

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111022\Not Reviewed Data\
 Data File : VY011381.D
 Acq On : 10 Nov 2022 11:07
 Operator : KP/MD
 Sample : VSTDIC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC050

Quant Time: Nov 10 19:16:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111022S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 10 17:47:26 2022
 Response via : Initial Calibration

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

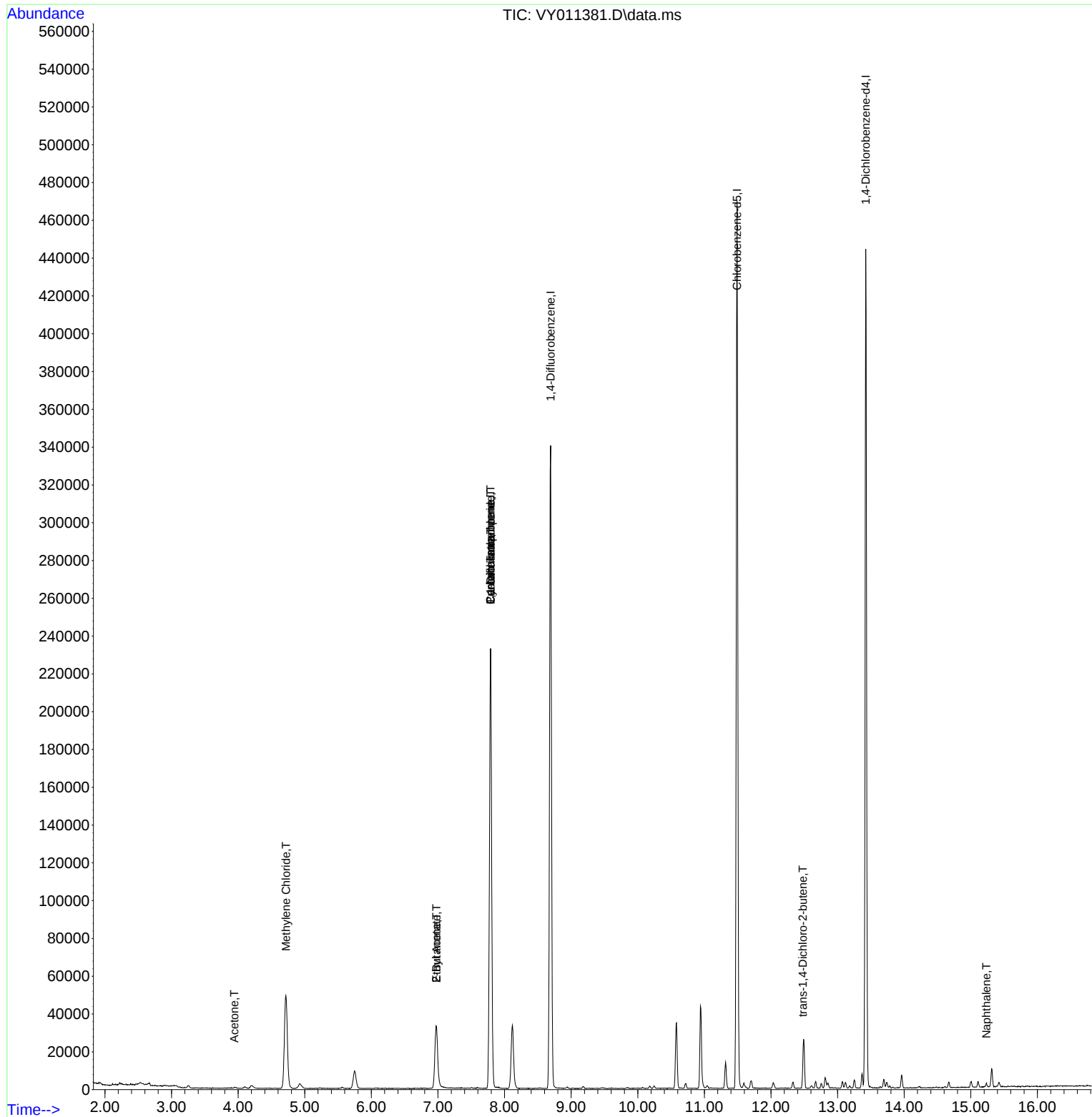
Internal Standards						
1) Pentafluorobenzene	7.789	168	189544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	310740	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	270038	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	121071	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	99	0.062	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.120%#
35) Dibromofluoromethane	7.716	113	45	0.026	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.060%#
50) Toluene-d8	10.179	98	949	0.143	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	0.280%#
62) 4-Bromofluorobenzene	12.477	95	1041	0.449	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	0.900%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	415	Below Cal		76
11) Tert butyl alcohol	4.936	59	2694	Below Cal	#	77
16) Acetone	3.942	43	912	2.176	ug/l	91
18) Methyl Acetate	4.716	43	139	Below Cal	#	56
20) Methylene Chloride	4.716	84	42030	12.887	ug/l	# 79
25) 2-Butanone	6.978	43	1571	2.631	ug/l	97
31) Cyclohexane	7.789	56	3320	1.163	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	13132	4.859	ug/l	# 50
37) Ethyl Acetate	6.978	43	1571	1.210	ug/l	# 1
38) Carbon Tetrachloride	7.789	117	17861	6.075	ug/l	# 15
81) trans-1,4-Dichloro-2-b...	12.477	75	636	1.091	ug/l	# 11
95) Naphthalene	15.233	128	1888	3.660	ug/l	100

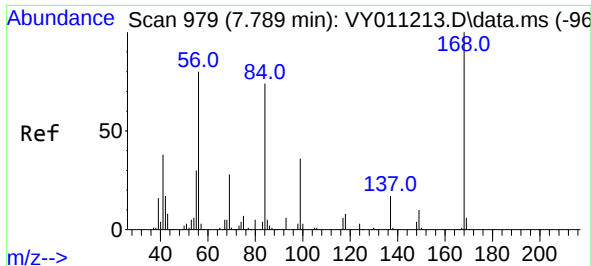
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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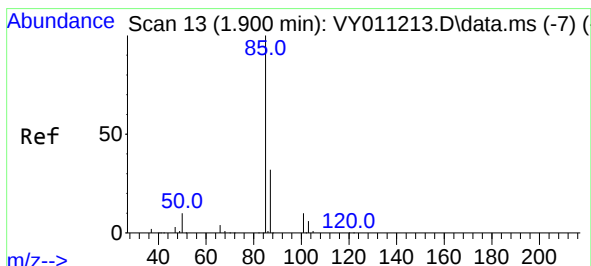
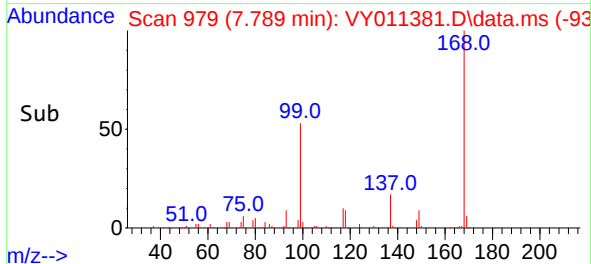
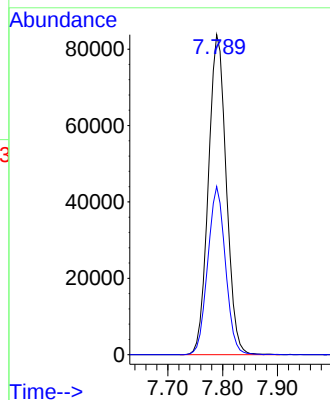
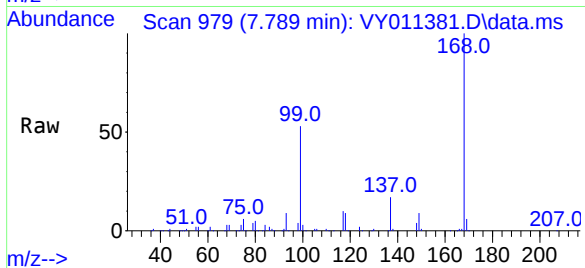




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011381.D
Acq: 10 Nov 2022 11:07

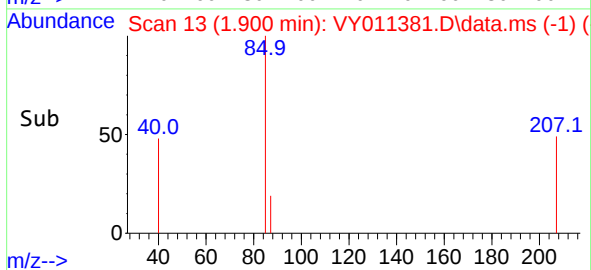
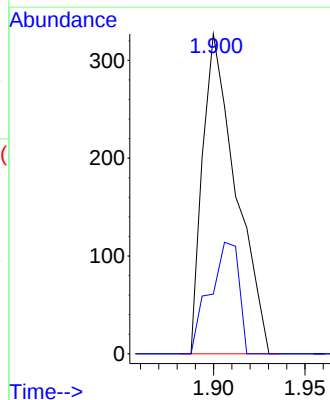
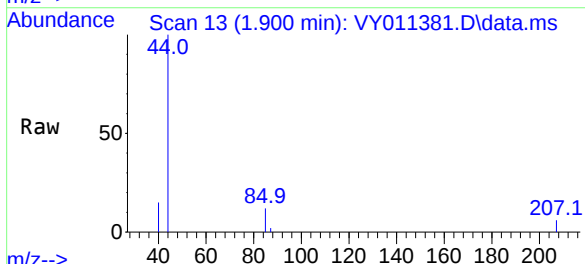
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC050

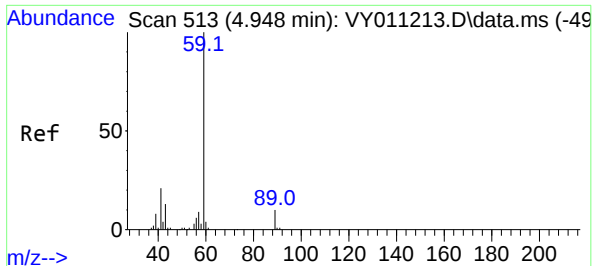
Tgt Ion:168 Resp: 189544
Ion Ratio Lower Upper
168 100
99 52.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY011381.D
Acq: 10 Nov 2022 11:07

Tgt Ion: 85 Resp: 415
Ion Ratio Lower Upper
85 100
87 18.7 16.1 48.2





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 51

Delta R.T. -0.018 min

Lab File: VY011381.D

Acq: 10 Nov 2022 11:07

Instrument :

MSVOA_Y

ClientSampleId :

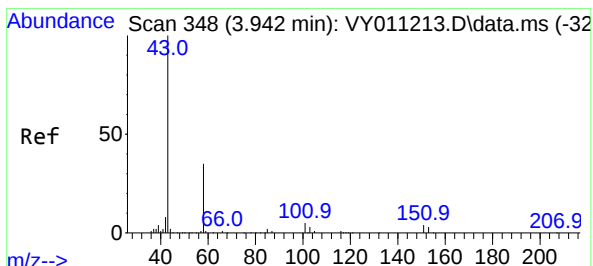
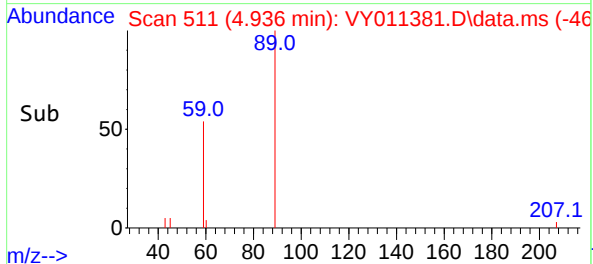
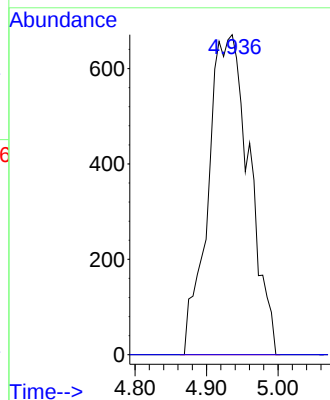
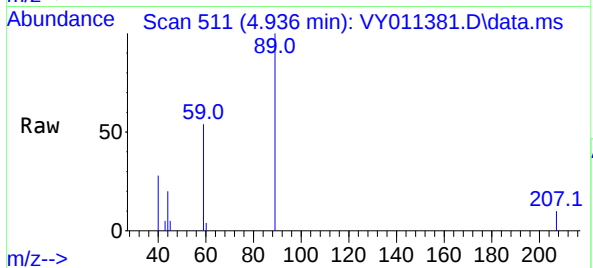
VSTDICC050

Tgt Ion: 59 Resp: 2694

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 2.176 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY011381.D

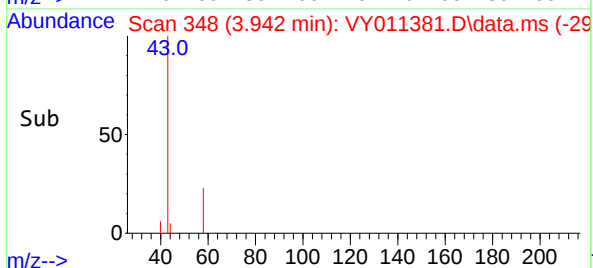
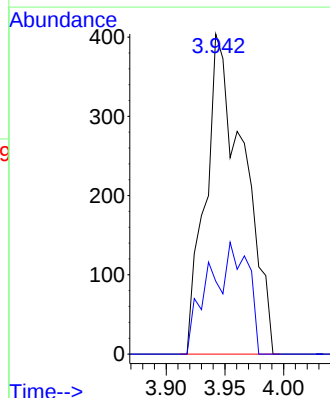
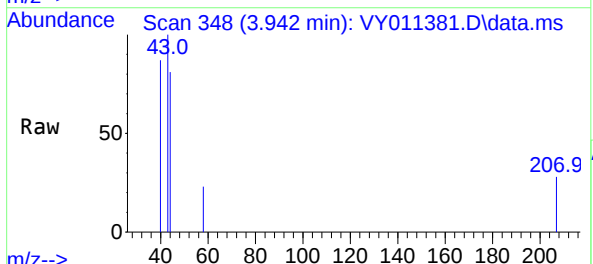
Acq: 10 Nov 2022 11:07

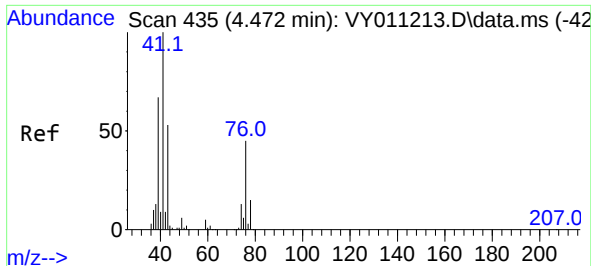
Tgt Ion: 43 Resp: 912

Ion Ratio Lower Upper

43 100

58 22.8 22.0 33.0

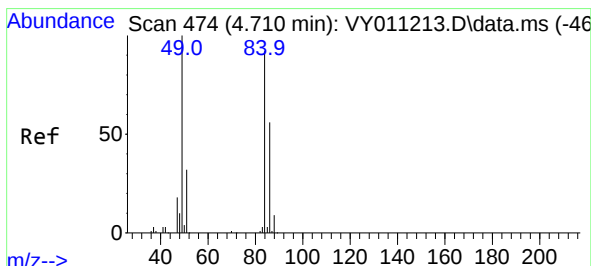
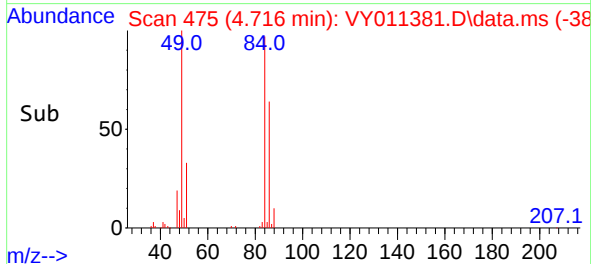
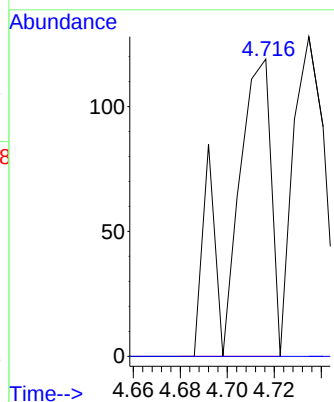
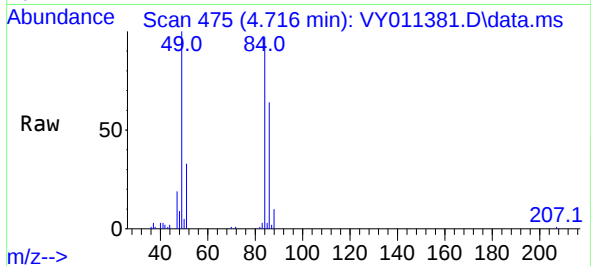




#18
Methyl Acetate
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.243 min
Lab File: VY011381.D
Acq: 10 Nov 2022 11:07

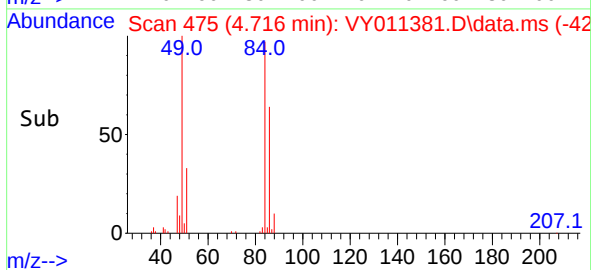
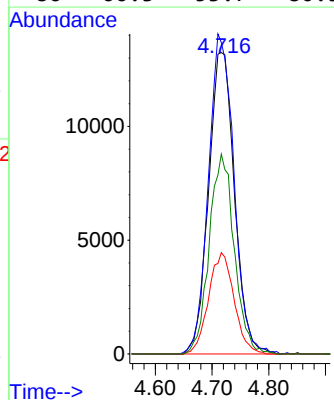
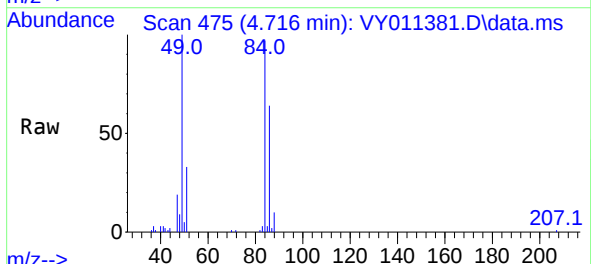
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC050

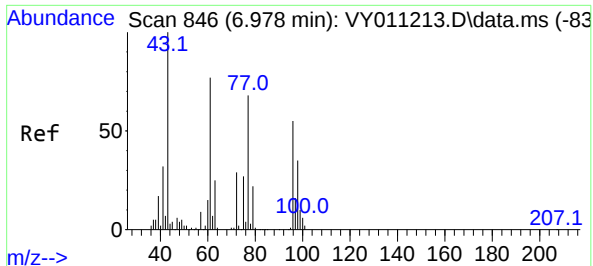
Tgt Ion: 43 Resp: 139
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 12.887 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY011381.D
Acq: 10 Nov 2022 11:07

Tgt Ion: 84 Resp: 42030
Ion Ratio Lower Upper
84 100
49 103.3 114.4 171.6#
51 33.6 35.3 52.9#
86 66.3 53.7 80.5

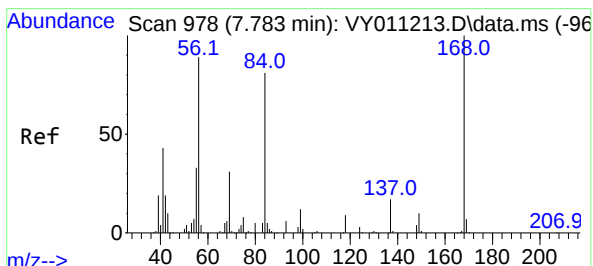
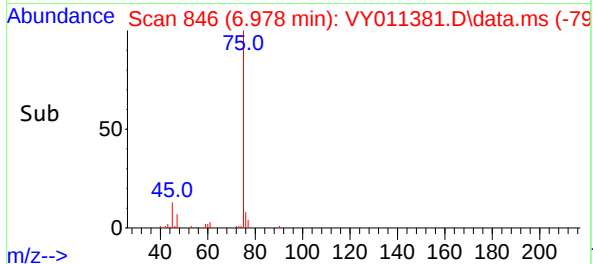
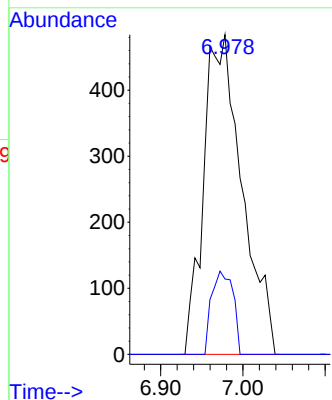
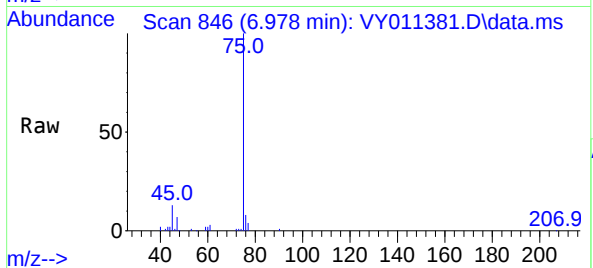




#25
2-Butanone
Concen: 2.631 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY011381.D
Acq: 10 Nov 2022 11:07

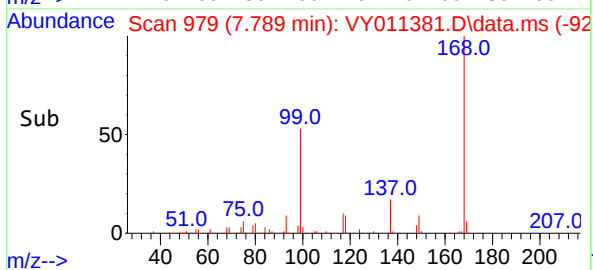
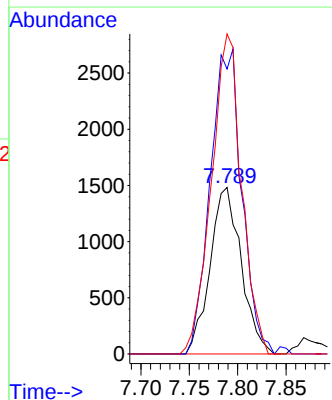
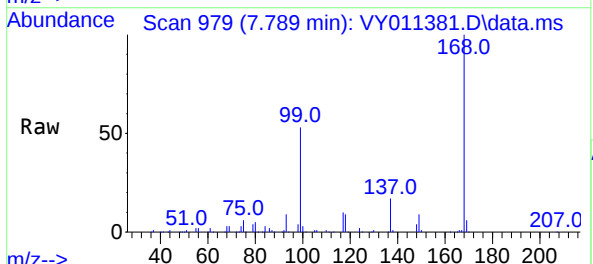
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC050

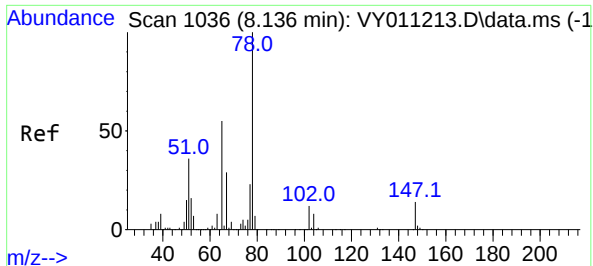
Tgt Ion: 43 Resp: 1571
Ion Ratio Lower Upper
43 100
72 23.6 17.7 26.5



#31
Cyclohexane
Concen: 1.163 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011381.D
Acq: 10 Nov 2022 11:07

Tgt Ion: 56 Resp: 3320
Ion Ratio Lower Upper
56 100
69 171.1 26.7 40.1#
84 192.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 0.062 ug/l

RT: 8.137 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY011381.D

Acq: 10 Nov 2022 11:07

Instrument :

MSVOA_Y

ClientSampleId :

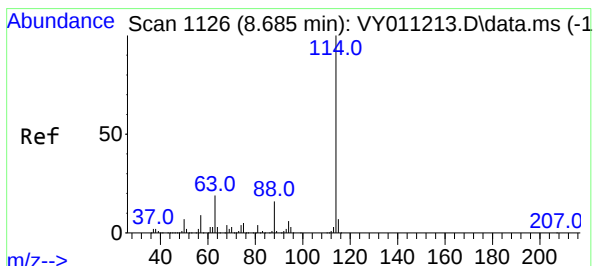
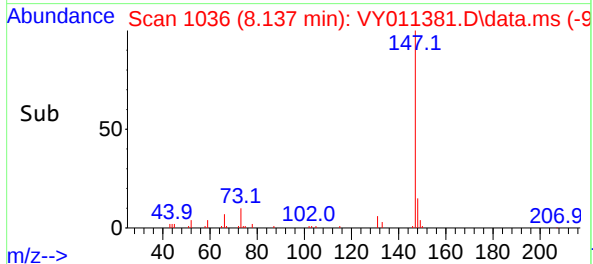
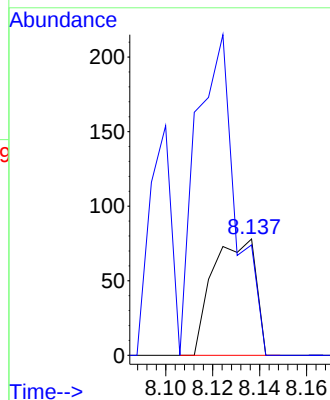
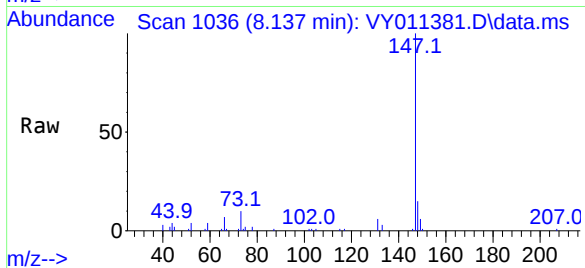
VSTDICC050

Tgt Ion: 65 Resp: 99

Ion Ratio Lower Upper

65 100

67 255.6 0.0 99.4#



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY011381.D

Acq: 10 Nov 2022 11:07

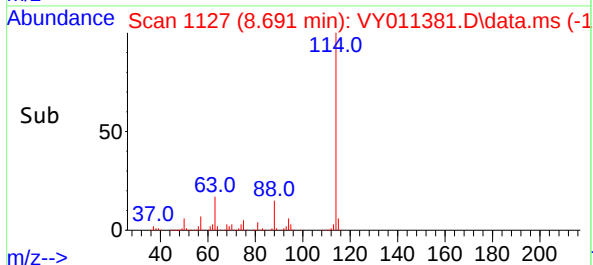
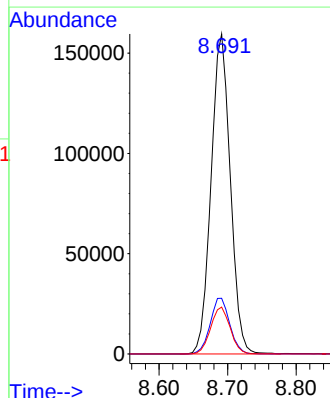
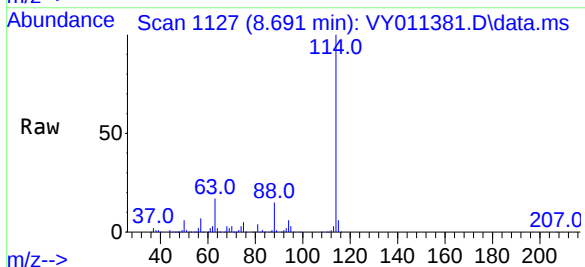
Tgt Ion: 114 Resp: 310740

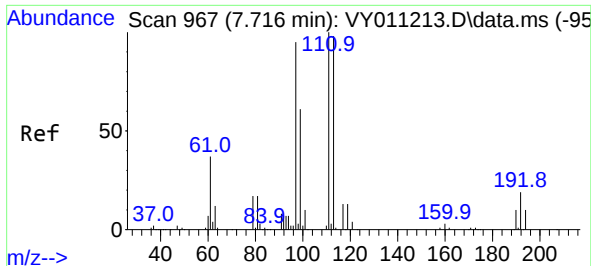
Ion Ratio Lower Upper

114 100

63 17.4 0.0 43.2

88 14.6 0.0 31.8

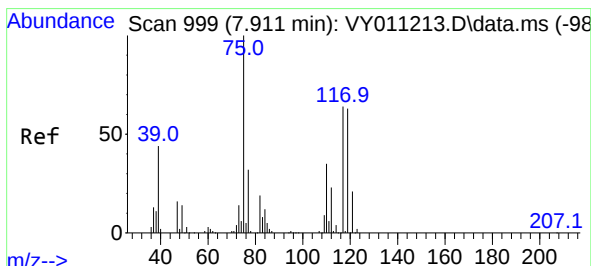
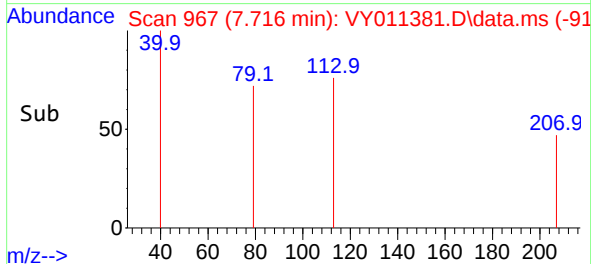
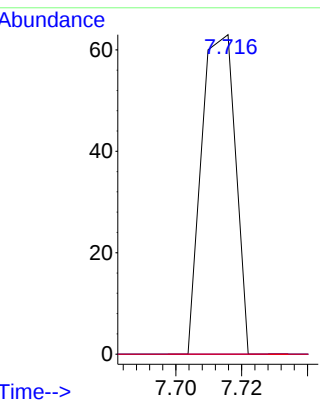
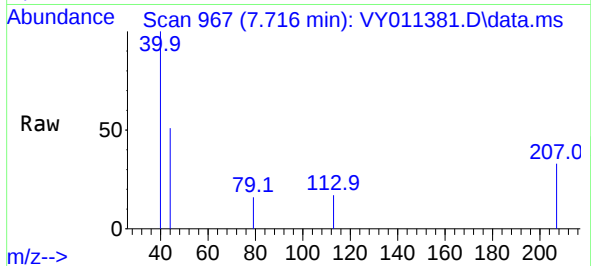




#35
Dibromofluoromethane
Concen: 0.026 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY011381.D
Acq: 10 Nov 2022 11:07

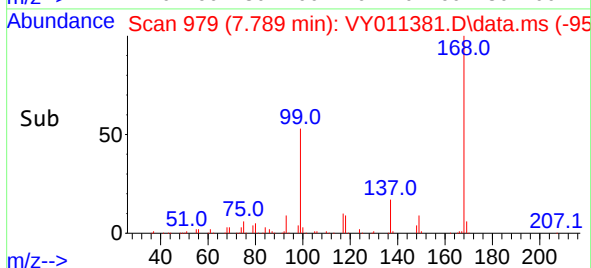
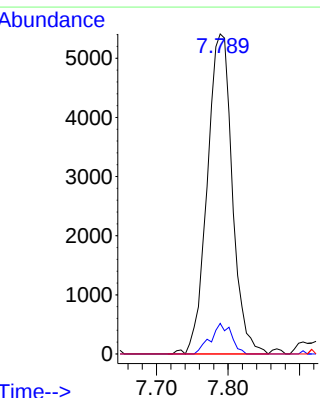
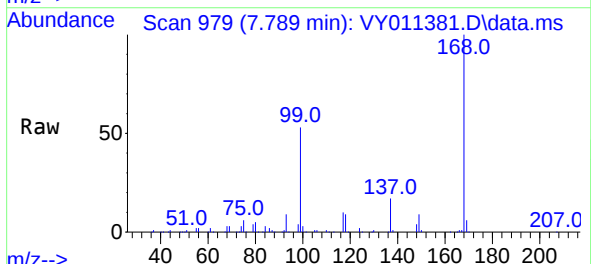
Instrument :
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VSTDICC050

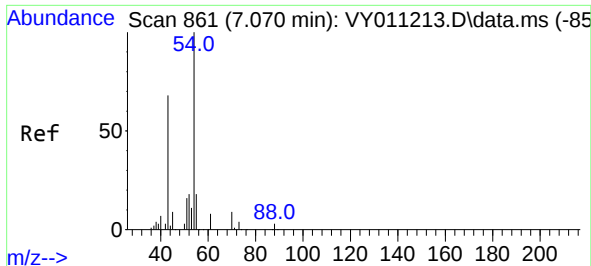
Tgt Ion:113 Resp: 45
Ion Ratio Lower Upper
113 100
111 0.0 82.6 124.0#
192 0.0 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 4.859 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011381.D
Acq: 10 Nov 2022 11:07

Tgt Ion: 75 Resp: 13132
Ion Ratio Lower Upper
75 100
110 7.9 17.1 51.2#
77 0.0 24.4 36.6#

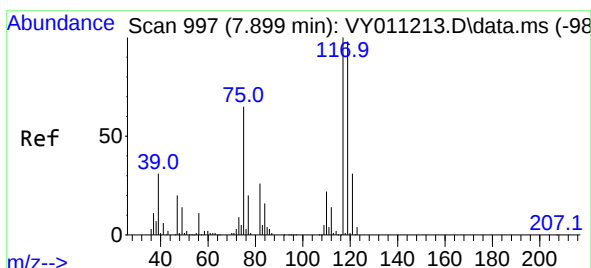
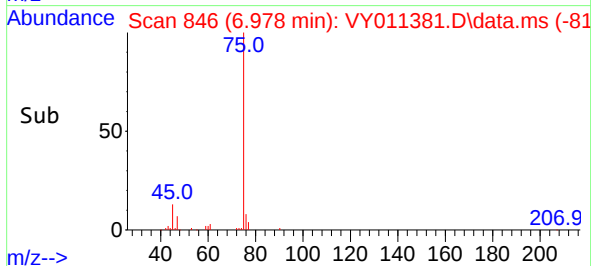
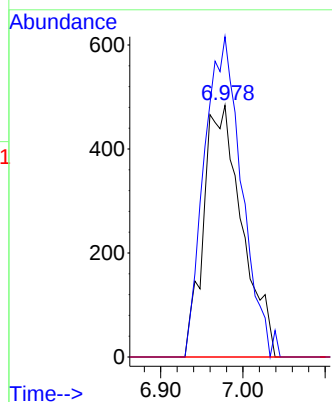
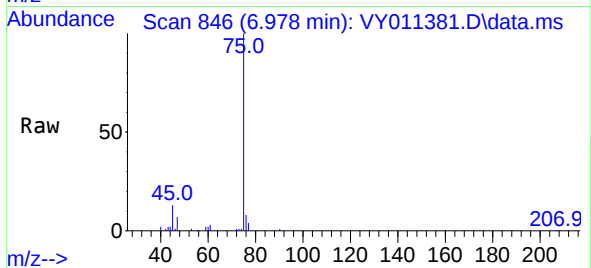




#37
Ethyl Acetate
Concen: 1.210 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.092 min
Lab File: VY011381.D
Acq: 10 Nov 2022 11:07

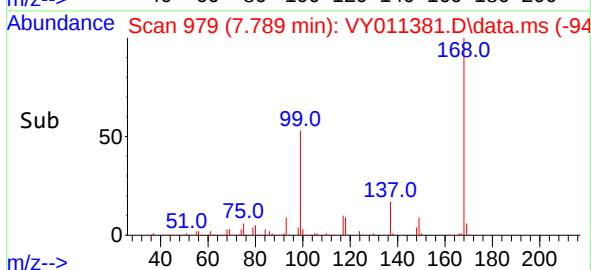
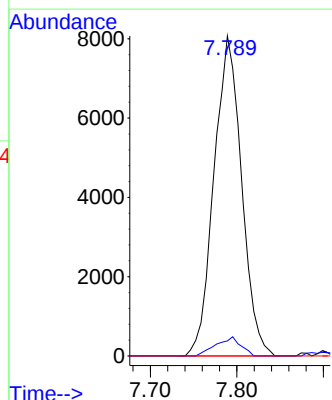
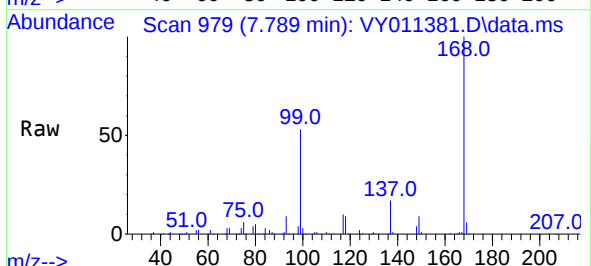
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC050

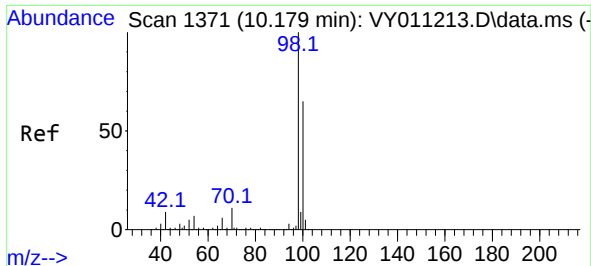
Tgt Ion: 43 Resp: 1571
Ion Ratio Lower Upper
43 100
61 124.1 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.075 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY011381.D
Acq: 10 Nov 2022 11:07

Tgt Ion: 117 Resp: 17861
Ion Ratio Lower Upper
117 100
119 4.7 77.9 116.9#
121 0.0 24.8 37.2#

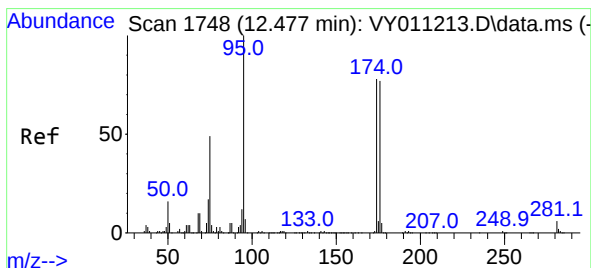
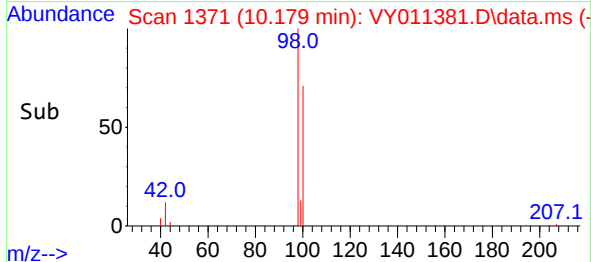
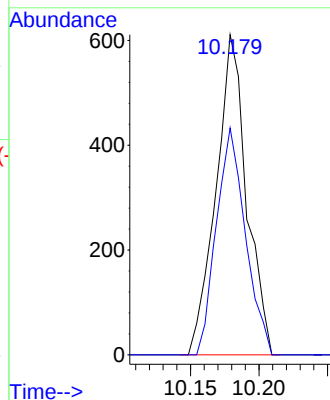
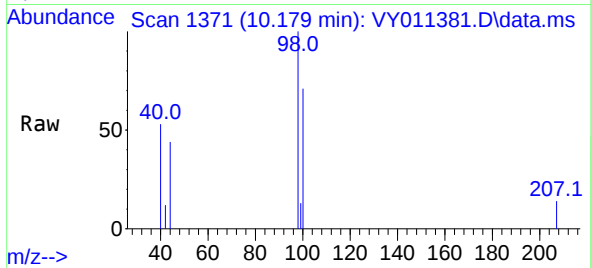




#50
Toluene-d8
Concen: 0.143 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011381.D
Acq: 10 Nov 2022 11:07

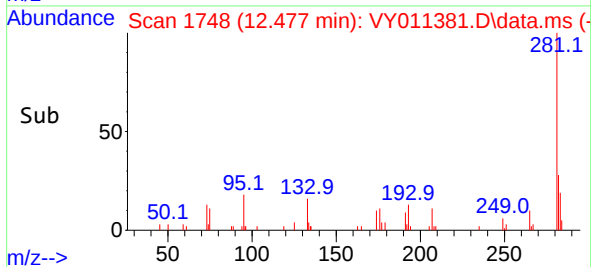
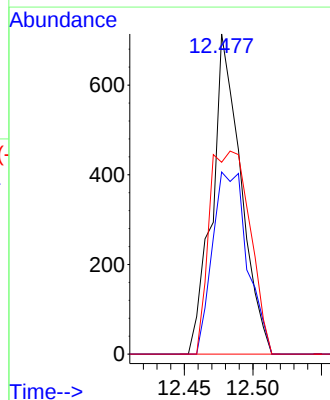
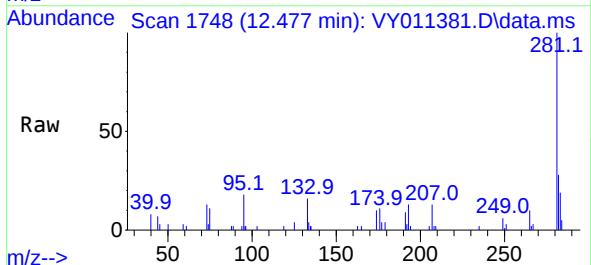
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC050

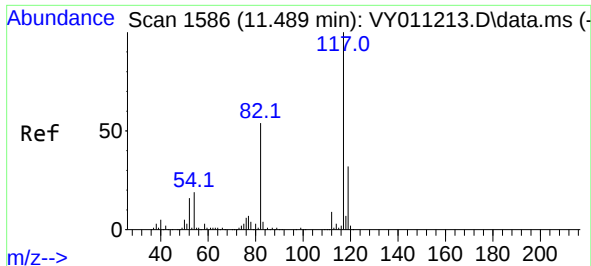
Tgt Ion: 98 Resp: 949
Ion Ratio Lower Upper
98 100
100 67.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 0.449 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011381.D
Acq: 10 Nov 2022 11:07

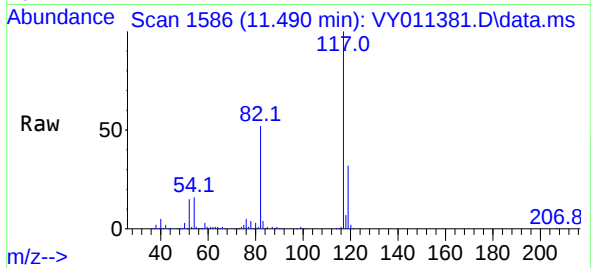
Tgt Ion: 95 Resp: 1041
Ion Ratio Lower Upper
95 100
174 69.0 0.0 177.0
176 89.8 0.0 175.8



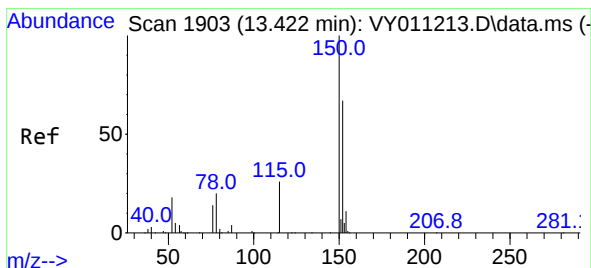
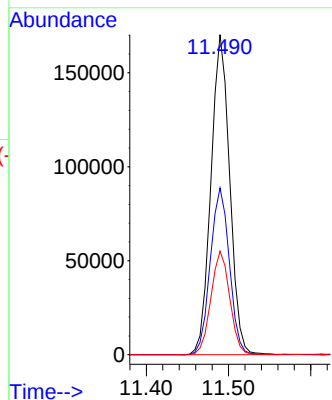
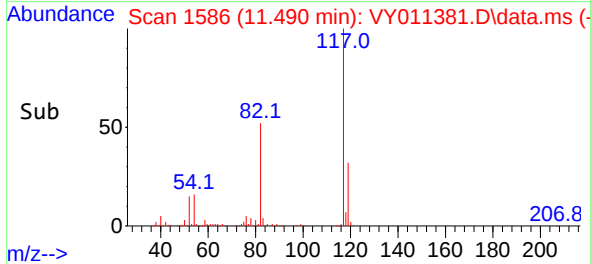


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011381.D
Acq: 10 Nov 2022 11:07

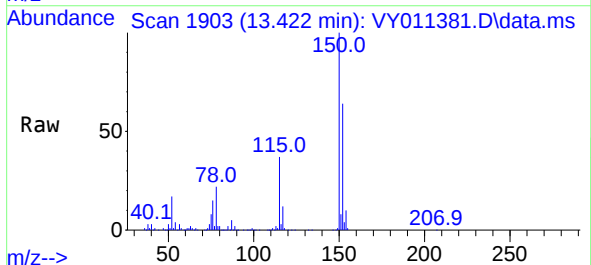
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC050



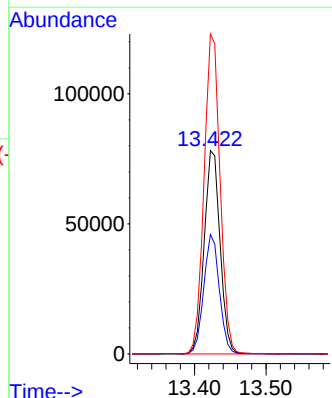
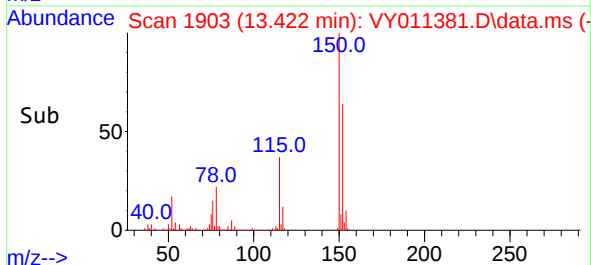
Tgt Ion:117 Resp: 270038
Ion Ratio Lower Upper
117 100
82 52.1 43.0 64.4
119 32.3 25.4 38.0

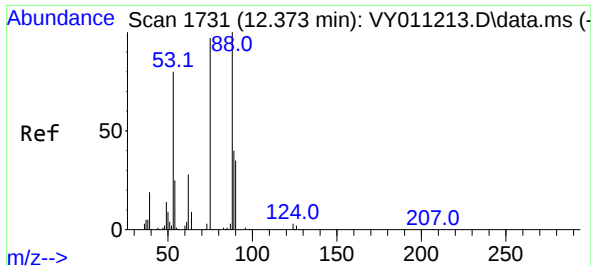


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011381.D
Acq: 10 Nov 2022 11:07



Tgt Ion:152 Resp: 121071
Ion Ratio Lower Upper
152 100
115 57.7 28.2 84.7
150 158.6 0.0 347.6

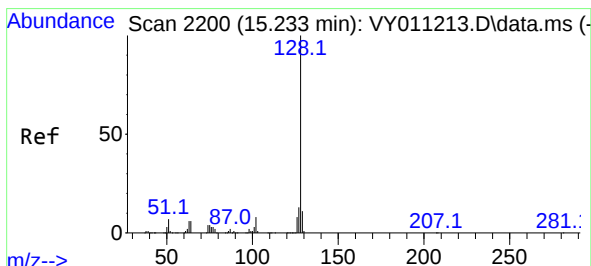
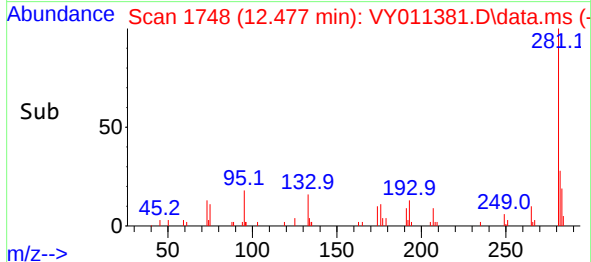
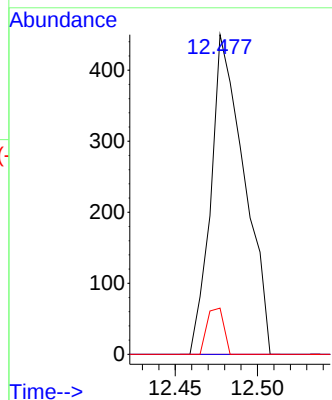
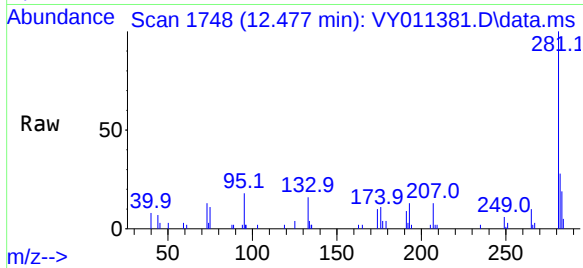




#81
trans-1,4-Dichloro-2-butene
Concen: 1.091 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011381.D
Acq: 10 Nov 2022 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC050

Tgt Ion: 75 Resp: 636
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 7.2 37.0 55.4#



#95
Naphthalene
Concen: 3.660 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY011381.D
Acq: 10 Nov 2022 11:07

Tgt Ion: 128 Resp: 1888
Ion Ratio Lower Upper
128 100
127 13.7 11.0 16.4
129 10.8 8.4 12.6

