

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112322\
 Data File : VY011585.D
 Acq On : 23 Nov 2022 19:05
 Operator : KP/MD
 Sample : N5772-02
 Misc : 7.45g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 24 00:39:40 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)

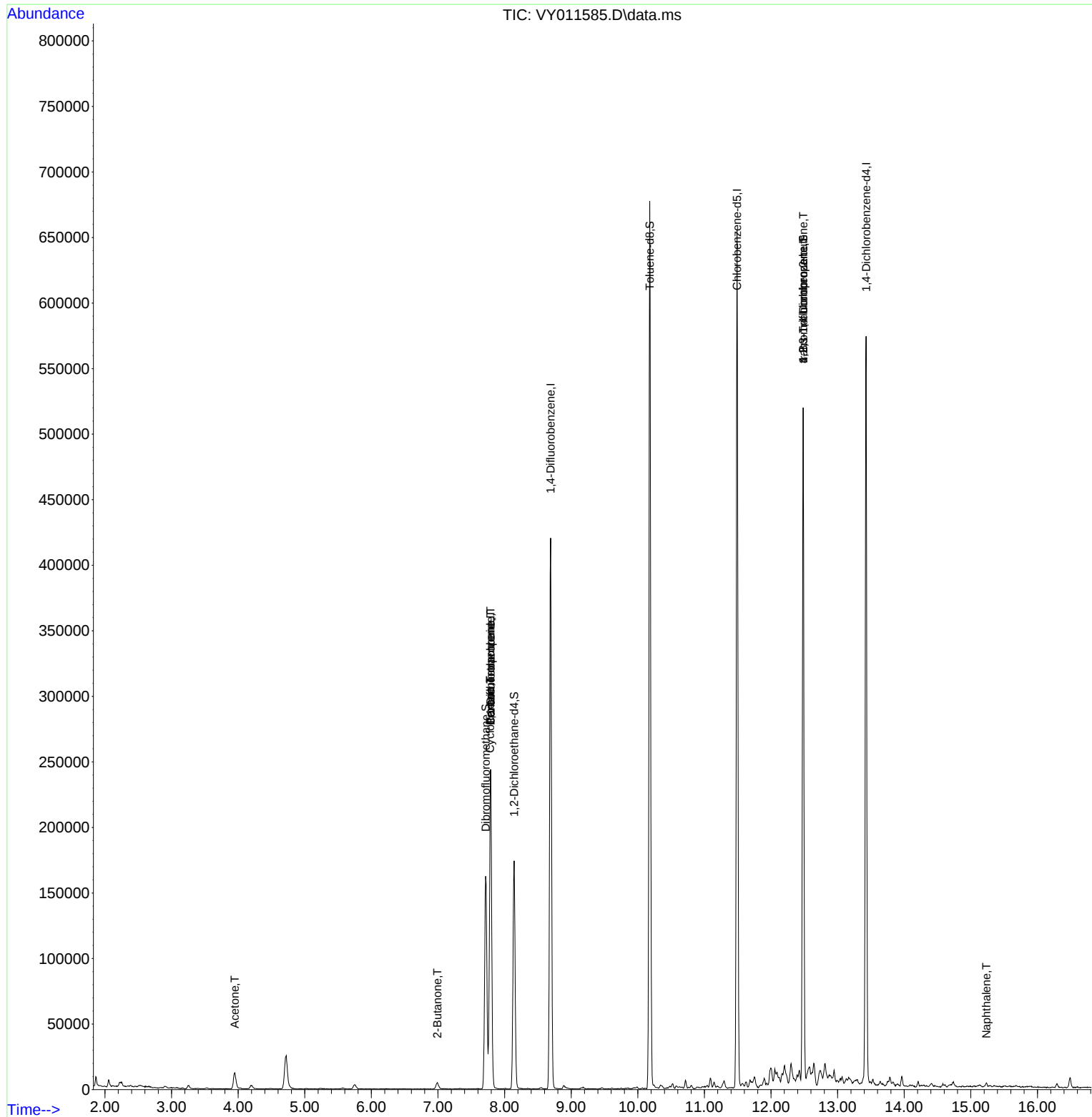
Internal Standards						
1) Pentafluorobenzene	7.789	168	185059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	346439	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	334688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	140484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	135472	72.095	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.180%	
35) Dibromofluoromethane	7.716	113	113948	53.430	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.860%	
50) Toluene-d8	10.179	98	427358	55.144	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.280%	
62) 4-Bromofluorobenzene	12.483	95	144812	50.539	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.080%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	38	Below Cal	#	43
3) Chloromethane	2.119	50	133	Below Cal	#	41
5) Bromomethane	2.662	94	39	Below Cal		82
11) Tert butyl alcohol	4.954	59	256	Below Cal	#	77
16) Acetone	3.948	43	22446	36.775	ug/l	96
18) Methyl Acetate	4.479	43	487	Below Cal	#	64
20) Methylene Chloride	4.716	84	17846	Below Cal		90
25) 2-Butanone	6.990	43	7664	9.554	ug/l	94
31) Cyclohexane	7.783	56	4368	1.402	ug/l #	27
36) 1,1-Dichloropropene	7.789	75	14967	4.490	ug/l #	52
38) Carbon Tetrachloride	7.789	117	18880	5.062	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	77767	51.402	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	77767	112.588	ug/l #	8
95) Naphthalene	15.233	128	2550	4.491	ug/l #	94

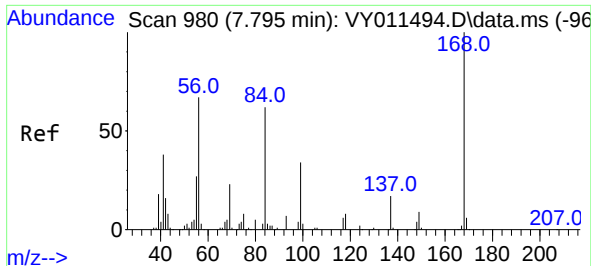
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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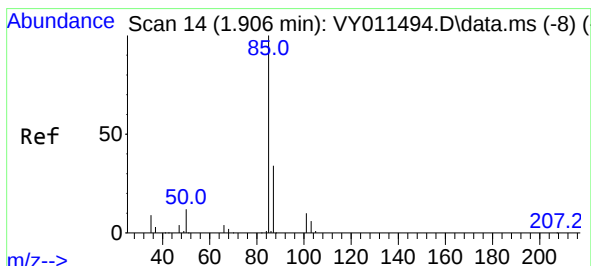
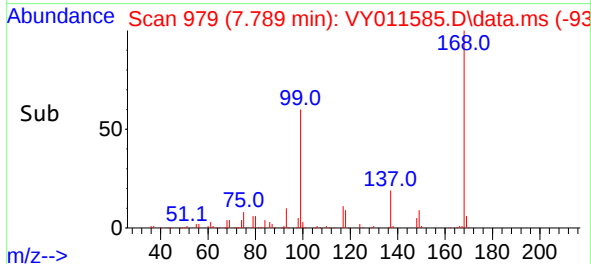
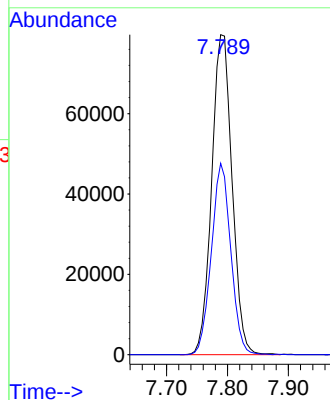
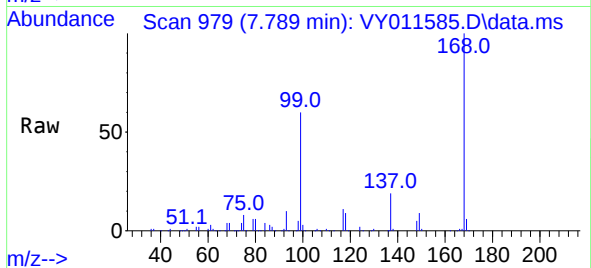




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011585.D
Acq: 23 Nov 2022 19:05

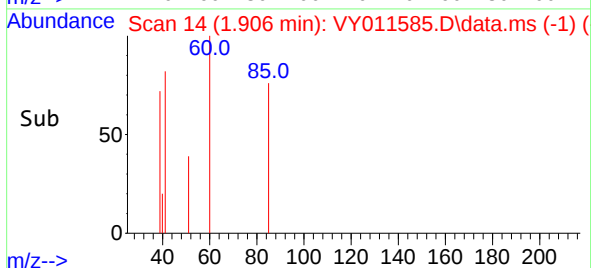
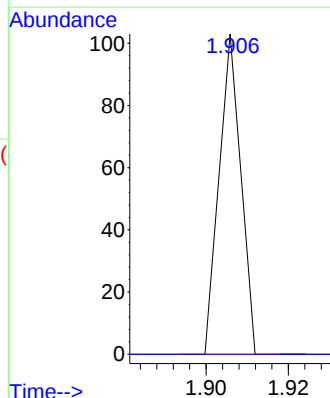
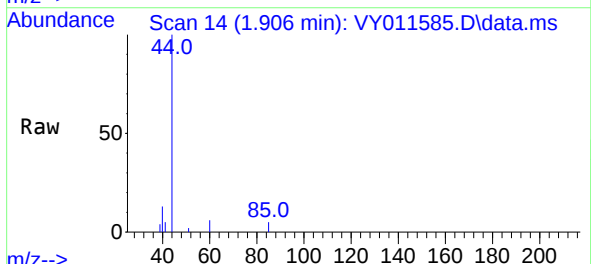
Instrument :
MSVOA_Y
ClientSampleId :

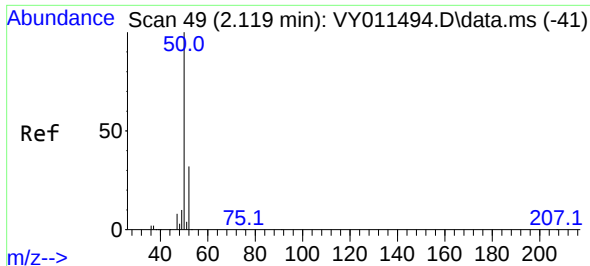
Tgt Ion:168 Resp: 185059
Ion Ratio Lower Upper
168 100
99 59.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011585.D
Acq: 23 Nov 2022 19:05

Tgt Ion: 85 Resp: 38
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

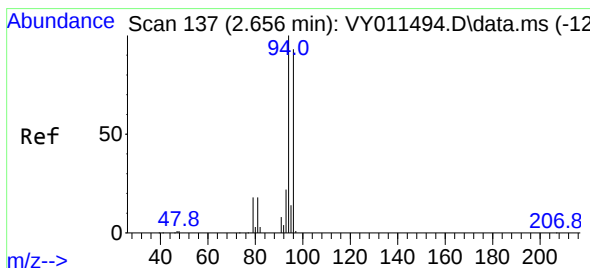
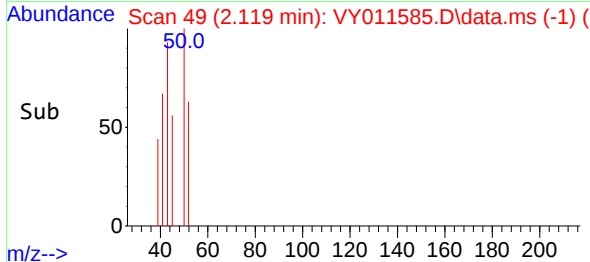
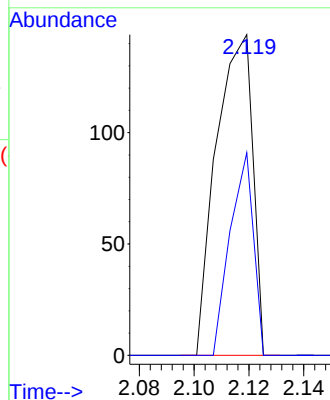
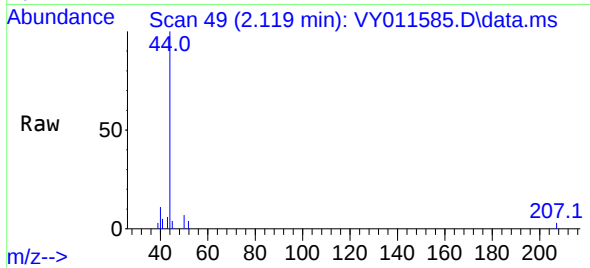




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011585.D
Acq: 23 Nov 2022 19:05

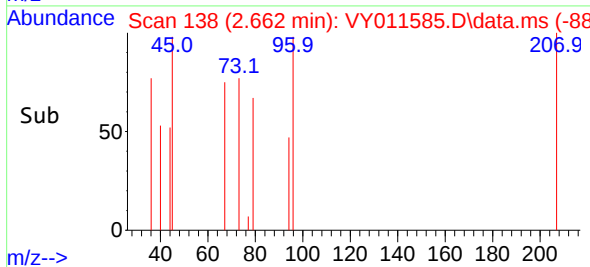
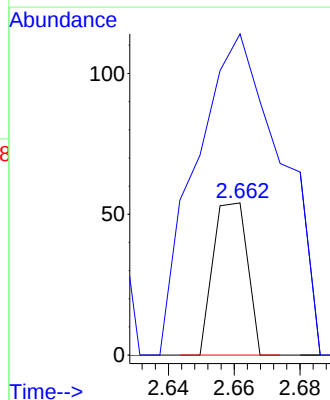
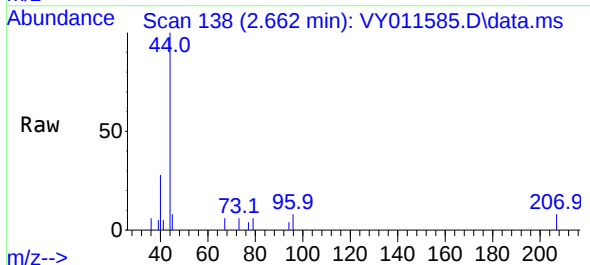
Instrument :
MSVOA_Y
ClientSampleId :

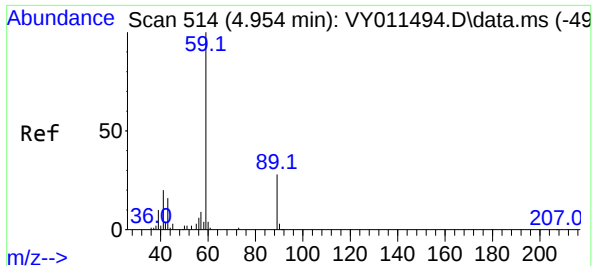
Tgt Ion: 50 Resp: 133
Ion Ratio Lower Upper
50 100
52 63.2 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY011585.D
Acq: 23 Nov 2022 19:05

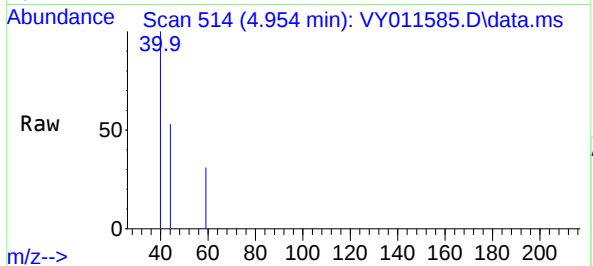
Tgt Ion: 94 Resp: 39
Ion Ratio Lower Upper
94 100
96 109.3 73.5 110.3



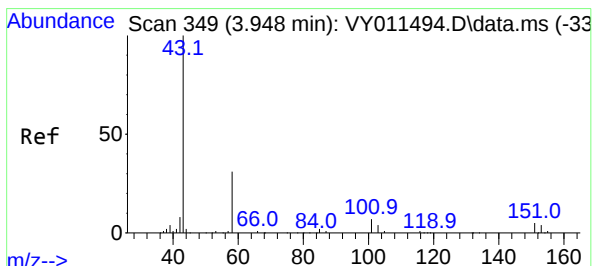
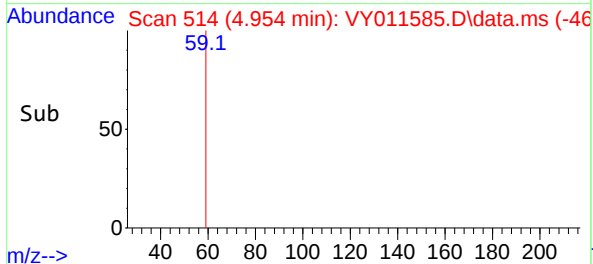
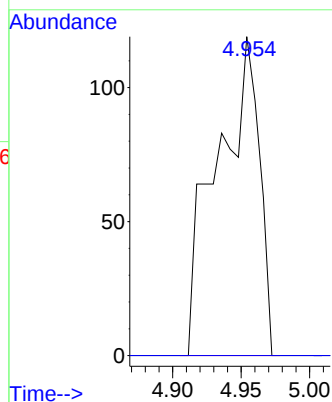


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY011585.D
Acq: 23 Nov 2022 19:05

Instrument :
MSVOA_Y
ClientSampleId :

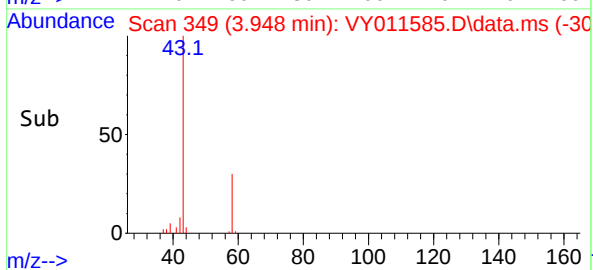
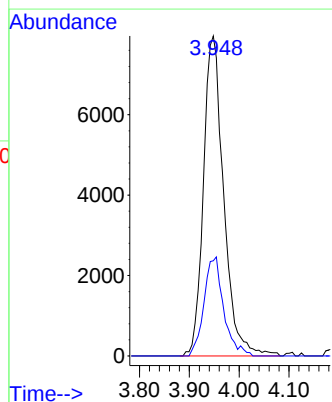
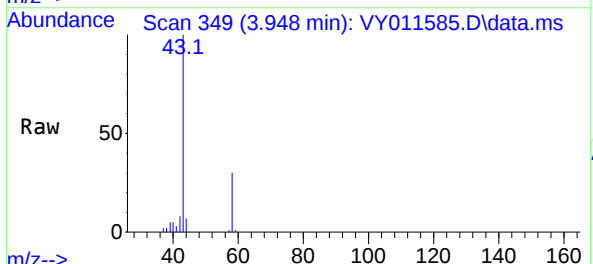


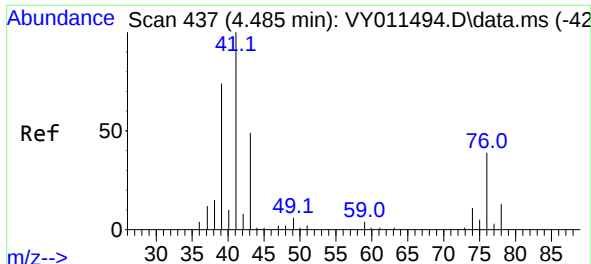
Tgt Ion: 59 Resp: 256
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 36.775 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011585.D
Acq: 23 Nov 2022 19:05

Tgt Ion: 43 Resp: 22446
Ion Ratio Lower Upper
43 100
58 29.8 22.0 33.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.479 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY011585.D

Acq: 23 Nov 2022 19:05

Instrument :

MSVOA_Y

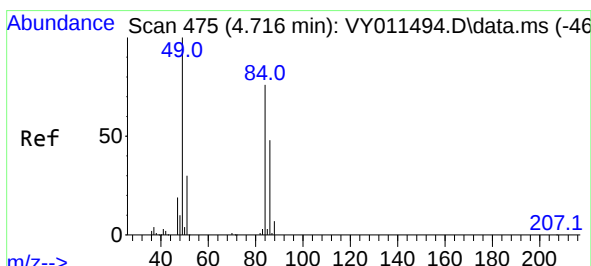
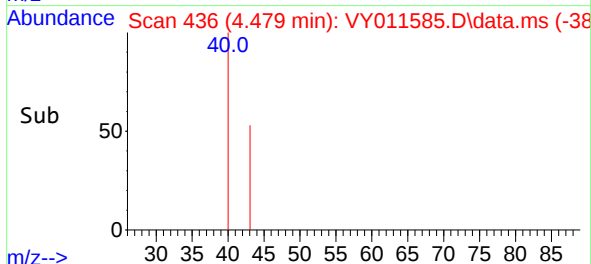
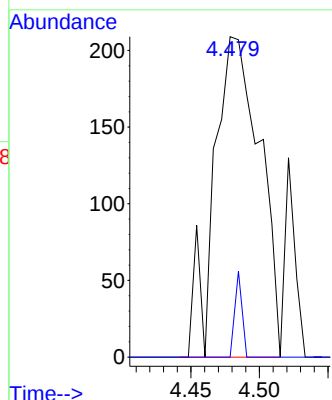
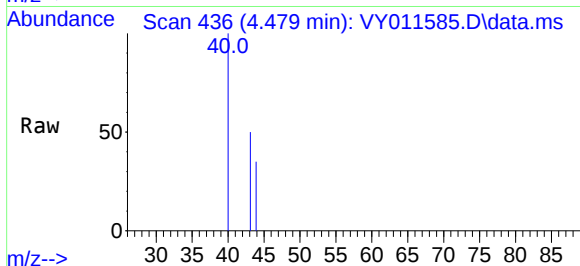
ClientSampleId :

Tgt Ion: 43 Resp: 487

Ion Ratio Lower Upper

43 100

74 4.1 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY011585.D

Acq: 23 Nov 2022 19:05

Tgt Ion: 84 Resp: 17846

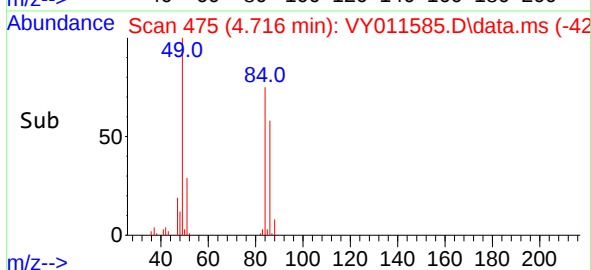
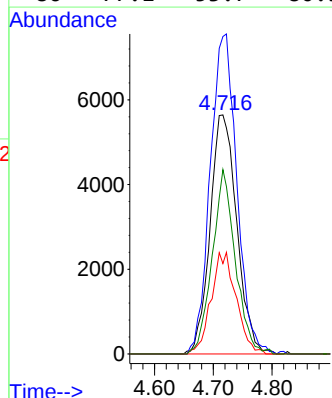
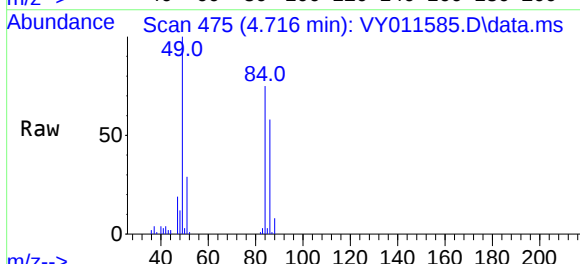
Ion Ratio Lower Upper

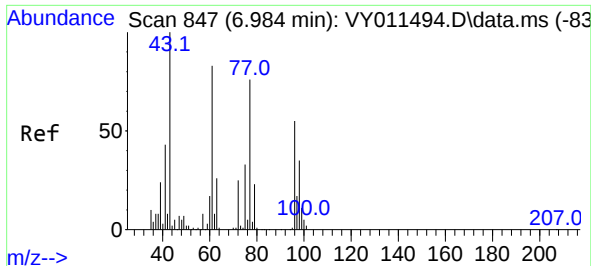
84 100

49 132.8 114.4 171.6

51 37.8 35.3 52.9

86 77.1 53.7 80.5

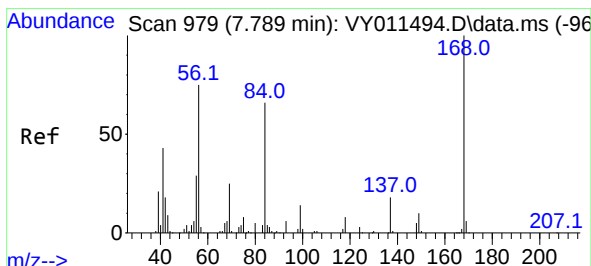
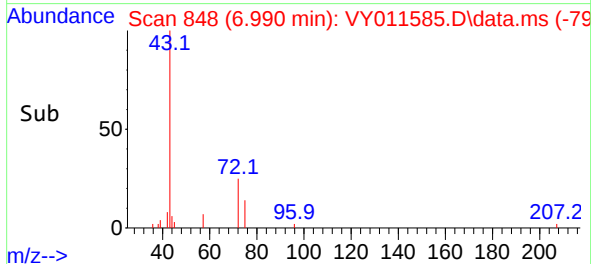
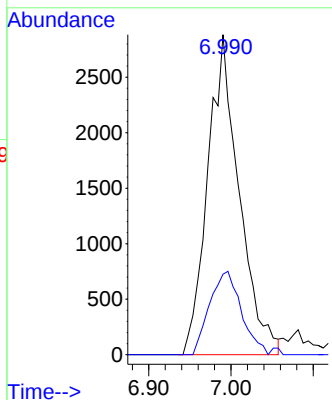
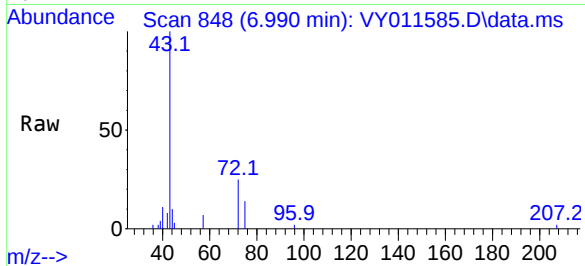




#25
2-Butanone
Concen: 9.554 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY011585.D
Acq: 23 Nov 2022 19:05

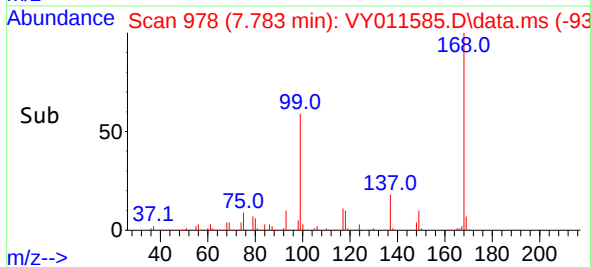
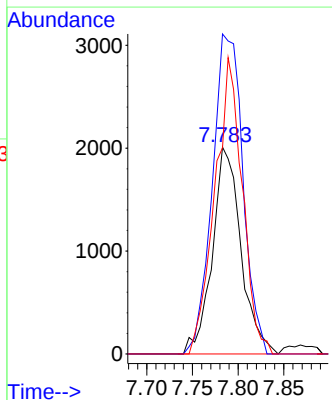
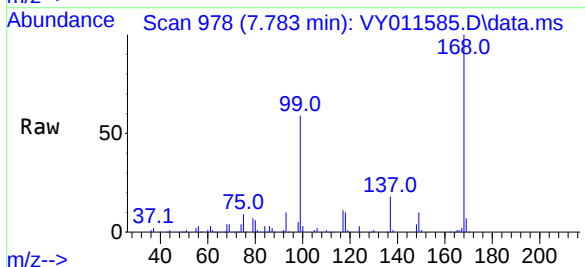
Instrument :
MSVOA_Y
ClientSampleId :

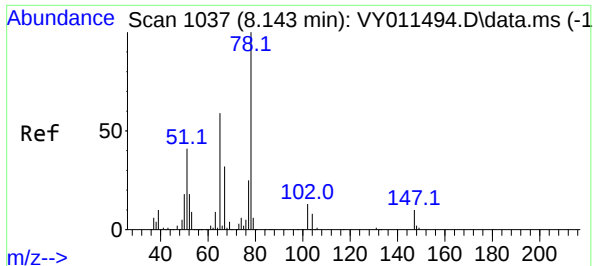
Tgt Ion: 43 Resp: 7664
Ion Ratio Lower Upper
43 100
72 25.1 17.7 26.5



#31
Cyclohexane
Concen: 1.402 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY011585.D
Acq: 23 Nov 2022 19:05

Tgt Ion: 56 Resp: 4368
Ion Ratio Lower Upper
56 100
69 154.7 26.7 40.1#
84 99.8 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 72.095 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011585.D

Acq: 23 Nov 2022 19:05

Instrument :

MSVOA_Y

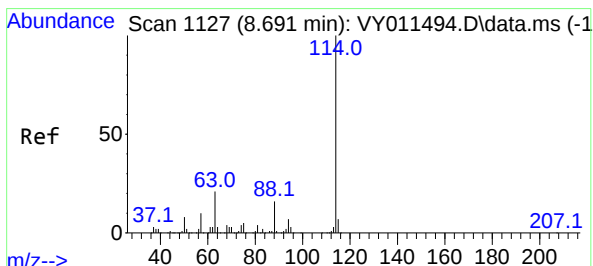
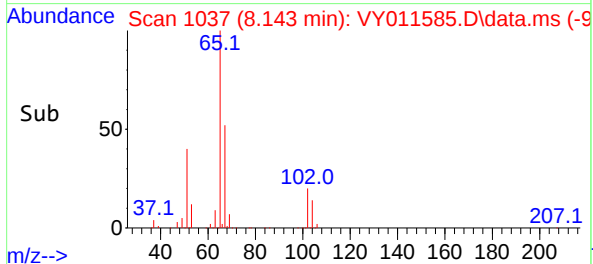
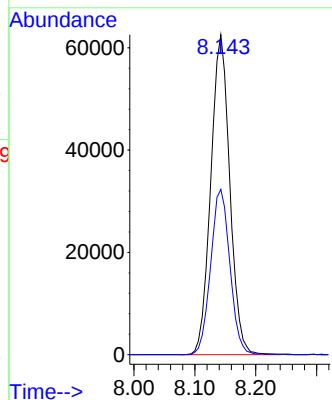
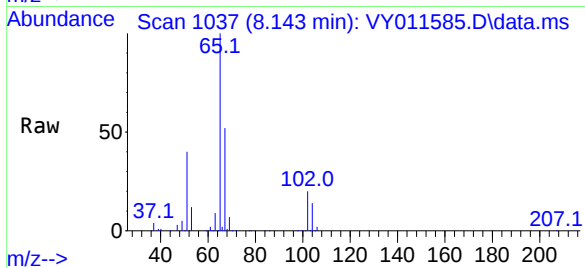
ClientSampleId :

Tgt Ion: 65 Resp: 135472

Ion Ratio Lower Upper

65 100

67 52.3 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: VY011585.D

Acq: 23 Nov 2022 19:05

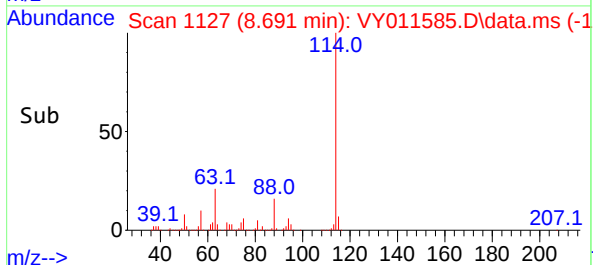
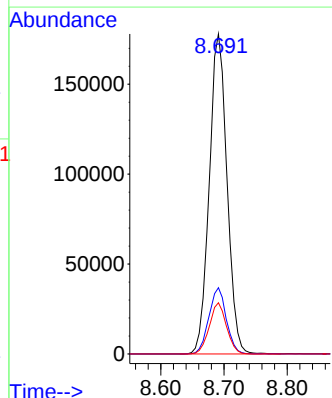
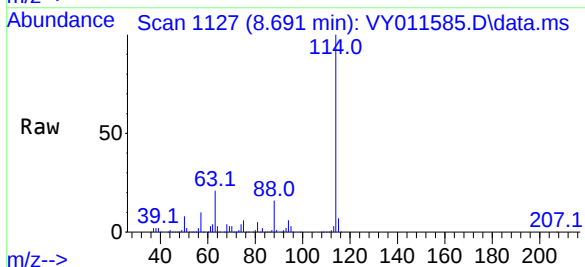
Tgt Ion:114 Resp: 346439

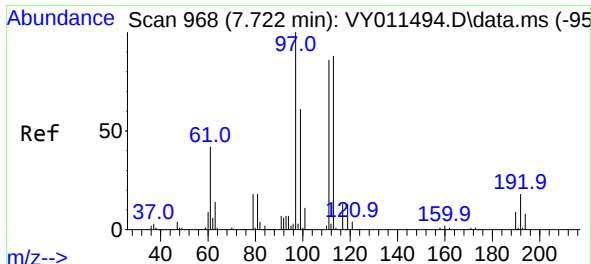
Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.2

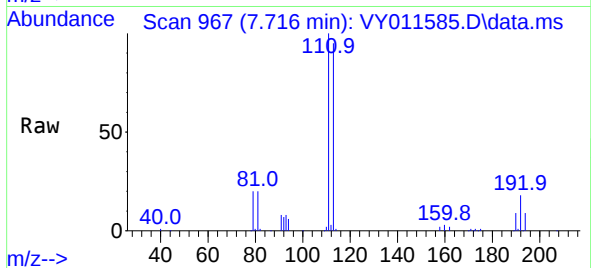
88 16.0 0.0 31.8



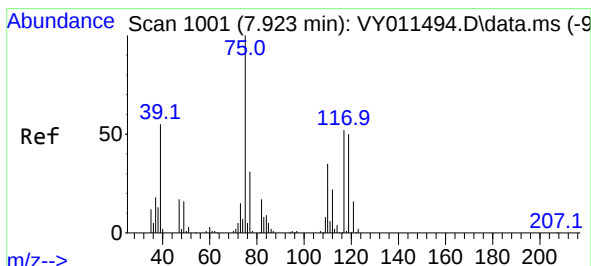
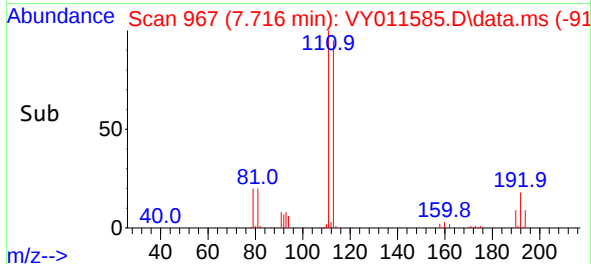
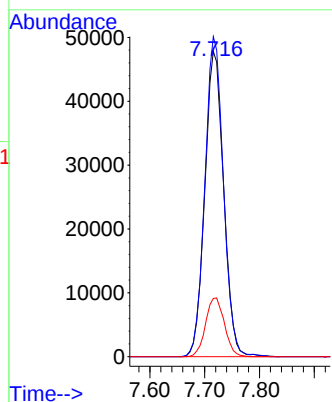


#35
Dibromofluoromethane
Concen: 53.430 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY011585.D
Acq: 23 Nov 2022 19:05

Instrument :
MSVOA_Y
ClientSampleId :

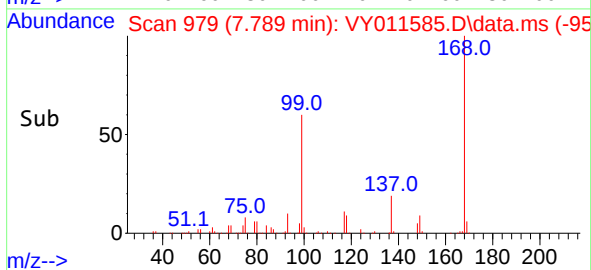
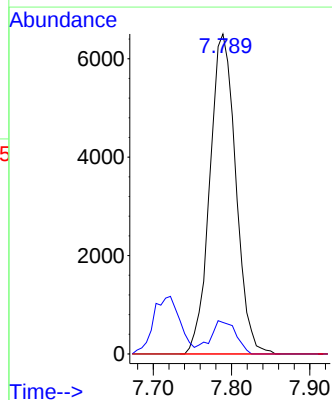
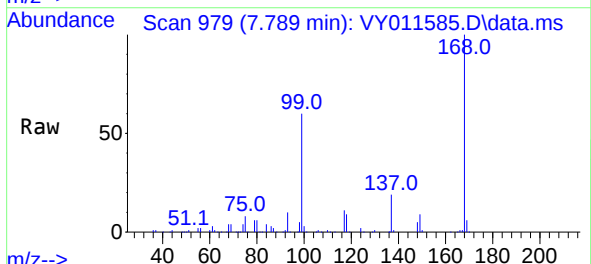


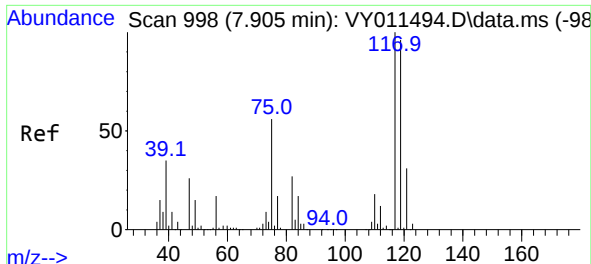
Tgt Ion:113 Resp: 113948
Ion Ratio Lower Upper
113 100
111 103.3 82.6 124.0
192 19.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.490 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY011585.D
Acq: 23 Nov 2022 19:05

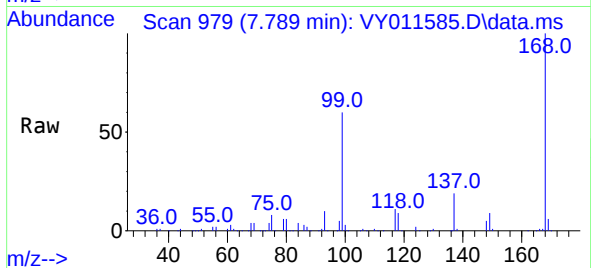
Tgt Ion: 75 Resp: 14967
Ion Ratio Lower Upper
75 100
110 10.3 17.1 51.2#
77 0.0 24.4 36.6#



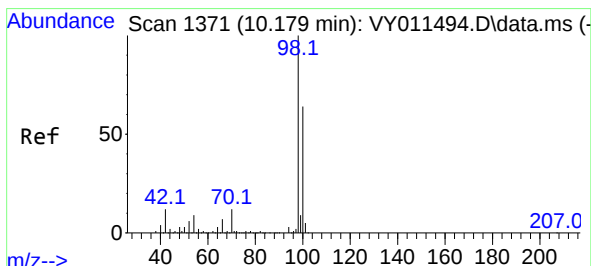
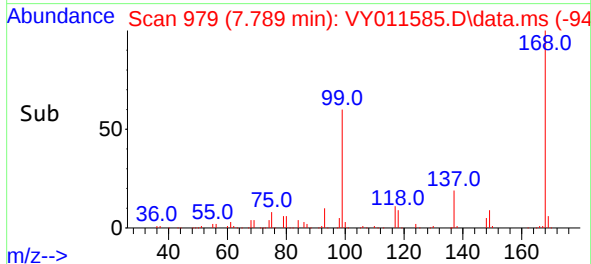
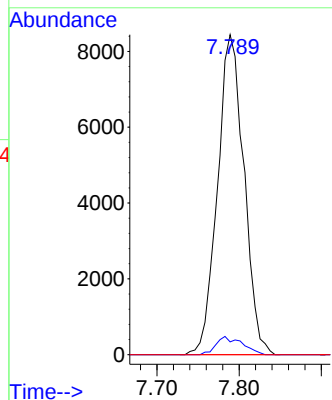


#38
Carbon Tetrachloride
Concen: 5.062 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011585.D
Acq: 23 Nov 2022 19:05

Instrument :
MSVOA_Y
ClientSampleId :

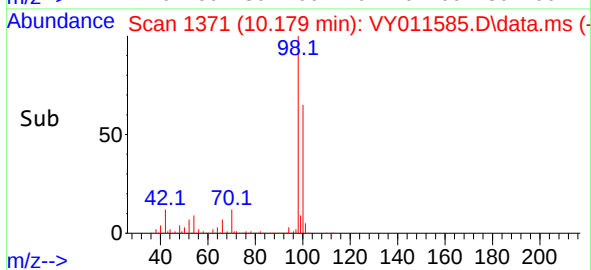
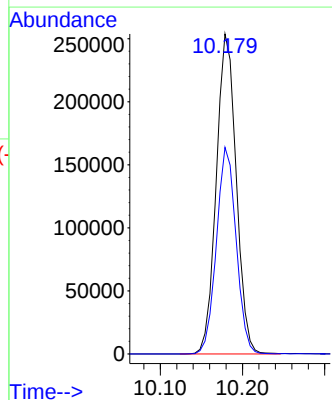
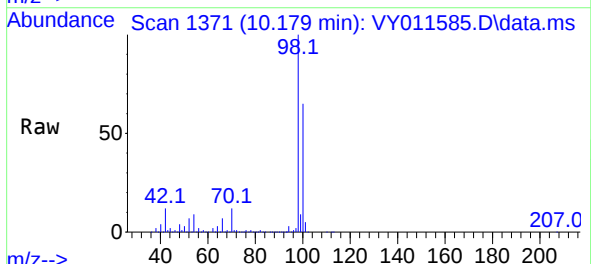


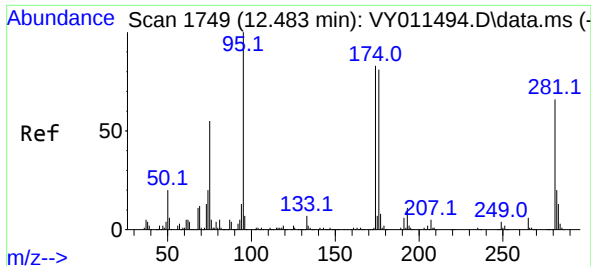
Tgt Ion:117 Resp: 18880
Ion Ratio Lower Upper
117 100
119 4.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 55.144 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011585.D
Acq: 23 Nov 2022 19:05

Tgt Ion: 98 Resp: 427358
Ion Ratio Lower Upper
98 100
100 63.8 50.2 75.2

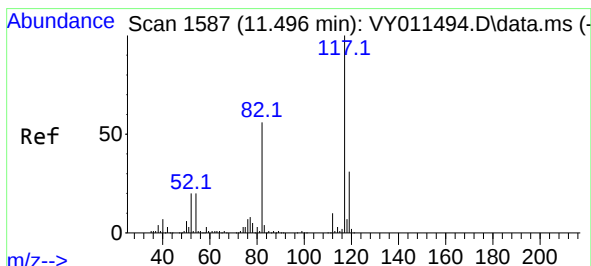
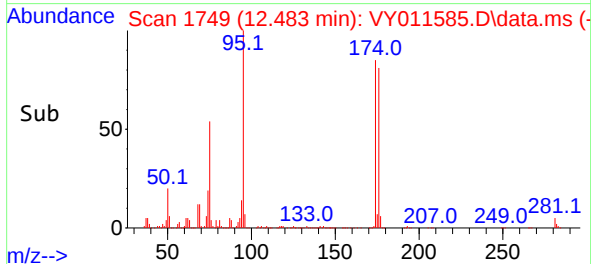
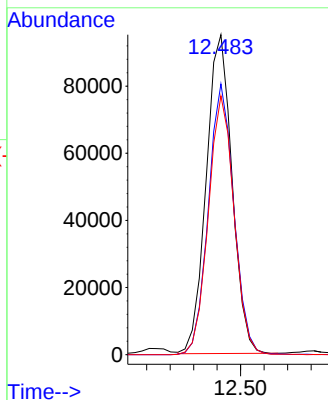
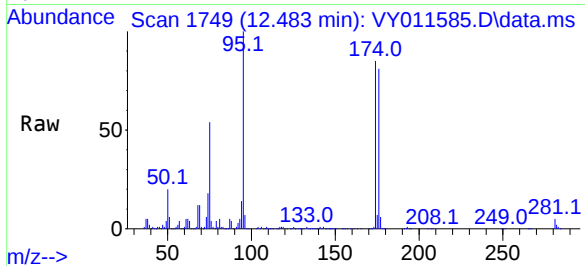




#62
4-Bromofluorobenzene
Concen: 50.539 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011585.D
Acq: 23 Nov 2022 19:05

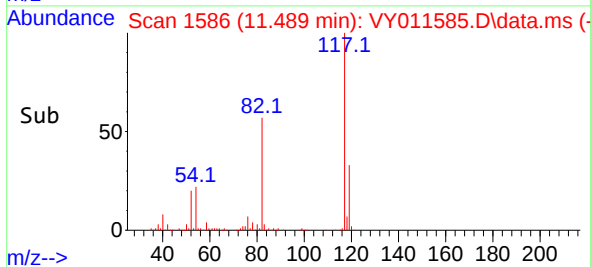
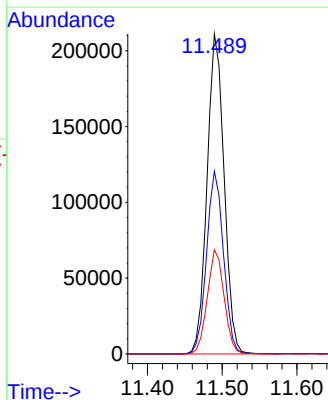
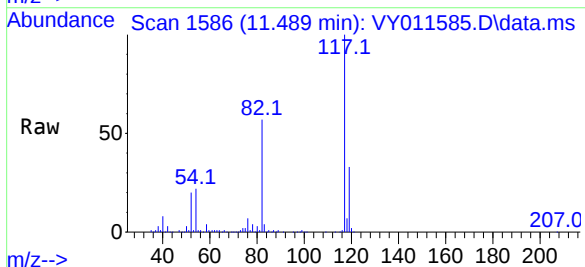
Instrument :
MSVOA_Y
ClientSampleId :

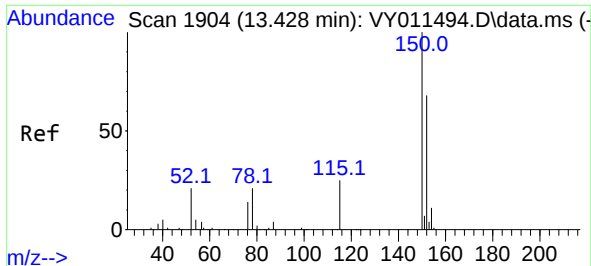
Tgt Ion: 95 Resp: 144812
Ion Ratio Lower Upper
95 100
174 83.8 0.0 177.0
176 80.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.007 min
Lab File: VY011585.D
Acq: 23 Nov 2022 19:05

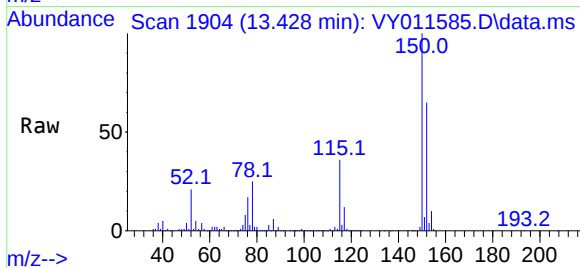
Tgt Ion:117 Resp: 334688
Ion Ratio Lower Upper
117 100
82 57.1 43.0 64.4
119 32.5 25.4 38.0



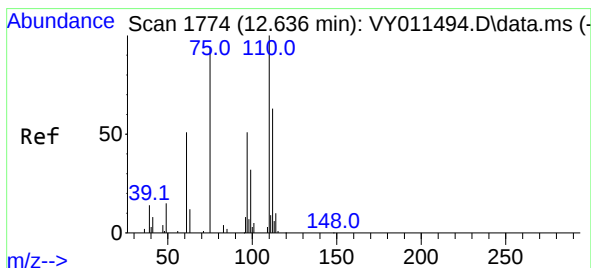
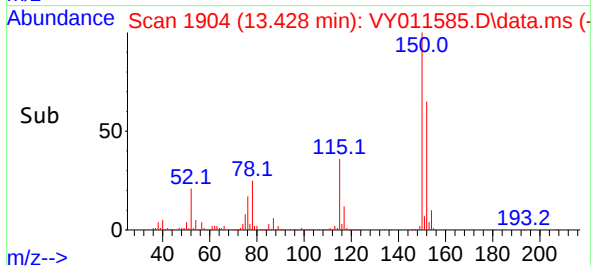
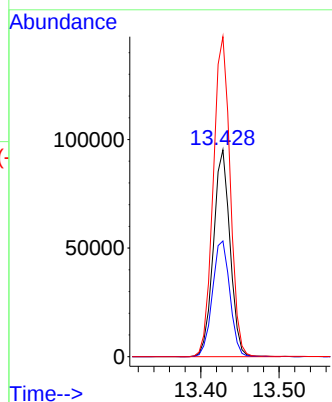


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY011585.D
 Acq: 23 Nov 2022 19:05

Instrument :
 MSVOA_Y
 ClientSampleId :

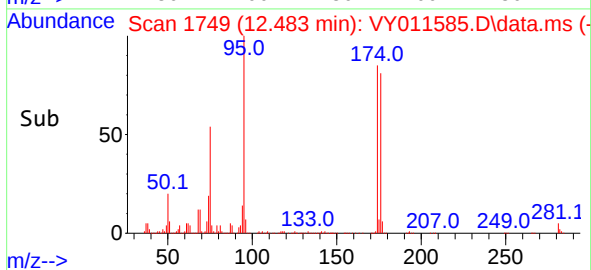
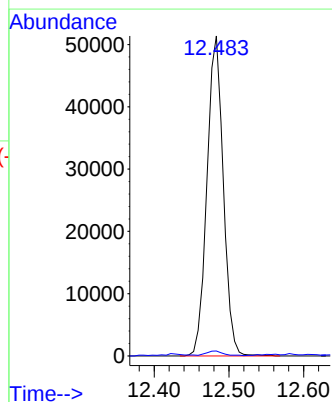
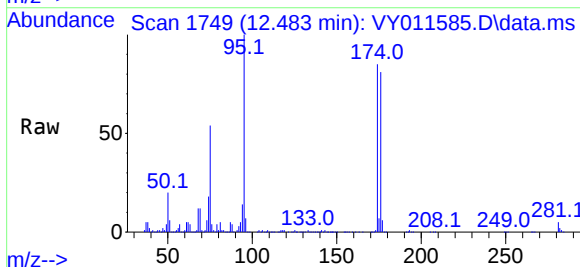


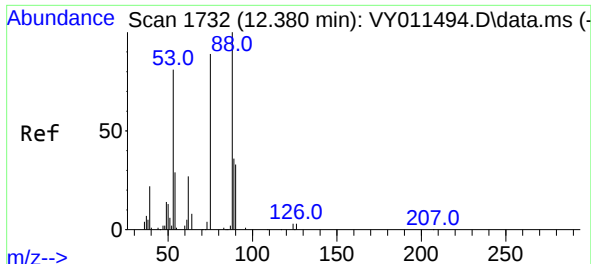
Tgt Ion:152 Resp: 140484
 Ion Ratio Lower Upper
 152 100
 115 58.8 28.2 84.7
 150 157.5 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 51.402 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY011585.D
 Acq: 23 Nov 2022 19:05

Tgt Ion: 75 Resp: 77767
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

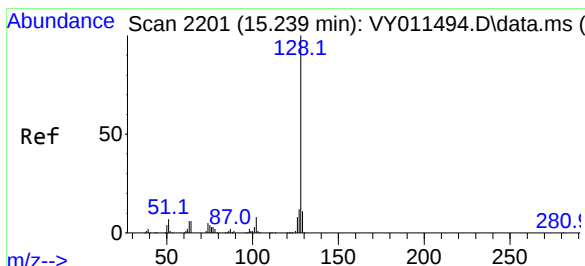
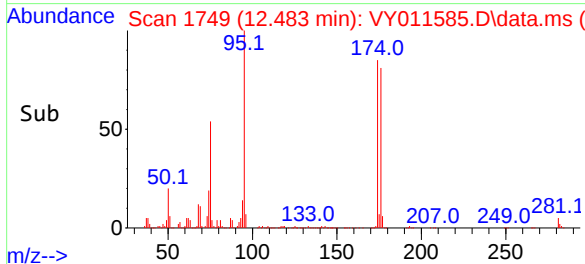
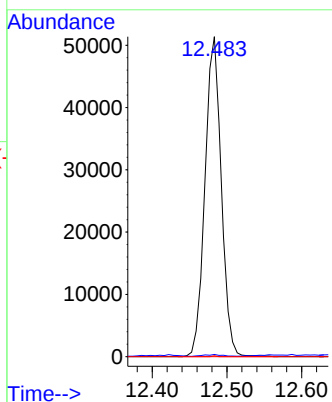
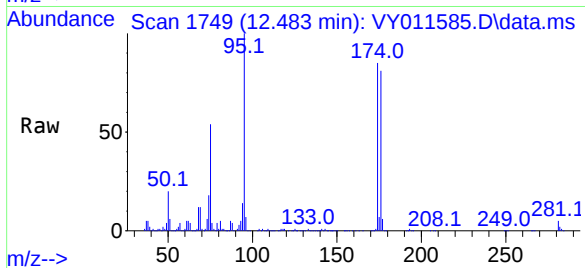




#81
trans-1,4-Dichloro-2-butene
Concen: 112.588 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011585.D
Acq: 23 Nov 2022 19:05

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 77767
Ion Ratio Lower Upper
75 100
53 0.6 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 4.491 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY011585.D
Acq: 23 Nov 2022 19:05

Tgt Ion:128 Resp: 2550
Ion Ratio Lower Upper
128 100
127 16.8 11.0 16.4#
129 11.7 8.4 12.6

