

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011825.D
 Acq On : 14 Dec 2022 04:38
 Operator : KP/MD
 Sample : N6037-21
 Misc : 5.62g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-27-(2.5-4.5)

Quant Time: Dec 14 05:38:45 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)

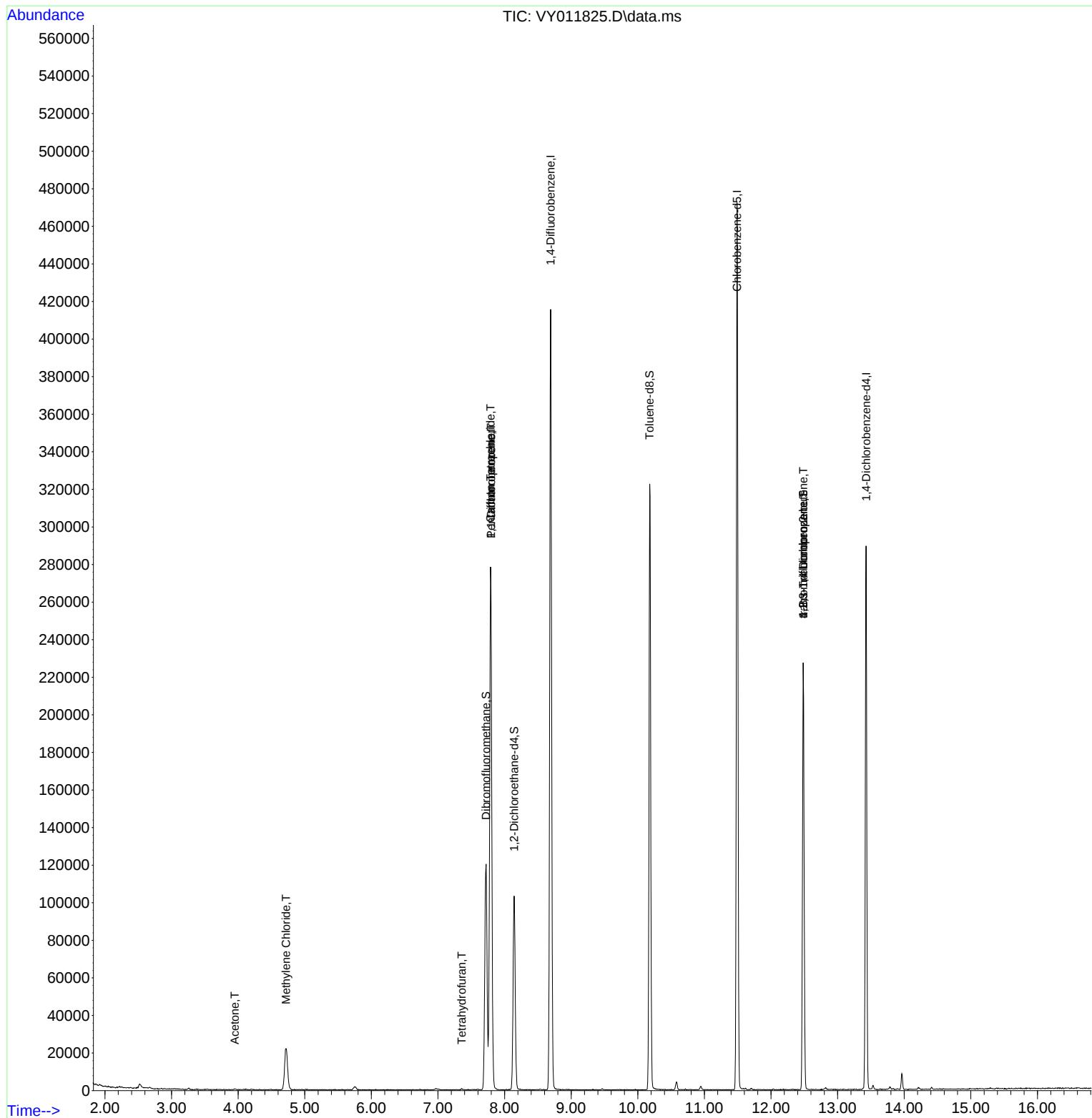
Internal Standards						
1) Pentafluorobenzene	7.795	168	216226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	352512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	256798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	75479	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	81522	55.807	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.620%			
35) Dibromofluoromethane	7.722	113	86207	55.468	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.940%			
50) Toluene-d8	10.179	98	217583	41.206	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 82.420%			
62) 4-Bromofluorobenzene	12.483	95	60263	27.424	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 54.840%			
Target Compounds						Qvalue
3) Chloromethane	2.107	50	44	Below Cal	#	41
5) Bromomethane	2.668	94	139	Below Cal	#	60
11) Tert butyl alcohol	4.960	59	87	Below Cal	#	74
16) Acetone	3.948	43	718	1.216	ug/l	89
18) Methyl Acetate	4.472	43	296	Below Cal	#	50
20) Methylene Chloride	4.716	84	17425	2.738	ug/l	97
29) Tetrahydrofuran	7.356	42	451	1.043	ug/l #	56
31) Cyclohexane	7.789	56	4218	Below Cal	#	1
36) 1,1-Dichloropropene	7.795	75	16280	6.086	ug/l #	49
38) Carbon Tetrachloride	7.789	117	21202	6.747	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	31445	41.177	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	31445	93.440	ug/l #	13

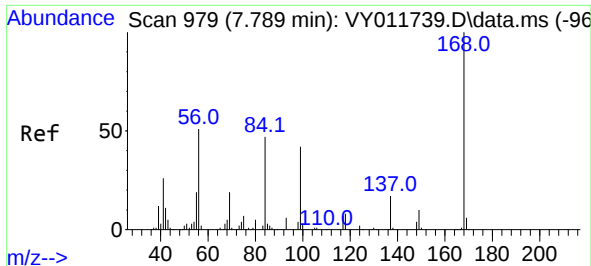
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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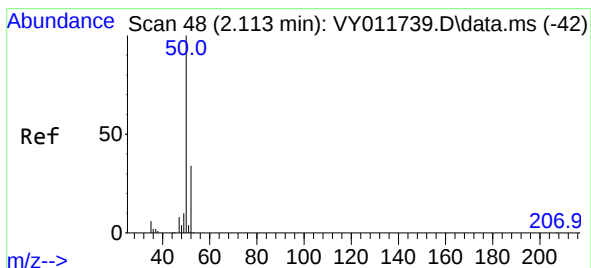
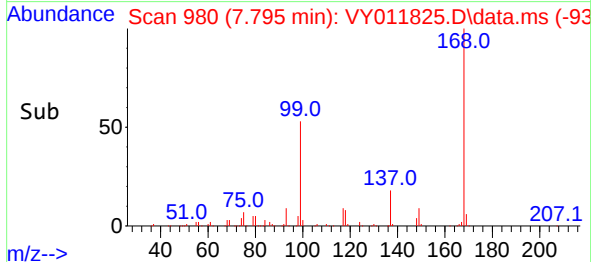
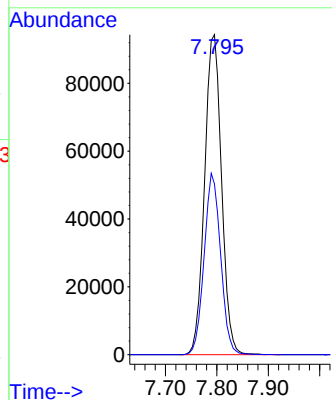
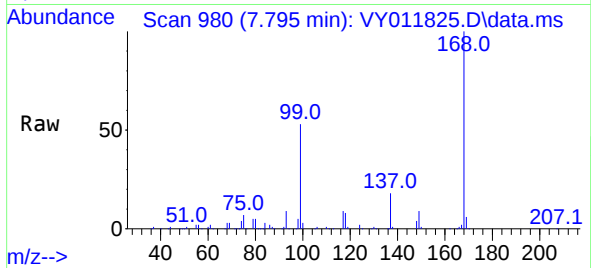




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011825.D
Acq: 14 Dec 2022 04:38

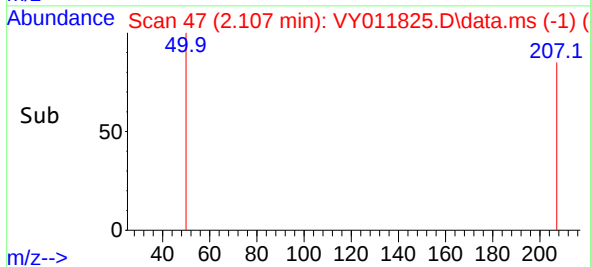
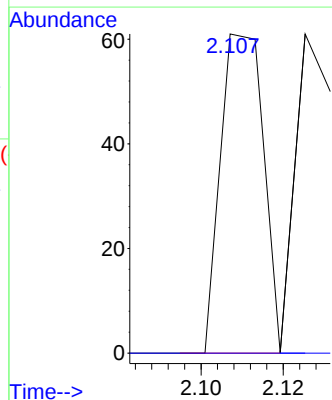
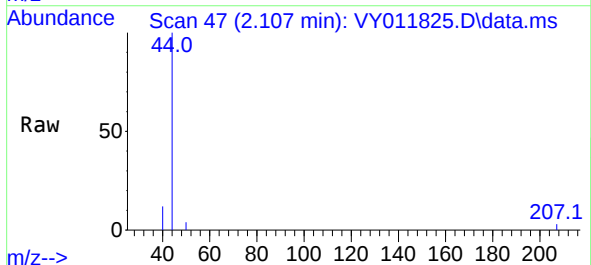
Instrument :
MSVOA_Y
ClientSampleId :
RB-27-(2.5-4.5)

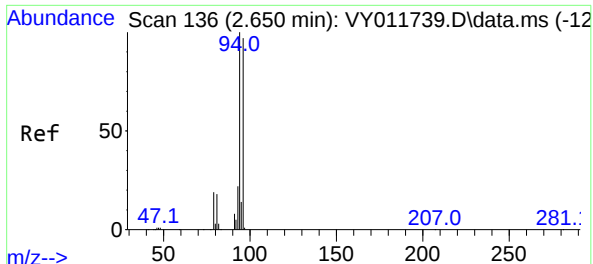
Tgt Ion:168 Resp: 216226
Ion Ratio Lower Upper
168 100
99 53.4 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY011825.D
Acq: 14 Dec 2022 04:38

Tgt Ion: 50 Resp: 44
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

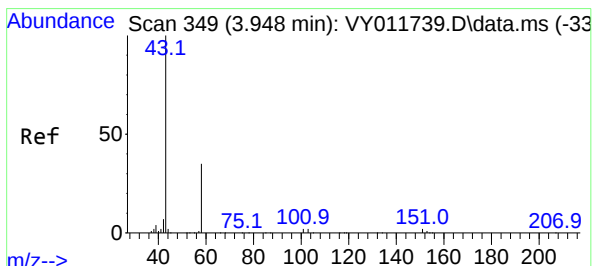
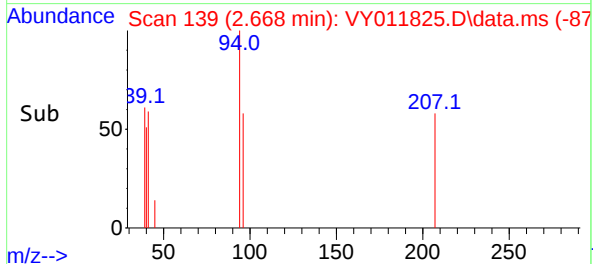
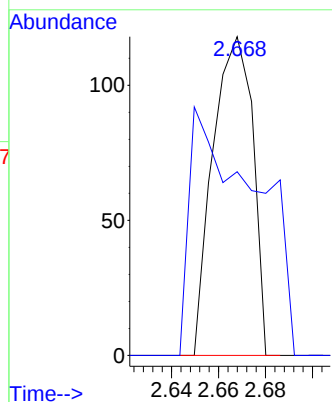
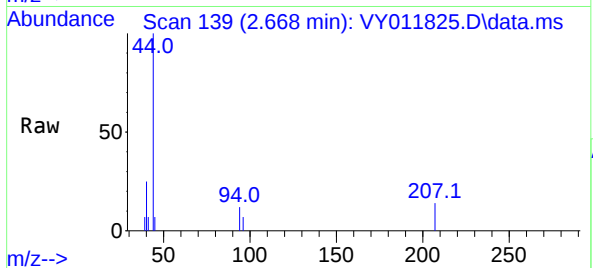




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY011825.D
Acq: 14 Dec 2022 04:38

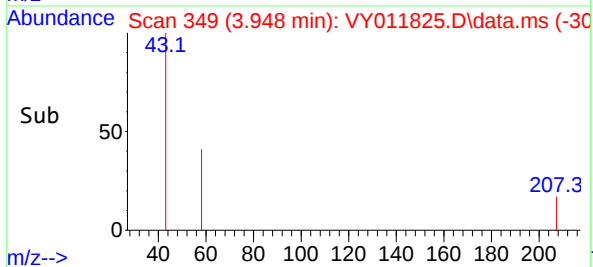
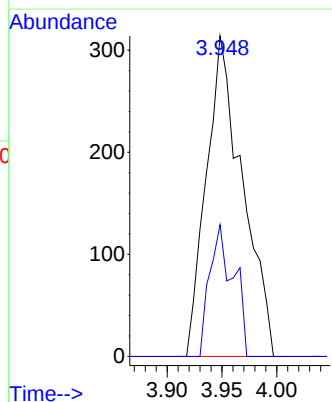
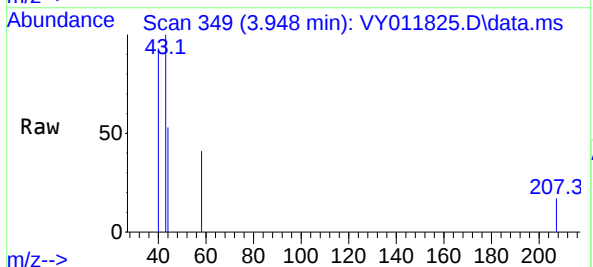
Instrument :
MSVOA_Y
ClientSampleId :
RB-27-(2.5-4.5)

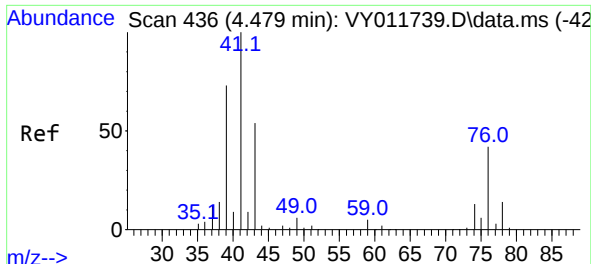
Tgt Ion: 94 Resp: 139
Ion Ratio Lower Upper
94 100
96 57.6 77.4 116.2#



#16
Acetone
Concen: 1.216 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY011825.D
Acq: 14 Dec 2022 04:38

Tgt Ion: 43 Resp: 718
Ion Ratio Lower Upper
43 100
58 41.1 27.9 41.9

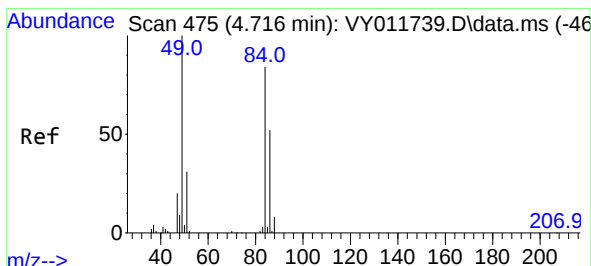
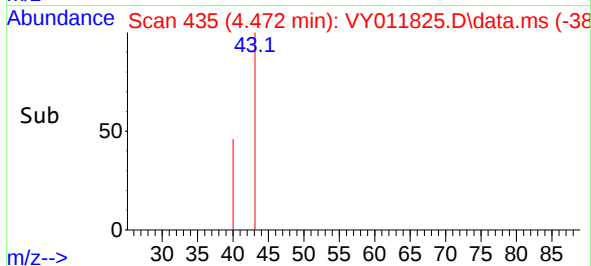
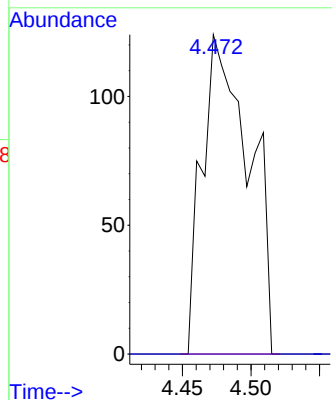
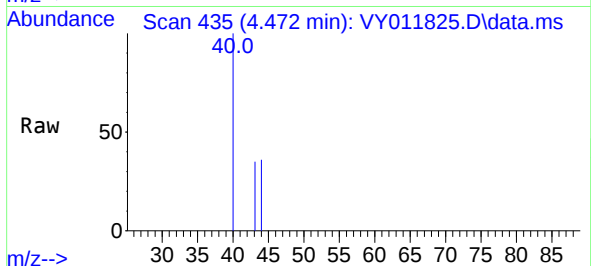




#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 41
Delta R.T. -0.007 min
Lab File: VY011825.D
Acq: 14 Dec 2022 04:38

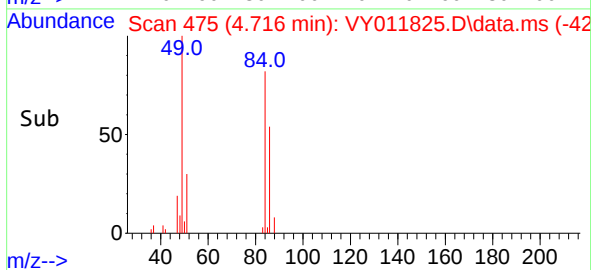
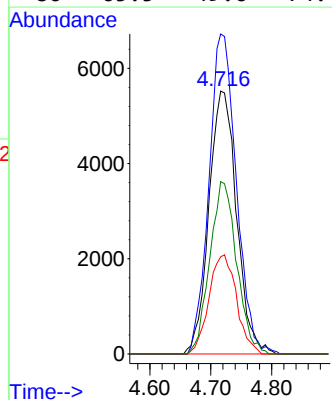
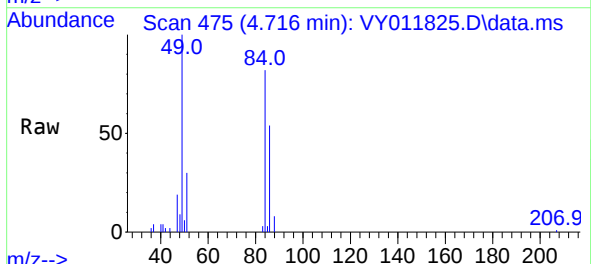
Instrument :
MSVOA_Y
ClientSampleId :
RB-27-(2.5-4.5)

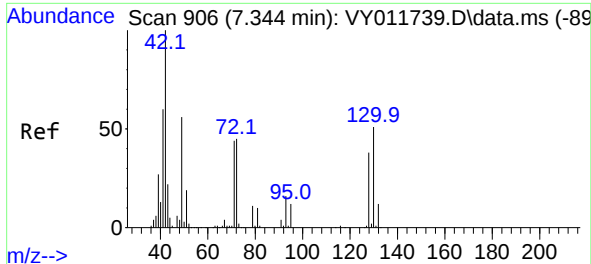
Tgt Ion: 43 Resp: 296
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 2.738 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011825.D
Acq: 14 Dec 2022 04:38

Tgt Ion: 84 Resp: 17425
Ion Ratio Lower Upper
84 100
49 121.7 95.4 143.2
51 36.9 29.9 44.9
86 65.5 49.6 74.4





#29

Tetrahydrofuran

Concen: 1.043 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY011825.D

Acq: 14 Dec 2022 04:38

Instrument :

MSVOA_Y

ClientSampleId :

RB-27-(2.5-4.5)

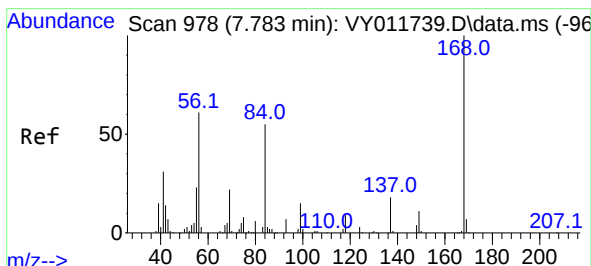
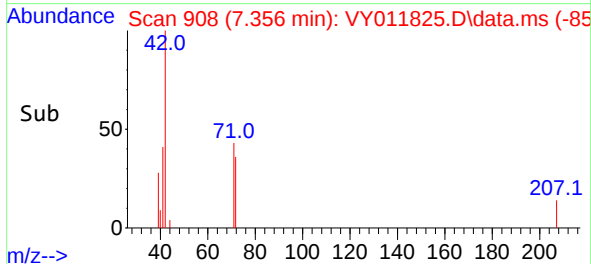
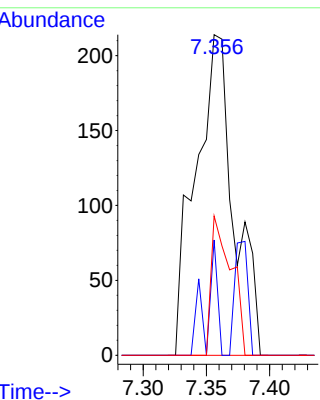
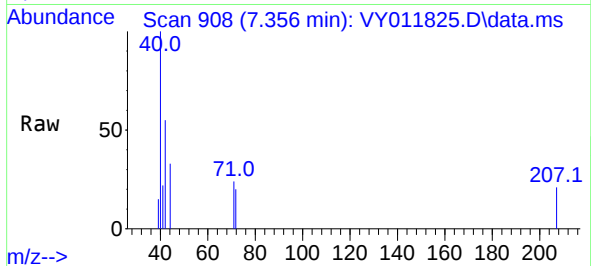
Tgt Ion: 42 Resp: 451

Ion Ratio Lower Upper

42 100

72 10.4 37.0 55.6#

71 22.8 34.9 52.3#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY011825.D

Acq: 14 Dec 2022 04:38

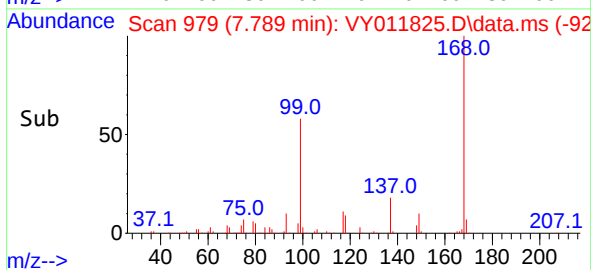
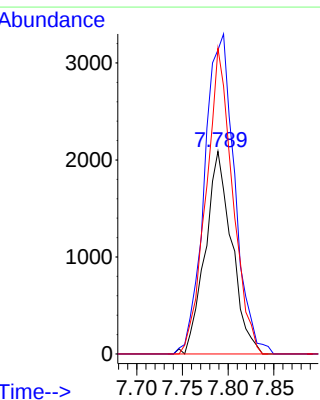
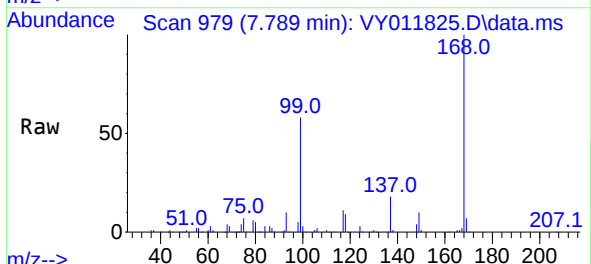
Tgt Ion: 56 Resp: 4218

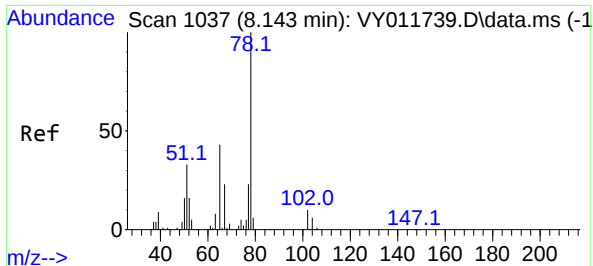
Ion Ratio Lower Upper

56 100

69 150.1 29.2 43.8#

84 150.9 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 55.807 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011825.D

Acq: 14 Dec 2022 04:38

Instrument :

MSVOA_Y

ClientSampleId :

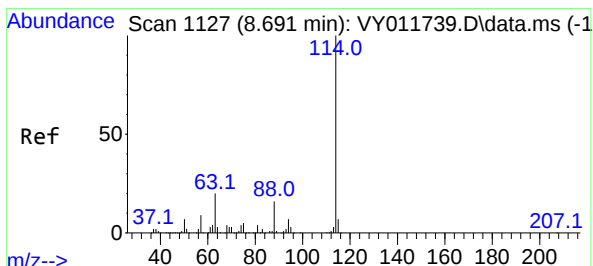
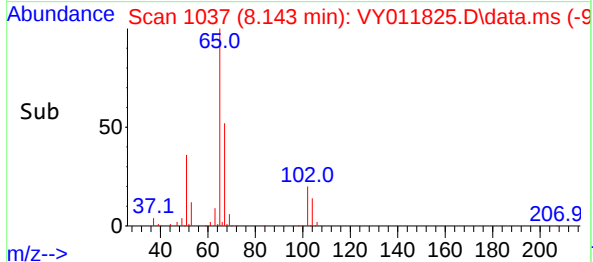
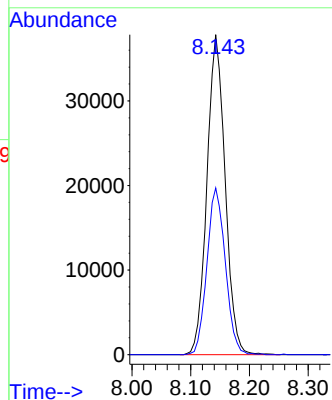
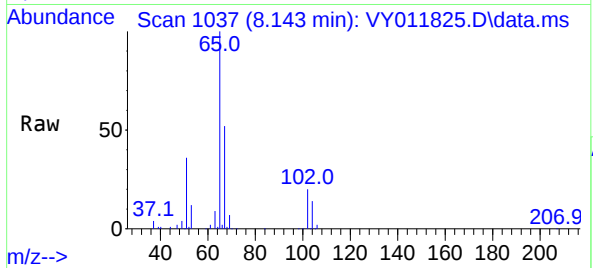
RB-27-(2.5-4.5)

Tgt Ion: 65 Resp: 81522

Ion Ratio Lower Upper

65 100

67 52.5 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: VY011825.D

Acq: 14 Dec 2022 04:38

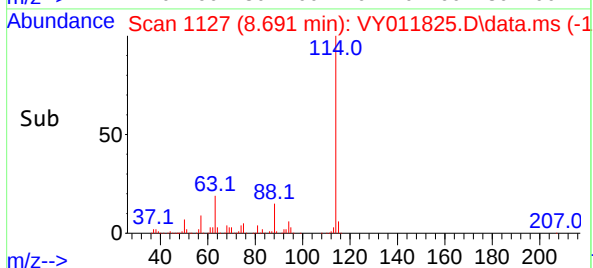
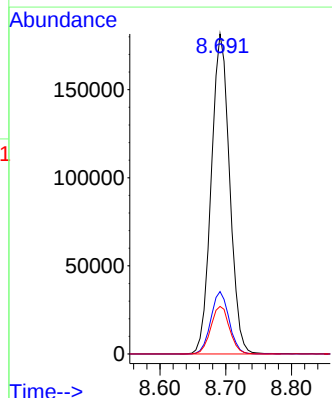
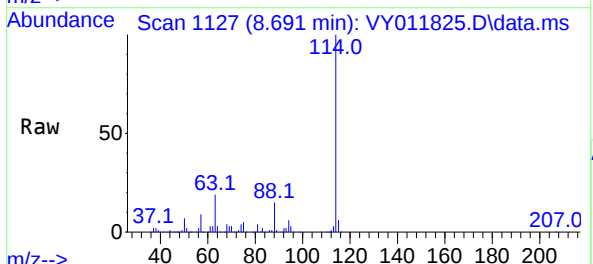
Tgt Ion: 114 Resp: 352512

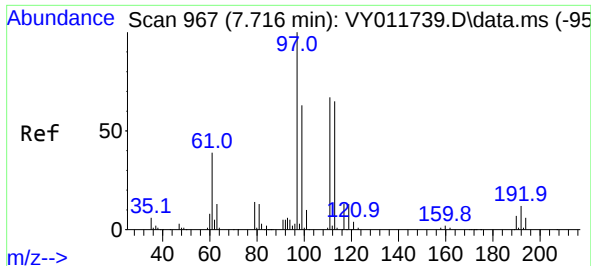
Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.6

88 14.9 0.0 32.2

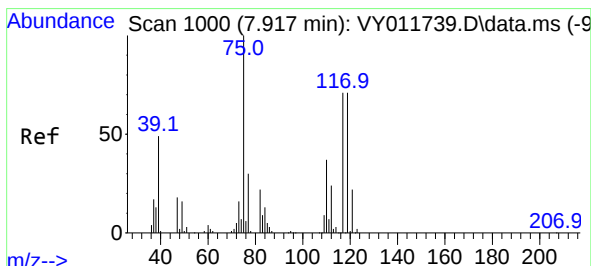
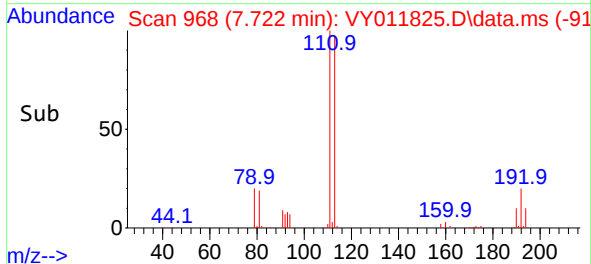
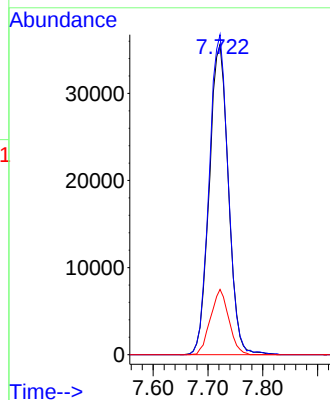
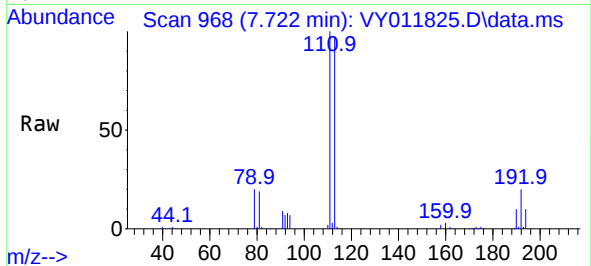




#35
Dibromofluoromethane
Concen: 55.468 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011825.D
Acq: 14 Dec 2022 04:38

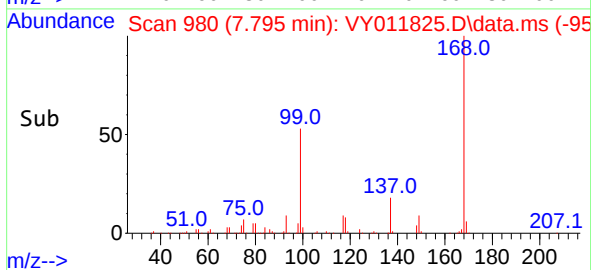
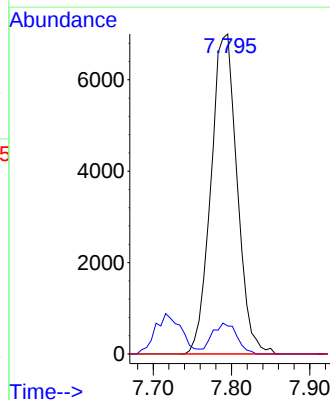
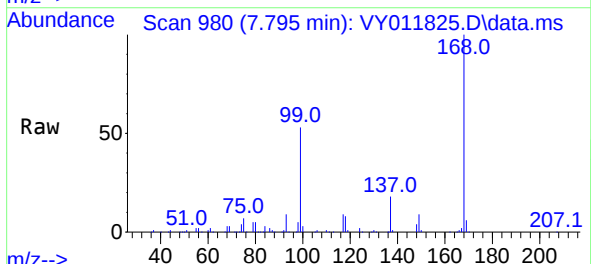
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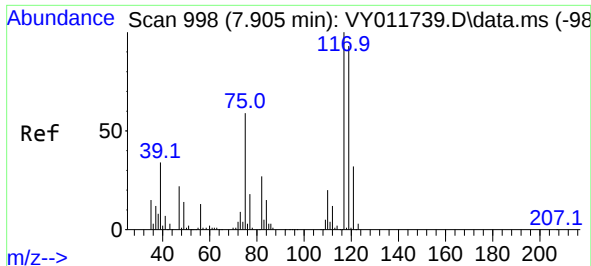
Tgt Ion:113 Resp: 86207
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.4
192 20.2 16.0 24.0



#36
1,1-Dichloropropene
Concen: 6.086 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY011825.D
Acq: 14 Dec 2022 04:38

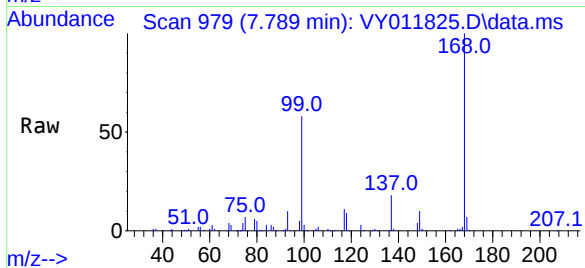
Tgt Ion: 75 Resp: 16280
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.1#
77 0.0 25.1 37.7#



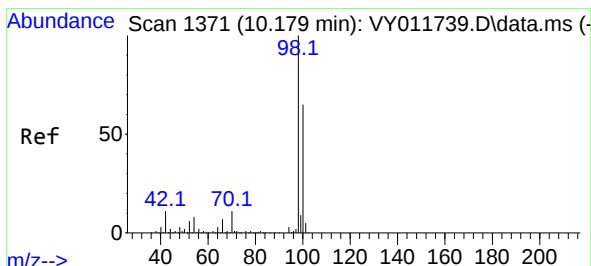
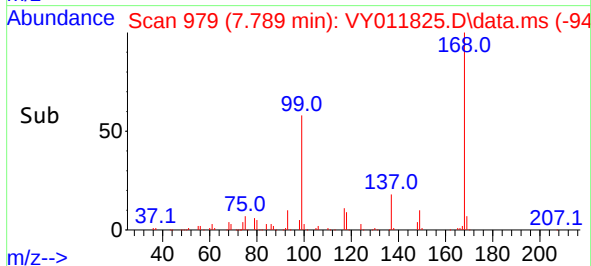
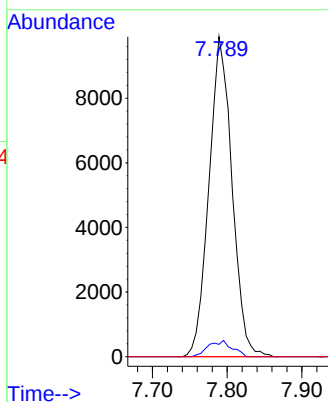


#38
Carbon Tetrachloride
Concen: 6.747 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011825.D
Acq: 14 Dec 2022 04:38

Instrument :
MSVOA_Y
ClientSampleId :
RB-27-(2.5-4.5)

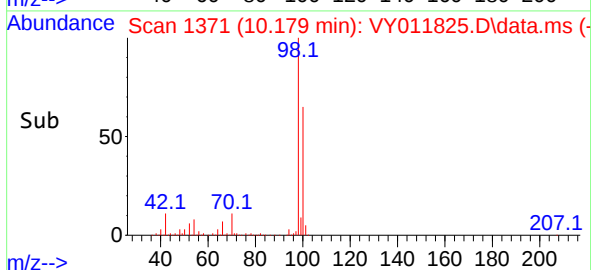
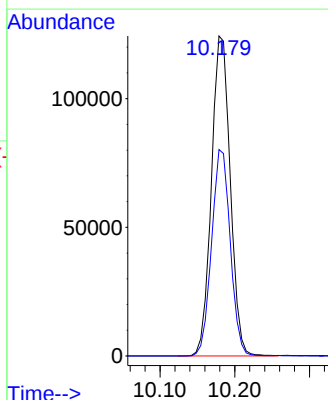
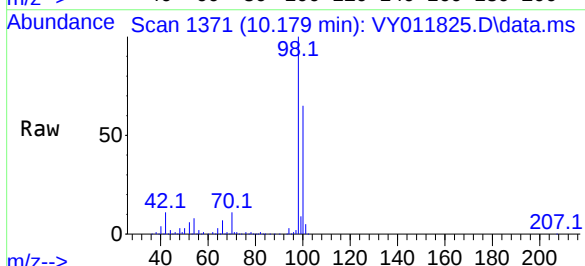


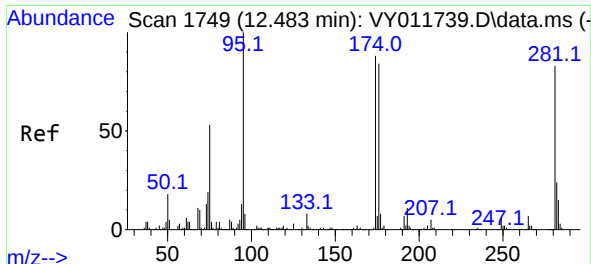
Tgt Ion:117 Resp: 21202
Ion Ratio Lower Upper
117 100
119 3.9 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 41.206 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011825.D
Acq: 14 Dec 2022 04:38

Tgt Ion: 98 Resp: 217583
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9

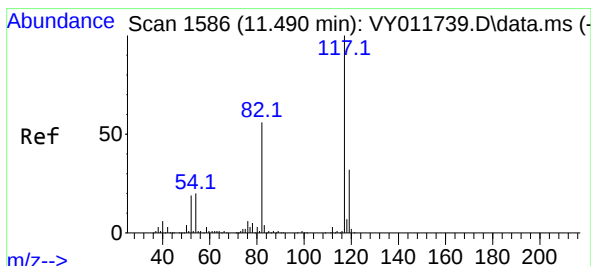
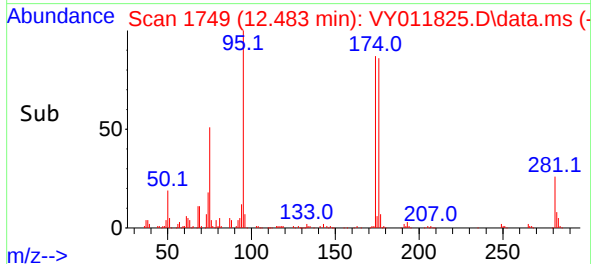
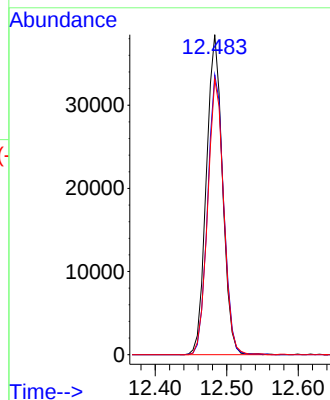
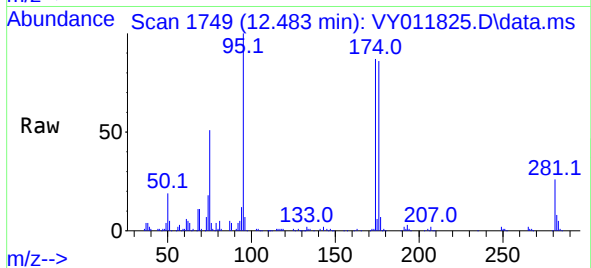




#62
4-Bromofluorobenzene
Concen: 27.424 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011825.D
Acq: 14 Dec 2022 04:38

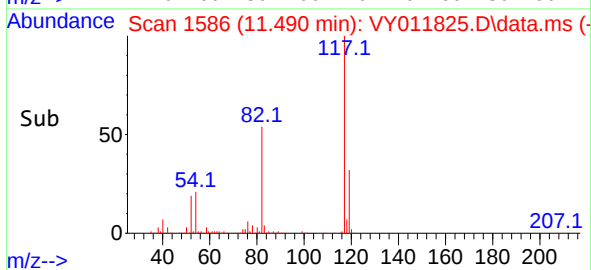
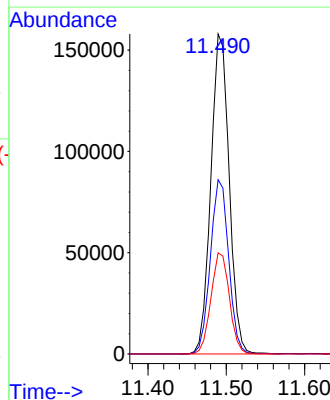
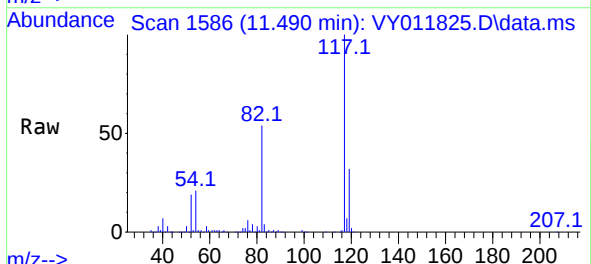
Instrument :
MSVOA_Y
ClientSampleId :
RB-27-(2.5-4.5)

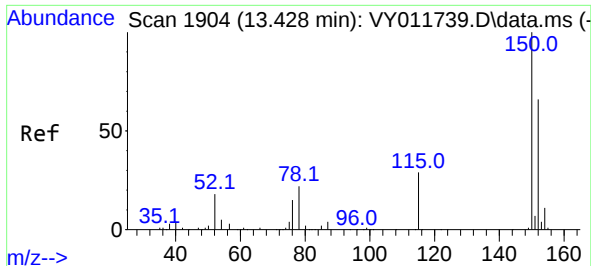
Tgt Ion: 95 Resp: 60263
Ion Ratio Lower Upper
95 100
174 87.0 0.0 172.0
176 85.3 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011825.D
Acq: 14 Dec 2022 04:38

Tgt Ion: 117 Resp: 256798
Ion Ratio Lower Upper
117 100
82 54.5 44.8 67.2
119 31.6 25.4 38.2

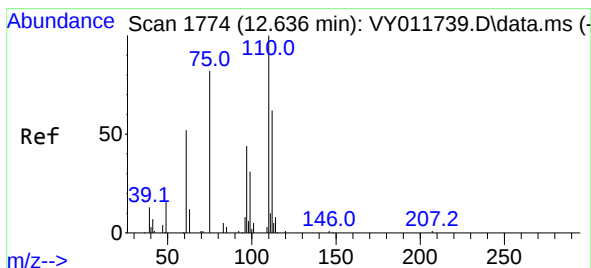
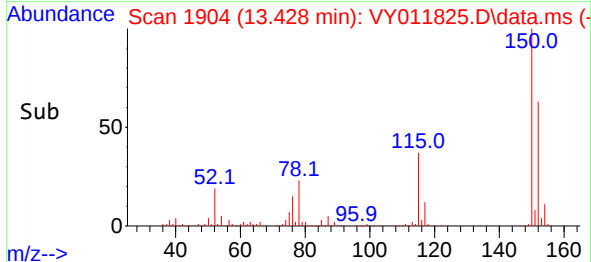
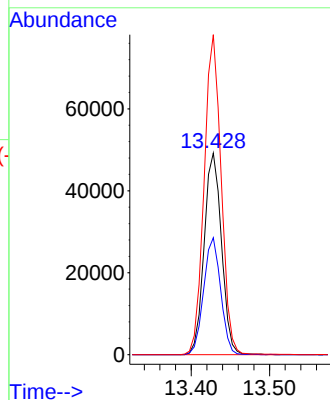
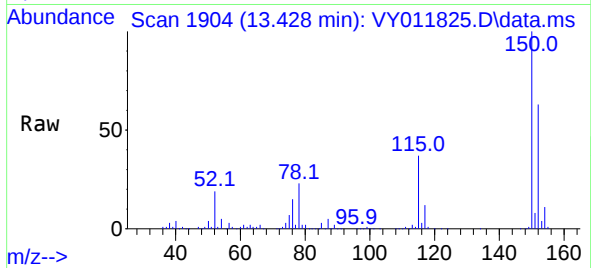




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY011825.D
 Acq: 14 Dec 2022 04:38

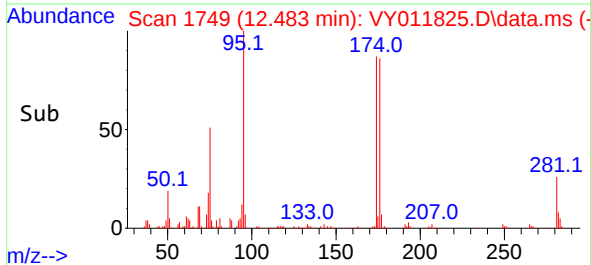
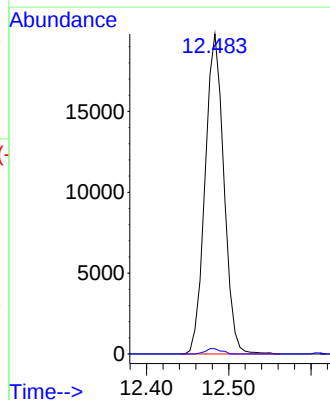
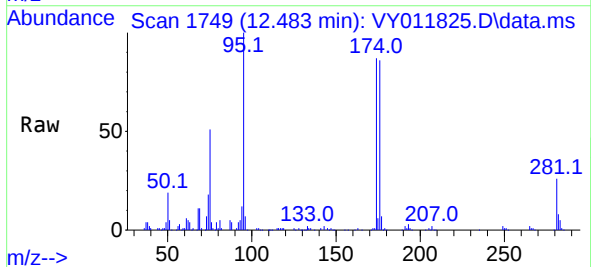
Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-27-(2.5-4.5)

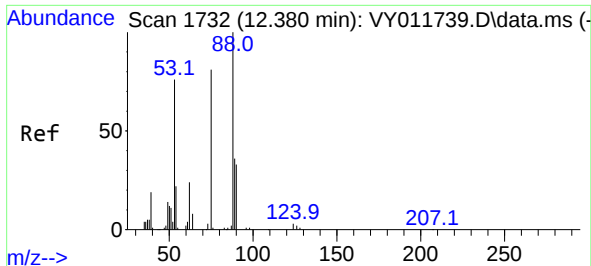
Tgt Ion:152 Resp: 75479
 Ion Ratio Lower Upper
 152 100
 115 57.1 29.1 87.3
 150 156.3 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 41.177 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY011825.D
 Acq: 14 Dec 2022 04:38

Tgt Ion: 75 Resp: 31445
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.440 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY011825.D
 Acq: 14 Dec 2022 04:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-27-(2.5-4.5)

Tgt Ion: 75 Resp: 31445
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.1 37.0 55.4#

