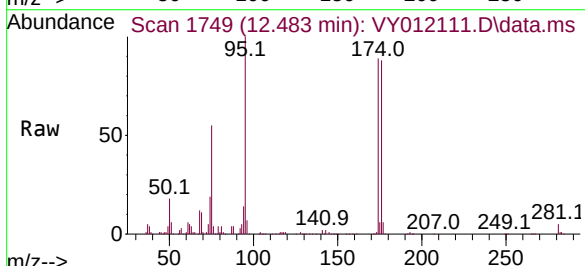
Acq: 09 Jan 2023 15:24

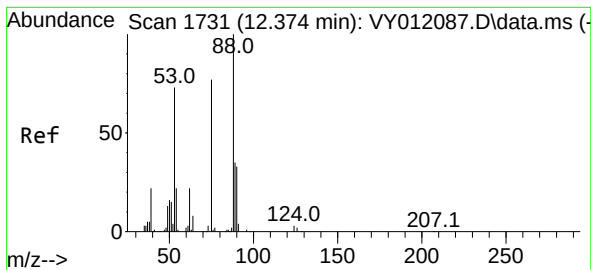
Tgt Ion: 75 Resp: 53267

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.634 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012111.D
 Acq: 09 Jan 2023 15:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 S4-03

Tgt Ion: 75 Resp: 53267
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#

