

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112122\
 Data File : VY011531.D
 Acq On : 21 Nov 2022 17:59
 Operator : KP/MD
 Sample : N5731-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 22 01:47:01 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)

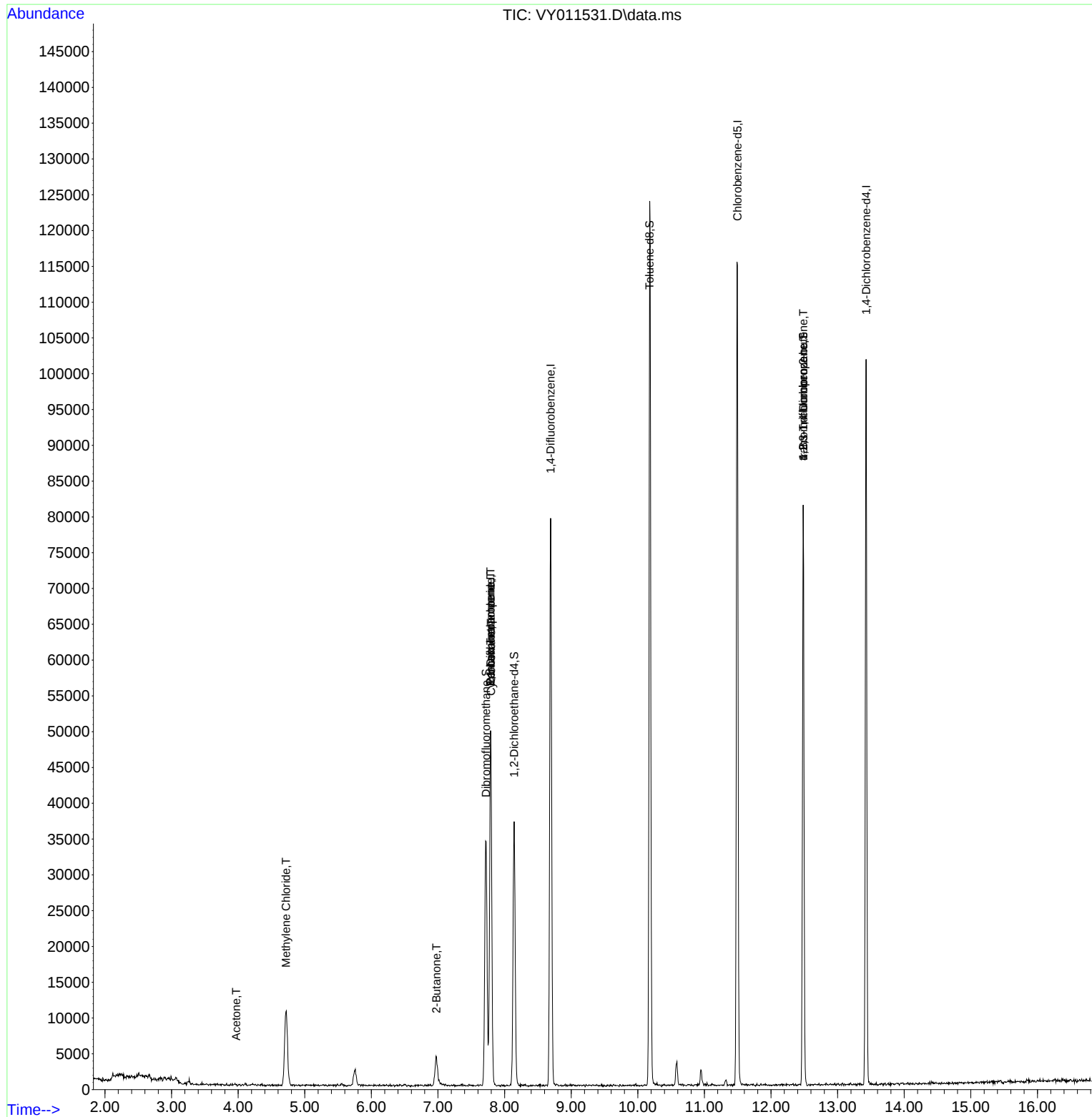
Internal Standards						
1) Pentafluorobenzene	7.789	168	37307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	66959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	64541	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	26425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	28835	76.119	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	152.240%
35) Dibromofluoromethane	7.722	113	25463	61.774	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	123.540%
50) Toluene-d8	10.179	98	81906	54.681	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.360%
62) 4-Bromofluorobenzene	12.483	95	23884	43.127	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	86.260%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	48	Below Cal	#	43
3) Chloromethane	2.113	50	147	Below Cal	#	44
5) Bromomethane	2.662	94	212	Below Cal	#	45
16) Acetone	3.972	43	260	2.113 ug/l	#	47
18) Methyl Acetate	4.741	43	51	Below Cal	#	56
20) Methylene Chloride	4.716	84	7485	6.943 ug/l		88
25) 2-Butanone	6.978	43	228	1.410 ug/l	#	54
31) Cyclohexane	7.795	56	908	1.446 ug/l	#	28
36) 1,1-Dichloropropene	7.789	75	3090	4.796 ug/l	#	48
38) Carbon Tetrachloride	7.789	117	3839	5.326 ug/l	#	15
76) 1,2,3-Trichloropropane	12.483	75	13112	46.075 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	13112	100.920 ug/l	#	7

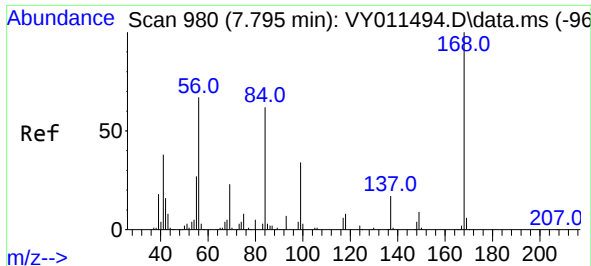
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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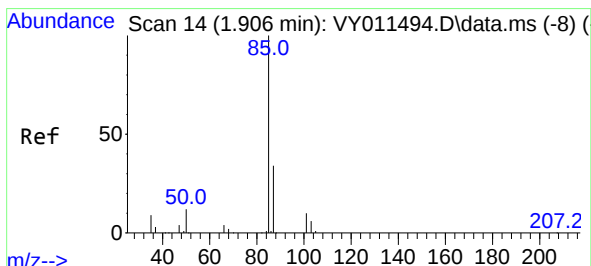
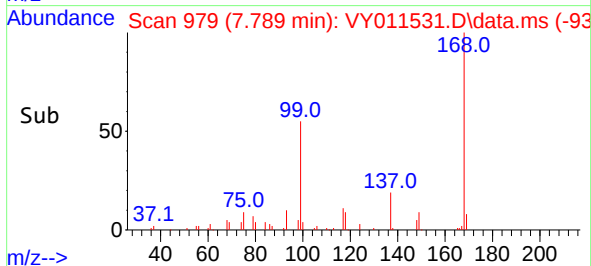
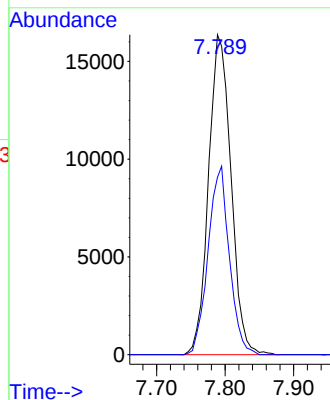
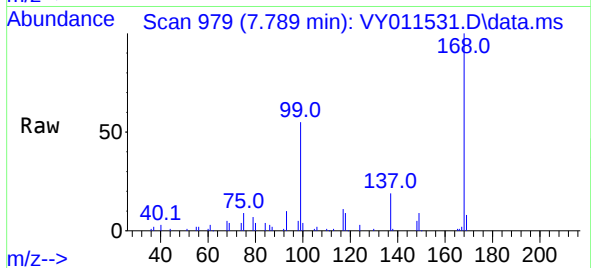




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011531.D
Acq: 21 Nov 2022 17:59

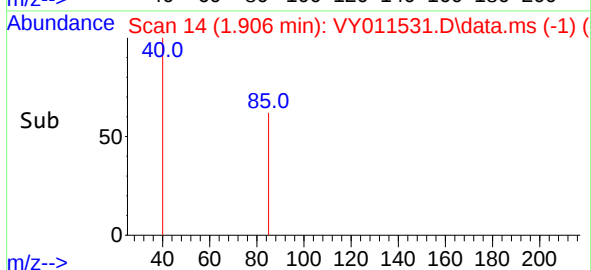
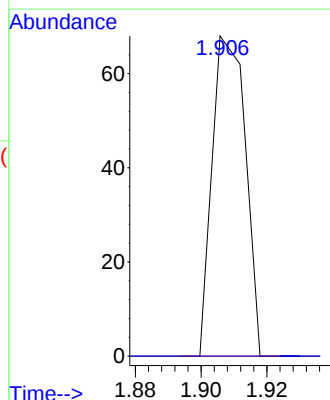
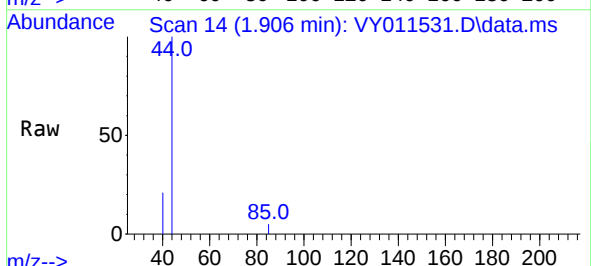
Instrument :
MSVOA_Y
ClientSampleId :

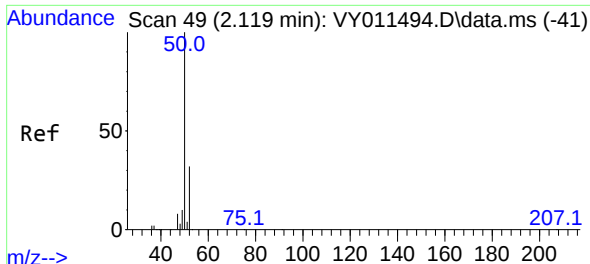
Tgt Ion:168 Resp: 37307
Ion Ratio Lower Upper
168 100
99 55.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011531.D
Acq: 21 Nov 2022 17:59

Tgt Ion: 85 Resp: 48
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

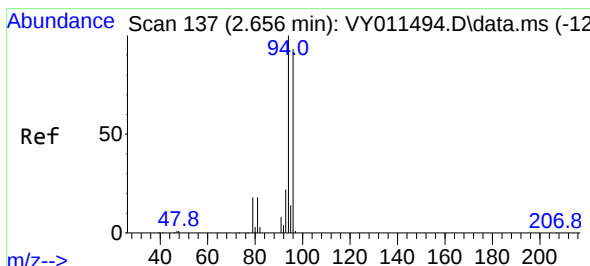
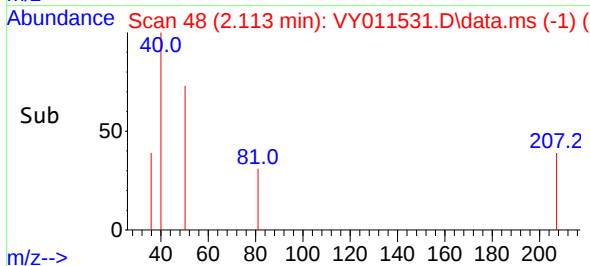
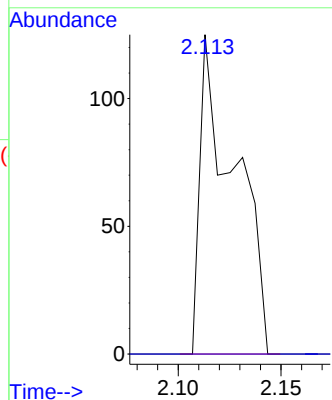
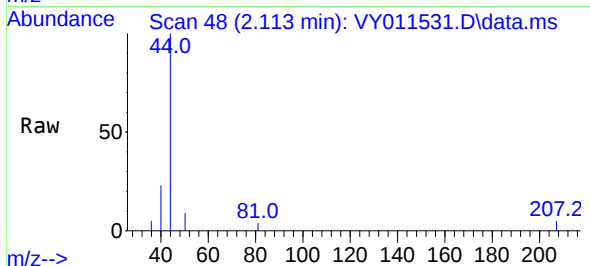




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011531.D
Acq: 21 Nov 2022 17:59

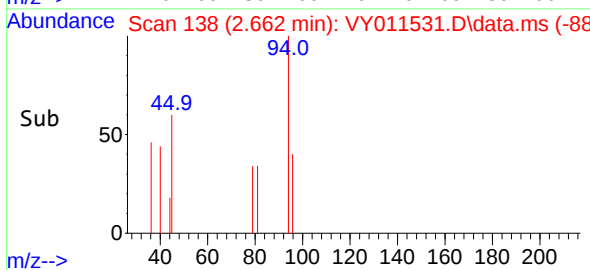
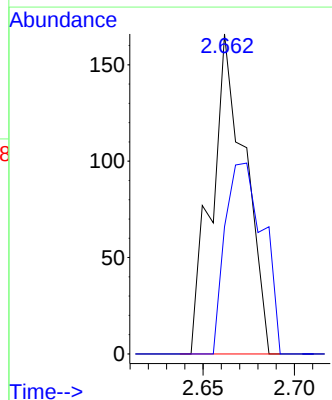
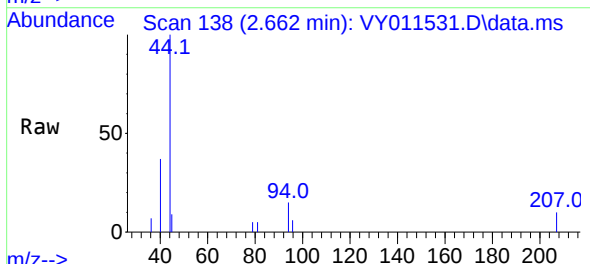
Instrument :
MSVOA_Y
ClientSampleId :

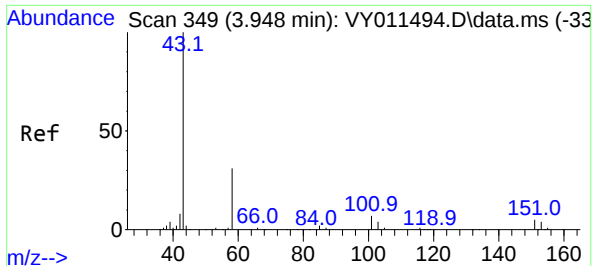
Tgt Ion: 50 Resp: 147
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY011531.D
Acq: 21 Nov 2022 17:59

Tgt Ion: 94 Resp: 212
Ion Ratio Lower Upper
94 100
96 39.8 73.5 110.3#

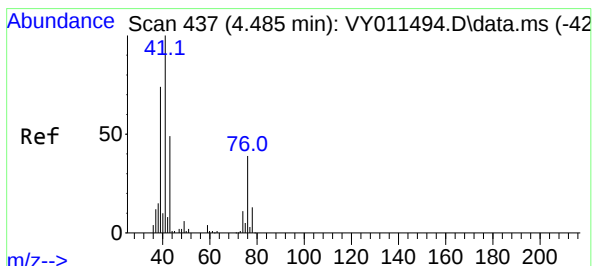
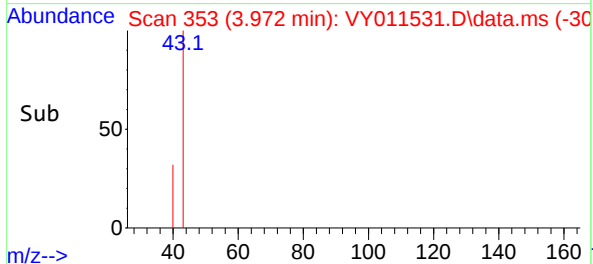
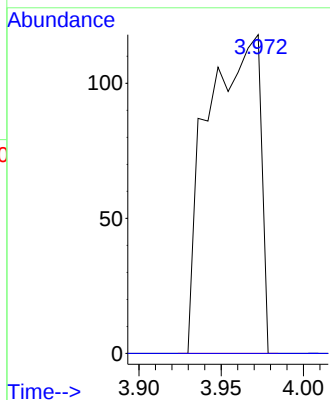
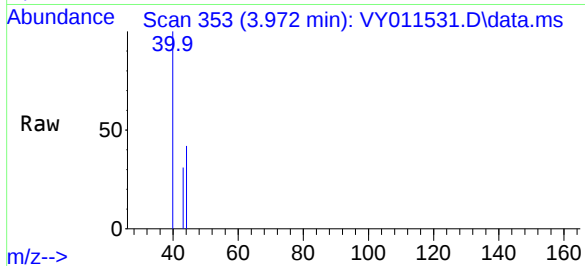




#16
Acetone
Concen: 2.113 ug/l
RT: 3.972 min Scan# 31
Delta R.T. 0.024 min
Lab File: VY011531.D
Acq: 21 Nov 2022 17:59

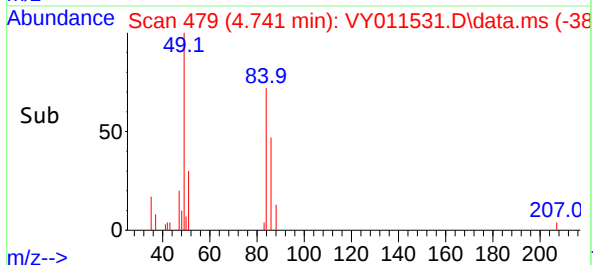
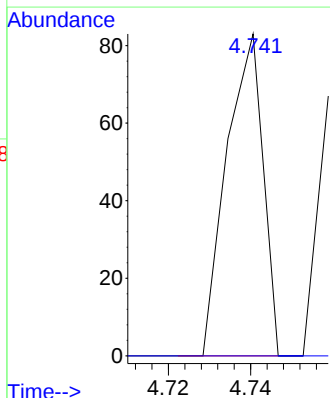
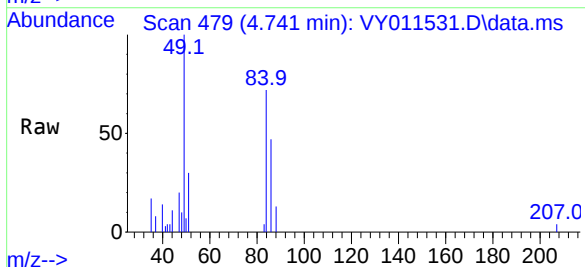
Instrument :
MSVOA_Y
ClientSampleId :

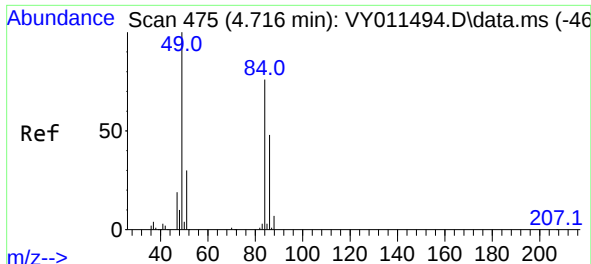
Tgt Ion: 43 Resp: 260
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.741 min Scan# 479
Delta R.T. 0.256 min
Lab File: VY011531.D
Acq: 21 Nov 2022 17:59

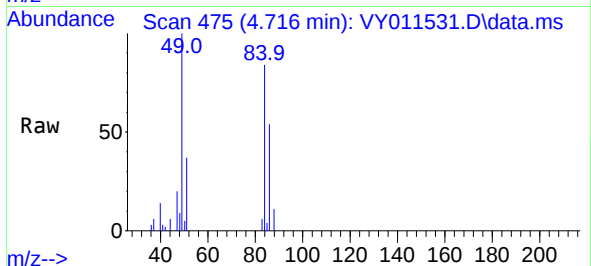
Tgt Ion: 43 Resp: 51
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





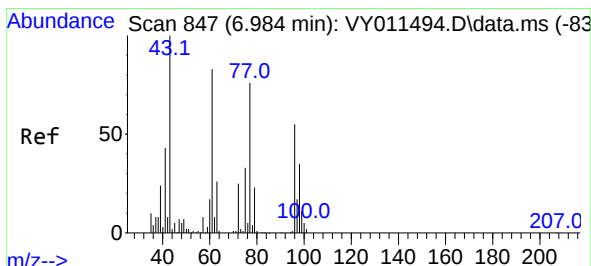
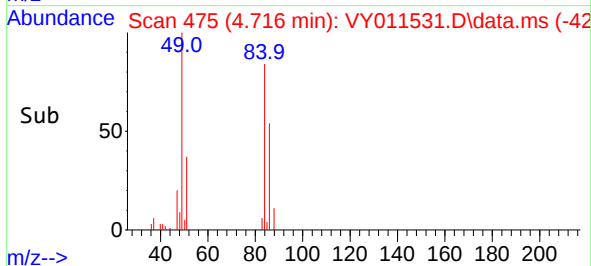
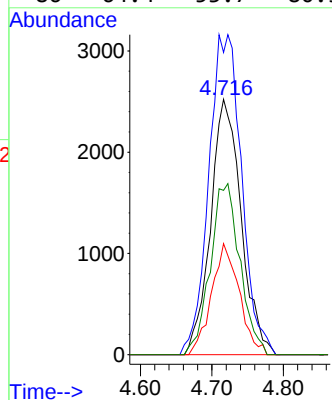
#20
Methylene Chloride
Concen: 6.943 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011531.D
Acq: 21 Nov 2022 17:59

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 7485

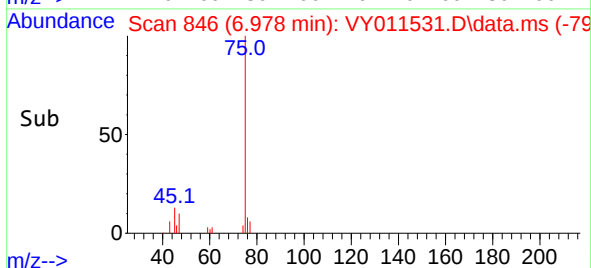
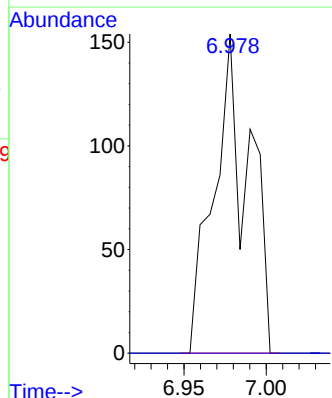
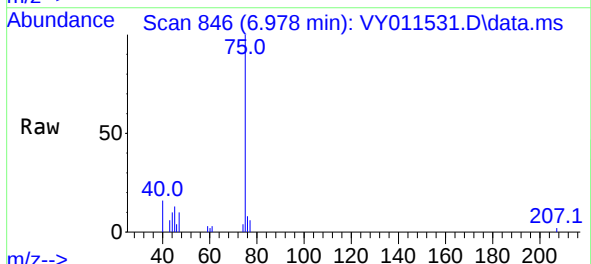
Ion	Ratio	Lower	Upper
84	100		
49	118.4	114.4	171.6
51	43.5	35.3	52.9
86	64.4	53.7	80.5

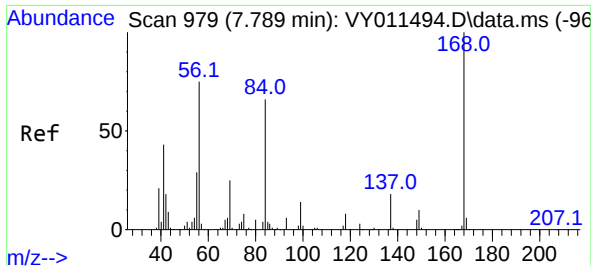


#25
2-Butanone
Concen: 1.410 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY011531.D
Acq: 21 Nov 2022 17:59

Tgt Ion: 43 Resp: 228

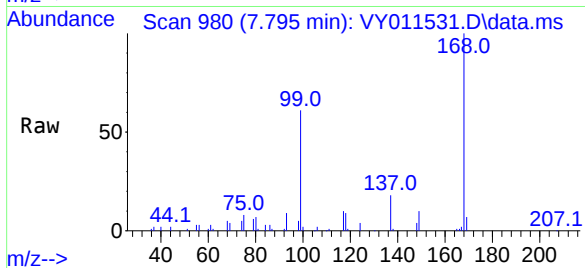
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#



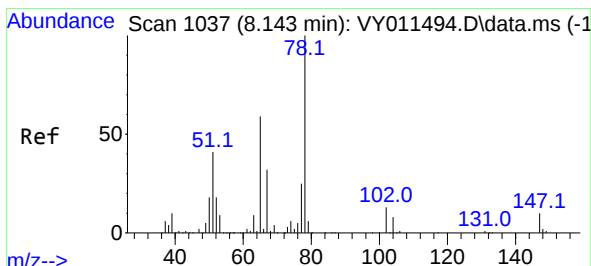
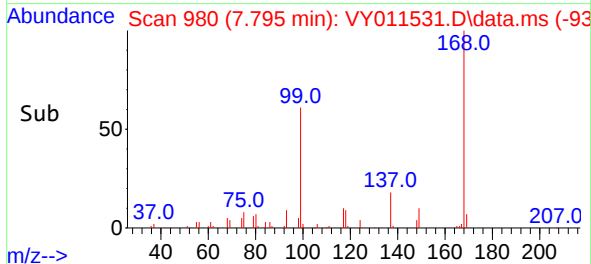
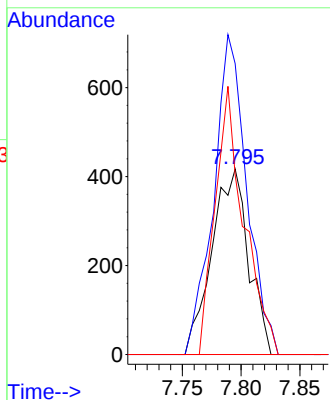


#31
Cyclohexane
Concen: 1.446 ug/l
RT: 7.795 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY011531.D
Acq: 21 Nov 2022 17:59

Instrument :
MSVOA_Y
ClientSampleId :

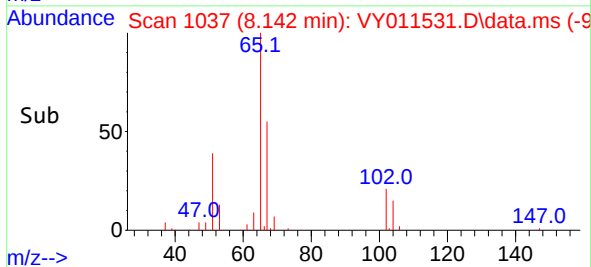
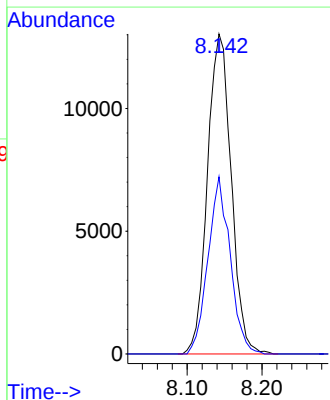
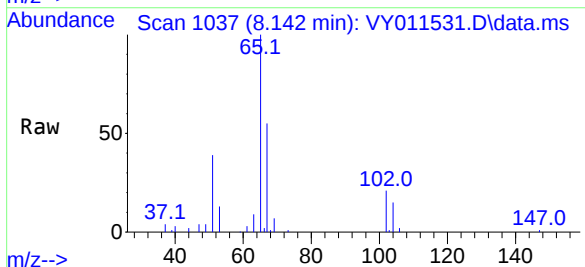


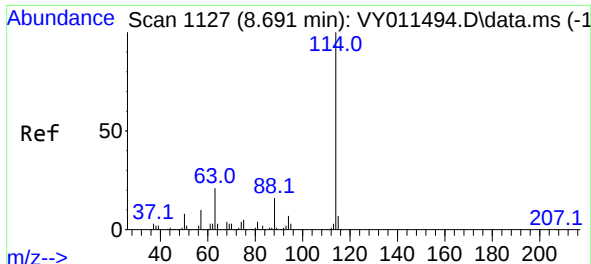
Tgt Ion: 56 Resp: 908
Ion Ratio Lower Upper
56 100
69 156.8 26.7 40.1#
84 96.9 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 76.119 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011531.D
Acq: 21 Nov 2022 17:59

Tgt Ion: 65 Resp: 28835
Ion Ratio Lower Upper
65 100
67 51.7 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: VY011531.D

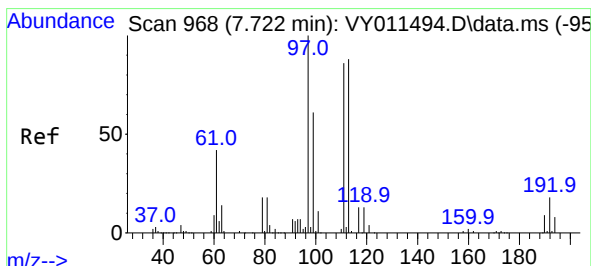
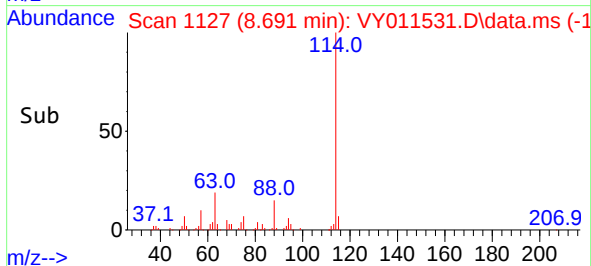
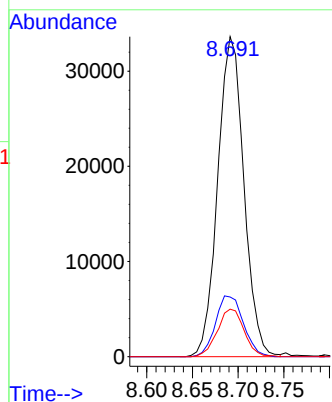
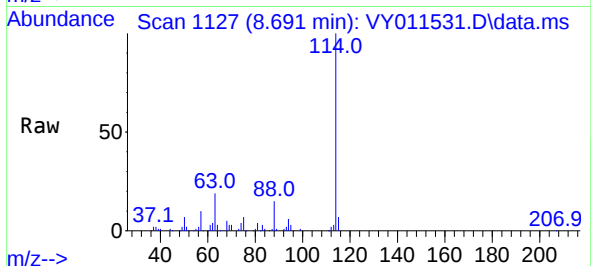
Acq: 21 Nov 2022 17:59

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	114	Resp:	66959
Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	43.2
88	14.8	0.0	31.8



#35

Dibromofluoromethane

Concen: 61.774 ug/l

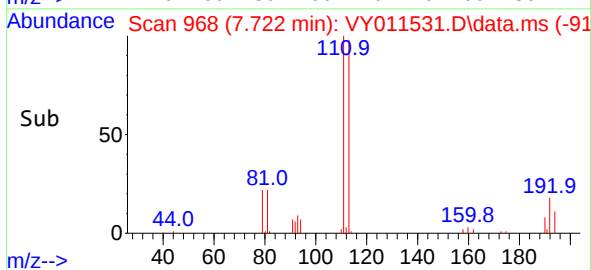
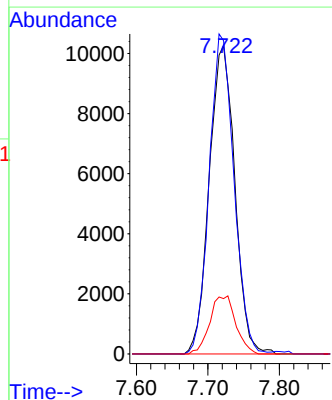
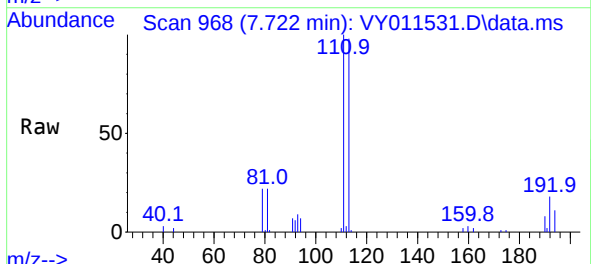
RT: 7.722 min Scan# 968

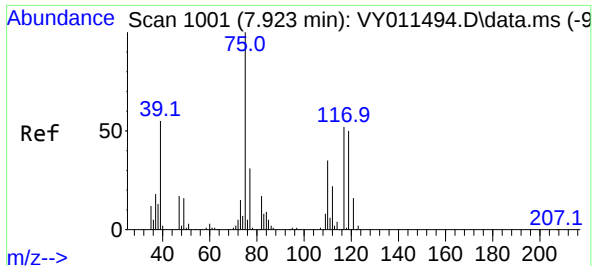
Delta R.T. -0.000 min

Lab File: VY011531.D

Acq: 21 Nov 2022 17:59

Tgt Ion:	113	Resp:	25463
Ion	Ratio	Lower	Upper
113	100		
111	100.0	82.6	124.0
192	19.1	17.6	26.4





#36

1,1-Dichloropropene

Concen: 4.796 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

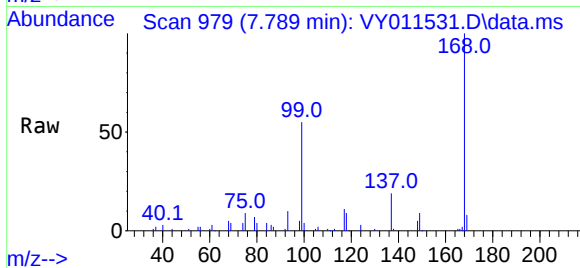
Lab File: VY011531.D

Acq: 21 Nov 2022 17:59

Instrument :

MSVOA_Y

ClientSampleId :



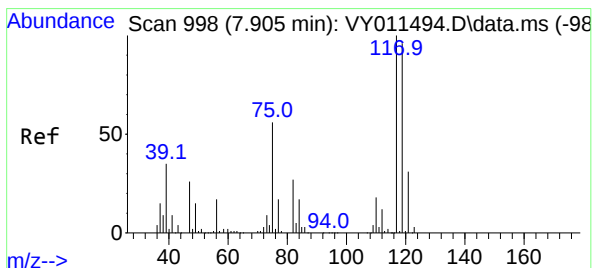
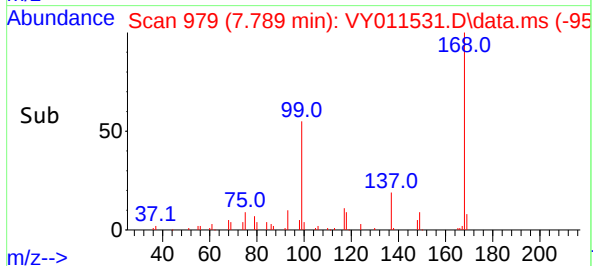
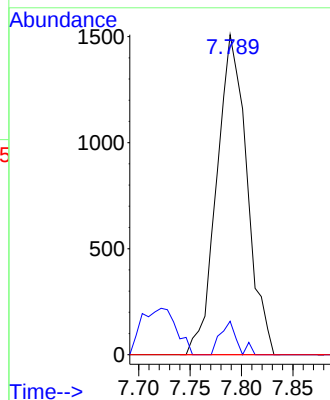
Tgt Ion: 75 Resp: 3090

Ion Ratio Lower Upper

75 100

110 5.8 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.326 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011531.D

Acq: 21 Nov 2022 17:59

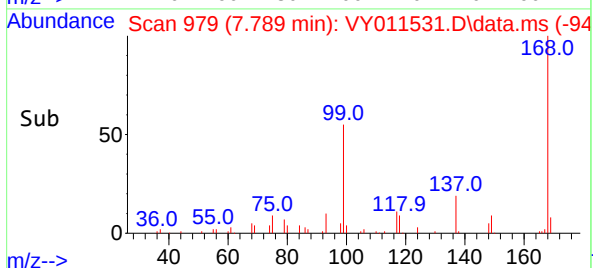
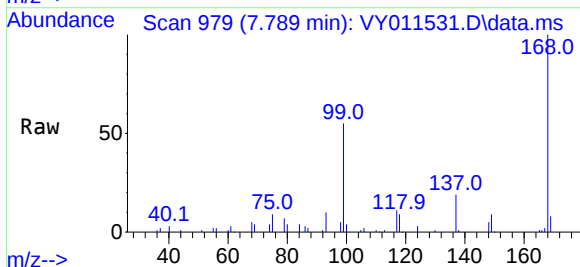
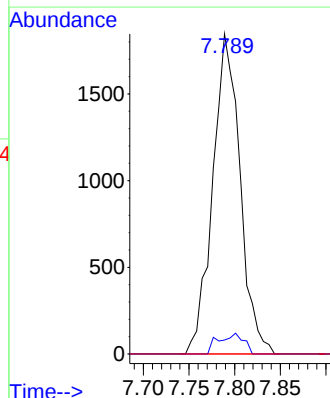
Tgt Ion: 117 Resp: 3839

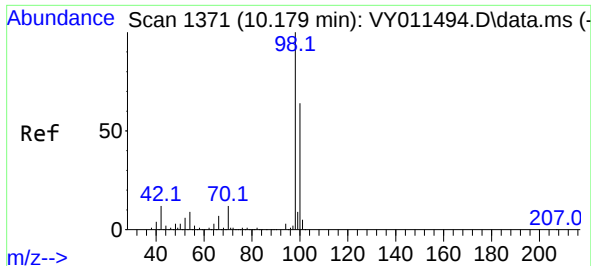
Ion Ratio Lower Upper

117 100

119 4.4 77.9 116.9#

121 0.0 24.8 37.2#

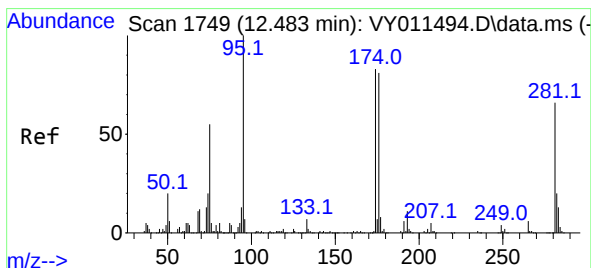
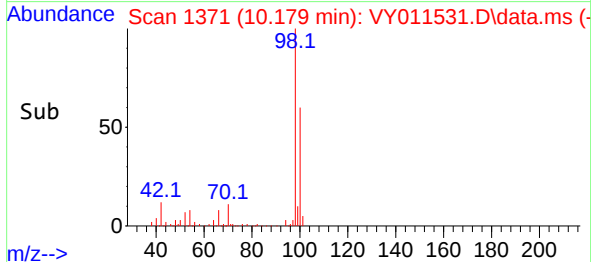
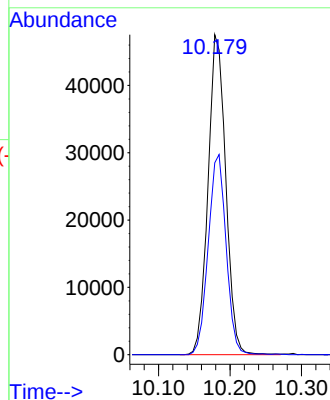
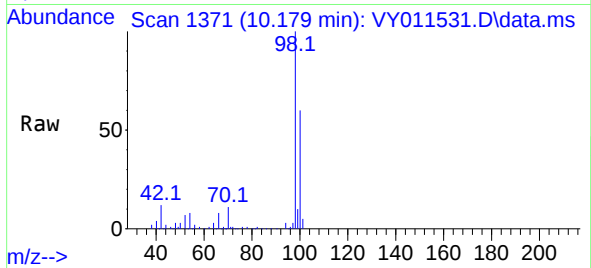




#50
Toluene-d8
Concen: 54.681 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011531.D
Acq: 21 Nov 2022 17:59

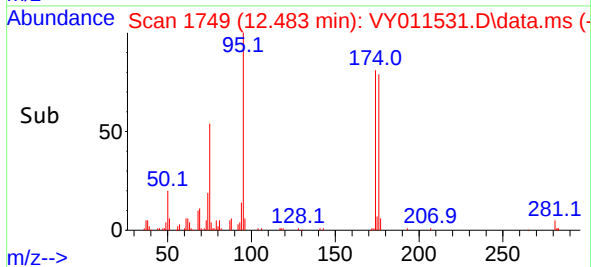
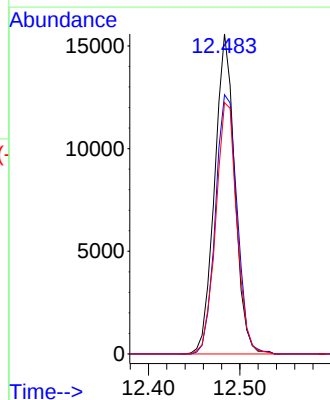
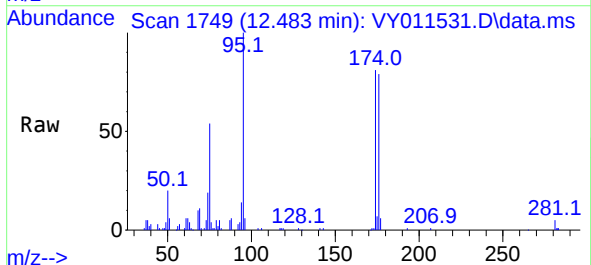
Instrument :
MSVOA_Y
ClientSampleId :

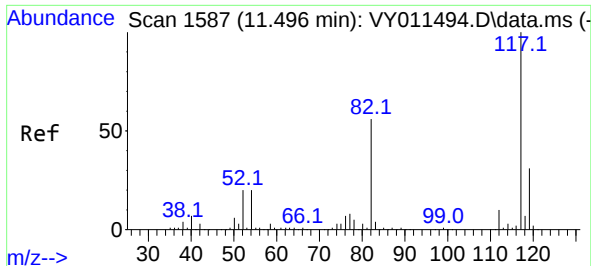
Tgt Ion: 98 Resp: 81906
Ion Ratio Lower Upper
98 100
100 63.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 43.127 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011531.D
Acq: 21 Nov 2022 17:59

Tgt Ion: 95 Resp: 23884
Ion Ratio Lower Upper
95 100
174 87.2 0.0 177.0
176 82.0 0.0 175.8

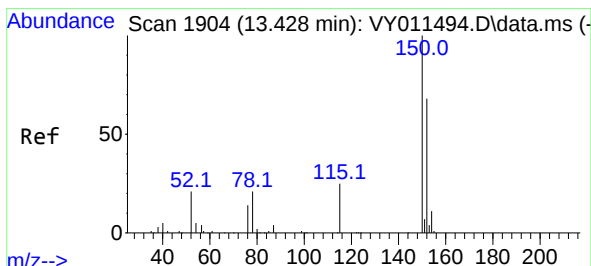
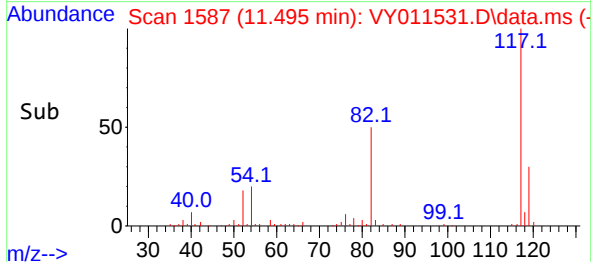
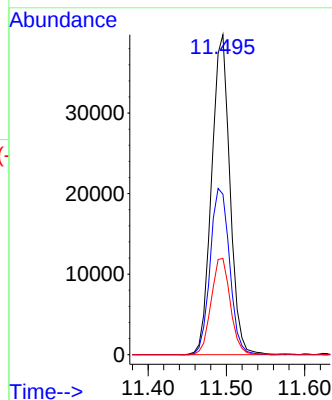
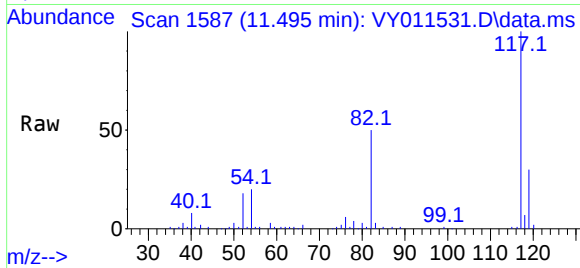




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011531.D
Acq: 21 Nov 2022 17:59

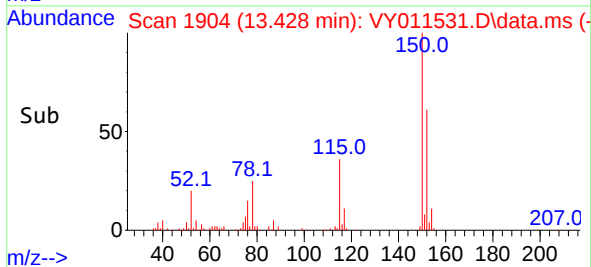
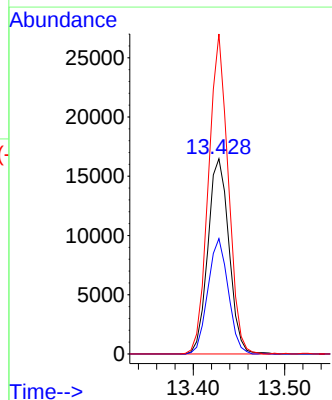
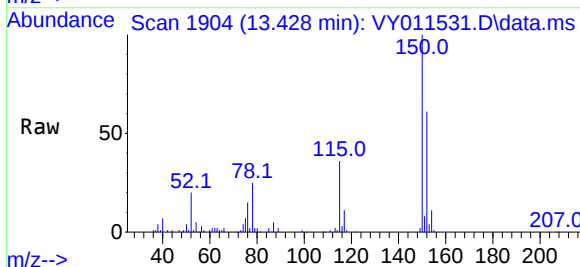
Instrument :
MSVOA_Y
ClientSampleId :

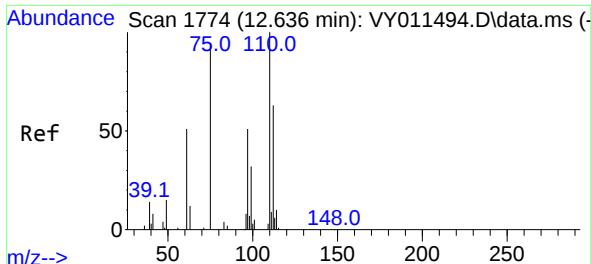
Tgt Ion:117 Resp: 64541
Ion Ratio Lower Upper
117 100
82 50.2 43.0 64.4
119 30.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011531.D
Acq: 21 Nov 2022 17:59

Tgt Ion:152 Resp: 26425
Ion Ratio Lower Upper
152 100
115 56.9 28.2 84.7
150 153.2 0.0 347.6

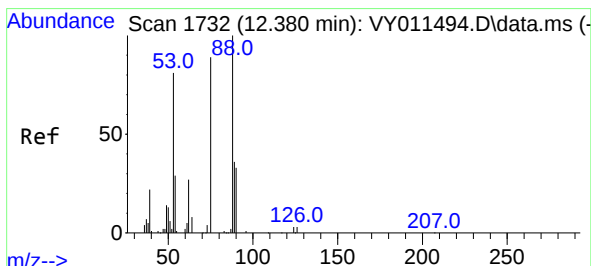
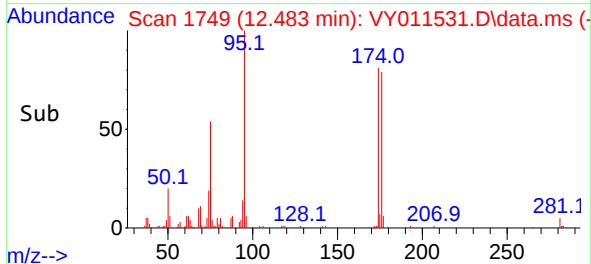
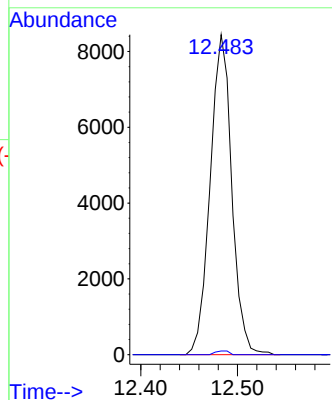
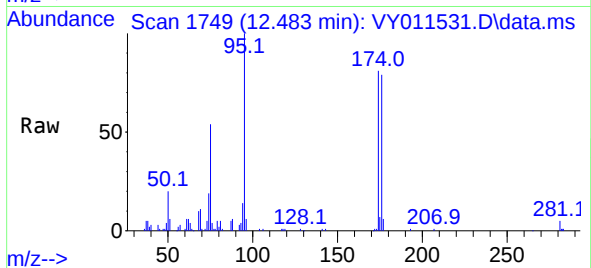




#76
1,2,3-Trichloropropane
Concen: 46.075 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011531.D
Acq: 21 Nov 2022 17:59

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 13112
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.920 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011531.D
Acq: 21 Nov 2022 17:59

Tgt Ion: 75 Resp: 13112
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

