

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011827.D
 Acq On : 14 Dec 2022 05:24
 Operator : KP/MD
 Sample : N6037-23
 Misc : 5.85g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-28-(2.5-4.5)

Quant Time: Dec 14 06:16:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

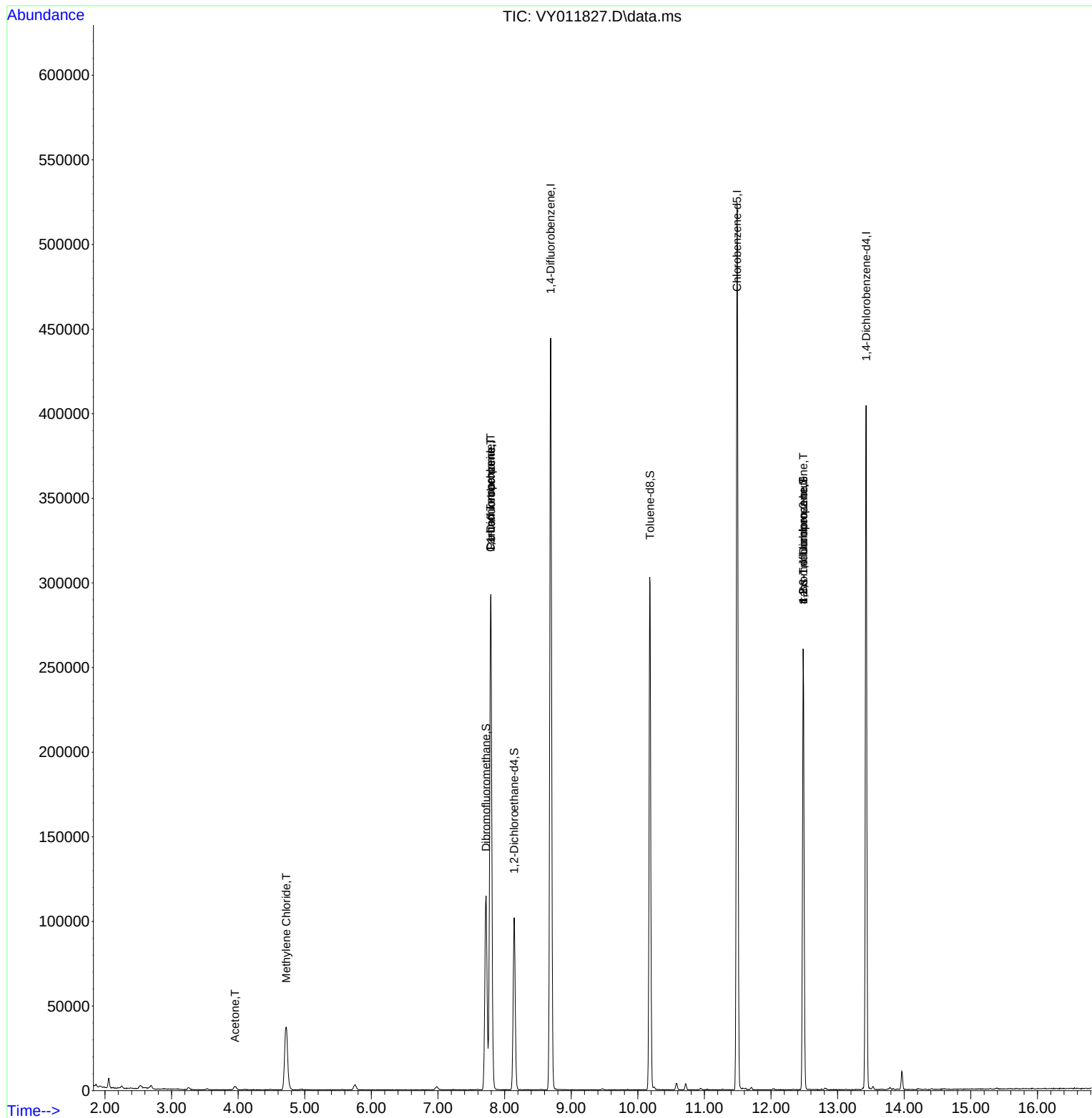
Internal Standards						
1) Pentafluorobenzene	7.795	168	229149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	375769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	292346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	104979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	78745	50.397	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.800%	
35) Dibromofluoromethane	7.722	113	80989	48.385	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.760%	
50) Toluene-d8	10.185	98	206331	35.811	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 71.620%	
62) 4-Bromofluorobenzene	12.483	95	69170	29.915	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 59.820%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	142	Below Cal	#	41
5) Bromomethane	2.668	94	235	Below Cal	#	75
11) Tert butyl alcohol	4.954	59	267	Below Cal	#	74
16) Acetone	3.954	43	3816	6.099	ug/l	97
18) Methyl Acetate	4.491	43	580	Below Cal	#	73
20) Methylene Chloride	4.722	84	29607	8.405	ug/l	98
31) Cyclohexane	7.795	56	4563	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	16634	5.833	ug/l	# 49
38) Carbon Tetrachloride	7.789	117	22715	6.782	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	36593	34.453	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	36593	78.181	ug/l	# 13

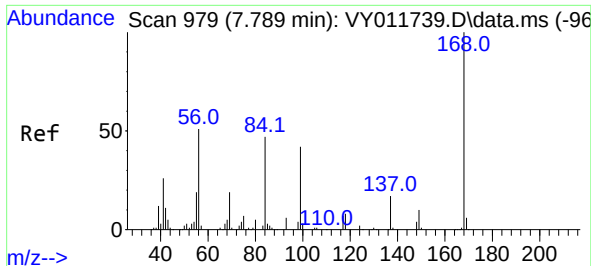
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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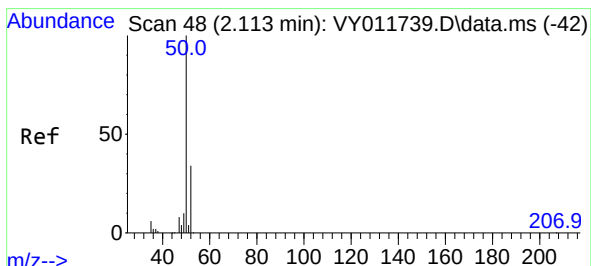
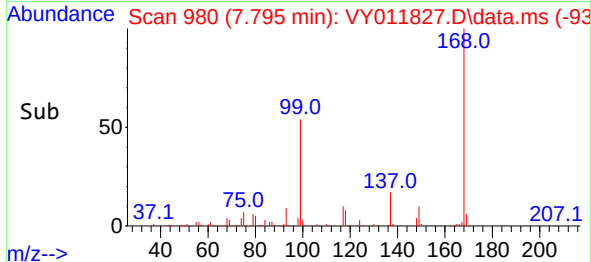
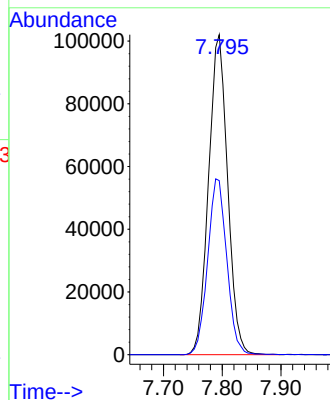
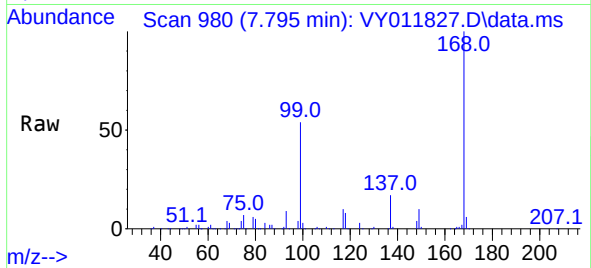




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011827.D
Acq: 14 Dec 2022 05:24

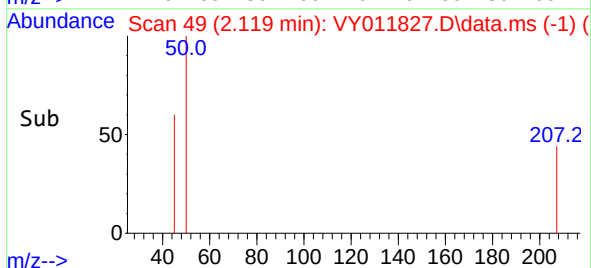
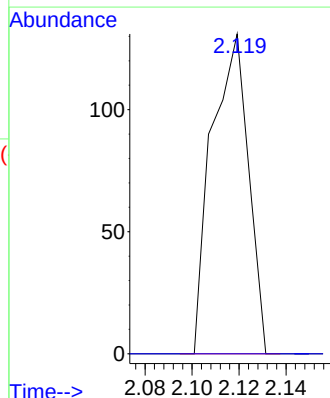
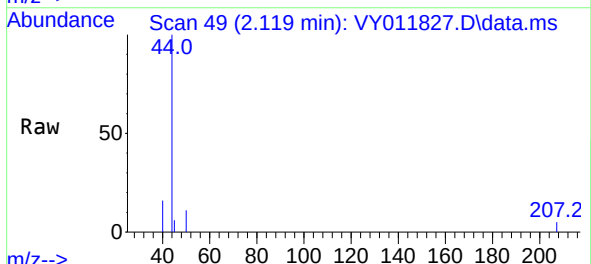
Instrument :
MSVOA_Y
ClientSampleId :
RB-28-(2.5-4.5)

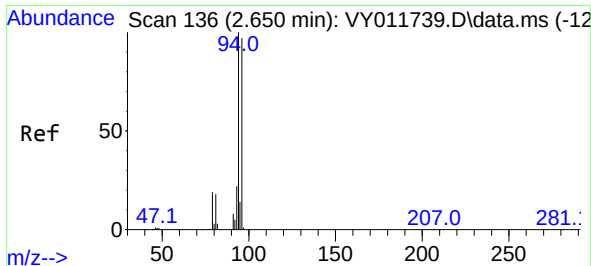
Tgt Ion:168 Resp: 229149
Ion Ratio Lower Upper
168 100
99 54.4 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011827.D
Acq: 14 Dec 2022 05:24

Tgt Ion: 50 Resp: 142
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

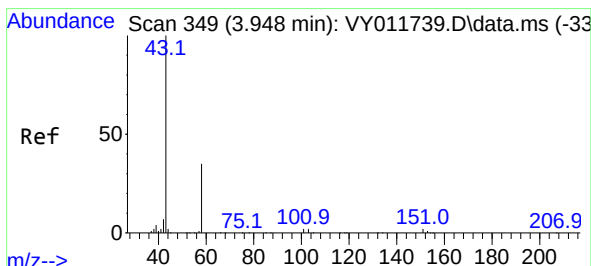
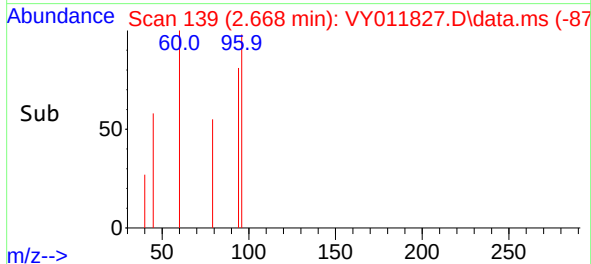
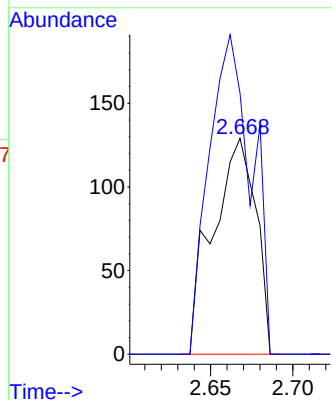
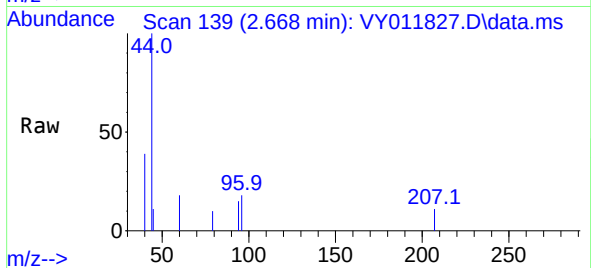




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY011827.D
Acq: 14 Dec 2022 05:24

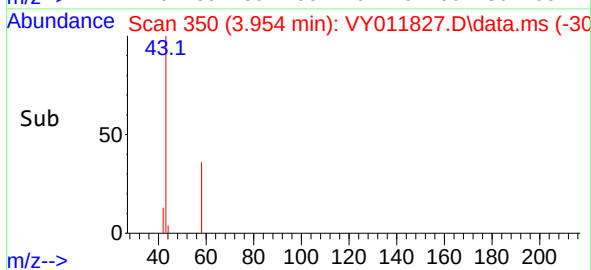
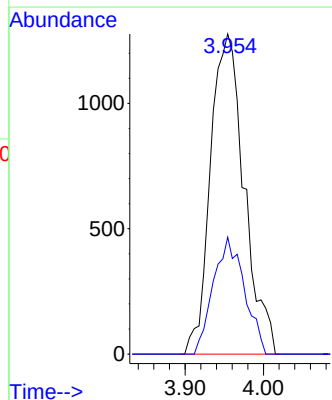
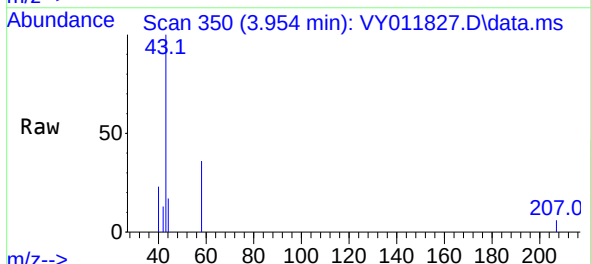
Instrument :
MSVOA_Y
ClientSampleId :
RB-28-(2.5-4.5)

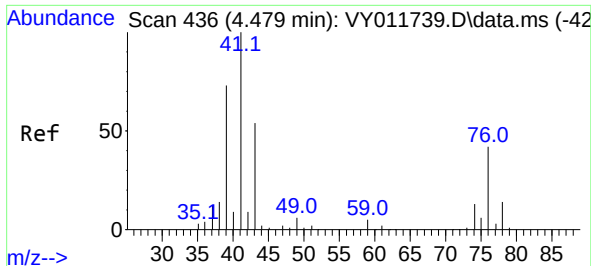
Tgt Ion: 94 Resp: 235
Ion Ratio Lower Upper
94 100
96 120.9 77.4 116.2#



#16
Acetone
Concen: 6.099 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY011827.D
Acq: 14 Dec 2022 05:24

Tgt Ion: 43 Resp: 3816
Ion Ratio Lower Upper
43 100
58 36.5 27.9 41.9

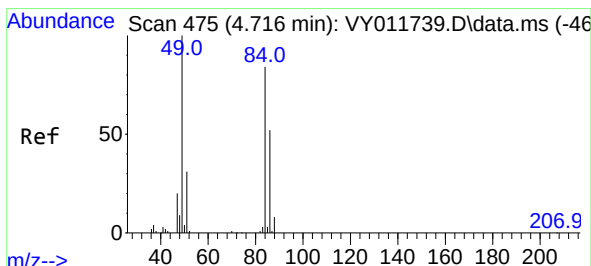
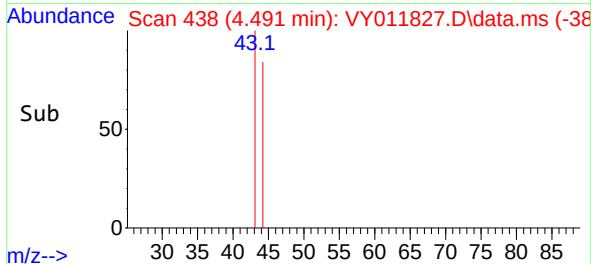
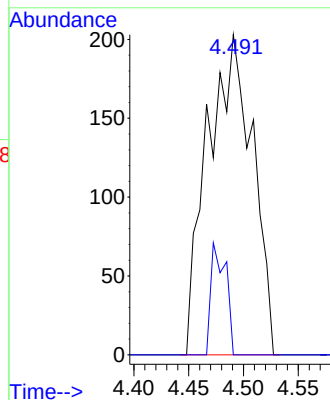
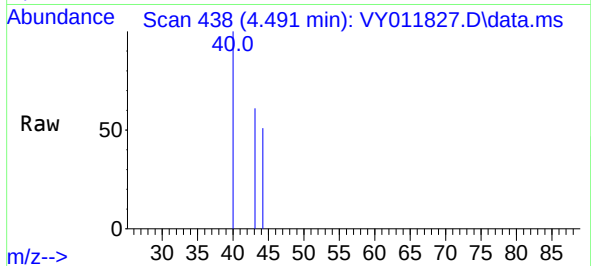




#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY011827.D
Acq: 14 Dec 2022 05:24

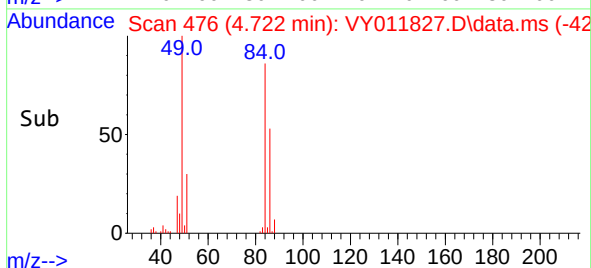
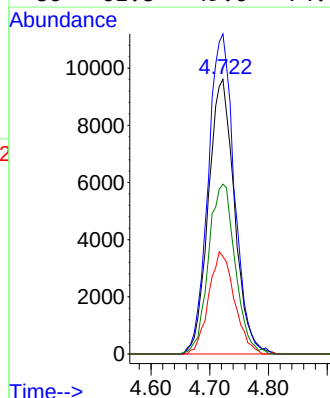
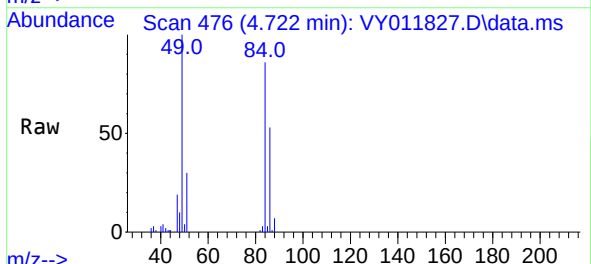
Instrument :
MSVOA_Y
ClientSampleId :
RB-28-(2.5-4.5)

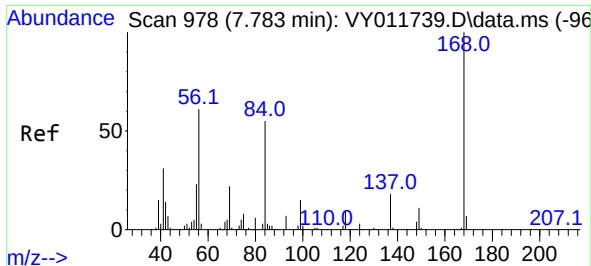
Tgt Ion: 43 Resp: 580
Ion Ratio Lower Upper
43 100
74 11.6 20.1 30.1#



#20
Methylene Chloride
Concen: 8.405 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY011827.D
Acq: 14 Dec 2022 05:24

Tgt Ion: 84 Resp: 29607
Ion Ratio Lower Upper
84 100
49 116.5 95.4 143.2
51 35.5 29.9 44.9
86 61.8 49.6 74.4

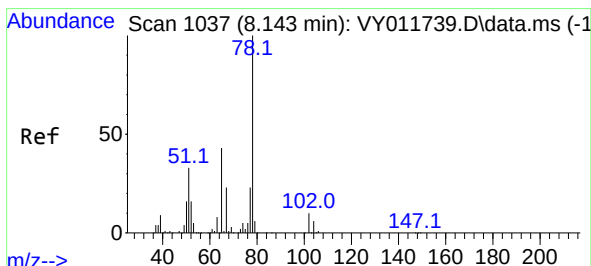
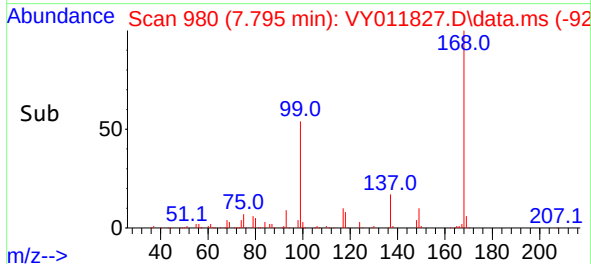
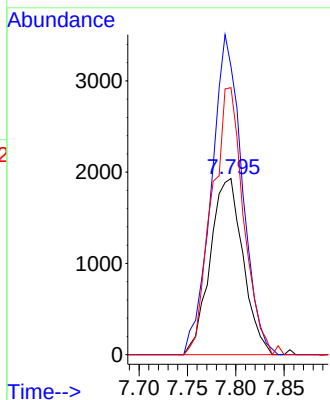
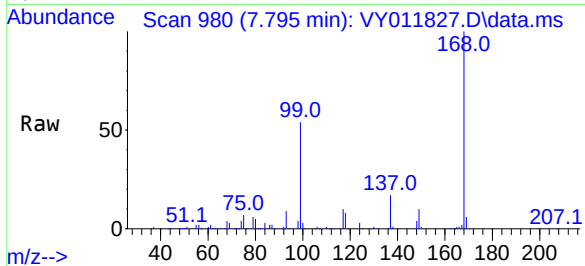




#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY011827.D
Acq: 14 Dec 2022 05:24

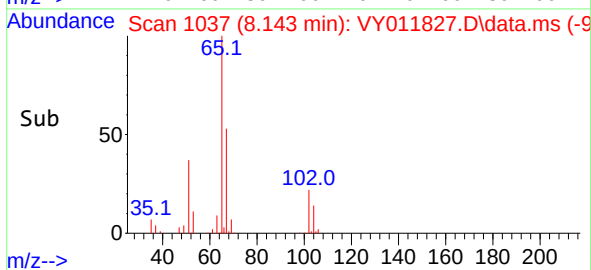
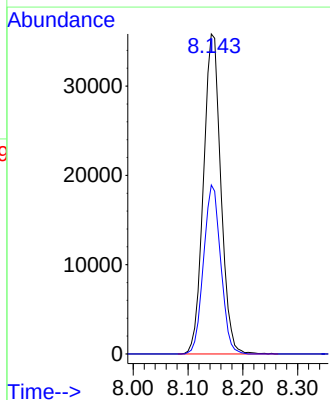
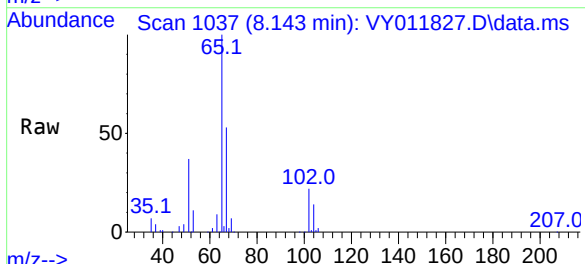
Instrument :
MSVOA_Y
ClientSampleId :
RB-28-(2.5-4.5)

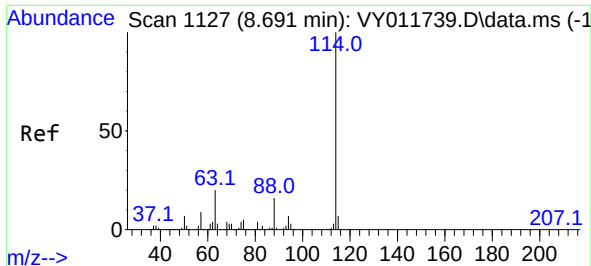
Tgt Ion: 56 Resp: 4563
Ion Ratio Lower Upper
56 100
69 163.5 29.2 43.8#
84 151.6 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 50.397 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011827.D
Acq: 14 Dec 2022 05:24

Tgt Ion: 65 Resp: 78745
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011827.D

Acq: 14 Dec 2022 05:24

Instrument :

MSVOA_Y

ClientSampleId :

RB-28-(2.5-4.5)

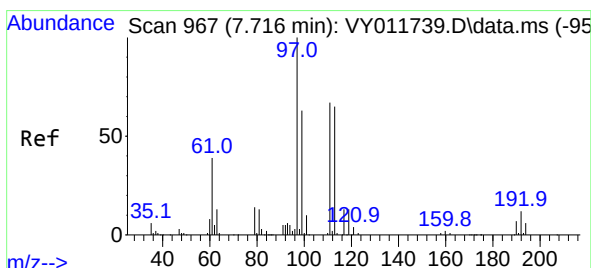
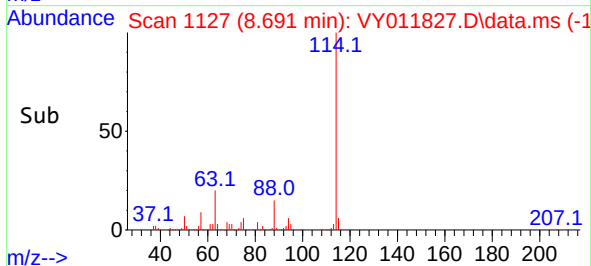
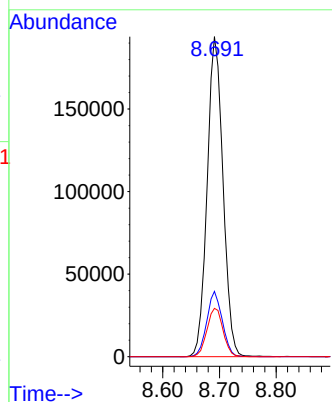
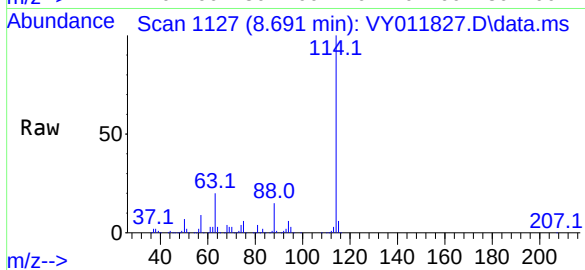
Tgt Ion:114 Resp: 375769

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.6

88 15.1 0.0 32.2



#35

Dibromofluoromethane

Concen: 48.385 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY011827.D

Acq: 14 Dec 2022 05:24

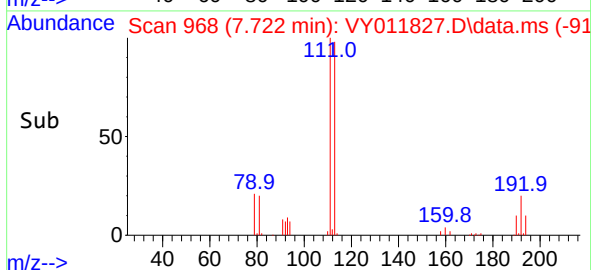
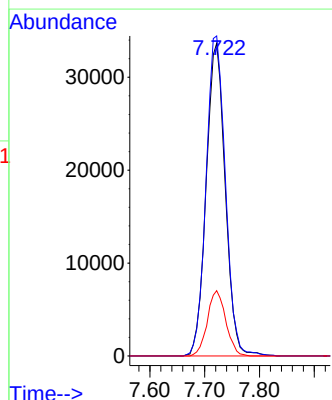
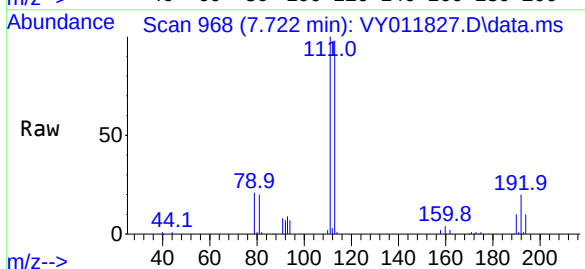
Tgt Ion:113 Resp: 80989

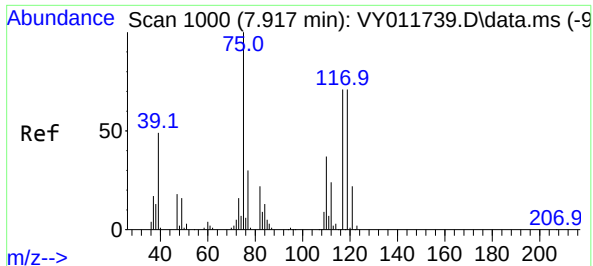
Ion Ratio Lower Upper

113 100

111 103.9 83.0 124.4

192 20.2 16.0 24.0





#36

1,1-Dichloropropene

Concen: 5.833 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011827.D

Acq: 14 Dec 2022 05:24

Instrument :

MSVOA_Y

ClientSampleId :

RB-28-(2.5-4.5)

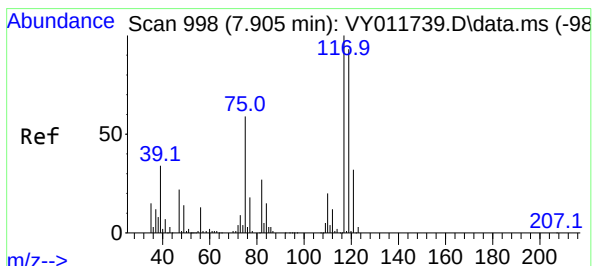
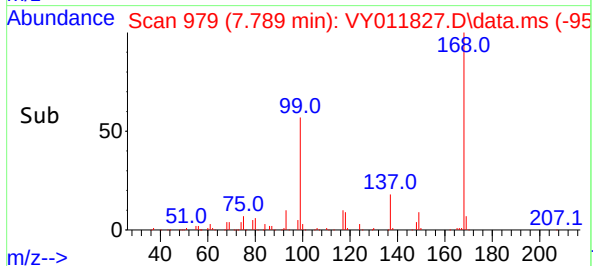
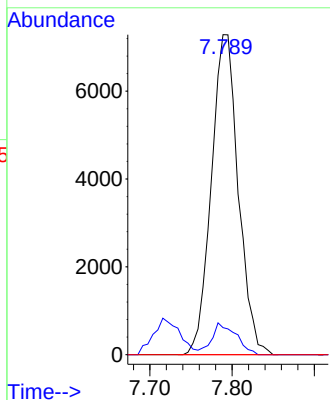
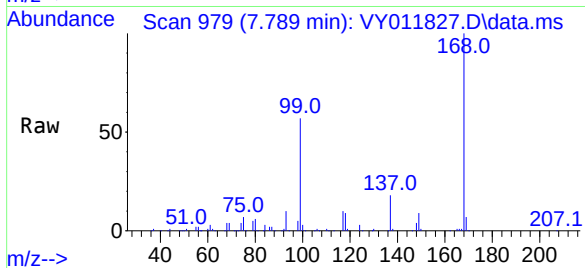
Tgt Ion: 75 Resp: 16634

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.782 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011827.D

Acq: 14 Dec 2022 05:24

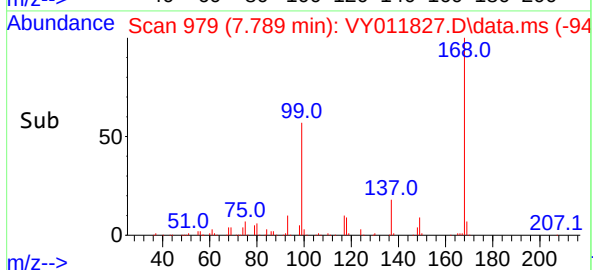
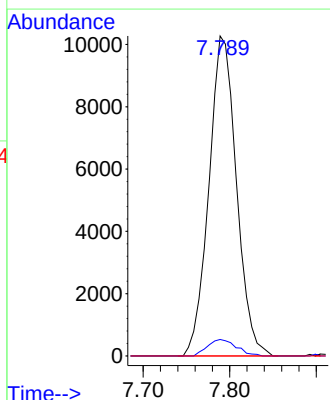
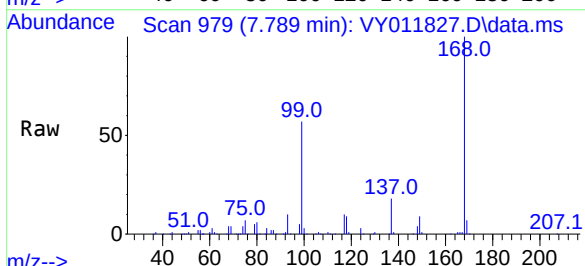
Tgt Ion: 117 Resp: 22715

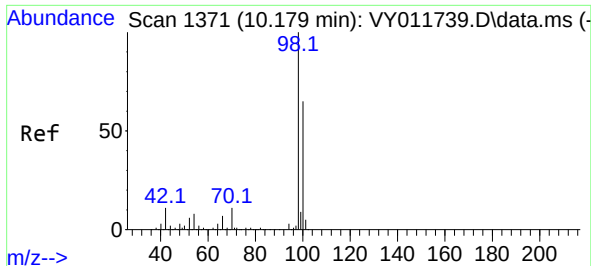
Ion Ratio Lower Upper

117 100

119 5.1 73.8 110.8#

121 0.0 25.2 37.8#

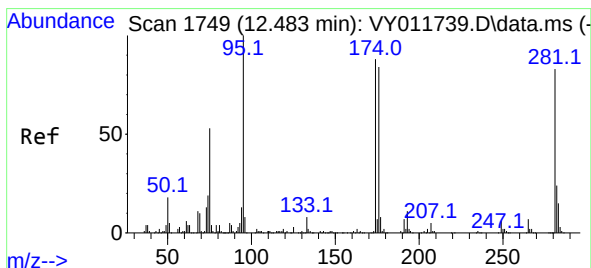
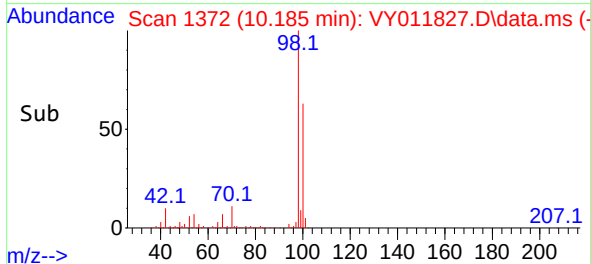
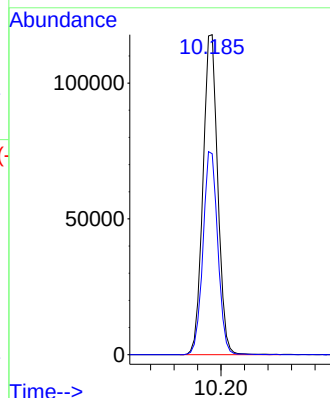
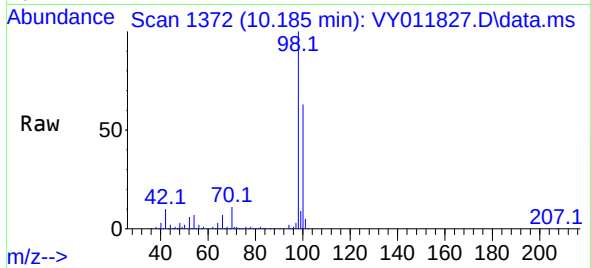




#50
Toluene-d8
Concen: 35.811 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011827.D
Acq: 14 Dec 2022 05:24

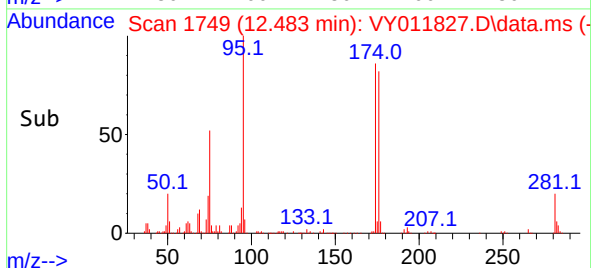
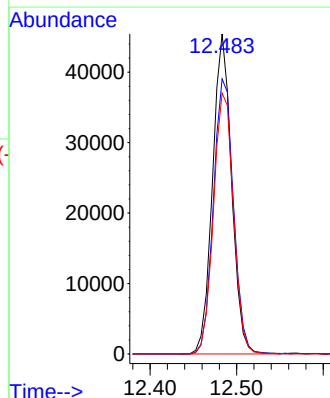
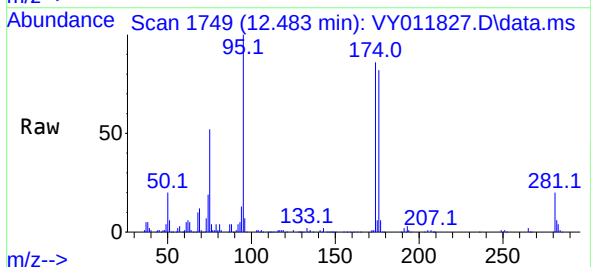
Instrument :
MSVOA_Y
ClientSampleId :
RB-28-(2.5-4.5)

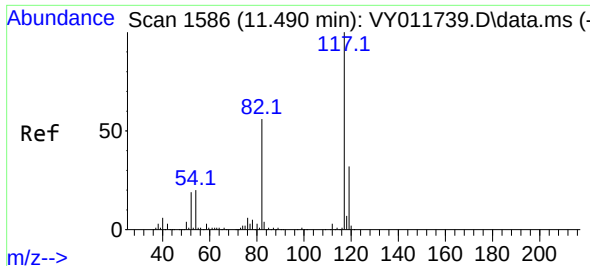
Tgt Ion: 98 Resp: 206331
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 29.915 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011827.D
Acq: 14 Dec 2022 05:24

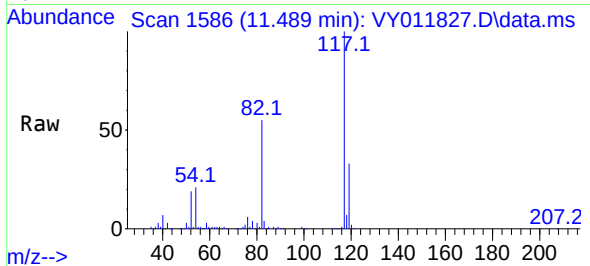
Tgt Ion: 95 Resp: 69170
Ion Ratio Lower Upper
95 100
174 90.8 0.0 172.0
176 86.0 0.0 167.6



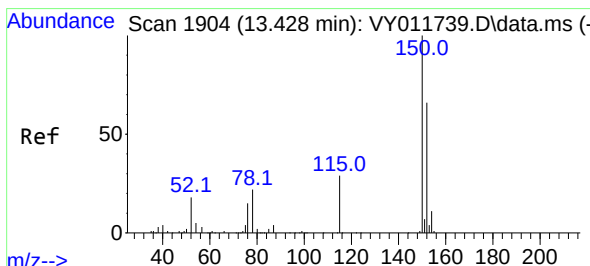
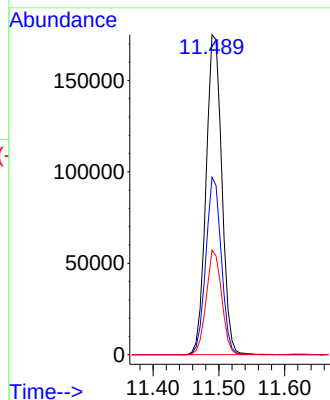
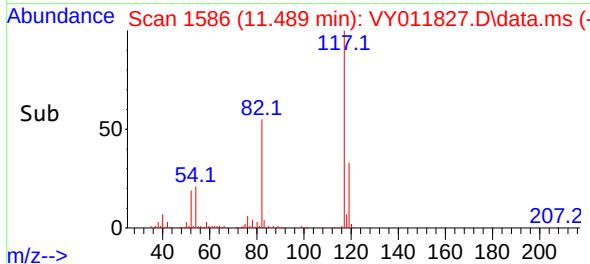


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011827.D
Acq: 14 Dec 2022 05:24

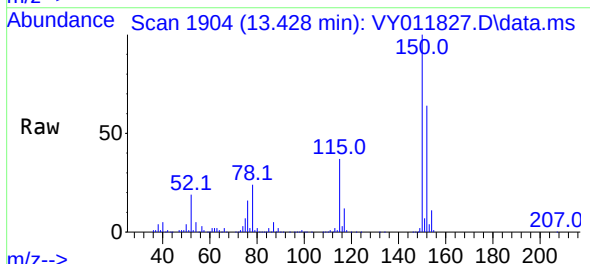
Instrument :
MSVOA_Y
ClientSampleId :
RB-28-(2.5-4.5)



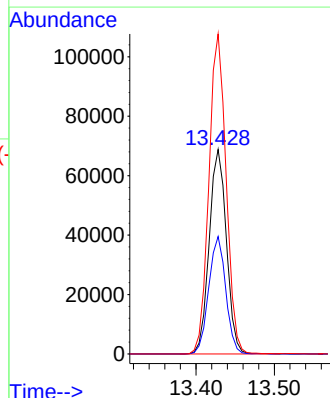
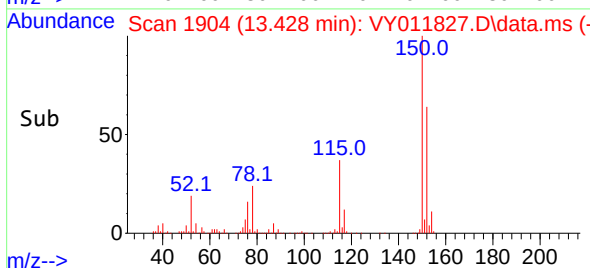
Tgt Ion:117 Resp: 292346
Ion Ratio Lower Upper
117 100
82 55.5 44.8 67.2
119 32.6 25.4 38.2

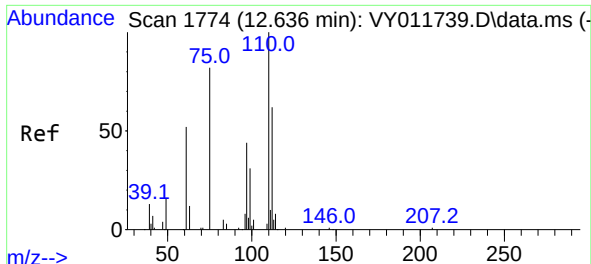


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011827.D
Acq: 14 Dec 2022 05:24



Tgt Ion:152 Resp: 104979
Ion Ratio Lower Upper
152 100
115 56.6 29.1 87.3
150 156.5 0.0 342.6

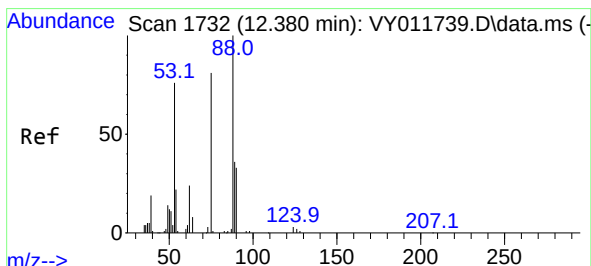
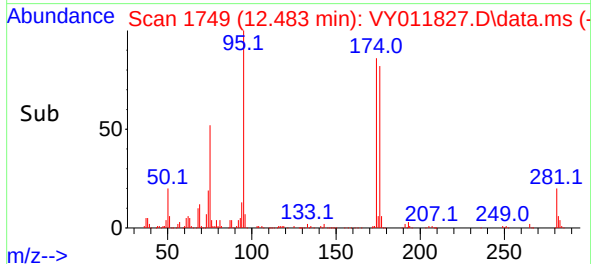
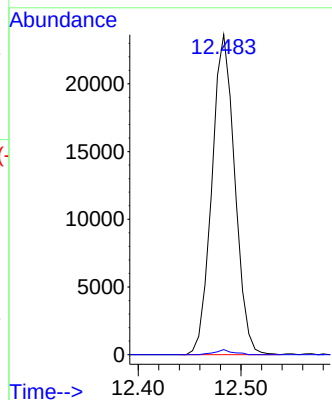
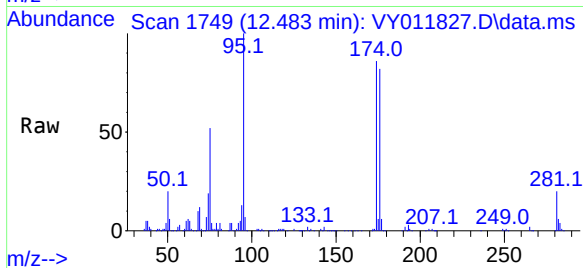




#76
1,2,3-Trichloropropane
Concen: 34.453 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011827.D
Acq: 14 Dec 2022 05:24

Instrument :
MSVOA_Y
ClientSampleId :
RB-28-(2.5-4.5)

Tgt Ion: 75 Resp: 36593
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.181 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011827.D
Acq: 14 Dec 2022 05:24

Tgt Ion: 75 Resp: 36593
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.3 37.0 55.4#

