

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120622\
 Data File : VY011716.D
 Acq On : 06 Dec 2022 14:17
 Operator : KP/MD
 Sample : N5895-01
 Misc : 5.20g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-19

Quant Time: Dec 06 23:45:18 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)

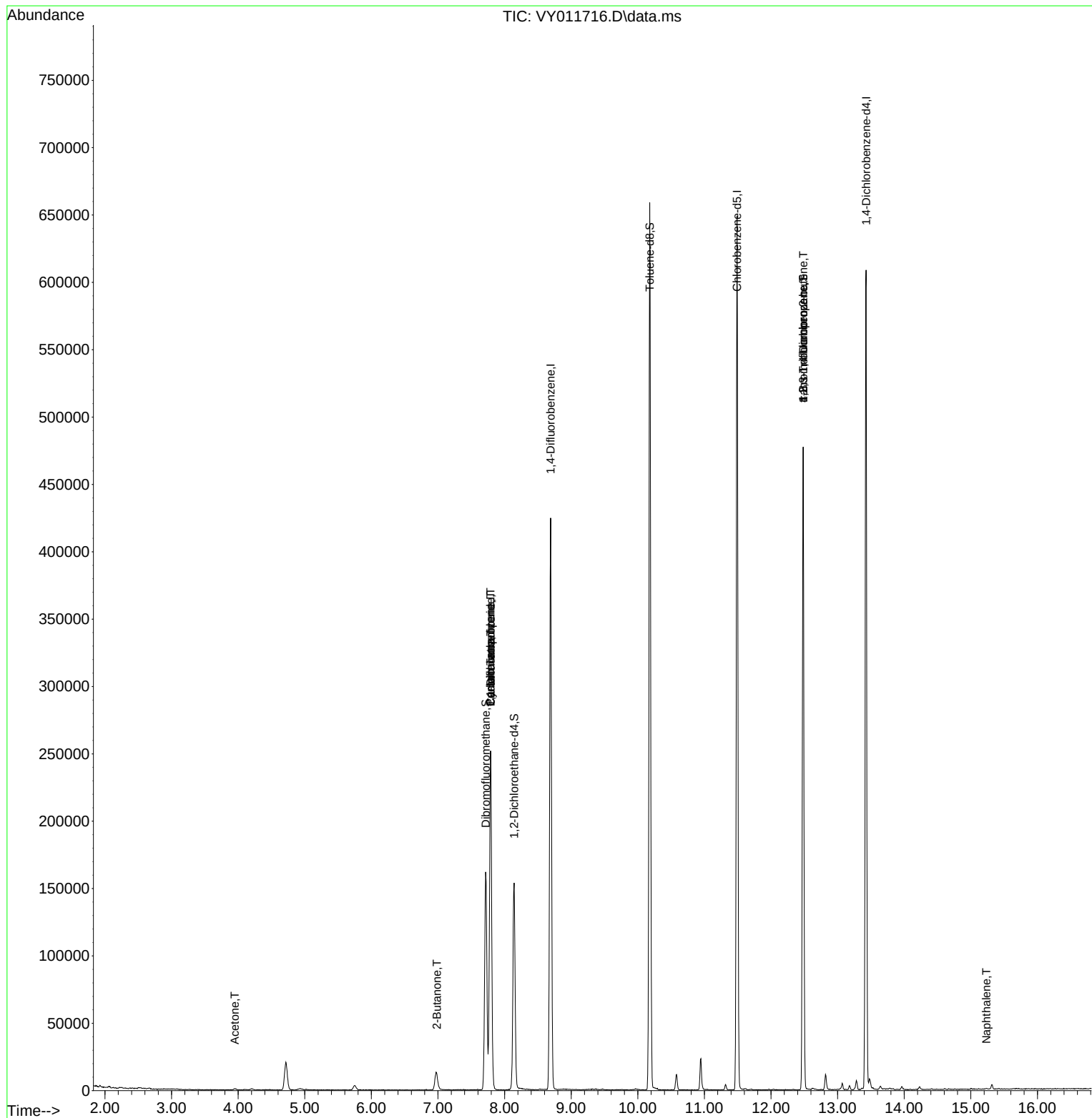
Internal Standards						
1) Pentafluorobenzene	7.789	168	192764	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	351648	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	342835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	157205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	121731	62.193	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.380%	
35) Dibromofluoromethane	7.716	113	113913	52.622	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.240%	
50) Toluene-d8	10.179	98	427687	54.369	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.740%	
62) 4-Bromofluorobenzene	12.483	95	141301	48.583	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.160%	
Target Compounds						Qvalue
3) Chloromethane	2.119	50	308	Below Cal	#	84
5) Bromomethane	2.674	94	337	Below Cal		99
11) Tert butyl alcohol	4.936	59	1595	Below Cal	#	77
16) Acetone	3.948	43	1524	2.397	ug/l	93
18) Methyl Acetate	4.491	43	201	Below Cal	#	56
20) Methylene Chloride	4.716	84	15370	Below Cal	#	78
25) 2-Butanone	6.984	43	1122	1.343	ug/l	# 91
31) Cyclohexane	7.789	56	4163	1.283	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	14369	4.246	ug/l	# 52
38) Carbon Tetrachloride	7.789	117	19284	5.094	ug/l	# 17
76) 1,2,3-Trichloropropane	12.483	75	74601	44.065	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	74601	96.516	ug/l	# 7
95) Naphthalene	15.233	128	623	4.123	ug/l	# 69

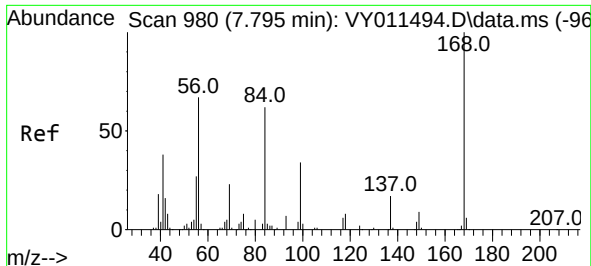
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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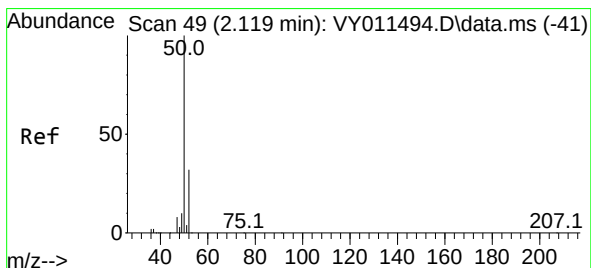
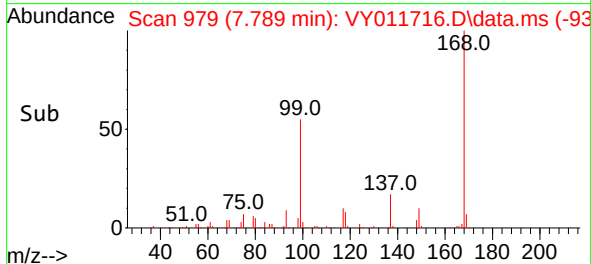
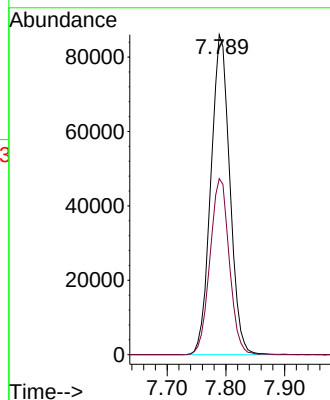
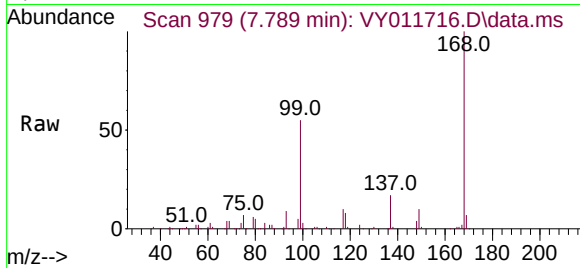




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011716.D
Acq: 06 Dec 2022 14:17

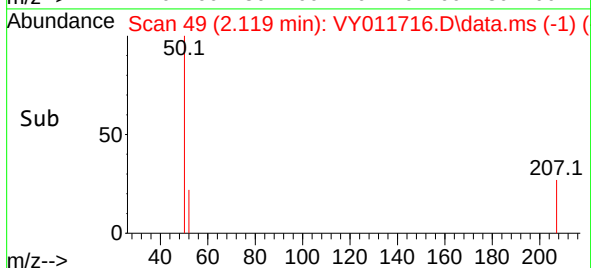
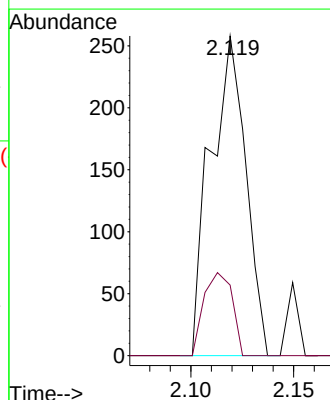
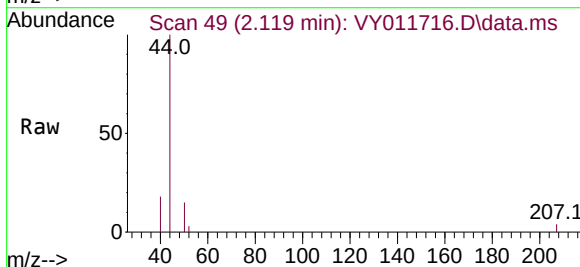
Instrument :
MSVOA_Y
ClientSampleId :
MH-19

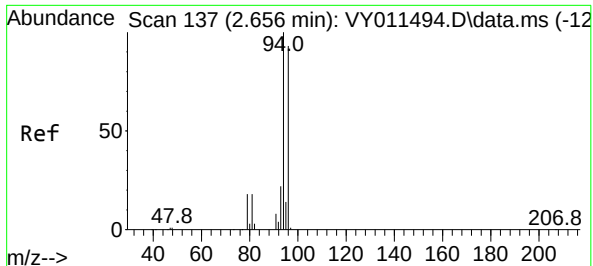
Tgt Ion:168 Resp: 192764
Ion Ratio Lower Upper
168 100
99 55.0 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011716.D
Acq: 06 Dec 2022 14:17

Tgt Ion: 50 Resp: 308
Ion Ratio Lower Upper
50 100
52 22.1 24.6 37.0#

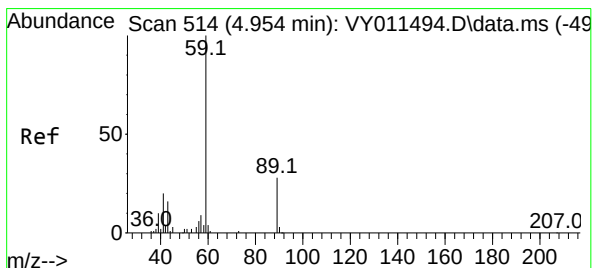
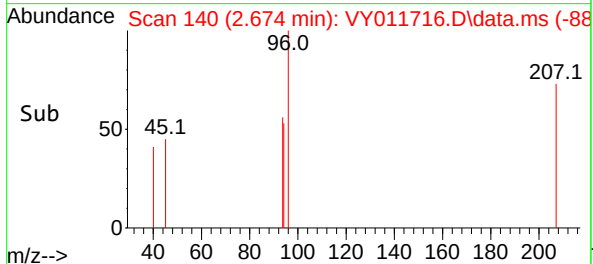
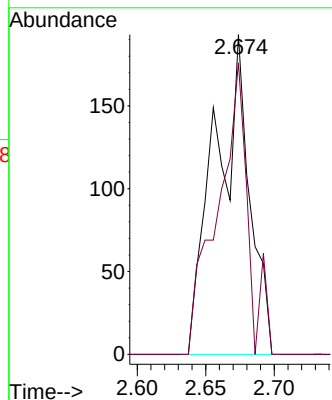
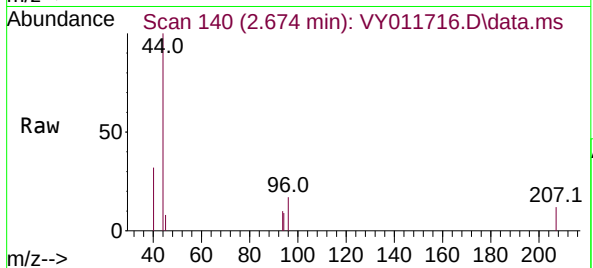




#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 14
Delta R.T. 0.018 min
Lab File: VY011716.D
Acq: 06 Dec 2022 14:17

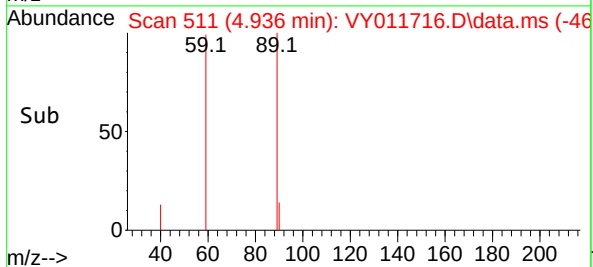
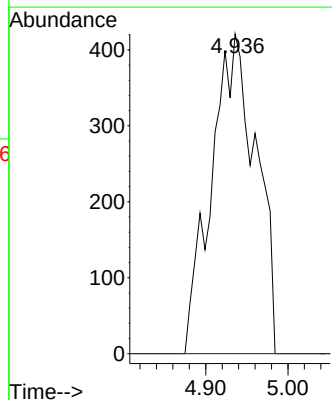
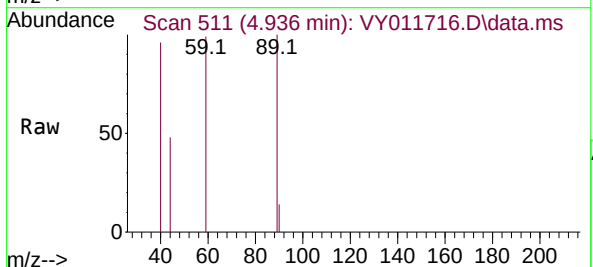
Instrument :
MSVOA_Y
ClientSampleId :
MH-19

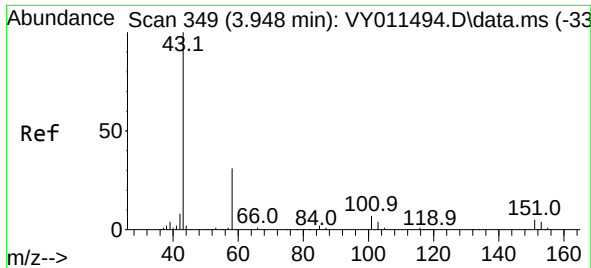
Tgt Ion: 94 Resp: 337
Ion Ratio Lower Upper
94 100
96 91.2 73.5 110.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY011716.D
Acq: 06 Dec 2022 14:17

Tgt Ion: 59 Resp: 1595
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

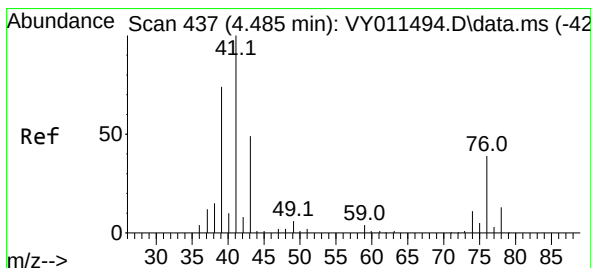
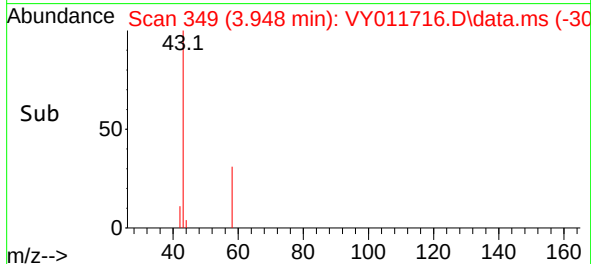
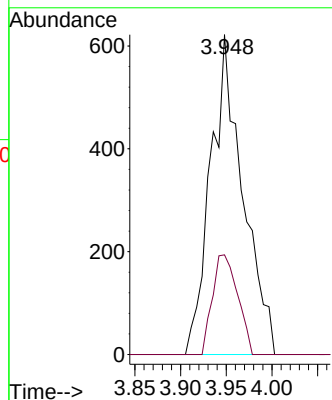
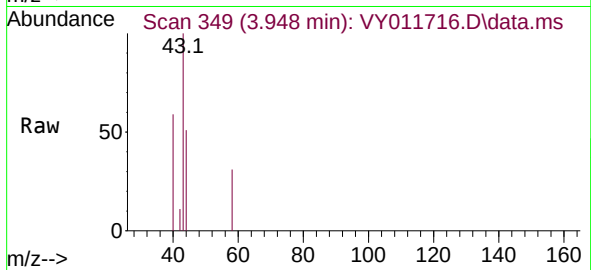




#16
Acetone
Concen: 2.397 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY011716.D
Acq: 06 Dec 2022 14:17

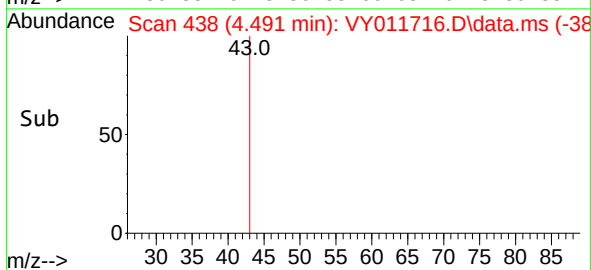
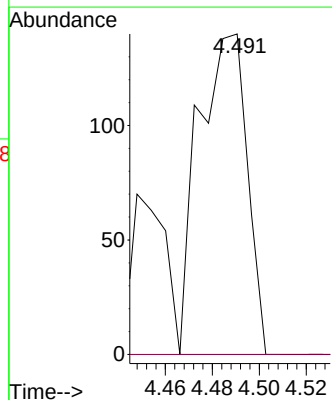
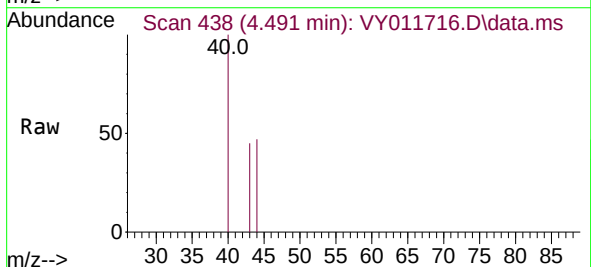
Instrument :
MSVOA_Y
ClientSampleId :
MH-19

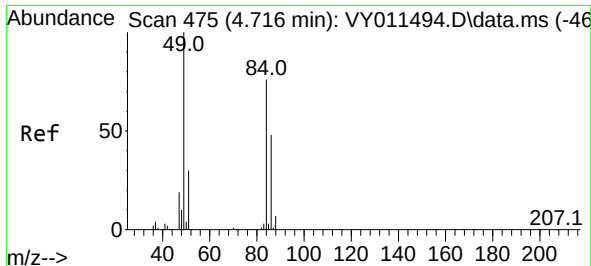
Tgt Ion: 43 Resp: 1524
Ion Ratio Lower Upper
43 100
58 31.2 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY011716.D
Acq: 06 Dec 2022 14:17

Tgt Ion: 43 Resp: 201
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

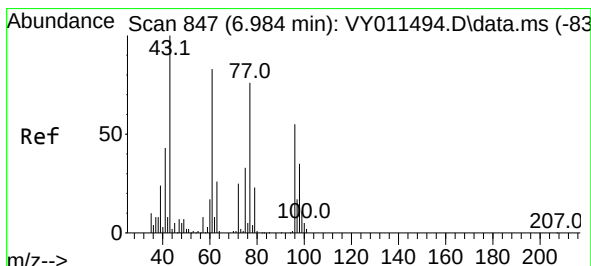
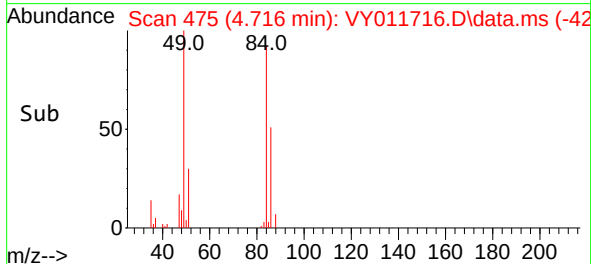
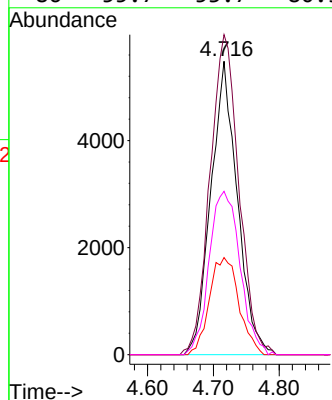
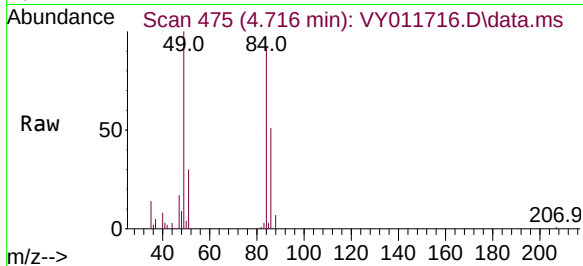




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011716.D
Acq: 06 Dec 2022 14:17

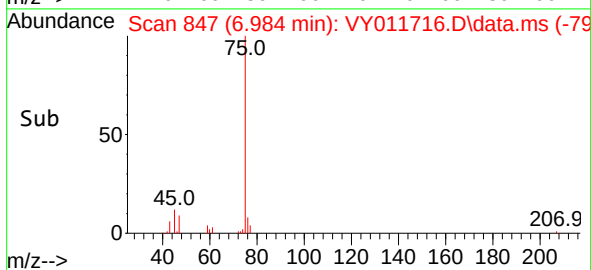
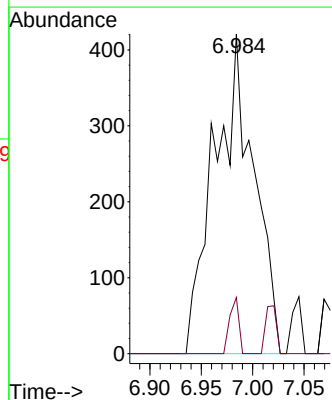
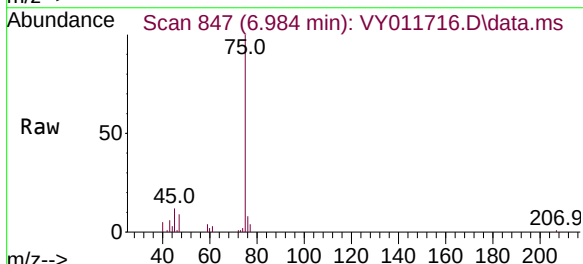
Instrument :
MSVOA_Y
ClientSampleId :
MH-19

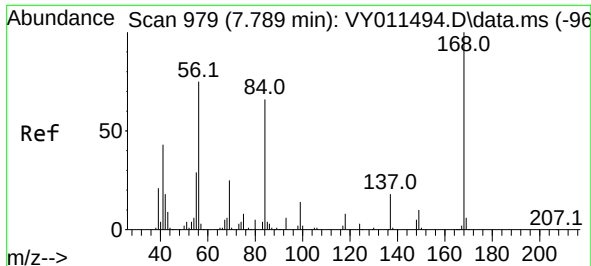
Tgt Ion: 84 Resp: 15370
Ion Ratio Lower Upper
84 100
49 109.0 114.4 171.6#
51 33.1 35.3 52.9#
86 55.7 53.7 80.5



#25
2-Butanone
Concen: 1.343 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY011716.D
Acq: 06 Dec 2022 14:17

Tgt Ion: 43 Resp: 1122
Ion Ratio Lower Upper
43 100
72 17.6 17.7 26.5#

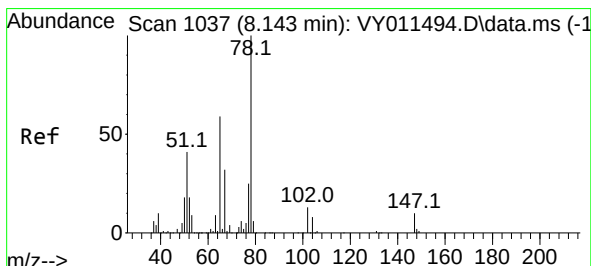
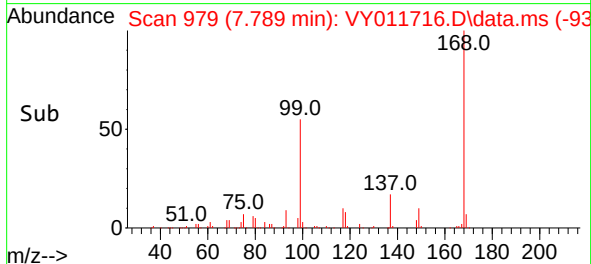
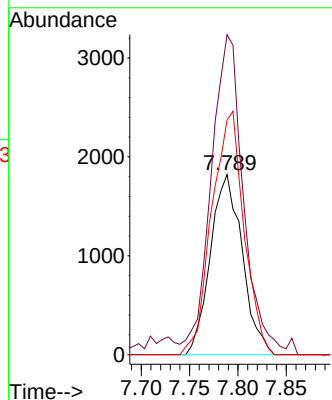
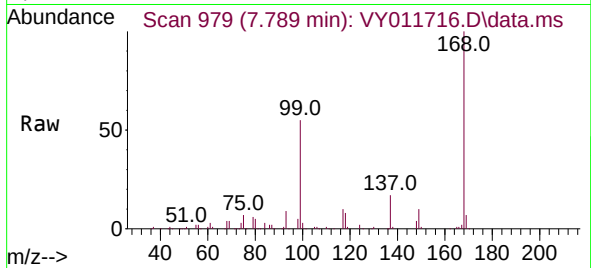




#31
Cyclohexane
Concen: 1.283 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011716.D
Acq: 06 Dec 2022 14:17

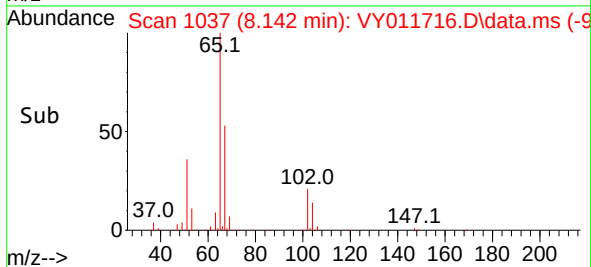
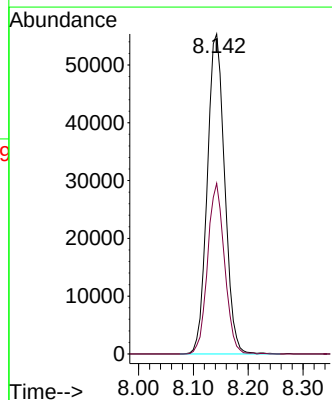
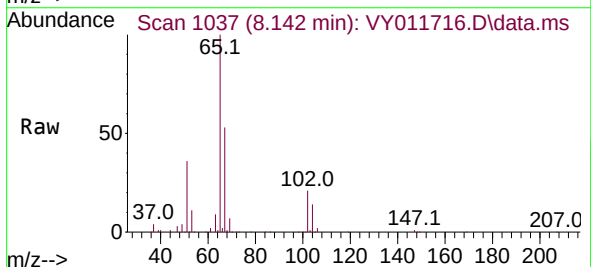
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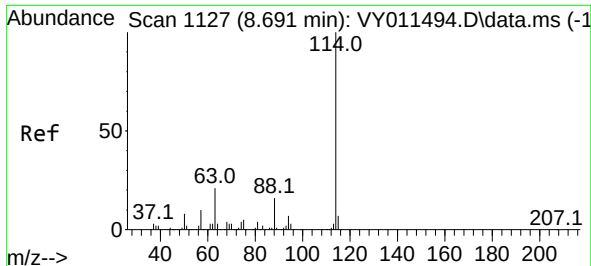
Tgt Ion: 56 Resp: 4163
Ion Ratio Lower Upper
56 100
69 173.1 26.7 40.1#
84 130.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 62.193 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011716.D
Acq: 06 Dec 2022 14:17

Tgt Ion: 65 Resp: 121731
Ion Ratio Lower Upper
65 100
67 51.8 0.0 99.4

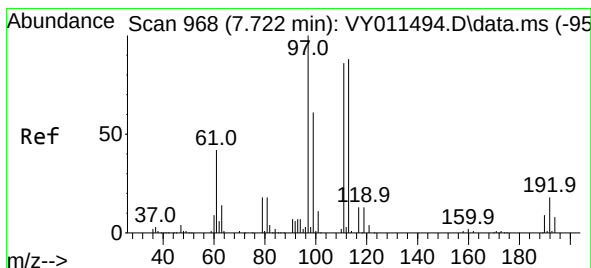
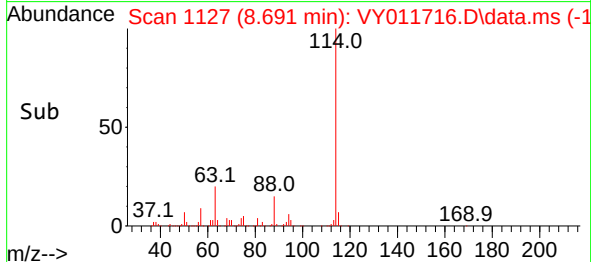
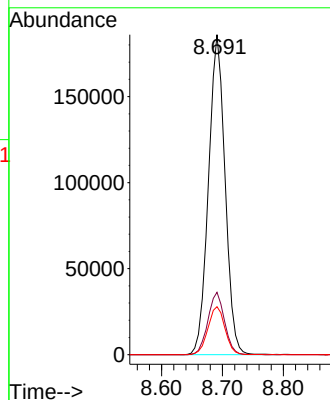
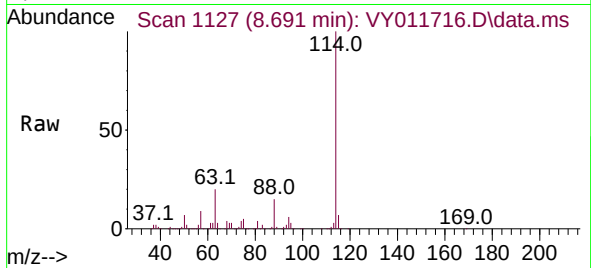




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY011716.D
Acq: 06 Dec 2022 14:17

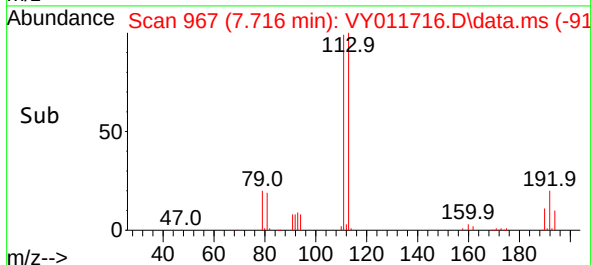
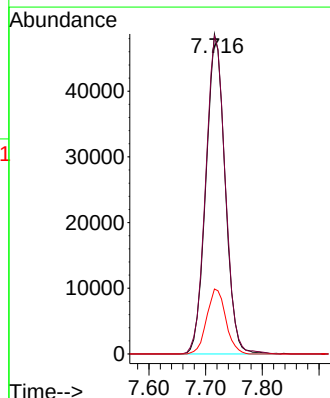
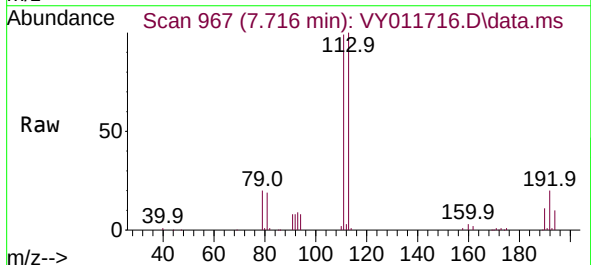
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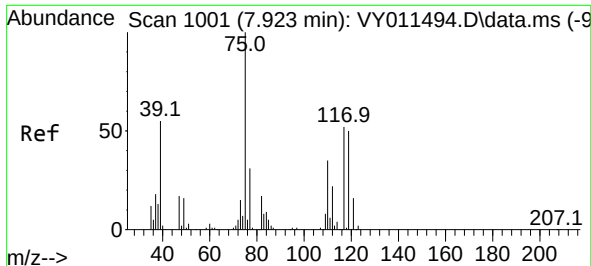
Tgt Ion:	114	Resp:	351648
Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	43.2
88	15.0	0.0	31.8



#35
Dibromofluoromethane
Concen: 52.622 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY011716.D
Acq: 06 Dec 2022 14:17

Tgt Ion:	113	Resp:	113913
Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.6	124.0
192	20.2	17.6	26.4

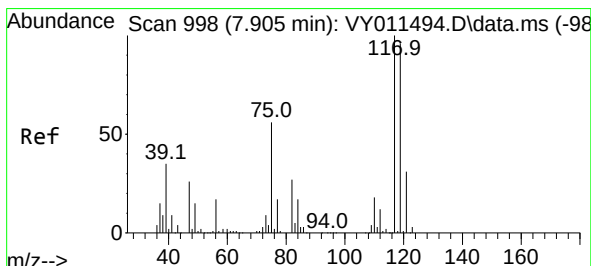
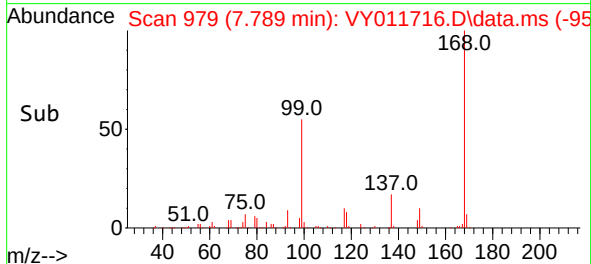
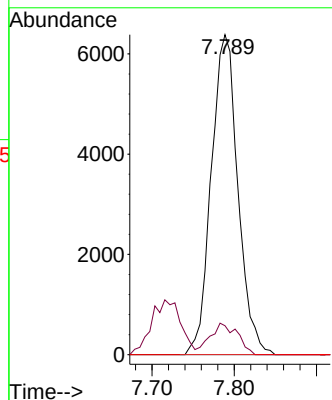
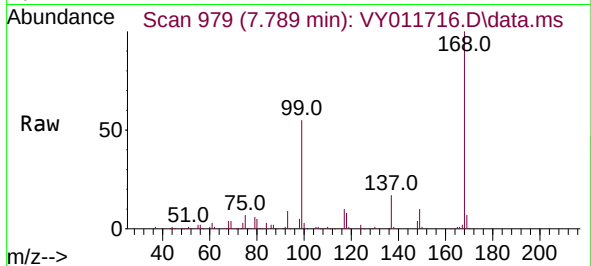




#36
1,1-Dichloropropene
Concen: 4.246 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.134 min
Lab File: VY011716.D
Acq: 06 Dec 2022 14:17

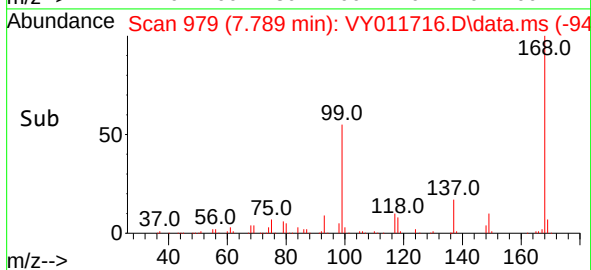
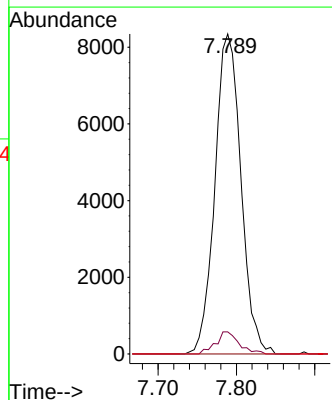
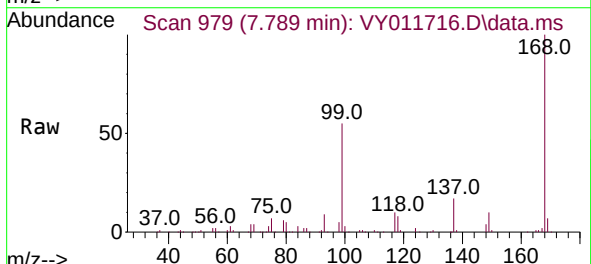
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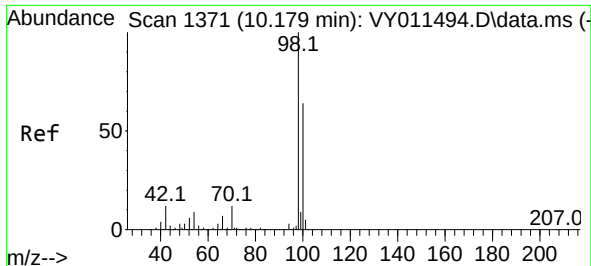
Tgt Ion: 75 Resp: 14369
Ion Ratio Lower Upper
75 100
110 10.2 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.094 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY011716.D
Acq: 06 Dec 2022 14:17

Tgt Ion: 117 Resp: 19284
Ion Ratio Lower Upper
117 100
119 6.9 77.9 116.9#
121 0.0 24.8 37.2#

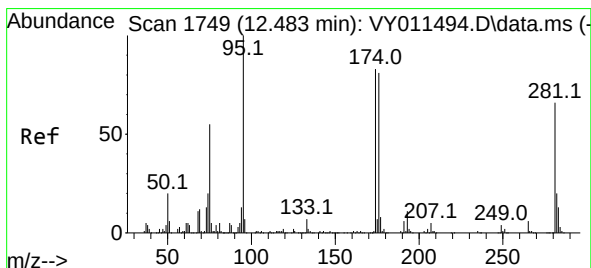
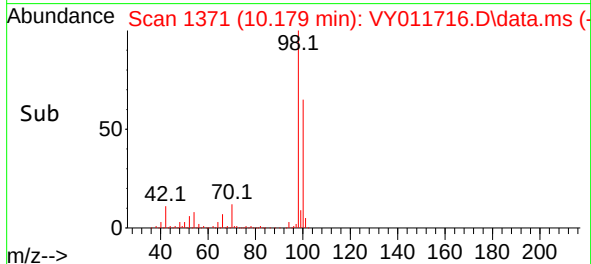
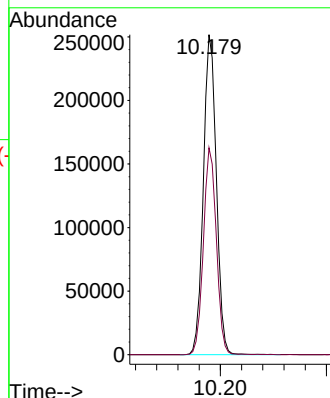
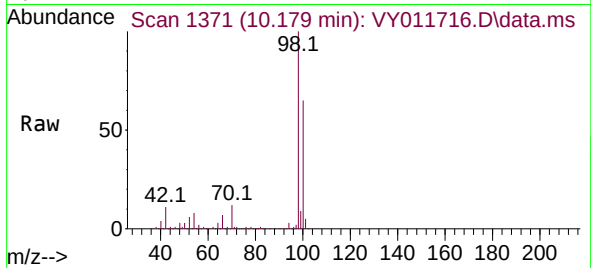




#50
Toluene-d8
Concen: 54.369 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011716.D
Acq: 06 Dec 2022 14:17

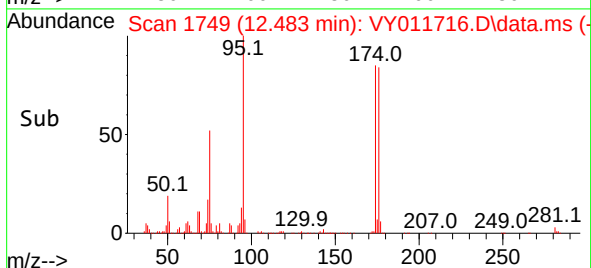
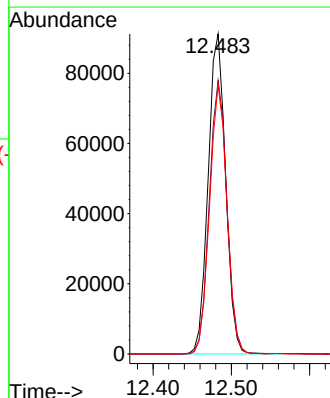
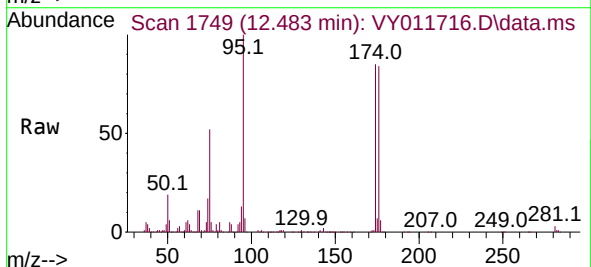
Instrument :
MSVOA_Y
ClientSampleId :
MH-19

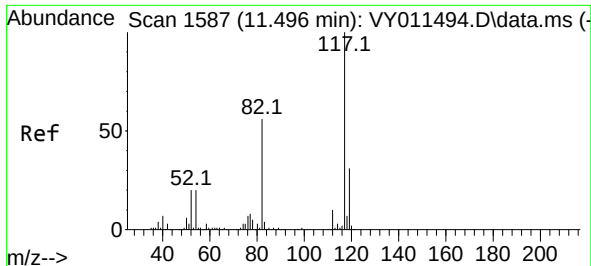
Tgt Ion: 98 Resp: 427687
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 48.583 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011716.D
Acq: 06 Dec 2022 14:17

Tgt Ion: 95 Resp: 141301
Ion Ratio Lower Upper
95 100
174 86.2 0.0 177.0
176 83.3 0.0 175.8

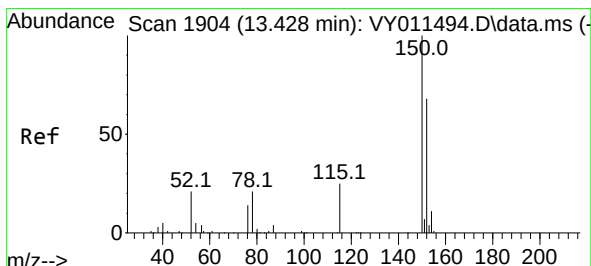
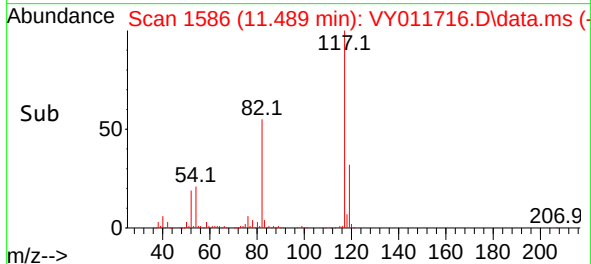
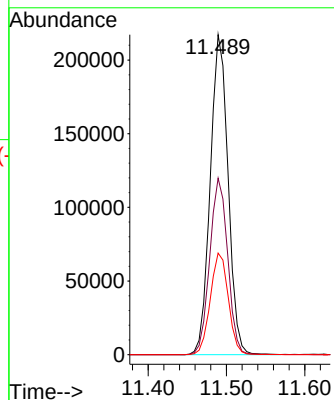
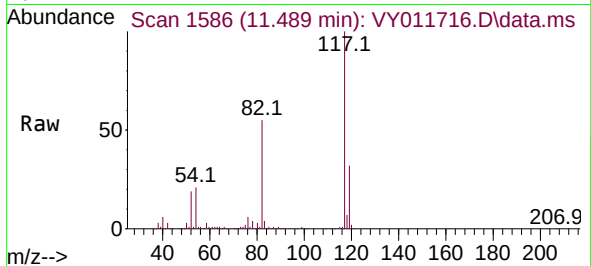




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.007 min
Lab File: VY011716.D
Acq: 06 Dec 2022 14:17

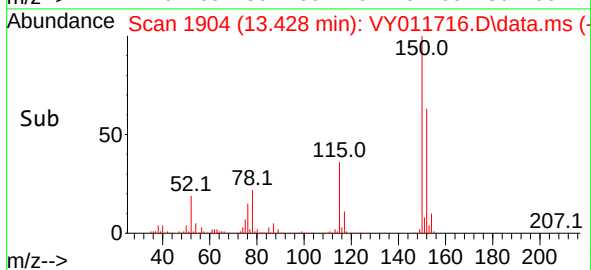
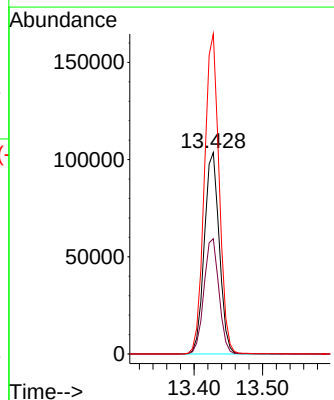
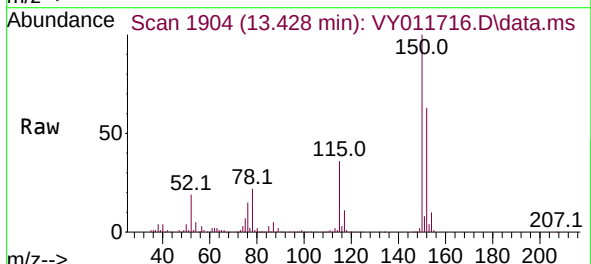
Instrument :
MSVOA_Y
ClientSampleId :
MH-19

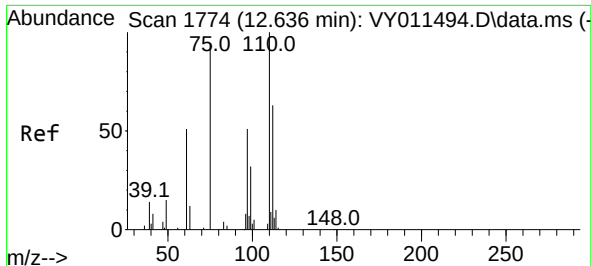
Tgt Ion:117 Resp: 342835
Ion Ratio Lower Upper
117 100
82 55.1 43.0 64.4
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011716.D
Acq: 06 Dec 2022 14:17

Tgt Ion:152 Resp: 157205
Ion Ratio Lower Upper
152 100
115 57.6 28.2 84.7
150 157.3 0.0 347.6

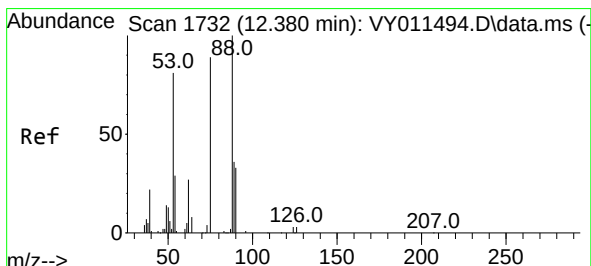
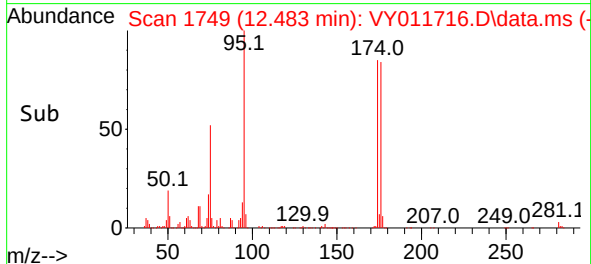
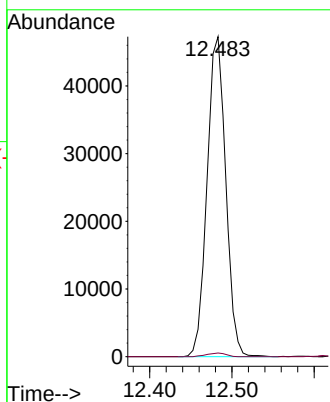
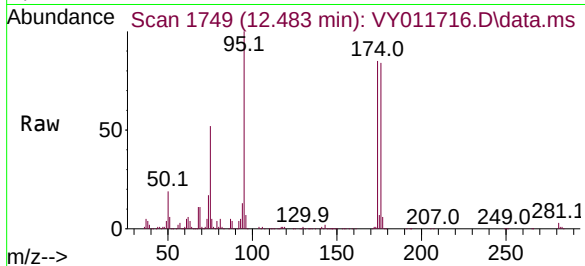




#76
1,2,3-Trichloropropane
Concen: 44.065 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011716.D
Acq: 06 Dec 2022 14:17

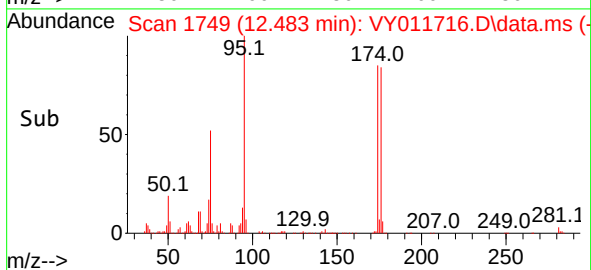
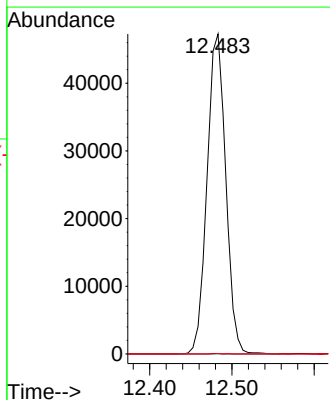
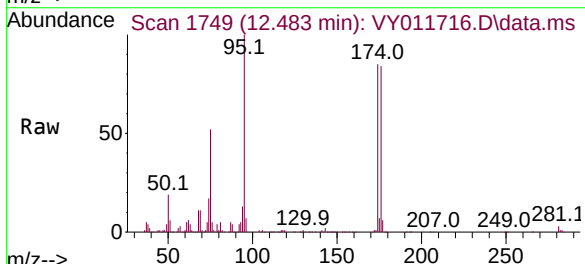
Instrument :
MSVOA_Y
ClientSampleId :
MH-19

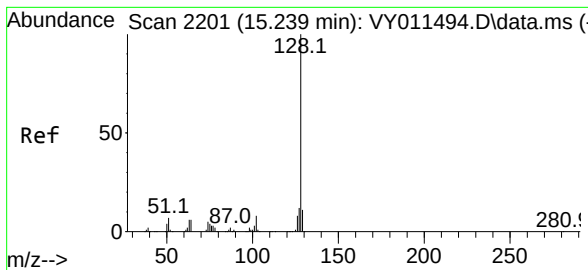
Tgt Ion: 75 Resp: 74601
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.516 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011716.D
Acq: 06 Dec 2022 14:17

Tgt Ion: 75 Resp: 74601
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#





#95
Naphthalene
Concen: 4.123 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY011716.D
Acq: 06 Dec 2022 14:17

Instrument :
MSVOA_Y
ClientSampleId :
MH-19

Tgt Ion:128 Resp: 623
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

