

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021423\
 Data File : VY012581.D
 Acq On : 14 Feb 2023 12:14
 Operator : KP/MD
 Sample : 01539-17
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
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Quant Time: Feb 15 01:24:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

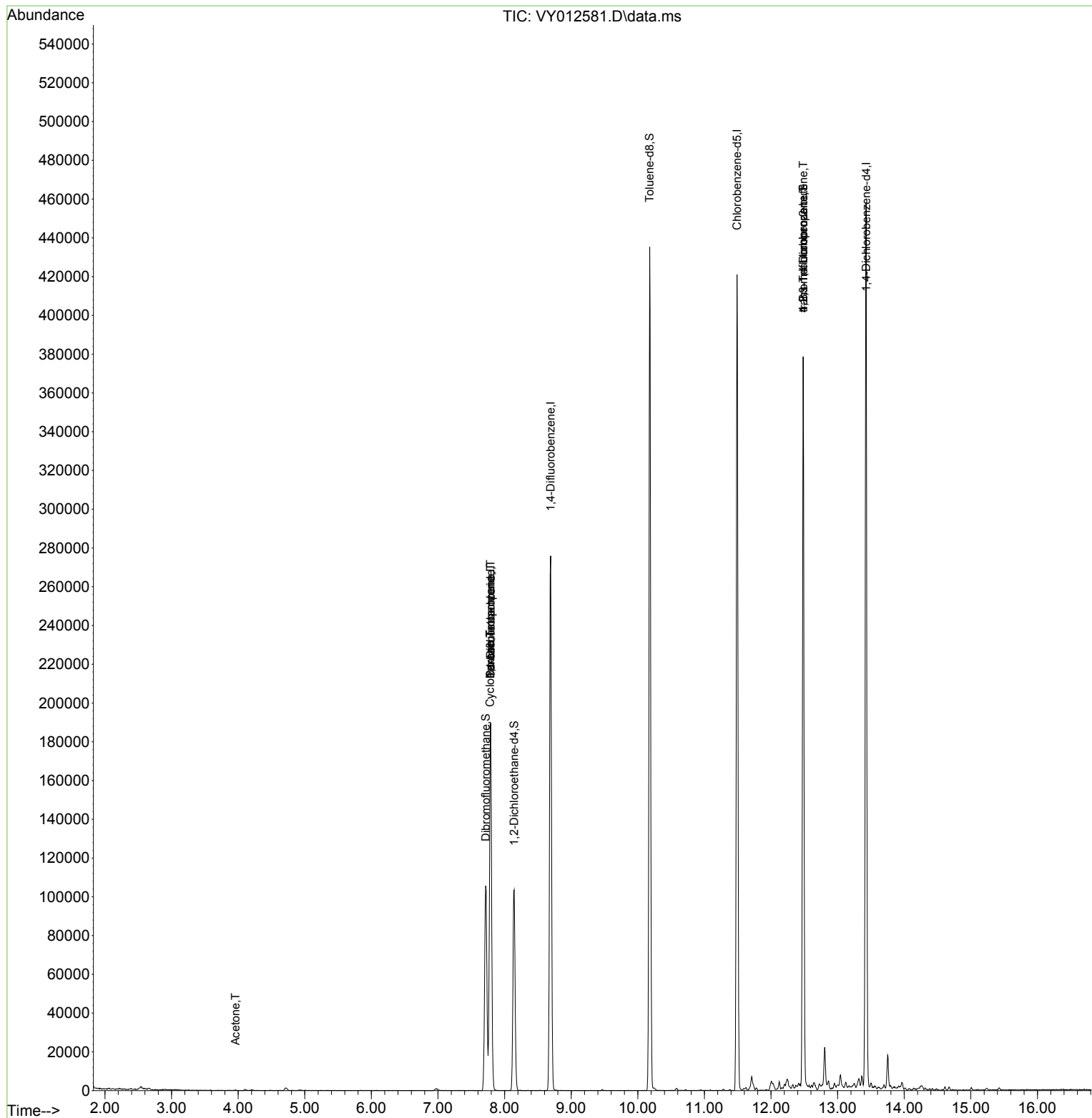
Internal Standards						
1) Pentafluorobenzene	7.789	168	150529	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	249352	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	243812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	89817	46.922	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.840%
35) Dibromofluoromethane	7.716	113	72461	39.903	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	79.800%
50) Toluene-d8	10.179	98	289851	38.348	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	76.700%
62) 4-Bromofluorobenzene	12.483	95	103298	39.181	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	78.360%
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	346	Below Cal		91
11) Tert butyl alcohol	4.917	59	126	Below Cal	#	75
16) Acetone	3.960	43	491	1.066	ug/l #	77
20) Methylene Chloride	4.710	84	1179	Below Cal	#	80
31) Cyclohexane	7.783	56	2574	1.163	ug/l #	32
36) 1,1-Dichloropropene	7.789	75	9758	3.970	ug/l #	49
38) Carbon Tetrachloride	7.789	117	14753	4.472	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	55994	41.065	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	55994	92.604	ug/l #	12

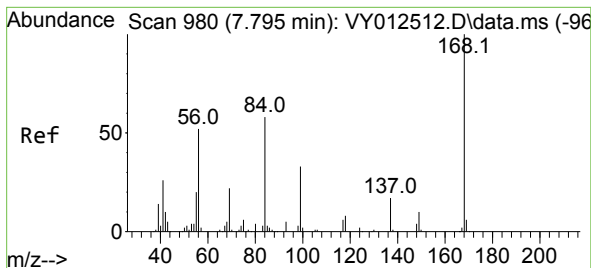
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 08 01:09:03 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY012581.D

Acq: 14 Feb 2023 12:14

Instrument :

MSVOA_Y

ClientSampleId :

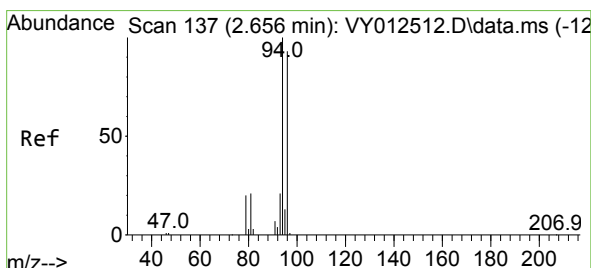
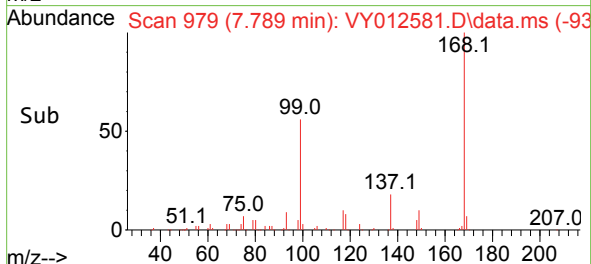
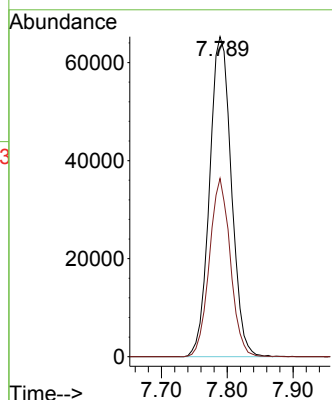
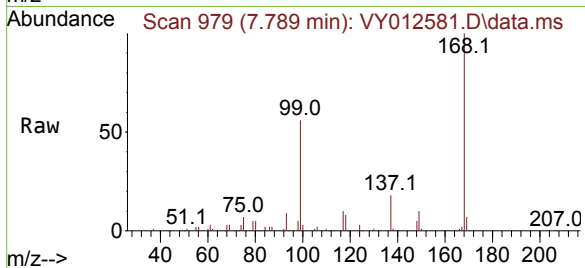
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Tgt Ion:168 Resp: 150529

Ion Ratio Lower Upper

168 100

99 55.7 40.8 61.2



#5

Bromomethane

Concen: Below Cal

RT: 2.662 min Scan# 138

Delta R.T. 0.006 min

Lab File: VY012581.D

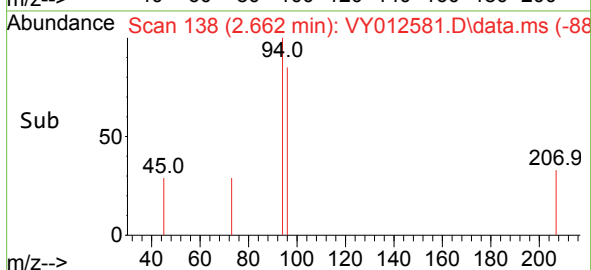
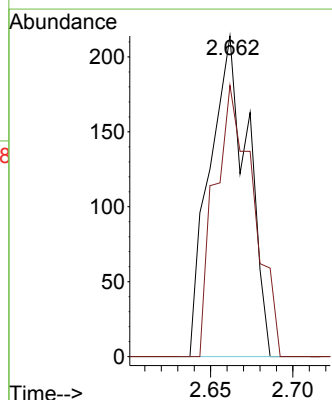
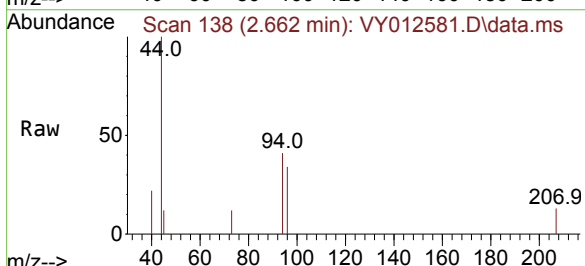
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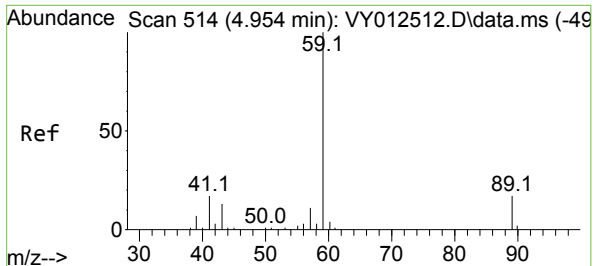
Tgt Ion: 94 Resp: 346

Ion Ratio Lower Upper

94 100

96 84.6 74.7 112.1





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.917 min Scan# 50

Delta R.T. -0.037 min

Lab File: VY012581.D

Acq: 14 Feb 2023 12:14

Instrument :

MSVOA_Y

ClientSampleId :

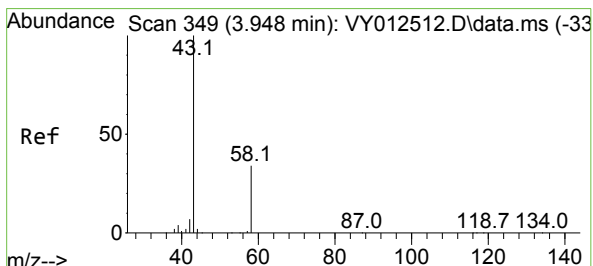
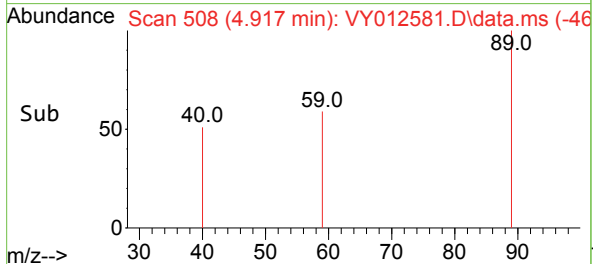
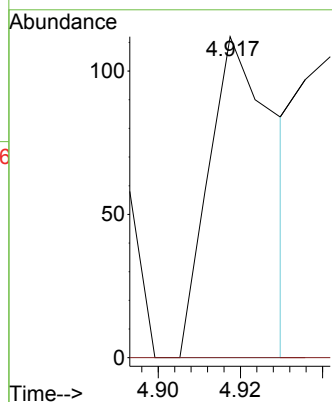
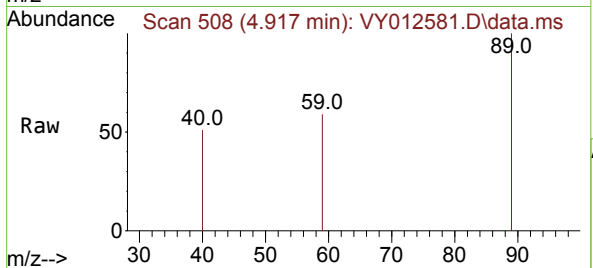
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Tgt Ion: 59 Resp: 126

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#16

Acetone

Concen: 1.066 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.012 min

Lab File: VY012581.D

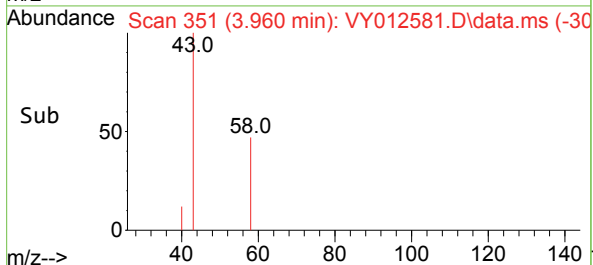
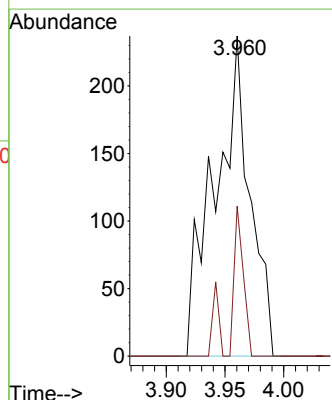
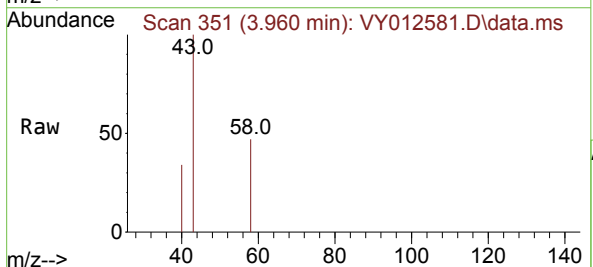
Acq: 14 Feb 2023 12:14

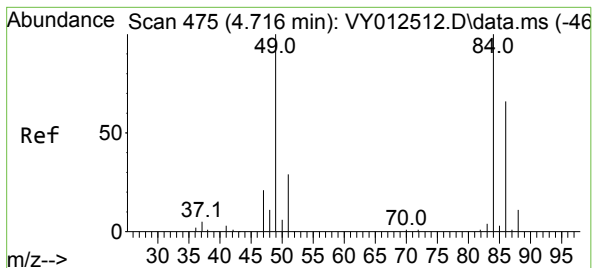
Tgt Ion: 43 Resp: 491

Ion Ratio Lower Upper

43 100

58 46.8 27.1 40.7#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY012581.D

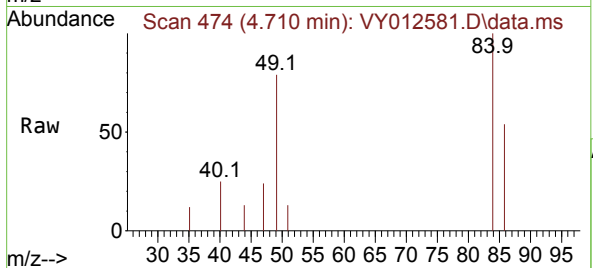
Acq: 14 Feb 2023 12:14

Instrument :

MSVOA_Y

ClientSampleId :

FIELD-BLANK



Tgt Ion: 84 Resp: 1179

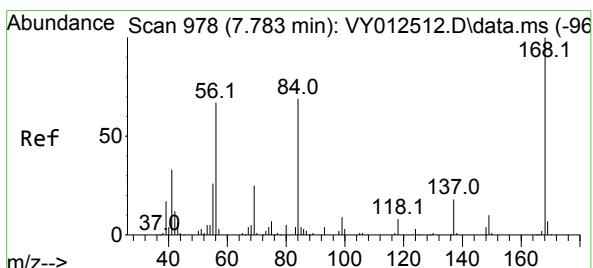
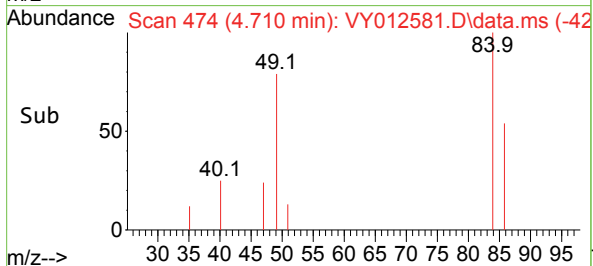
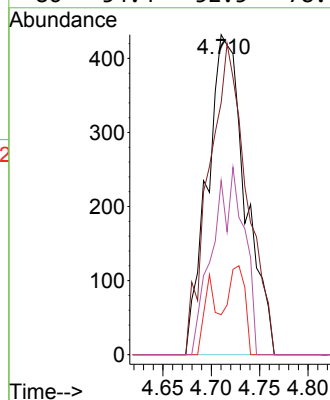
Ion Ratio Lower Upper

84 100

49 78.7 79.8 119.6#

51 12.5 23.4 35.2#

86 54.4 52.5 78.7



#31

Cyclohexane

Concen: 1.163 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.000 min

Lab File: VY012581.D

Acq: 14 Feb 2023 12:14

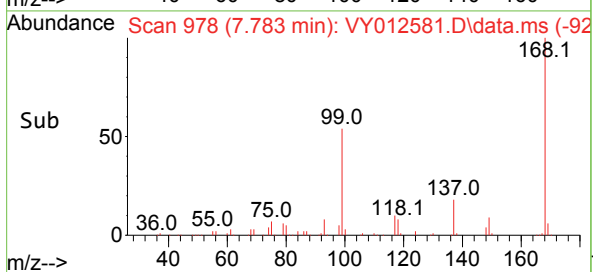
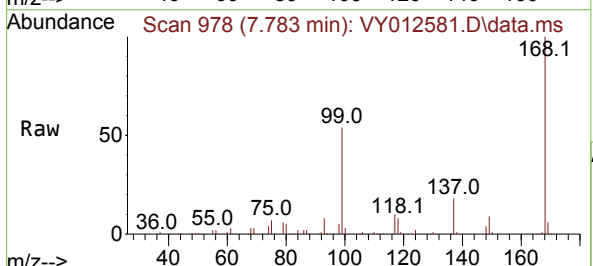
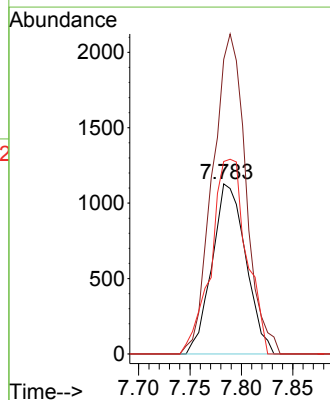
Tgt Ion: 56 Resp: 2574

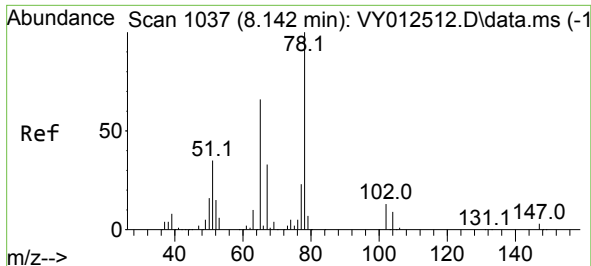
Ion Ratio Lower Upper

56 100

69 173.1 29.5 44.3#

84 113.1 81.9 122.9

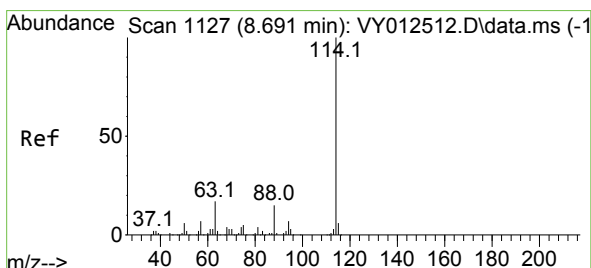
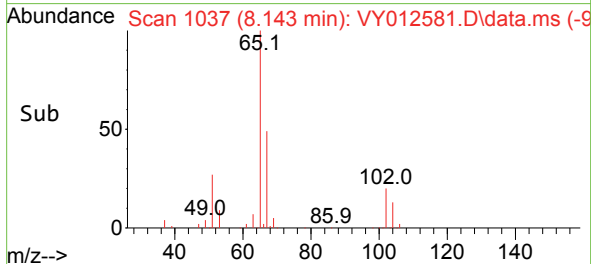
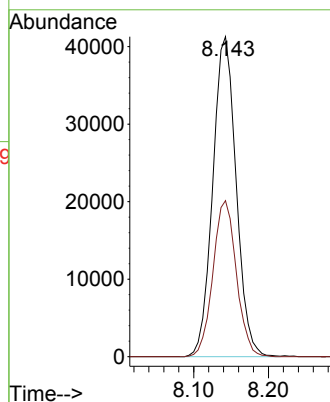
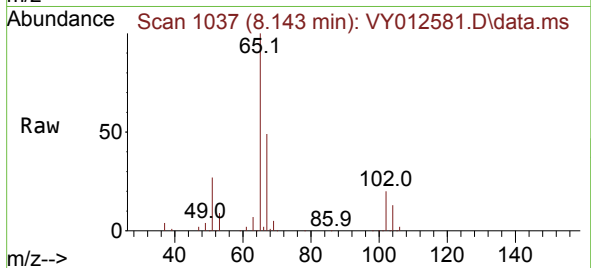




#33
 1,2-Dichloroethane-d4
 Concen: 46.922 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VY012581.D
 Acq: 14 Feb 2023 12:14

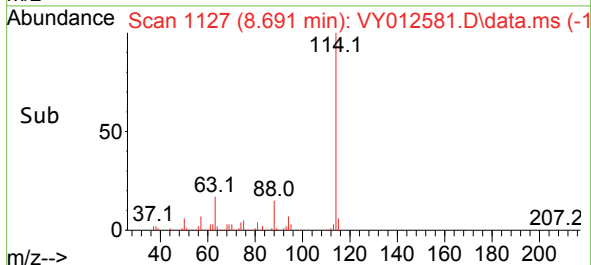
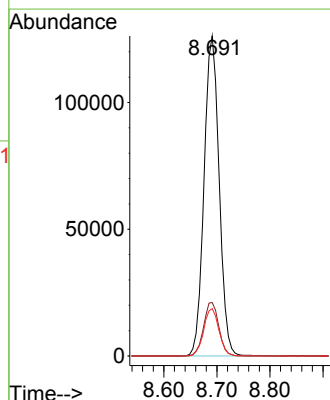
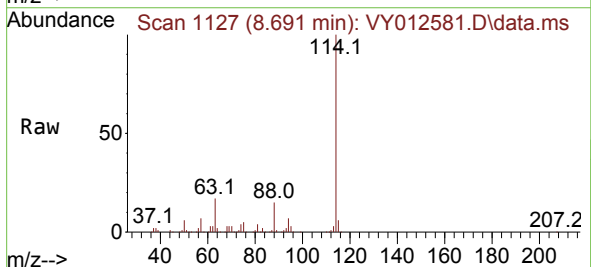
Instrument :
 MSVOA_Y
 ClientSampleId :
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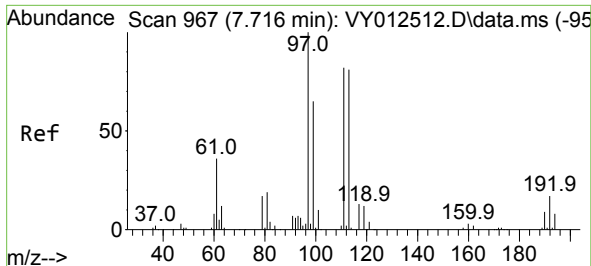
Tgt Ion: 65 Resp: 89817
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012581.D
 Acq: 14 Feb 2023 12:14

Tgt Ion: 114 Resp: 249352
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 33.6
 88 14.8 0.0 29.8

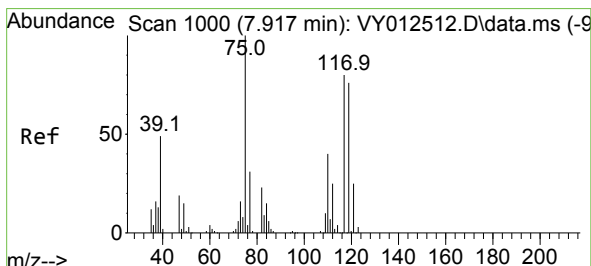
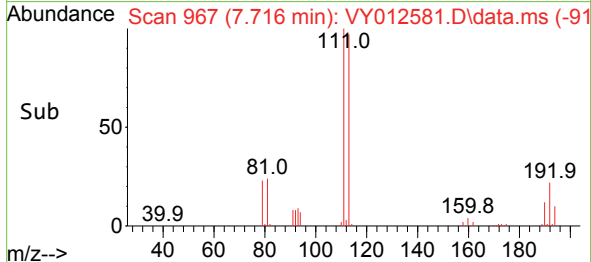
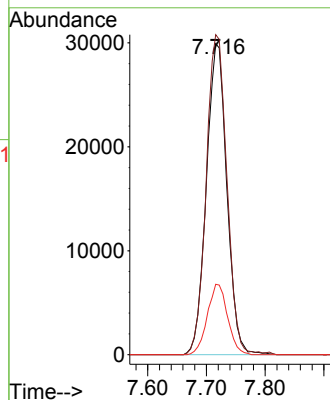
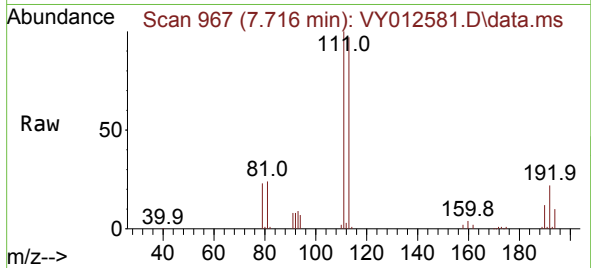




#35
Dibromofluoromethane
Concen: 39.903 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY012581.D
Acq: 14 Feb 2023 12:14

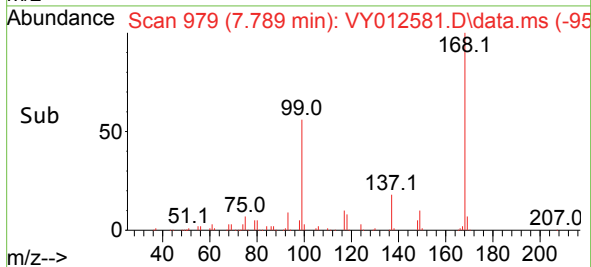
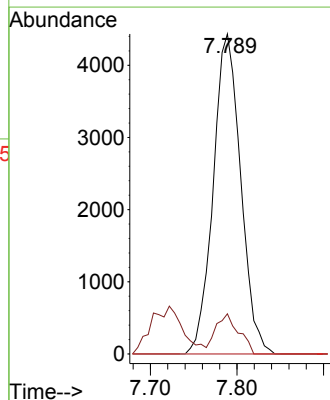
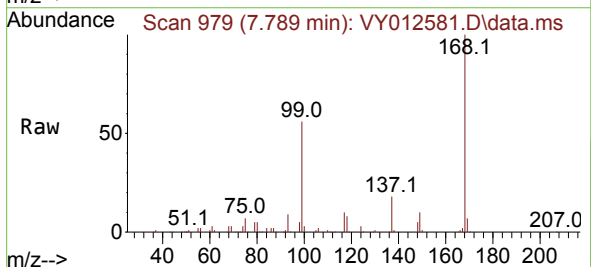
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MSVOA_Y
ClientSampleId :
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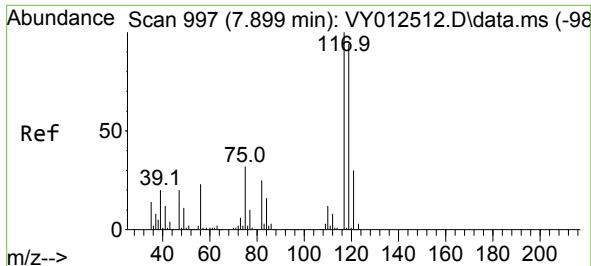
Tgt Ion:113 Resp: 72461
Ion Ratio Lower Upper
113 100
111 103.8 81.9 122.9
192 22.4 17.5 26.3



#36
1,1-Dichloropropene
Concen: 3.970 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012581.D
Acq: 14 Feb 2023 12:14

Tgt Ion: 75 Resp: 9758
Ion Ratio Lower Upper
75 100
110 10.4 19.5 58.5#
77 0.0 24.9 37.3#

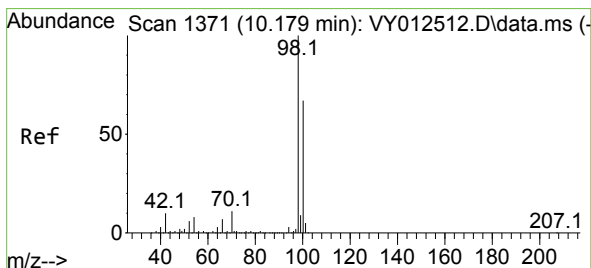
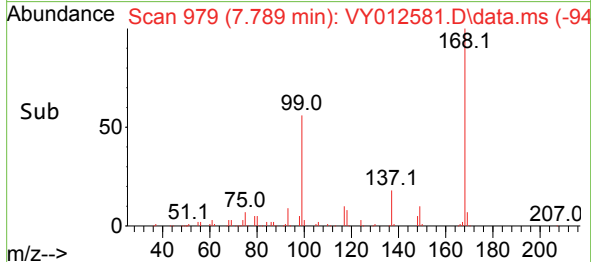
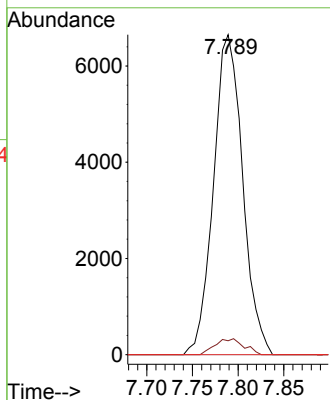
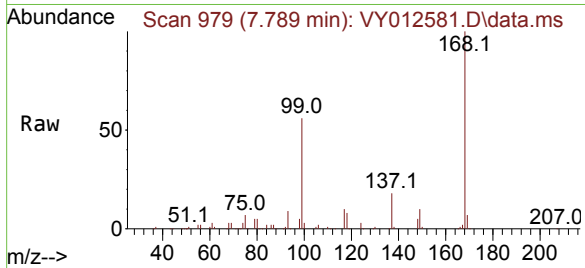




#38
Carbon Tetrachloride
Concen: 4.472 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012581.D
Acq: 14 Feb 2023 12:14

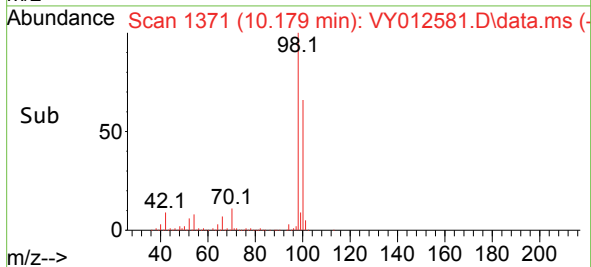
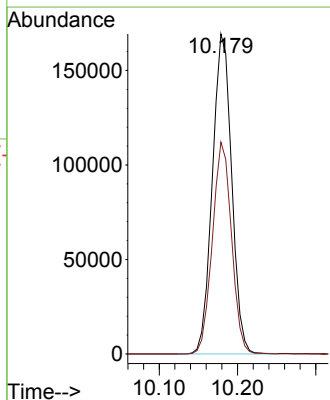
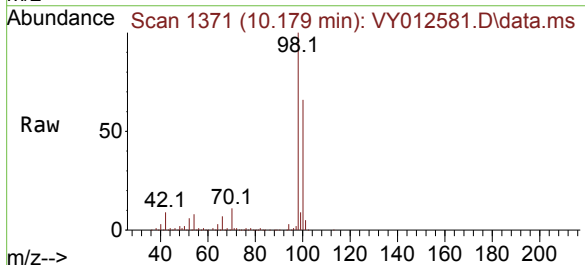
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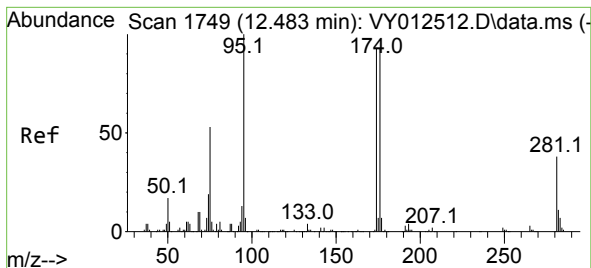
Tgt Ion:117 Resp: 14753
Ion Ratio Lower Upper
117 100
119 4.3 75.1 112.7#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 38.348 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012581.D
Acq: 14 Feb 2023 12:14

Tgt Ion: 98 Resp: 289851
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.2

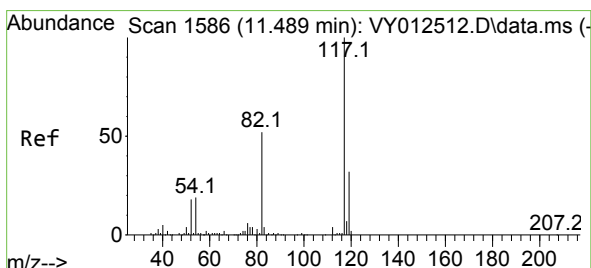
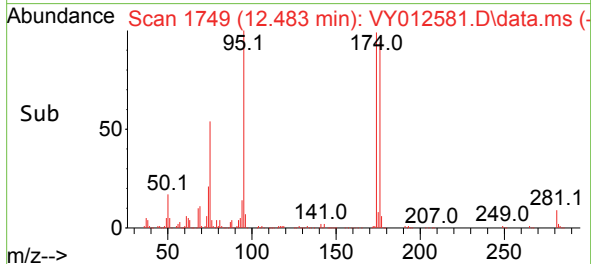
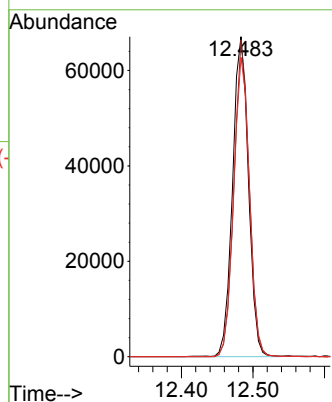
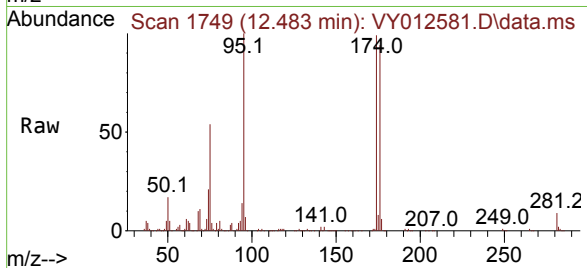




#62
4-Bromofluorobenzene
Concen: 39.181 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012581.D
Acq: 14 Feb 2023 12:14

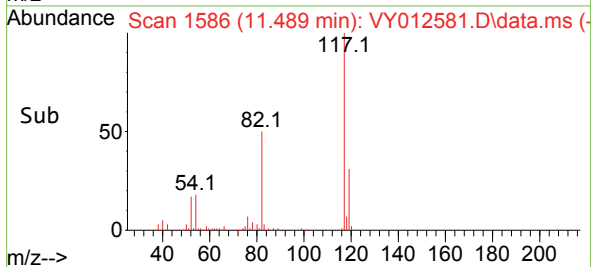
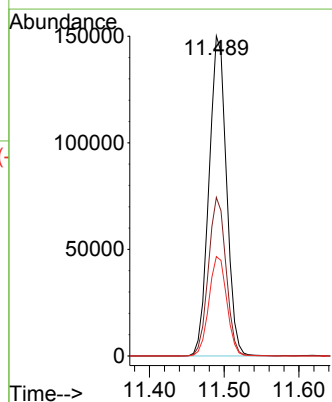
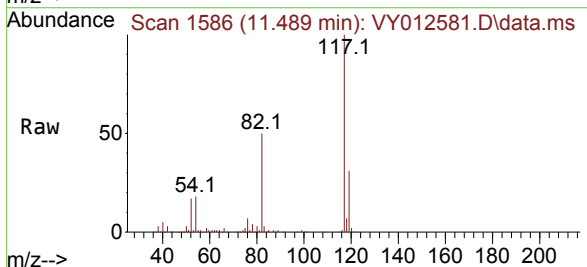
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MSVOA_Y
ClientSampleId :
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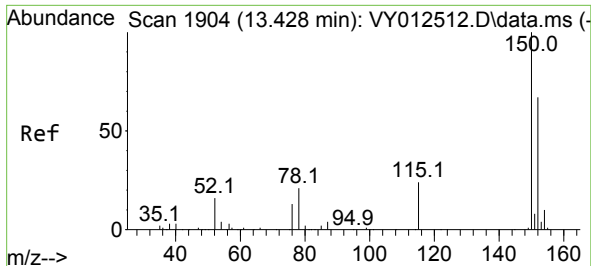
Tgt Ion: 95 Resp: 103298
Ion Ratio Lower Upper
95 100
174 95.2 0.0 188.0
176 92.9 0.0 183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012581.D
Acq: 14 Feb 2023 12:14

Tgt Ion: 117 Resp: 243812
Ion Ratio Lower Upper
117 100
82 49.5 41.7 62.5
119 31.1 25.8 38.8

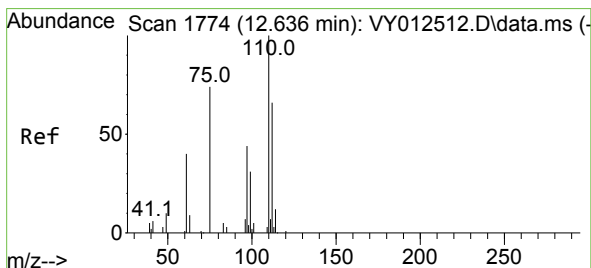
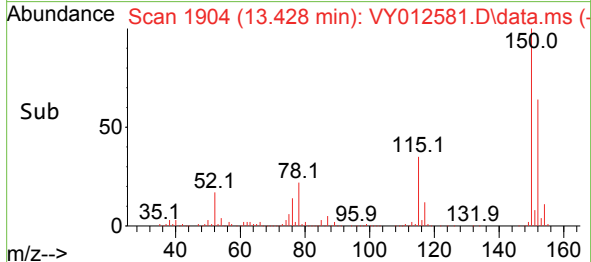
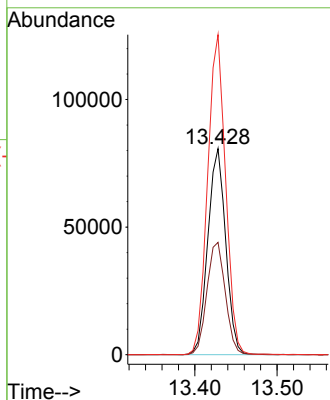
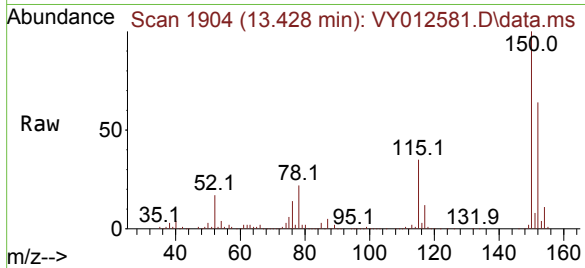




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY012581.D
 Acq: 14 Feb 2023 12:14

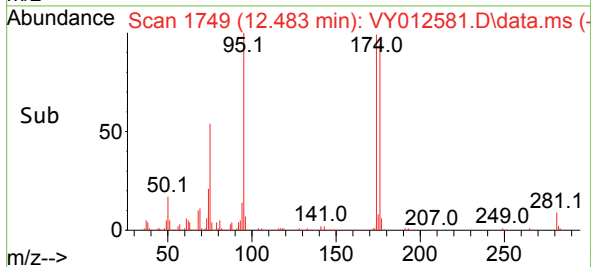
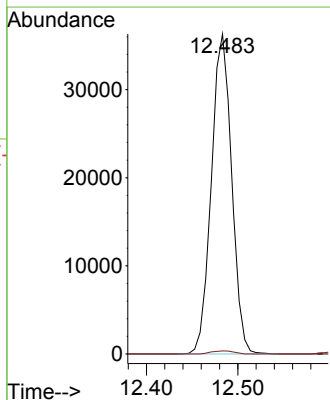
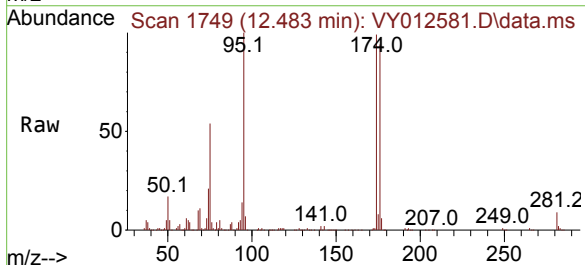
Instrument :
 MSVOA_Y
 ClientSampleId :
 FIELD-BLANK

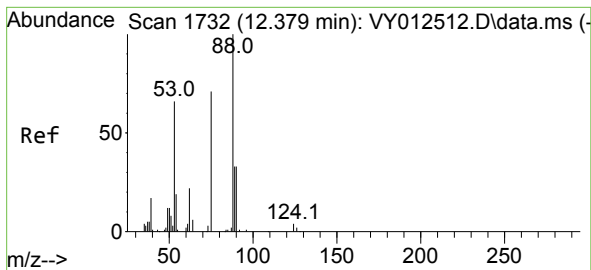
Tgt Ion:152 Resp: 122046
 Ion Ratio Lower Upper
 152 100
 115 56.2 28.1 84.3
 150 155.7 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 41.065 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY012581.D
 Acq: 14 Feb 2023 12:14

Tgt Ion: 75 Resp: 55994
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.604 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012581.D
 Acq: 14 Feb 2023 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 FIELD-BLANK

Tgt Ion: 75 Resp: 55994
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.1 39.9 59.9#

