

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011923\
 Data File : VY012270.D
 Acq On : 19 Jan 2023 16:57
 Operator : KP/MD
 Sample : 01190-10
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-9

Quant Time: Jan 20 03:25:04 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	18242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	27651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	25761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	11062	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	10962	74.418	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	148.840%
35) Dibromofluoromethane	7.716	113	8817	60.220	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	120.440%
50) Toluene-d8	10.179	98	31667	63.602	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	127.200%
62) 4-Bromofluorobenzene	12.483	95	9555	46.294	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.580%

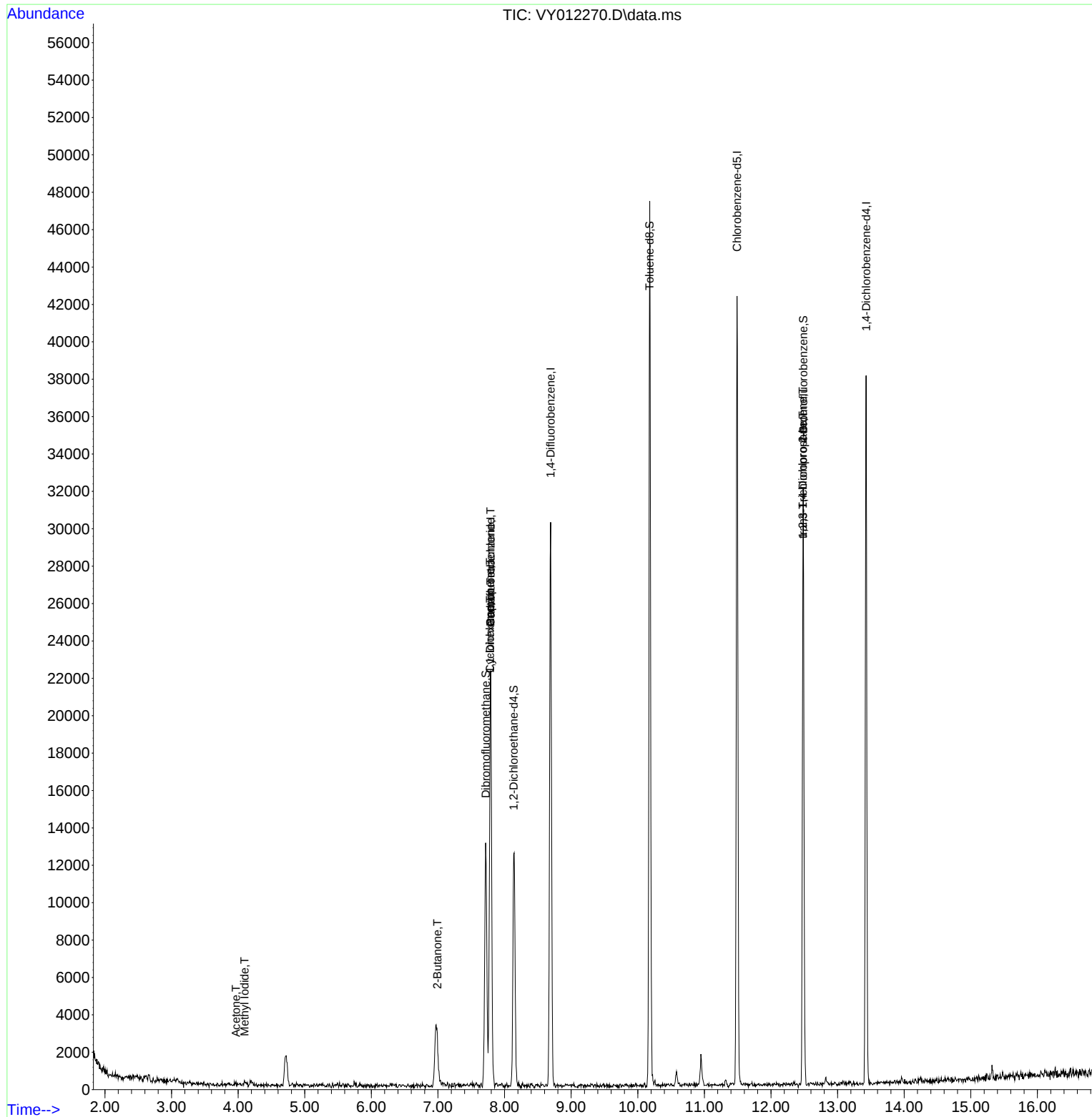
Target Compounds					Qvalue	
10) Methyl Iodide	4.095	142	358	1.444	ug/l #	53
11) Tert butyl alcohol	4.936	59	53	Below Cal	#	74
16) Acetone	3.967	43	211	4.154	ug/l #	40
20) Methylene Chloride	4.716	84	1555	Below Cal	#	80
25) 2-Butanone	6.990	43	87	1.551	ug/l #	46
31) Cyclohexane	7.783	56	333	1.252	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	1147	4.610	ug/l #	45
38) Carbon Tetrachloride	7.789	117	1809	5.629	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	4674	45.950	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	4674	94.677	ug/l #	13

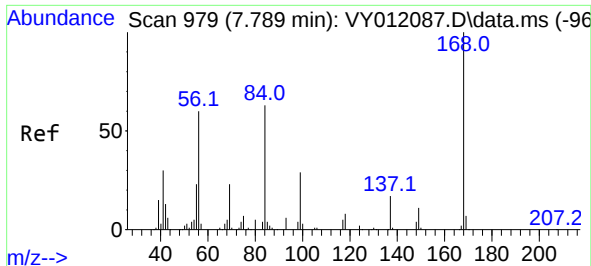
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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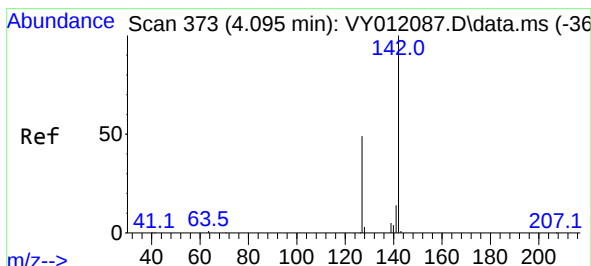
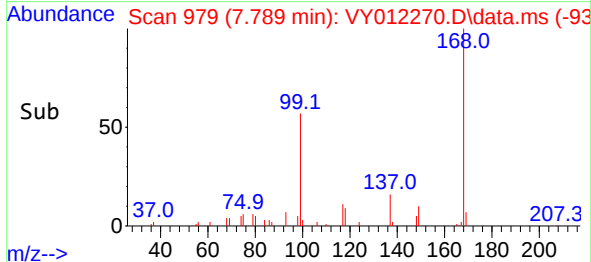
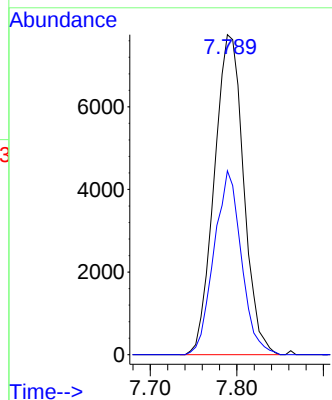
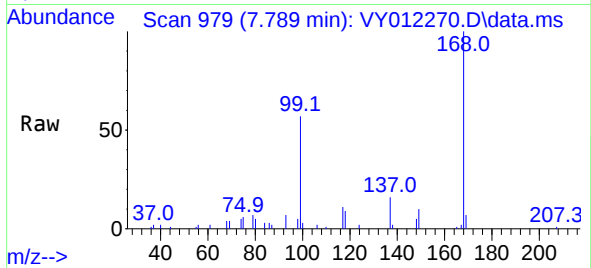




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012270.D
Acq: 19 Jan 2023 16:57

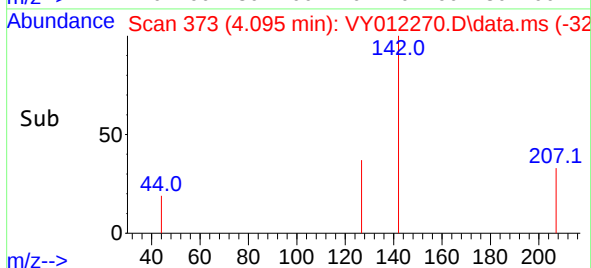
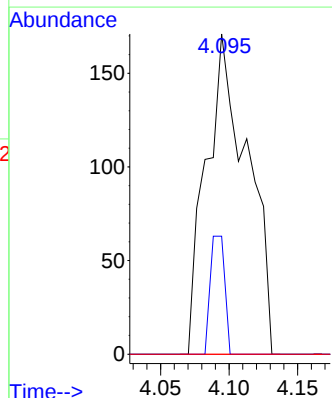
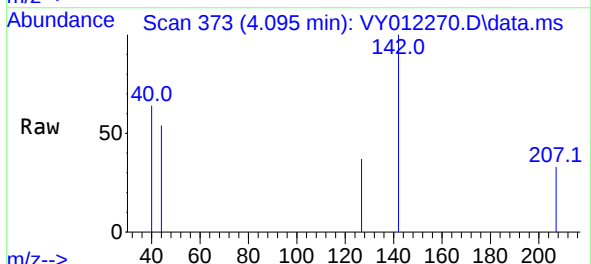
Instrument :
MSVOA_Y
ClientSampleId :
PE-9

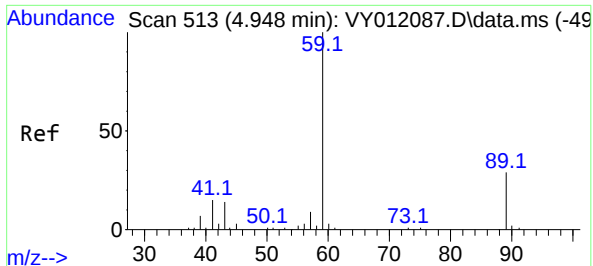
Tgt Ion:168 Resp: 18242
Ion Ratio Lower Upper
168 100
99 57.4 44.0 66.0



#10
Methyl Iodide
Concen: 1.444 ug/l
RT: 4.095 min Scan# 373
Delta R.T. -0.000 min
Lab File: VY012270.D
Acq: 19 Jan 2023 16:57

Tgt Ion:142 Resp: 358
Ion Ratio Lower Upper
142 100
127 12.8 37.0 55.4#
141 0.0 11.4 17.0#

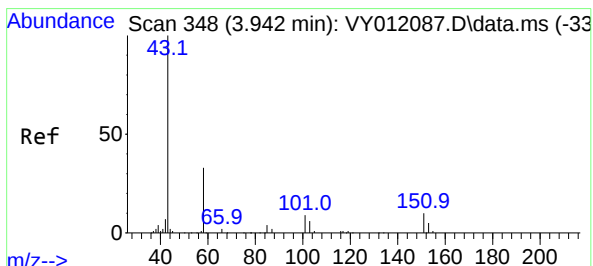
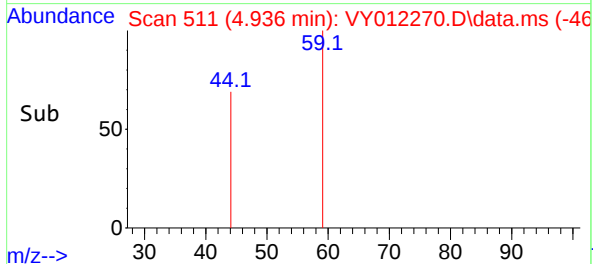
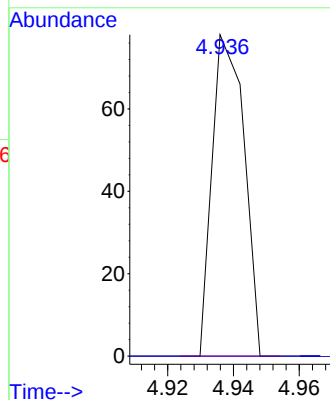
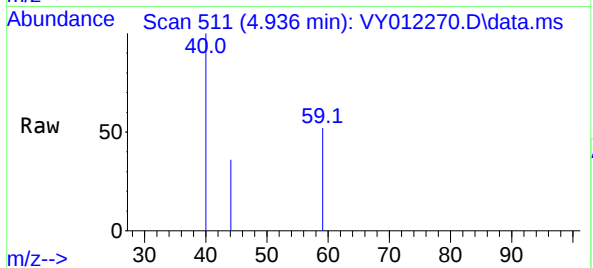




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012270.D
Acq: 19 Jan 2023 16:57

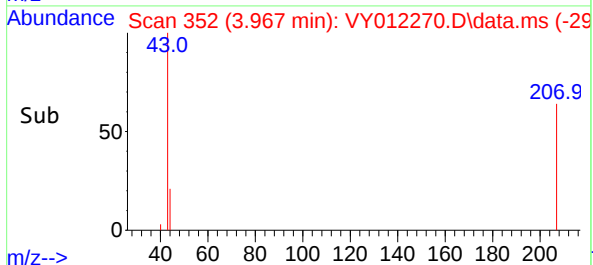
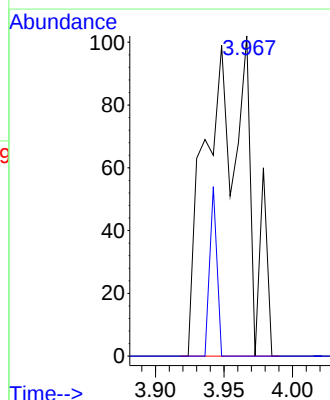
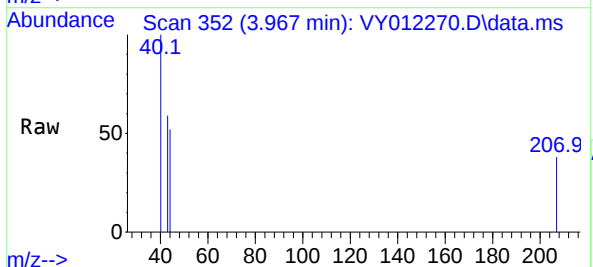
Instrument :
MSVOA_Y
ClientSampleId :
PE-9

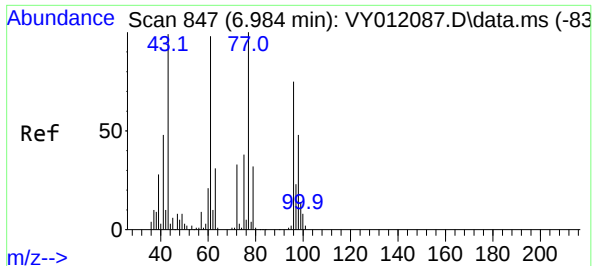
Tgt Ion: 59 Resp: 53
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 4.154 ug/l
RT: 3.967 min Scan# 352
Delta R.T. 0.025 min
Lab File: VY012270.D
Acq: 19 Jan 2023 16:57

Tgt Ion: 43 Resp: 211
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#





#25

2-Butanone

Concen: 1.551 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY012270.D

Acq: 19 Jan 2023 16:57

Instrument :

MSVOA_Y

ClientSampleId :

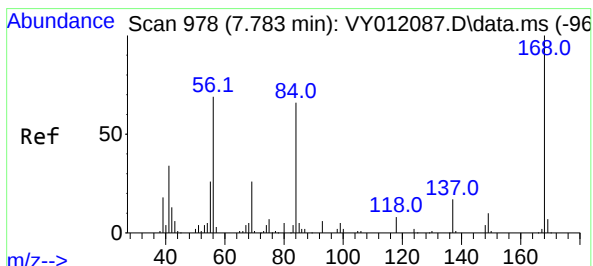
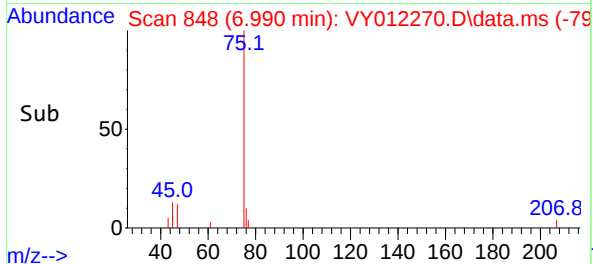
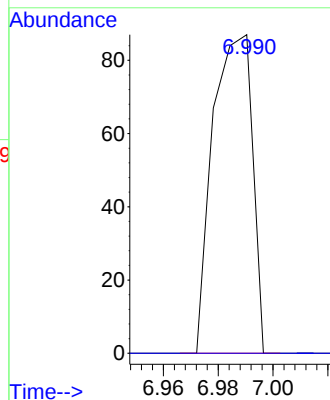
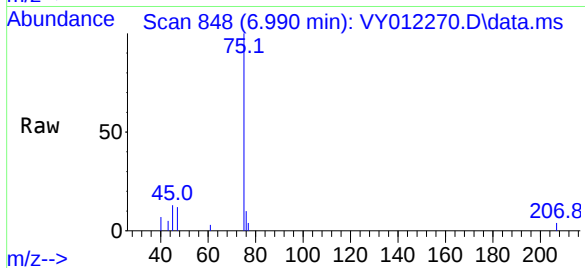
PE-9

Tgt Ion: 43 Resp: 87

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#31

Cyclohexane

Concen: 1.252 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY012270.D

Acq: 19 Jan 2023 16:57

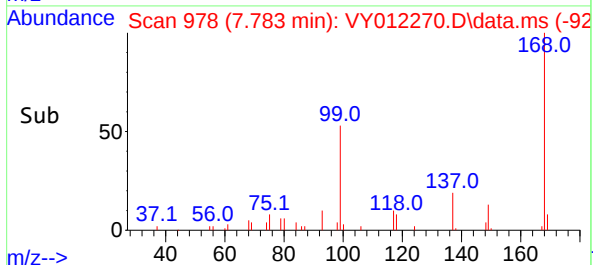
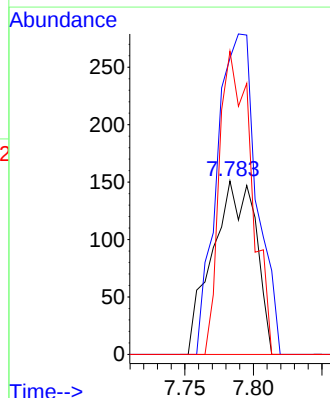
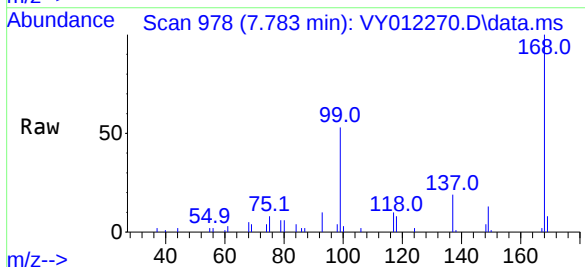
Tgt Ion: 56 Resp: 333

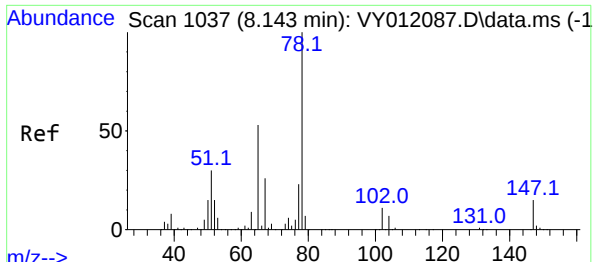
Ion Ratio Lower Upper

56 100

69 170.9 29.2 43.8#

84 174.8 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 74.418 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY012270.D

Acq: 19 Jan 2023 16:57

Instrument :

MSVOA_Y

ClientSampleId :

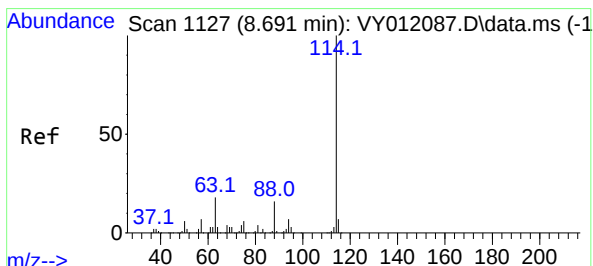
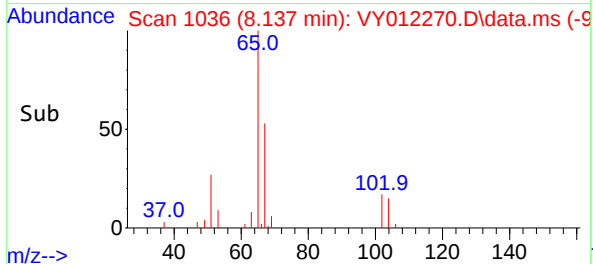
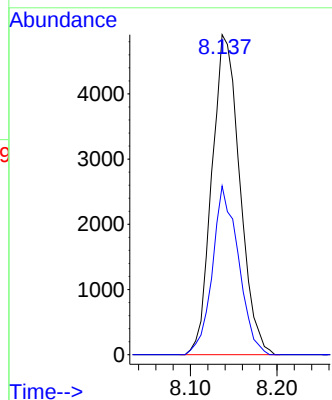
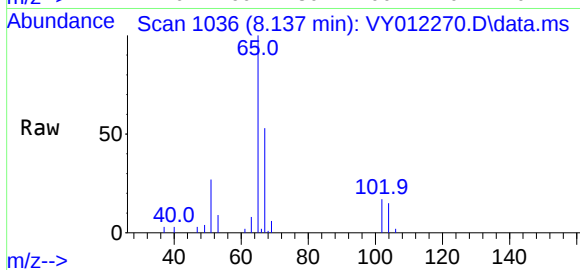
PE-9

Tgt Ion: 65 Resp: 10962

Ion Ratio Lower Upper

65 100

67 49.2 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: VY012270.D

Acq: 19 Jan 2023 16:57

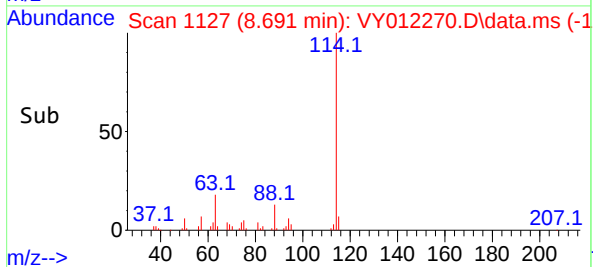
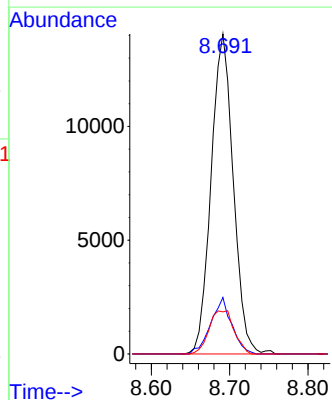
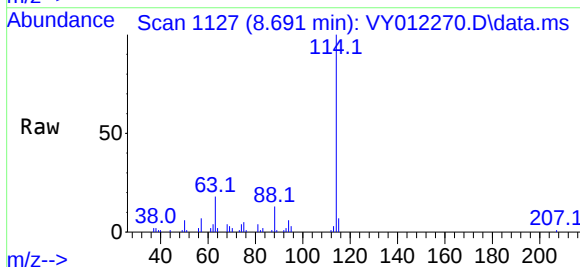
Tgt Ion: 114 Resp: 27651

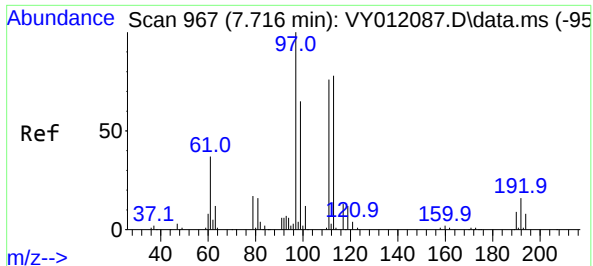
Ion Ratio Lower Upper

114 100

63 17.6 0.0 39.6

88 13.2 0.0 32.2

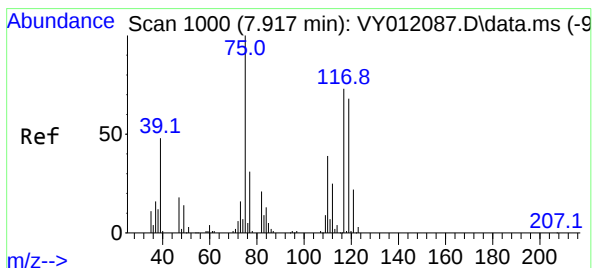
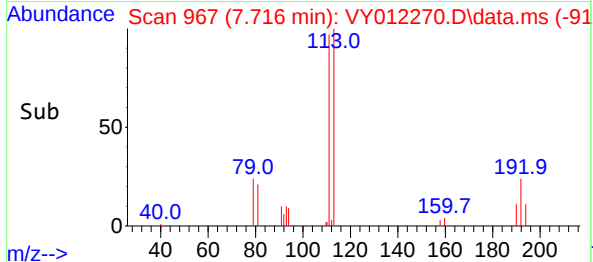
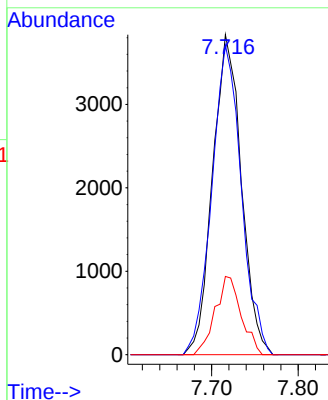
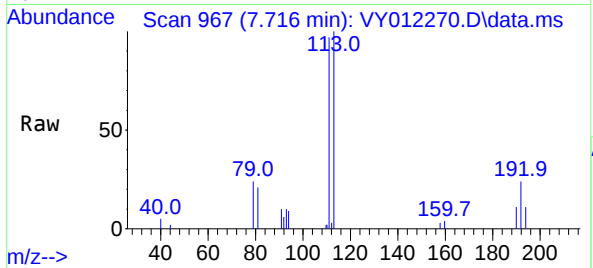




#35
Dibromofluoromethane
Concen: 60.220 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012270.D
Acq: 19 Jan 2023 16:57

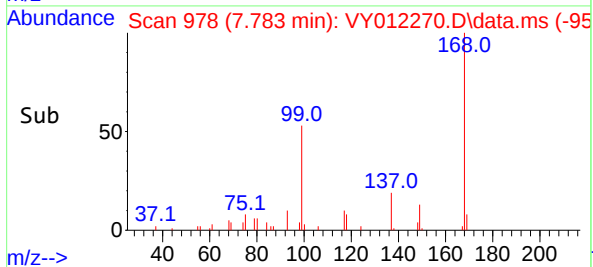
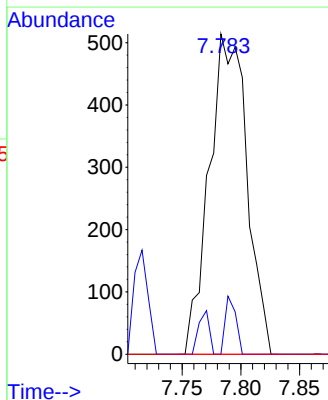
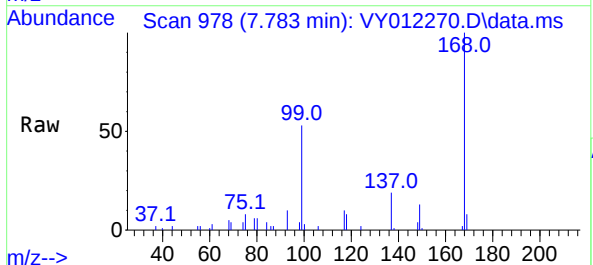
Instrument :
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PE-9

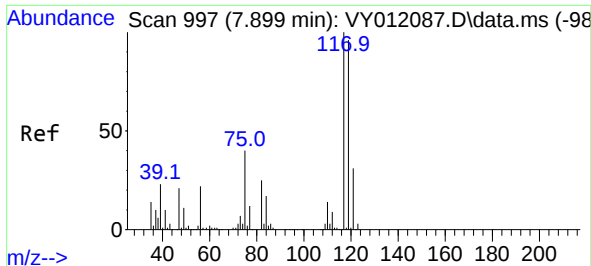
Tgt Ion:	113	Resp:	8817
Ion	Ratio	Lower	Upper
113	100		
111	99.5	83.0	124.4
192	22.1	16.0	24.0



#36
1,1-Dichloropropene
Concen: 4.610 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012270.D
Acq: 19 Jan 2023 16:57

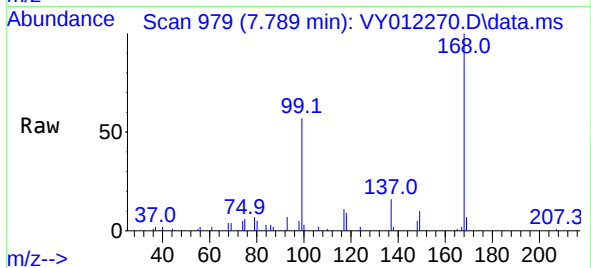
Tgt Ion:	75	Resp:	1147
Ion	Ratio	Lower	Upper
75	100		
110	5.1	18.1	54.1#
77	0.0	25.1	37.7#



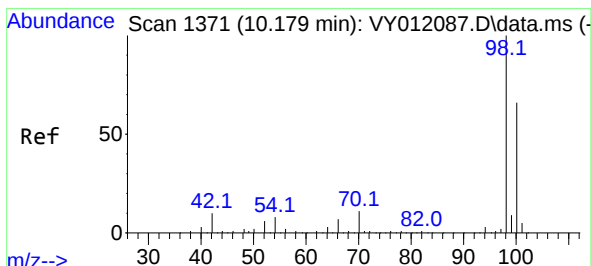
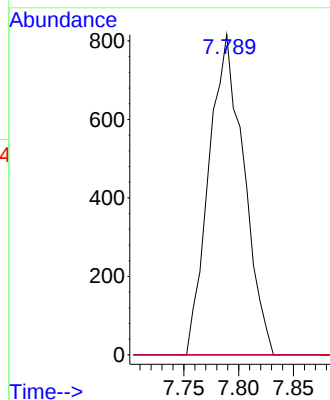
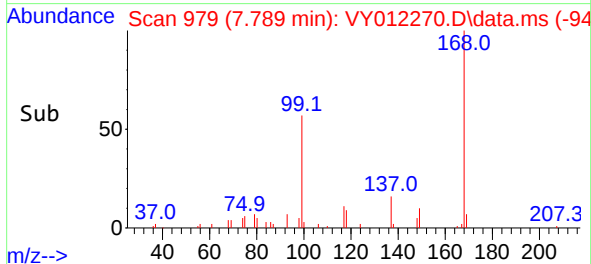


#38
Carbon Tetrachloride
Concen: 5.629 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012270.D
Acq: 19 Jan 2023 16:57

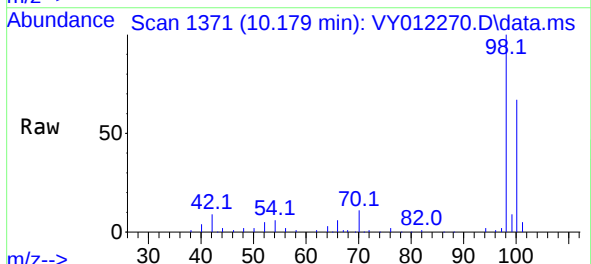
Instrument :
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ClientSampleId :
PE-9



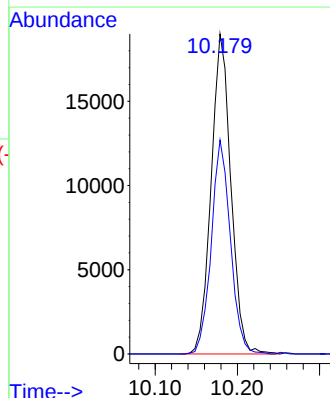
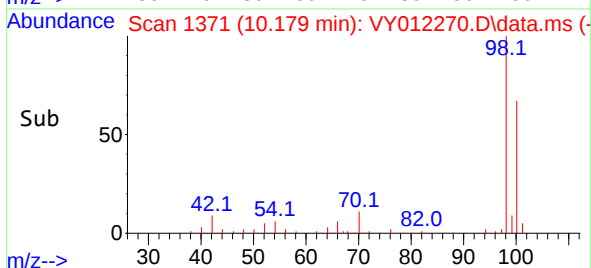
Tgt Ion:117 Resp: 1809
Ion Ratio Lower Upper
117 100
119 0.0 73.8 110.8#
121 0.0 25.2 37.8#

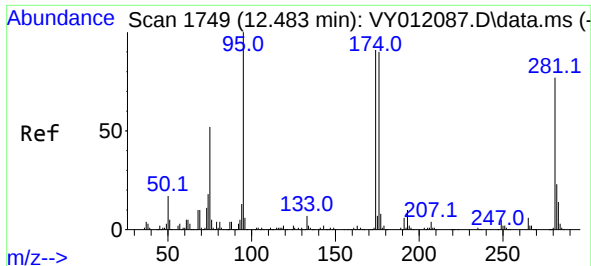


#50
Toluene-d8
Concen: 63.602 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012270.D
Acq: 19 Jan 2023 16:57



Tgt Ion: 98 Resp: 31667
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9

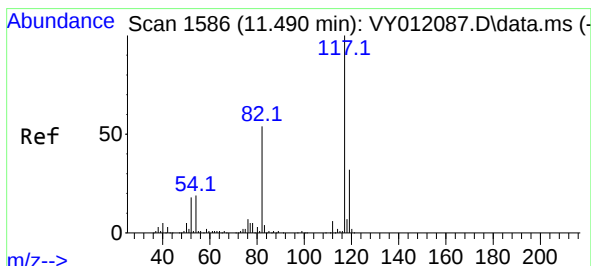
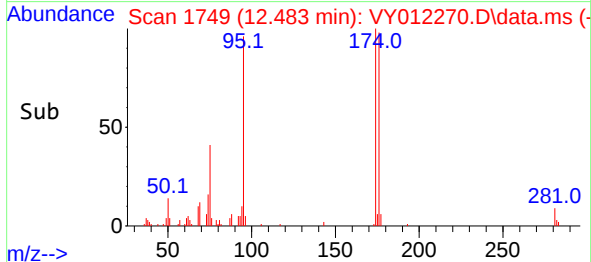
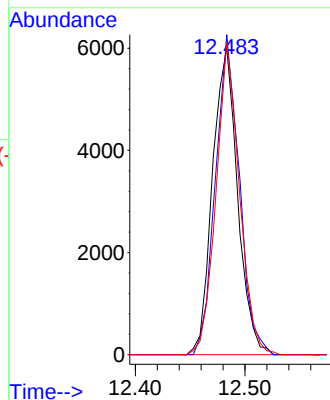
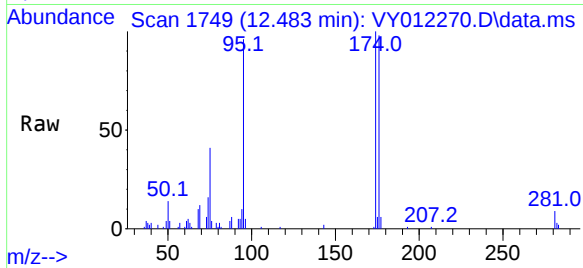




#62
4-Bromofluorobenzene
Concen: 46.294 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012270.D
Acq: 19 Jan 2023 16:57

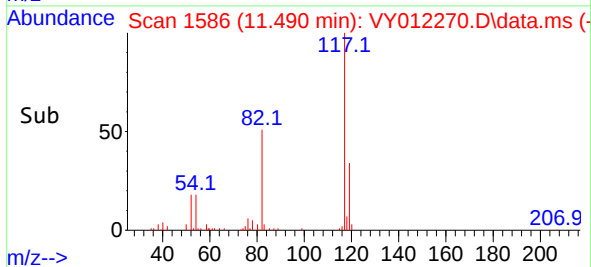
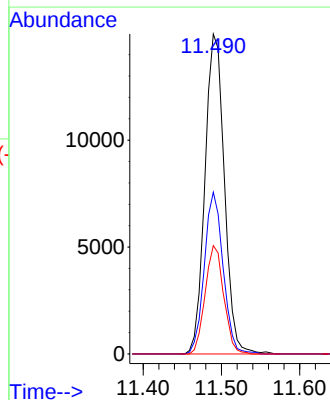
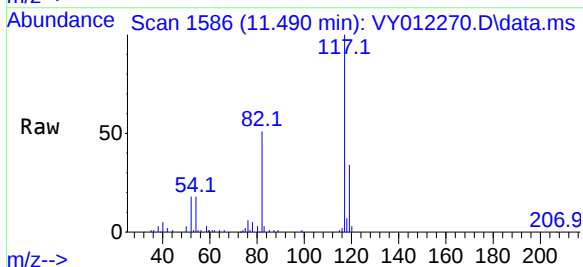
Instrument :
MSVOA_Y
ClientSampleId :
PE-9

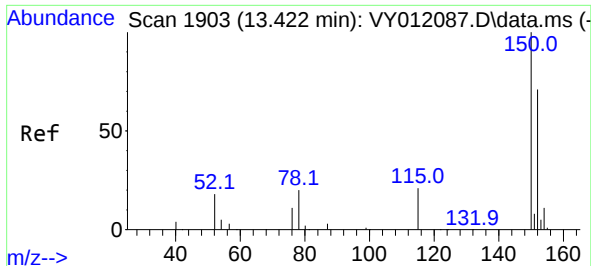
Tgt Ion: 95 Resp: 9555
Ion Ratio Lower Upper
95 100
174 98.8 0.0 172.0
176 94.7 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012270.D
Acq: 19 Jan 2023 16:57

Tgt Ion: 117 Resp: 25761
Ion Ratio Lower Upper
117 100
82 50.6 44.8 67.2
119 33.8 25.4 38.2

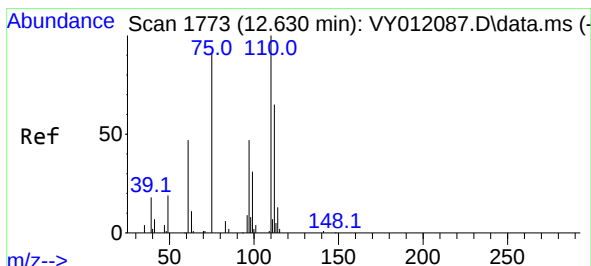
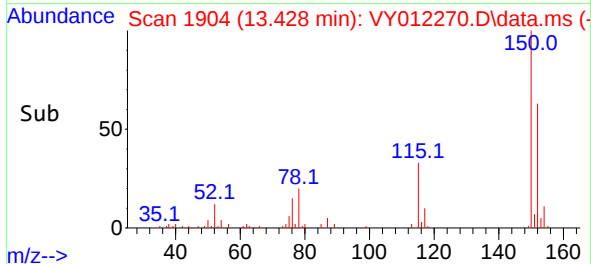
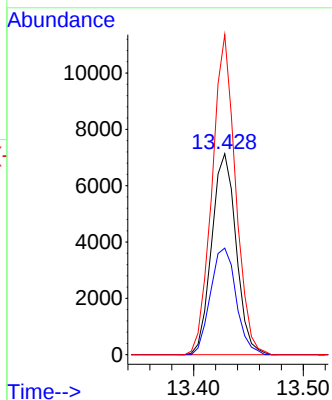
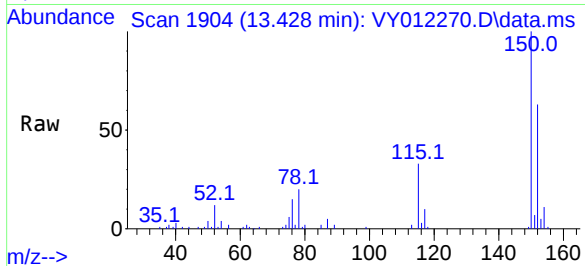




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY012270.D
Acq: 19 Jan 2023 16:57

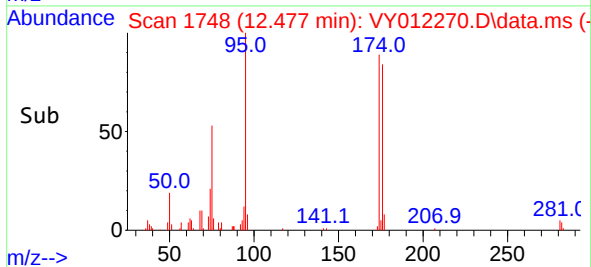
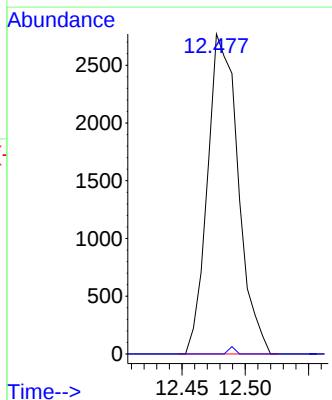
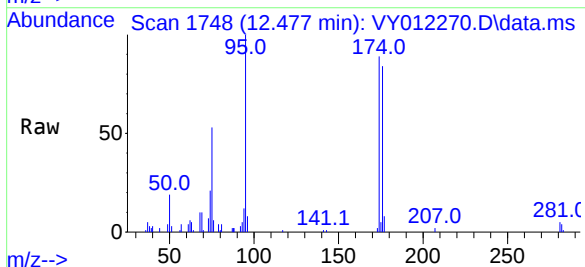
Instrument :
MSVOA_Y
ClientSampleId :
PE-9

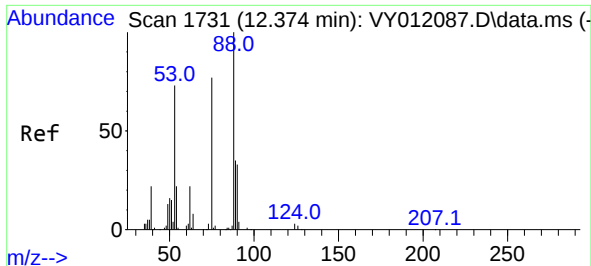
Tgt Ion:152 Resp: 11062
Ion Ratio Lower Upper
152 100
115 55.7 29.1 87.3
150 153.1 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 45.950 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY012270.D
Acq: 19 Jan 2023 16:57

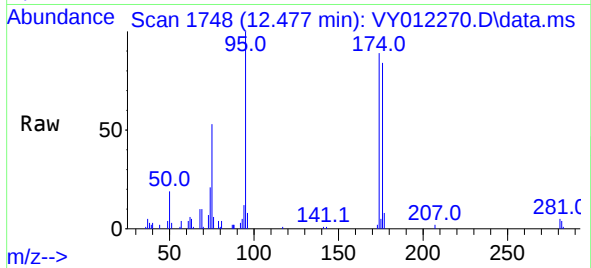
Tgt Ion: 75 Resp: 4674
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.677 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY012270.D
 Acq: 19 Jan 2023 16:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-9



Tgt Ion: 75 Resp: 4674
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#

