

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020923\
 Data File : VY012561.D
 Acq On : 09 Feb 2023 13:12
 Operator : KP/MD
 Sample : 01504-07
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TRIP-BLANK

Quant Time: Feb 10 05:57:23 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)

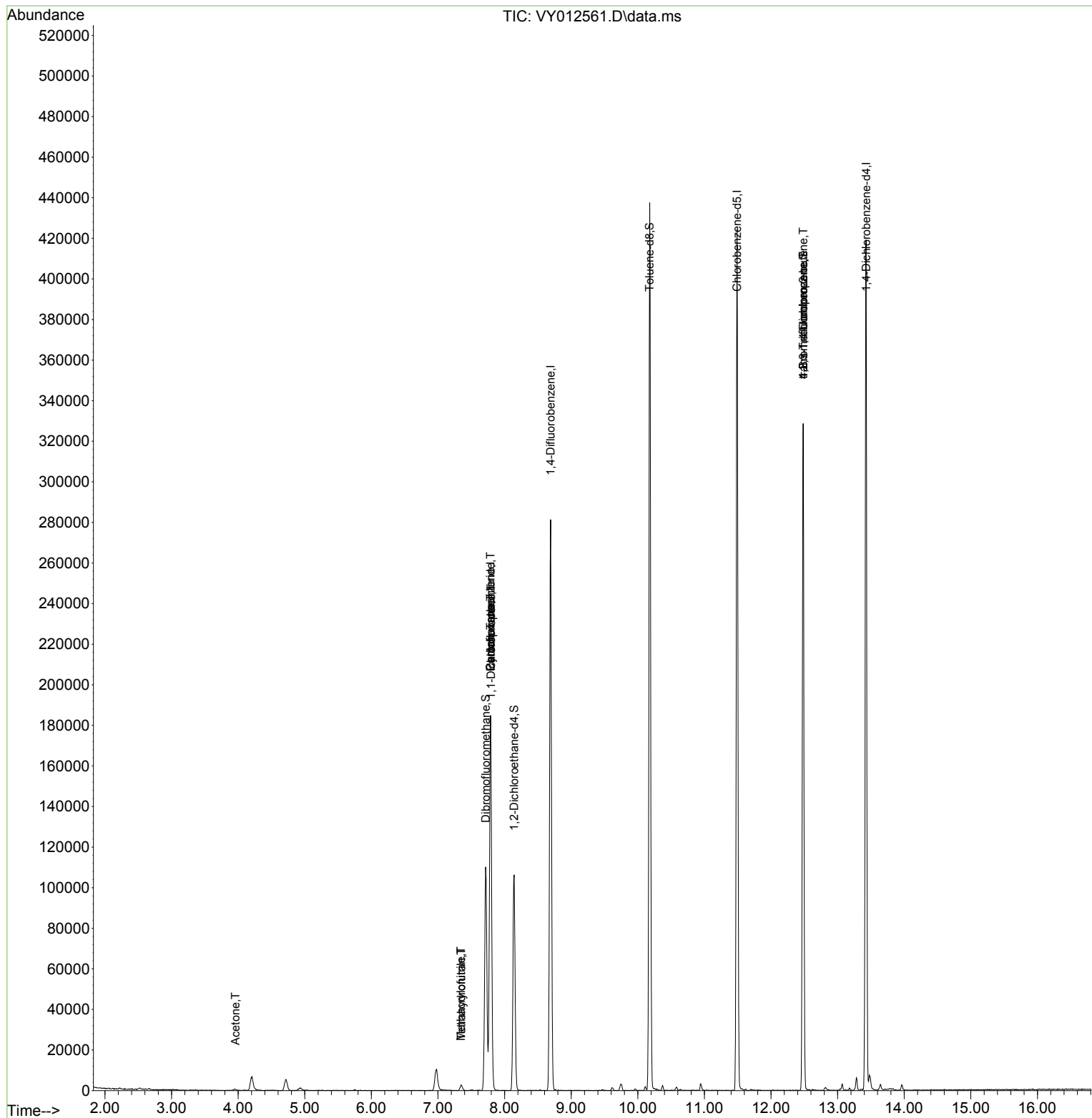
Internal Standards						
1) Pentafluorobenzene	7.789	168	147652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	248262	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	243989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	117577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	89215	47.516	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.040%
35) Dibromofluoromethane	7.716	113	74752	41.345	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.700%
50) Toluene-d8	10.179	98	295089	39.212	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	78.420%
62) 4-Bromofluorobenzene	12.483	95	98842	37.656	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	75.320%
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	145	Below Cal		92
11) Tert butyl alcohol	4.942	59	1581	Below Cal	#	75
16) Acetone	3.960	43	1110	2.456	ug/l	95
20) Methylene Chloride	4.716	84	4642	Below Cal		97
29) Tetrahydrofuran	7.350	42	1832	6.759	ug/l	98
31) Cyclohexane	7.789	56	2545	1.172	ug/l	# 40
36) 1,1-Dichloropropene	7.795	75	9705	3.966	ug/l	# 49
38) Carbon Tetrachloride	7.789	117	14740	4.488	ug/l	# 17
41) Methacrylonitrile	7.344	41	1109	1.833	ug/l	# 100
76) 1,2,3-Trichloropropane	12.483	75	52281	39.799	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	52281	89.750	ug/l	# 12

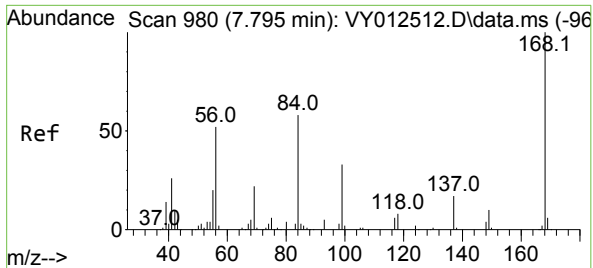
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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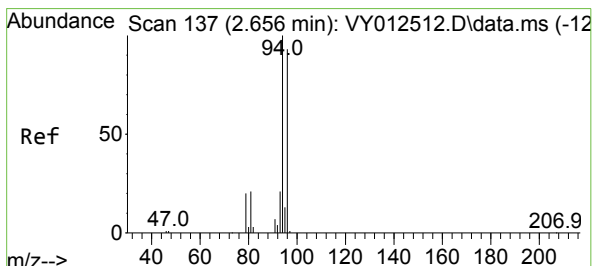
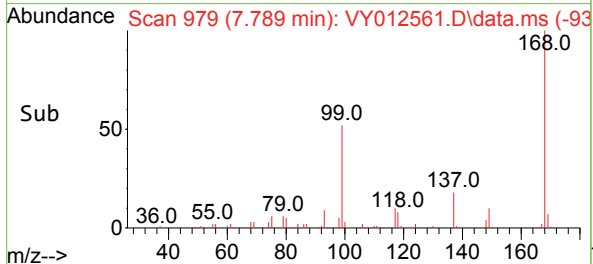
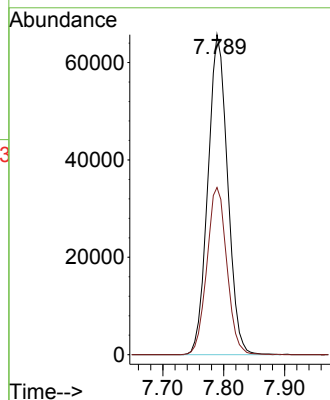
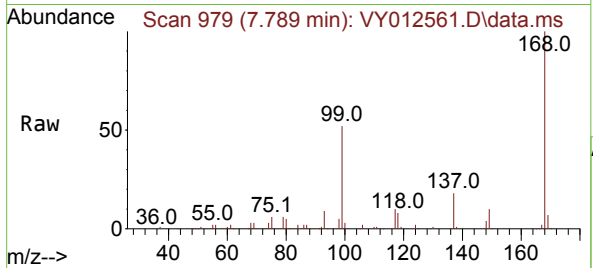




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012561.D
Acq: 09 Feb 2023 13:12

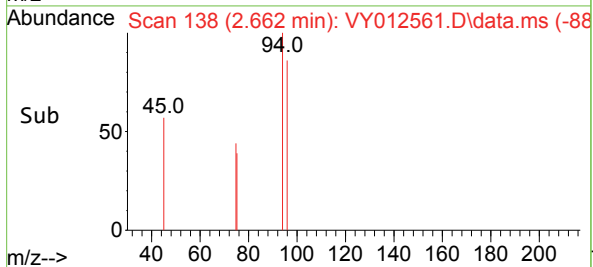
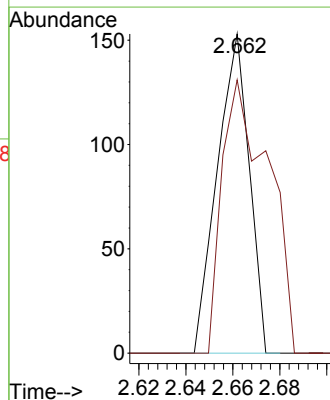
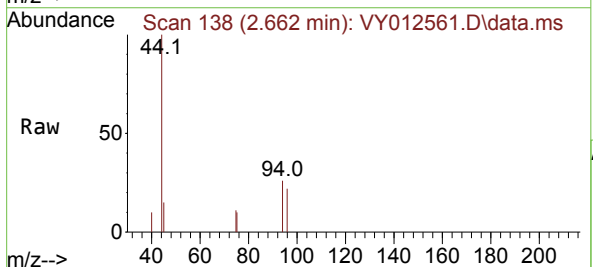
Instrument :
MSVOA_Y
ClientSampleId :
TRIP-BLANK

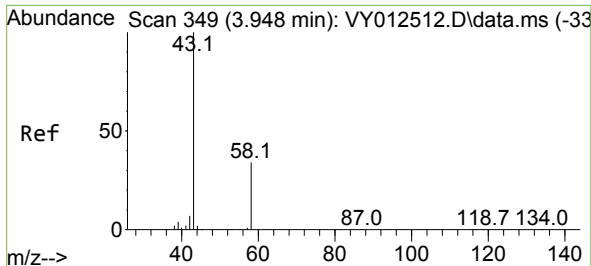
Tgt Ion:168 Resp: 147652
Ion Ratio Lower Upper
168 100
99 52.3 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY012561.D
Acq: 09 Feb 2023 13:12

Tgt Ion: 94 Resp: 145
Ion Ratio Lower Upper
94 100
96 85.6 74.7 112.1





#16

Acetone

Concen: 2.456 ug/l

RT: 3.960 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY012561.D

Acq: 09 Feb 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

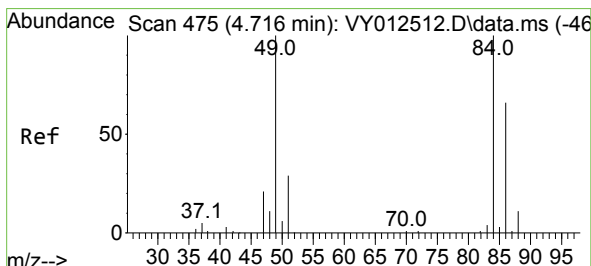
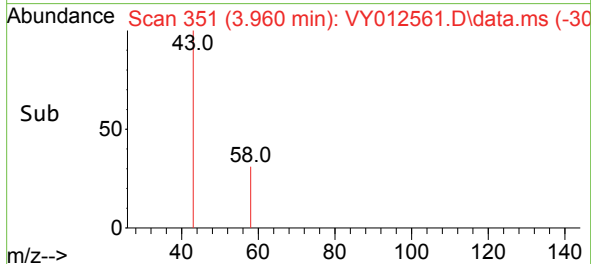
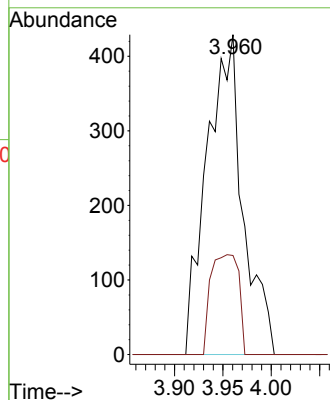
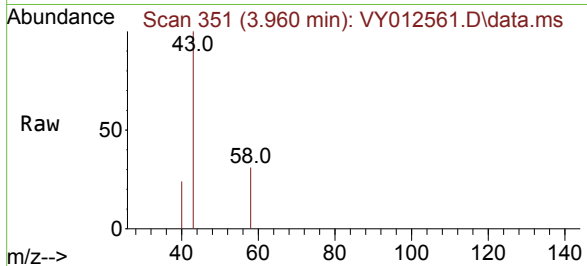
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Tgt Ion: 43 Resp: 1110

Ion Ratio Lower Upper

43 100

58 31.0 27.1 40.7



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY012561.D

Acq: 09 Feb 2023 13:12

Tgt Ion: 84 Resp: 4642

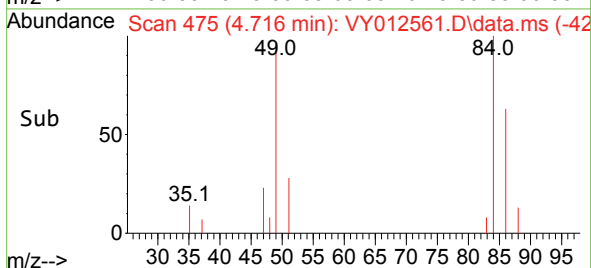
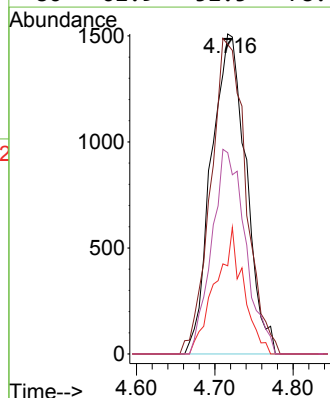
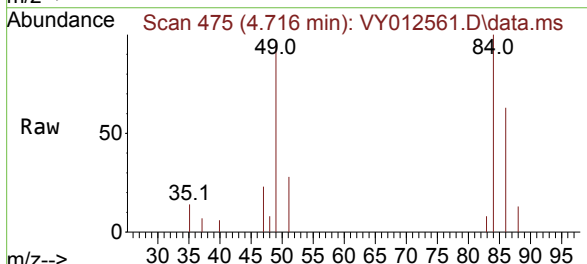
Ion Ratio Lower Upper

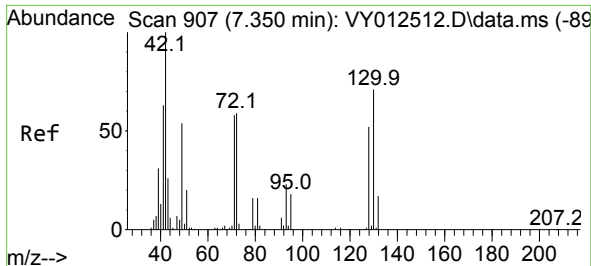
84 100

49 96.7 79.8 119.6

51 27.6 23.4 35.2

86 62.9 52.5 78.7





#29

Tetrahydrofuran

Concen: 6.759 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY012561.D

Acq: 09 Feb 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

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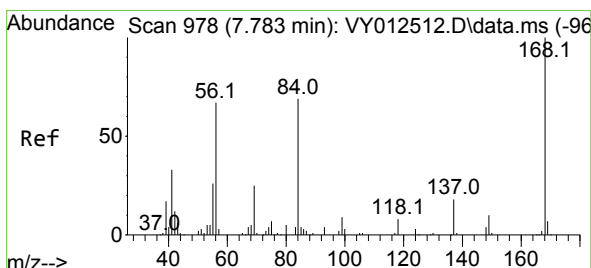
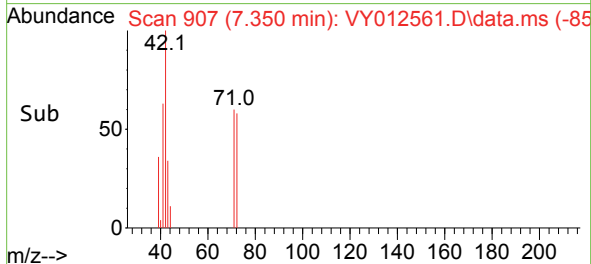
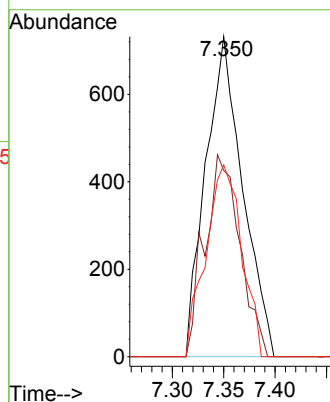
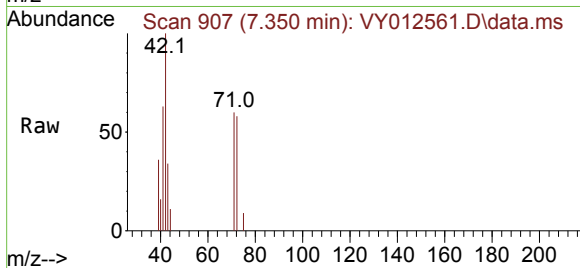
Tgt Ion: 42 Resp: 1832

Ion Ratio Lower Upper

42 100

72 59.9 47.0 70.6

71 58.0 44.6 66.8



#31

Cyclohexane

Concen: 1.172 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012561.D

Acq: 09 Feb 2023 13:12

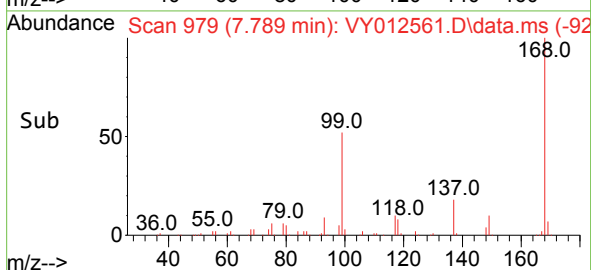
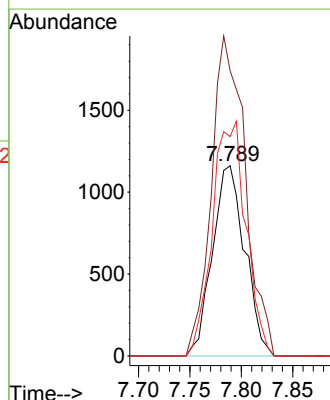
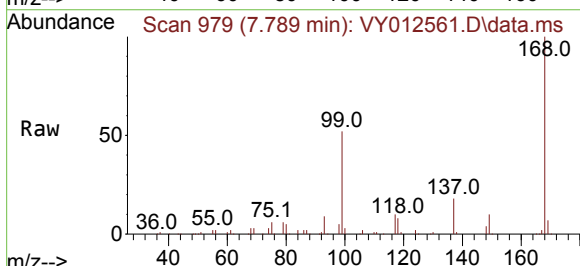
Tgt Ion: 56 Resp: 2545

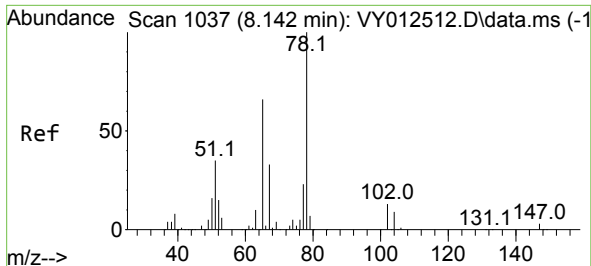
Ion Ratio Lower Upper

56 100

69 149.8 29.5 44.3#

84 115.2 81.9 122.9





#33

1,2-Dichloroethane-d4

Concen: 47.516 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY012561.D

Acq: 09 Feb 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

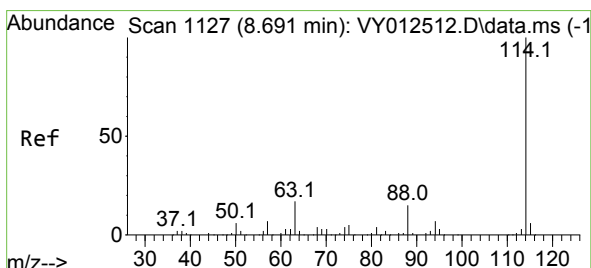
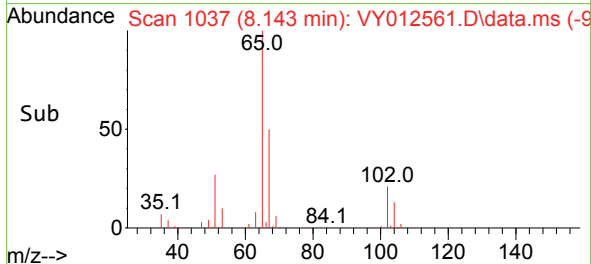
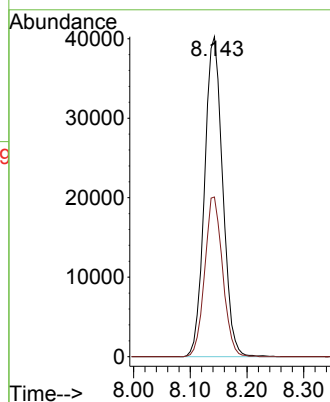
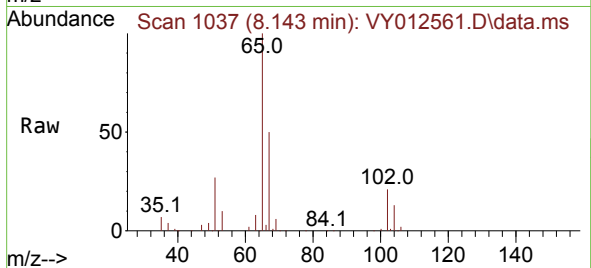
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Tgt Ion: 65 Resp: 89215

Ion Ratio Lower Upper

65 100

67 49.4 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: VY012561.D

Acq: 09 Feb 2023 13:12

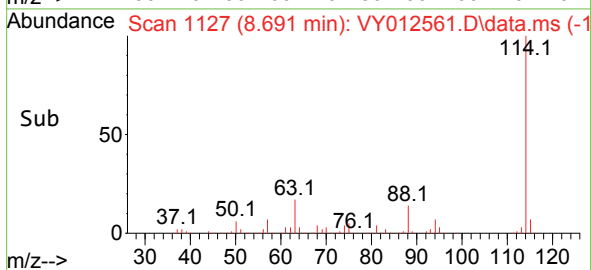
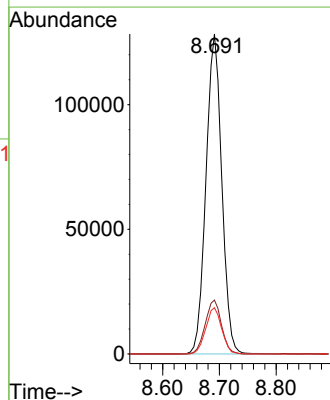
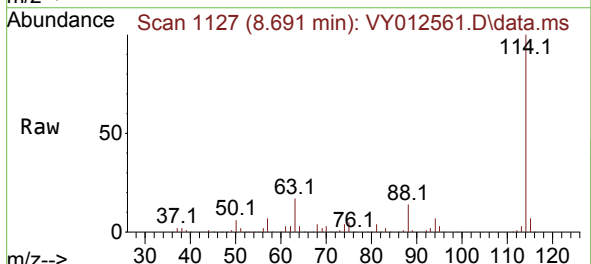
Tgt Ion: 114 Resp: 248262

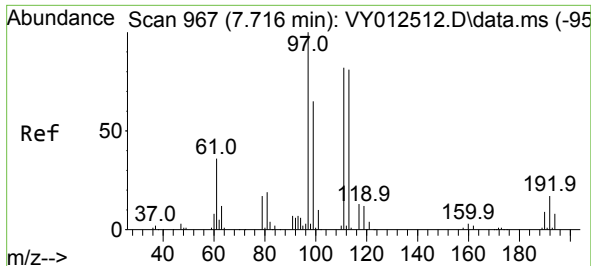
Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.6

88 14.5 0.0 29.8

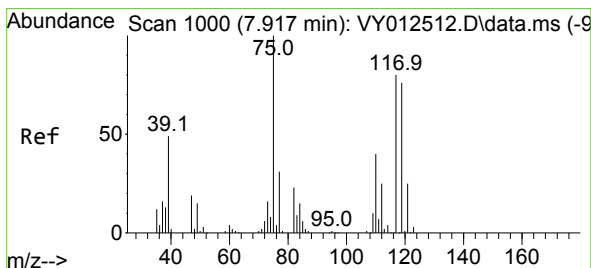
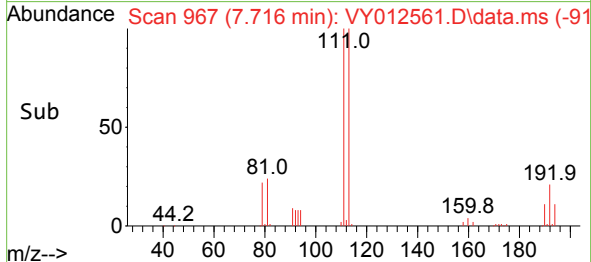
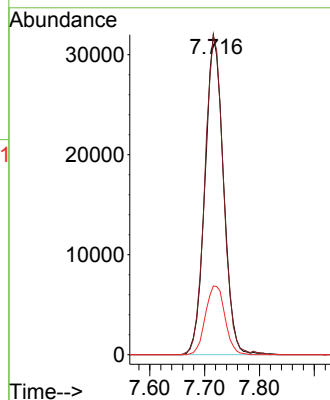
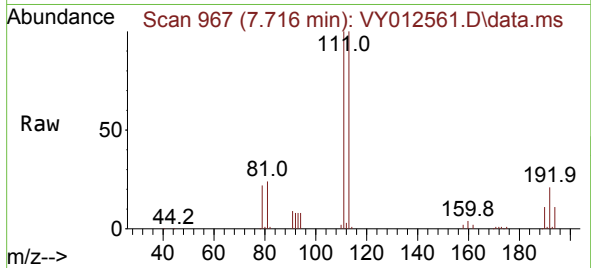




#35
Dibromofluoromethane
Concen: 41.345 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY012561.D
Acq: 09 Feb 2023 13:12

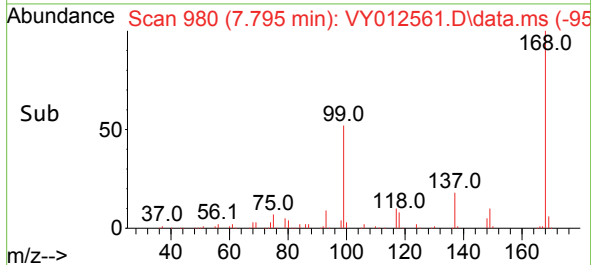
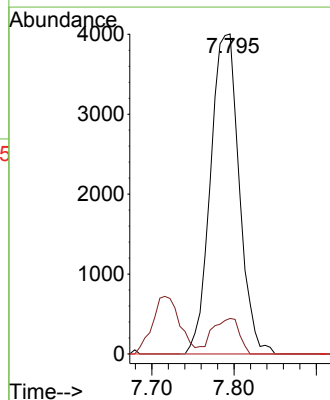
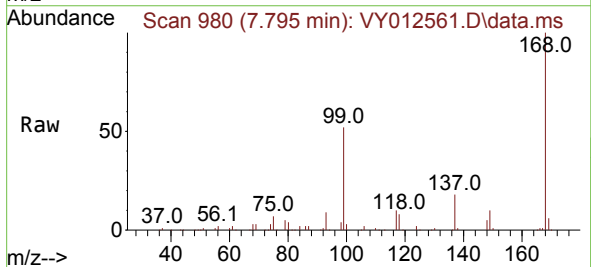
Instrument :
MSVOA_Y
ClientSampleId :
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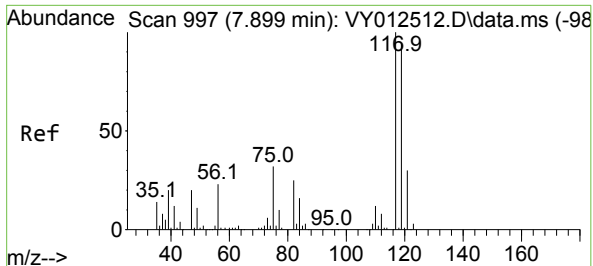
Tgt Ion:113 Resp: 74752
Ion Ratio Lower Upper
113 100
111 100.8 81.9 122.9
192 22.7 17.5 26.3



#36
1,1-Dichloropropene
Concen: 3.966 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY012561.D
Acq: 09 Feb 2023 13:12

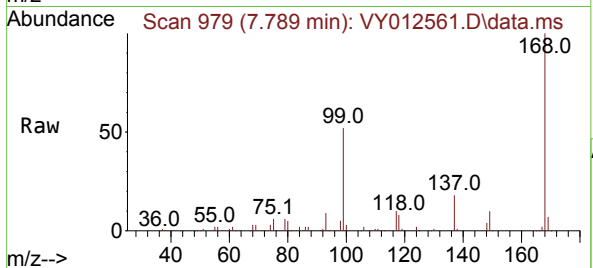
Tgt Ion: 75 Resp: 9705
Ion Ratio Lower Upper
75 100
110 10.7 19.5 58.5#
77 0.0 24.9 37.3#



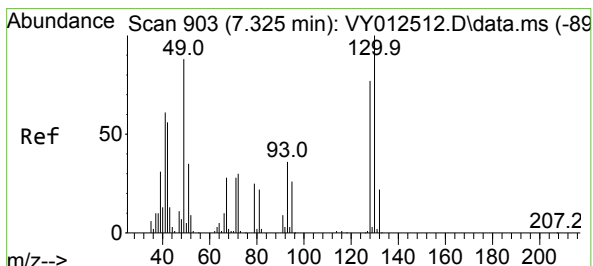
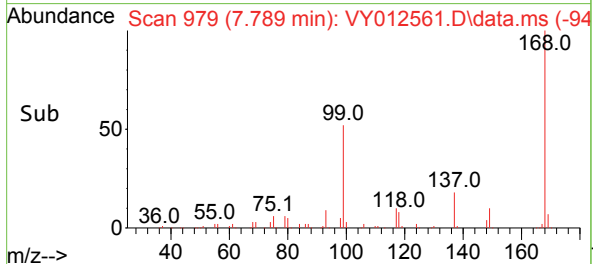
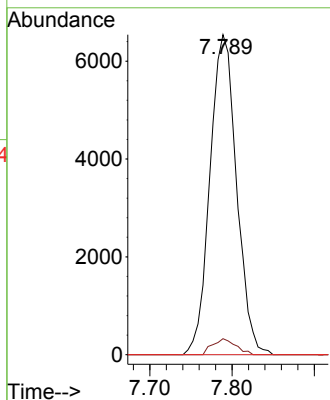


#38
Carbon Tetrachloride
Concen: 4.488 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012561.D
Acq: 09 Feb 2023 13:12

Instrument :
MSVOA_Y
ClientSampleId :
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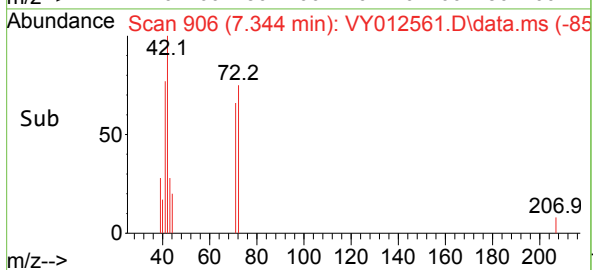
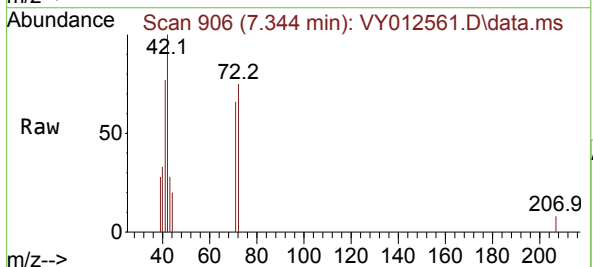
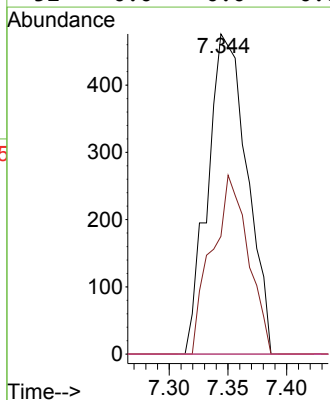


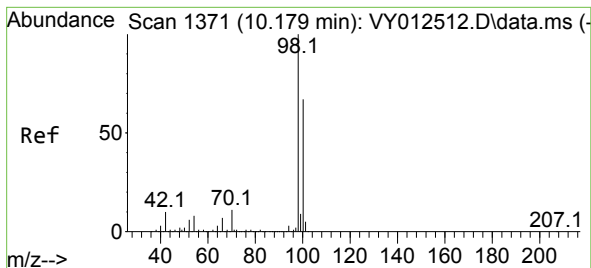
Tgt Ion:117 Resp: 14740
Ion Ratio Lower Upper
117 100
119 5.0 75.1 112.7#
121 0.0 24.3 36.5#



#41
Methacrylonitrile
Concen: 1.833 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.018 min
Lab File: VY012561.D
Acq: 09 Feb 2023 13:12

Tgt Ion: 41 Resp: 1109
Ion Ratio Lower Upper
41 100
39 51.7 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

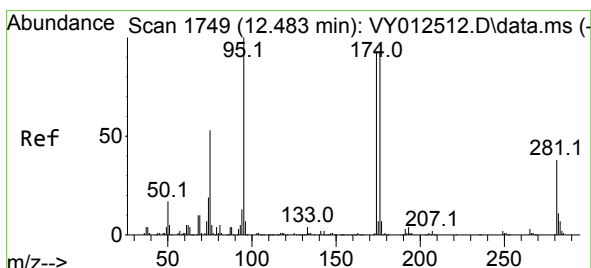
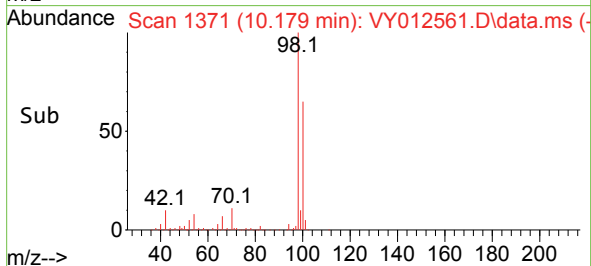
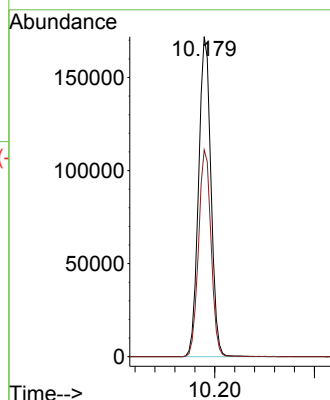
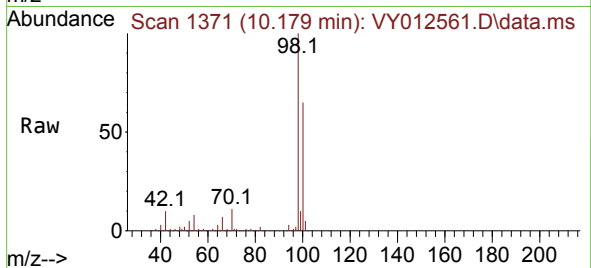




#50
Toluene-d8
Concen: 39.212 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012561.D
Acq: 09 Feb 2023 13:12

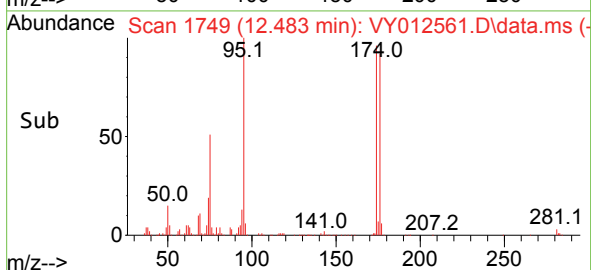
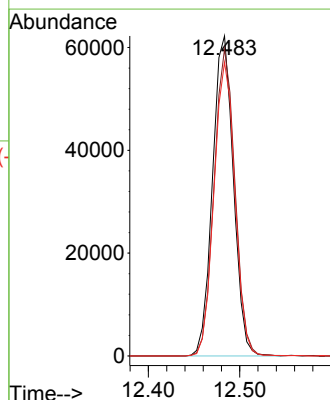
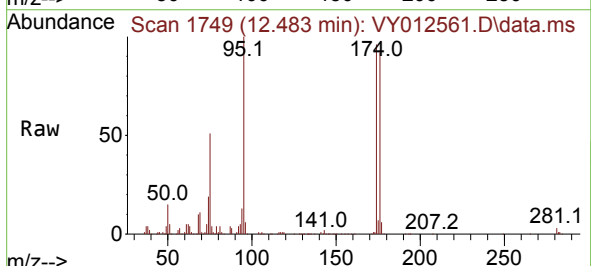
Instrument :
MSVOA_Y
ClientSampleId :
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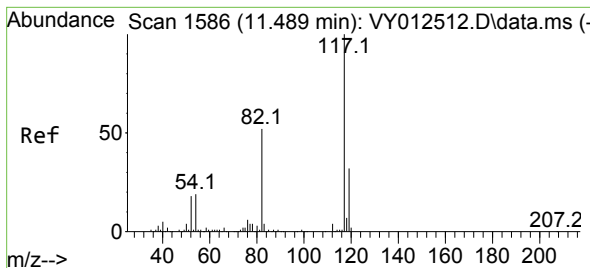
Tgt Ion: 98 Resp: 295089
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 37.656 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012561.D
Acq: 09 Feb 2023 13:12

Tgt Ion: 95 Resp: 98842
Ion Ratio Lower Upper
95 100
174 96.4 0.0 188.0
176 92.5 0.0 183.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY012561.D

Acq: 09 Feb 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

TRIP-BLANK

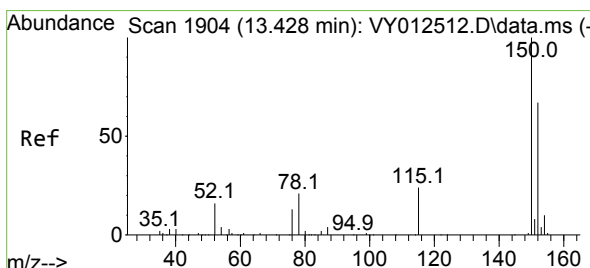
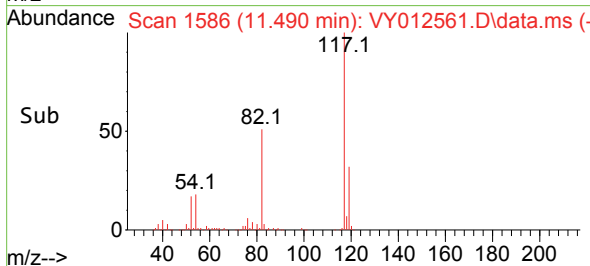
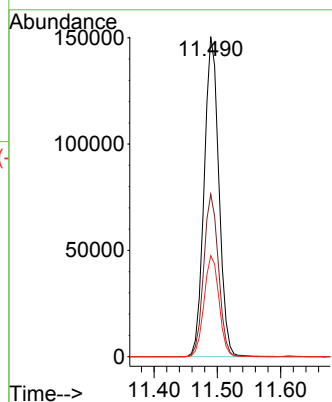
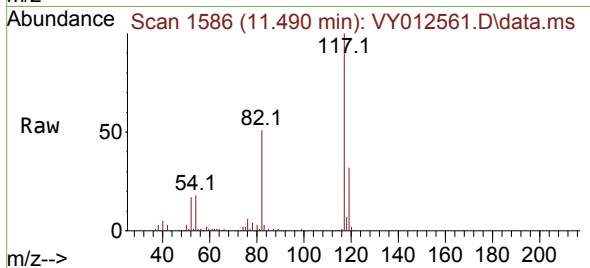
Tgt Ion:117 Resp: 243989

Ion Ratio Lower Upper

117 100

82 50.8 41.7 62.5

119 31.6 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: VY012561.D

Acq: 09 Feb 2023 13:12

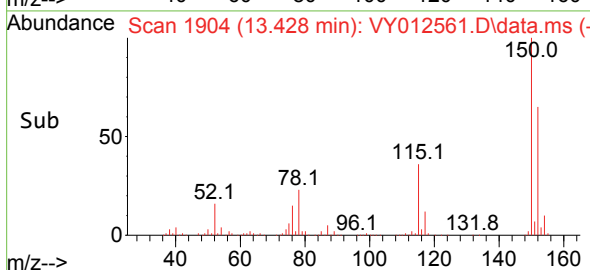
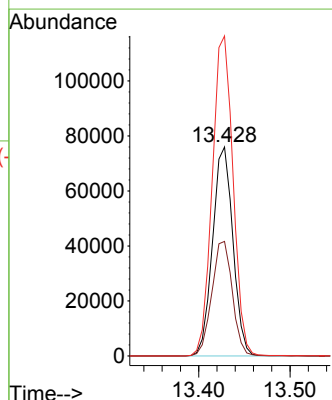
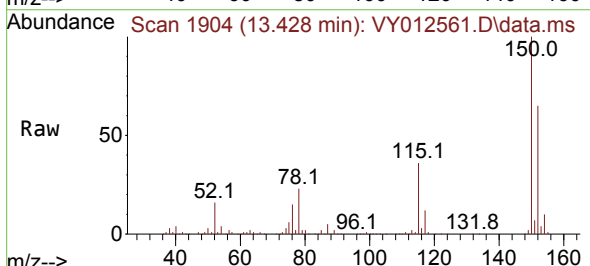
Tgt Ion:152 Resp: 117577

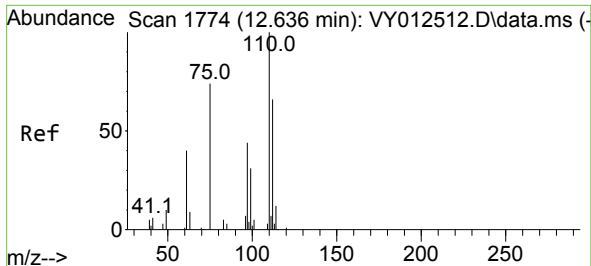
Ion Ratio Lower Upper

152 100

115 55.4 28.1 84.3

150 156.6 0.0 351.0

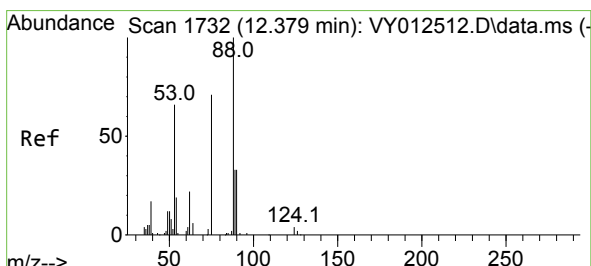
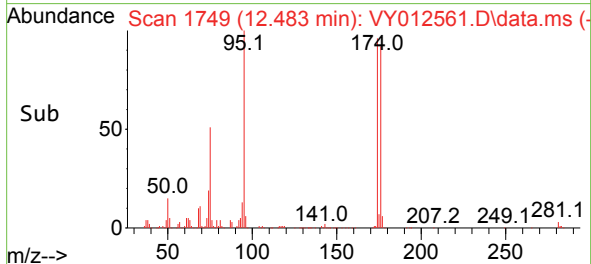
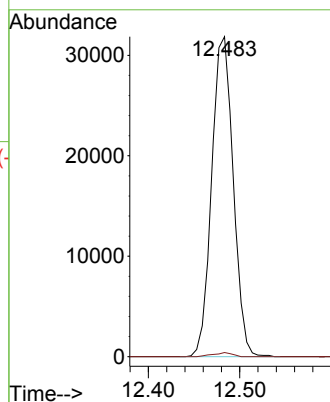
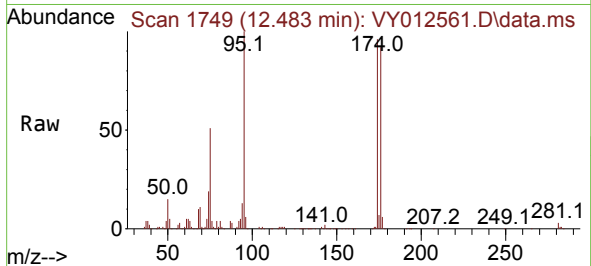




#76
1,2,3-Trichloropropane
Concen: 39.799 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012561.D
Acq: 09 Feb 2023 13:12

Instrument :
MSVOA_Y
ClientSampleId :
TRIP-BLANK

Tgt Ion: 75 Resp: 52281
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.750 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012561.D
Acq: 09 Feb 2023 13:12

Tgt Ion: 75 Resp: 52281
Ion Ratio Lower Upper
75 100
53 0.1 73.1 109.7#
89 0.0 39.9 59.9#

