

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111622\
 Data File : VY011479.D
 Acq On : 16 Nov 2022 17:26
 Operator : KP/MD
 Sample : N5641-09
 Misc : 6.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 17 03:17:18 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)

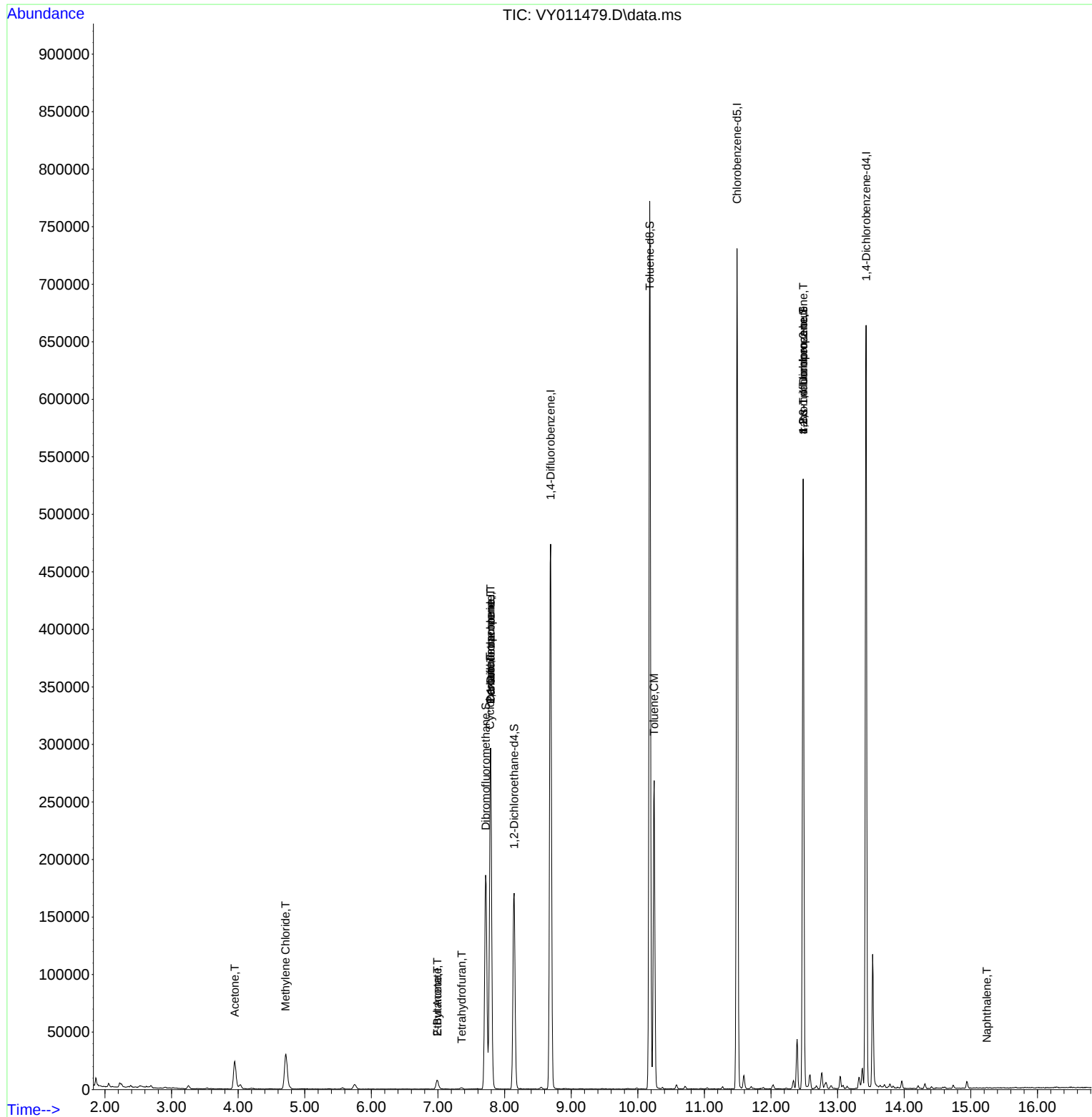
Internal Standards						
1) Pentafluorobenzene	7.789	168	243703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	439080	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	413021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	179455	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	135213	66.211	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.420%	
35) Dibromofluoromethane	7.716	113	136995	55.673	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.340%	
50) Toluene-d8	10.179	98	516830	54.978	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.960%	
62) 4-Bromofluorobenzene	12.483	95	168327	51.337	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.680%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	93	Below Cal	#	43
11) Tert butyl alcohol	4.954	59	607	Below Cal	#	77
13) Acrolein	3.741	56	83	Below Cal	#	14
16) Acetone	3.948	43	41182	76.421	ug/l #	80
18) Methyl Acetate	4.472	43	583	Below Cal	#	63
20) Methylene Chloride	4.710	84	25191	1.303	ug/l #	78
25) 2-Butanone	6.990	43	12299	16.023	ug/l #	75
29) Tetrahydrofuran	7.356	42	843	1.813	ug/l #	88
31) Cyclohexane	7.783	56	3855	1.051	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	16042	4.200	ug/l #	50
37) Ethyl Acetate	6.990	43	12299	6.704	ug/l #	72
38) Carbon Tetrachloride	7.789	117	23085	5.557	ug/l #	15
52) Toluene	10.246	92	116157	15.949	ug/l	95
76) 1,2,3-Trichloropropane	12.483	75	79792	38.412	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	79792	92.332	ug/l #	7
95) Naphthalene	15.239	128	585	3.356	ug/l #	84

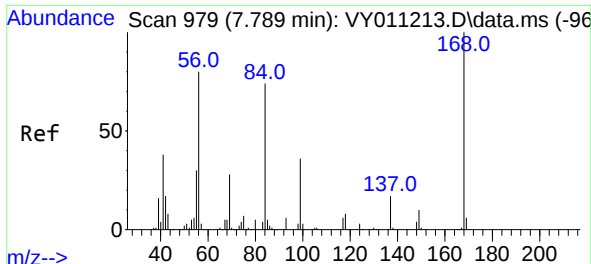
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111022S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 10 17:47:26 2022
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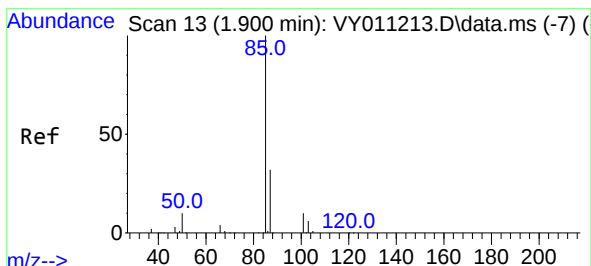
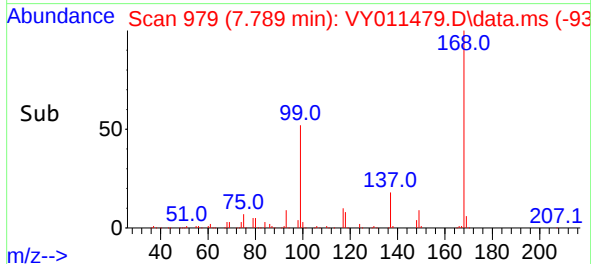
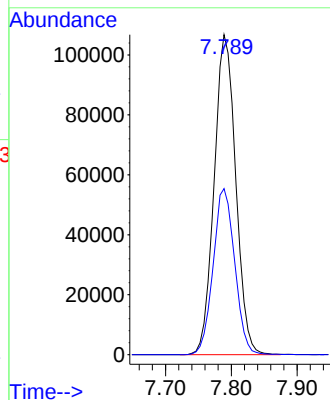
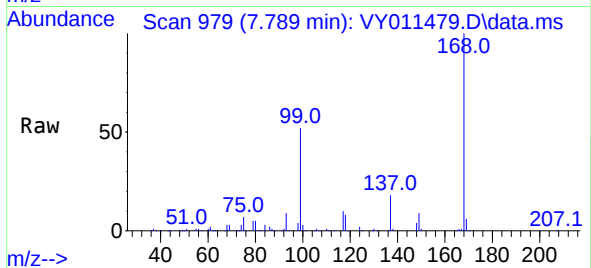




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011479.D
Acq: 16 Nov 2022 17:26

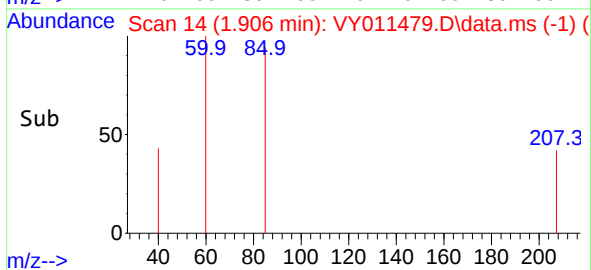
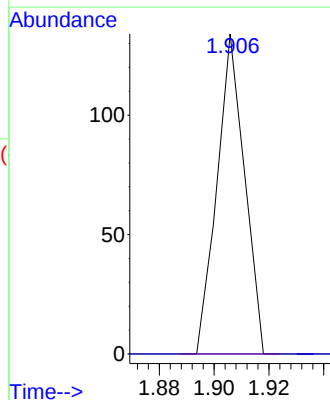
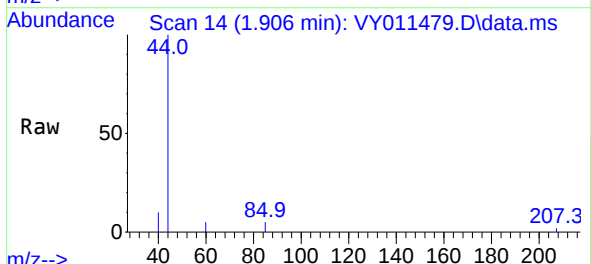
Instrument :
MSVOA_Y
ClientSampleId :

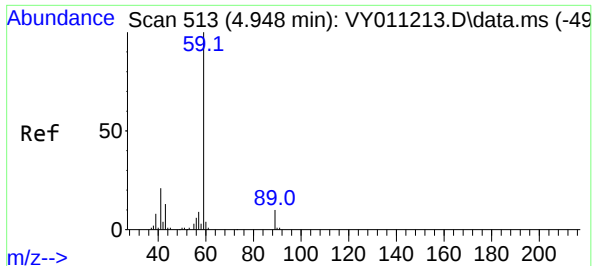
Tgt Ion:168 Resp: 243703
Ion Ratio Lower Upper
168 100
99 51.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY011479.D
Acq: 16 Nov 2022 17:26

Tgt Ion: 85 Resp: 93
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.954 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY011479.D

Acq: 16 Nov 2022 17:26

Instrument :

MSVOA_Y

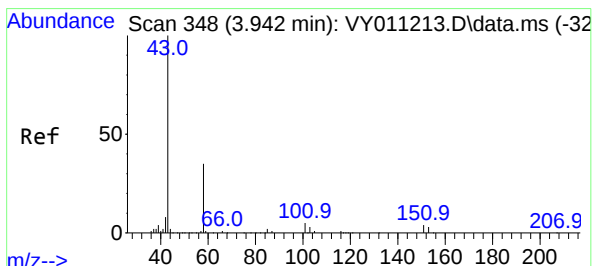
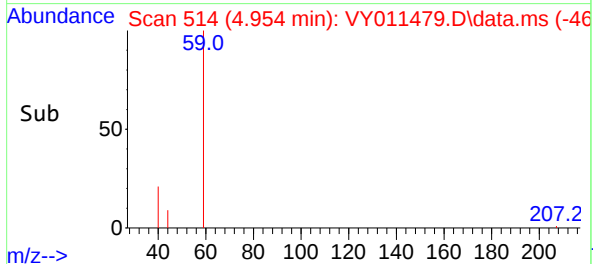
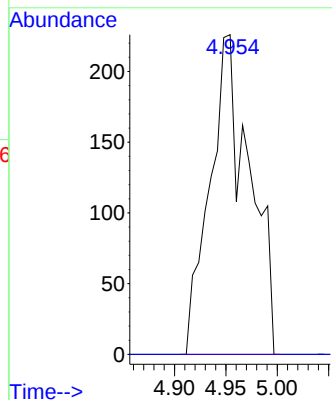
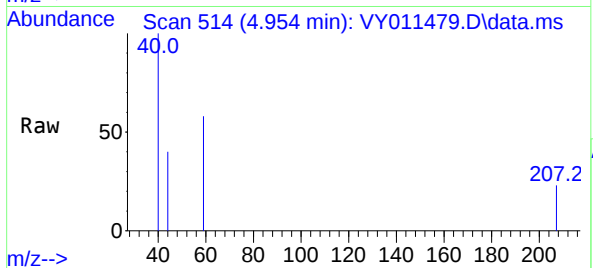
ClientSampleId :

Tgt Ion: 59 Resp: 607

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 76.421 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY011479.D

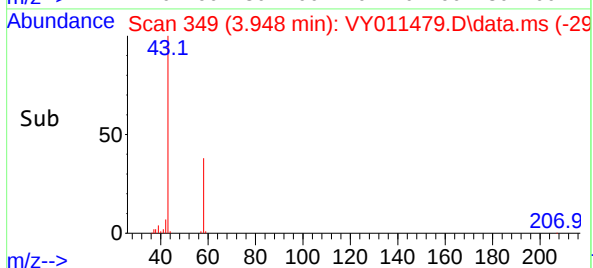
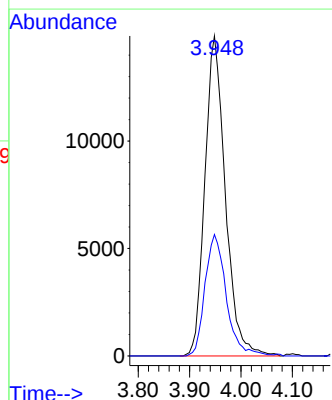
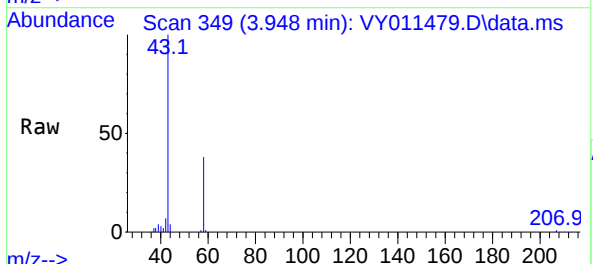
Acq: 16 Nov 2022 17:26

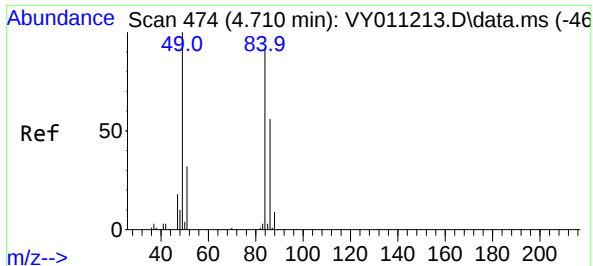
Tgt Ion: 43 Resp: 41182

Ion Ratio Lower Upper

43 100

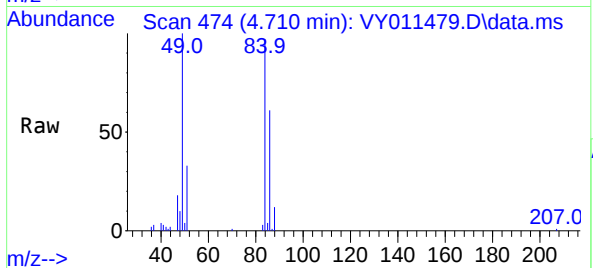
58 37.9 22.0 33.0#



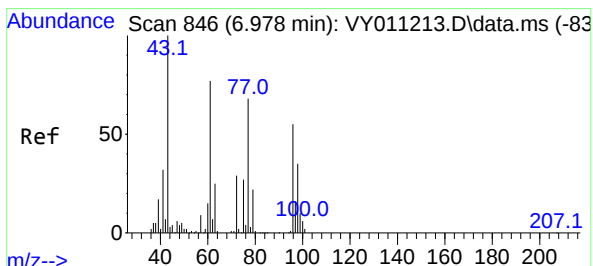
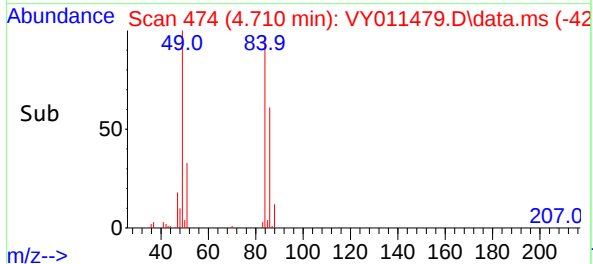
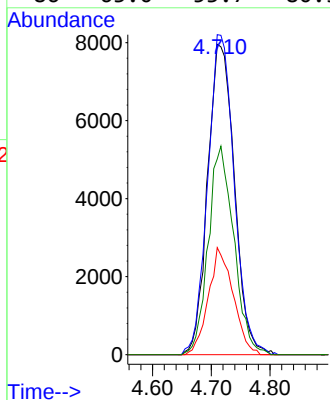


#20
Methylene Chloride
Concen: 1.303 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011479.D
Acq: 16 Nov 2022 17:26

Instrument :
MSVOA_Y
ClientSampleId :

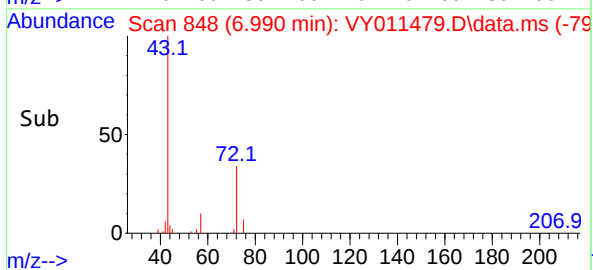
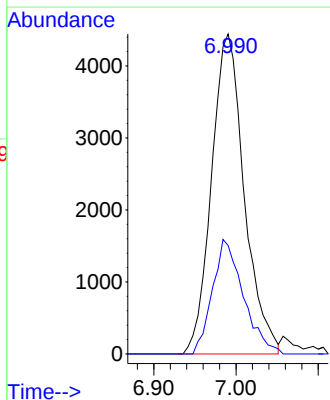
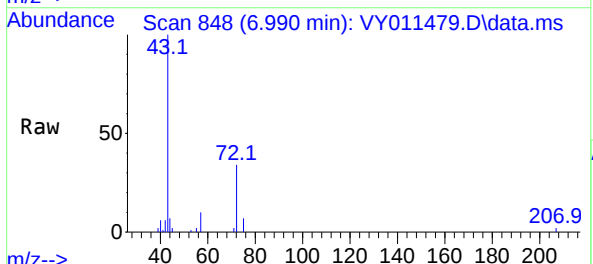


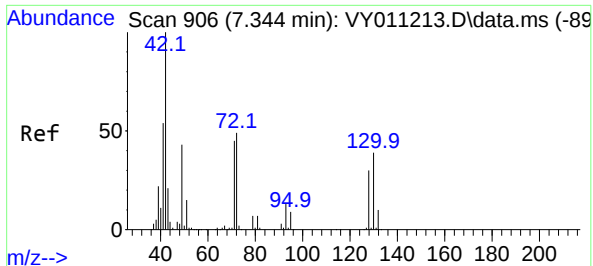
Tgt Ion: 84 Resp: 25191
Ion Ratio Lower Upper
84 100
49 103.1 114.4 171.6#
51 34.5 35.3 52.9#
86 63.0 53.7 80.5



#25
2-Butanone
Concen: 16.023 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY011479.D
Acq: 16 Nov 2022 17:26

Tgt Ion: 43 Resp: 12299
Ion Ratio Lower Upper
43 100
72 33.9 17.7 26.5#





#29

Tetrahydrofuran

Concen: 1.813 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

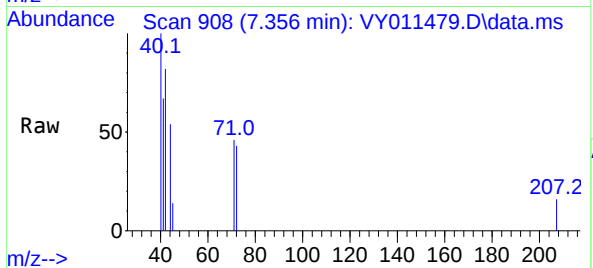
Lab File: VY011479.D

Acq: 16 Nov 2022 17:26

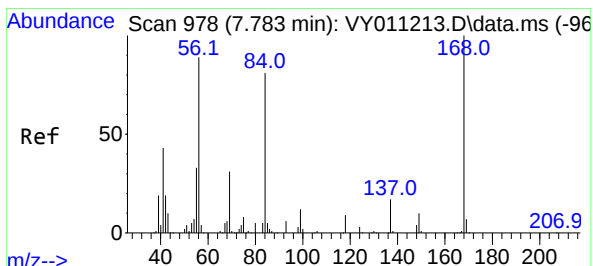
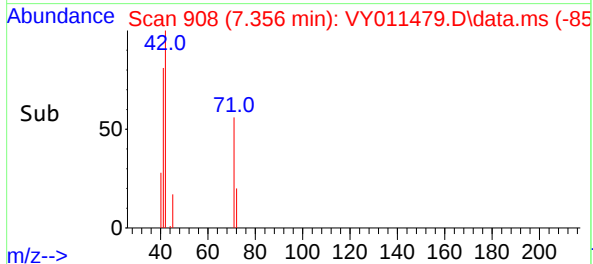
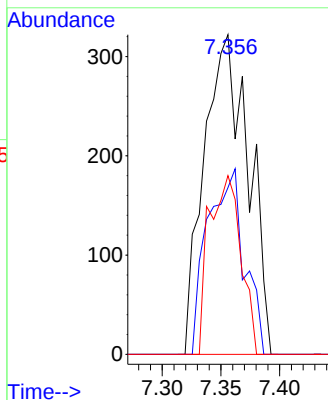
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	843
Ion	Ratio	Lower	Upper
42	100		
72	48.2	30.3	45.5#
71	40.0	29.0	43.4



#31

Cyclohexane

Concen: 1.051 ug/l

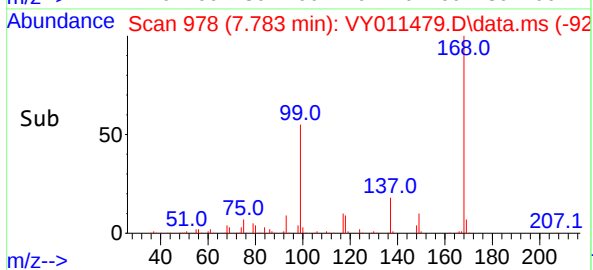
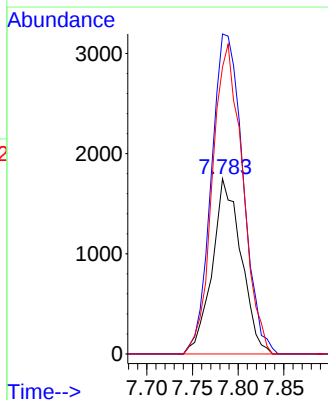
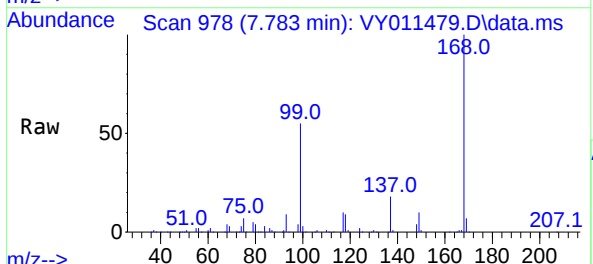
RT: 7.783 min Scan# 978

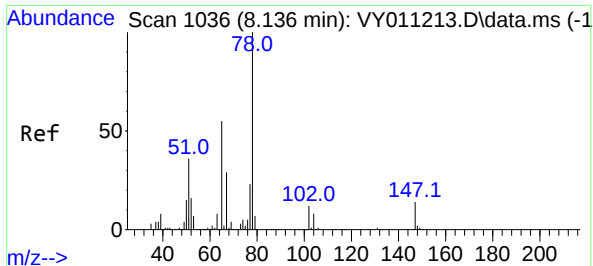
Delta R.T. -0.000 min

Lab File: VY011479.D

Acq: 16 Nov 2022 17:26

Tgt Ion:	56	Resp:	3855
Ion	Ratio	Lower	Upper
56	100		
69	182.7	26.7	40.1#
84	163.8	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 66.211 ug/l

RT: 8.142 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY011479.D

Acq: 16 Nov 2022 17:26

Instrument :

MSVOA_Y

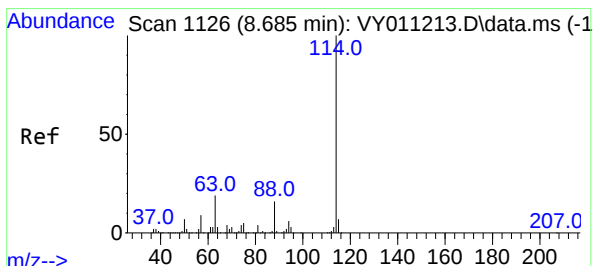
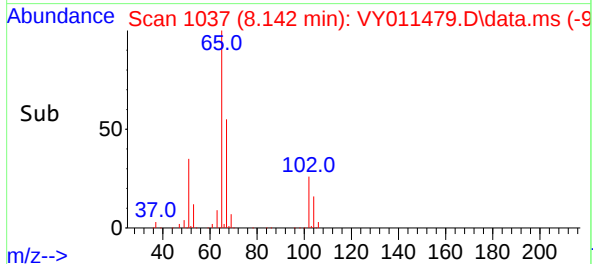
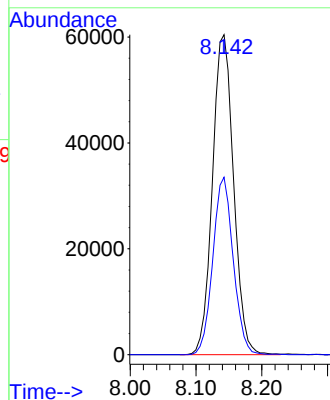
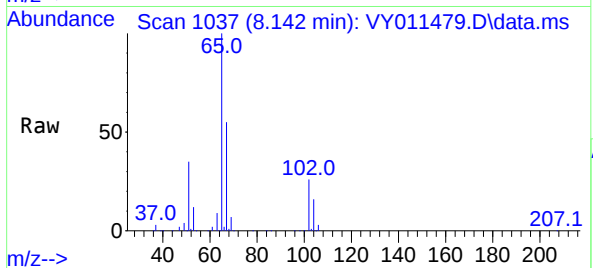
ClientSampleId :

Tgt Ion: 65 Resp: 135213

Ion Ratio Lower Upper

65 100

67 53.6 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: VY011479.D

Acq: 16 Nov 2022 17:26

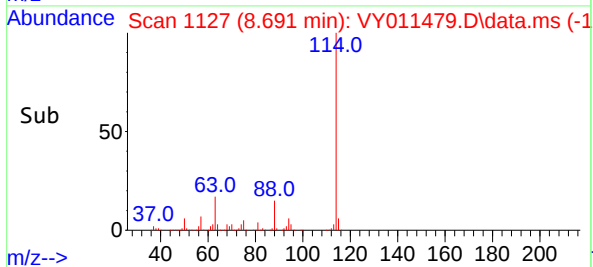
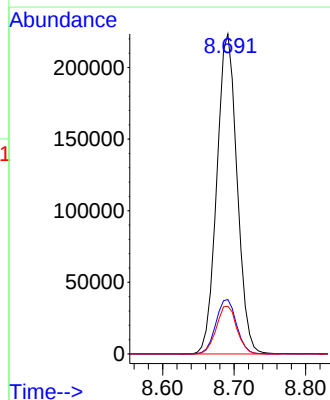
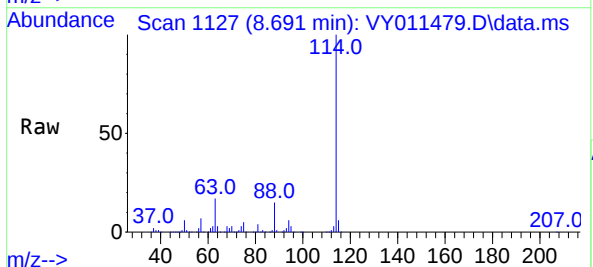
Tgt Ion:114 Resp: 439080

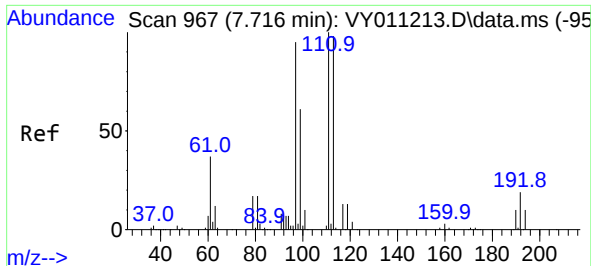
Ion Ratio Lower Upper

114 100

63 17.0 0.0 43.2

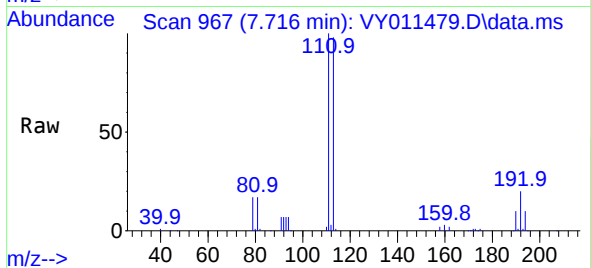
88 14.9 0.0 31.8



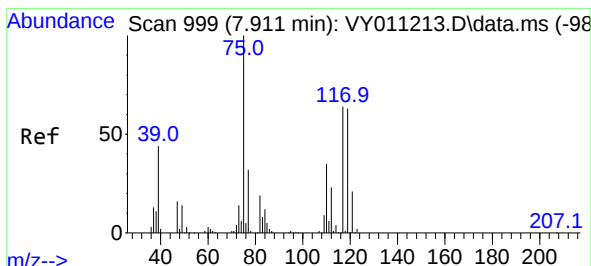
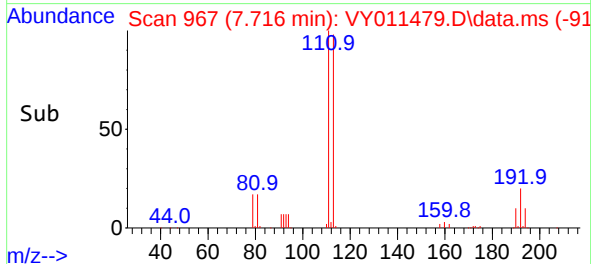
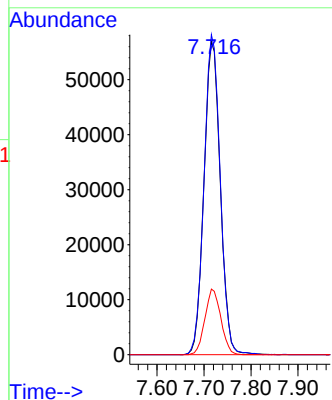


#35
Dibromofluoromethane
Concen: 55.673 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY011479.D
Acq: 16 Nov 2022 17:26

Instrument :
MSVOA_Y
ClientSampleId :

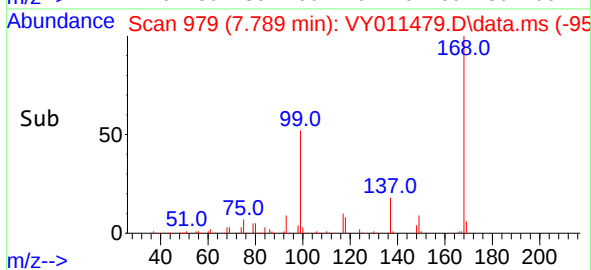
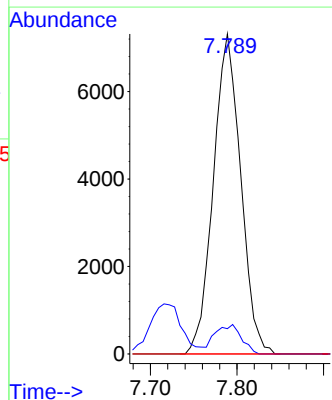
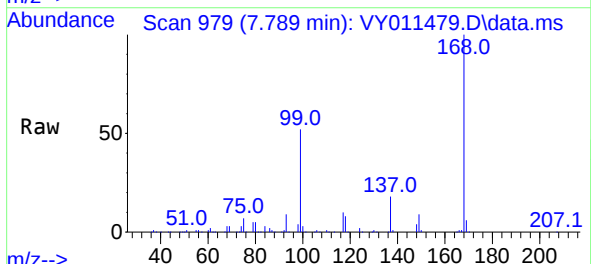


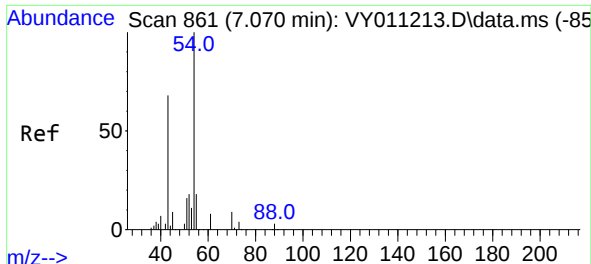
Tgt Ion:113 Resp: 136995
Ion Ratio Lower Upper
113 100
111 101.6 82.6 124.0
192 20.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.200 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011479.D
Acq: 16 Nov 2022 17:26

Tgt Ion: 75 Resp: 16042
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 6.704 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.080 min

Lab File: VY011479.D

Acq: 16 Nov 2022 17:26

Instrument :

MSVOA_Y

ClientSampleId :

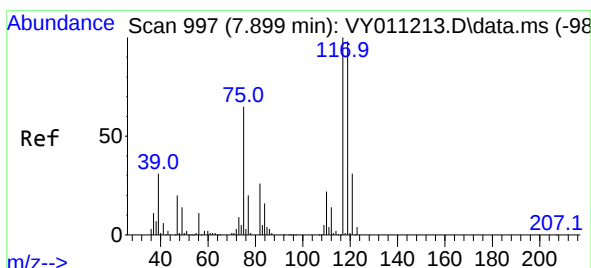
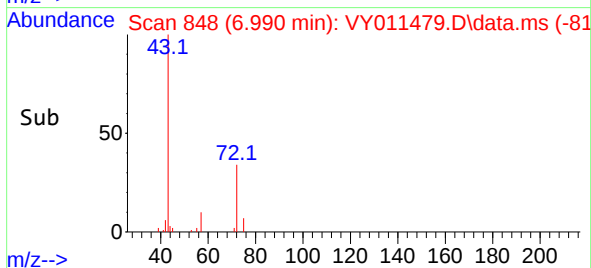
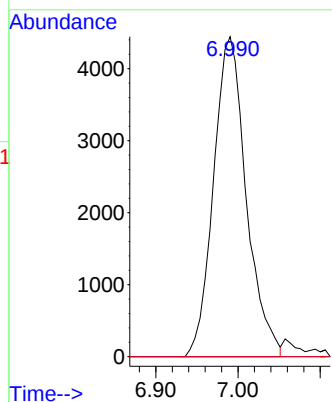
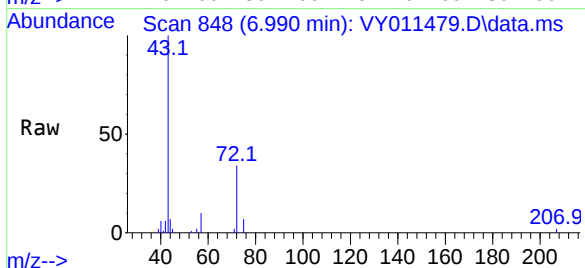
Tgt Ion: 43 Resp: 12299

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.557 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY011479.D

Acq: 16 Nov 2022 17:26

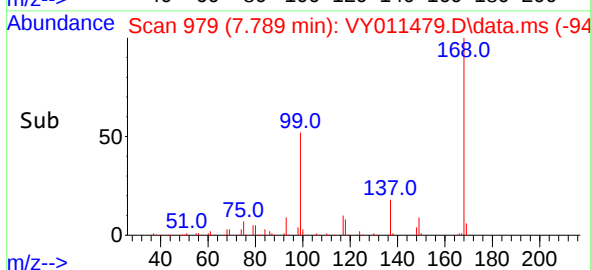
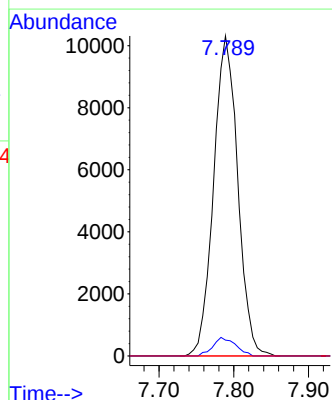
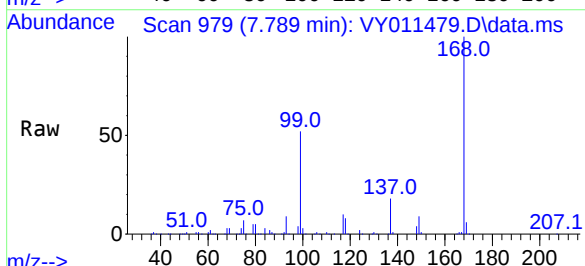
Tgt Ion: 117 Resp: 23085

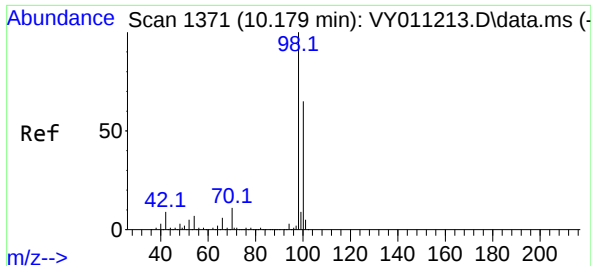
Ion Ratio Lower Upper

117 100

119 4.9 77.9 116.9#

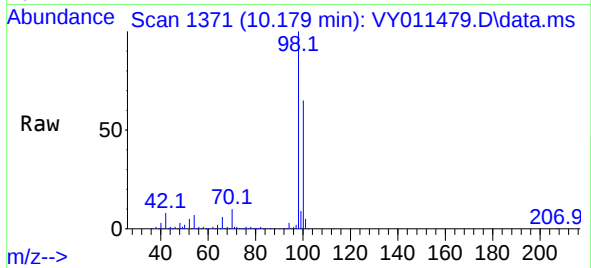
121 0.0 24.8 37.2#



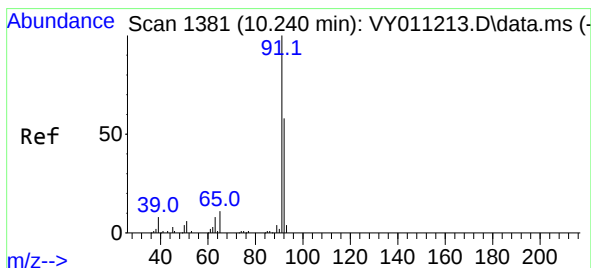
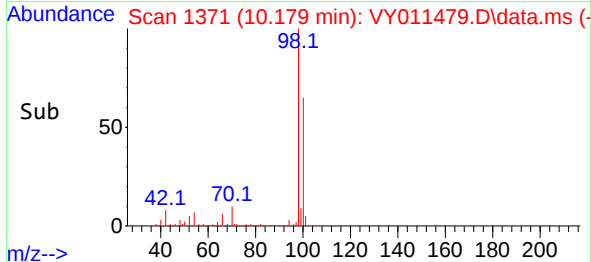
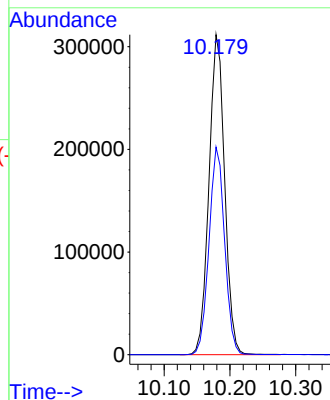


#50
Toluene-d8
Concen: 54.978 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011479.D
Acq: 16 Nov 2022 17:26

Instrument :
MSVOA_Y
ClientSampleId :

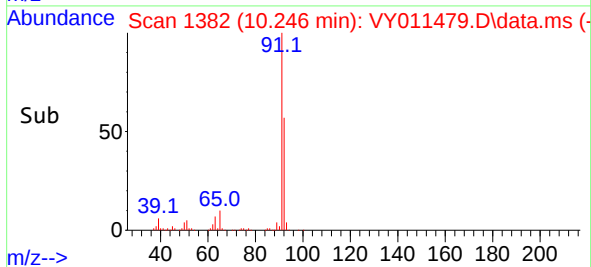
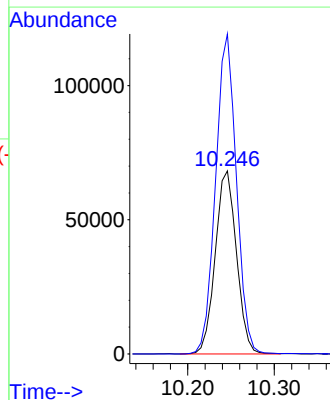
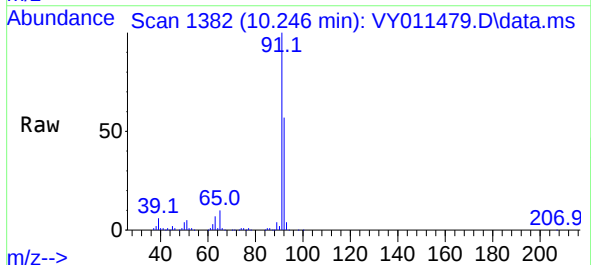


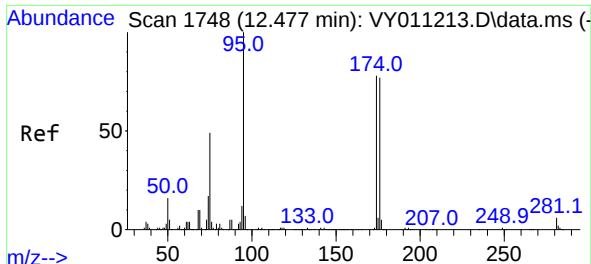
Tgt Ion: 98 Resp: 516830
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#52
Toluene
Concen: 15.949 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY011479.D
Acq: 16 Nov 2022 17:26

Tgt Ion: 92 Resp: 116157
Ion Ratio Lower Upper
92 100
91 171.2 142.6 213.8

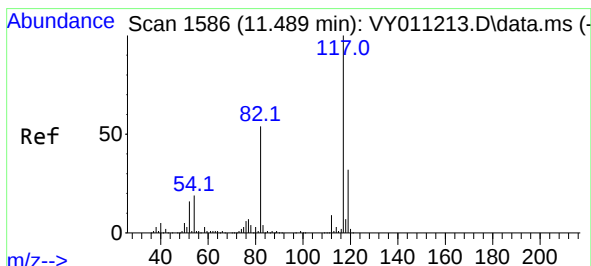
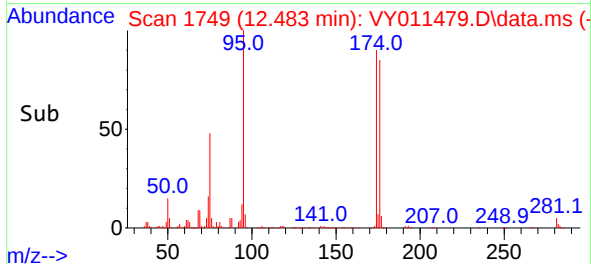
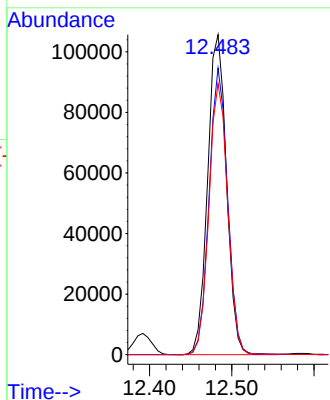
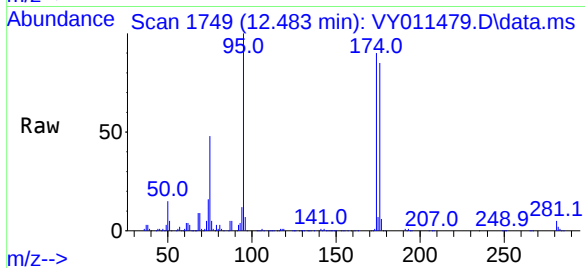




#62
4-Bromofluorobenzene
Concen: 51.337 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011479.D
Acq: 16 Nov 2022 17:26

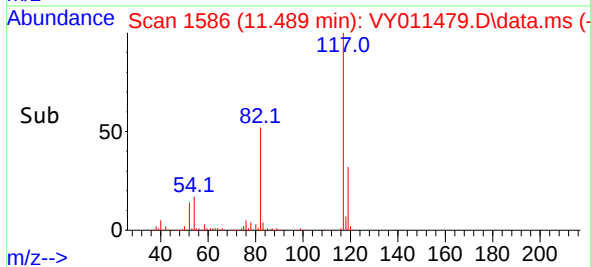
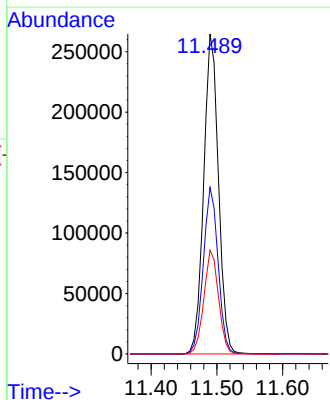
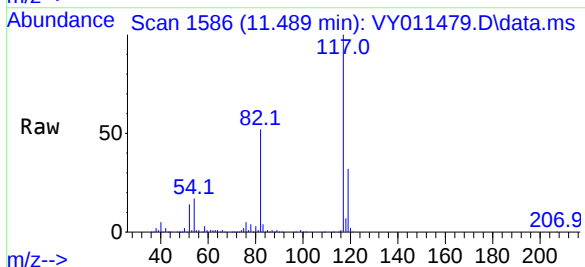
Instrument :
MSVOA_Y
ClientSampleId :

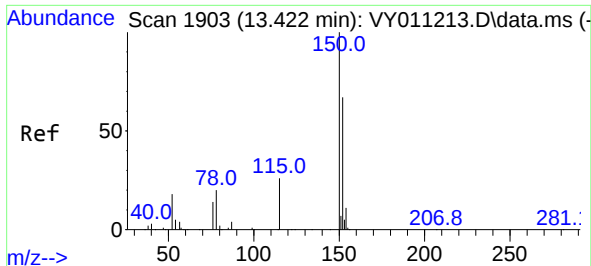
Tgt Ion: 95 Resp: 168327
Ion Ratio Lower Upper
95 100
174 87.9 0.0 177.0
176 84.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011479.D
Acq: 16 Nov 2022 17:26

Tgt Ion: 117 Resp: 413021
Ion Ratio Lower Upper
117 100
82 52.0 43.0 64.4
119 32.4 25.4 38.0

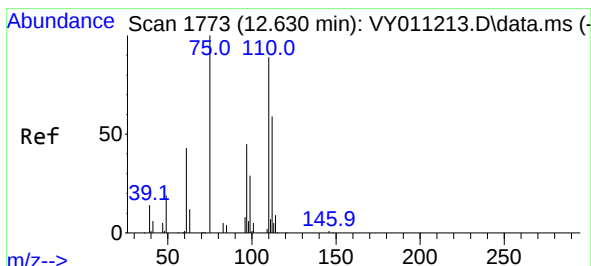
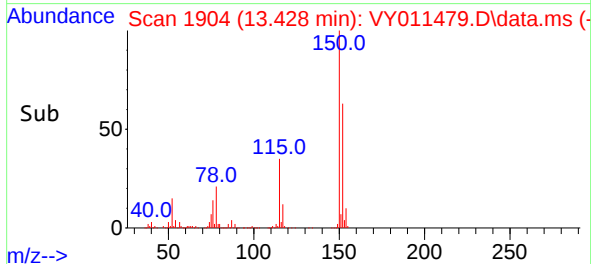
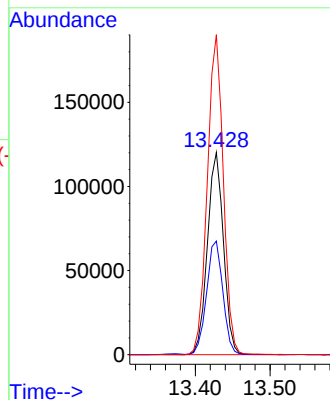
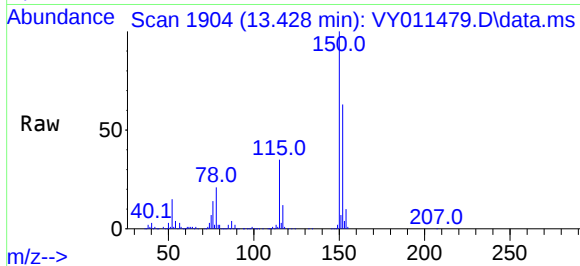




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1749
 Delta R.T. 0.006 min
 Lab File: VY011479.D
 Acq: 16 Nov 2022 17:26

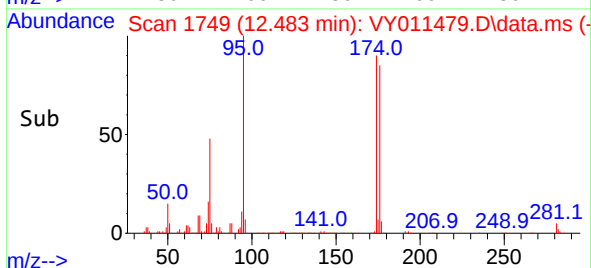
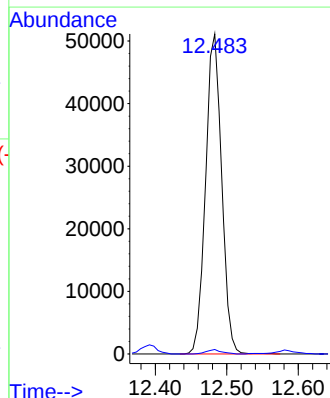
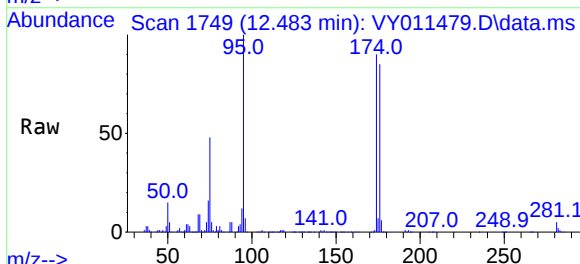
Instrument :
 MSVOA_Y
 ClientSampleId :

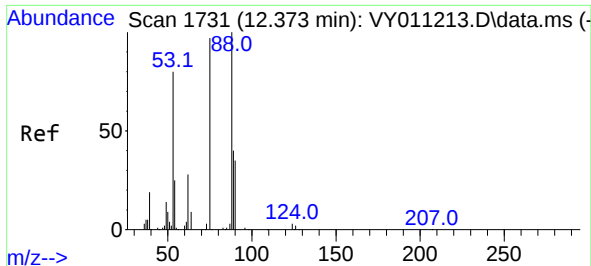
Tgt Ion:152 Resp: 179455
 Ion Ratio Lower Upper
 152 100
 115 57.2 28.2 84.7
 150 157.7 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 38.412 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY011479.D
 Acq: 16 Nov 2022 17:26

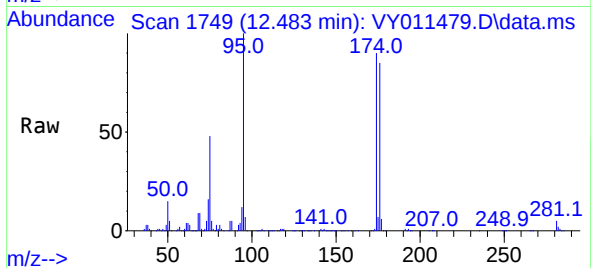
Tgt Ion: 75 Resp: 79792
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



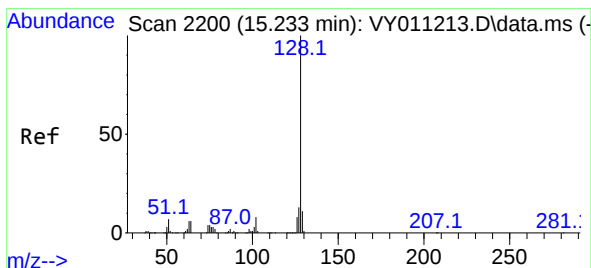
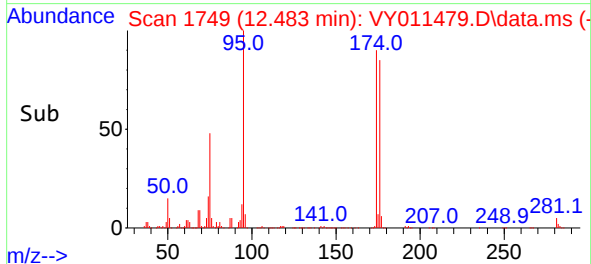
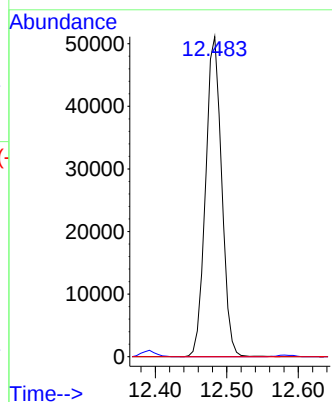


#81
trans-1,4-Dichloro-2-butene
Concen: 92.332 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011479.D
Acq: 16 Nov 2022 17:26

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 79792
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 3.356 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY011479.D
Acq: 16 Nov 2022 17:26

Tgt Ion: 128 Resp: 585
Ion Ratio Lower Upper
128 100
127 10.8 11.0 16.4#
129 0.0 8.4 12.6#

