

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111622\
 Data File : VY011473.D
 Acq On : 16 Nov 2022 15:08
 Operator : KP/MD
 Sample : N5641-03
 Misc : 6.56g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 17 03:16:30 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)

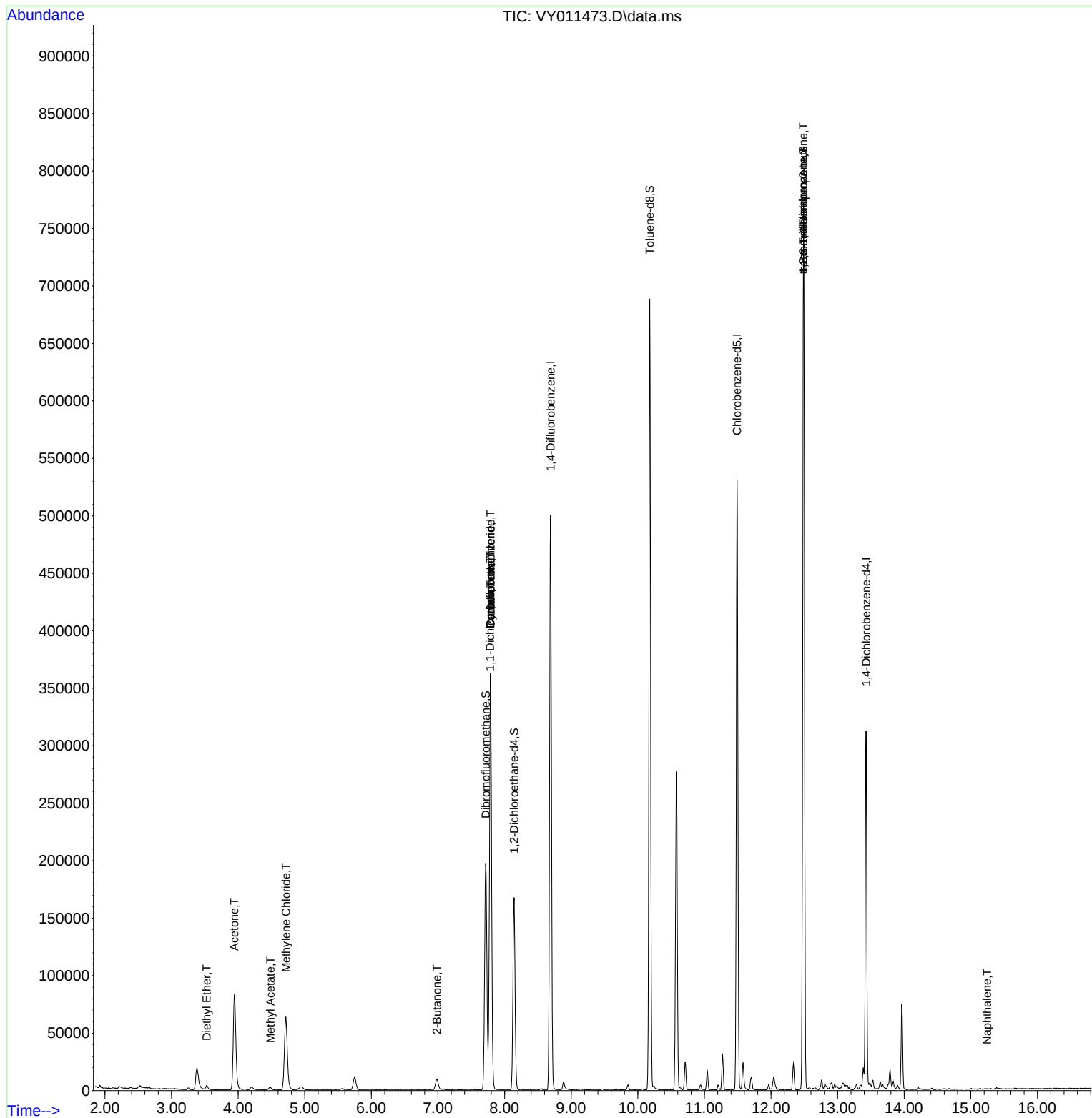
Internal Standards						
1) Pentafluorobenzene	7.789	168	290288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	455883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	316934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	83771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	130698	53.729	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.460%	
35) Dibromofluoromethane	7.716	113	145666	57.015	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.040%	
50) Toluene-d8	10.179	98	470605	48.216	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.440%	
62) 4-Bromofluorobenzene	12.483	95	108239	31.794	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 63.580%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	68	Below Cal	#	43
8) Diethyl Ether	3.527	74	1999	1.312	ug/l	97
11) Tert butyl alcohol	4.942	59	5867	Below Cal	#	94
16) Acetone	3.942	43	142392	221.830	ug/l	# 80
18) Methyl Acetate	4.485	43	4442	1.406	ug/l	# 83
20) Methylene Chloride	4.716	84	52457	8.871	ug/l	# 77
25) 2-Butanone	6.984	43	10976	12.004	ug/l	# 71
31) Cyclohexane	7.789	56	4736	1.084	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	19030	4.799	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	26735	6.198	ug/l	# 16
76) 1,2,3-Trichloropropane	12.483	75	54556	56.262	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	54556	135.237	ug/l	# 9
95) Naphthalene	15.245	128	606	3.454	ug/l	# 69

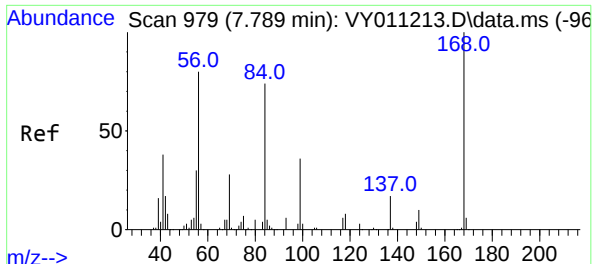
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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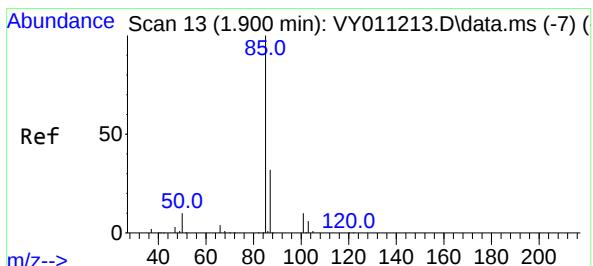
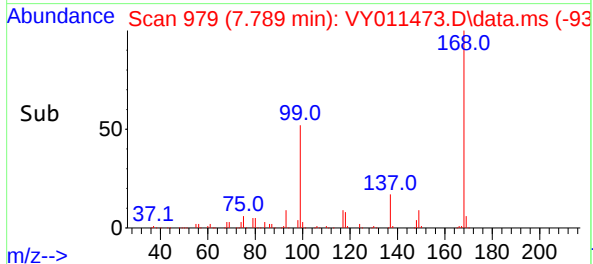
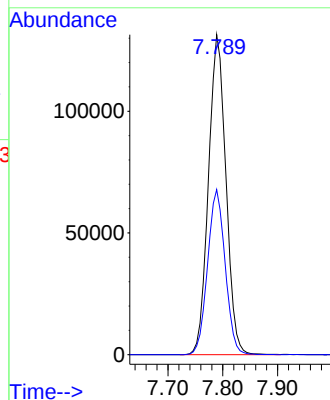
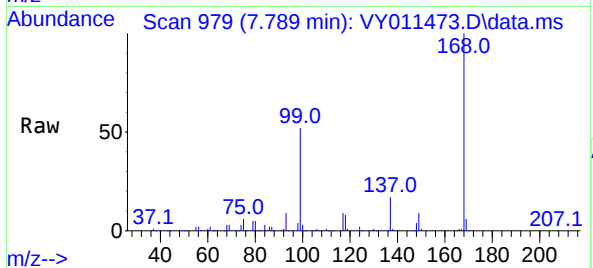




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011473.D
Acq: 16 Nov 2022 15:08

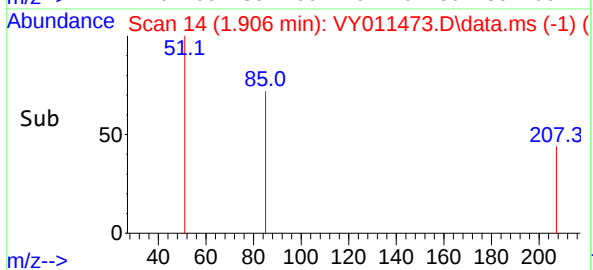
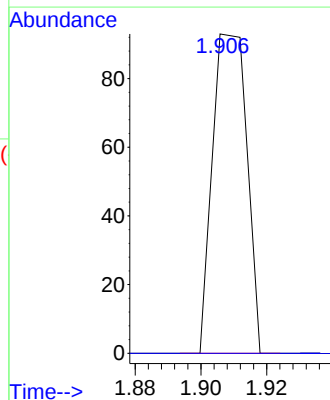
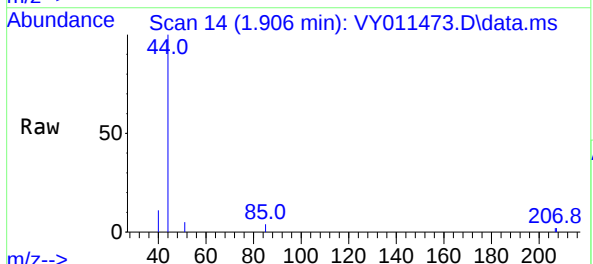
Instrument :
MSVOA_Y
ClientSampleId :

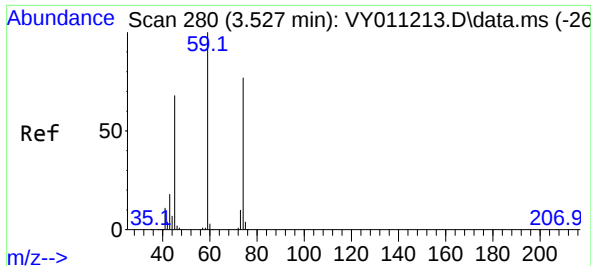
Tgt Ion:168 Resp: 290288
Ion Ratio Lower Upper
168 100
99 51.6 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY011473.D
Acq: 16 Nov 2022 15:08

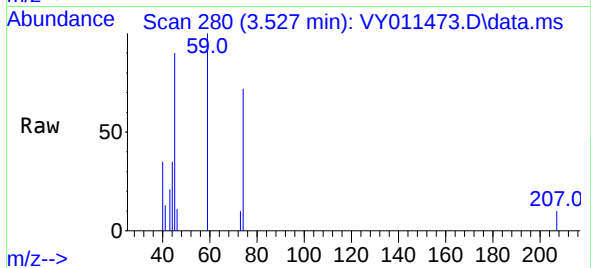
Tgt Ion: 85 Resp: 68
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



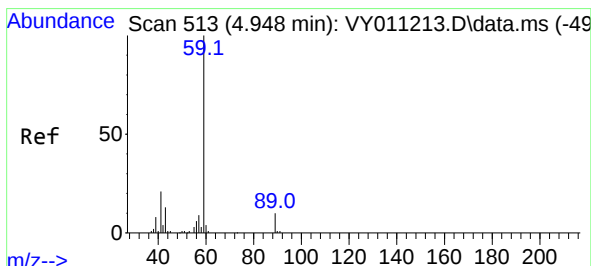
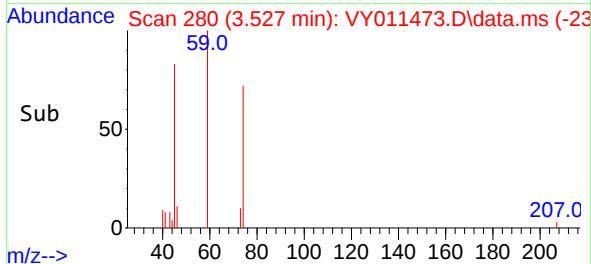


#8
Diethyl Ether
Concen: 1.312 ug/l
RT: 3.527 min Scan# 21
Delta R.T. -0.001 min
Lab File: VY011473.D
Acq: 16 Nov 2022 15:08

Instrument :
MSVOA_Y
ClientSampleId :

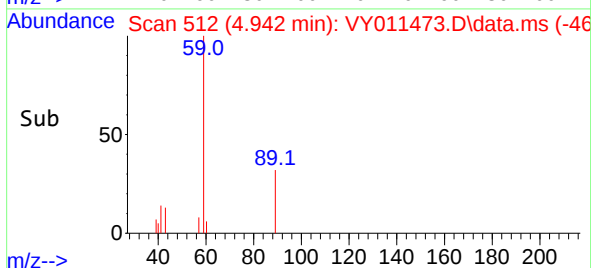
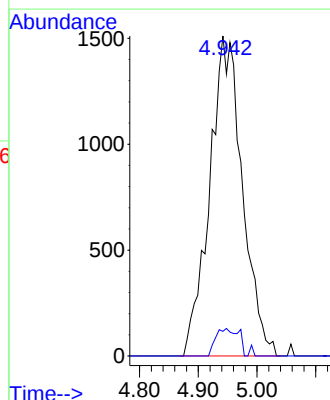
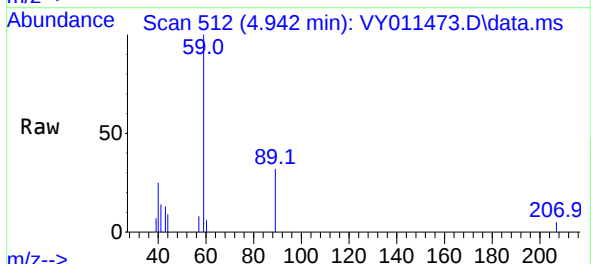


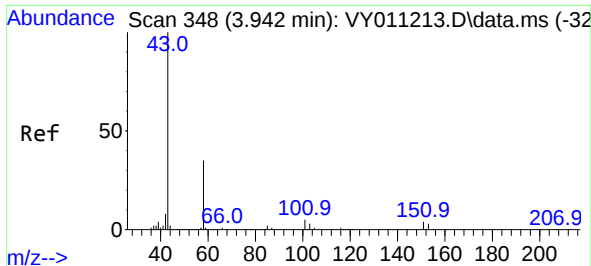
Tgt Ion: 74 Resp: 1999
Ion Ratio Lower Upper
74 100
45 106.9 55.1 165.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY011473.D
Acq: 16 Nov 2022 15:08

Tgt Ion: 59 Resp: 5867
Ion Ratio Lower Upper
59 100
57 6.0 6.4 9.6#

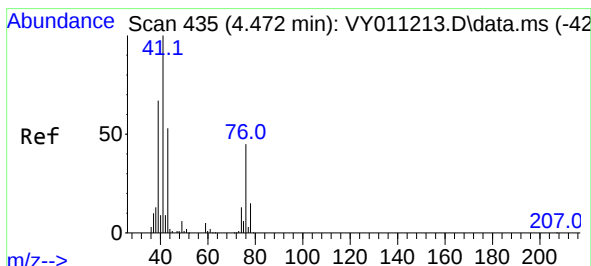
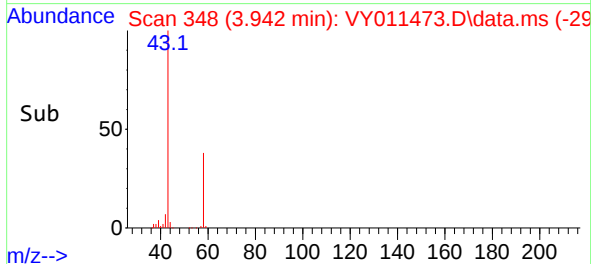
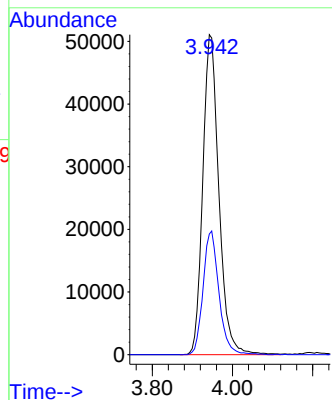
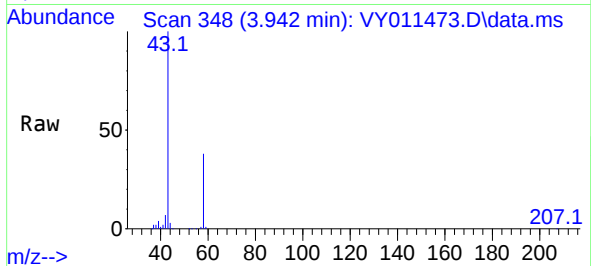




#16
Acetone
Concen: 221.830 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY011473.D
Acq: 16 Nov 2022 15:08

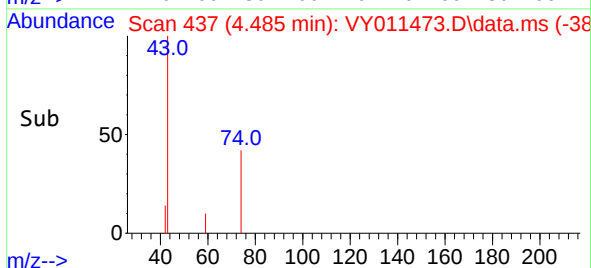
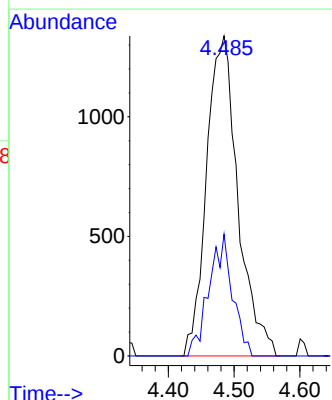
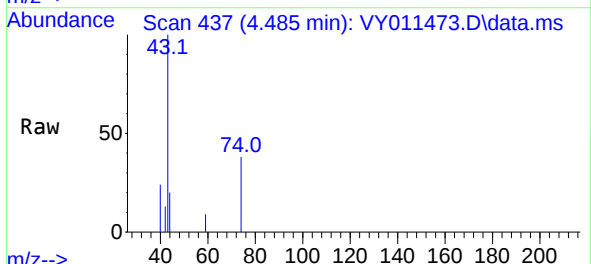
Instrument :
MSVOA_Y
ClientSampleId :

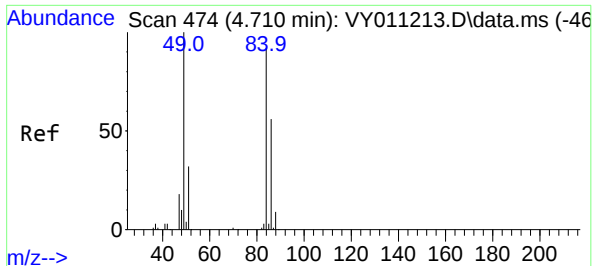
Tgt Ion: 43 Resp: 142392
Ion Ratio Lower Upper
43 100
58 37.7 22.0 33.0#



#18
Methyl Acetate
Concen: 1.406 ug/l
RT: 4.485 min Scan# 437
Delta R.T. 0.012 min
Lab File: VY011473.D
Acq: 16 Nov 2022 15:08

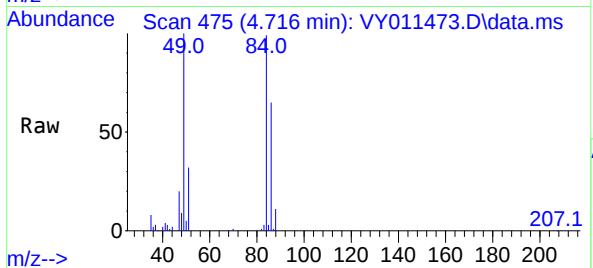
Tgt Ion: 43 Resp: 4442
Ion Ratio Lower Upper
43 100
74 28.6 16.6 24.8#



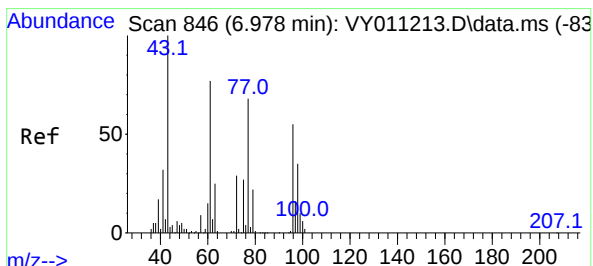
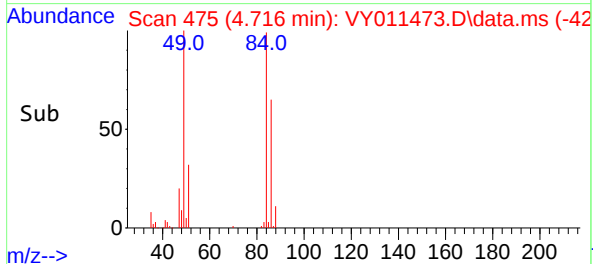
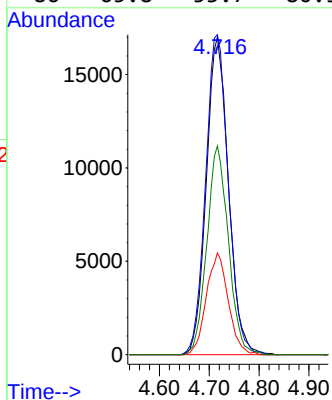


#20
Methylene Chloride
Concen: 8.871 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011473.D
Acq: 16 Nov 2022 15:08

Instrument :
MSVOA_Y
ClientSampleId :

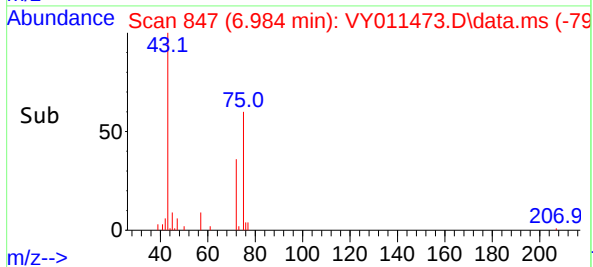
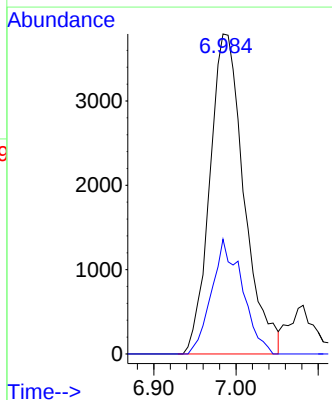
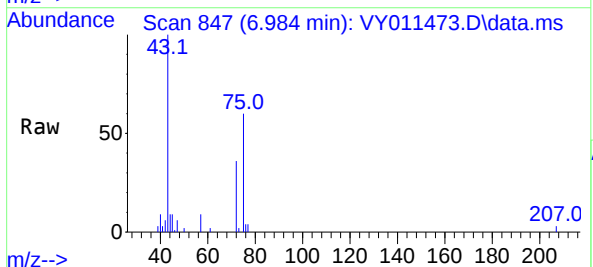


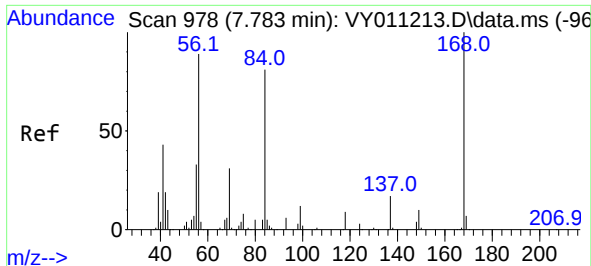
Tgt Ion: 84 Resp: 52457
Ion Ratio Lower Upper
84 100
49 100.8 114.4 171.6#
51 32.1 35.3 52.9#
86 65.8 53.7 80.5



#25
2-Butanone
Concen: 12.004 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY011473.D
Acq: 16 Nov 2022 15:08

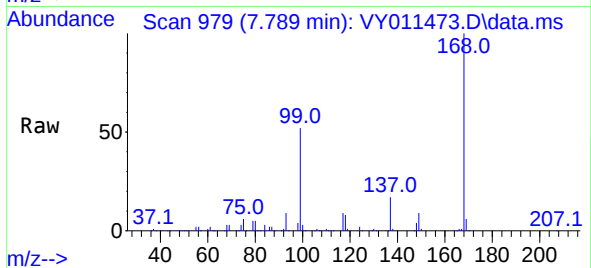
Tgt Ion: 43 Resp: 10976
Ion Ratio Lower Upper
43 100
72 35.9 17.7 26.5#



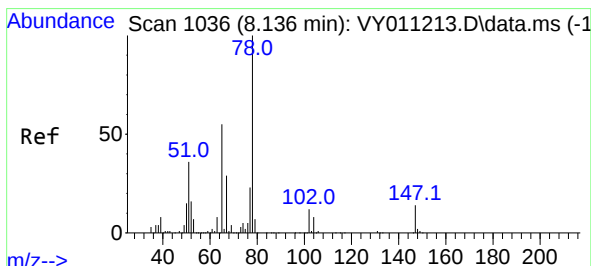
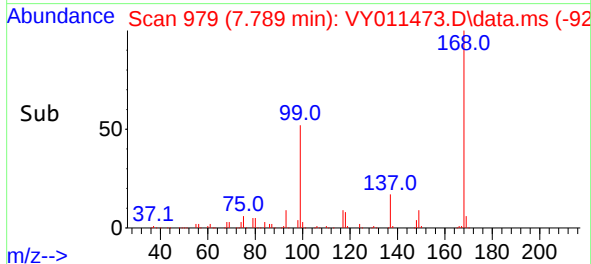
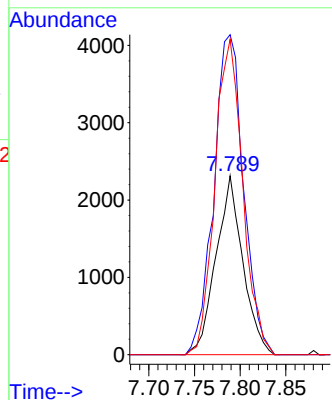


#31
Cyclohexane
Concen: 1.084 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011473.D
Acq: 16 Nov 2022 15:08

Instrument :
MSVOA_Y
ClientSampleId :

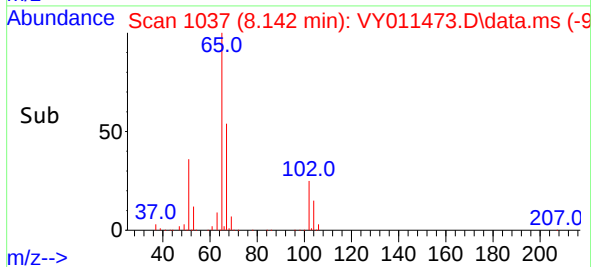
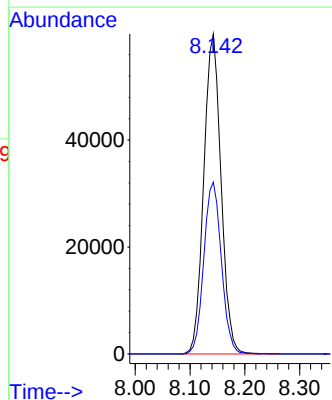
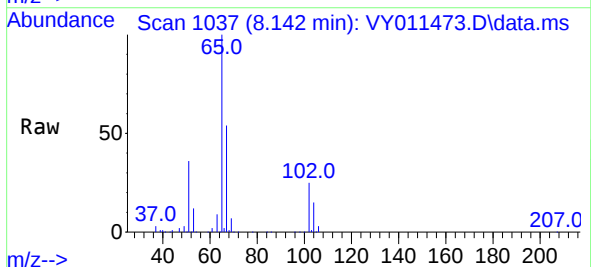


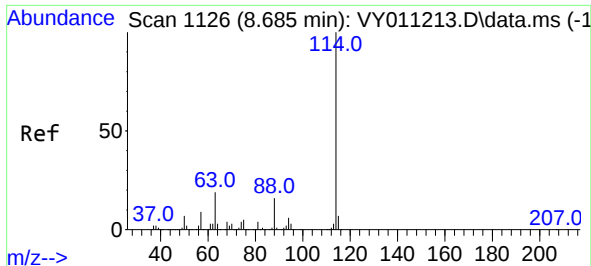
Tgt Ion: 56 Resp: 4736
Ion Ratio Lower Upper
56 100
69 178.9 26.7 40.1#
84 176.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 53.729 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY011473.D
Acq: 16 Nov 2022 15:08

Tgt Ion: 65 Resp: 130698
Ion Ratio Lower Upper
65 100
67 54.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY011473.D

Acq: 16 Nov 2022 15:08

Instrument :

MSVOA_Y

ClientSampleId :

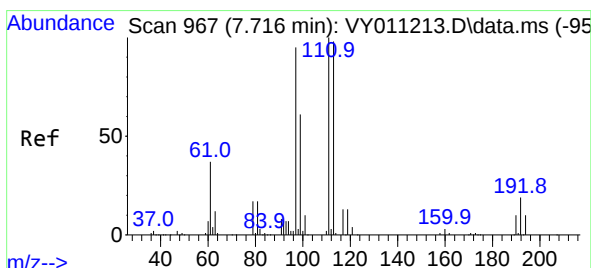
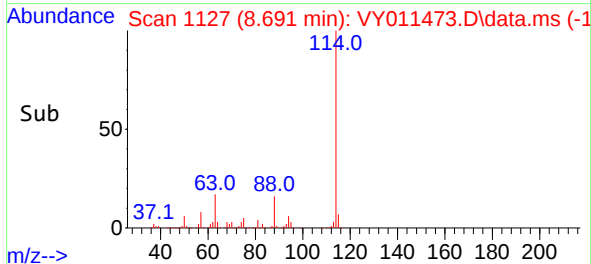
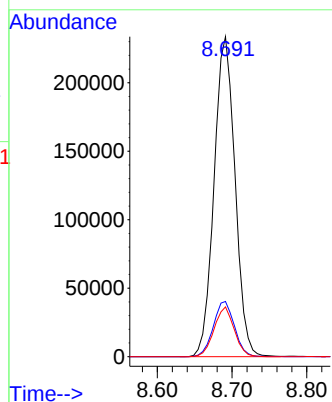
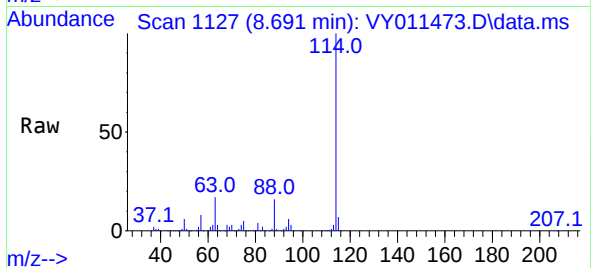
Tgt Ion:114 Resp: 455883

Ion Ratio Lower Upper

114 100

63 17.2 0.0 43.2

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 57.015 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011473.D

Acq: 16 Nov 2022 15:08

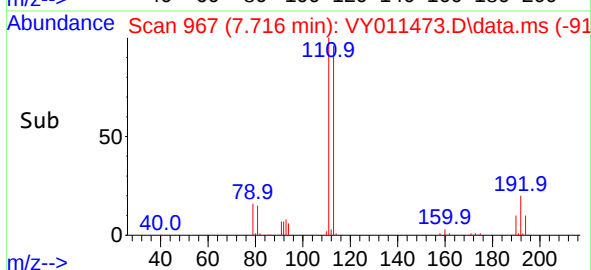
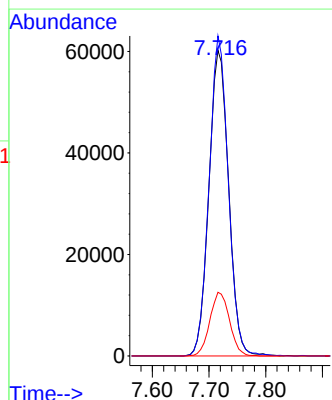
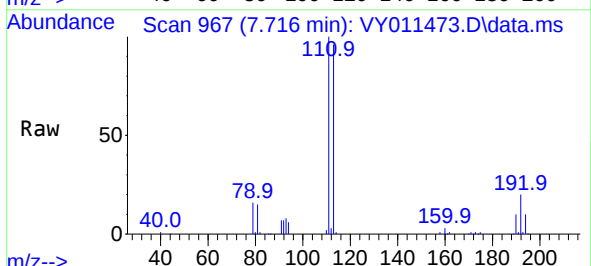
Tgt Ion:113 Resp: 145666

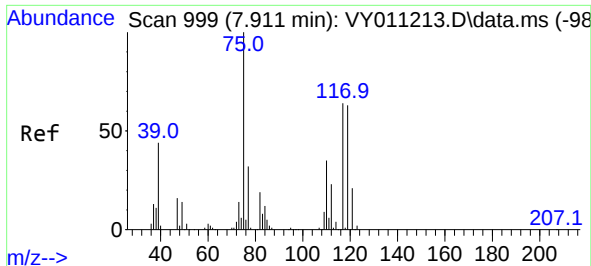
Ion Ratio Lower Upper

113 100

111 101.6 82.6 124.0

192 20.8 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.799 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011473.D

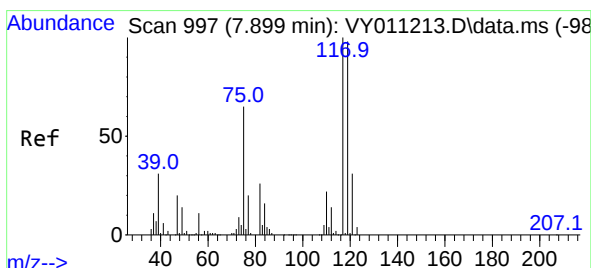
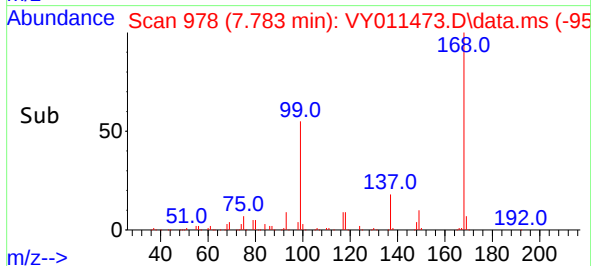
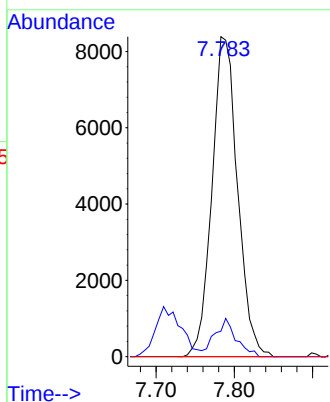
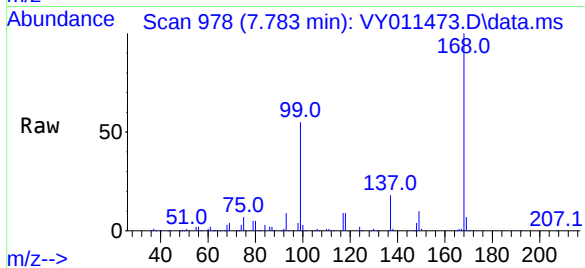
Acq: 16 Nov 2022 15:08

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	19030
Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.1	51.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 6.198 ug/l

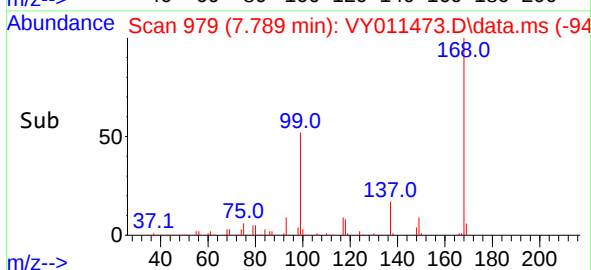
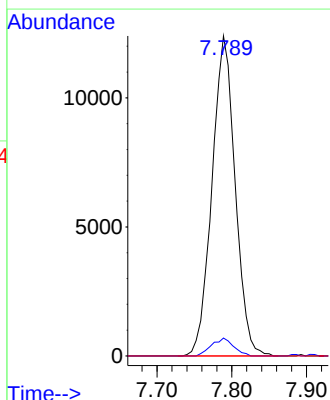
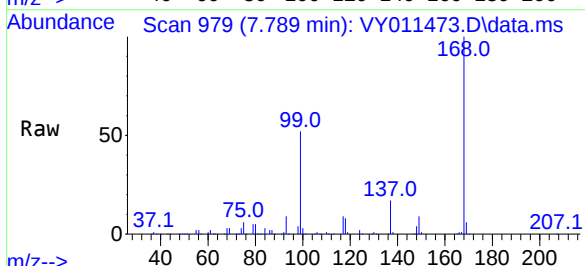
RT: 7.789 min Scan# 979

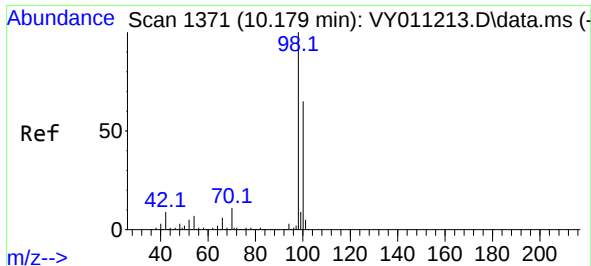
Delta R.T. -0.110 min

Lab File: VY011473.D

Acq: 16 Nov 2022 15:08

Tgt Ion:	117	Resp:	26735
Ion	Ratio	Lower	Upper
117	100		
119	5.6	77.9	116.9#
121	0.0	24.8	37.2#

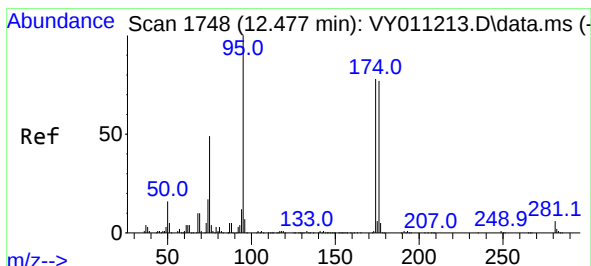
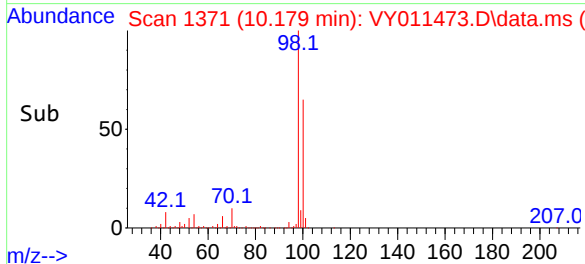
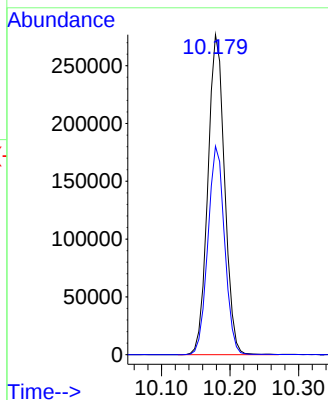
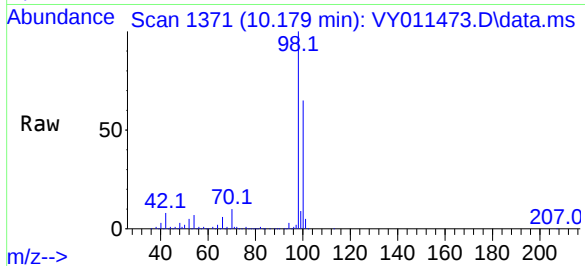




#50
Toluene-d8
Concen: 48.216 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011473.D
Acq: 16 Nov 2022 15:08

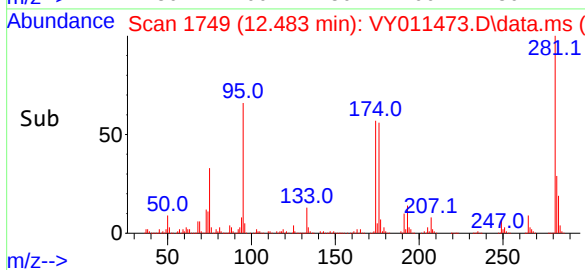
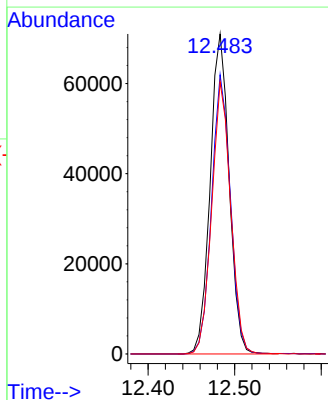
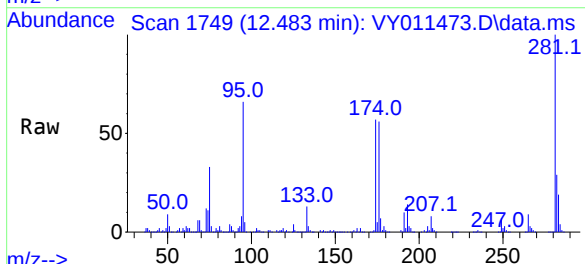
Instrument :
MSVOA_Y
ClientSampleId :

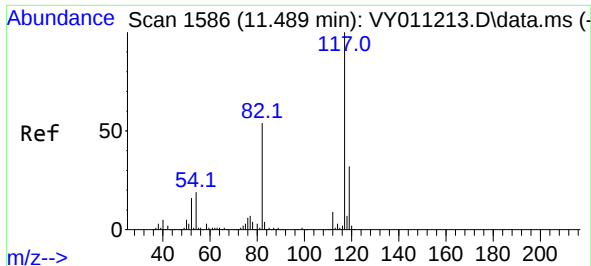
Tgt Ion: 98 Resp: 470605
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 31.794 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011473.D
Acq: 16 Nov 2022 15:08

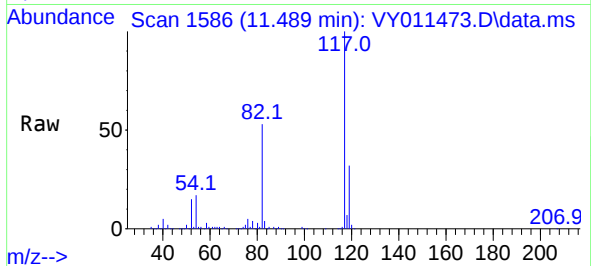
Tgt Ion: 95 Resp: 108239
Ion Ratio Lower Upper
95 100
174 86.5 0.0 177.0
176 84.6 0.0 175.8



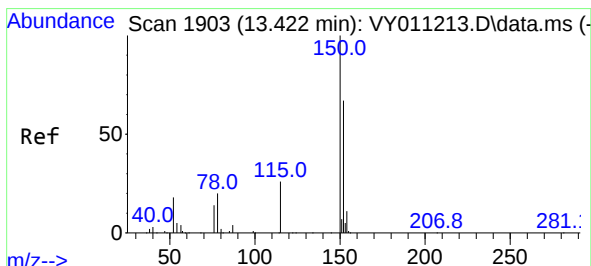
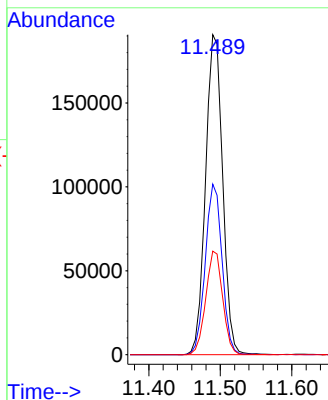
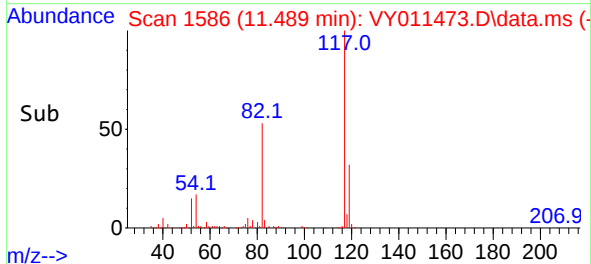


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY011473.D
Acq: 16 Nov 2022 15:08

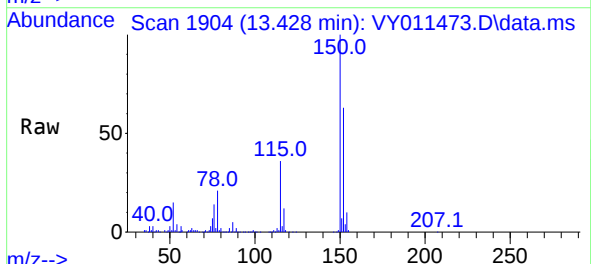
Instrument :
MSVOA_Y
ClientSampleId :



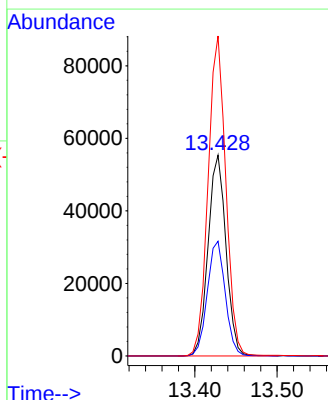
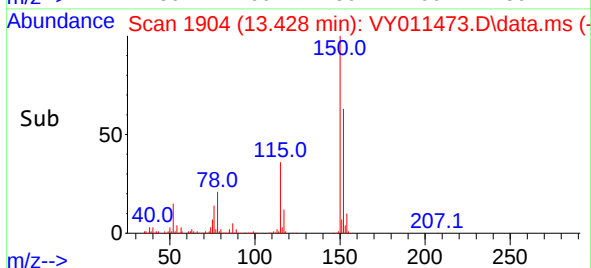
Tgt Ion:117 Resp: 316934
Ion Ratio Lower Upper
117 100
82 53.3 43.0 64.4
119 32.3 25.4 38.0

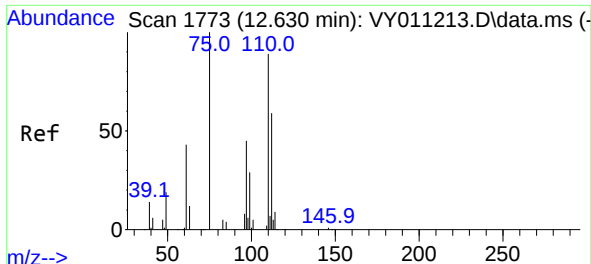


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY011473.D
Acq: 16 Nov 2022 15:08



Tgt Ion:152 Resp: 83771
Ion Ratio Lower Upper
152 100
115 57.4 28.2 84.7
150 157.9 0.0 347.6

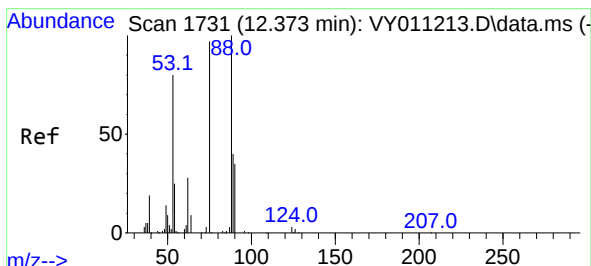
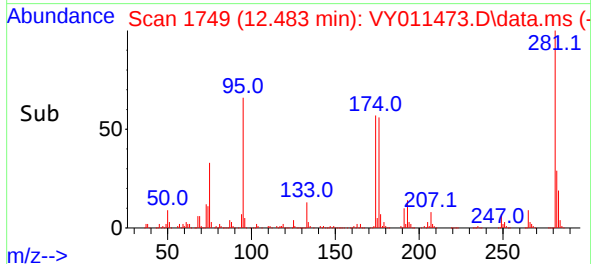
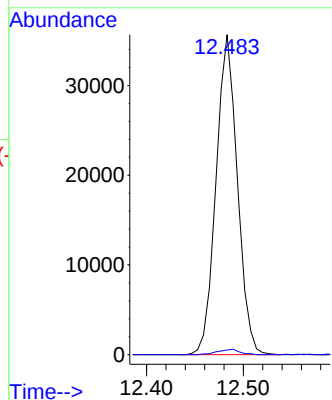
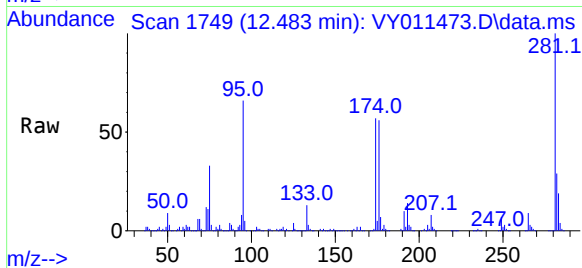




#76
1,2,3-Trichloropropane
Concen: 56.262 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY011473.D
Acq: 16 Nov 2022 15:08

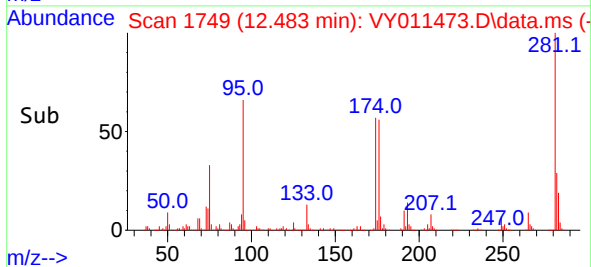
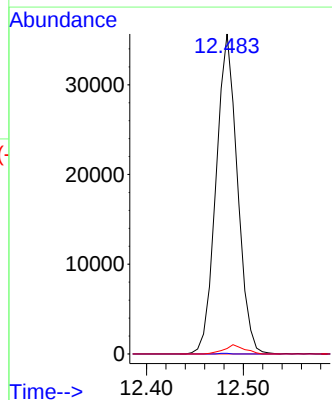
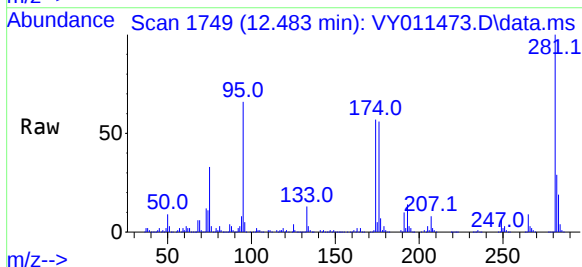
Instrument :
MSVOA_Y
ClientSampleId :

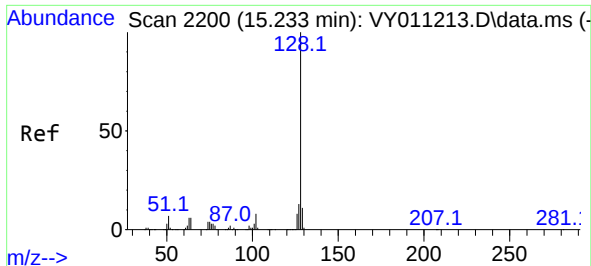
Tgt Ion: 75 Resp: 54556
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.237 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011473.D
Acq: 16 Nov 2022 15:08

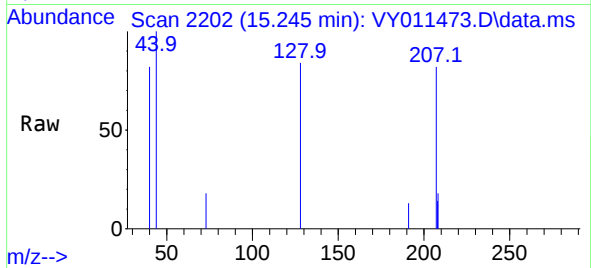
Tgt Ion: 75 Resp: 54556
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 2.7 37.0 55.4#





#95
Naphthalene
Concen: 3.454 ug/l
RT: 15.245 min Scan# 21
Delta R.T. 0.012 min
Lab File: VY011473.D
Acq: 16 Nov 2022 15:08

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	606
Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	0.0	8.4	12.6#

