

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014267.D
 Acq On : 20 Jun 2023 07:46
 Operator : KP/MD
 Sample : 03302-02
 Misc : 3.39g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2

Quant Time: Jun 20 11:24:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

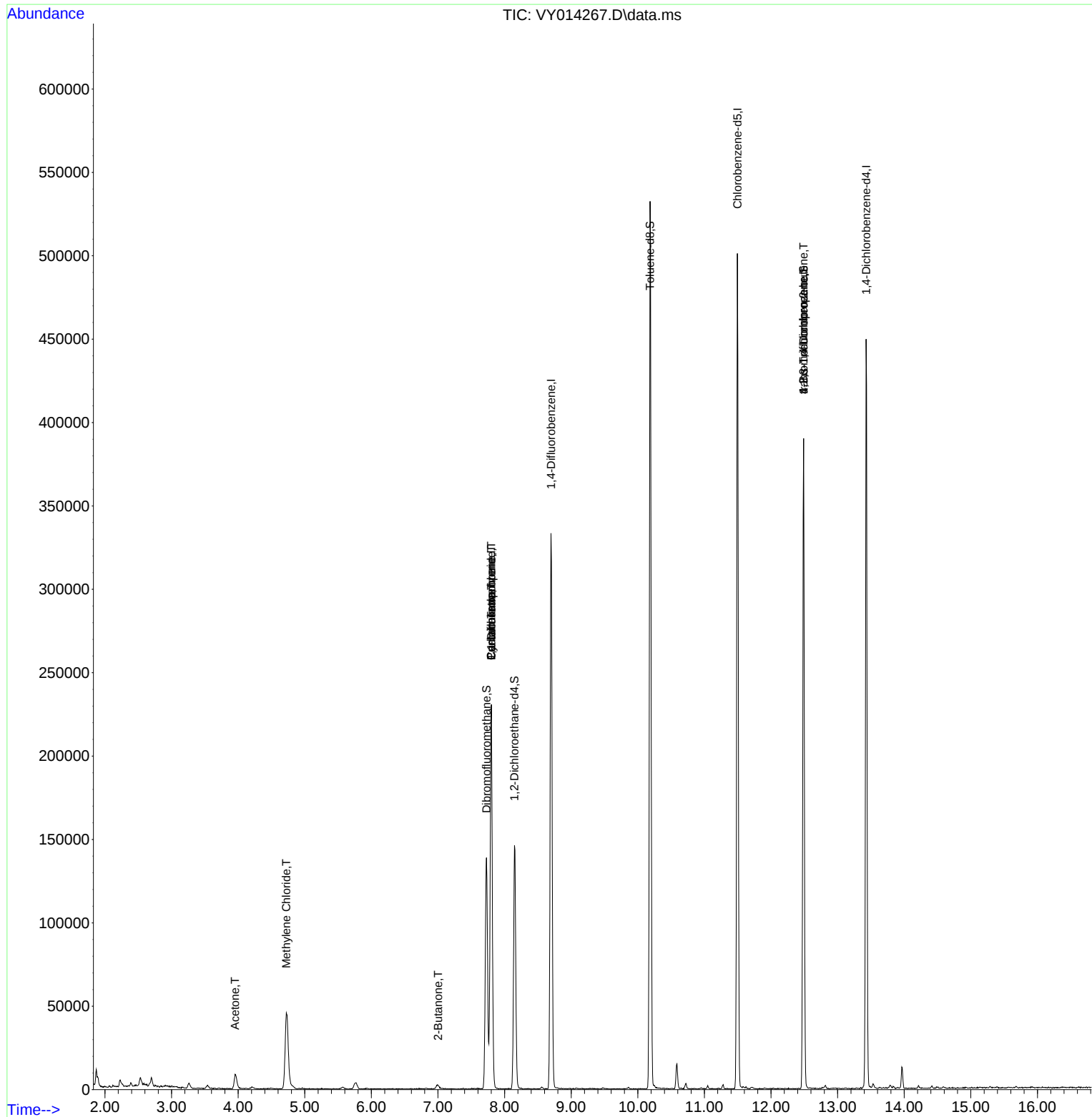
Internal Standards						
1) Pentafluorobenzene	7.801	168	176088	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	283197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	263788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	114772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	124200	50.651	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.300%	
35) Dibromofluoromethane	7.728	113	95272	47.437	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.880%	
50) Toluene-d8	10.185	98	343417	45.737	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 91.480%	
62) 4-Bromofluorobenzene	12.489	95	103678	38.871	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.740%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	650	Below Cal	#	89
13) Acrolein	3.814	56	19	Below Cal	#	14
16) Acetone	3.954	43	15558	21.049	ug/l	90
20) Methylene Chloride	4.722	84	34050	11.682	ug/l	96
25) 2-Butanone	7.002	43	1914	2.104	ug/l #	88
31) Cyclohexane	7.801	56	3855	1.174	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	13257	4.234	ug/l #	50
38) Carbon Tetrachloride	7.801	117	17271	4.780	ug/l #	17
76) 1,2,3-Trichloropropane	12.489	75	57795	38.382	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	57795	82.967	ug/l #	11

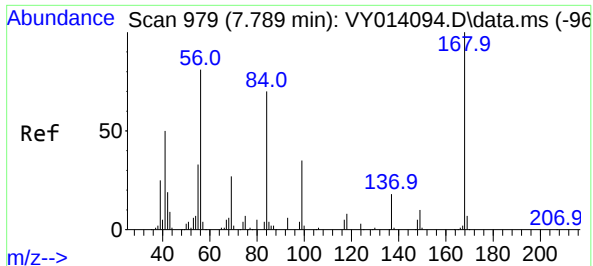
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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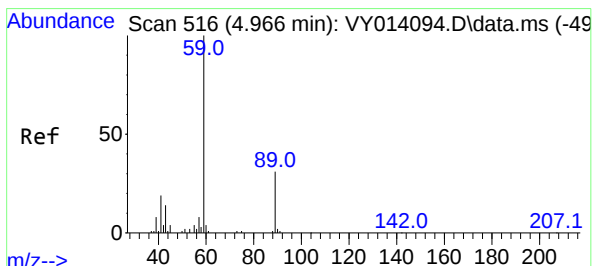
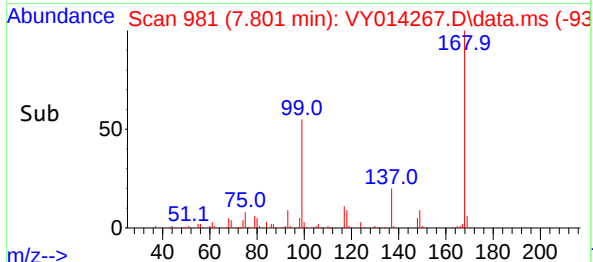
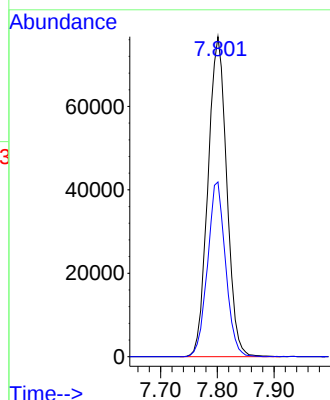
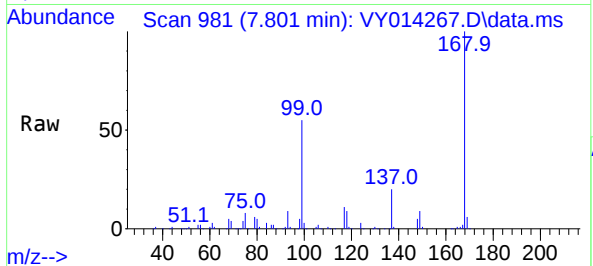




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014267.D
Acq: 20 Jun 2023 07:46

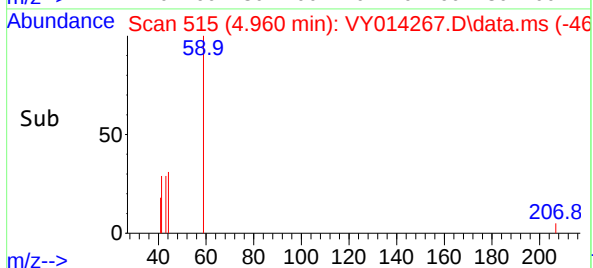
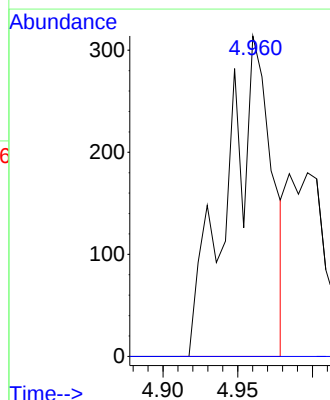
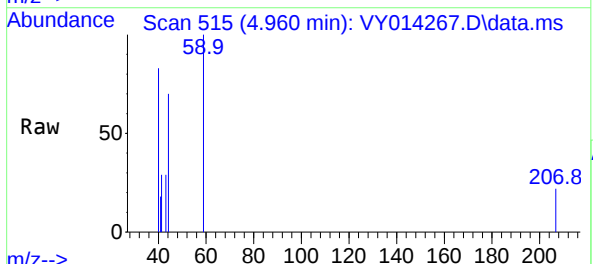
Instrument :
MSVOA_Y
ClientSampleId :
SB-2

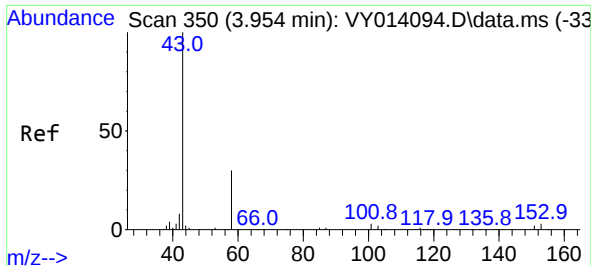
Tgt Ion:168 Resp: 176088
Ion Ratio Lower Upper
168 100
99 54.6 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY014267.D
Acq: 20 Jun 2023 07:46

Tgt Ion: 59 Resp: 650
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

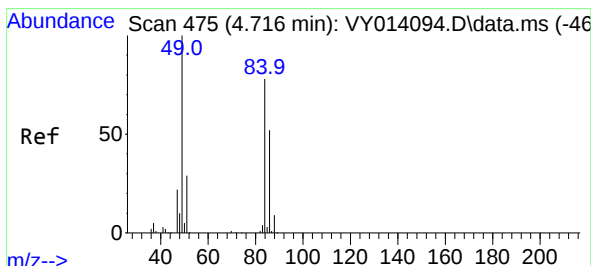
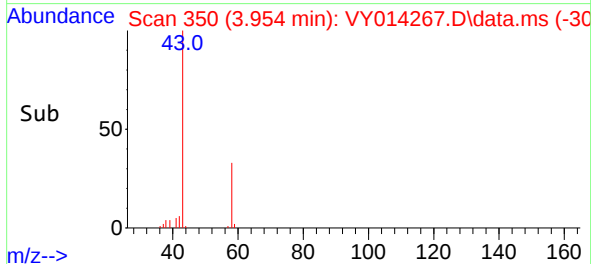
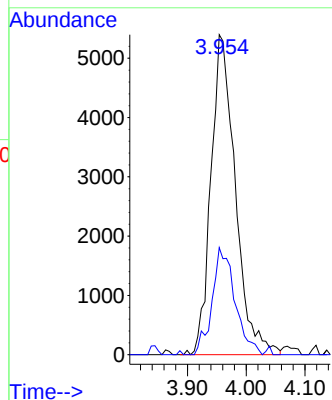
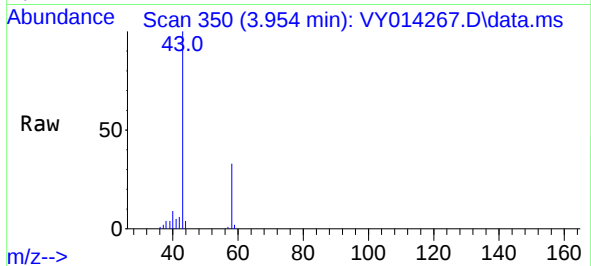




#16
Acetone
Concen: 21.049 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY014267.D
Acq: 20 Jun 2023 07:46

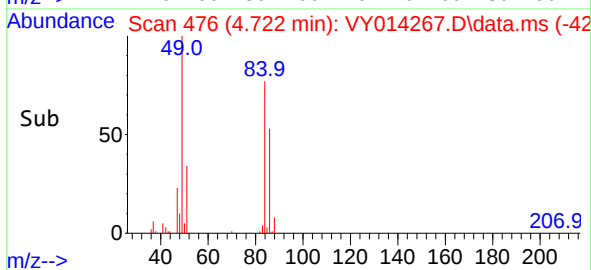
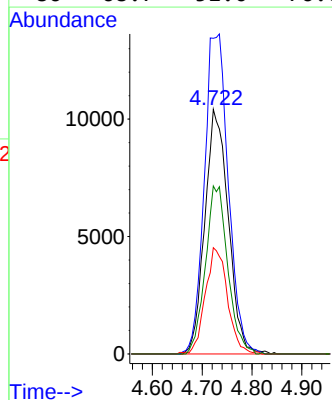
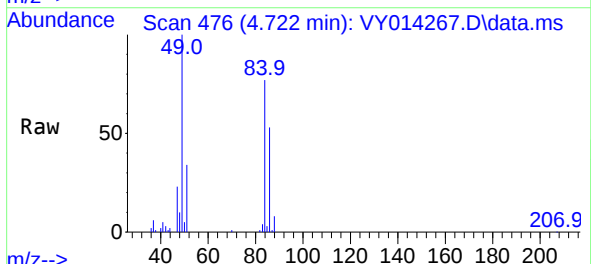
Instrument :
MSVOA_Y
ClientSampleId :
SB-2

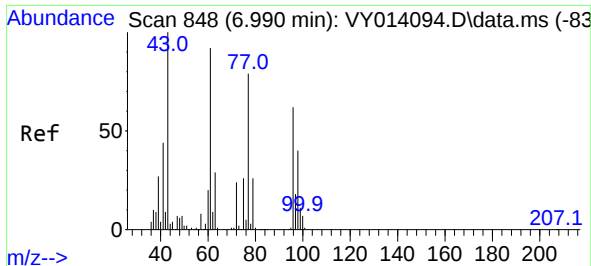
Tgt Ion: 43 Resp: 15558
Ion Ratio Lower Upper
43 100
58 33.5 22.7 34.1



#20
Methylene Chloride
Concen: 11.682 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY014267.D
Acq: 20 Jun 2023 07:46

Tgt Ion: 84 Resp: 34050
Ion Ratio Lower Upper
84 100
49 129.1 106.9 160.3
51 43.4 33.2 49.8
86 68.7 51.0 76.6

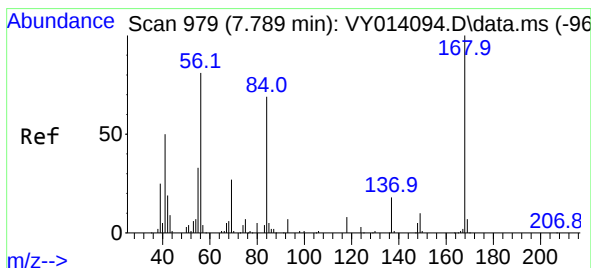
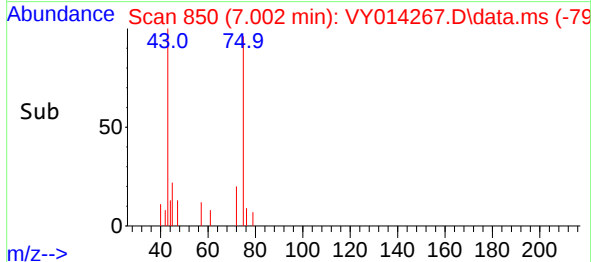
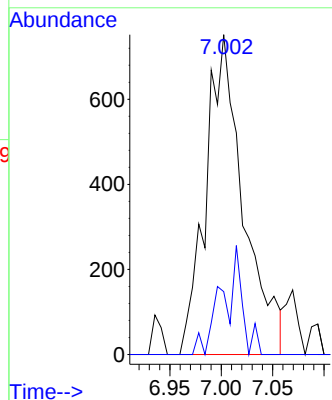
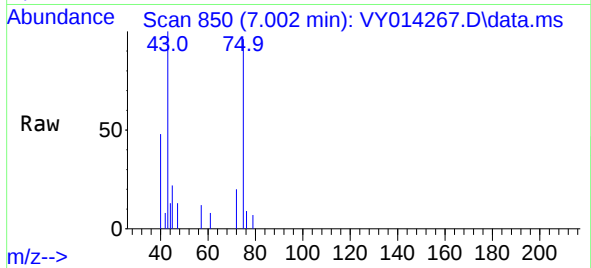




#25
2-Butanone
Concen: 2.104 ug/l
RT: 7.002 min Scan# 81
Delta R.T. 0.012 min
Lab File: VY014267.D
Acq: 20 Jun 2023 07:46

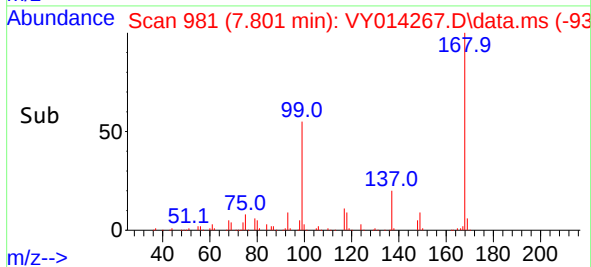
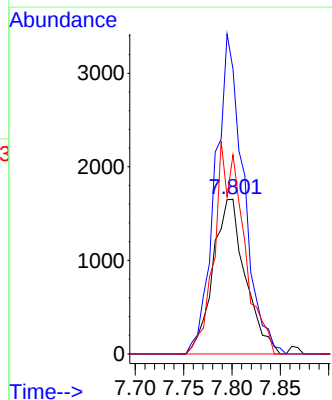
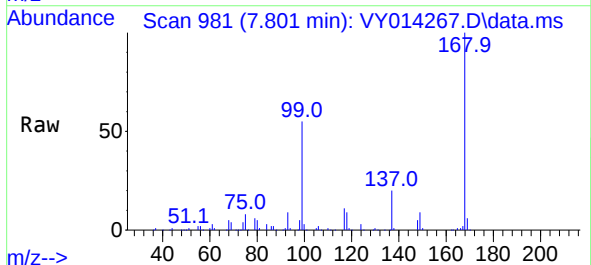
Instrument :
MSVOA_Y
ClientSampleId :
SB-2

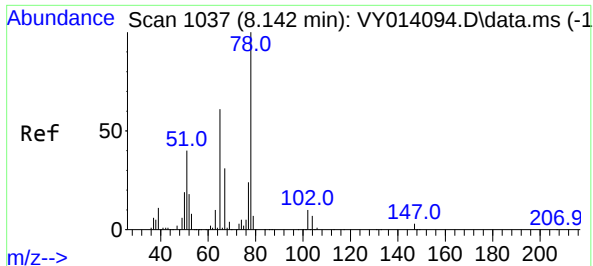
Tgt Ion: 43 Resp: 1914
Ion Ratio Lower Upper
43 100
72 19.7 20.5 30.7#



#31
Cyclohexane
Concen: 1.174 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY014267.D
Acq: 20 Jun 2023 07:46

Tgt Ion: 56 Resp: 3855
Ion Ratio Lower Upper
56 100
69 184.0 27.8 41.6#
84 128.7 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 50.651 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.007 min

Lab File: VY014267.D

Acq: 20 Jun 2023 07:46

Instrument :

MSVOA_Y

ClientSampleId :

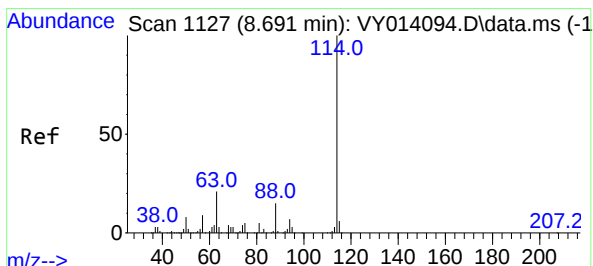
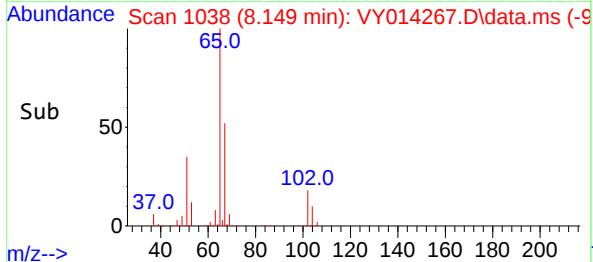
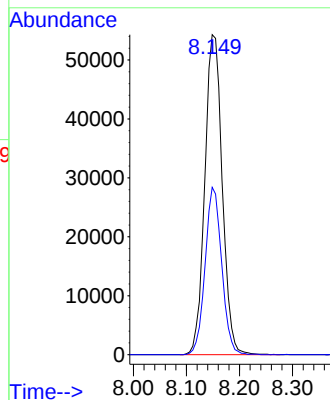
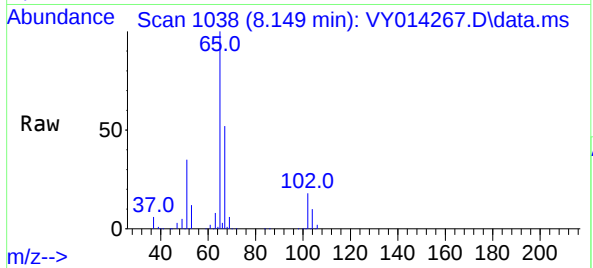
SB-2

Tgt Ion: 65 Resp: 124200

Ion Ratio Lower Upper

65 100

67 49.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY014267.D

Acq: 20 Jun 2023 07:46

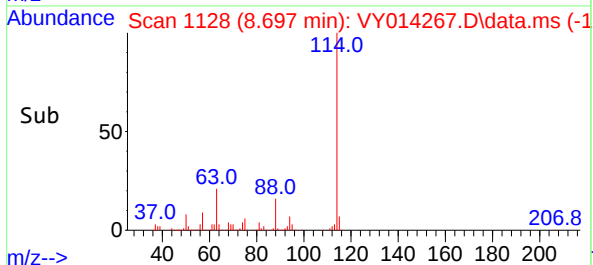
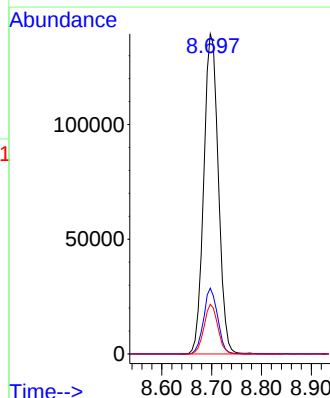
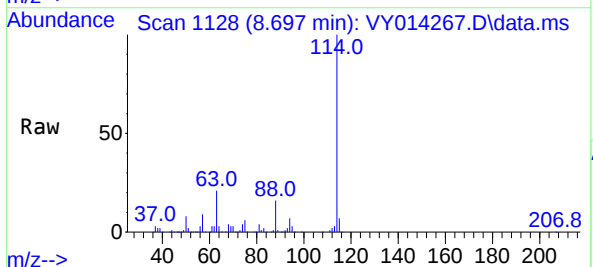
Tgt Ion: 114 Resp: 283197

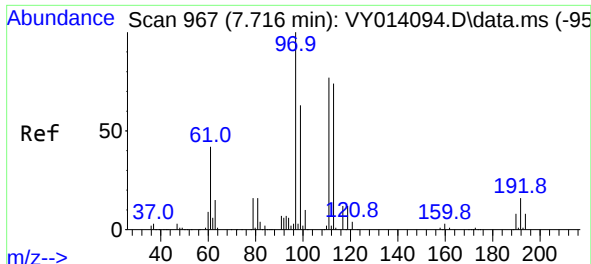
Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.4

88 15.5 0.0 30.6

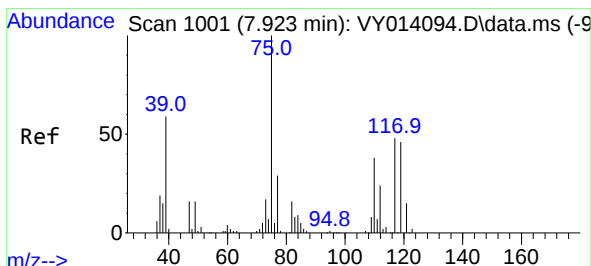
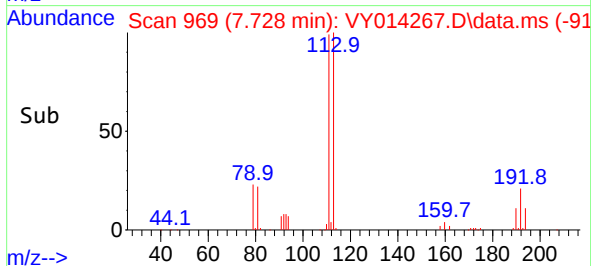
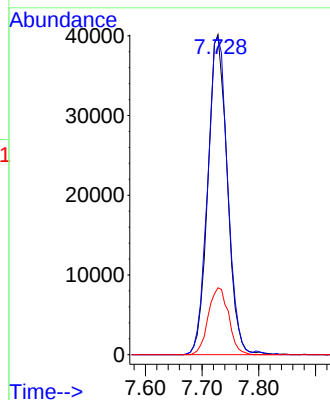
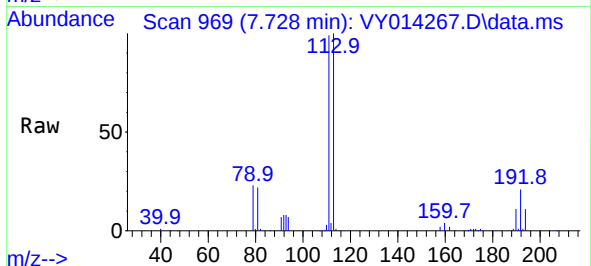




#35
Dibromofluoromethane
Concen: 47.437 ug/l
RT: 7.728 min Scan# 911
Delta R.T. 0.012 min
Lab File: VY014267.D
Acq: 20 Jun 2023 07:46

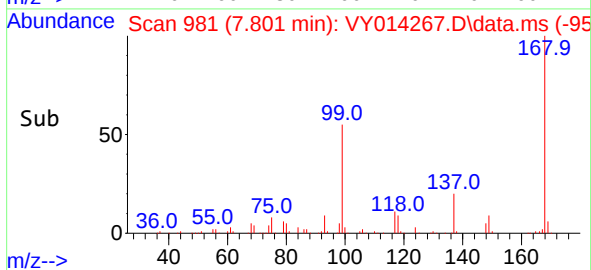
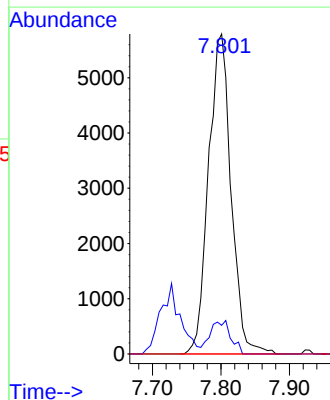
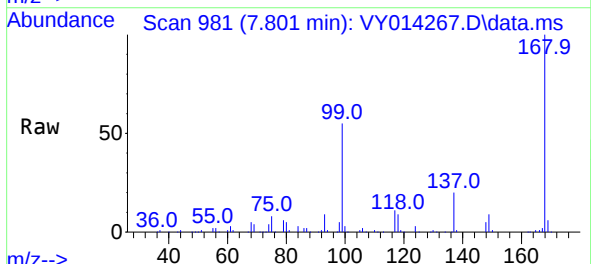
Instrument :
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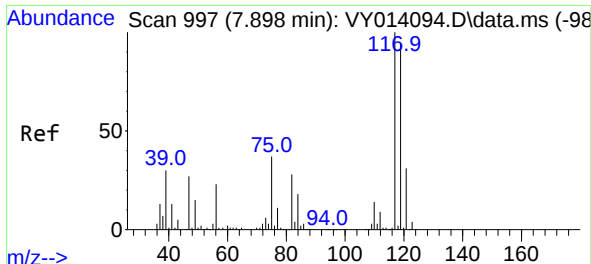
Tgt Ion:113 Resp: 95272
Ion Ratio Lower Upper
113 100
111 102.1 81.3 121.9
192 21.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.234 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY014267.D
Acq: 20 Jun 2023 07:46

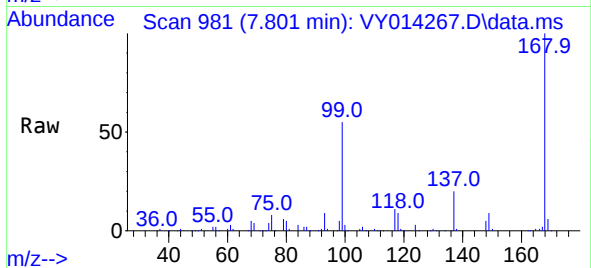
Tgt Ion: 75 Resp: 13257
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#



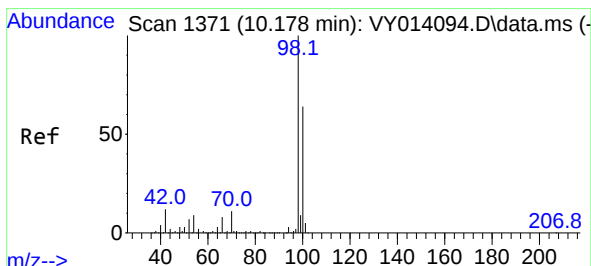
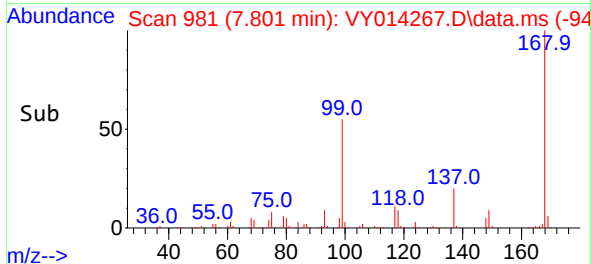
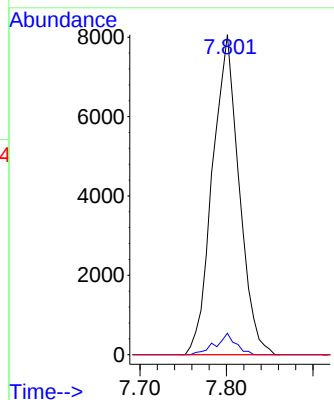


#38
Carbon Tetrachloride
Concen: 4.780 ug/l
RT: 7.801 min Scan# 997
Delta R.T. -0.097 min
Lab File: VY014267.D
Acq: 20 Jun 2023 07:46

Instrument :
MSVOA_Y
ClientSampleId :
SB-2

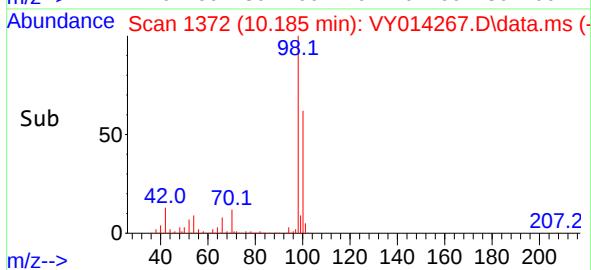
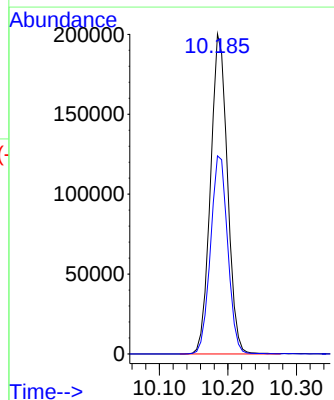
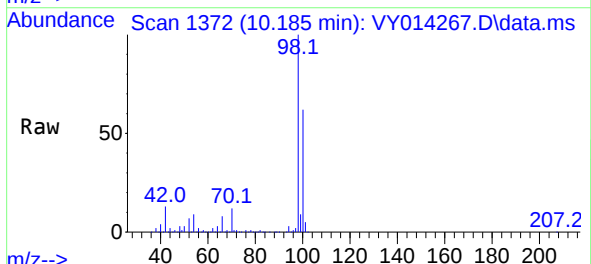


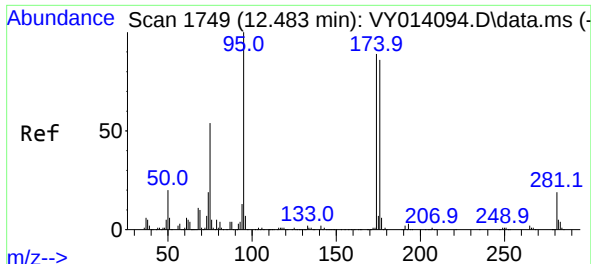
Tgt Ion:117 Resp: 17271
Ion Ratio Lower Upper
117 100
119 6.7 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 45.737 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014267.D
Acq: 20 Jun 2023 07:46

Tgt Ion: 98 Resp: 343417
Ion Ratio Lower Upper
98 100
100 62.9 50.1 75.1

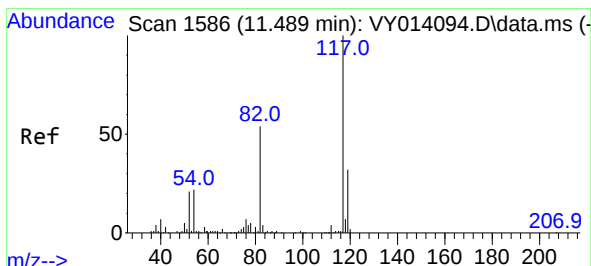
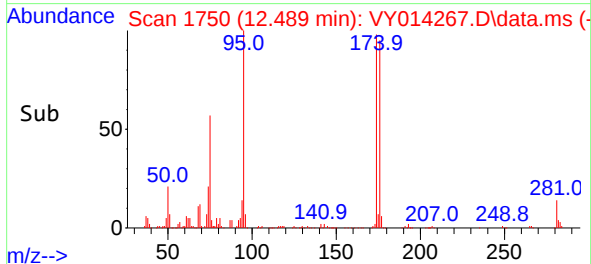
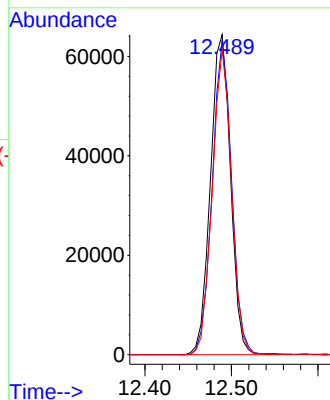
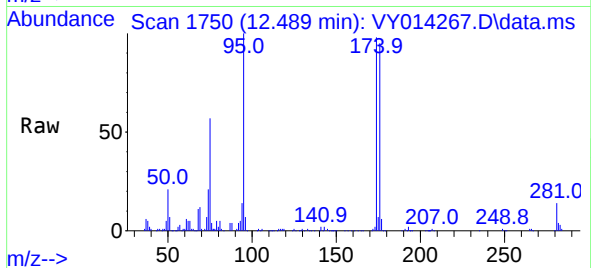




#62
4-Bromofluorobenzene
Concen: 38.871 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014267.D
Acq: 20 Jun 2023 07:46

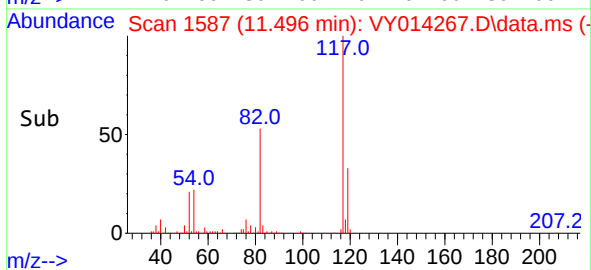
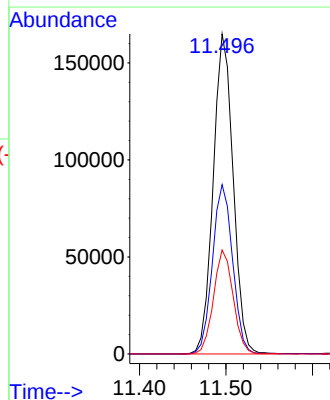
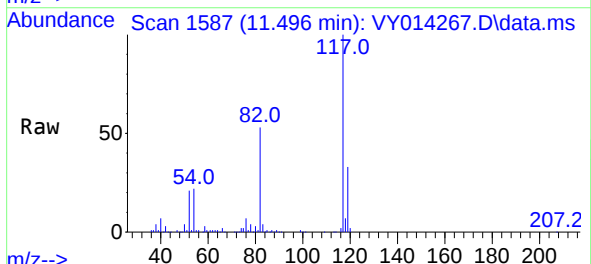
Instrument :
MSVOA_Y
ClientSampleId :
SB-2

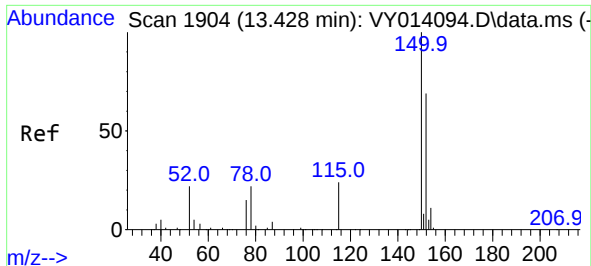
Tgt Ion: 95 Resp: 103678
Ion Ratio Lower Upper
95 100
174 94.9 0.0 178.2
176 91.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY014267.D
Acq: 20 Jun 2023 07:46

Tgt Ion: 117 Resp: 263788
Ion Ratio Lower Upper
117 100
82 52.9 43.4 65.0
119 32.5 26.3 39.5

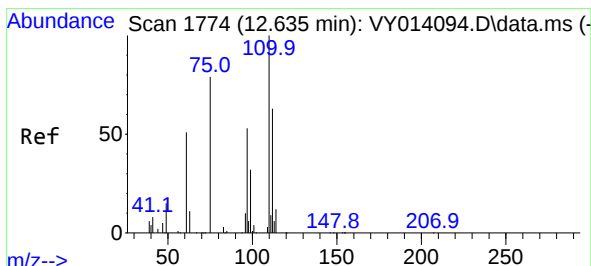
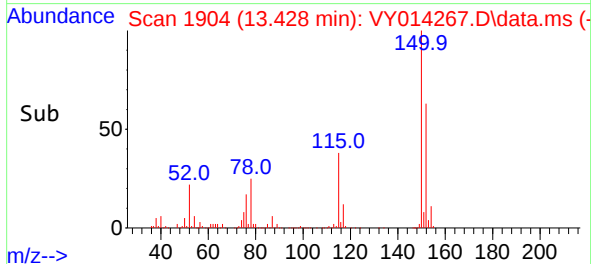
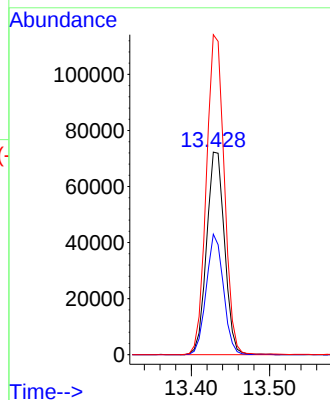
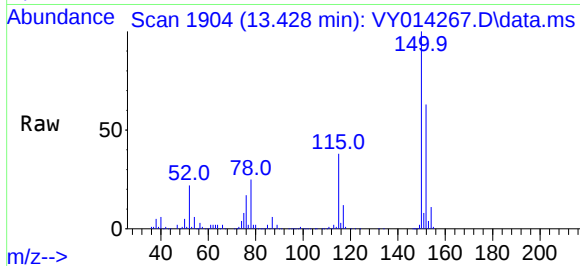




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014267.D
Acq: 20 Jun 2023 07:46

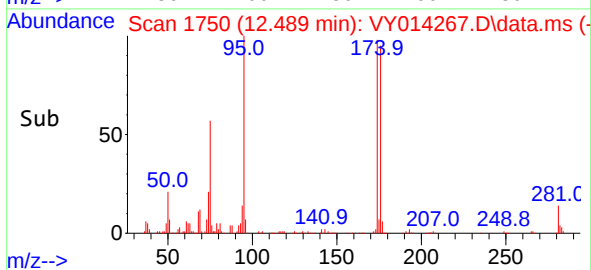
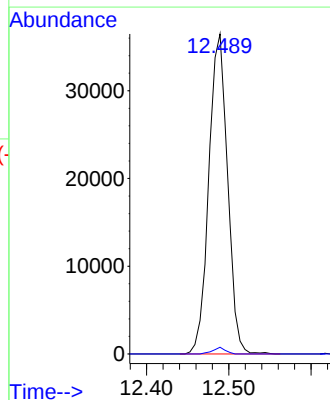
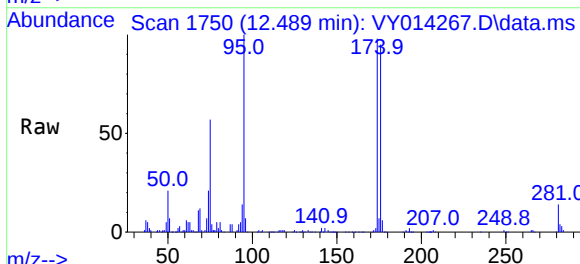
Instrument :
MSVOA_Y
ClientSampleId :
SB-2

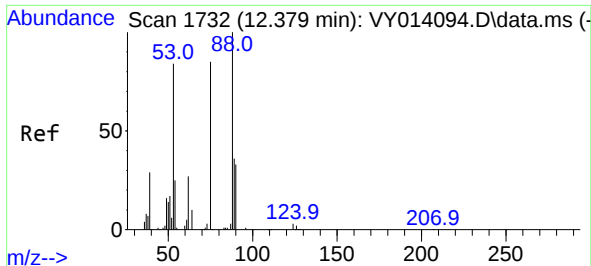
Tgt Ion:152 Resp: 114772
Ion Ratio Lower Upper
152 100
115 57.0 28.8 86.5
150 157.7 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 38.382 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014267.D
Acq: 20 Jun 2023 07:46

Tgt Ion: 75 Resp: 57795
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.967 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY014267.D
 Acq: 20 Jun 2023 07:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2

Tgt Ion: 75 Resp: 57795
 Ion Ratio Lower Upper
 75 100
 53 0.4 77.8 116.8#
 89 0.0 37.4 56.0#

