

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112922\
 Data File : VY011627.D
 Acq On : 29 Nov 2022 17:09
 Operator : KP/MD
 Sample : N5812-01
 Misc : 4.62g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-16

Quant Time: Nov 30 04:44:55 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)

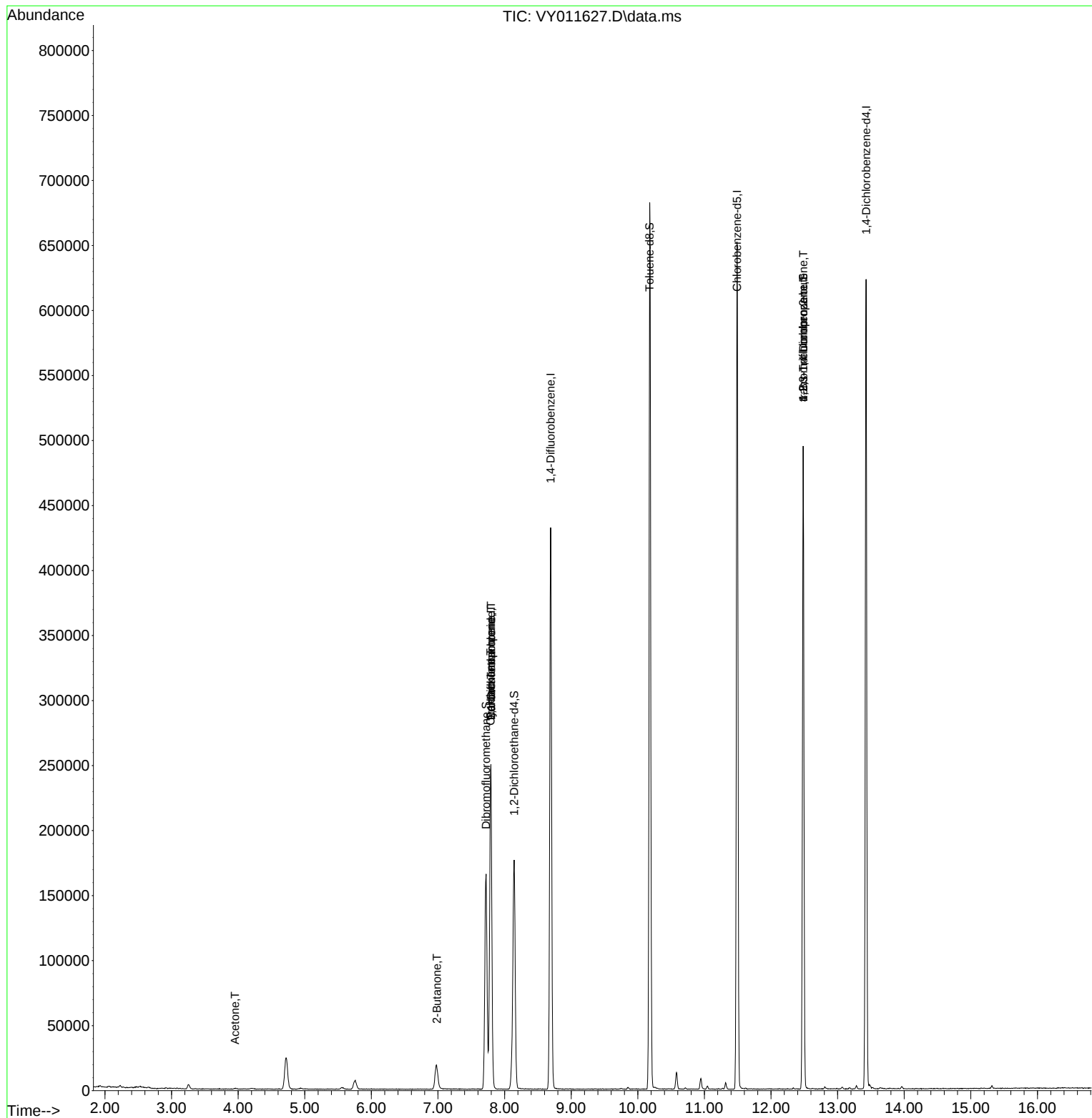
Internal Standards						
1) Pentafluorobenzene	7.795	168	190304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	356484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	345362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	155362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	131637	68.123	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.240%	
35) Dibromofluoromethane	7.722	113	114925	52.370	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.740%	
50) Toluene-d8	10.179	98	438307	54.963	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.920%	
62) 4-Bromofluorobenzene	12.483	95	144068	48.862	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.720%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	293	Below Cal		80
3) Chloromethane	2.119	50	233	Below Cal	#	54
5) Bromomethane	2.656	94	106	Below Cal	#	31
11) Tert butyl alcohol	4.942	59	1144	Below Cal	#	77
16) Acetone	3.954	43	1058	1.686	ug/l	93
18) Methyl Acetate	4.491	43	227	Below Cal	#	56
20) Methylene Chloride	4.722	84	18666	Below Cal		85
25) 2-Butanone	6.984	43	1510	1.831	ug/l #	90
31) Cyclohexane	7.789	56	4262	1.331	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	15526	4.526	ug/l #	51
38) Carbon Tetrachloride	7.795	117	19187	5.000	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	77144	46.107	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	77144	100.990	ug/l #	7

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

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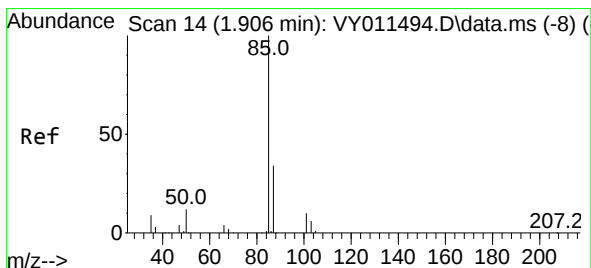
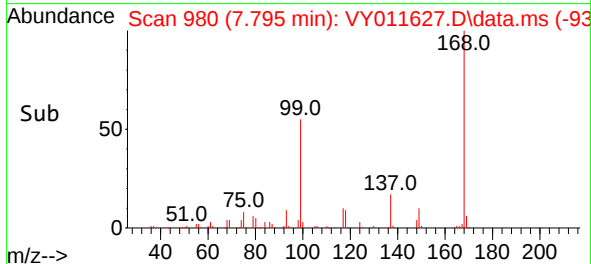
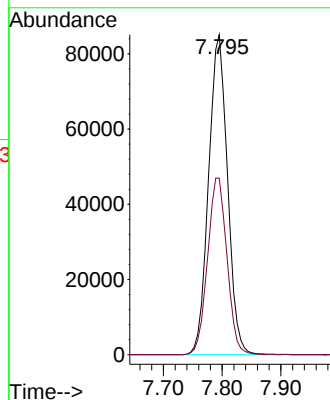
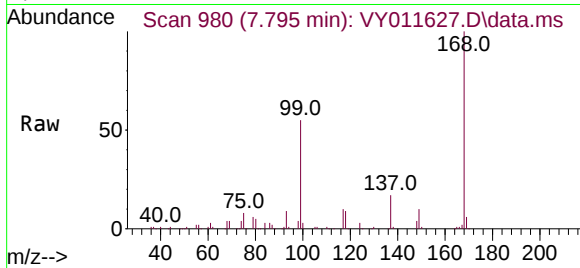




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011627.D
Acq: 29 Nov 2022 17:09

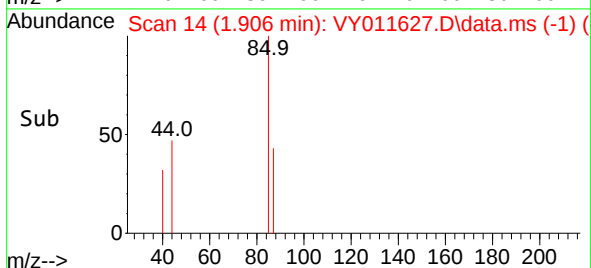
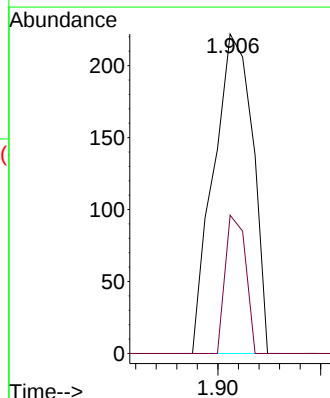
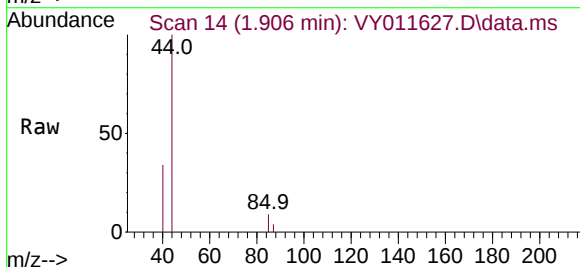
Instrument :
MSVOA_Y
ClientSampleId :
MH-16

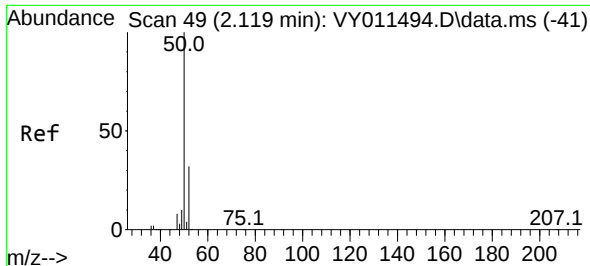
Tgt Ion:168 Resp: 190304
Ion Ratio Lower Upper
168 100
99 55.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011627.D
Acq: 29 Nov 2022 17:09

Tgt Ion: 85 Resp: 293
Ion Ratio Lower Upper
85 100
87 43.2 16.1 48.2

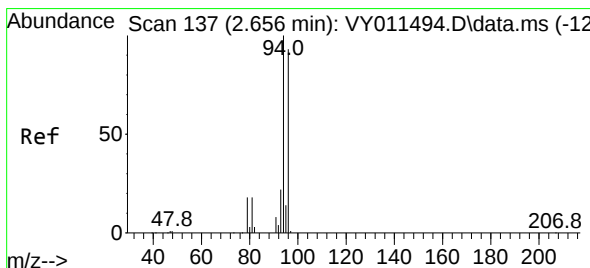
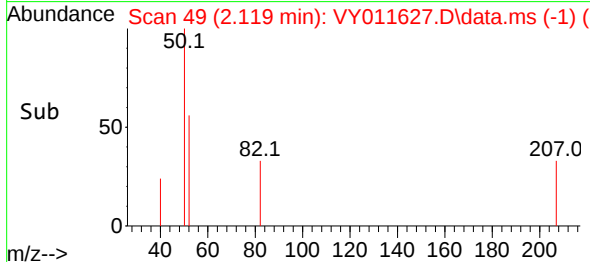
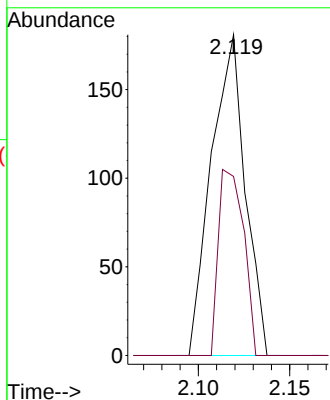
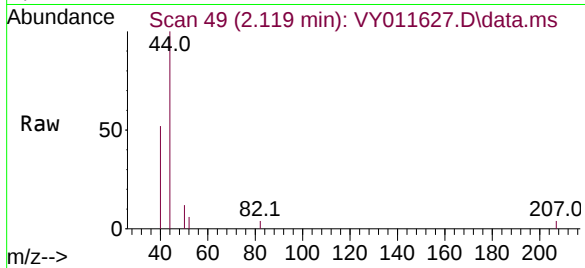




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011627.D
Acq: 29 Nov 2022 17:09

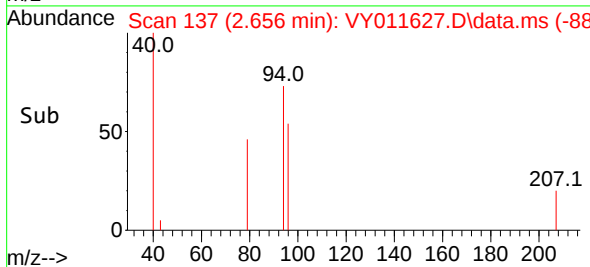
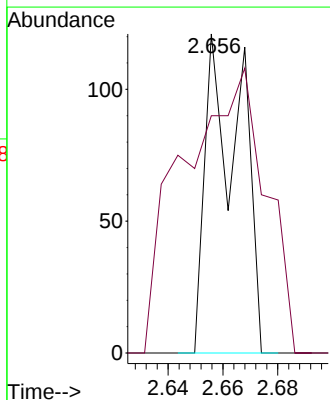
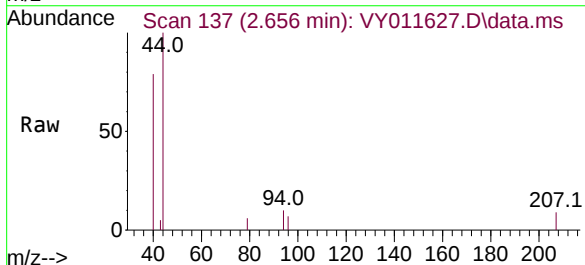
Instrument :
MSVOA_Y
ClientSampleId :
MH-16

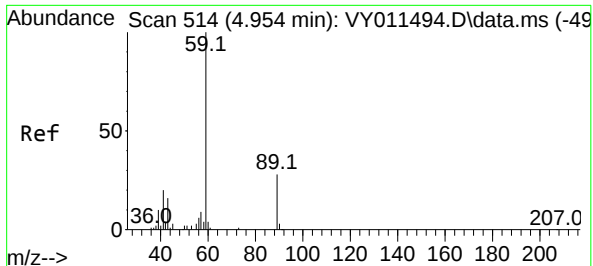
Tgt Ion: 50 Resp: 233
Ion Ratio Lower Upper
50 100
52 55.8 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. -0.000 min
Lab File: VY011627.D
Acq: 29 Nov 2022 17:09

Tgt Ion: 94 Resp: 106
Ion Ratio Lower Upper
94 100
96 26.4 73.5 110.3#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 514

Delta R.T. -0.012 min

Lab File: VY011627.D

Acq: 29 Nov 2022 17:09

Instrument :

MSVOA_Y

ClientSampleId :

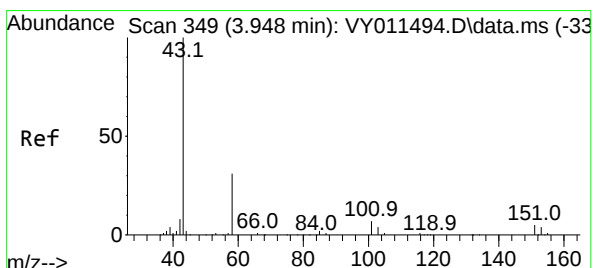
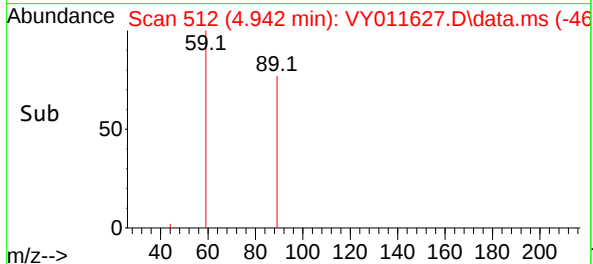
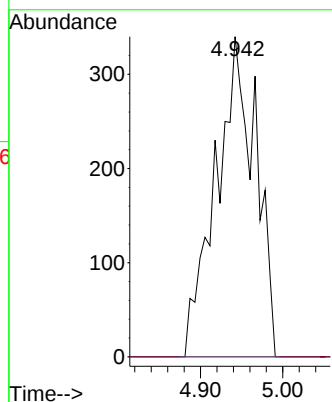
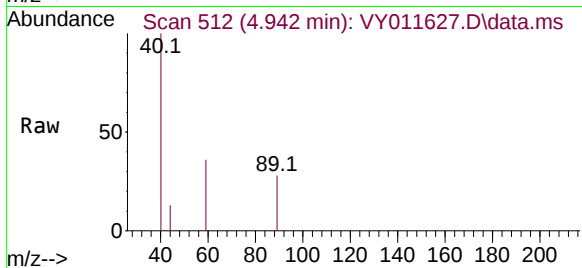
MH-16

Tgt Ion: 59 Resp: 1144

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.686 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY011627.D

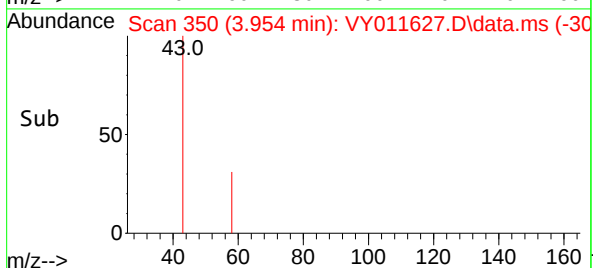
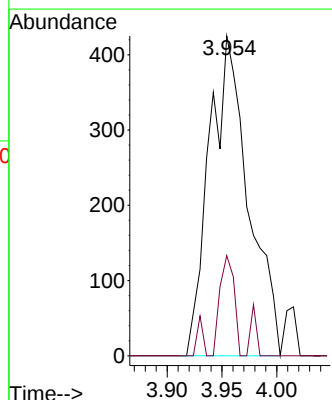
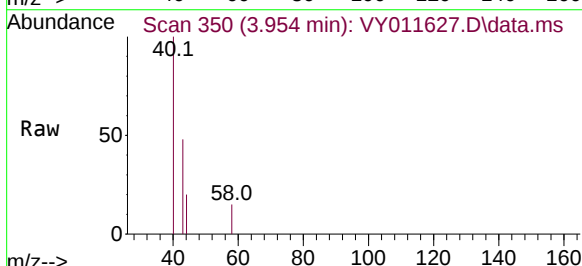
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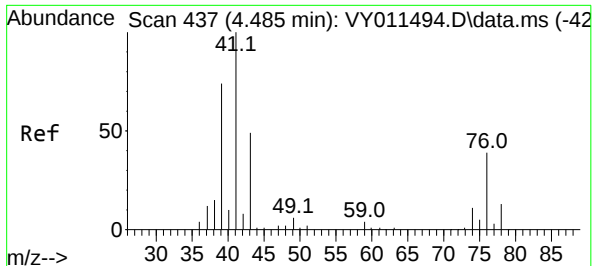
Tgt Ion: 43 Resp: 1058

Ion Ratio Lower Upper

43 100

58 31.3 22.0 33.0

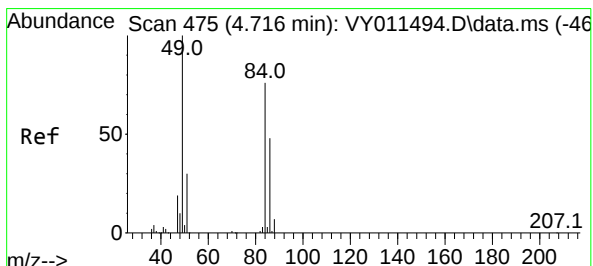
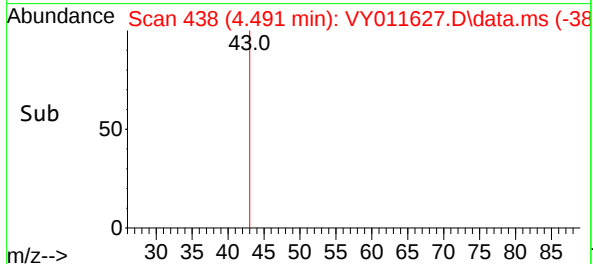
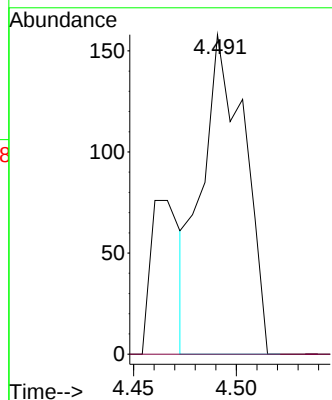
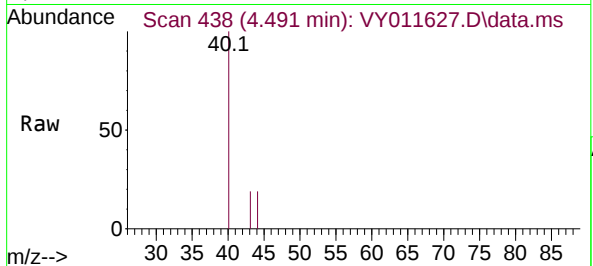




#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011627.D
Acq: 29 Nov 2022 17:09

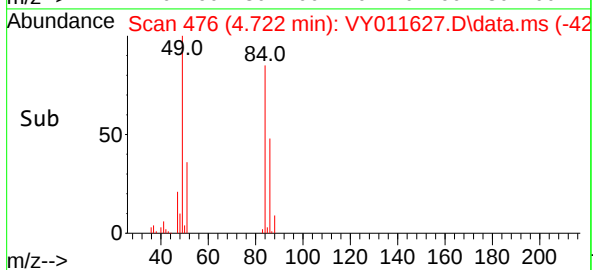
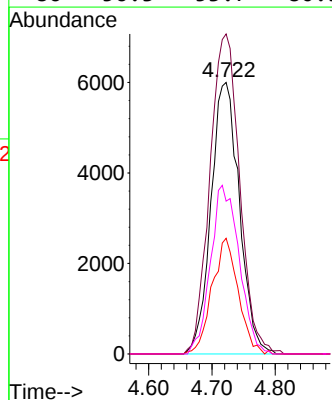
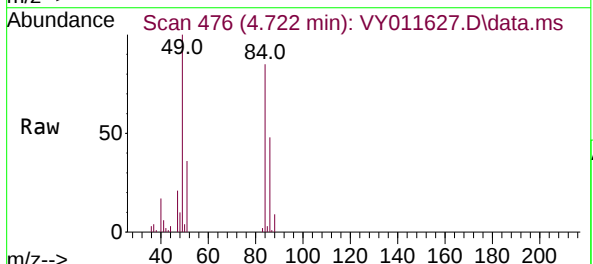
Instrument :
MSVOA_Y
ClientSampleId :
MH-16

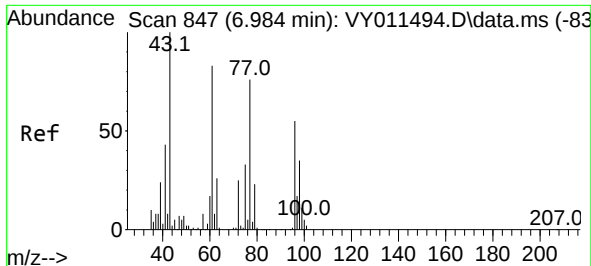
Tgt Ion: 43 Resp: 227
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY011627.D
Acq: 29 Nov 2022 17:09

Tgt Ion: 84 Resp: 18666
Ion Ratio Lower Upper
84 100
49 117.8 114.4 171.6
51 42.6 35.3 52.9
86 56.3 53.7 80.5

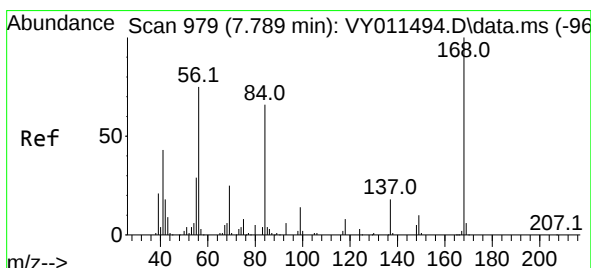
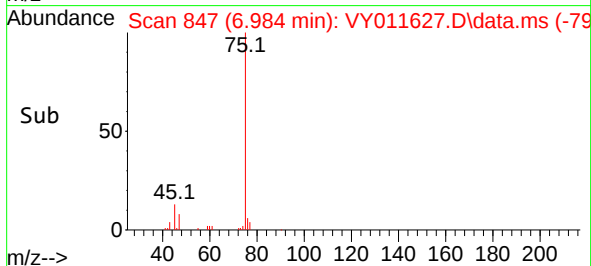
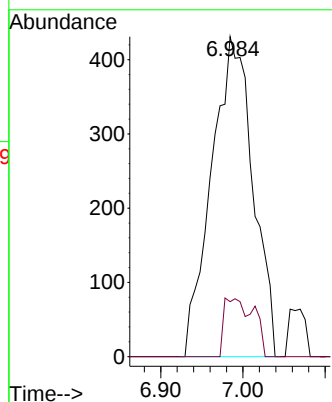
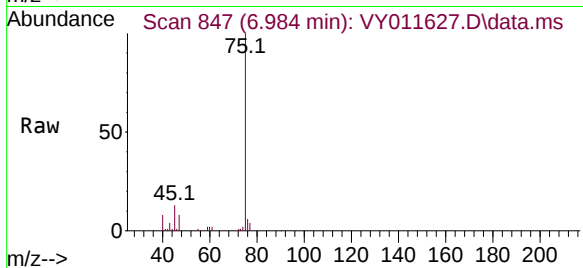




#25
2-Butanone
Concen: 1.831 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY011627.D
Acq: 29 Nov 2022 17:09

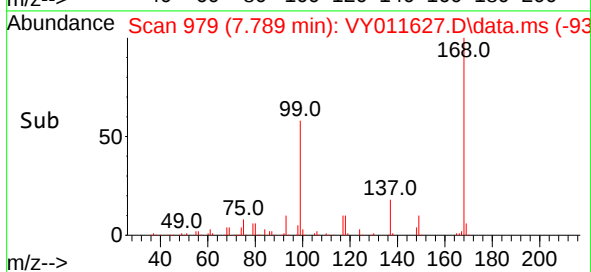
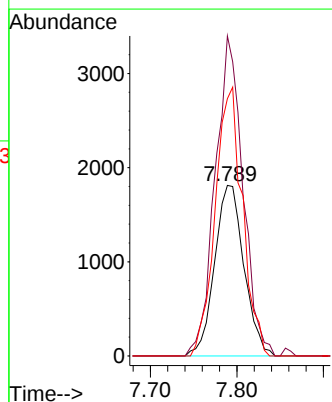
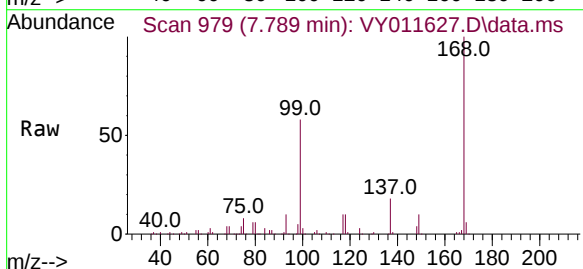
Instrument :
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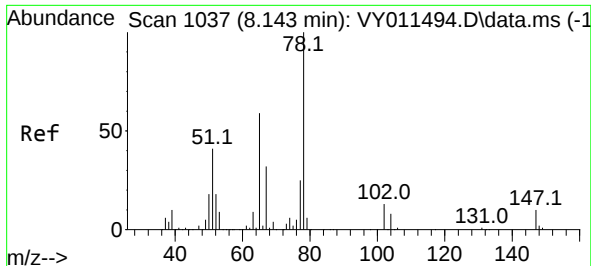
Tgt Ion: 43 Resp: 1510
Ion Ratio Lower Upper
43 100
72 17.2 17.7 26.5#



#31
Cyclohexane
Concen: 1.331 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY011627.D
Acq: 29 Nov 2022 17:09

Tgt Ion: 56 Resp: 4262
Ion Ratio Lower Upper
56 100
69 187.7 26.7 40.1#
84 150.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 68.123 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011627.D

Acq: 29 Nov 2022 17:09

Instrument :

MSVOA_Y

ClientSampleId :

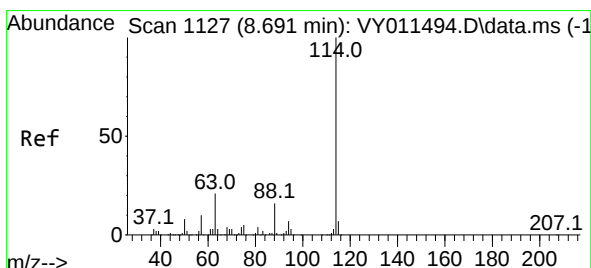
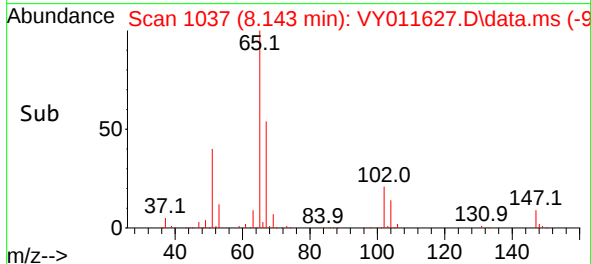
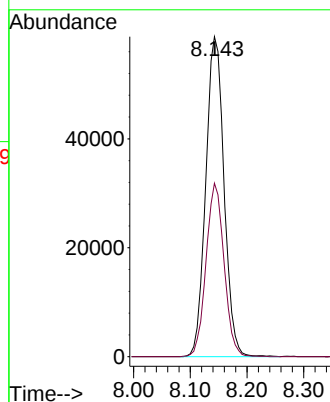
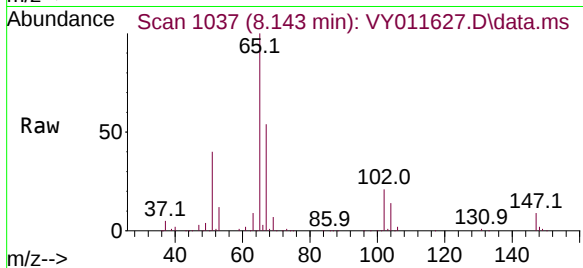
MH-16

Tgt Ion: 65 Resp: 131637

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. 0.000 min

Lab File: VY011627.D

Acq: 29 Nov 2022 17:09

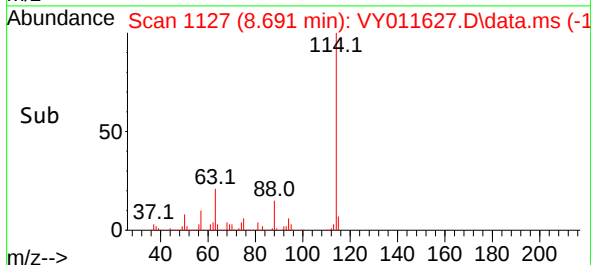
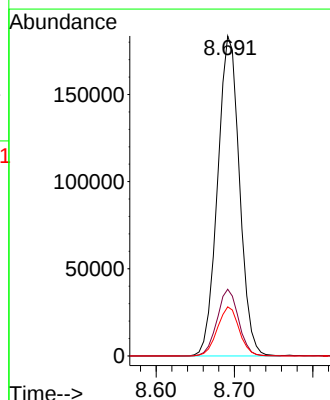
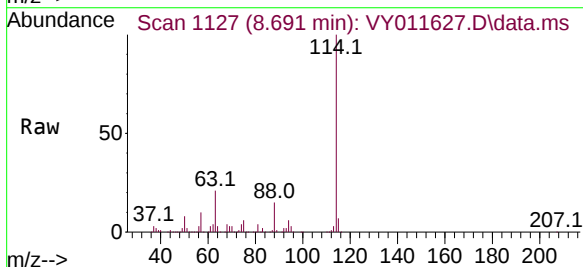
Tgt Ion: 114 Resp: 356484

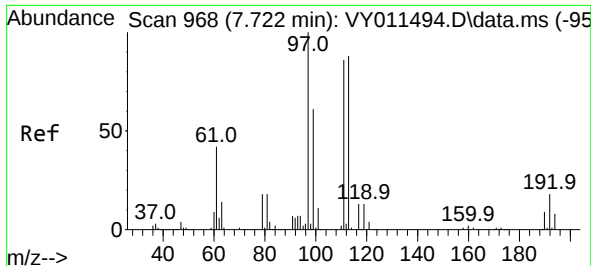
Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

88 15.3 0.0 31.8

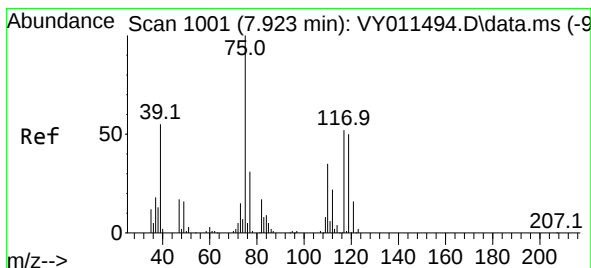
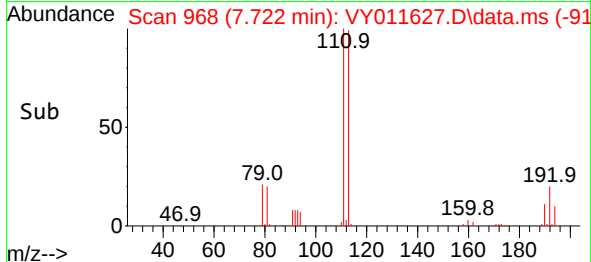
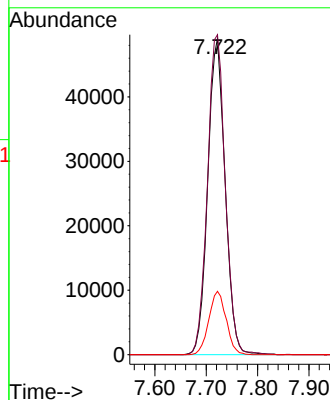
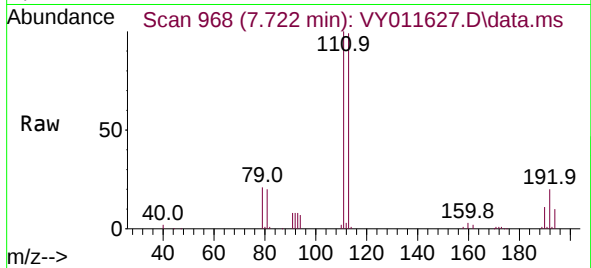




#35
Dibromofluoromethane
Concen: 52.370 ug/l
RT: 7.722 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011627.D
Acq: 29 Nov 2022 17:09

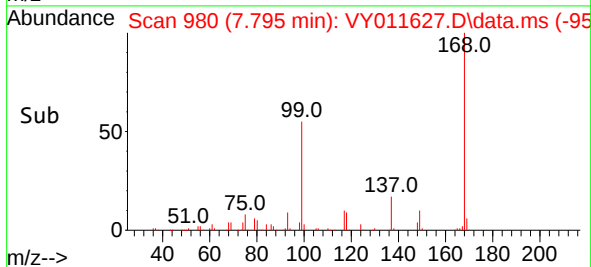
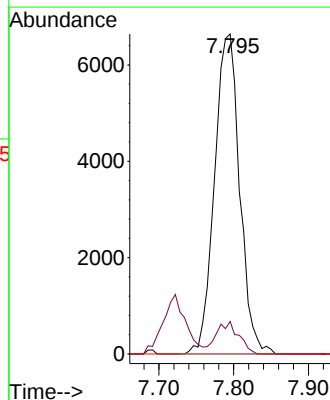
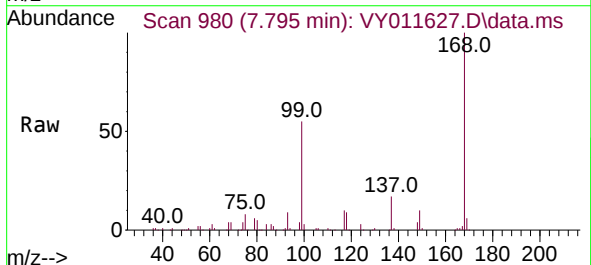
Instrument :
MSVOA_Y
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MH-16

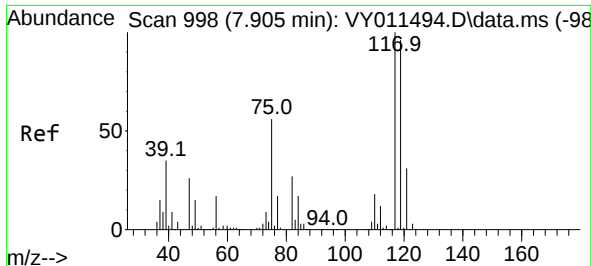
Tgt Ion:113 Resp: 114925
Ion Ratio Lower Upper
113 100
111 104.0 82.6 124.0
192 20.1 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.526 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY011627.D
Acq: 29 Nov 2022 17:09

Tgt Ion: 75 Resp: 15526
Ion Ratio Lower Upper
75 100
110 9.2 17.1 51.2#
77 0.0 24.4 36.6#

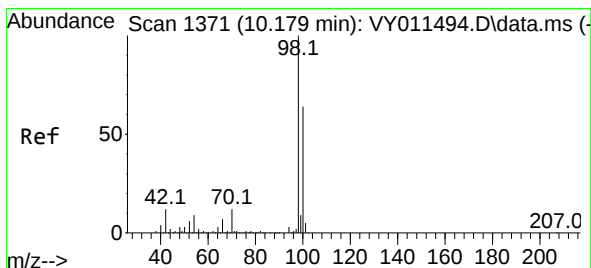
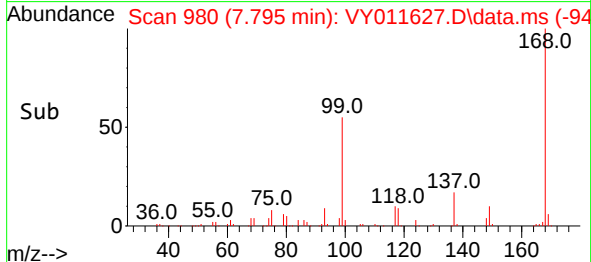
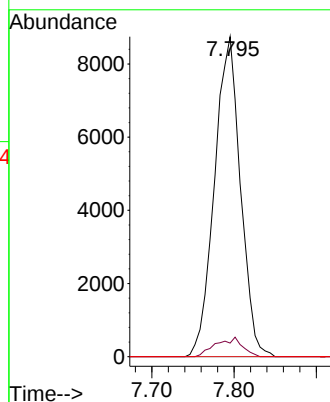
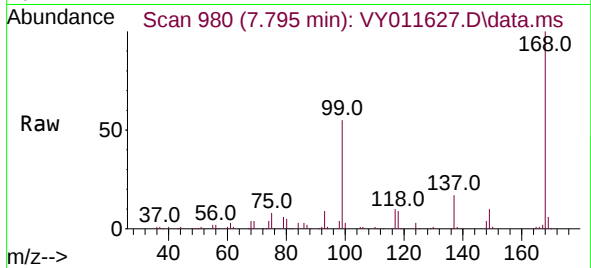




#38
Carbon Tetrachloride
Concen: 5.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011627.D
Acq: 29 Nov 2022 17:09

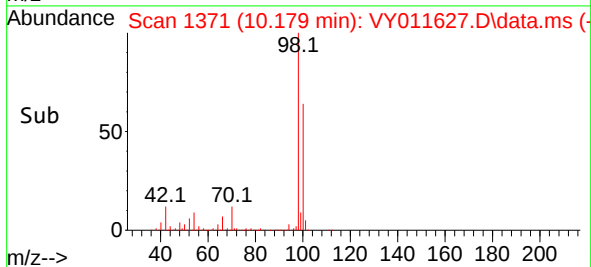
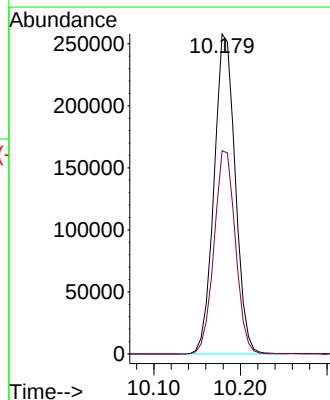
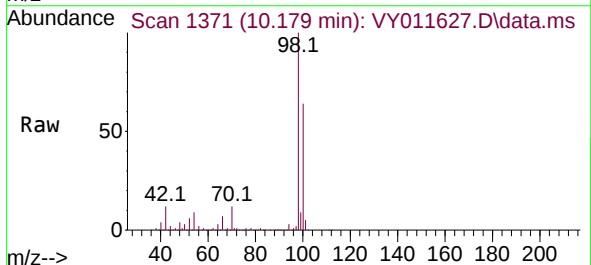
Instrument :
MSVOA_Y
ClientSampleId :
MH-16

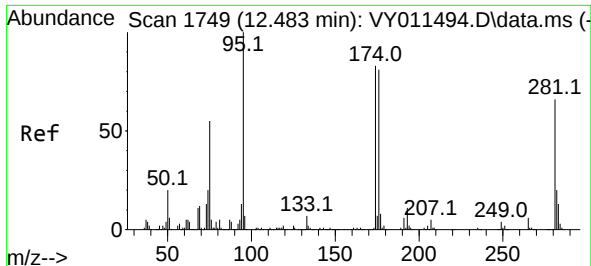
Tgt Ion:117 Resp: 19187
Ion Ratio Lower Upper
117 100
119 4.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.963 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011627.D
Acq: 29 Nov 2022 17:09

Tgt Ion: 98 Resp: 438307
Ion Ratio Lower Upper
98 100
100 64.2 50.2 75.2

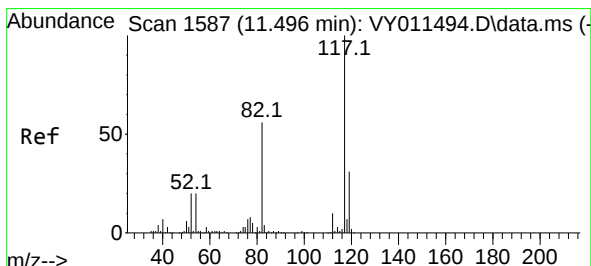
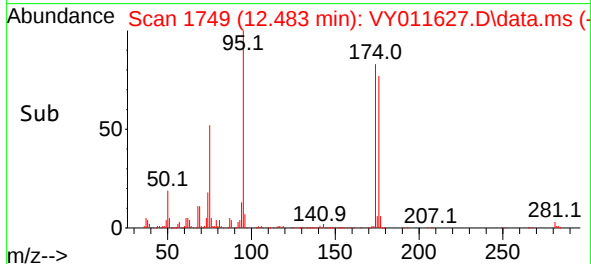
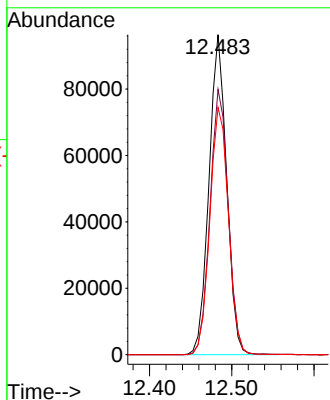
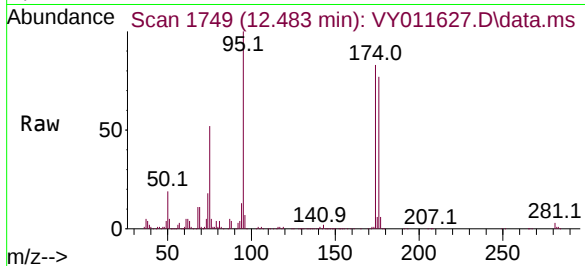




#62
4-Bromofluorobenzene
Concen: 48.862 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011627.D
Acq: 29 Nov 2022 17:09

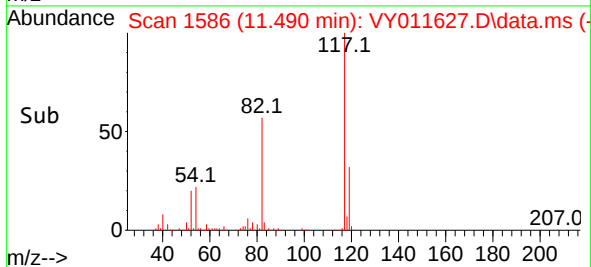
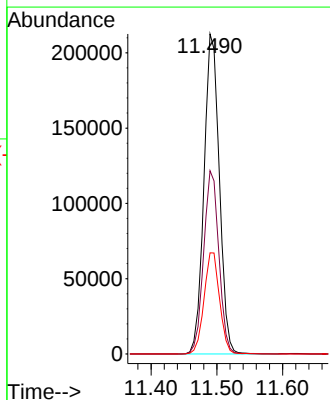
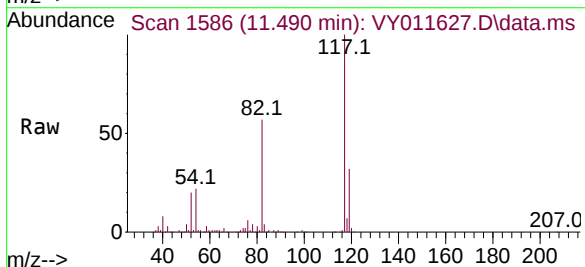
Instrument :
MSVOA_Y
ClientSampleId :
MH-16

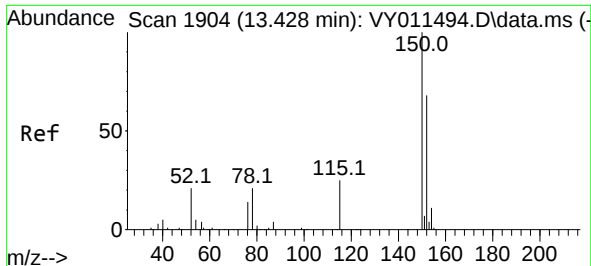
Tgt Ion: 95 Resp: 144068
Ion Ratio Lower Upper
95 100
174 85.5 0.0 177.0
176 81.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY011627.D
Acq: 29 Nov 2022 17:09

Tgt Ion: 117 Resp: 345362
Ion Ratio Lower Upper
117 100
82 57.3 43.0 64.4
119 31.6 25.4 38.0

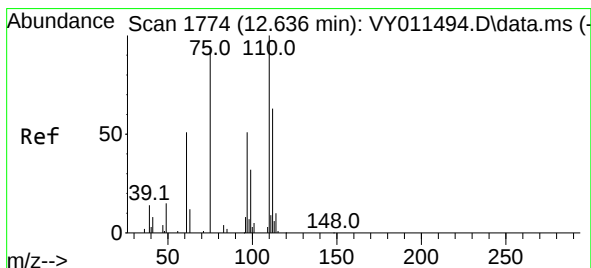
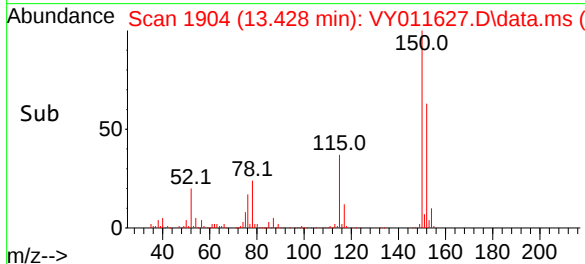
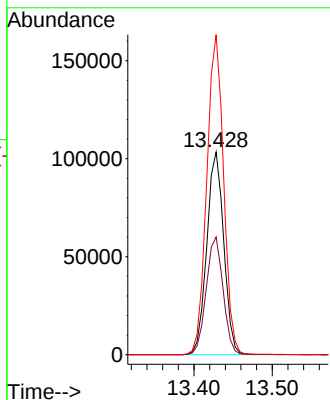
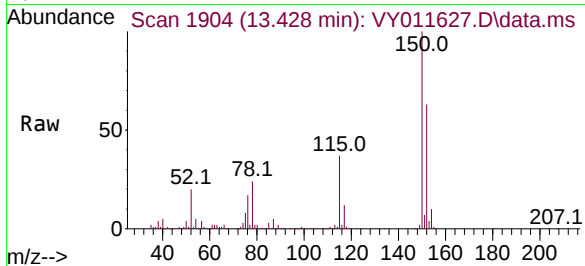




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY011627.D
 Acq: 29 Nov 2022 17:09

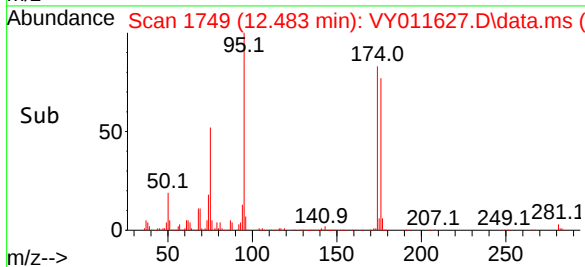
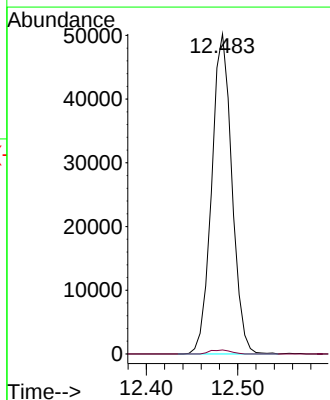
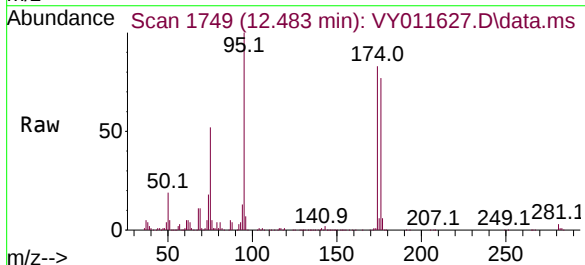
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-16

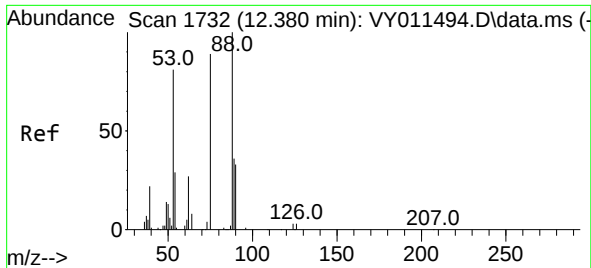
Tgt Ion:152 Resp: 155362
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.2 84.7
 150 156.8 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 46.107 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY011627.D
 Acq: 29 Nov 2022 17:09

Tgt Ion: 75 Resp: 77144
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.990 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY011627.D
 Acq: 29 Nov 2022 17:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-16

Tgt Ion: 75 Resp: 77144
 Ion Ratio Lower Upper
 75 100
 53 0.2 85.3 127.9#
 89 0.0 37.0 55.4#

