

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014817.D
 Acq On : 25 Jul 2023 22:04
 Operator : SY/MD
 Sample : VY0725SBL02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0725SBL02

Quant Time: Jul 26 02:13:22 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)

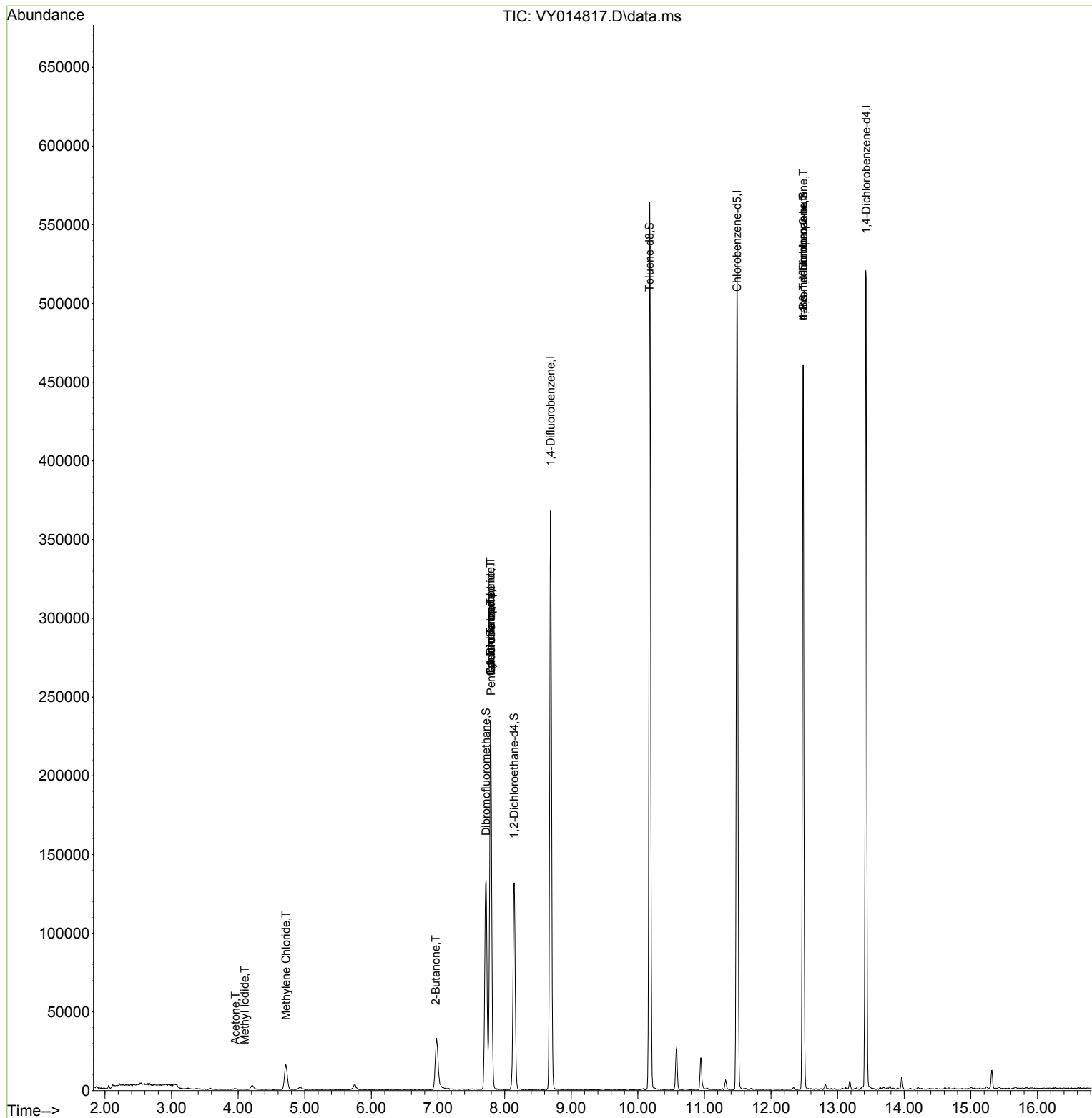
Internal Standards						
1) Pentafluorobenzene	7.795	168	179635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	314972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	292475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	134754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	104387	50.995	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.980%	
35) Dibromofluoromethane	7.722	113	96163	47.961	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.920%	
50) Toluene-d8	10.179	98	372882	50.443	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.880%	
62) 4-Bromofluorobenzene	12.483	95	132535	46.759	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.520%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.101	142	290	2.507	ug/l #	38
11) Tert butyl alcohol	4.936	59	1962	Below Cal	#	89
16) Acetone	3.960	43	1168	1.801	ug/l	95
20) Methylene Chloride	4.716	84	11889	1.550	ug/l	89
25) 2-Butanone	6.966	43	1066	1.123	ug/l #	69
31) Cyclohexane	7.789	56	3763	1.107	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	14316	4.774	ug/l #	50
38) Carbon Tetrachloride	7.789	117	17577	5.545	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	70289	41.300	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	70289	79.965	ug/l #	11

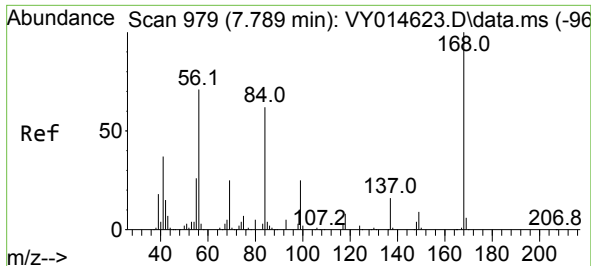
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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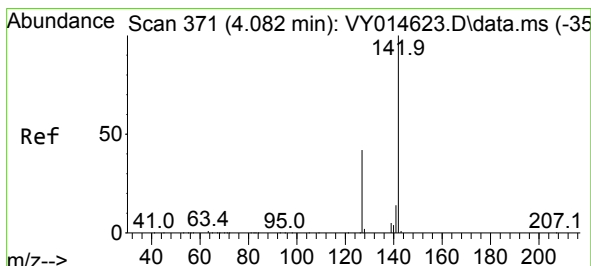
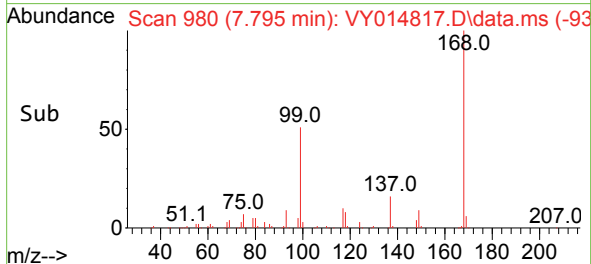
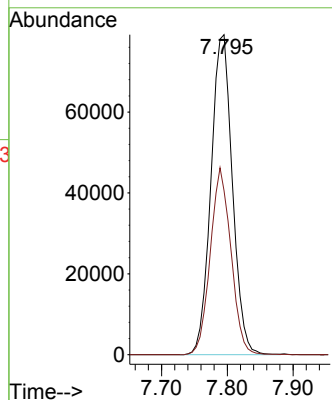
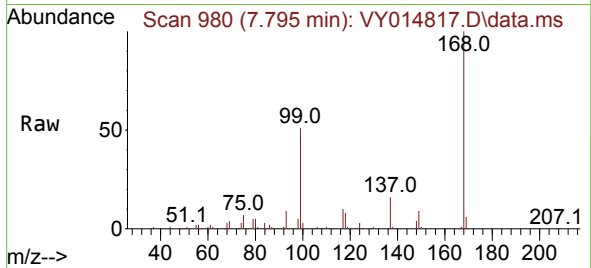




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014817.D
Acq: 25 Jul 2023 22:04

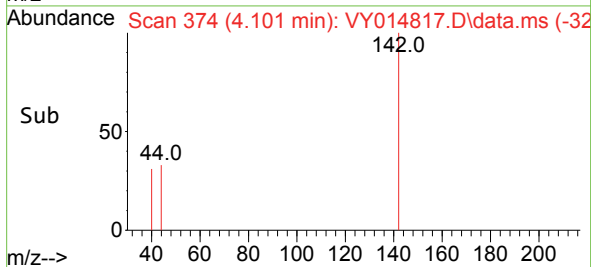
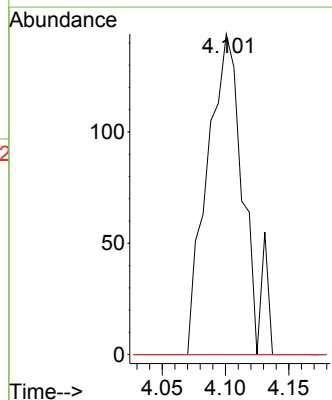
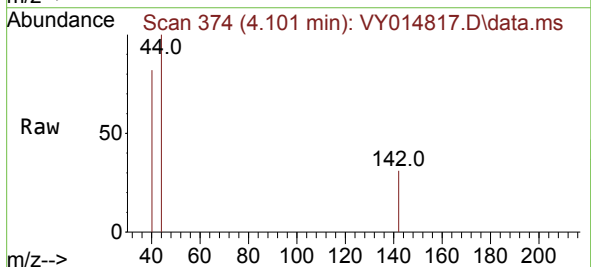
Instrument :
MSVOA_Y
ClientSampleId :
VY0725SBL02

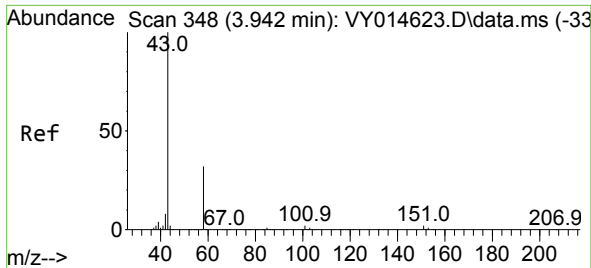
Tgt Ion:168 Resp: 179635
Ion Ratio Lower Upper
168 100
99 51.3 43.4 65.0



#10
Methyl Iodide
Concen: 2.507 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.019 min
Lab File: VY014817.D
Acq: 25 Jul 2023 22:04

Tgt Ion:142 Resp: 290
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 1.801 ug/l

RT: 3.960 min Scan# 3

Delta R.T. 0.018 min

Lab File: VY014817.D

Acq: 25 Jul 2023 22:04

Instrument :

MSVOA_Y

ClientSampleId :

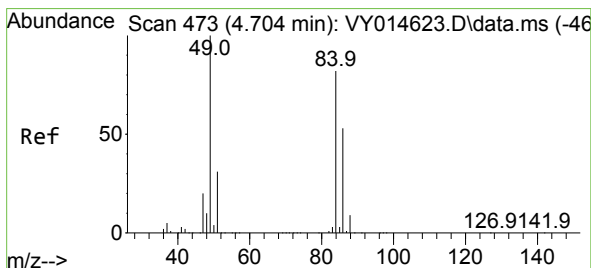
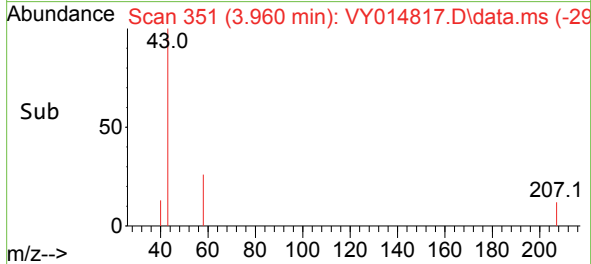
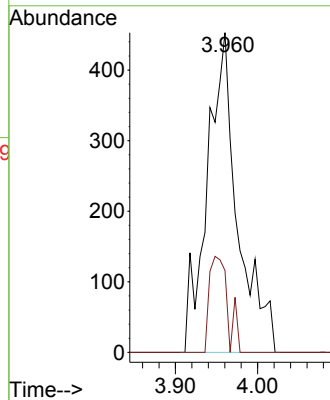
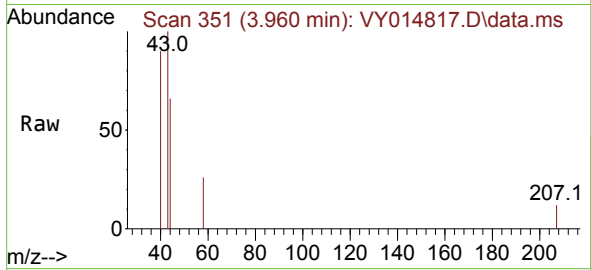
VY0725SBL02

Tgt Ion: 43 Resp: 1168

Ion Ratio Lower Upper

43 100

58 25.6 22.7 34.1



#20

Methylene Chloride

Concen: 1.550 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.012 min

Lab File: VY014817.D

Acq: 25 Jul 2023 22:04

Tgt Ion: 84 Resp: 11889

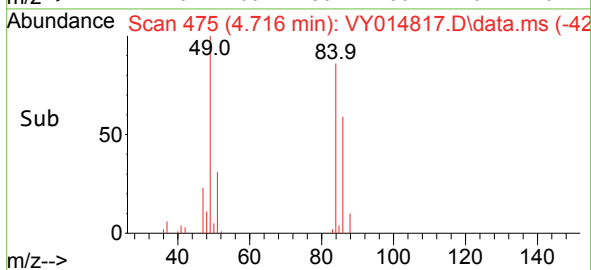
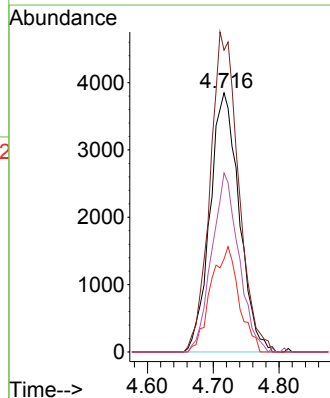
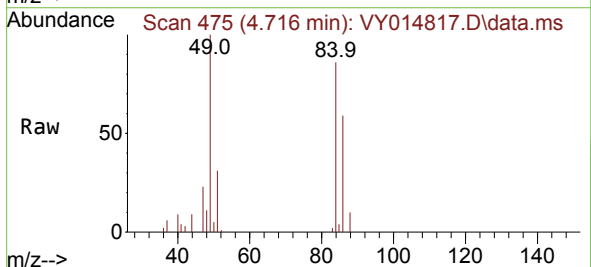
Ion Ratio Lower Upper

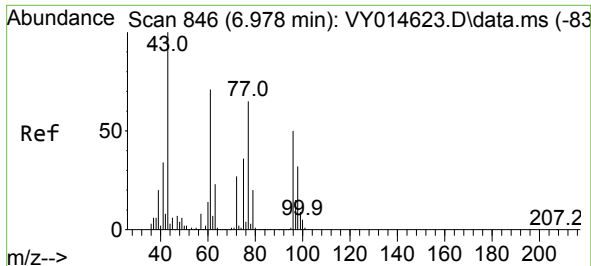
84 100

49 116.5 106.9 160.3

51 35.9 33.2 49.8

86 69.1 51.0 76.6

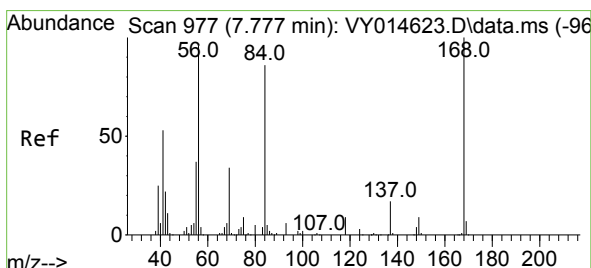
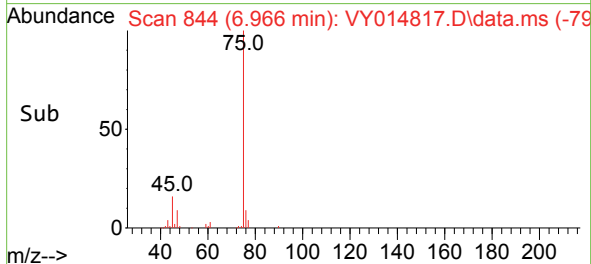
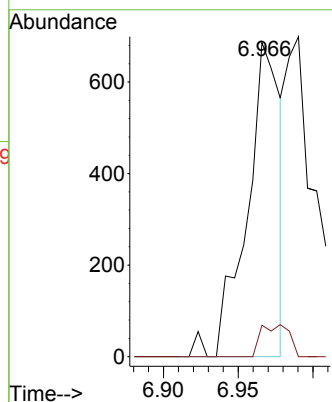
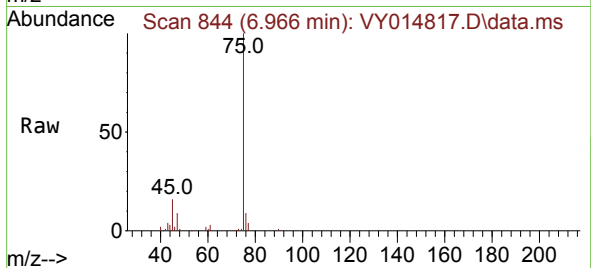




#25
2-Butanone
Concen: 1.123 ug/l
RT: 6.966 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY014817.D
Acq: 25 Jul 2023 22:04

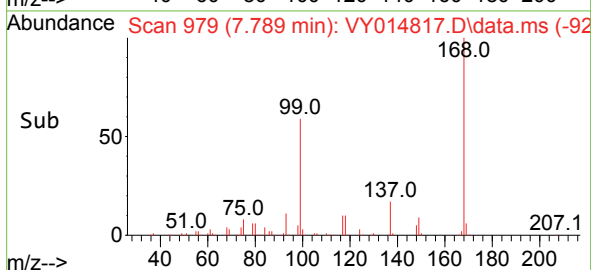
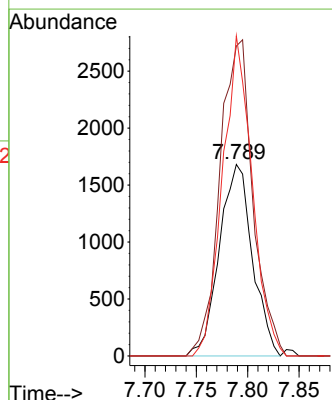
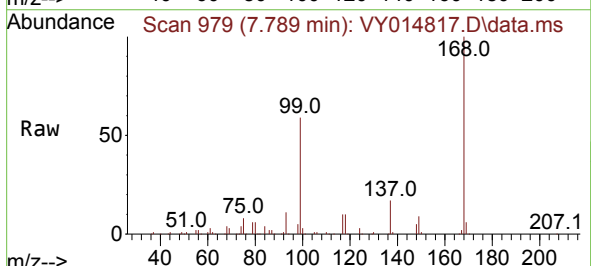
Instrument :
MSVOA_Y
ClientSampleId :
VY0725SBL02

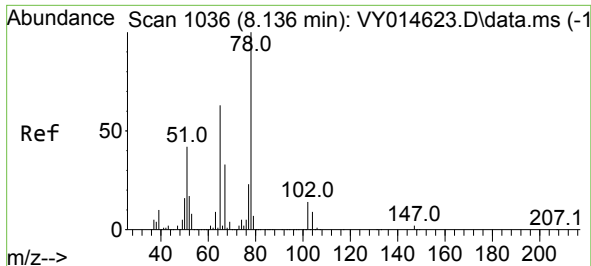
Tgt Ion: 43 Resp: 1066
Ion Ratio Lower Upper
43 100
72 10.1 20.5 30.7#



#31
Cyclohexane
Concen: 1.107 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY014817.D
Acq: 25 Jul 2023 22:04

Tgt Ion: 56 Resp: 3763
Ion Ratio Lower Upper
56 100
69 161.8 27.8 41.6#
84 167.0 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 50.995 ug/l

RT: 8.142 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY014817.D

Acq: 25 Jul 2023 22:04

Instrument :

MSVOA_Y

ClientSampleId :

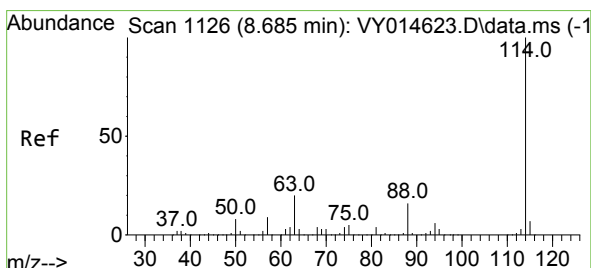
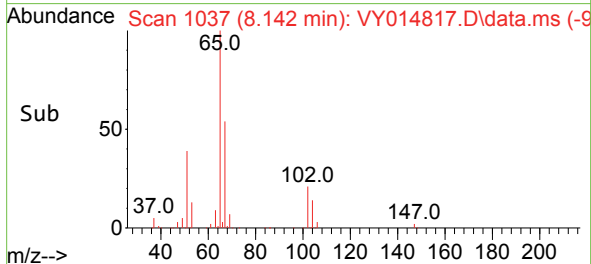
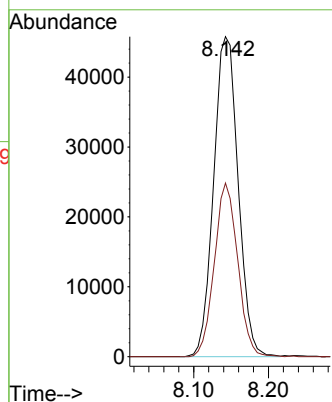
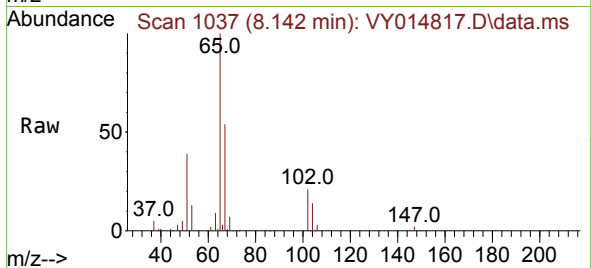
VY0725SBL02

Tgt Ion: 65 Resp: 104387

Ion Ratio Lower Upper

65 100

67 51.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014817.D

Acq: 25 Jul 2023 22:04

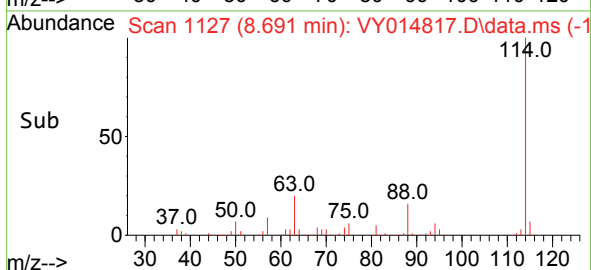
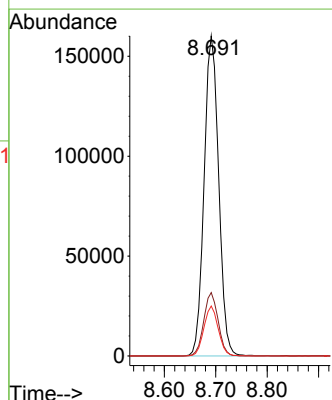
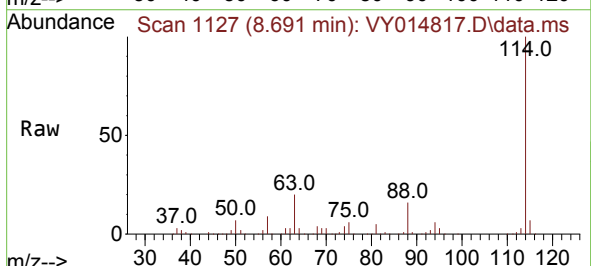
Tgt Ion: 114 Resp: 314972

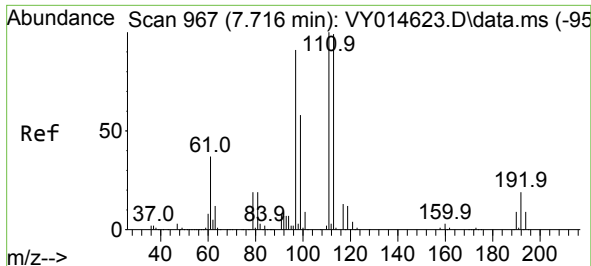
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

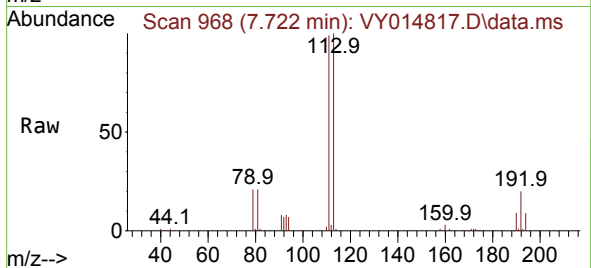
88 15.6 0.0 30.6



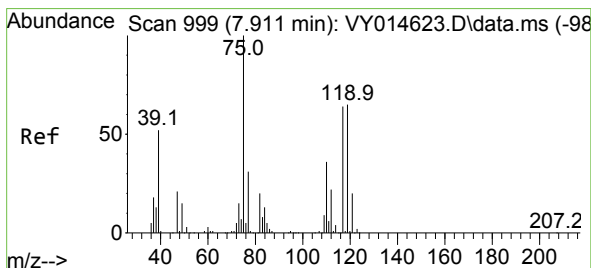
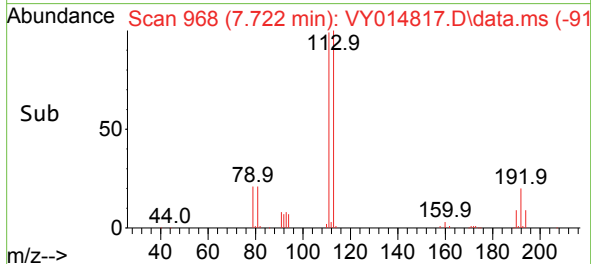
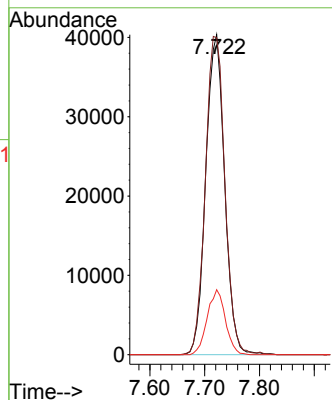


#35
 Dibromofluoromethane
 Concen: 47.961 ug/l
 RT: 7.722 min Scan# 968
 Delta R.T. 0.006 min
 Lab File: VY014817.D
 Acq: 25 Jul 2023 22:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0725SBL02

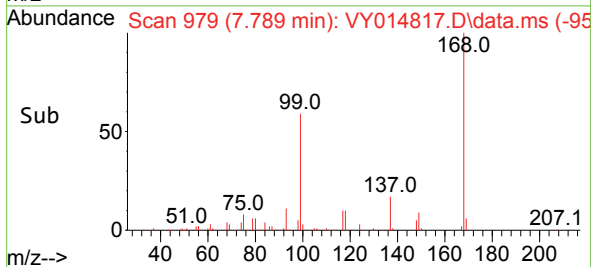
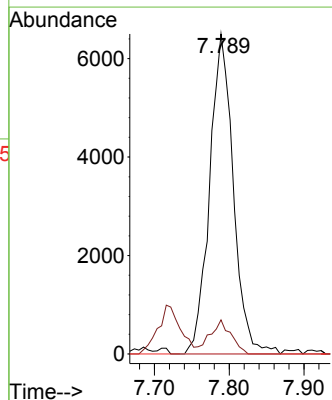
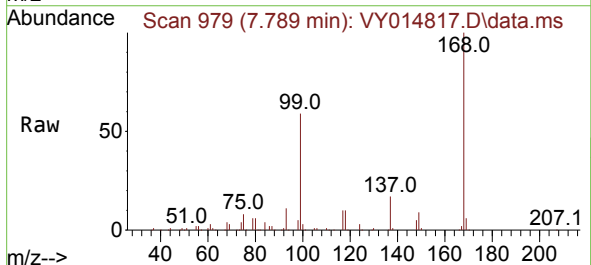


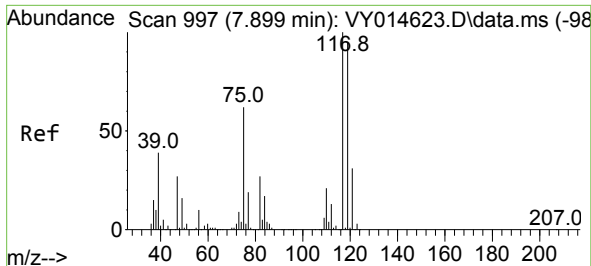
Tgt	Ion:113	Resp:	96163
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.3	121.9
192	19.6	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 4.774 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.122 min
 Lab File: VY014817.D
 Acq: 25 Jul 2023 22:04

Tgt Ion: 75	Resp:	14316	
Ion Ratio	Lower	Upper	
75 100			
110 9.3	17.8	53.5#	
77 0.0	24.4	36.6#	

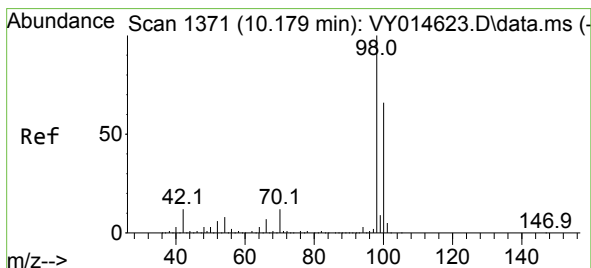
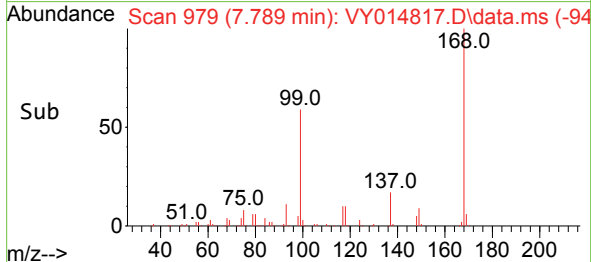
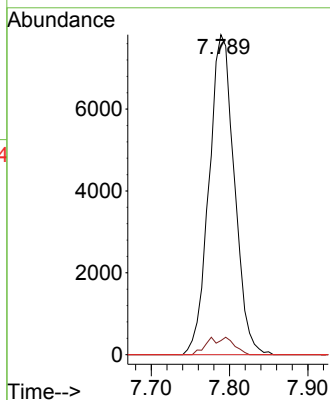
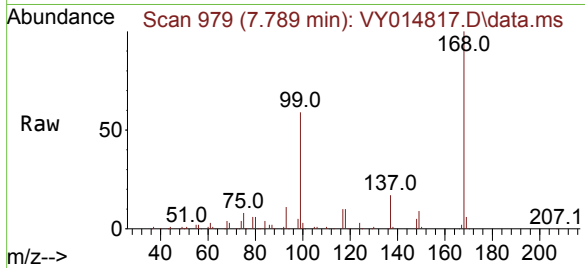




#38
Carbon Tetrachloride
Concen: 5.545 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY014817.D
Acq: 25 Jul 2023 22:04

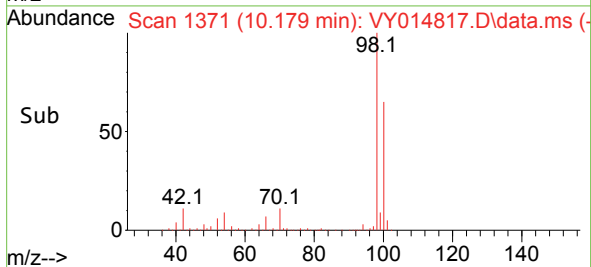
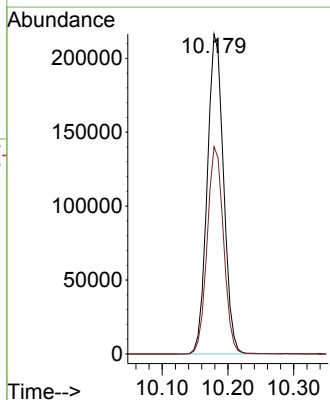
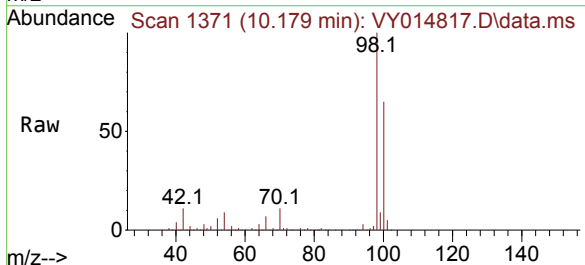
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VY0725SBL02

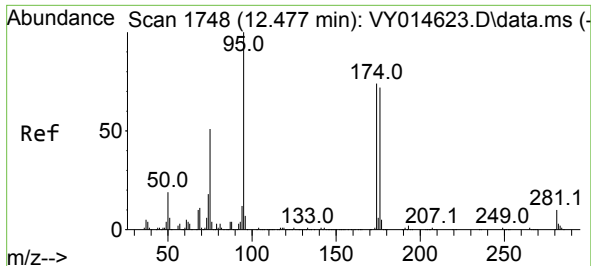
Tgt Ion:117 Resp: 17577
Ion Ratio Lower Upper
117 100
119 4.4 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.443 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014817.D
Acq: 25 Jul 2023 22:04

Tgt Ion: 98 Resp: 372882
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1

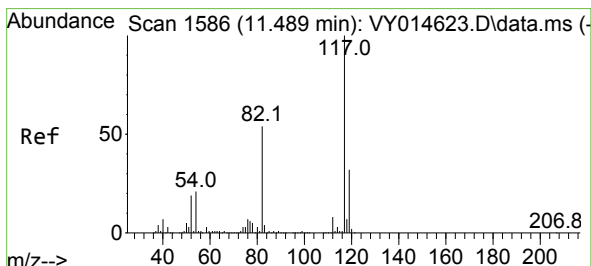
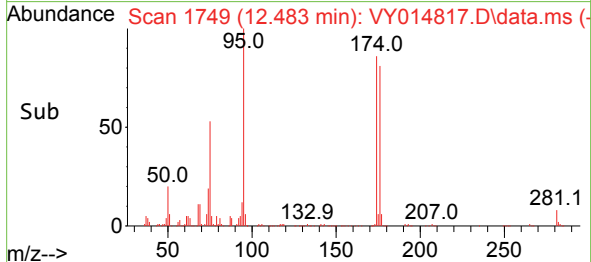
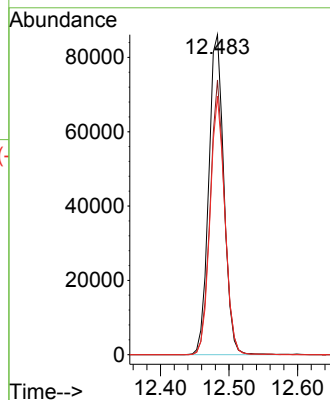
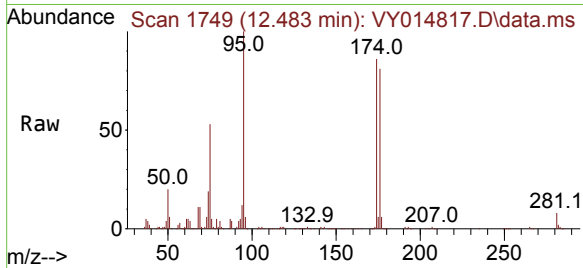




#62
4-Bromofluorobenzene
Concen: 46.759 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014817.D
Acq: 25 Jul 2023 22:04

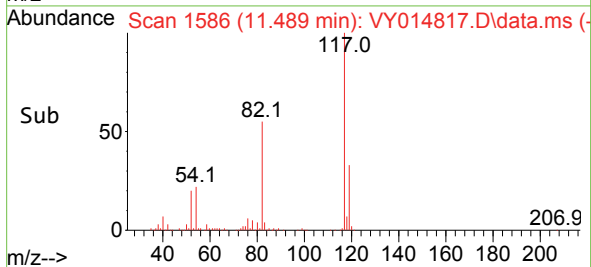
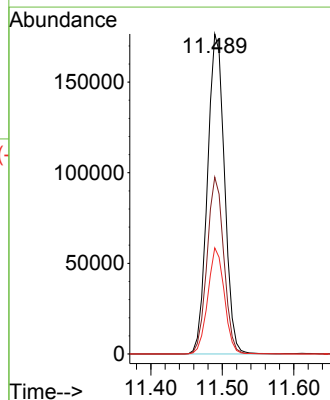
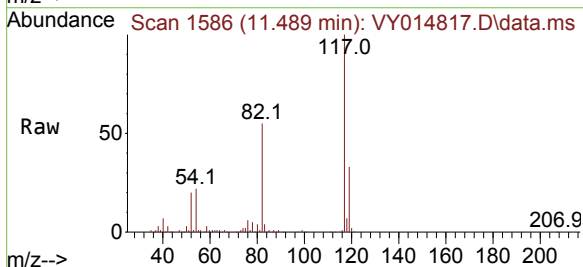
Instrument :
MSVOA_Y
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VY0725SBL02

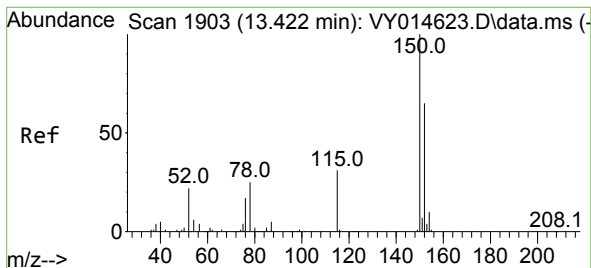
Tgt Ion: 95 Resp: 132535
Ion Ratio Lower Upper
95 100
174 82.0 0.0 178.2
176 78.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014817.D
Acq: 25 Jul 2023 22:04

Tgt Ion: 117 Resp: 292475
Ion Ratio Lower Upper
117 100
82 55.3 43.4 65.0
119 33.2 26.3 39.5

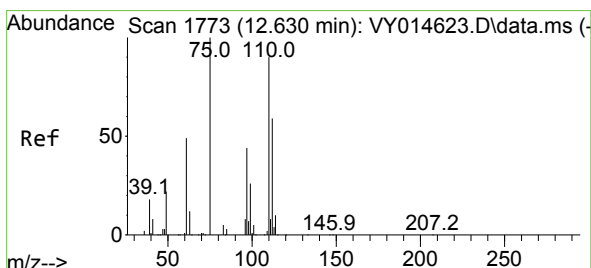
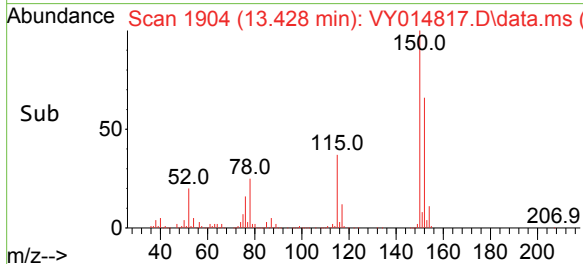
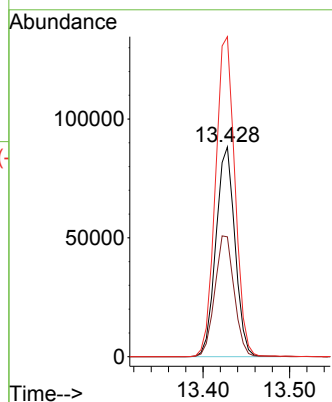
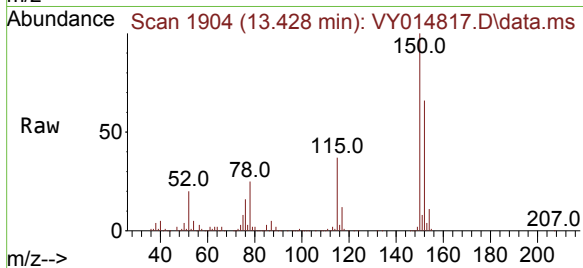




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY014817.D
 Acq: 25 Jul 2023 22:04

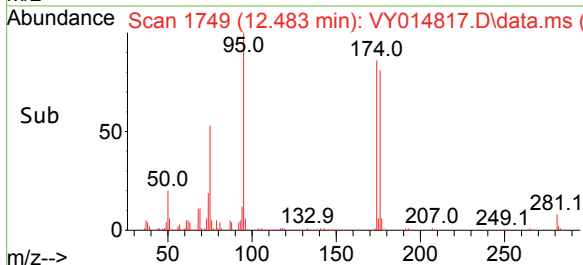
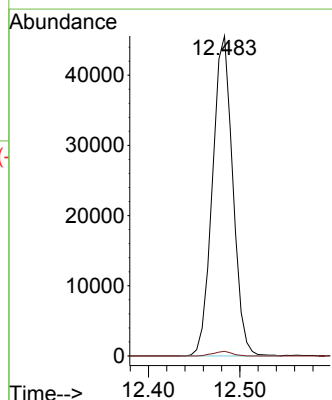
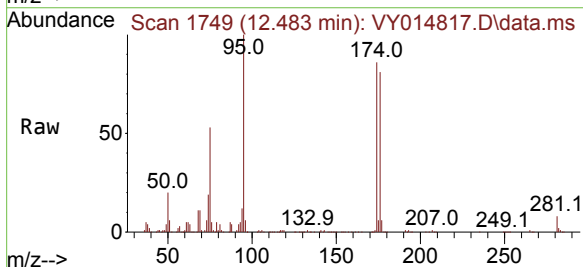
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0725SBL02

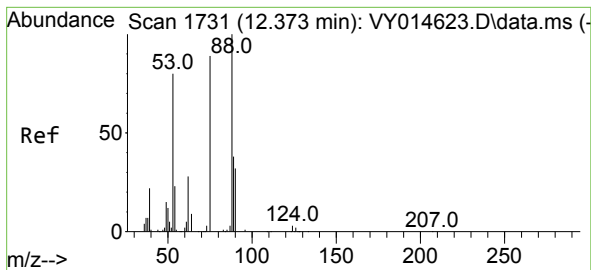
Tgt Ion:152 Resp: 134754
 Ion Ratio Lower Upper
 152 100
 115 58.8 28.8 86.5
 150 156.1 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 41.300 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY014817.D
 Acq: 25 Jul 2023 22:04

Tgt Ion: 75 Resp: 70289
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.965 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY014817.D
 Acq: 25 Jul 2023 22:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0725SBL02

Tgt Ion: 75 Resp: 70289
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

