

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112922\
 Data File : VY011621.D
 Acq On : 29 Nov 2022 14:47
 Operator : KP/MD
 Sample : N5789-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TFI-359

Quant Time: Nov 30 04:43:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

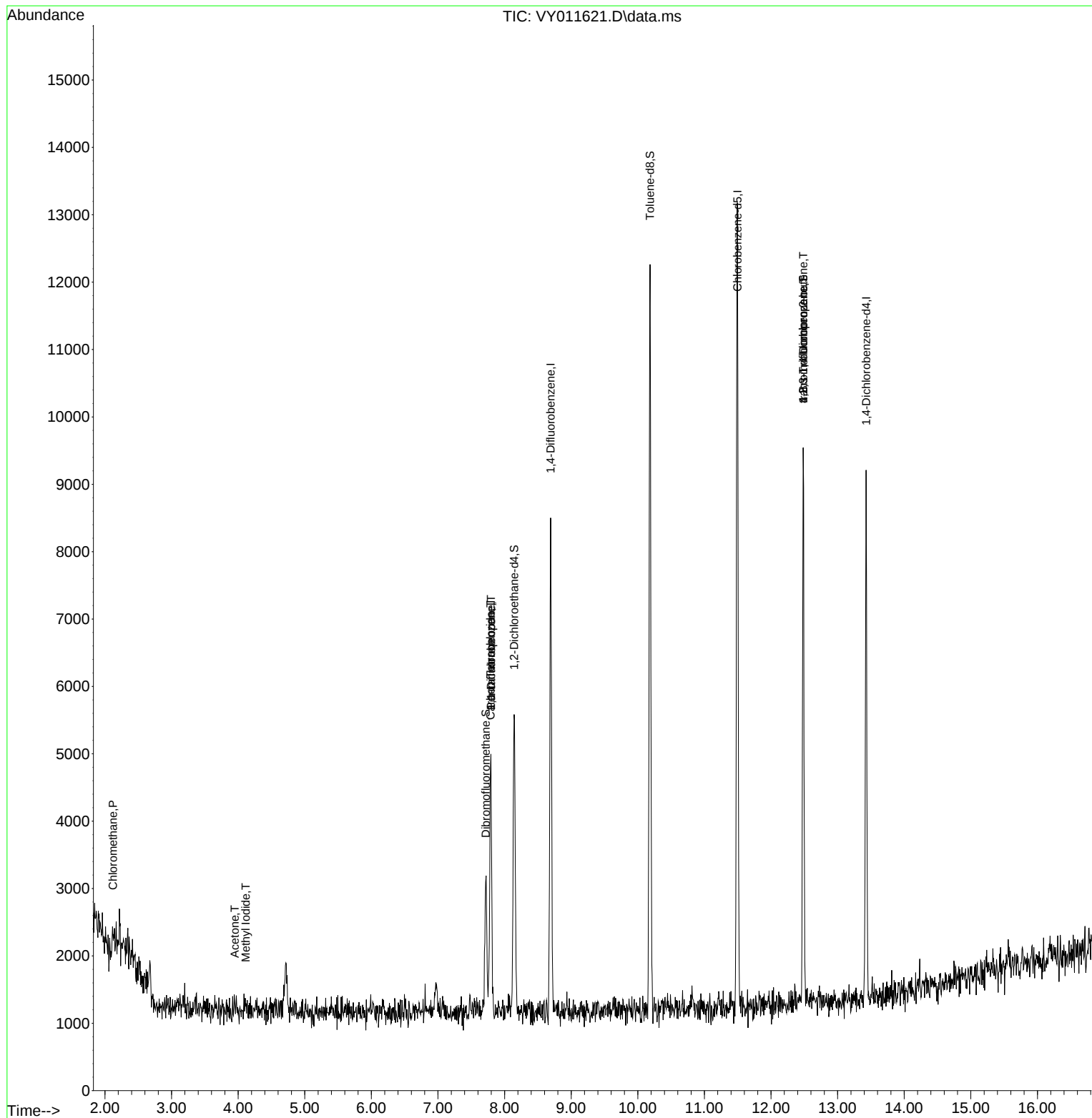
Internal Standards						
1) Pentafluorobenzene	7.795	168	3214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	6513	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	7447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	3929	120.393	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 240.780%#	
35) Dibromofluoromethane	7.716	113	1539	38.385	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 76.780%	
50) Toluene-d8	10.185	98	7930	54.428	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.860%	
62) 4-Bromofluorobenzene	12.483	95	2723	50.549	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.100%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	155	1.363	ug/l #	44
10) Methyl Iodide	4.113	142	398	11.079	ug/l #	43
16) Acetone	3.948	43	40	3.773	ug/l #	47
20) Methylene Chloride	4.722	84	241	Below Cal	#	49
36) 1,1-Dichloropropene	7.795	75	95	1.516	ug/l #	42
38) Carbon Tetrachloride	7.789	117	360	5.134	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	1526	66.060	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1526	144.694	ug/l #	7

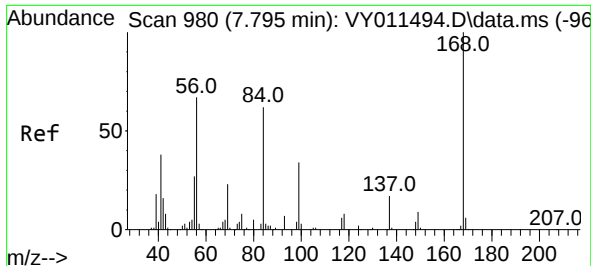
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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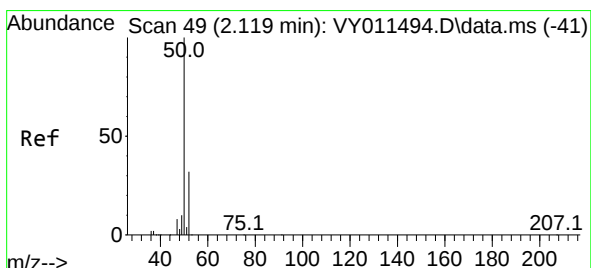
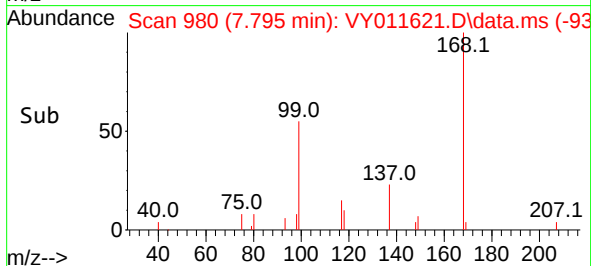
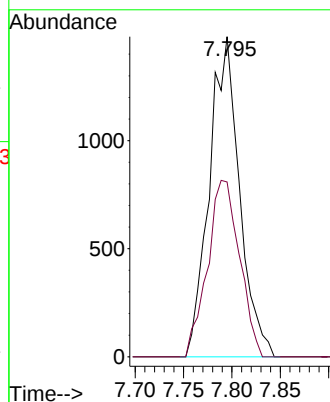
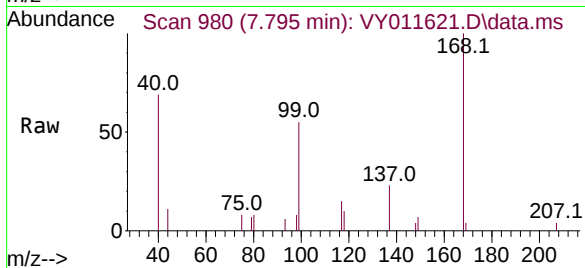




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY011621.D
Acq: 29 Nov 2022 14:47

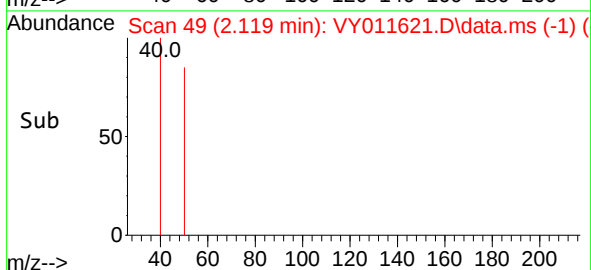
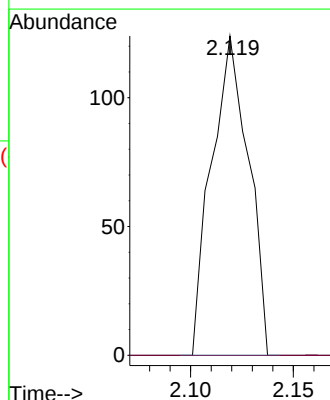
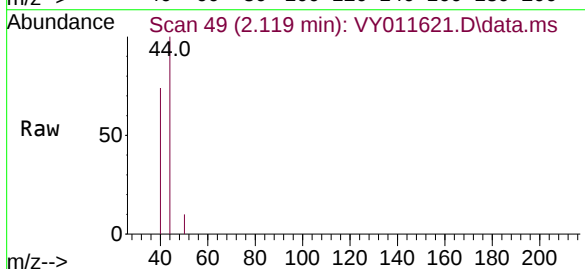
Instrument :
MSVOA_Y
ClientSampleId :
TFI-359

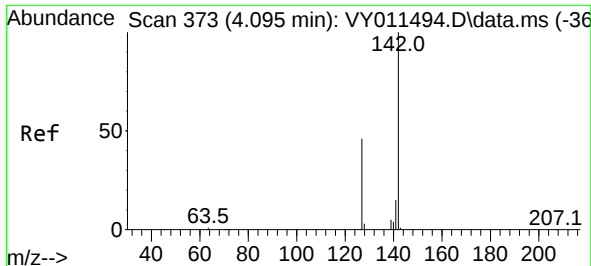
Tgt Ion:168 Resp: 3214
Ion Ratio Lower Upper
168 100
99 54.6 46.9 70.3



#3
Chloromethane
Concen: 1.363 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011621.D
Acq: 29 Nov 2022 14:47

Tgt Ion: 50 Resp: 155
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

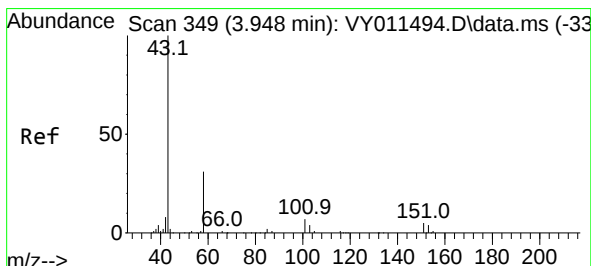
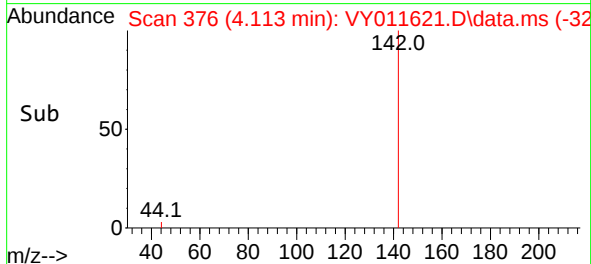
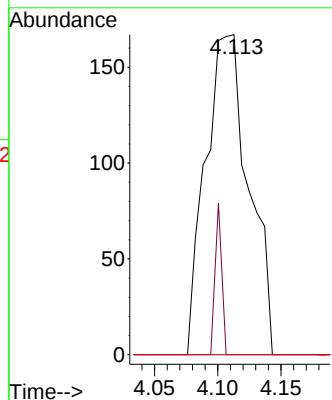
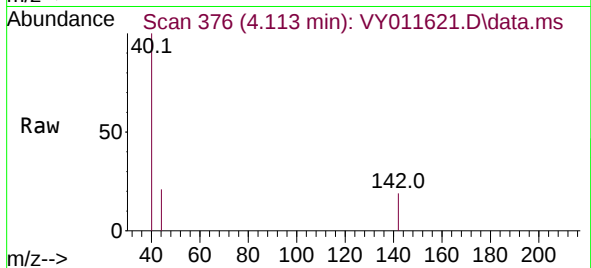




#10
Methyl Iodide
Concen: 11.079 ug/l
RT: 4.113 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY011621.D
Acq: 29 Nov 2022 14:47

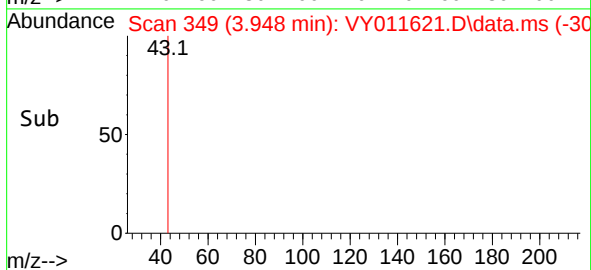
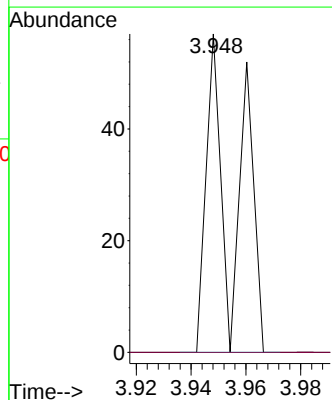
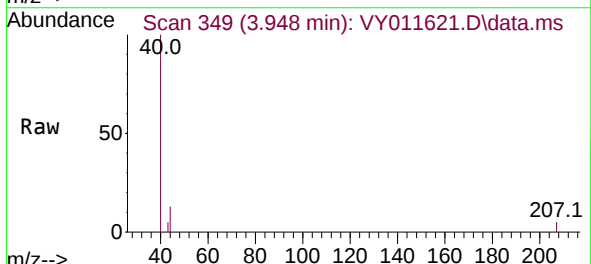
Instrument :
MSVOA_Y
ClientSampleId :
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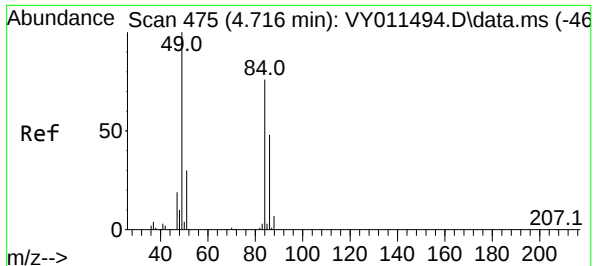
Tgt Ion:142 Resp: 398
Ion Ratio Lower Upper
142 100
127 7.3 41.5 62.3#
141 0.0 11.9 17.9#



#16
Acetone
Concen: 3.773 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011621.D
Acq: 29 Nov 2022 14:47

Tgt Ion: 43 Resp: 40
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#

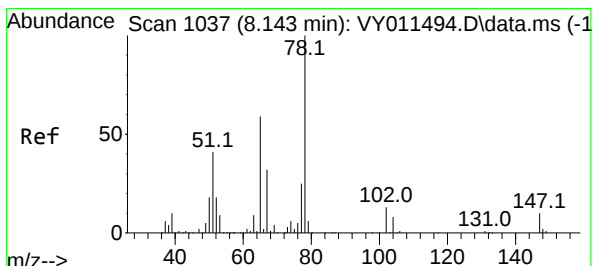
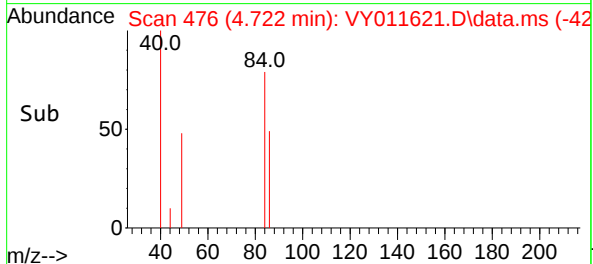
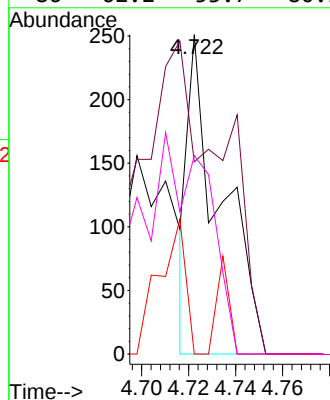
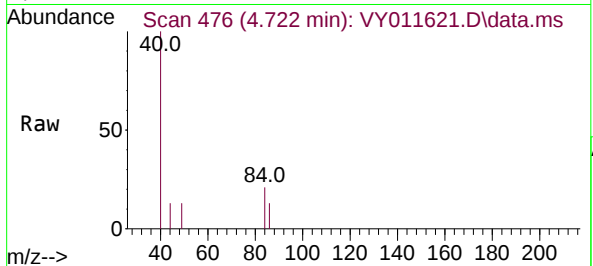




#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011621.D
Acq: 29 Nov 2022 14:47

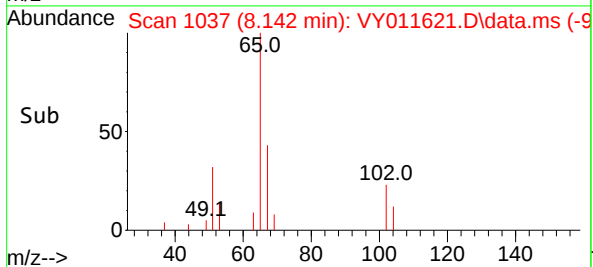
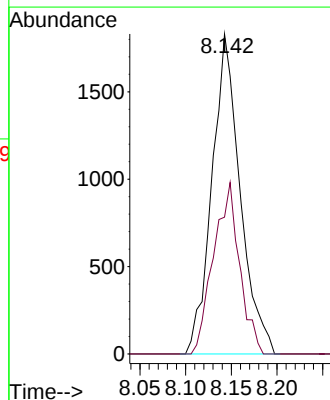
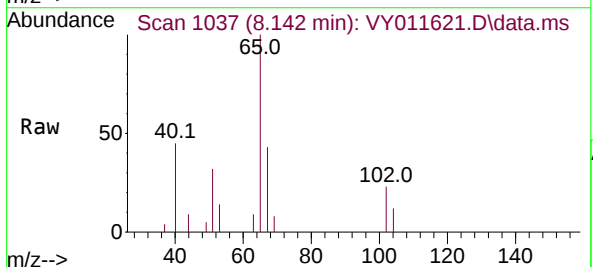
Instrument :
MSVOA_Y
ClientSampleId :
TFI-359

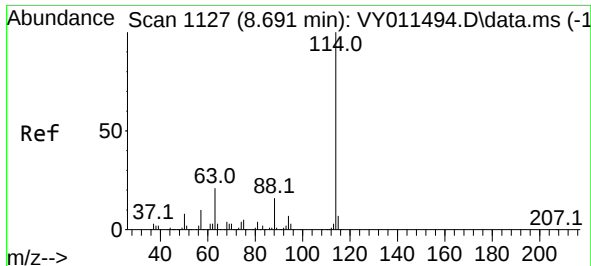
Tgt Ion: 84 Resp: 241
Ion Ratio Lower Upper
84 100
49 60.2 114.4 171.6#
51 0.0 35.3 52.9#
86 62.2 53.7 80.5



#33
1,2-Dichloroethane-d4
Concen: 120.393 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011621.D
Acq: 29 Nov 2022 14:47

Tgt Ion: 65 Resp: 3929
Ion Ratio Lower Upper
65 100
67 49.4 0.0 99.4

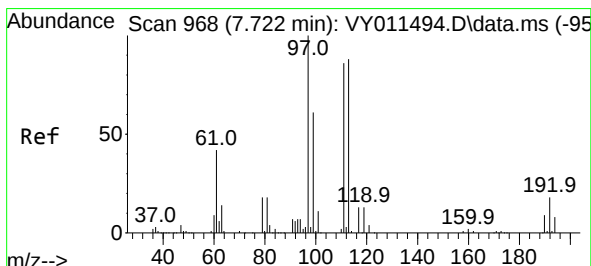
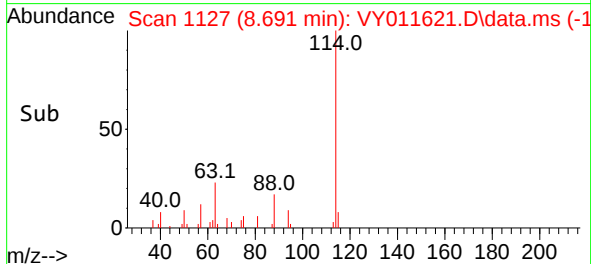
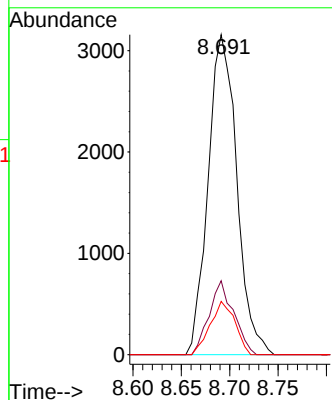
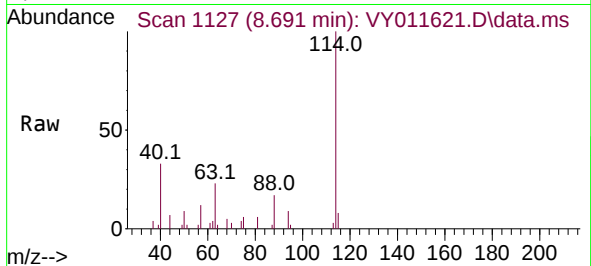




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY011621.D
Acq: 29 Nov 2022 14:47

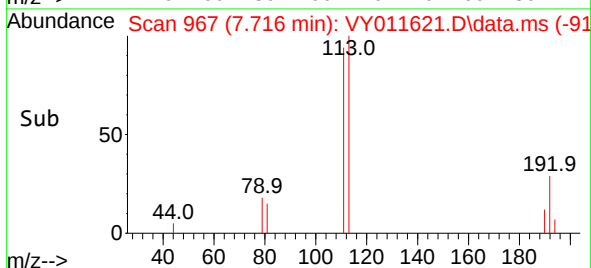
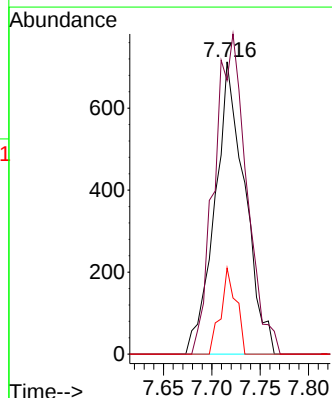
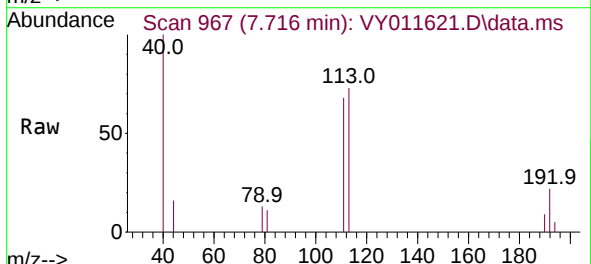
Instrument :
MSVOA_Y
ClientSampleId :
TFI-359

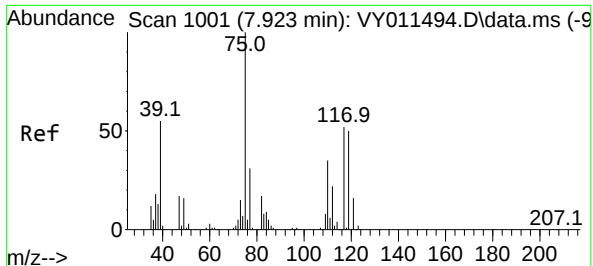
Tgt Ion:	114	Resp:	6513
Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	43.2
88	16.6	0.0	31.8



#35
Dibromofluoromethane
Concen: 38.385 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY011621.D
Acq: 29 Nov 2022 14:47

Tgt Ion:	113	Resp:	1539
Ion	Ratio	Lower	Upper
113	100		
111	117.5	82.6	124.0
192	15.1	17.6	26.4





#36

1,1-Dichloropropene

Concen: 1.516 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011621.D

Acq: 29 Nov 2022 14:47

Instrument :

MSVOA_Y

ClientSampleId :

TFI-359

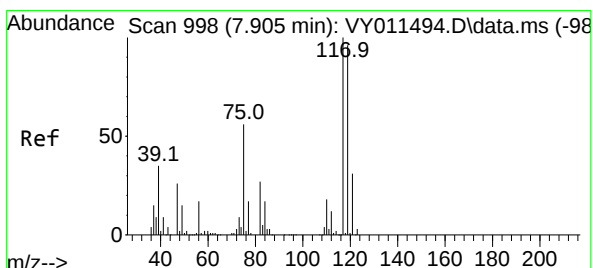
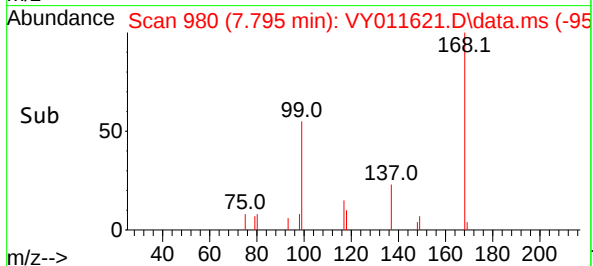
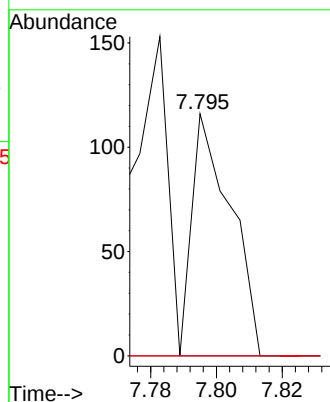
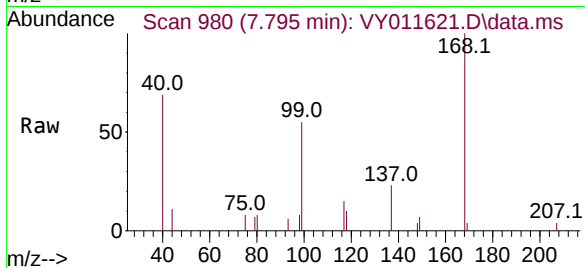
Tgt Ion: 75 Resp: 95

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.134 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011621.D

Acq: 29 Nov 2022 14:47

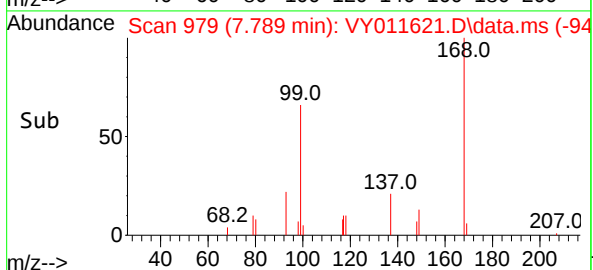
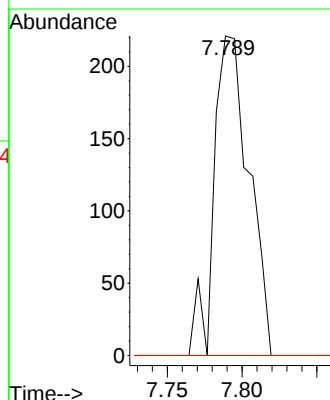
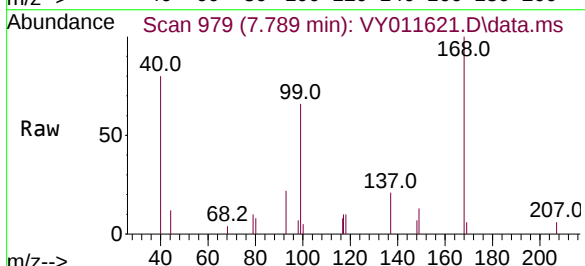
Tgt Ion: 117 Resp: 360

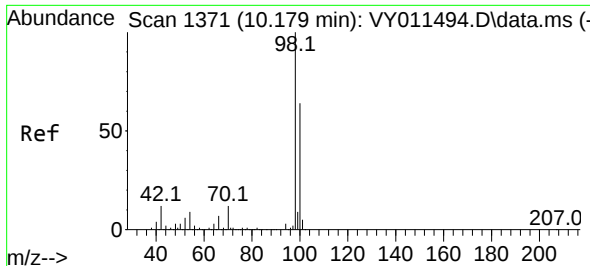
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

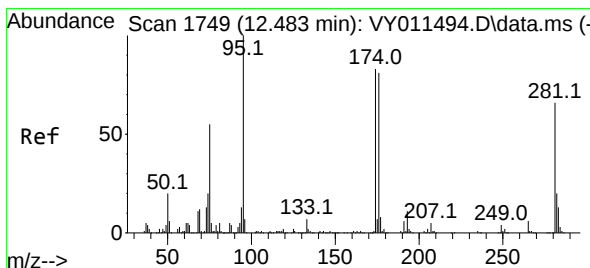
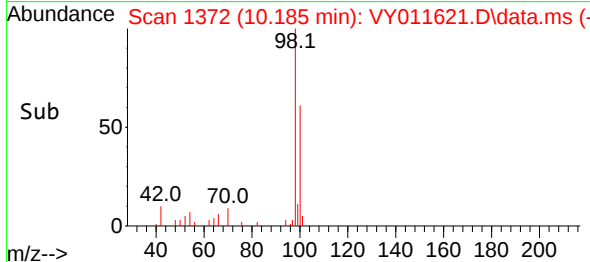
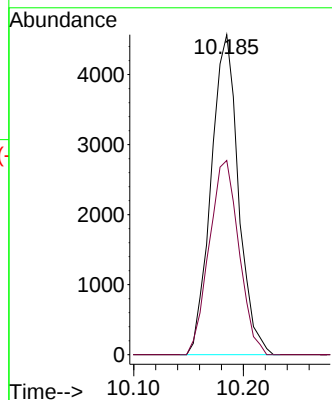
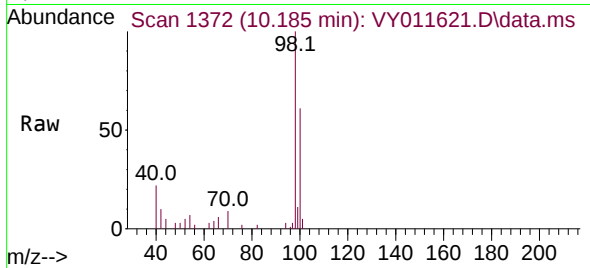




#50
Toluene-d8
Concen: 54.428 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011621.D
Acq: 29 Nov 2022 14:47

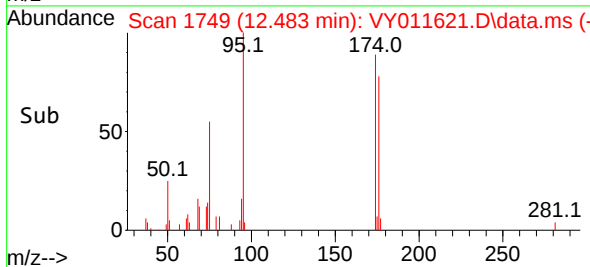
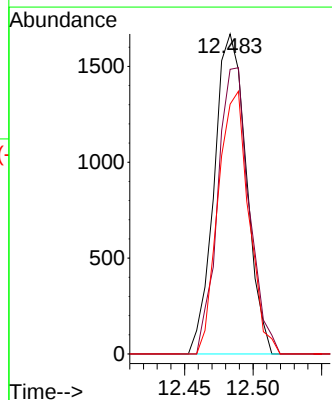
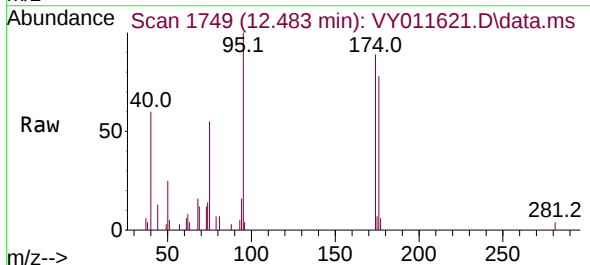
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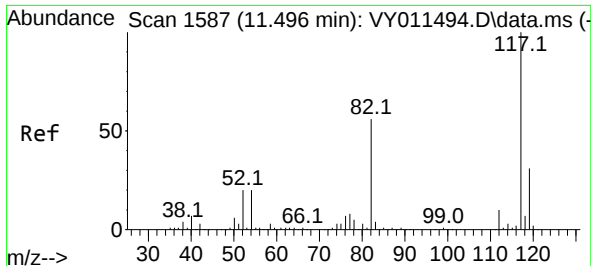
Tgt Ion: 98 Resp: 7930
Ion Ratio Lower Upper
98 100
100 65.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 50.549 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011621.D
Acq: 29 Nov 2022 14:47

Tgt Ion: 95 Resp: 2723
Ion Ratio Lower Upper
95 100
174 87.3 0.0 177.0
176 78.5 0.0 175.8

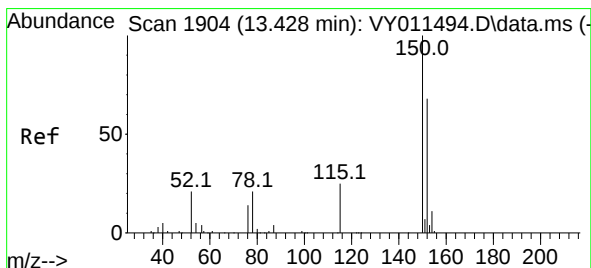
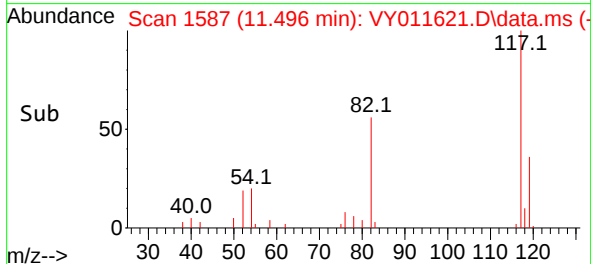
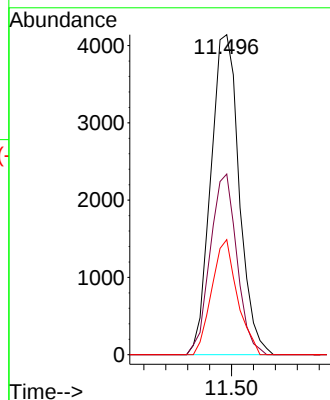
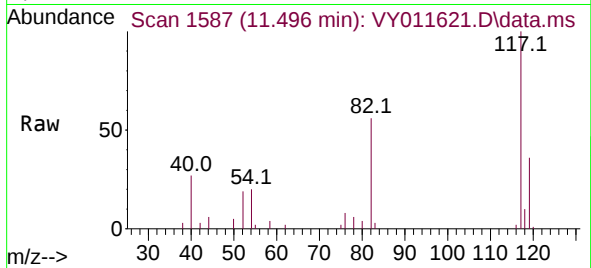




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011621.D
Acq: 29 Nov 2022 14:47

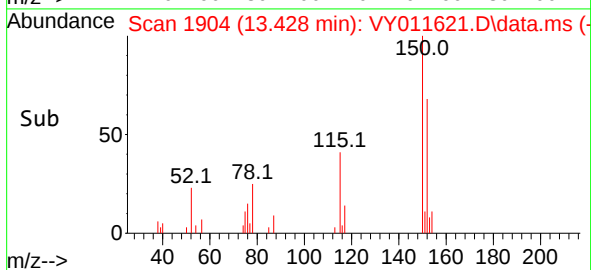
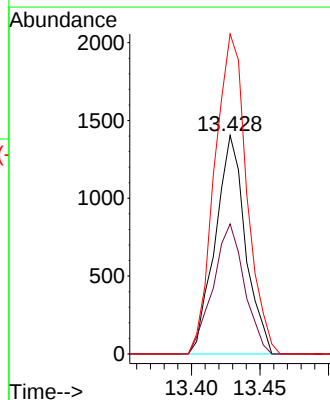
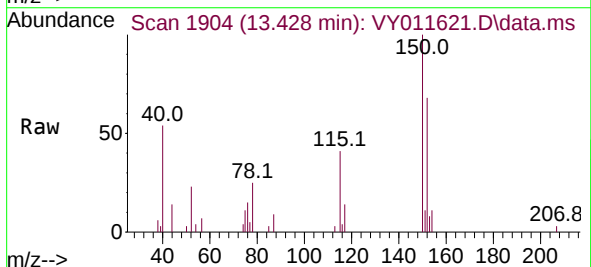
Instrument :
MSVOA_Y
ClientSampleId :
TFI-359

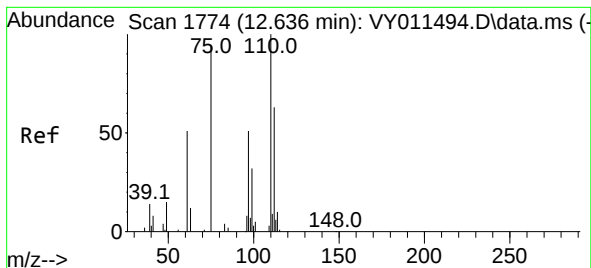
Tgt Ion:117	Resp:	7447
Ion	Ratio	Lower Upper
117	100	
82	56.5	43.0 64.4
119	35.9	25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011621.D
Acq: 29 Nov 2022 14:47

Tgt Ion:152	Resp:	2145
Ion	Ratio	Lower Upper
152	100	
115	61.7	28.2 84.7
150	156.4	0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 66.060 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY011621.D

Acq: 29 Nov 2022 14:47

Instrument :

MSVOA_Y

ClientSampleId :

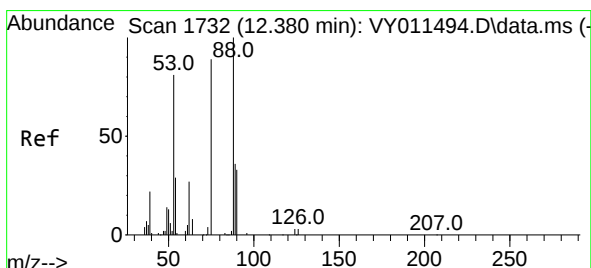
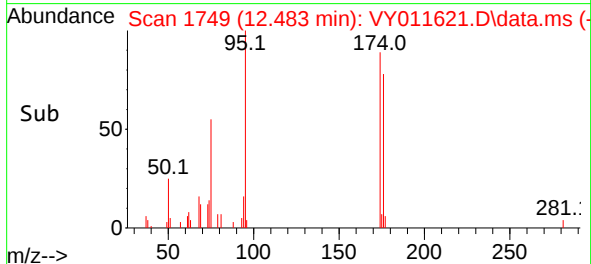
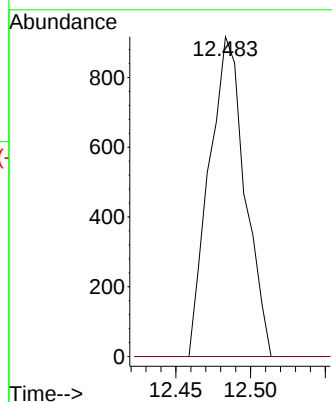
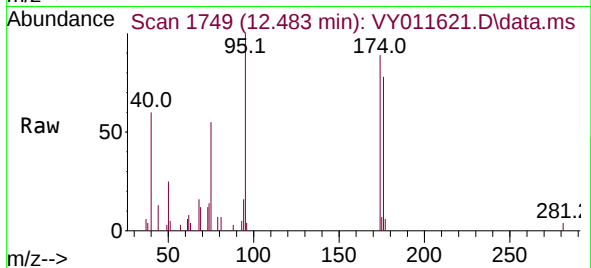
TFI-359

Tgt Ion: 75 Resp: 1526

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 144.694 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.103 min

Lab File: VY011621.D

Acq: 29 Nov 2022 14:47

Tgt Ion: 75 Resp: 1526

Ion Ratio Lower Upper

75 100

53 0.0 85.3 127.9#

89 0.0 37.0 55.4#

