

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030923\
 Data File : VY012887.D
 Acq On : 09 Mar 2023 10:35
 Operator : KP/MD
 Sample : VY0309SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0309SBL01

Quant Time: Mar 10 00:26:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

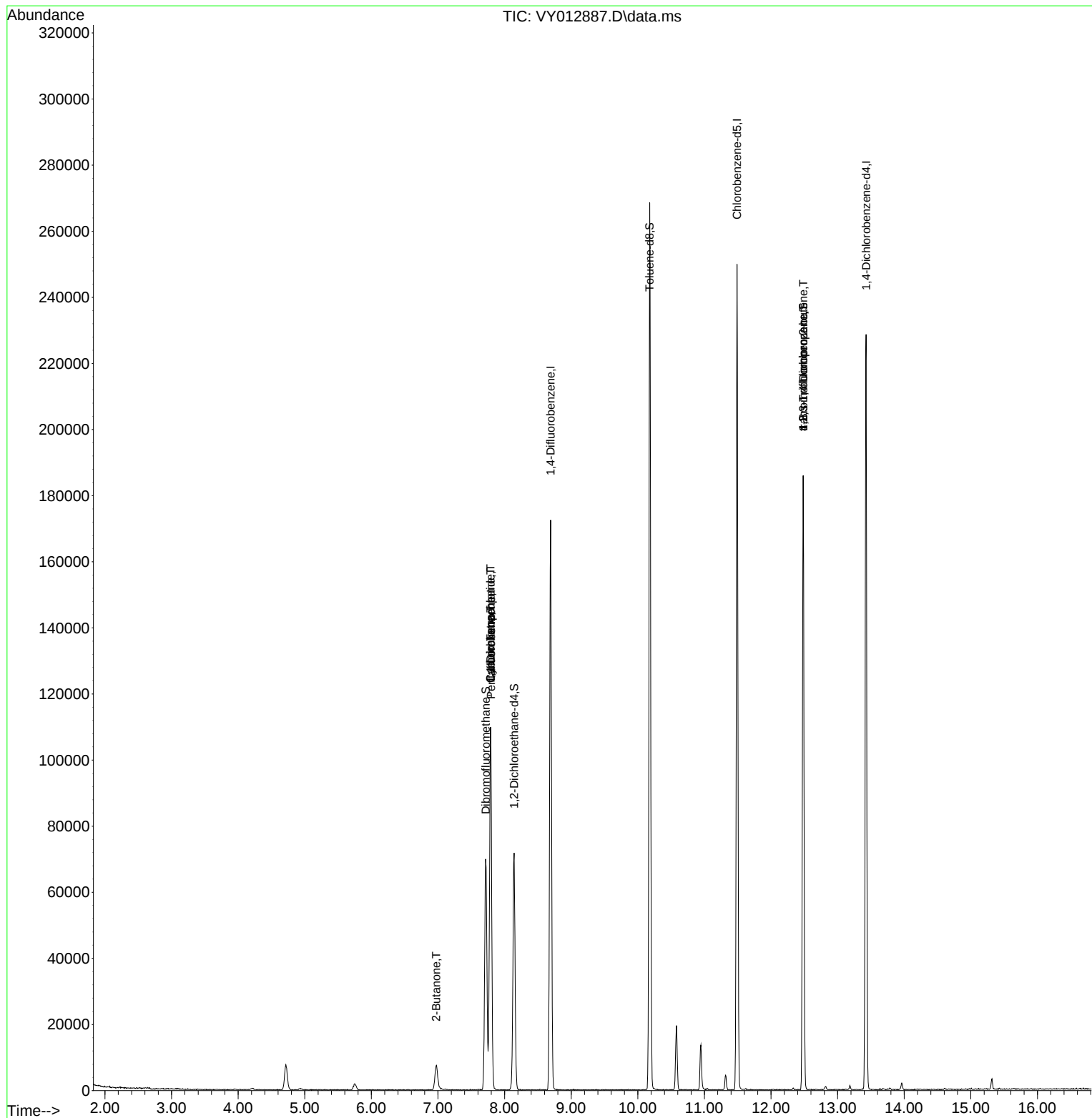
Internal Standards						
1) Pentafluorobenzene	7.795	168	86467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	144232	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	129565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	58874	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	53518	62.339	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.680%	
35) Dibromofluoromethane	7.716	113	48614	55.850	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.700%	
50) Toluene-d8	10.179	98	171922	54.027	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.060%	
62) 4-Bromofluorobenzene	12.483	95	52164	48.567	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.140%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.918	59	157	Below Cal	#	74
20) Methylene Chloride	4.716	84	5352	Below Cal		95
25) 2-Butanone	6.972	43	436	1.045	ug/l #	49
31) Cyclohexane	7.789	56	1794	1.091	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	6421	4.402	ug/l #	50
38) Carbon Tetrachloride	7.789	117	8592	5.704	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	27243	38.750	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	27243	80.291	ug/l #	13

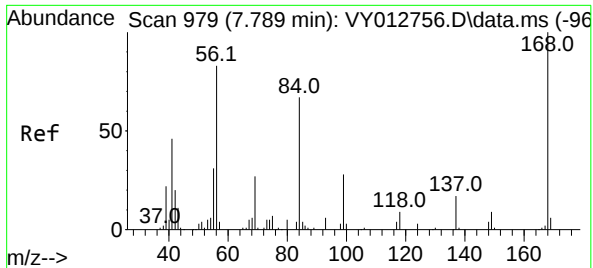
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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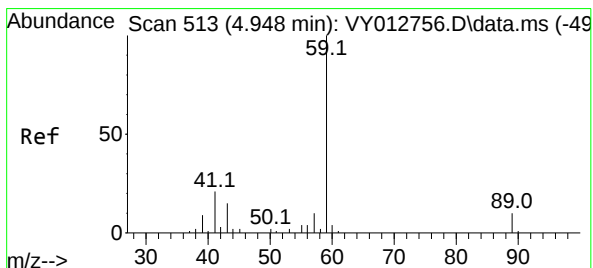
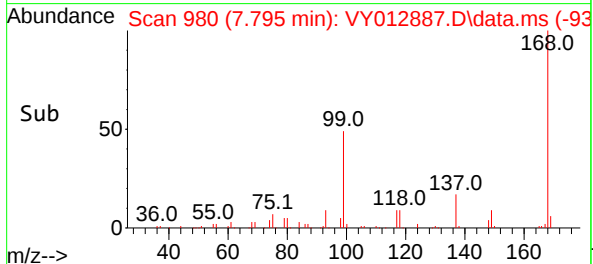
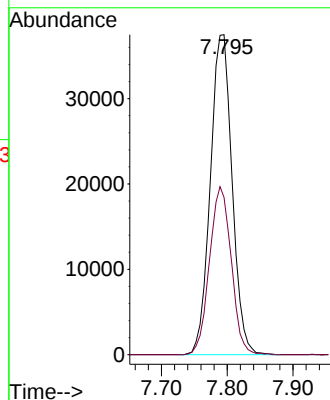
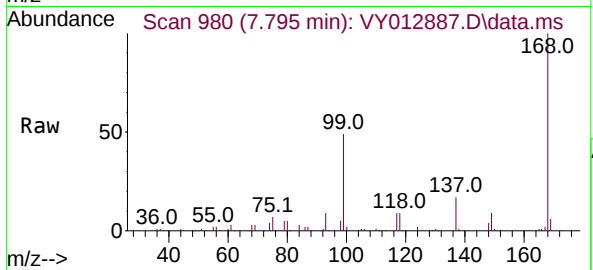




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012887.D
Acq: 09 Mar 2023 10:35

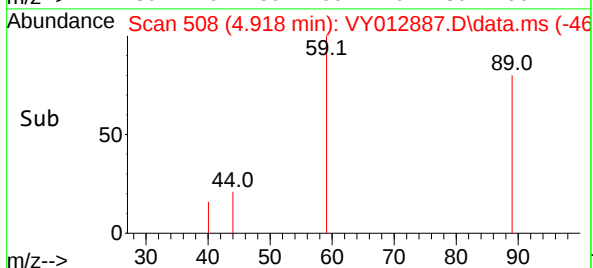
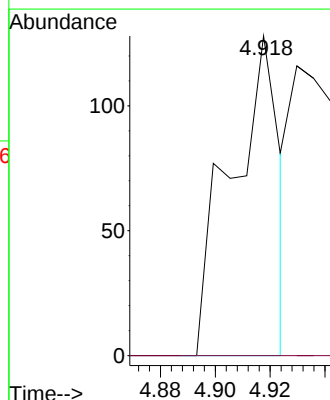
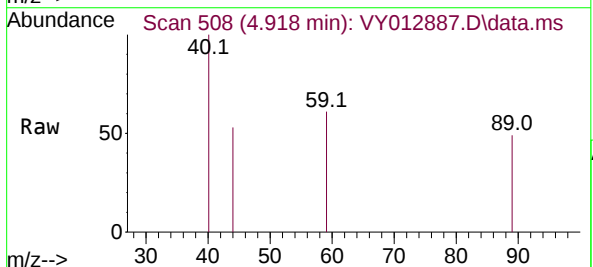
Instrument :
MSVOA_Y
ClientSampleId :
VY0309SBL01

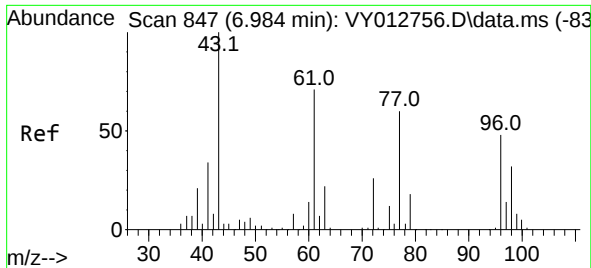
Tgt Ion:168 Resp: 86467
Ion Ratio Lower Upper
168 100
99 49.2 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.030 min
Lab File: VY012887.D
Acq: 09 Mar 2023 10:35

Tgt Ion: 59 Resp: 157
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

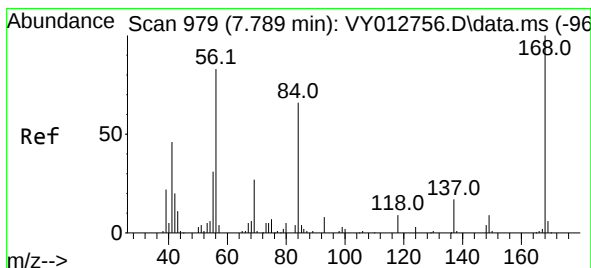
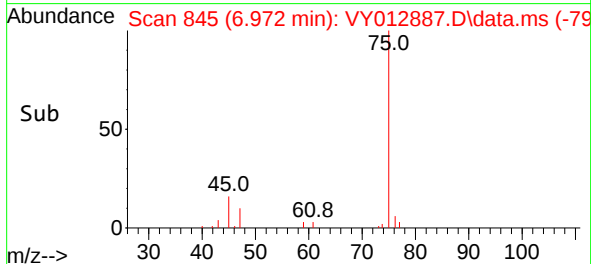
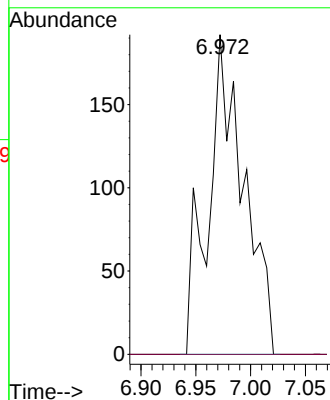
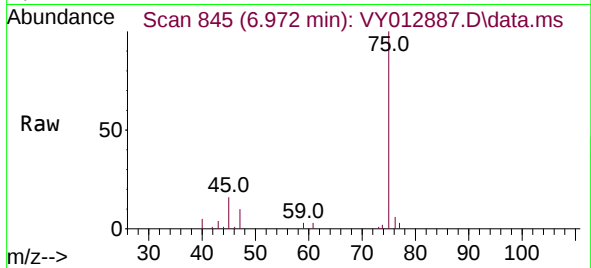




#25
2-Butanone
Concen: 1.045 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY012887.D
Acq: 09 Mar 2023 10:35

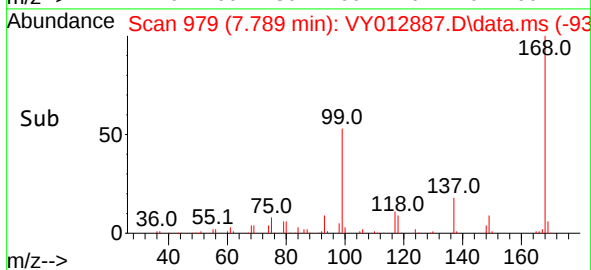
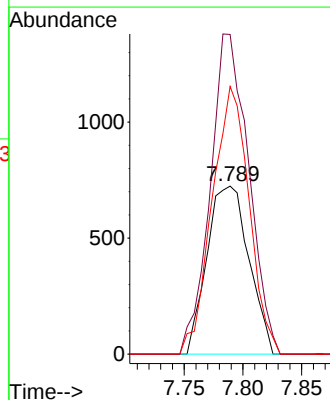
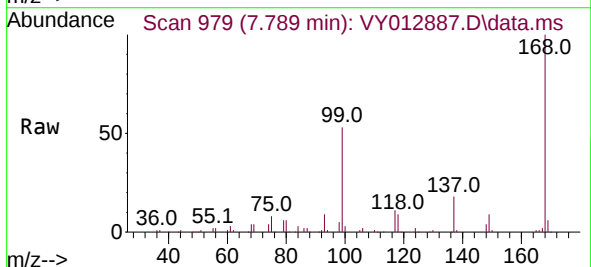
Instrument :
MSVOA_Y
ClientSampleId :
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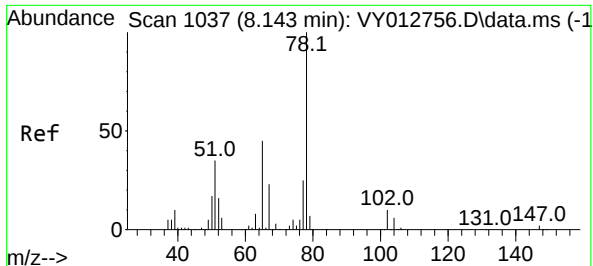
Tgt Ion: 43 Resp: 436
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#



#31
Cyclohexane
Concen: 1.091 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY012887.D
Acq: 09 Mar 2023 10:35

Tgt Ion: 56 Resp: 1794
Ion Ratio Lower Upper
56 100
69 190.3 25.7 38.5#
84 159.4 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 62.339 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VY012887.D

Acq: 09 Mar 2023 10:35

Instrument :

MSVOA_Y

ClientSampleId :

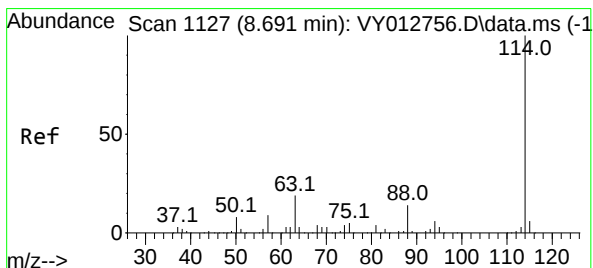
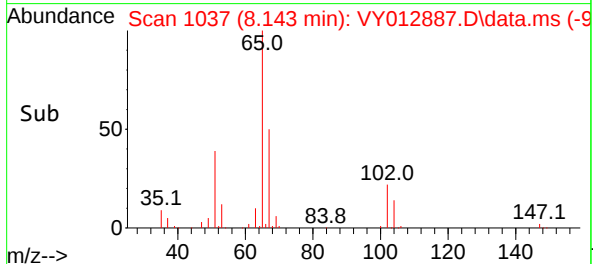
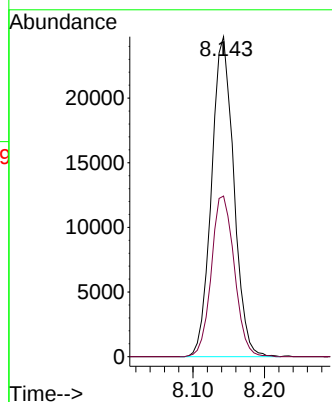
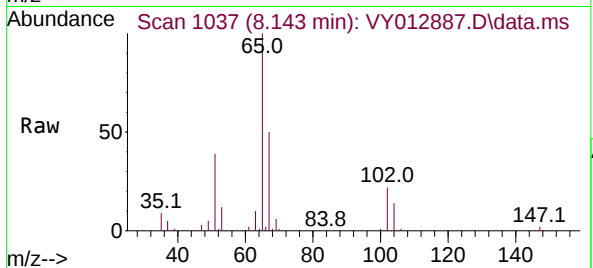
VY0309SBL01

Tgt Ion: 65 Resp: 53518

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012887.D

Acq: 09 Mar 2023 10:35

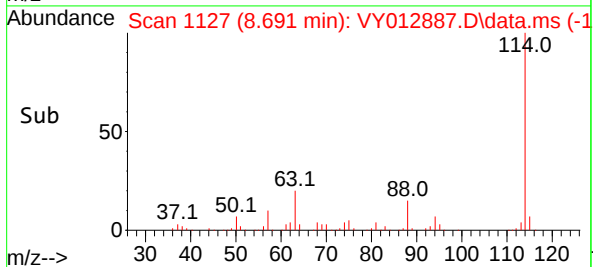
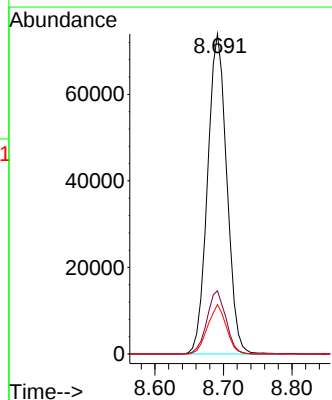
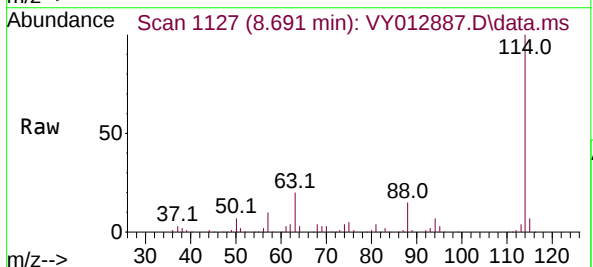
Tgt Ion: 114 Resp: 144232

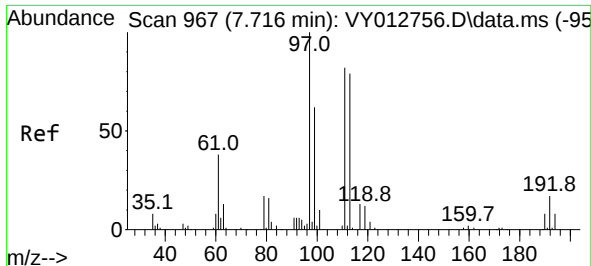
Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.4

88 15.4 0.0 28.6

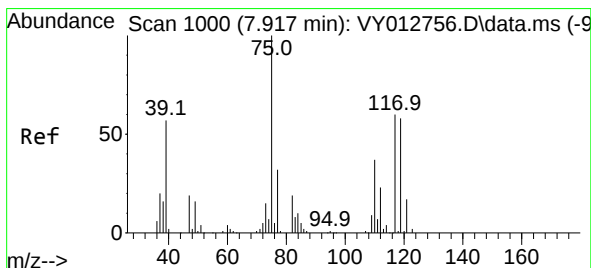
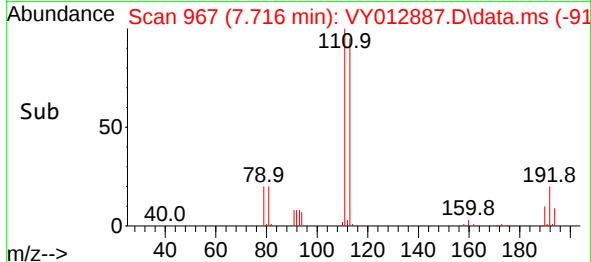
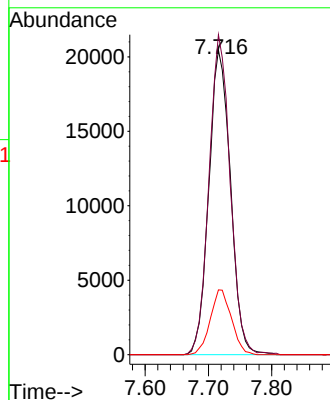
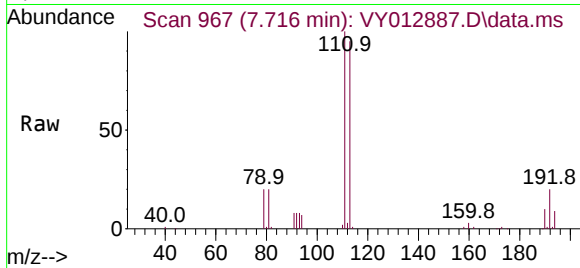




#35
Dibromofluoromethane
Concen: 55.850 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY012887.D
Acq: 09 Mar 2023 10:35

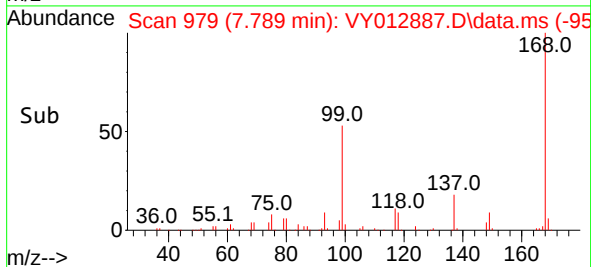
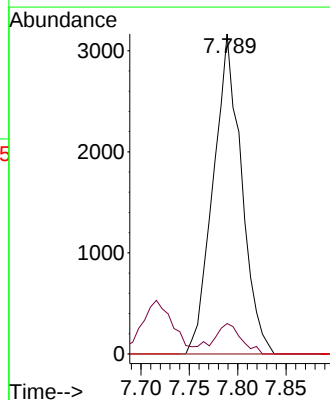
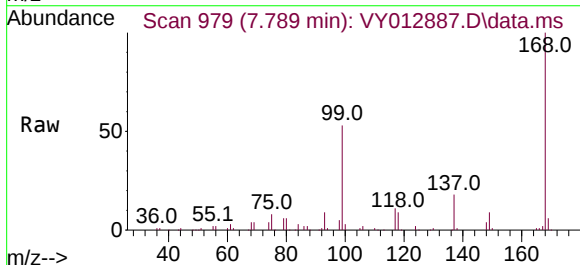
Instrument :
MSVOA_Y
ClientSampleId :
VY0309SBL01

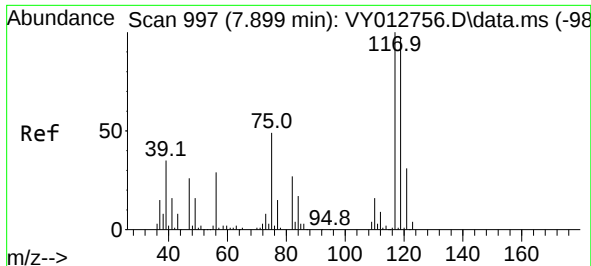
Tgt Ion:113 Resp: 48614
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 20.9 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.402 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012887.D
Acq: 09 Mar 2023 10:35

Tgt Ion: 75 Resp: 6421
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.3#
77 0.0 25.0 37.4#

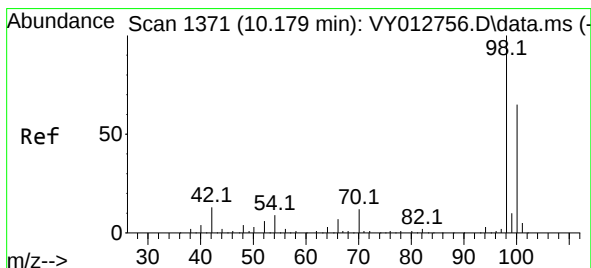
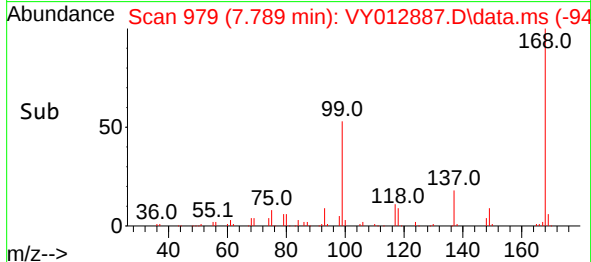
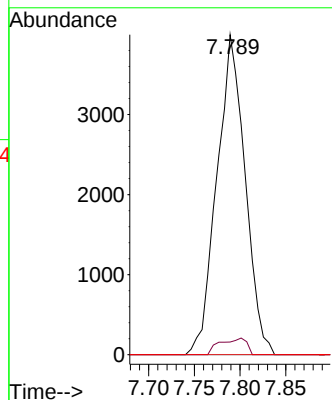
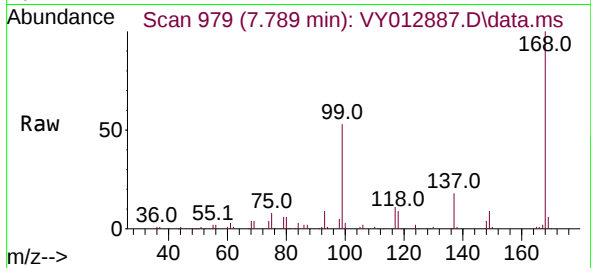




#38
Carbon Tetrachloride
Concen: 5.704 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012887.D
Acq: 09 Mar 2023 10:35

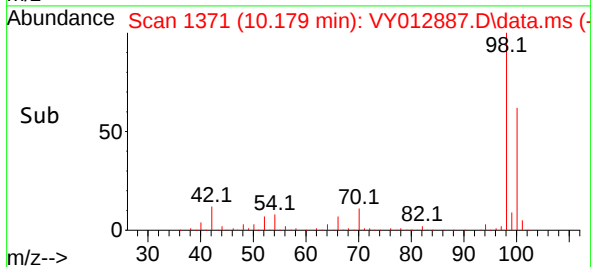
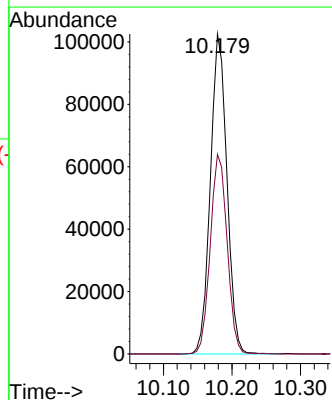
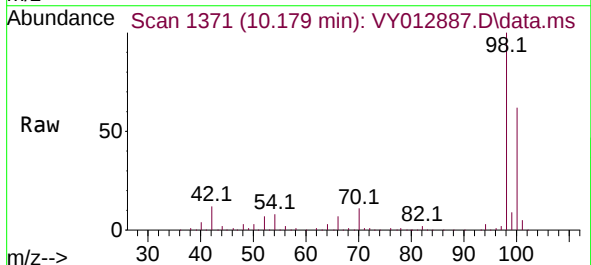
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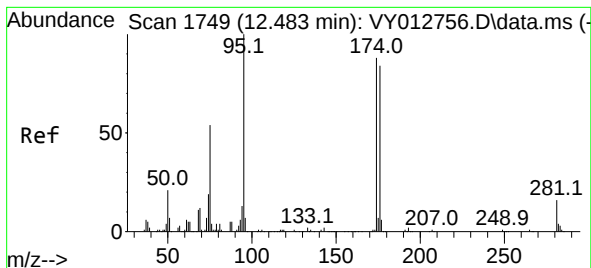
Tgt Ion:117 Resp: 8592
Ion Ratio Lower Upper
117 100
119 3.9 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 54.027 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012887.D
Acq: 09 Mar 2023 10:35

Tgt Ion: 98 Resp: 171922
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3

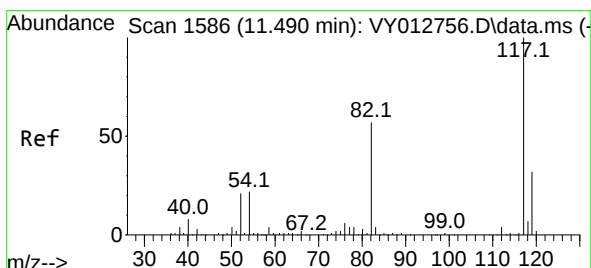
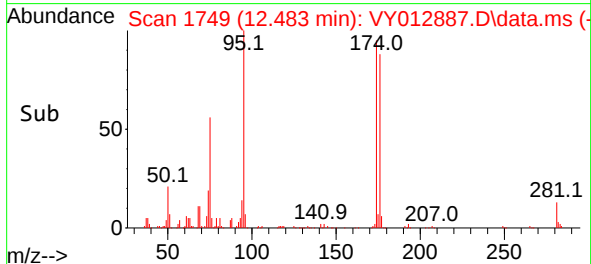
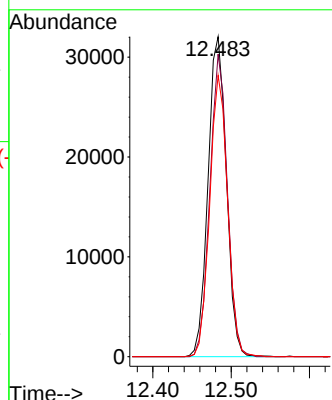
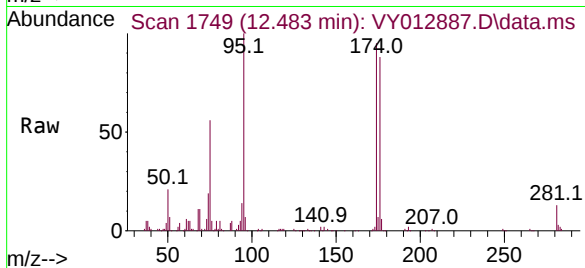




#62
4-Bromofluorobenzene
Concen: 48.567 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012887.D
Acq: 09 Mar 2023 10:35

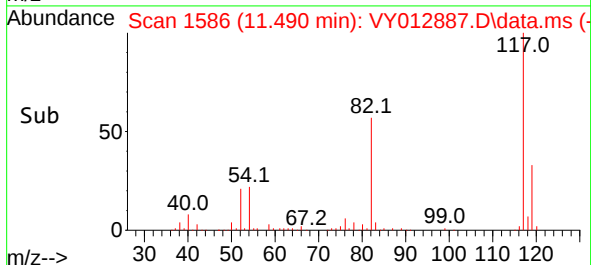
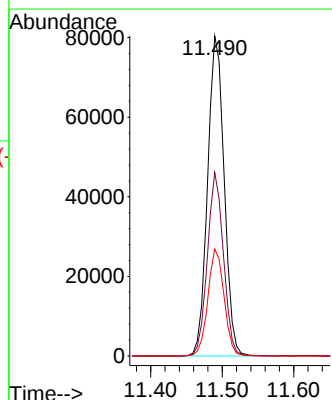
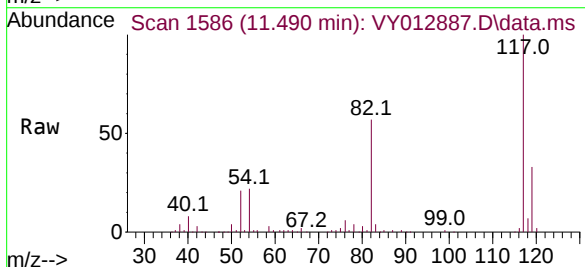
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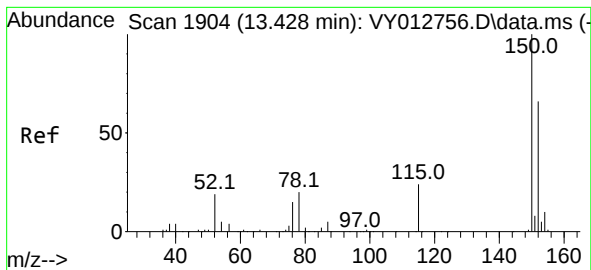
Tgt Ion: 95 Resp: 52164
Ion Ratio Lower Upper
95 100
174 90.2 0.0 176.6
176 85.5 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012887.D
Acq: 09 Mar 2023 10:35

Tgt Ion: 117 Resp: 129565
Ion Ratio Lower Upper
117 100
82 57.4 45.4 68.0
119 33.4 25.6 38.4

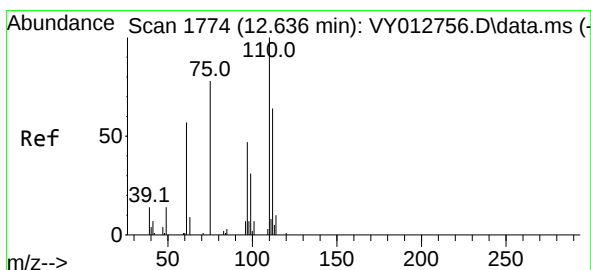
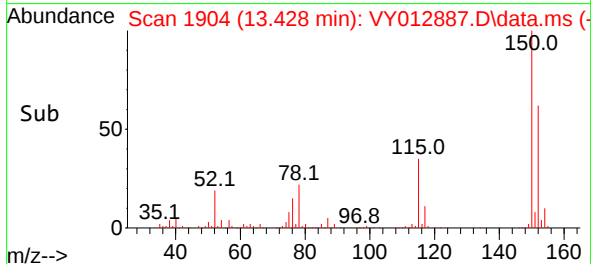
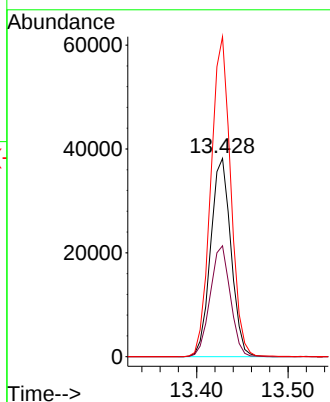
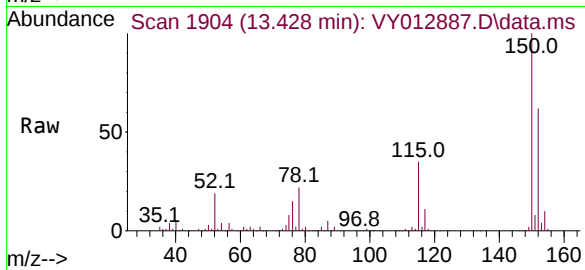




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY012887.D
 Acq: 09 Mar 2023 10:35

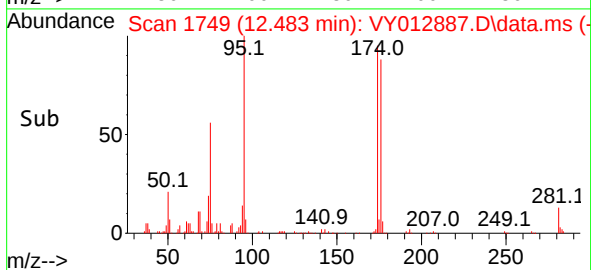
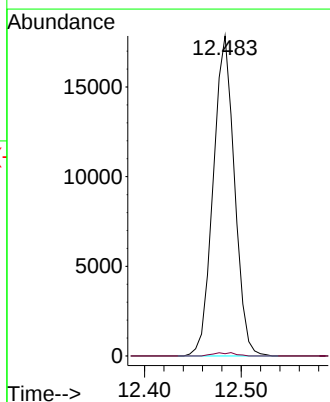
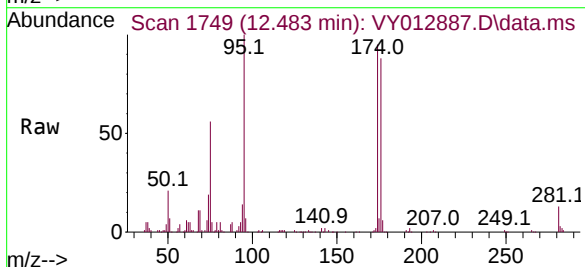
Instrument :
 MSVOA_Y
 ClientSampleId :
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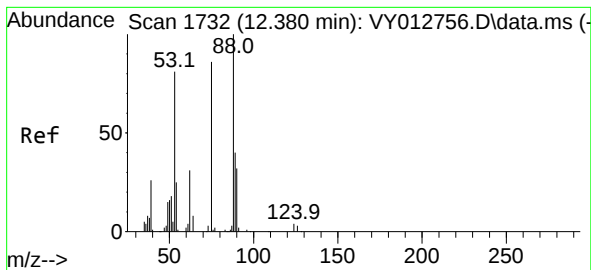
Tgt Ion:152 Resp: 58874
 Ion Ratio Lower Upper
 152 100
 115 55.5 27.1 81.3
 150 158.0 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 38.750 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY012887.D
 Acq: 09 Mar 2023 10:35

Tgt Ion: 75 Resp: 27243
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.291 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012887.D
 Acq: 09 Mar 2023 10:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0309SBL01

Tgt Ion: 75 Resp: 27243
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.1 36.6 55.0#

