

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
 Data File : VY017978.D
 Acq On : 18 Apr 2024 16:02
 Operator : SY/MD
 Sample : P2147-13
 Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GRAB-9

Quant Time: Apr 19 02:02:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:24:42 2024
 Response via : Initial Calibration

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

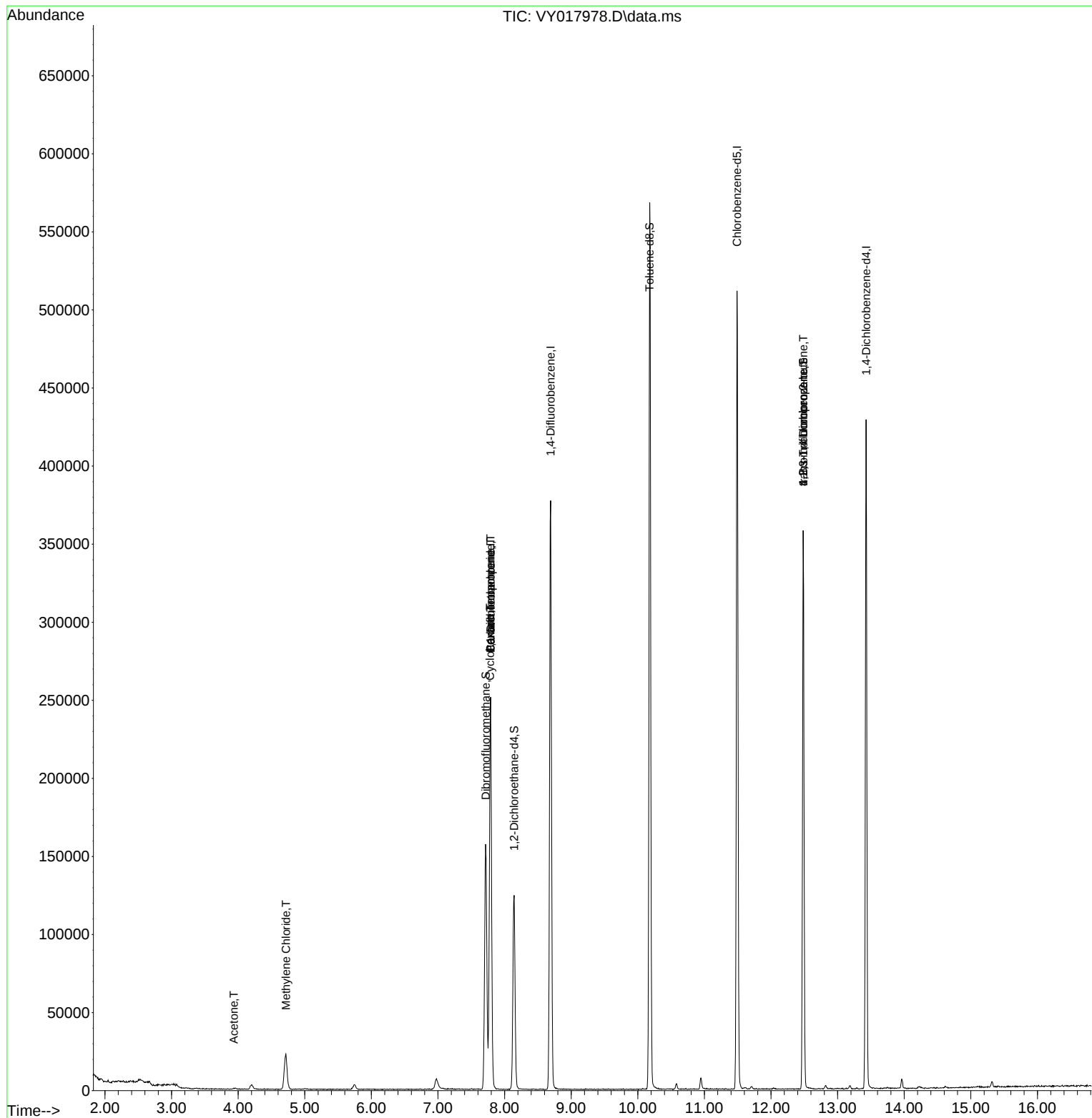
Internal Standards						
1) Pentafluorobenzene	7.789	168	211863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	349933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	311299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	119017	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	96021	52.37	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.74%			
35) Dibromofluoromethane	7.716	113	113843	52.73	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.46%			
50) Toluene-d8	10.179	98	397384	48.51	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.02%			
62) 4-Bromofluorobenzene	12.483	95	107018	42.18	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.36%			
Target Compounds						
11) Tert butyl alcohol	4.948	59	110	Below Cal	#	88
16) Acetone	3.936	43	485	1.34	ug/l	91
20) Methylene Chloride	4.716	84	18668	7.61	ug/l	96
31) Cyclohexane	7.783	56	3519	1.00	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	14478	4.61	ug/l #	49
38) Carbon Tetrachloride	7.789	117	18466	5.82	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	50813	45.50	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	50813	93.81	ug/l #	16

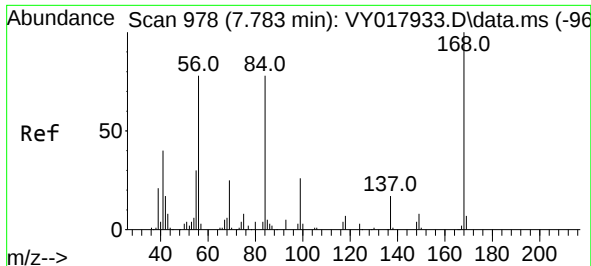
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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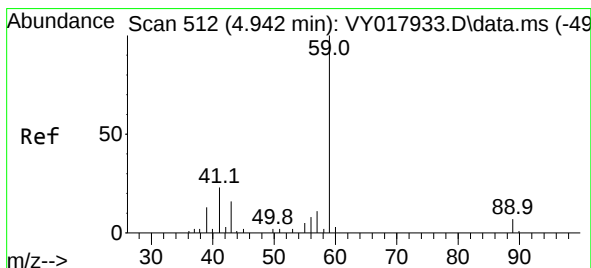
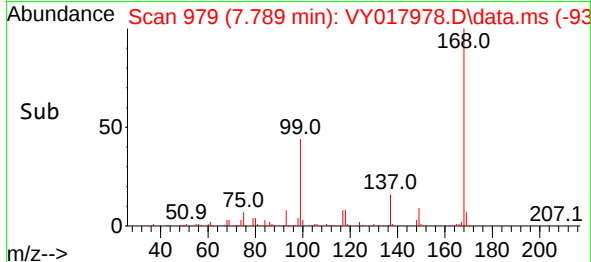
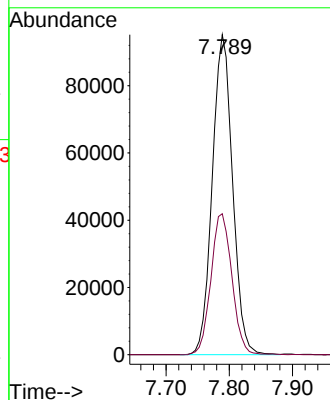
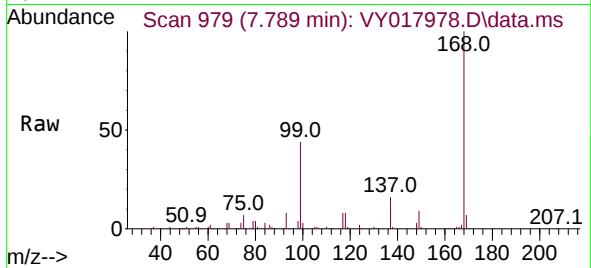




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY017978.D
Acq: 18 Apr 2024 16:02

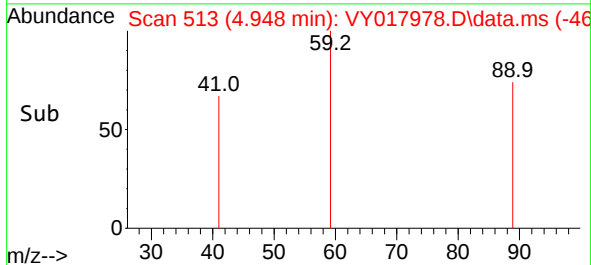
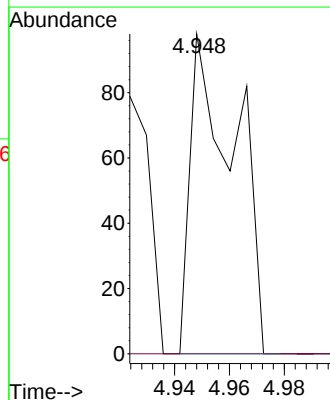
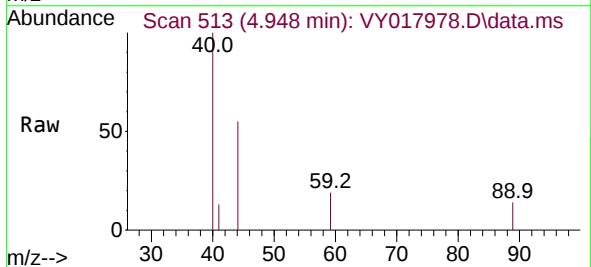
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-9

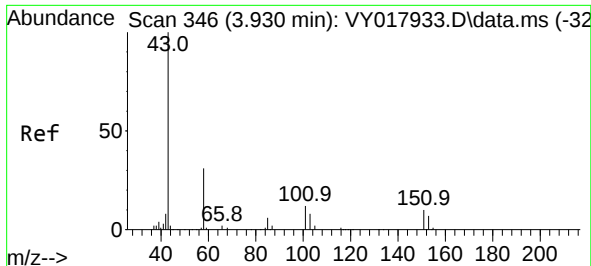
Tgt Ion:168 Resp: 211863
Ion Ratio Lower Upper
168 100
99 44.0 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY017978.D
Acq: 18 Apr 2024 16:02

Tgt Ion: 59 Resp: 110
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

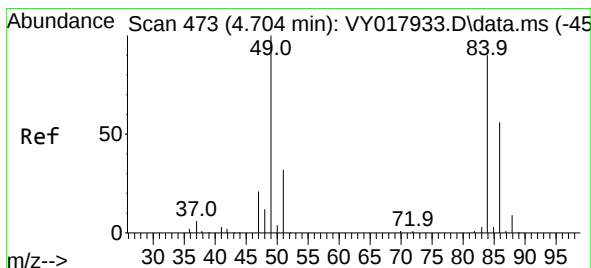
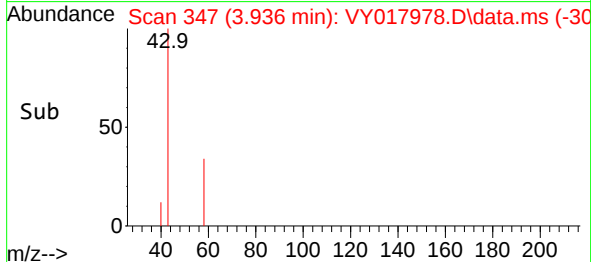
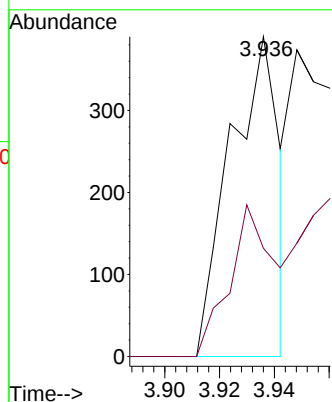
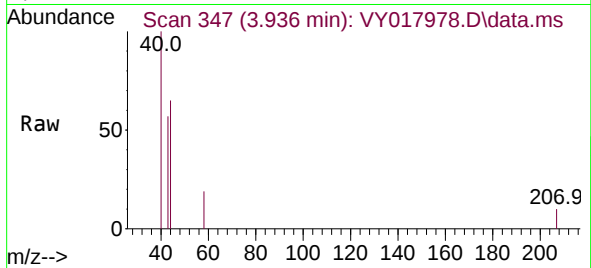




#16
Acetone
Concen: 1.34 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY017978.D
Acq: 18 Apr 2024 16:02

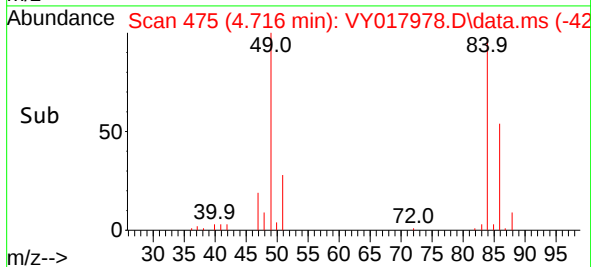
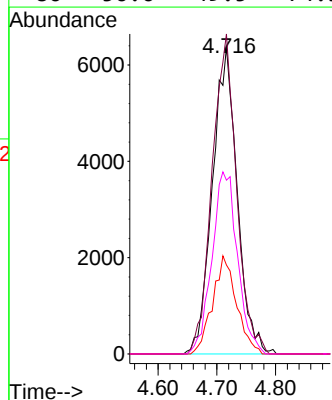
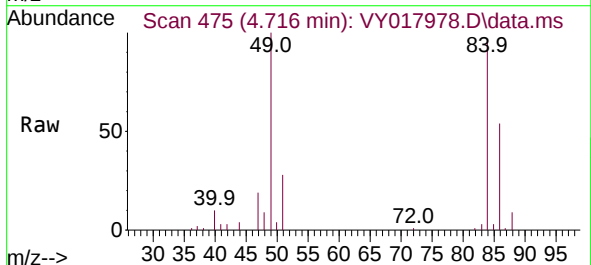
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-9

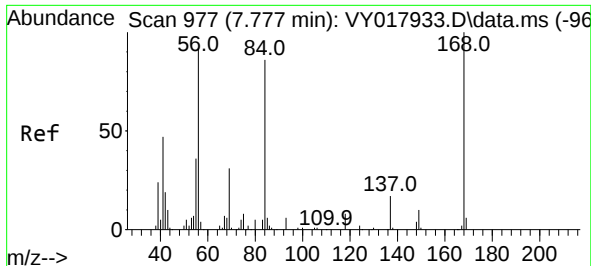
Tgt Ion: 43 Resp: 485
Ion Ratio Lower Upper
43 100
58 33.8 31.7 47.5



#20
Methylene Chloride
Concen: 7.61 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY017978.D
Acq: 18 Apr 2024 16:02

Tgt Ion: 84 Resp: 18668
Ion Ratio Lower Upper
84 100
49 104.3 84.4 126.6
51 29.0 26.0 39.0
86 56.6 49.5 74.3

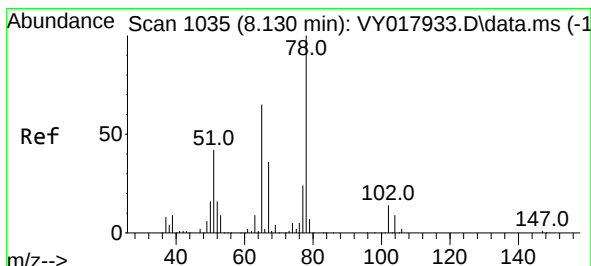
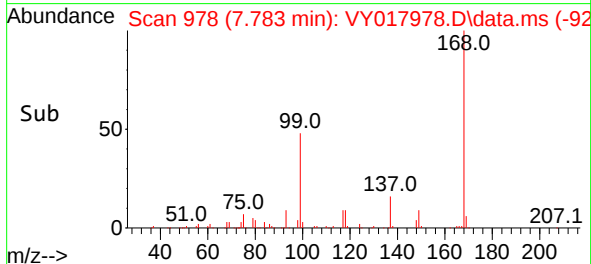
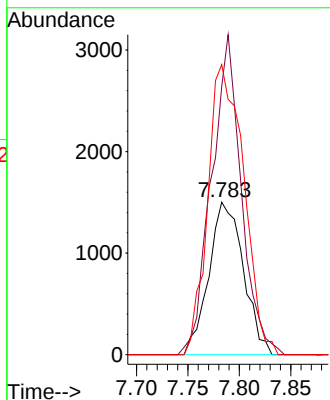
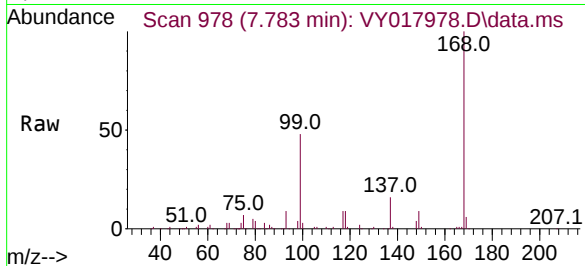




#31
Cyclohexane
Concen: 1.00 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017978.D
Acq: 18 Apr 2024 16:02

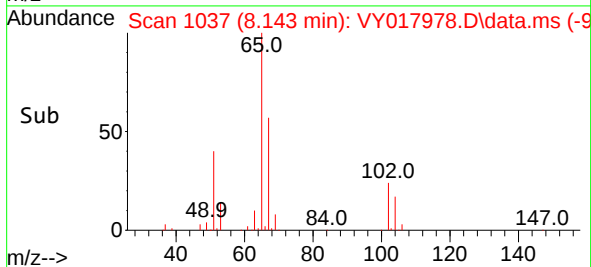
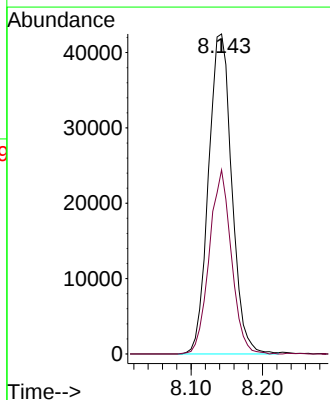
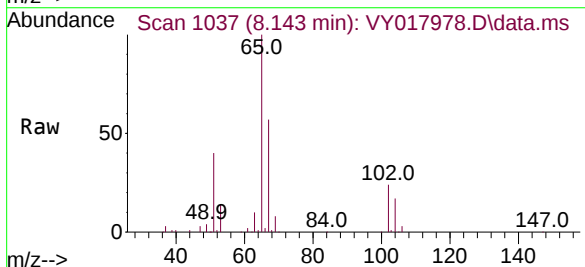
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-9

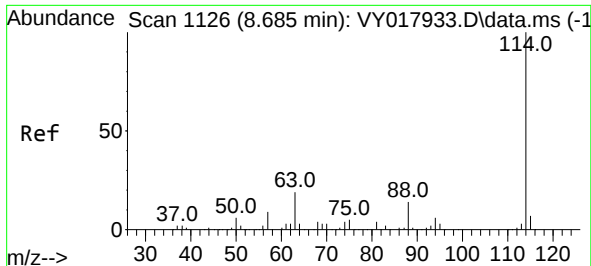
Tgt Ion: 56 Resp: 3519
Ion Ratio Lower Upper
56 100
69 175.9 28.7 43.1#
84 197.5 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 52.37 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY017978.D
Acq: 18 Apr 2024 16:02

Tgt Ion: 65 Resp: 96021
Ion Ratio Lower Upper
65 100
67 54.4 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY017978.D

Acq: 18 Apr 2024 16:02

Instrument :

MSVOA_Y

ClientSampleId :

GRAB-9

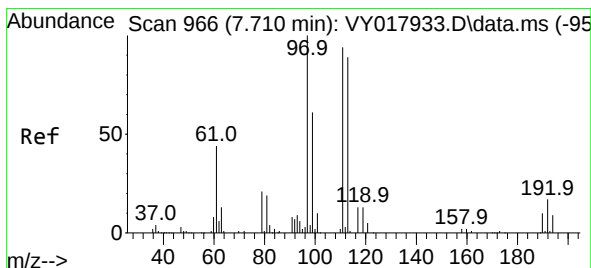
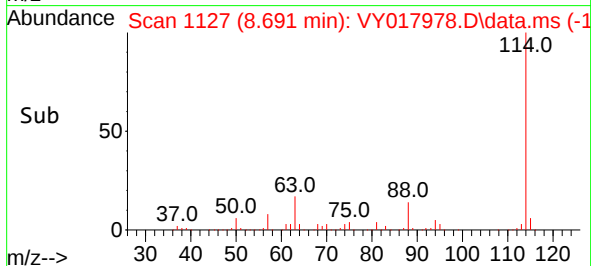
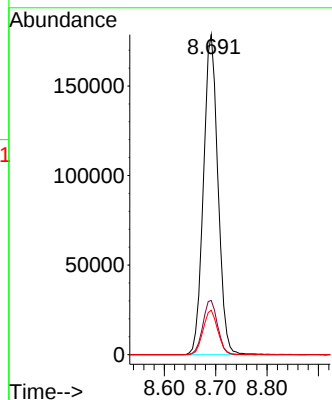
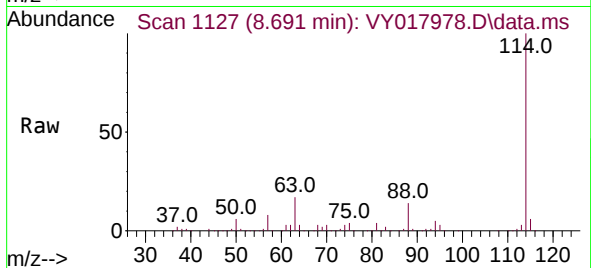
Tgt Ion:114 Resp: 349933

Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.0

88 13.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 52.73 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY017978.D

Acq: 18 Apr 2024 16:02

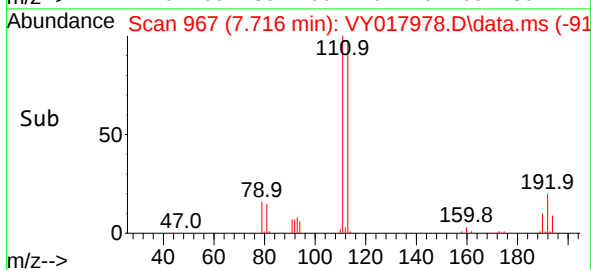
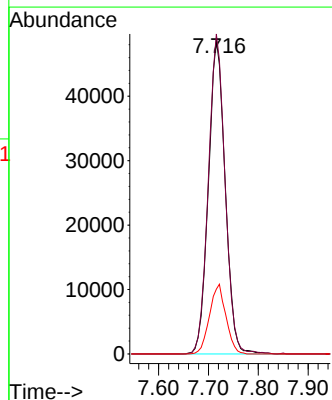
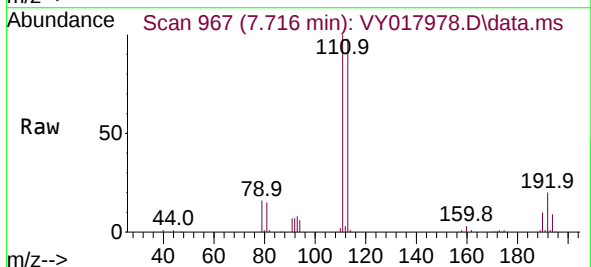
Tgt Ion:113 Resp: 113843

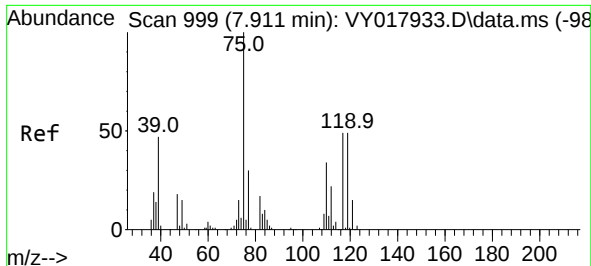
Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

192 21.7 15.9 23.9

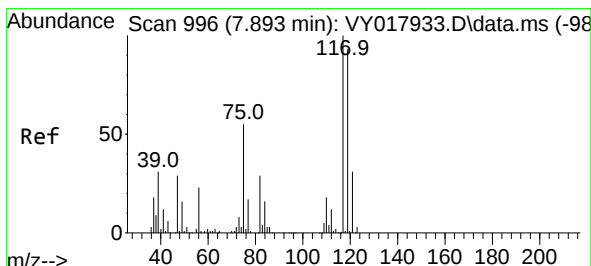
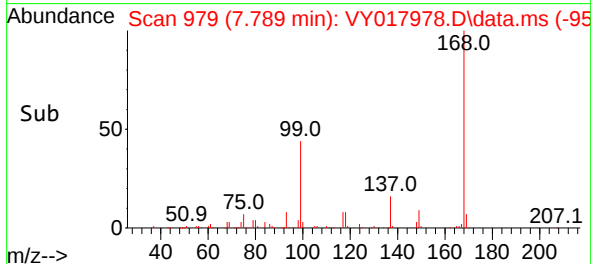
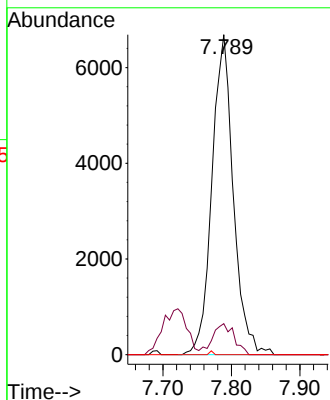
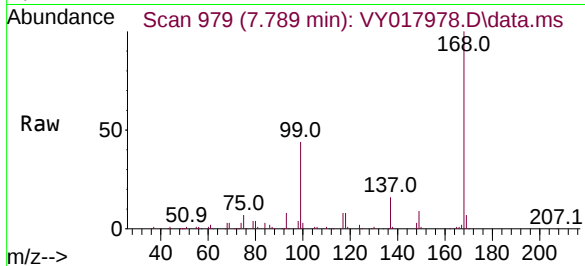




#36
1,1-Dichloropropene
Concen: 4.61 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY017978.D
Acq: 18 Apr 2024 16:02

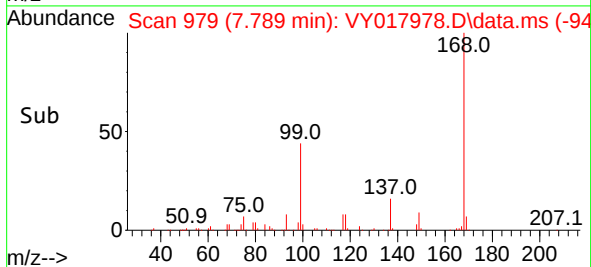
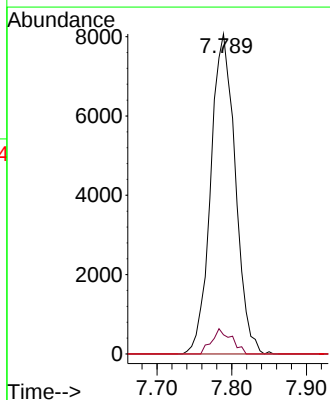
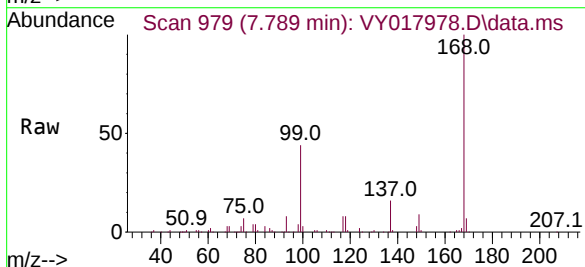
Instrument :
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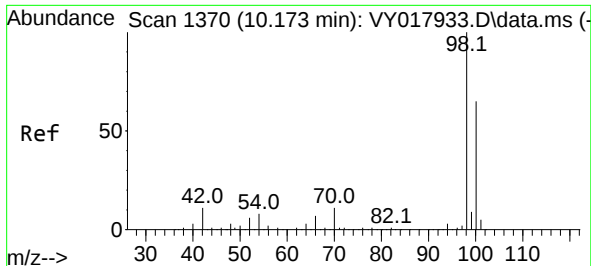
Tgt Ion: 75 Resp: 14478
Ion Ratio Lower Upper
75 100
110 9.8 19.0 57.0#
77 0.2 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.82 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY017978.D
Acq: 18 Apr 2024 16:02

Tgt Ion: 117 Resp: 18466
Ion Ratio Lower Upper
117 100
119 6.0 75.8 113.6#
121 0.0 24.0 36.0#

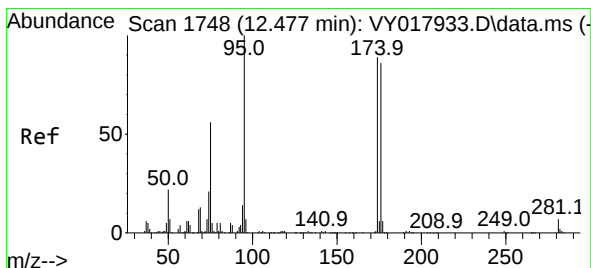
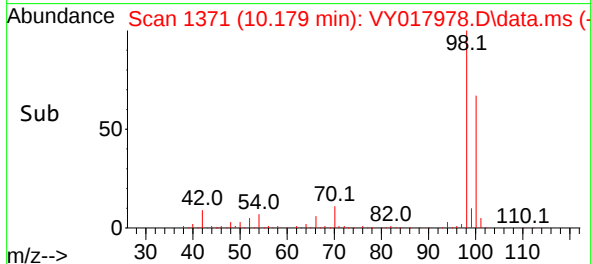
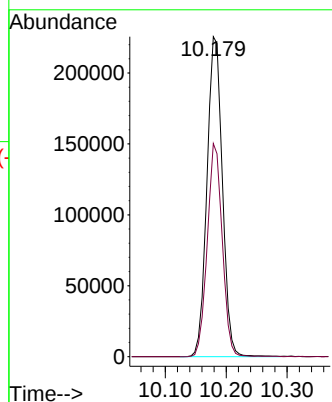
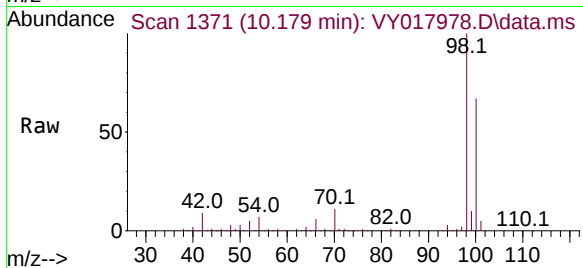




#50
Toluene-d8
Concen: 48.51 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017978.D
Acq: 18 Apr 2024 16:02

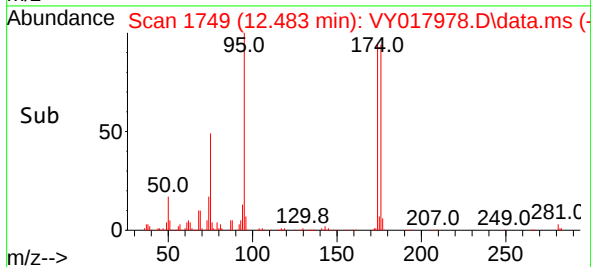
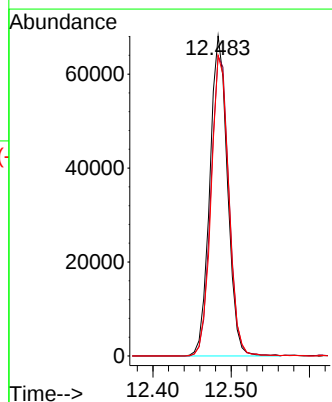
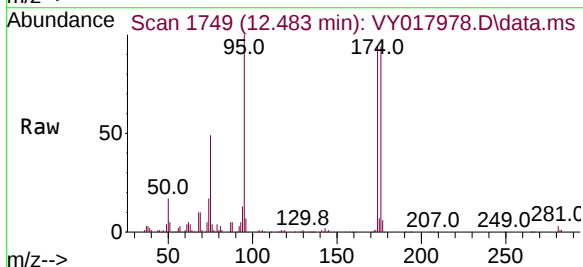
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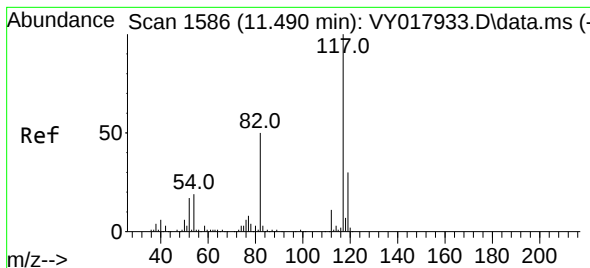
Tgt Ion: 98 Resp: 397384
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 42.18 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY017978.D
Acq: 18 Apr 2024 16:02

Tgt Ion: 95 Resp: 107018
Ion Ratio Lower Upper
95 100
174 95.3 0.0 175.6
176 93.4 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017978.D

Acq: 18 Apr 2024 16:02

Instrument :

MSVOA_Y

ClientSampleId :

GRAB-9

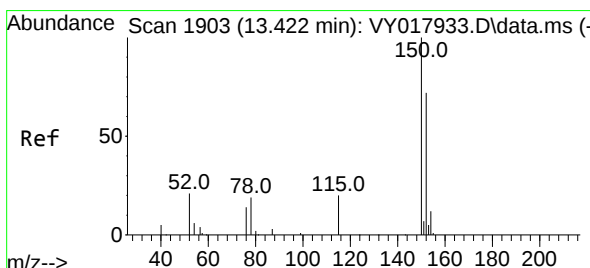
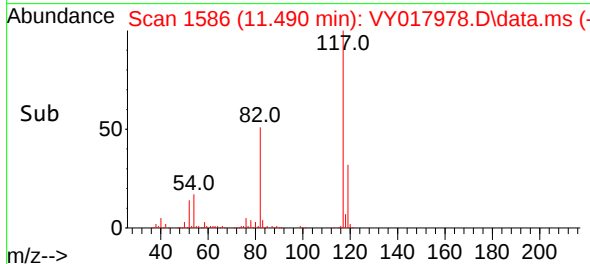
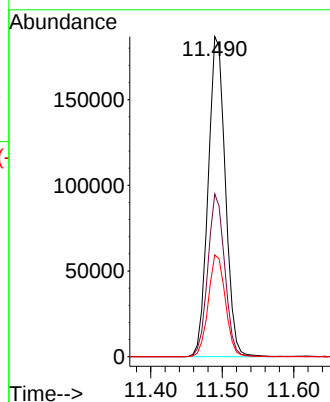
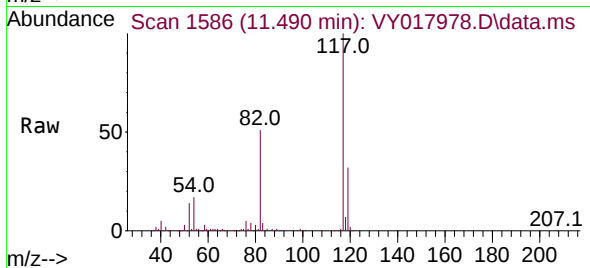
Tgt Ion:117 Resp: 311299

Ion Ratio Lower Upper

117 100

82 50.8 42.4 63.6

119 31.8 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY017978.D

Acq: 18 Apr 2024 16:02

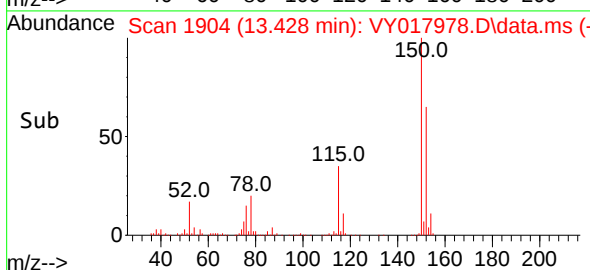
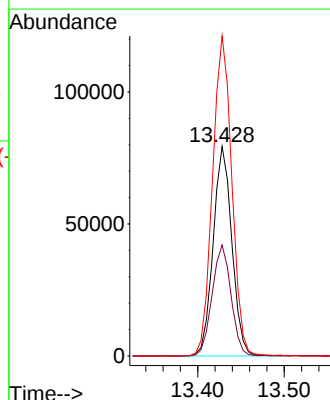
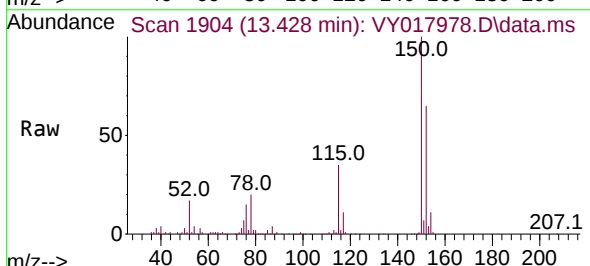
Tgt Ion:152 Resp: 119017

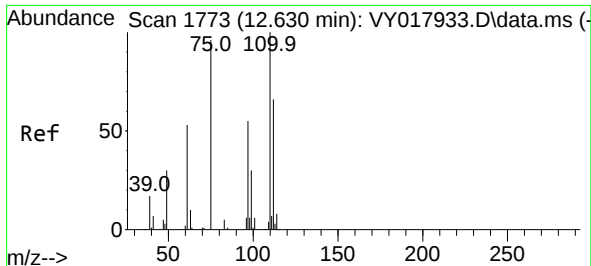
Ion Ratio Lower Upper

152 100

115 53.6 28.2 84.7

150 157.4 0.0 345.6

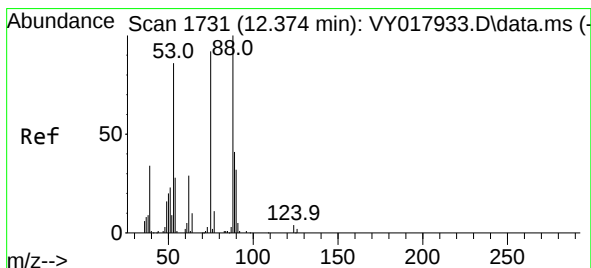
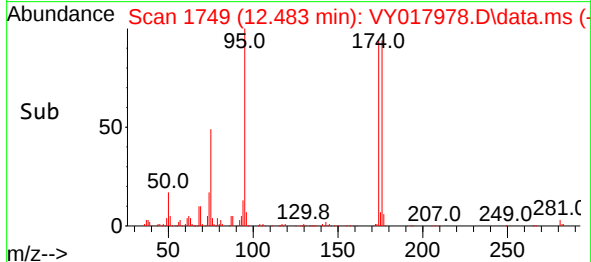
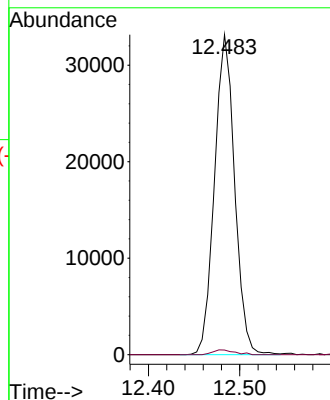
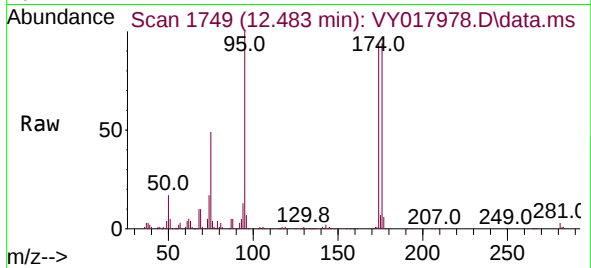




#76
1,2,3-Trichloropropane
Concen: 45.50 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY017978.D
Acq: 18 Apr 2024 16:02

Instrument :
MSVOA_Y
ClientSampleId :
GRAB-9

Tgt Ion: 75 Resp: 50813
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.81 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY017978.D
Acq: 18 Apr 2024 16:02

Tgt Ion: 75 Resp: 50813
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

