

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071823\
 Data File : VY014705.D
 Acq On : 18 Jul 2023 16:44
 Operator : SY/MD
 Sample : 03641-01
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP13

Quant Time: Jul 19 04:06:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

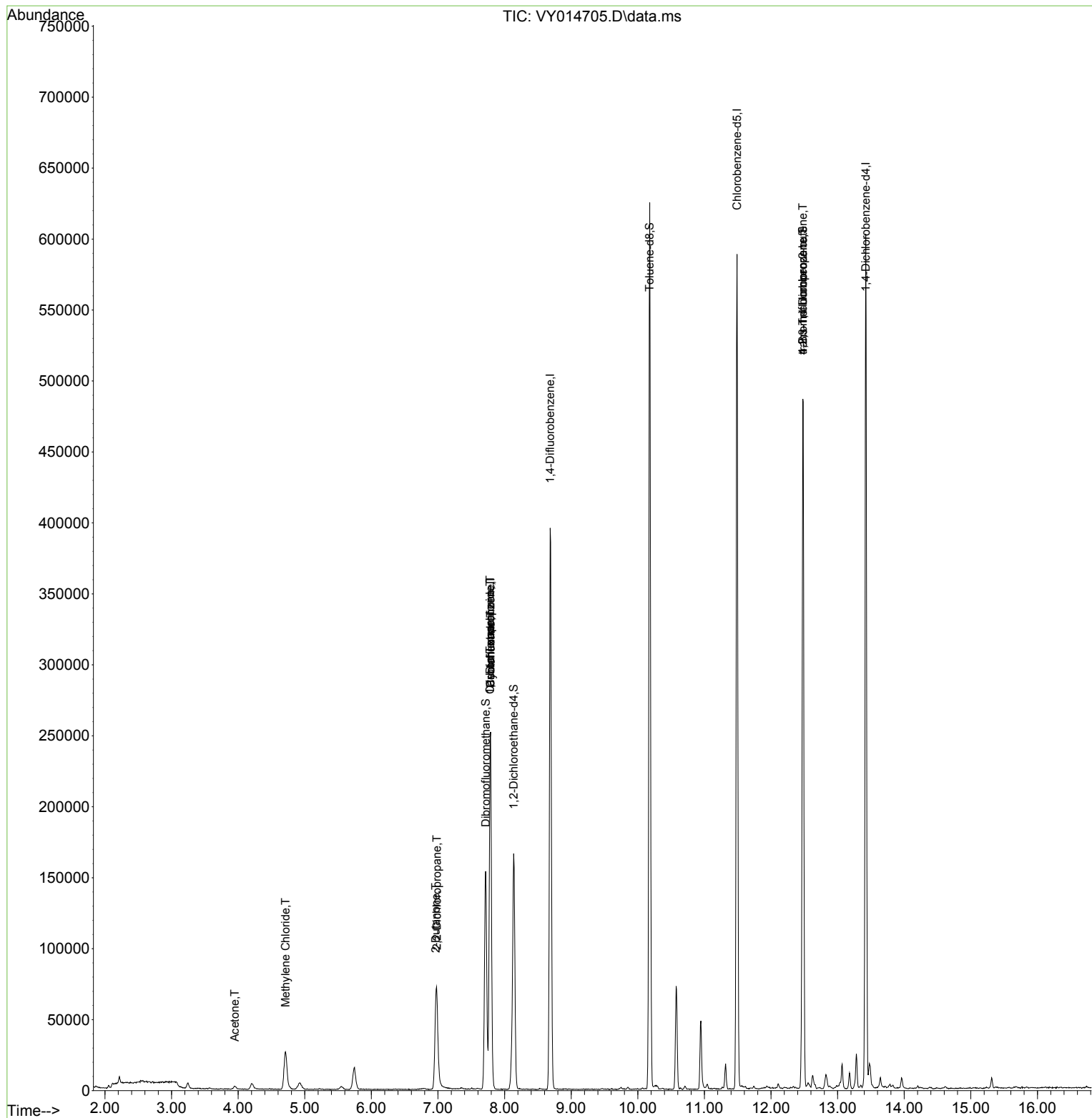
Internal Standards						
1) Pentafluorobenzene	7.789	168	199021	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	343217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	321392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	151744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	121360	53.512	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.020%			
35) Dibromofluoromethane	7.716	113	108755	49.777	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.560%			
50) Toluene-d8	10.179	98	407496	50.589	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.180%			
62) 4-Bromofluorobenzene	12.477	95	148811	48.181	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.360%			
Target Compounds						
11) Tert butyl alcohol	4.936	59	5035	Below Cal	#	92
16) Acetone	3.948	43	4069	5.662	ug/l	93
20) Methylene Chloride	4.710	84	20097	4.790	ug/l	89
25) 2-Butanone	6.966	43	4509	4.288	ug/l #	90
26) 2,2-Dichloropropane	6.984	77	5912	1.532	ug/l #	54
31) Cyclohexane	7.789	56	4211	1.119	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	15731	4.815	ug/l #	49
38) Carbon Tetrachloride	7.783	117	19678	5.697	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	79507	41.486	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	79507	80.324	ug/l #	11

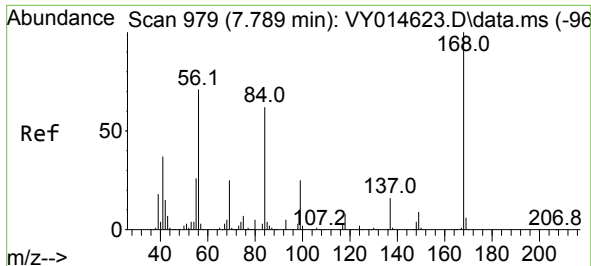
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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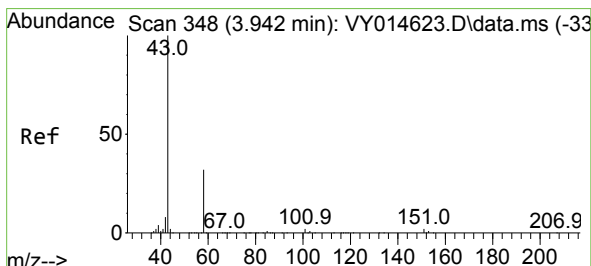
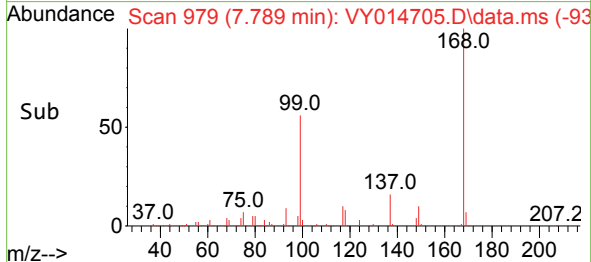
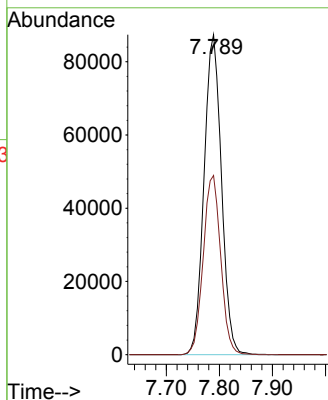
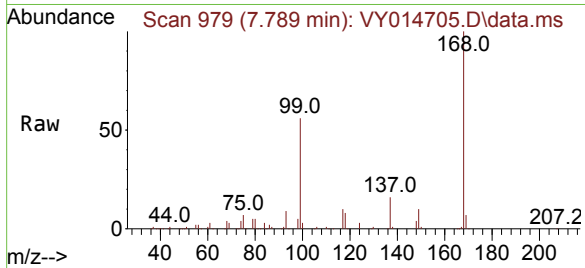




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014705.D
Acq: 18 Jul 2023 16:44

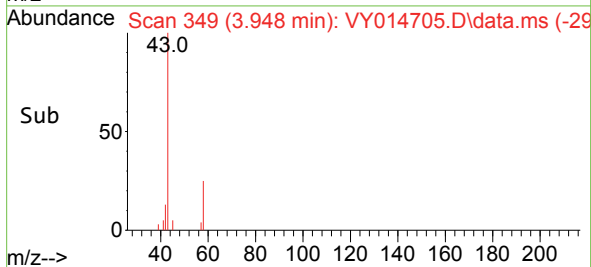
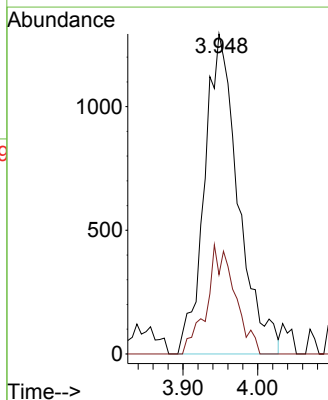
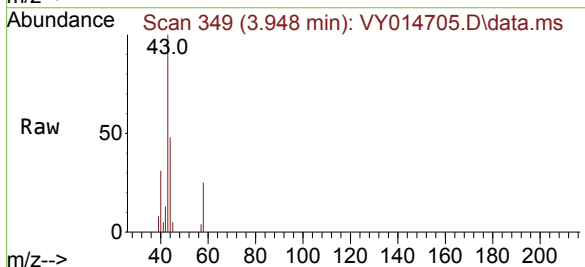
Instrument :
MSVOA_Y
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TP13

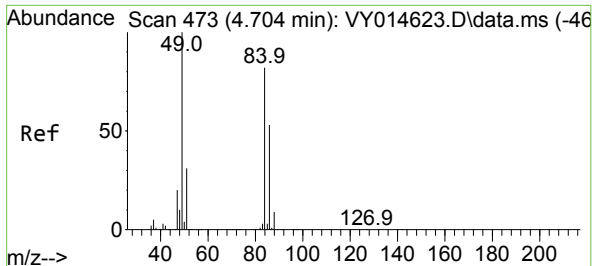
Tgt Ion:168 Resp: 199021
Ion Ratio Lower Upper
168 100
99 56.0 43.4 65.0



#16
Acetone
Concen: 5.662 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY014705.D
Acq: 18 Jul 2023 16:44

Tgt Ion: 43 Resp: 4069
Ion Ratio Lower Upper
43 100
58 24.8 22.7 34.1





#20

Methylene Chloride

Concen: 4.790 ug/l

RT: 4.710 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY014705.D

Acq: 18 Jul 2023 16:44

Instrument :

MSVOA_Y

ClientSampleId :

TP13

Tgt Ion: 84 Resp: 20097

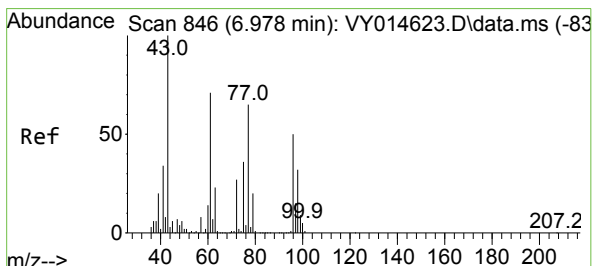
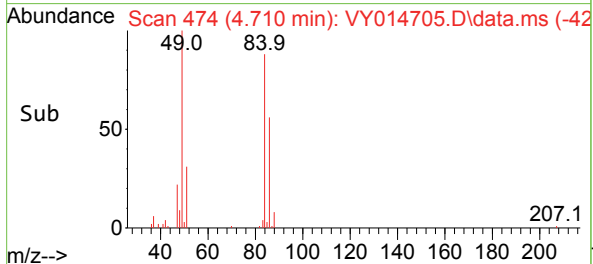
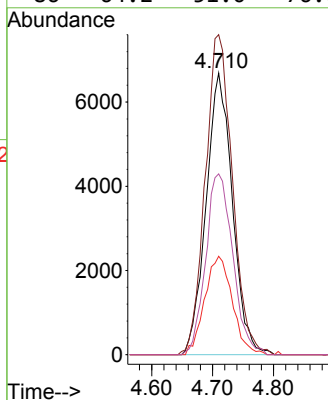
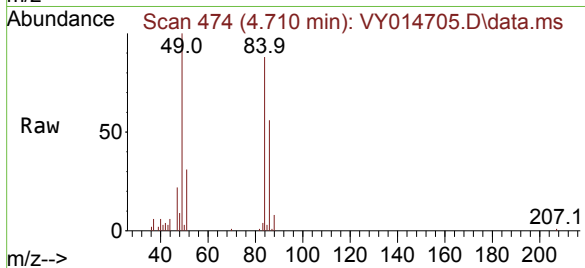
Ion Ratio Lower Upper

84 100

49 113.6 106.9 160.3

51 35.0 33.2 49.8

86 64.2 51.0 76.6



#25

2-Butanone

Concen: 4.288 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.012 min

Lab File: VY014705.D

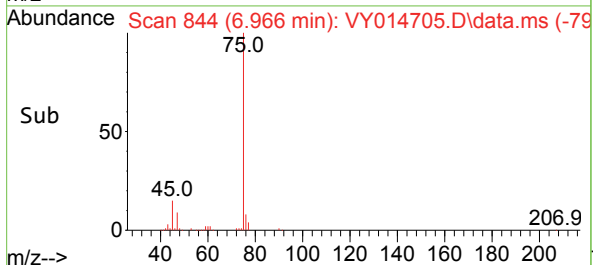
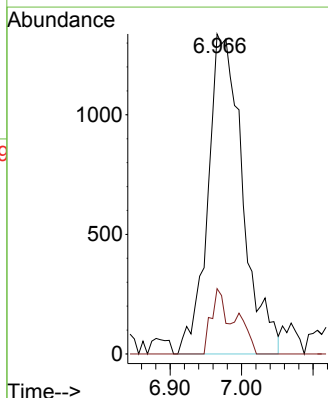
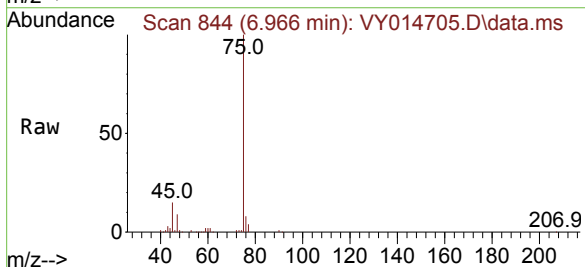
Acq: 18 Jul 2023 16:44

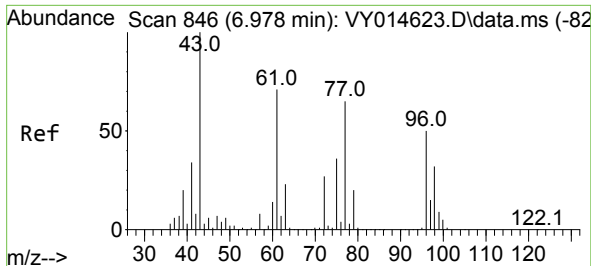
Tgt Ion: 43 Resp: 4509

Ion Ratio Lower Upper

43 100

72 20.4 20.5 30.7#

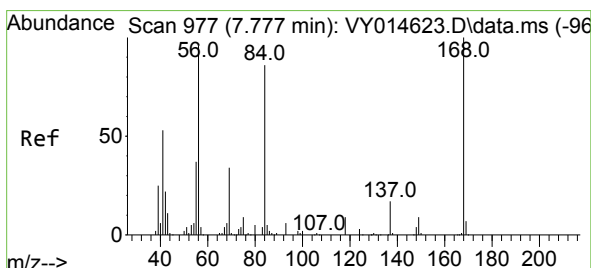
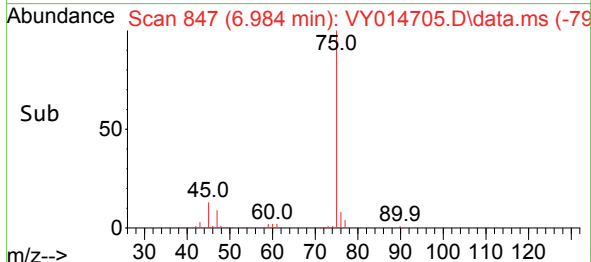
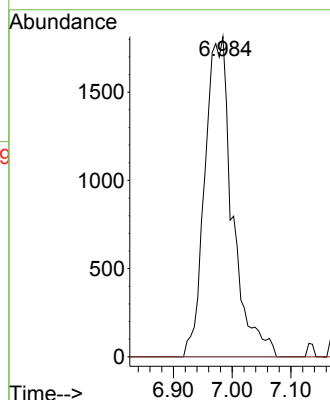
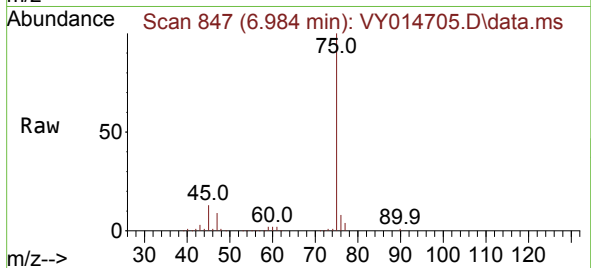




#26
2,2-Dichloropropane
Concen: 1.532 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY014705.D
Acq: 18 Jul 2023 16:44

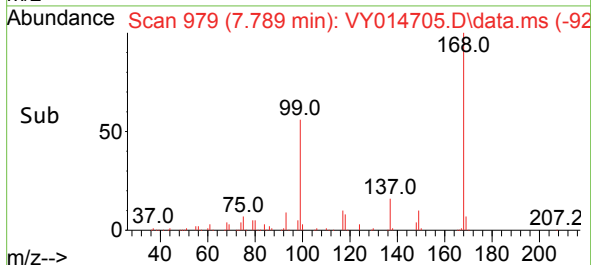
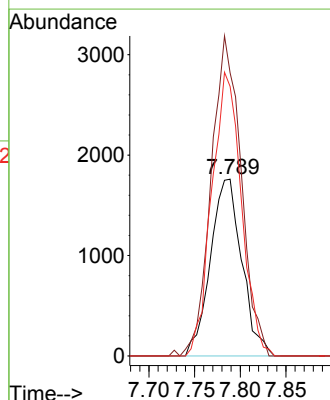
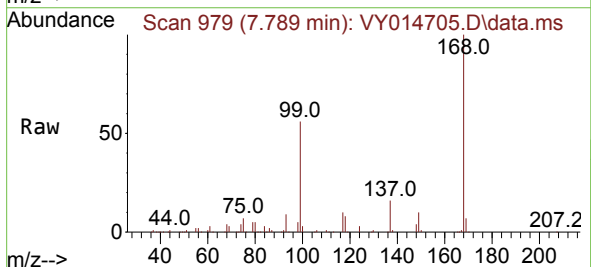
Instrument :
MSVOA_Y
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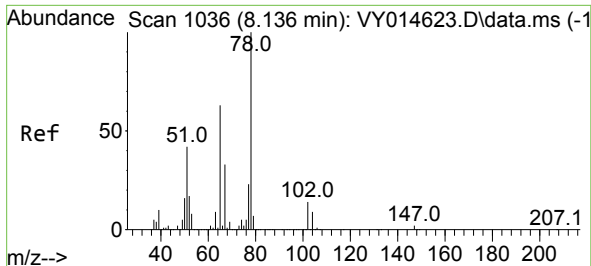
Tgt Ion: 77 Resp: 5912
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.119 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY014705.D
Acq: 18 Jul 2023 16:44

Tgt Ion: 56 Resp: 4211
Ion Ratio Lower Upper
56 100
69 160.1 27.8 41.6#
84 157.1 66.4 99.6#

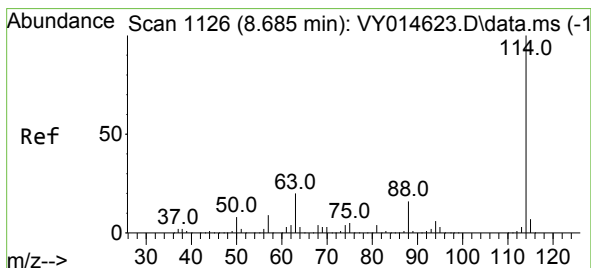
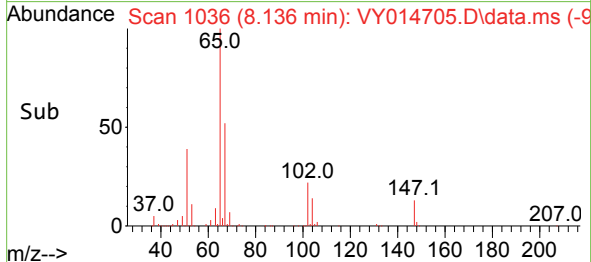
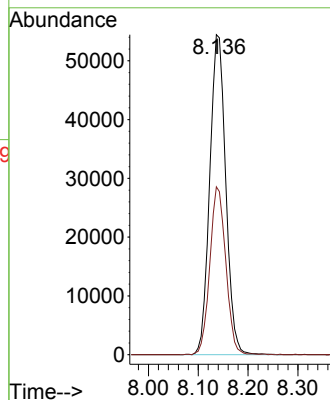
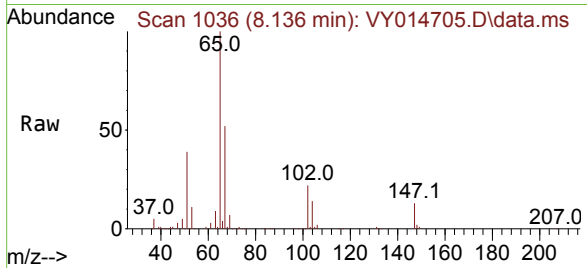




#33
 1,2-Dichloroethane-d4
 Concen: 53.512 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY014705.D
 Acq: 18 Jul 2023 16:44

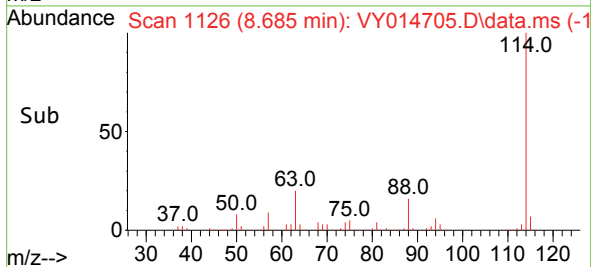
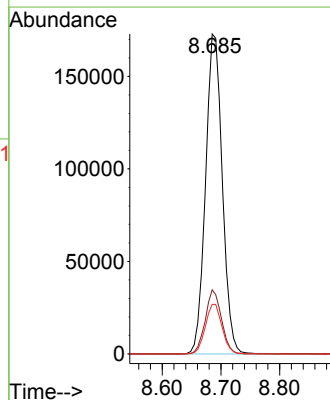
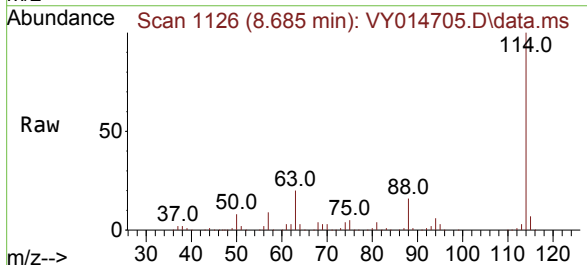
Instrument :
 MSVOA_Y
 ClientSampleId :
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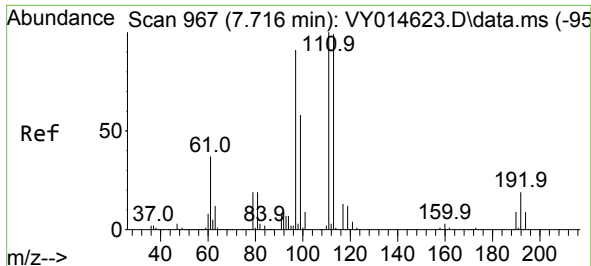
Tgt Ion: 65 Resp: 121360
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY014705.D
 Acq: 18 Jul 2023 16:44

Tgt Ion: 114 Resp: 343217
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.4
 88 15.5 0.0 30.6

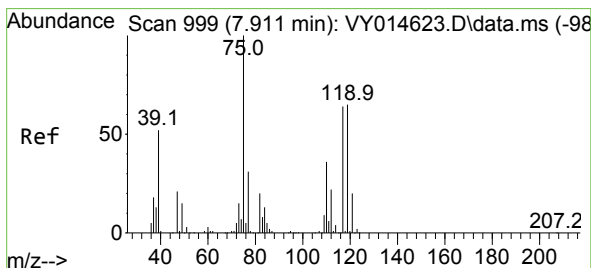
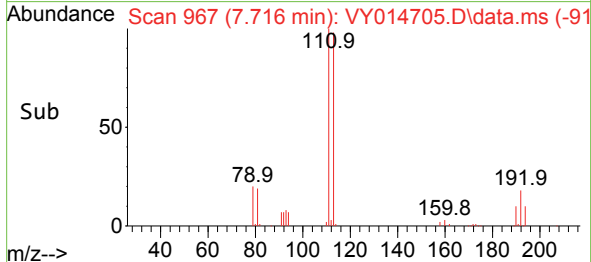
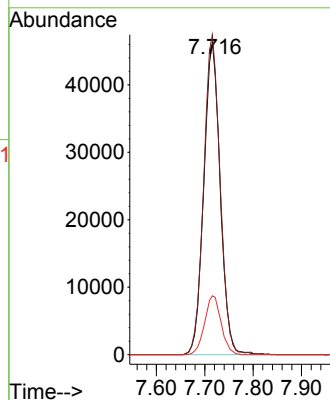
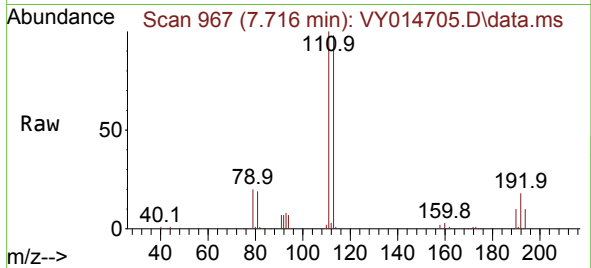




#35
Dibromofluoromethane
Concen: 49.777 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014705.D
Acq: 18 Jul 2023 16:44

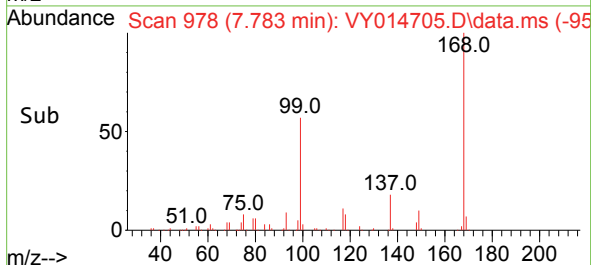
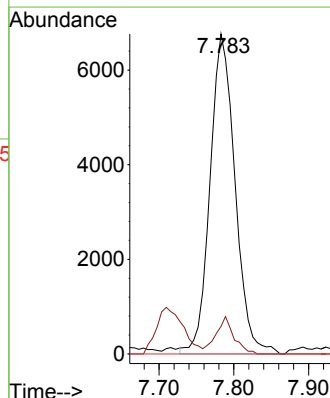
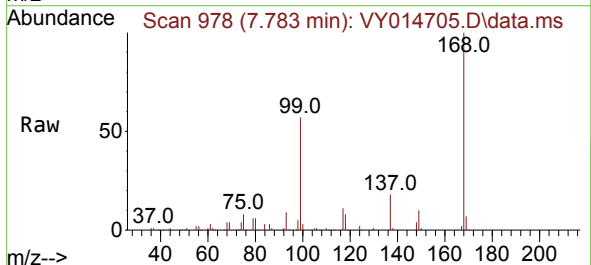
Instrument :
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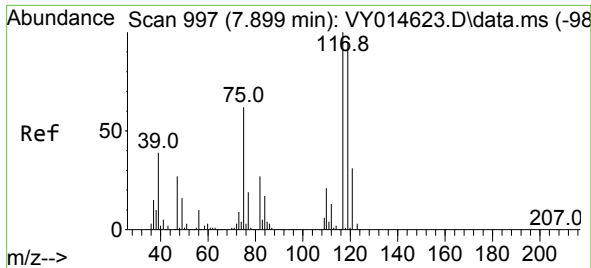
Tgt Ion:113 Resp: 108755
Ion Ratio Lower Upper
113 100
111 102.9 81.3 121.9
192 19.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.815 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014705.D
Acq: 18 Jul 2023 16:44

Tgt Ion: 75 Resp: 15731
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.5#
77 0.0 24.4 36.6#

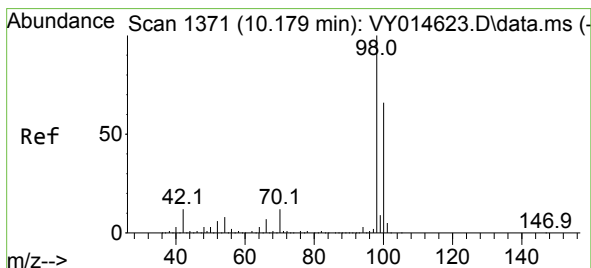
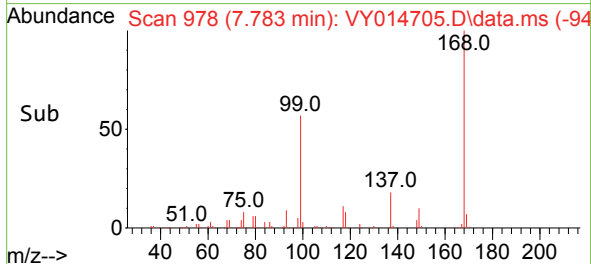
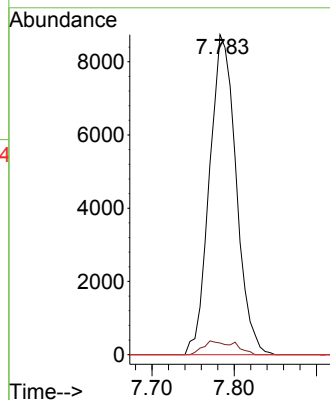
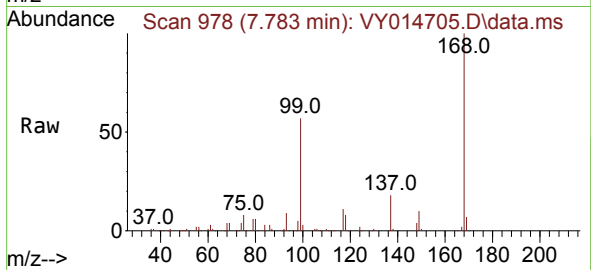




#38
Carbon Tetrachloride
Concen: 5.697 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014705.D
Acq: 18 Jul 2023 16:44

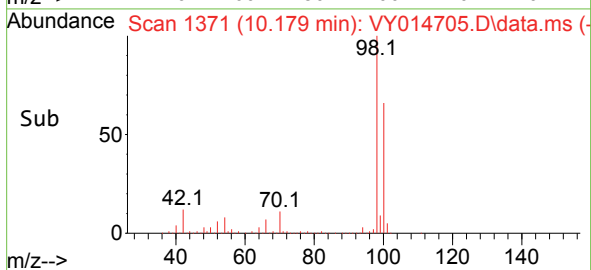
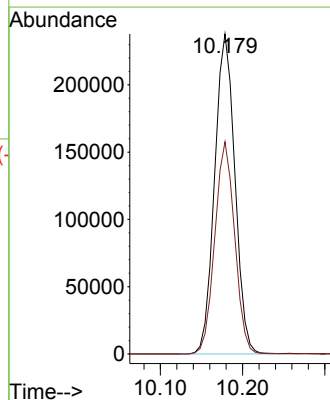
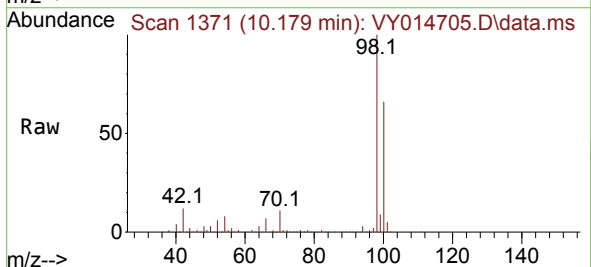
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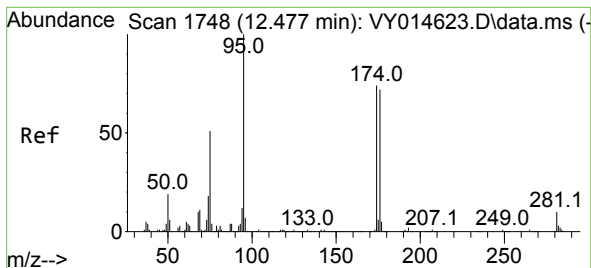
Tgt Ion:117 Resp: 19678
Ion Ratio Lower Upper
117 100
119 3.7 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.589 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014705.D
Acq: 18 Jul 2023 16:44

Tgt Ion: 98 Resp: 407496
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1

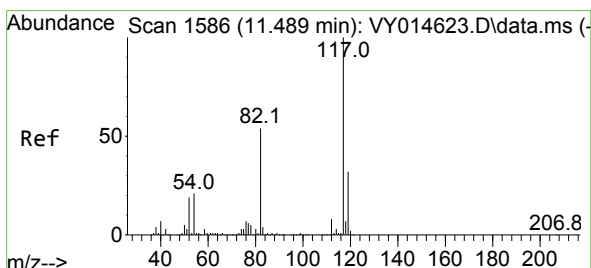
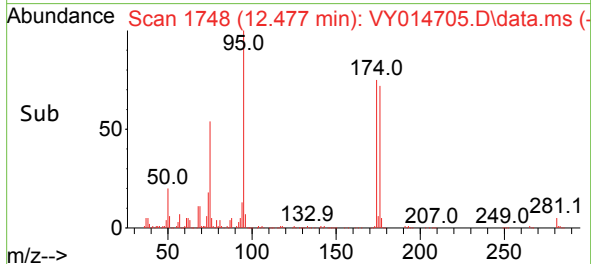
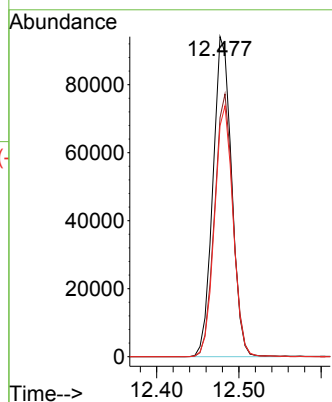
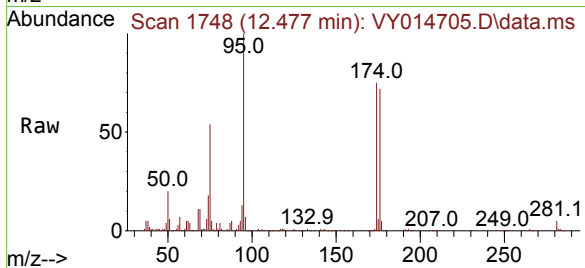




#62
4-Bromofluorobenzene
Concen: 48.181 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014705.D
Acq: 18 Jul 2023 16:44

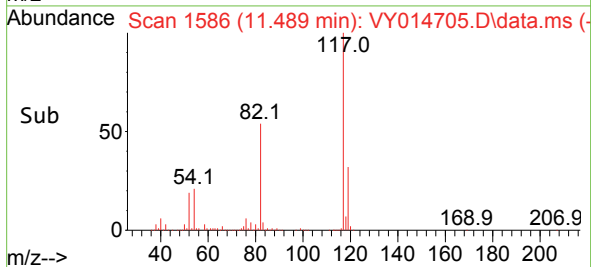
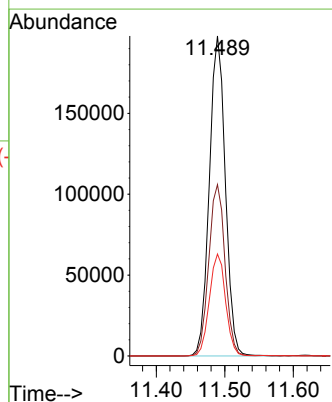
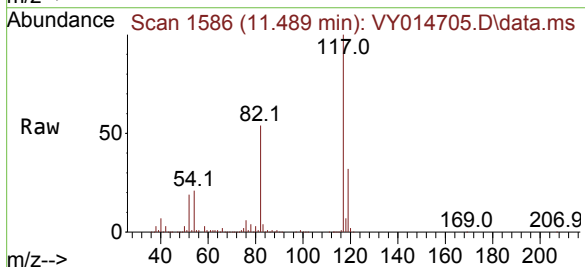
Instrument :
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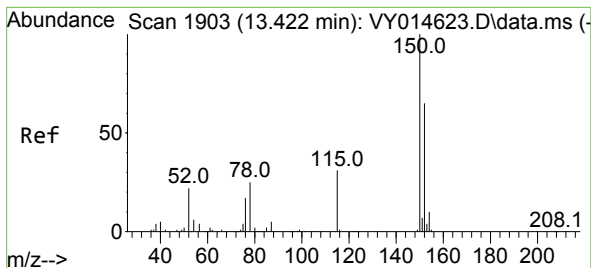
Tgt Ion: 95 Resp: 148811
Ion Ratio Lower Upper
95 100
174 81.3 0.0 178.2
176 77.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014705.D
Acq: 18 Jul 2023 16:44

Tgt Ion: 117 Resp: 321392
Ion Ratio Lower Upper
117 100
82 53.6 43.4 65.0
119 31.8 26.3 39.5

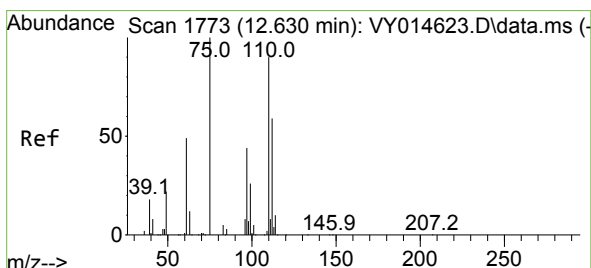
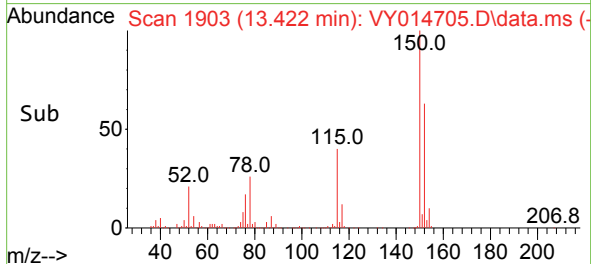
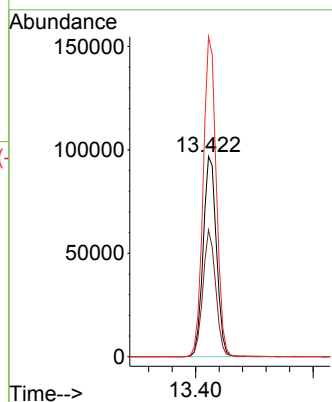
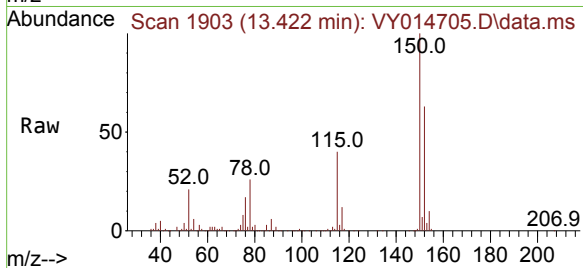




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY014705.D
 Acq: 18 Jul 2023 16:44

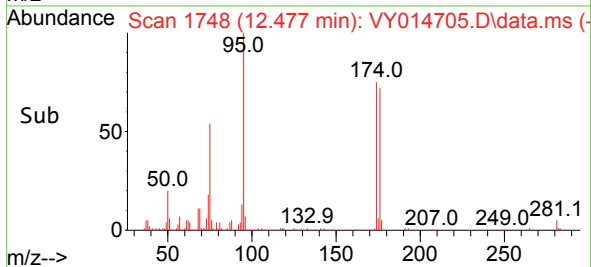
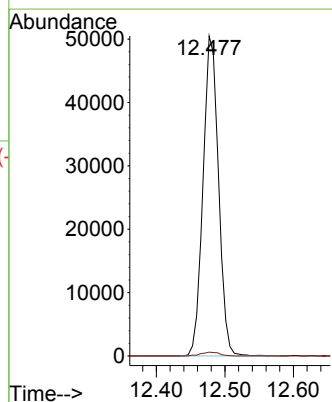
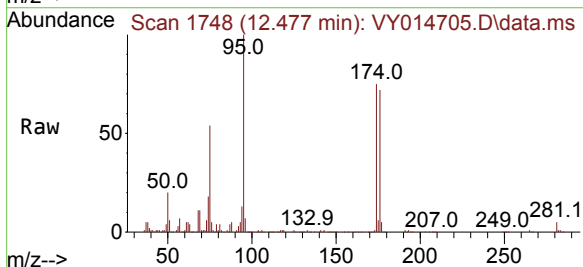
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP13

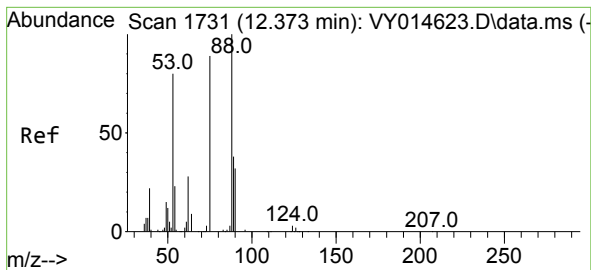
Tgt Ion:152 Resp: 151744
 Ion Ratio Lower Upper
 152 100
 115 61.0 28.8 86.5
 150 157.9 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 41.486 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY014705.D
 Acq: 18 Jul 2023 16:44

Tgt Ion: 75 Resp: 79507
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.324 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014705.D
 Acq: 18 Jul 2023 16:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP13

Tgt Ion: 75 Resp: 79507
 Ion Ratio Lower Upper
 75 100
 53 0.6 77.8 116.8#
 89 0.0 37.4 56.0#

