

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052422\
 Data File : VY009071.D
 Acq On : 24 May 2022 18:50
 Operator : KP/MD
 Sample : N2981-04
 Misc : 2.56g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-15(4.5-5)

Quant Time: May 25 02:56:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

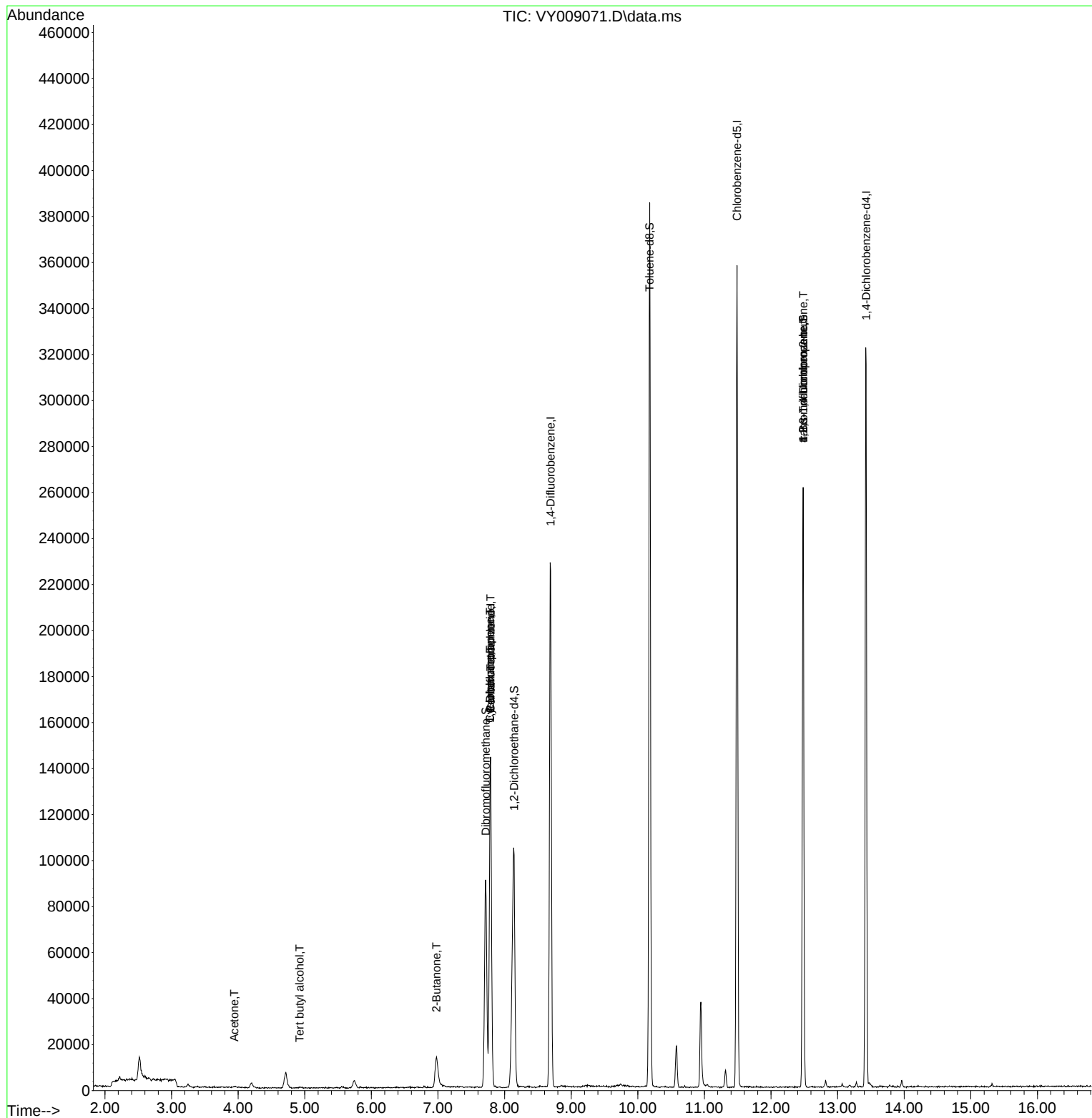
Internal Standards						
1) Pentafluorobenzene	7.789	168	107475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	192968	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	184687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	76844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	65861	59.543	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.080%
35) Dibromofluoromethane	7.716	113	61600	51.335	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.680%
50) Toluene-d8	10.179	98	238078	53.781	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.560%
62) 4-Bromofluorobenzene	12.483	95	67969	38.062	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	76.120%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	402	3.583	ug/l #	77
16) Acetone	3.942	43	817	3.548	ug/l	97
20) Methylene Chloride	4.710	84	4736	Below Cal	#	82
25) 2-Butanone	6.978	43	969	2.356	ug/l #	84
31) Cyclohexane	7.783	56	2618	1.210	ug/l #	26
36) 1,1-Dichloropropene	7.783	75	9458	4.632	ug/l #	50
38) Carbon Tetrachloride	7.789	117	11149	5.219	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	39206	47.510	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	39206	97.515	ug/l #	7

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

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SB-15(4.5-5)

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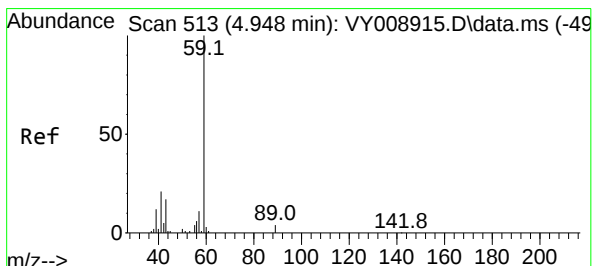
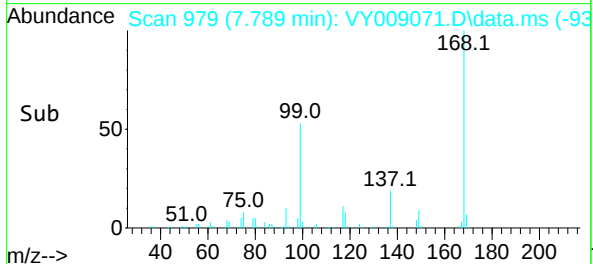
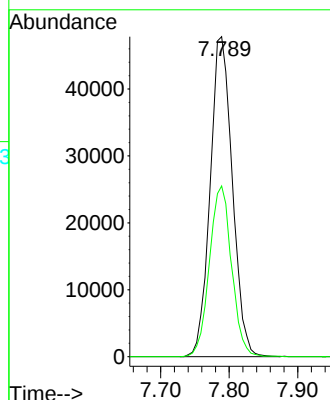
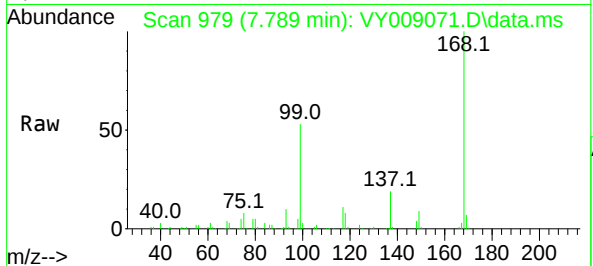




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY009071.D
Acq: 24 May 2022 18:50

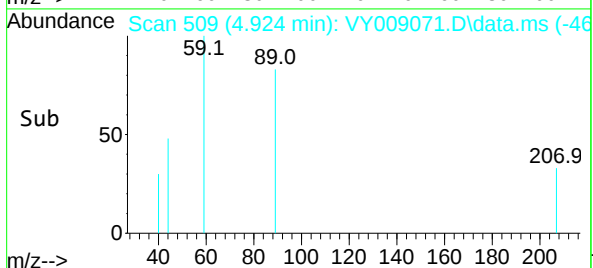
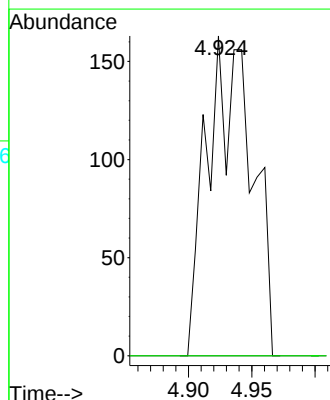
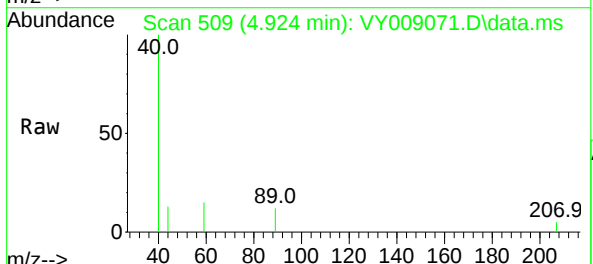
Instrument :
MSVOA_Y
ClientSampleId :
SB-15(4.5-5)

Tgt Ion:168 Resp: 107475
Ion Ratio Lower Upper
168 100
99 53.3 46.9 70.3



#11
Tert butyl alcohol
Concen: 3.583 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY009071.D
Acq: 24 May 2022 18:50

Tgt Ion: 59 Resp: 402
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

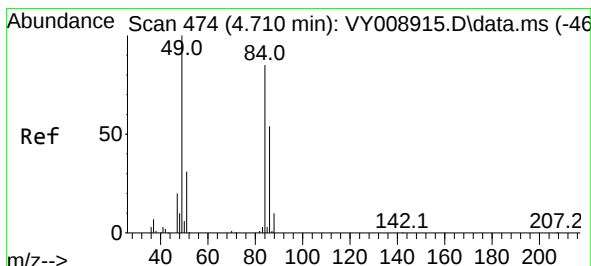
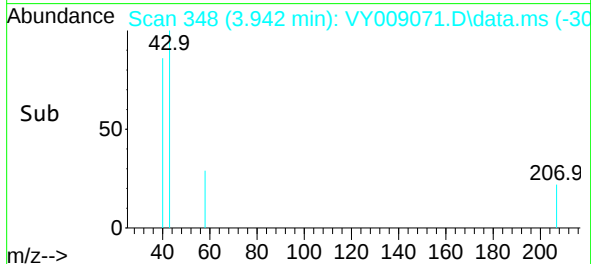
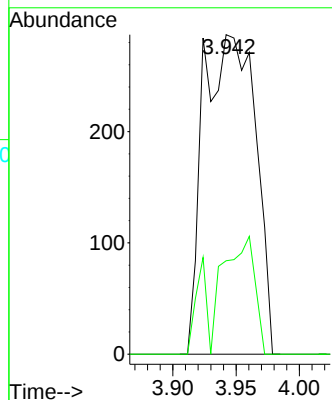
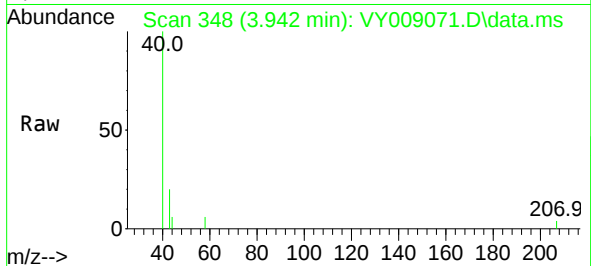




#16
Acetone
Concen: 3.548 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY009071.D
Acq: 24 May 2022 18:50

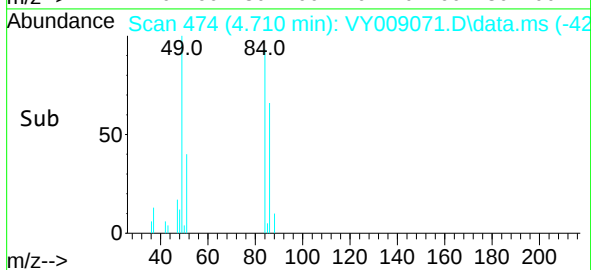
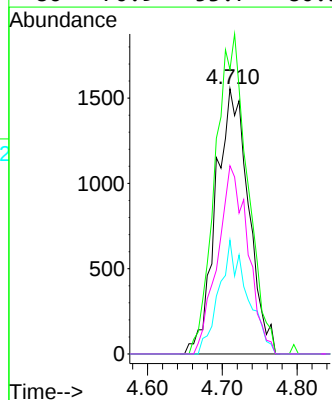
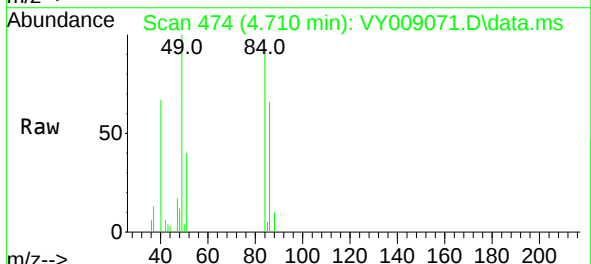
Instrument :
MSVOA_Y
ClientSampleId :
SB-15(4.5-5)

Tgt Ion: 43 Resp: 817
Ion Ratio Lower Upper
43 100
58 29.3 22.0 33.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY009071.D
Acq: 24 May 2022 18:50

Tgt Ion: 84 Resp: 4736
Ion Ratio Lower Upper
84 100
49 107.3 114.4 171.6#
51 42.9 35.3 52.9
86 70.9 53.7 80.5

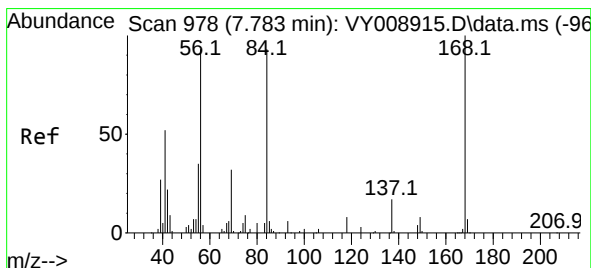
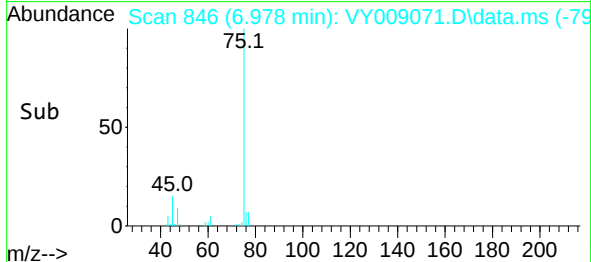
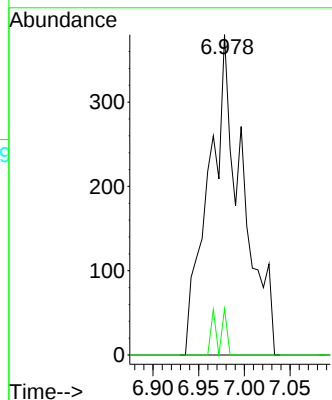
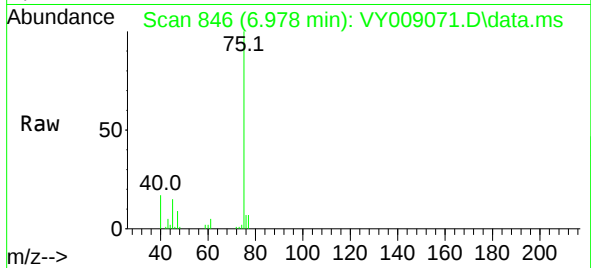




#25
2-Butanone
Concen: 2.356 ug/l
RT: 6.978 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY009071.D
Acq: 24 May 2022 18:50

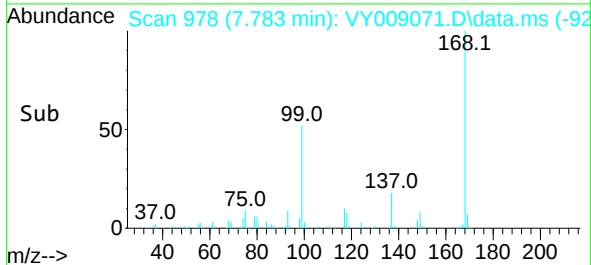
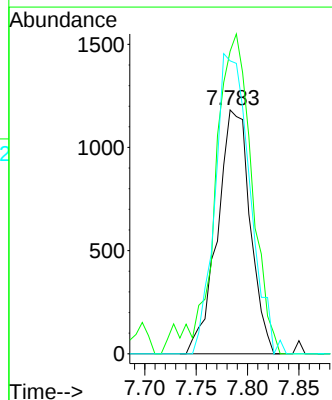
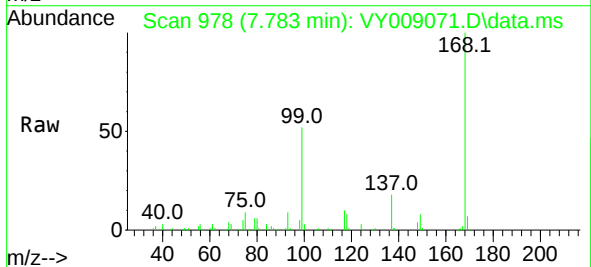
Instrument :
MSVOA_Y
ClientSampleId :
SB-15(4.5-5)

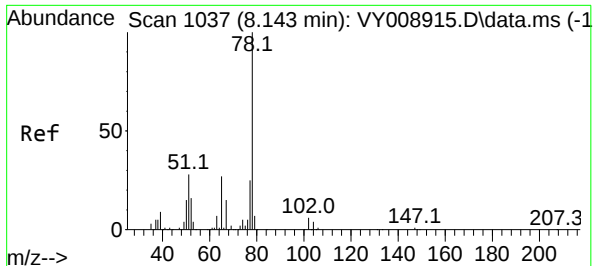
Tgt Ion: 43 Resp: 969
Ion Ratio Lower Upper
43 100
72 14.5 17.7 26.5#



#31
Cyclohexane
Concen: 1.210 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY009071.D
Acq: 24 May 2022 18:50

Tgt Ion: 56 Resp: 2618
Ion Ratio Lower Upper
56 100
69 124.0 26.7 40.1#
84 120.1 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 59.543 ug/l

RT: 8.143 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY009071.D

Acq: 24 May 2022 18:50

Instrument :

MSVOA_Y

ClientSampleId :

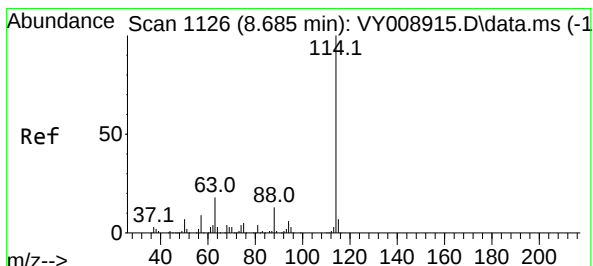
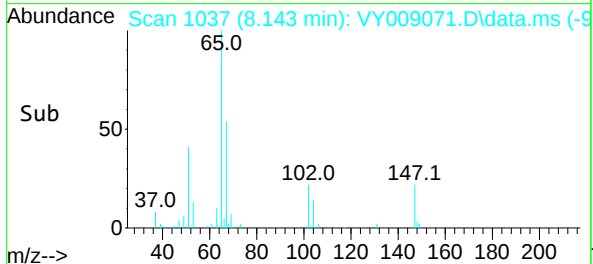
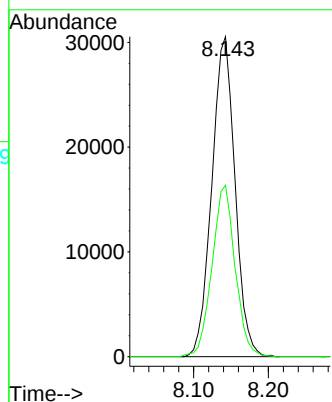
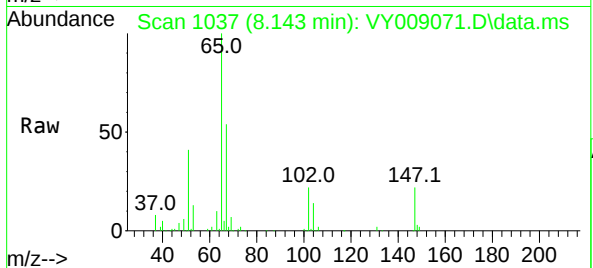
SB-15(4.5-5)

Tgt Ion: 65 Resp: 65861

Ion Ratio Lower Upper

65 100

67 53.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY009071.D

Acq: 24 May 2022 18:50

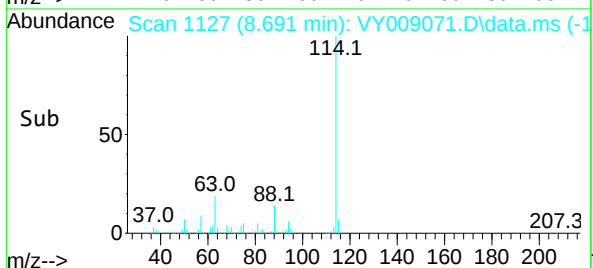
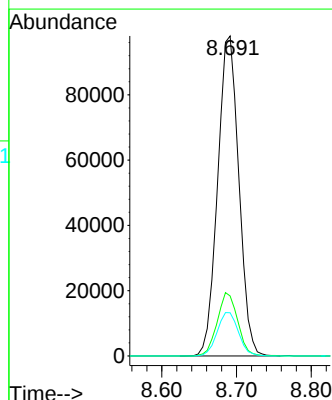
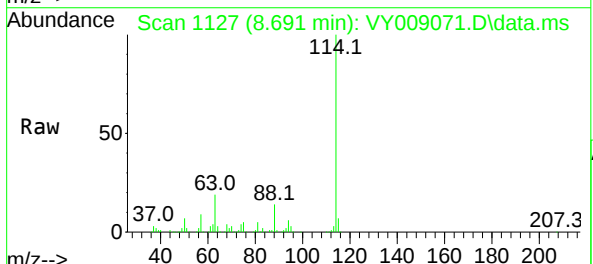
Tgt Ion:114 Resp: 192968

Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 13.5 0.0 31.8

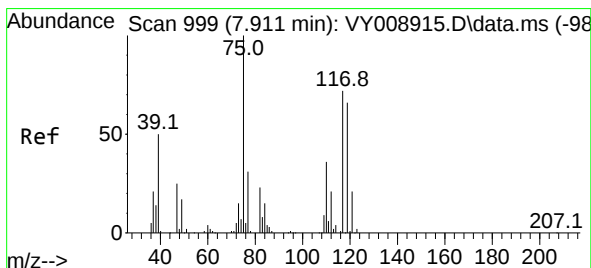
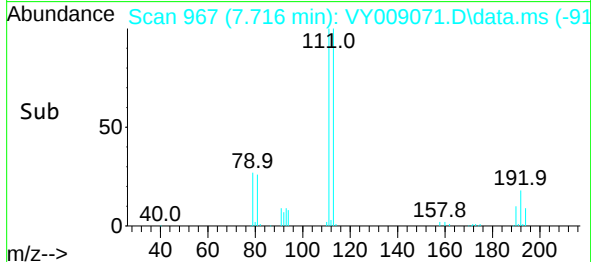
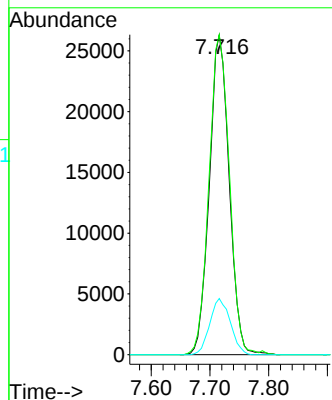
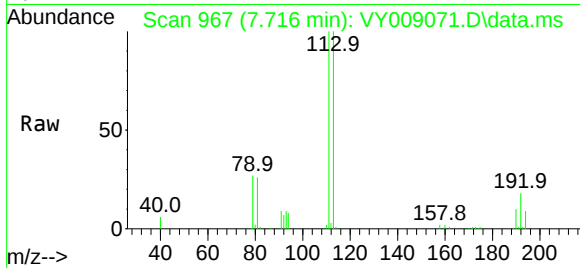




#35
Dibromofluoromethane
Concen: 51.335 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009071.D
Acq: 24 May 2022 18:50

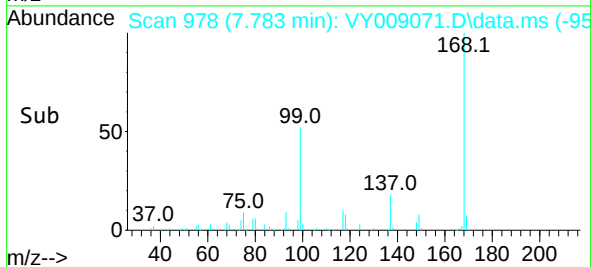
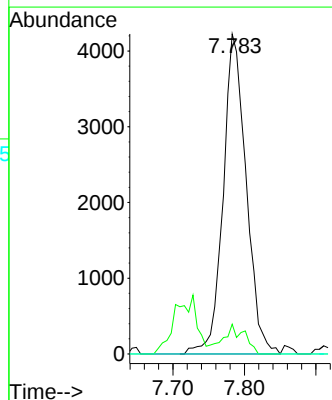
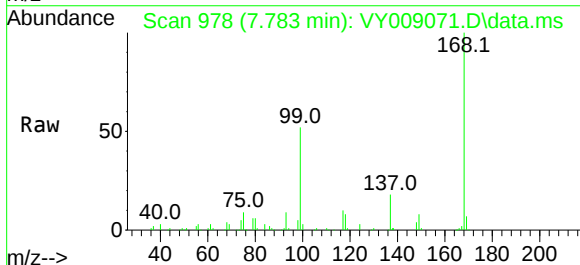
Instrument :
MSVOA_Y
ClientSampleId :
SB-15(4.5-5)

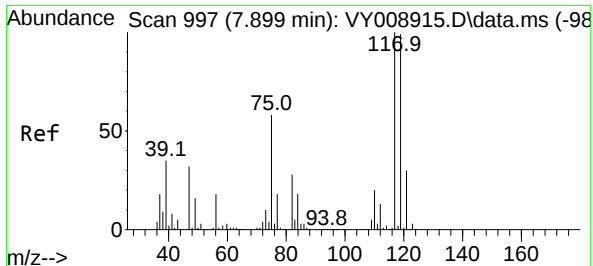
Tgt Ion:113 Resp: 61600
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 18.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.632 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009071.D
Acq: 24 May 2022 18:50

Tgt Ion: 75 Resp: 9458
Ion Ratio Lower Upper
75 100
110 8.3 17.1 51.2#
77 0.0 24.4 36.6#

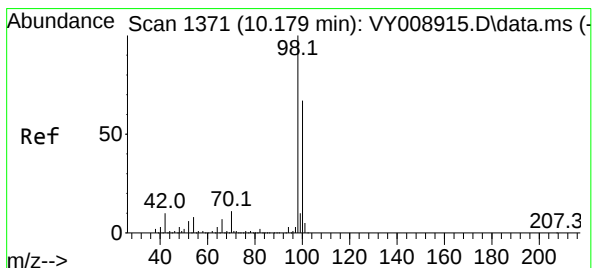
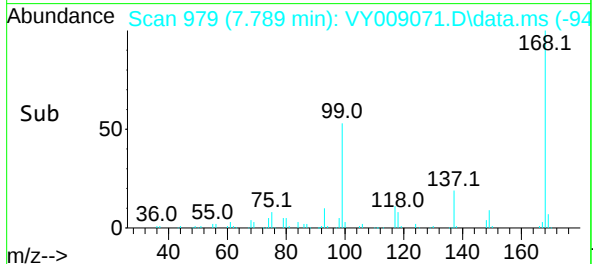
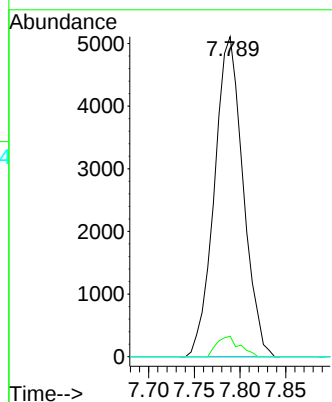
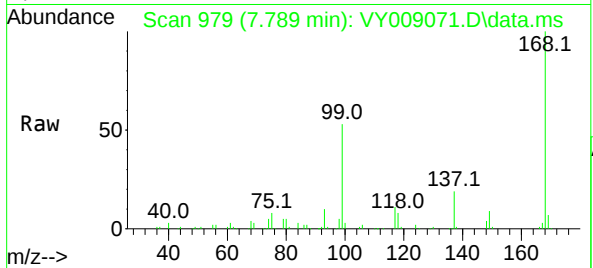




#38
Carbon Tetrachloride
Concen: 5.219 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY009071.D
Acq: 24 May 2022 18:50

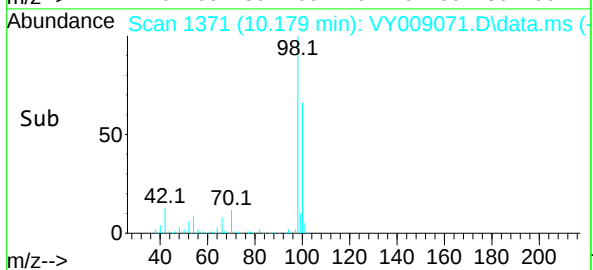
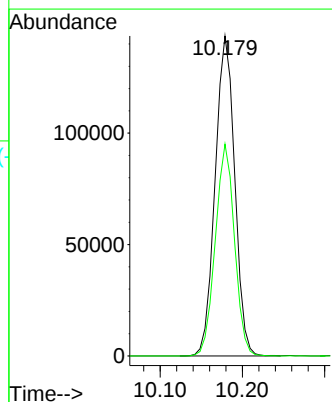
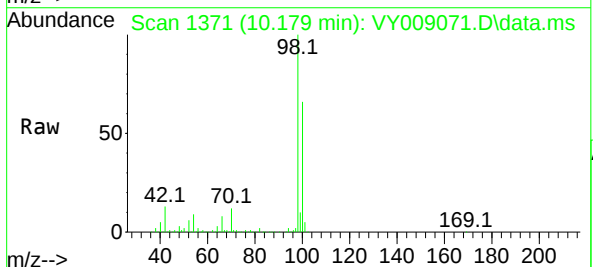
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SB-15(4.5-5)

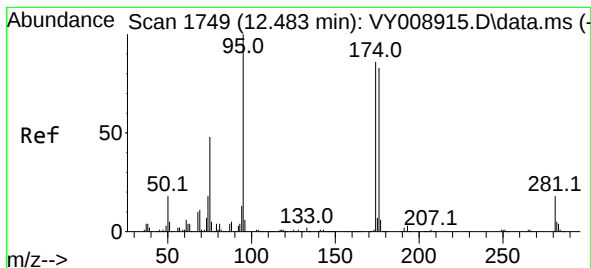
Tgt Ion:117 Resp: 11149
Ion Ratio Lower Upper
117 100
119 6.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.781 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009071.D
Acq: 24 May 2022 18:50

Tgt Ion: 98 Resp: 238078
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2

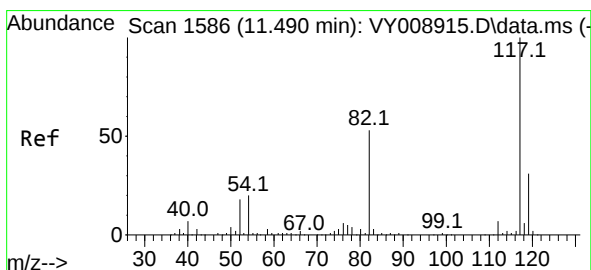
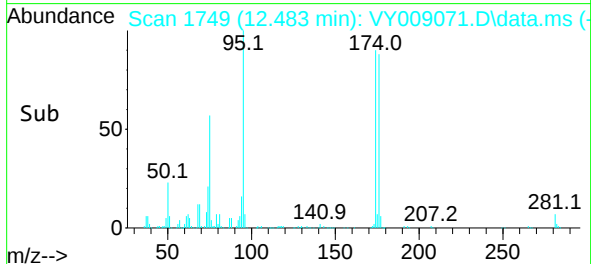
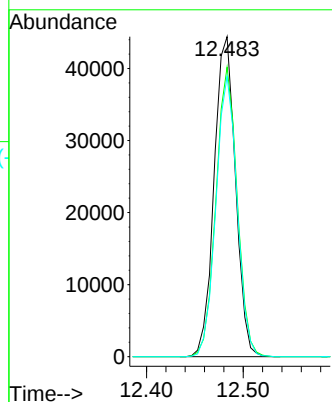
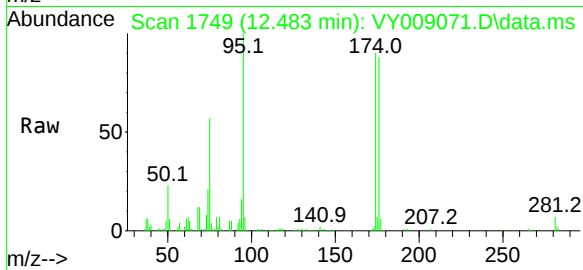




#62
4-Bromofluorobenzene
Concen: 38.062 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY009071.D
Acq: 24 May 2022 18:50

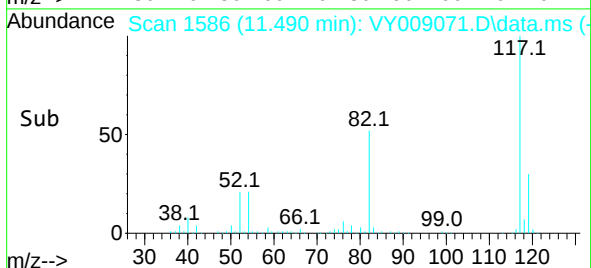
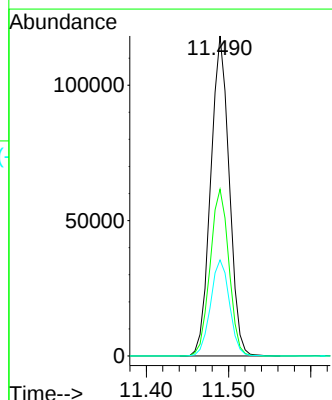
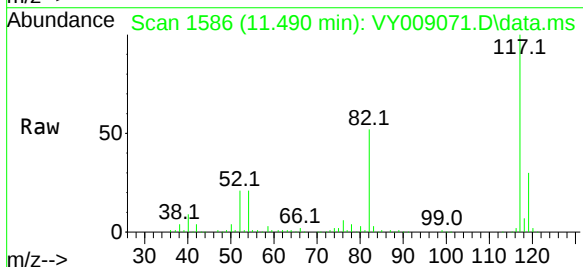
Instrument :
MSVOA_Y
ClientSampleId :
SB-15(4.5-5)

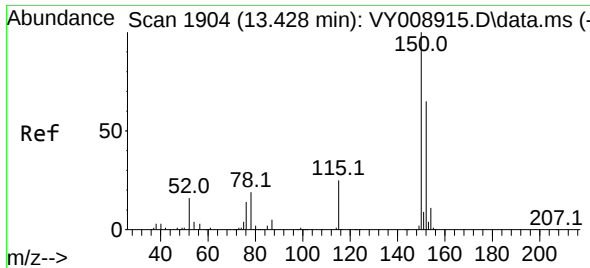
Tgt Ion: 95 Resp: 67969
Ion Ratio Lower Upper
95 100
174 90.0 0.0 177.0
176 86.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY009071.D
Acq: 24 May 2022 18:50

Tgt Ion: 117 Resp: 184687
Ion Ratio Lower Upper
117 100
82 52.1 43.0 64.4
119 30.0 25.4 38.0

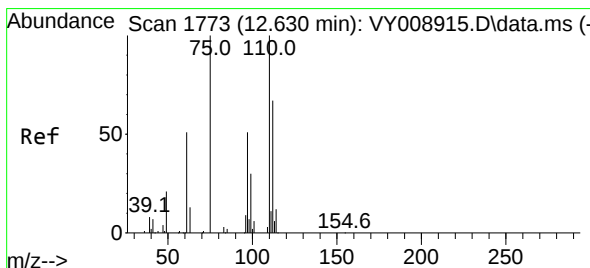
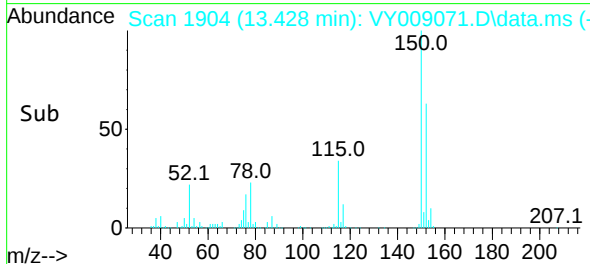
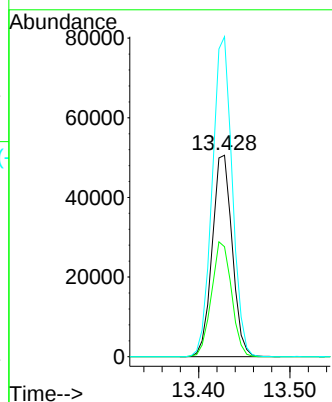
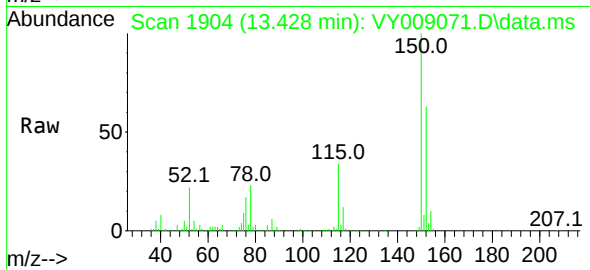




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY009071.D
 Acq: 24 May 2022 18:50

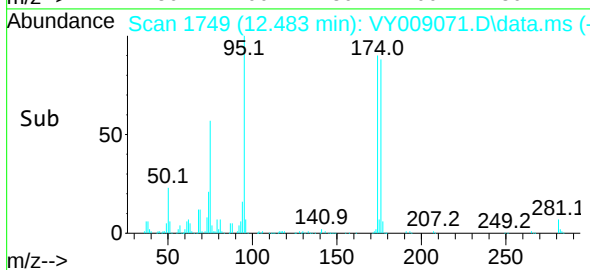
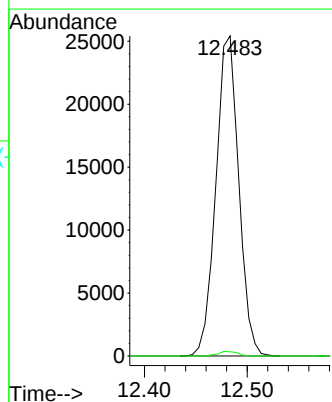
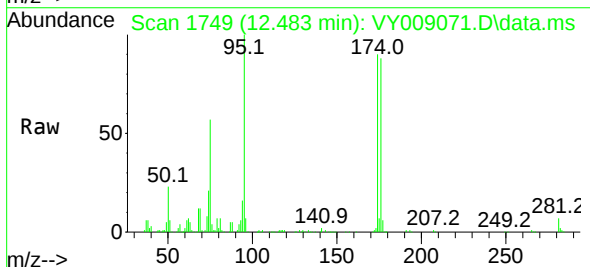
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-15(4.5-5)

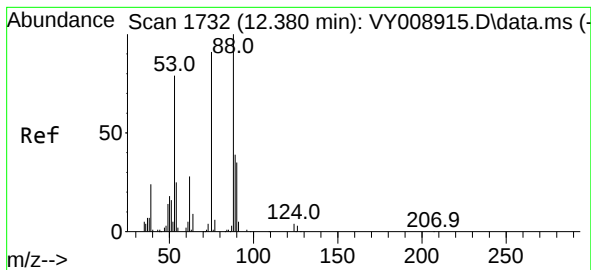
Tgt Ion:152 Resp: 76844
 Ion Ratio Lower Upper
 152 100
 115 57.0 28.2 84.7
 150 158.6 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 47.510 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY009071.D
 Acq: 24 May 2022 18:50

Tgt Ion: 75 Resp: 39206
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.515 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY009071.D
 Acq: 24 May 2022 18:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-15(4.5-5)

Tgt Ion: 75 Resp: 39206
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

