

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011821.D
 Acq On : 14 Dec 2022 03:08
 Operator : KP/MD
 Sample : N6037-15
 Misc : 5.37g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-24-(7-9)

Quant Time: Dec 14 05:38:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

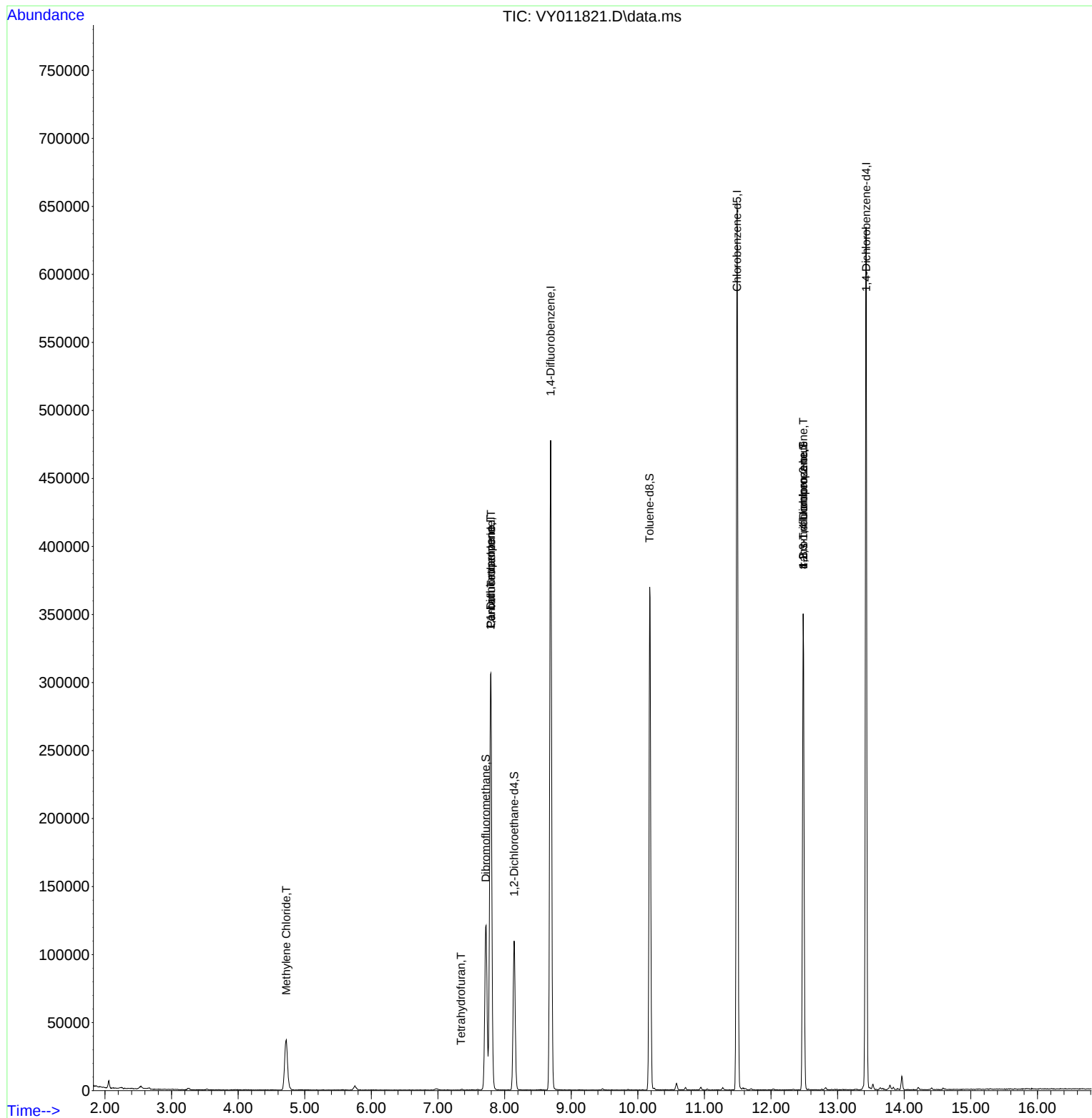
Internal Standards						
1) Pentafluorobenzene	7.795	168	240479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	409425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	352254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	157760	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	85758	52.500	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.000%	
35) Dibromofluoromethane	7.716	113	87085	47.695	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.380%	
50) Toluene-d8	10.179	98	247703	40.237	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 80.480%	
62) 4-Bromofluorobenzene	12.483	95	96198	39.573	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.140%	
Target Compounds						
3) Chloromethane	2.119	50	136	Below Cal	#	41
4) Vinyl Chloride	2.497	62	55	Below Cal	#	43
5) Bromomethane	2.662	94	138	Below Cal	#	72
11) Tert butyl alcohol	4.948	59	330	Below Cal	#	74
18) Methyl Acetate	4.491	43	152	Below Cal	#	50
20) Methylene Chloride	4.722	84	28463	7.141	ug/l	99
29) Tetrahydrofuran	7.344	42	492	1.023	ug/l #	84
31) Cyclohexane	7.795	56	4859	Below Cal	#	4
36) 1,1-Dichloropropene	7.789	75	17754	5.714	ug/l #	50
38) Carbon Tetrachloride	7.795	117	24005	6.578	ug/l #	19
76) 1,2,3-Trichloropropane	12.483	75	50456	31.612	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	50456	71.733	ug/l #	13

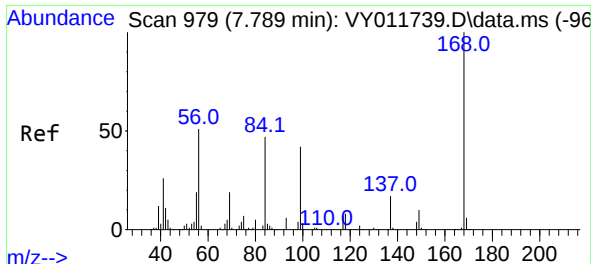
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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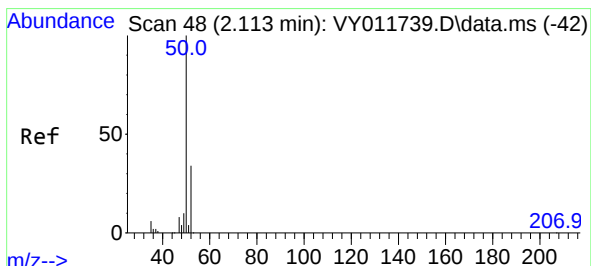
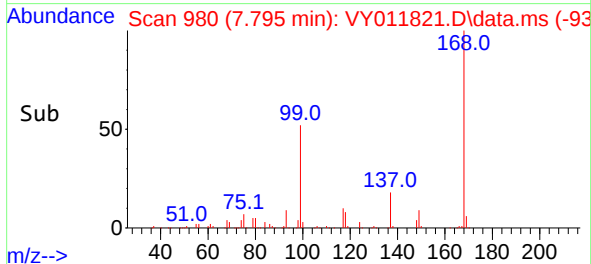
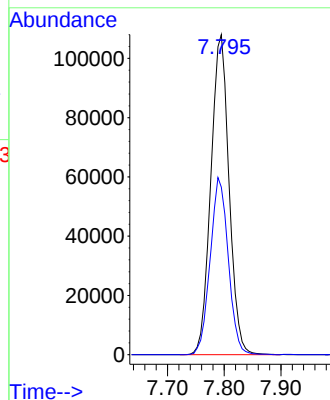
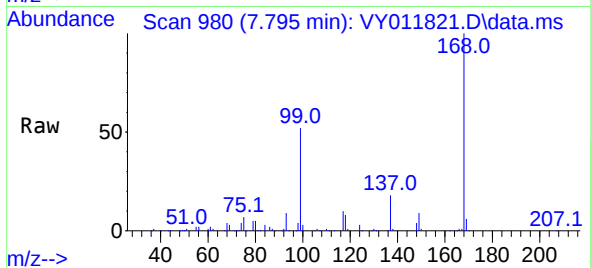




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011821.D
Acq: 14 Dec 2022 03:08

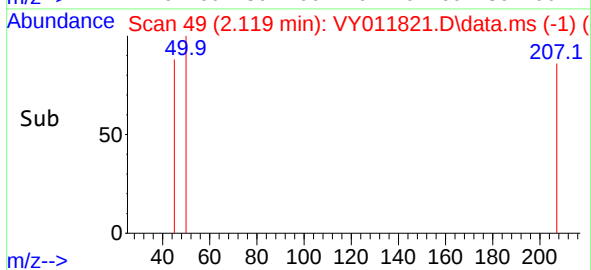
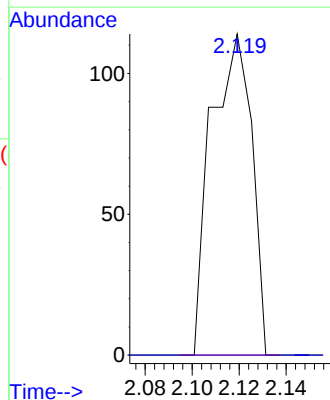
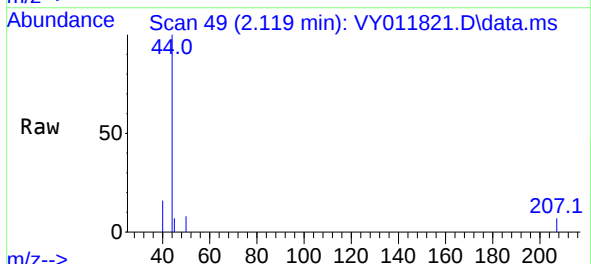
Instrument :
MSVOA_Y
ClientSampleId :
RB-24-(7-9)

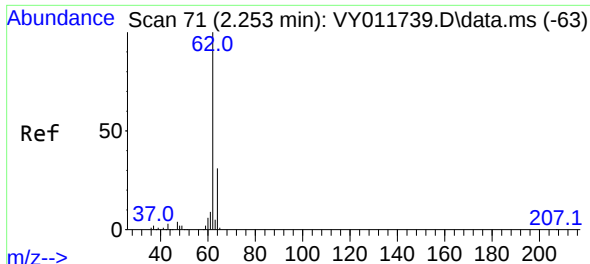
Tgt Ion:168 Resp: 240479
Ion Ratio Lower Upper
168 100
99 52.4 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011821.D
Acq: 14 Dec 2022 03:08

Tgt Ion: 50 Resp: 136
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

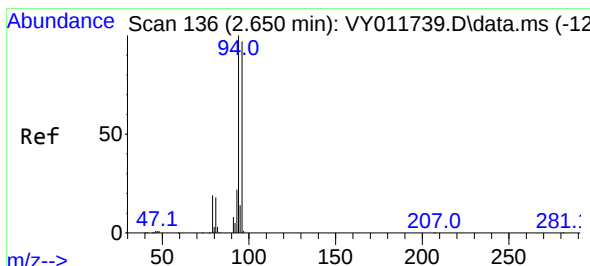
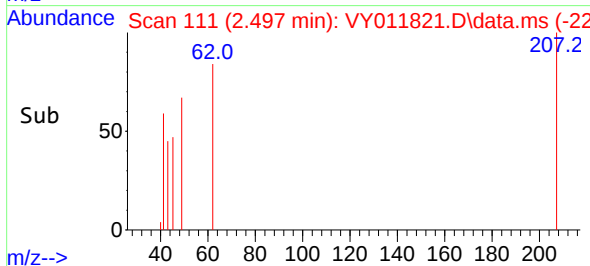
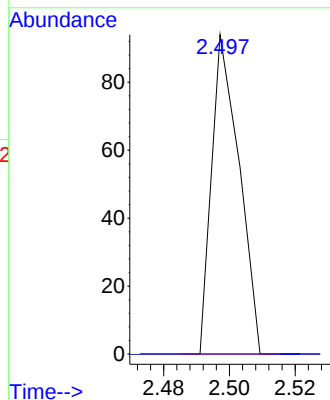
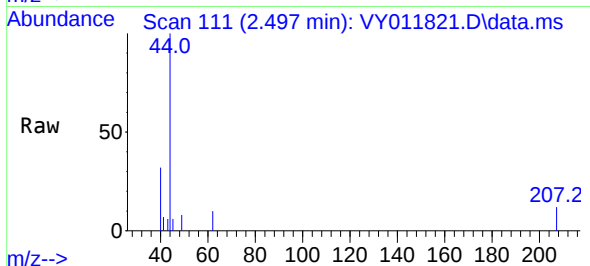




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.497 min Scan# 111
 Delta R.T. 0.244 min
 Lab File: VY011821.D
 Acq: 14 Dec 2022 03:08

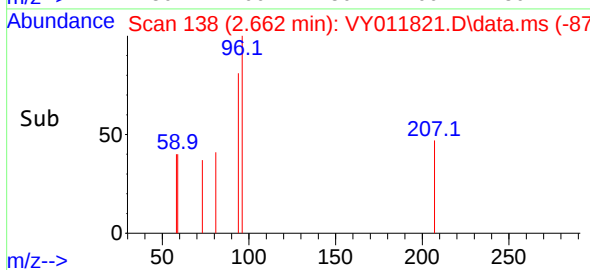
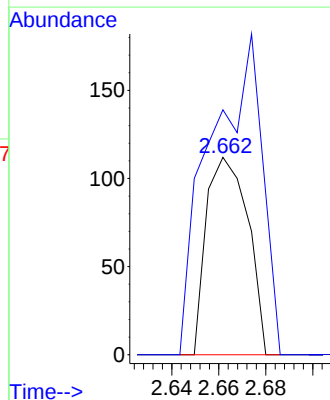
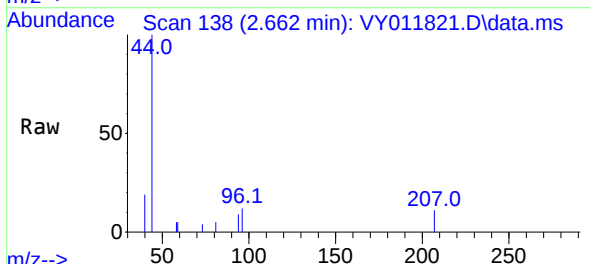
Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-24-(7-9)

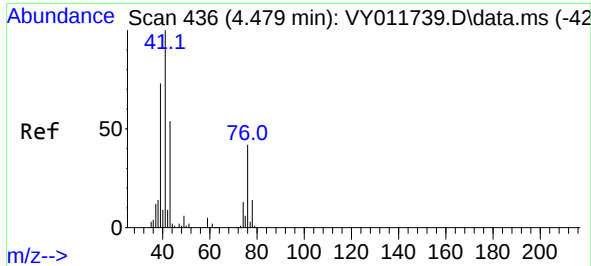
Tgt Ion: 62 Resp: 55
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.662 min Scan# 138
 Delta R.T. 0.012 min
 Lab File: VY011821.D
 Acq: 14 Dec 2022 03:08

Tgt Ion: 94 Resp: 138
 Ion Ratio Lower Upper
 94 100
 96 124.1 77.4 116.2#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.491 min Scan# 41

Delta R.T. 0.012 min

Lab File: VY011821.D

Acq: 14 Dec 2022 03:08

Instrument :

MSVOA_Y

ClientSampleId :

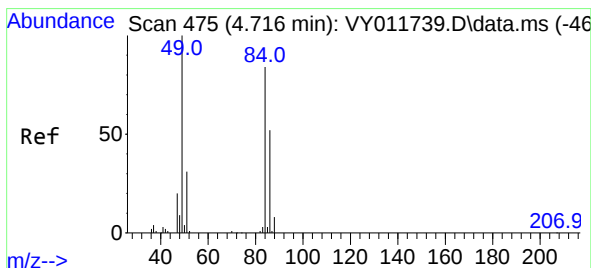
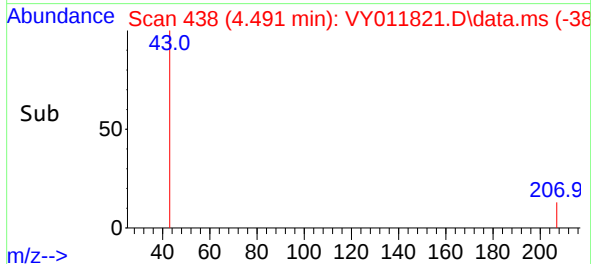
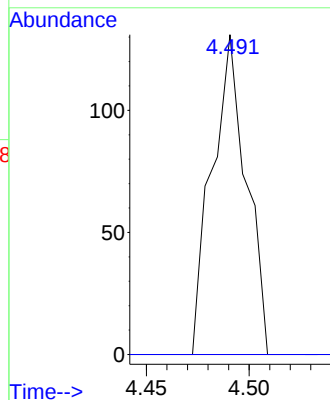
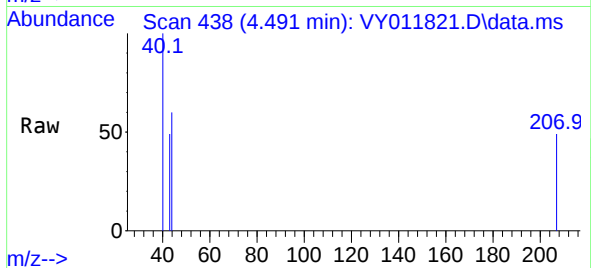
RB-24-(7-9)

Tgt Ion: 43 Resp: 152

Ion Ratio Lower Upper

43 100

74 0.0 20.1 30.1#



#20

Methylene Chloride

Concen: 7.141 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY011821.D

Acq: 14 Dec 2022 03:08

Tgt Ion: 84 Resp: 28463

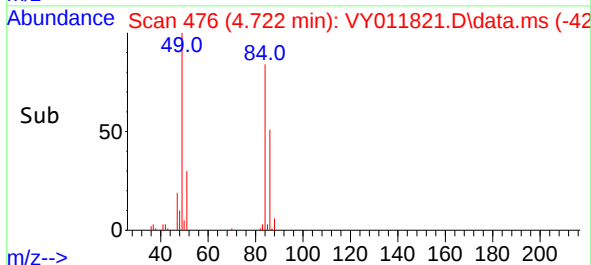
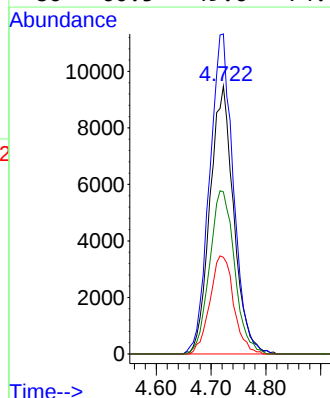
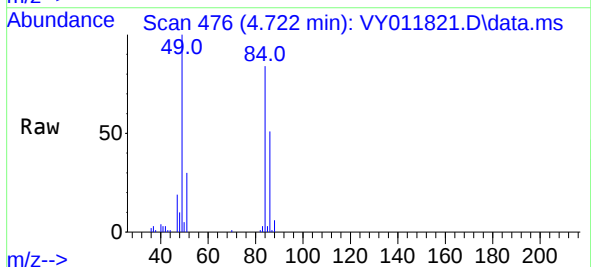
Ion Ratio Lower Upper

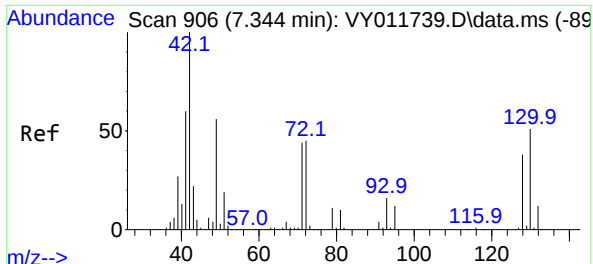
84 100

49 119.5 95.4 143.2

51 36.1 29.9 44.9

86 60.5 49.6 74.4

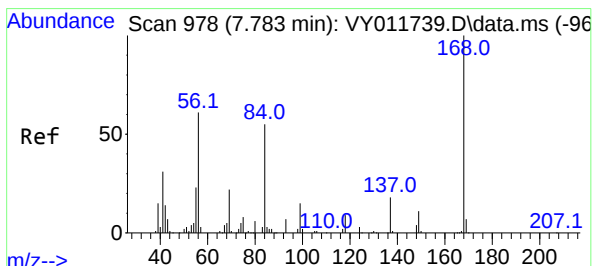
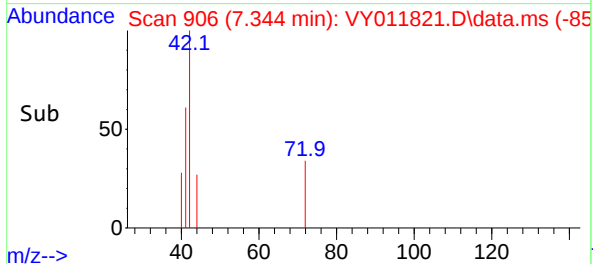
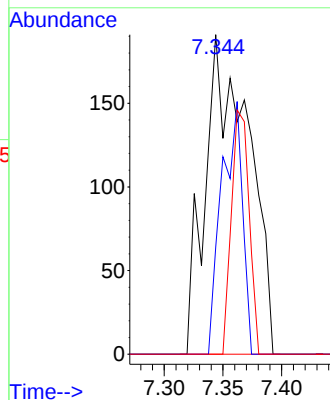
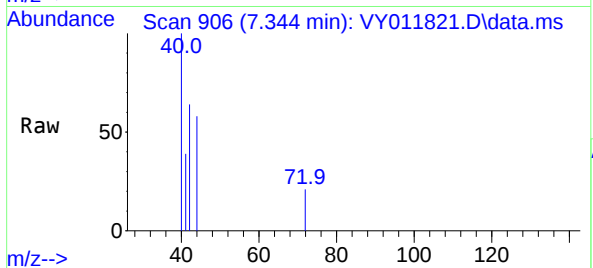




#29
Tetrahydrofuran
Concen: 1.023 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY011821.D
Acq: 14 Dec 2022 03:08

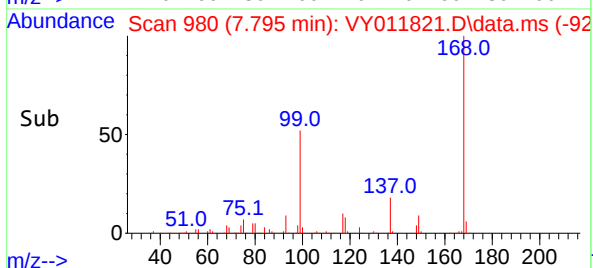
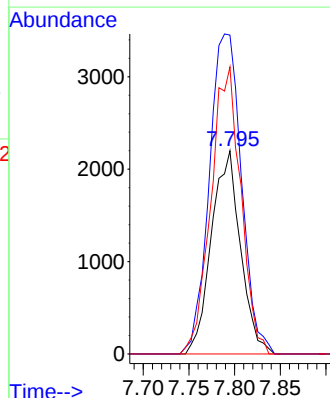
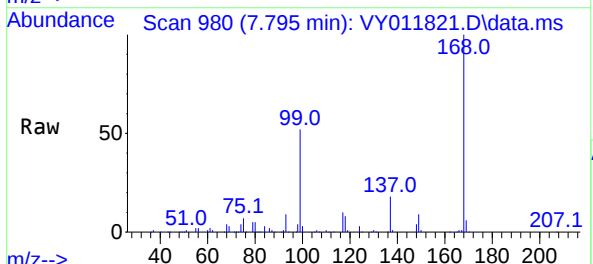
Instrument :
MSVOA_Y
ClientSampleId :
RB-24-(7-9)

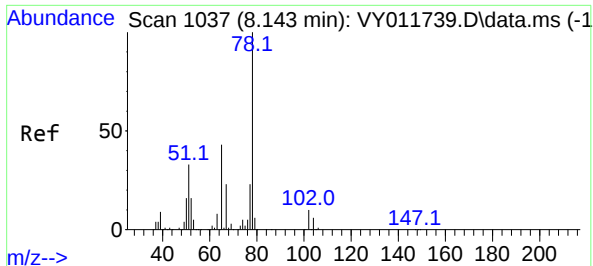
Tgt Ion:	42	Resp:	492
Ion	Ratio	Lower	Upper
42	100		
72	37.6	37.0	55.6
71	30.9	34.9	52.3#



#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY011821.D
Acq: 14 Dec 2022 03:08

Tgt Ion:	56	Resp:	4859
Ion	Ratio	Lower	Upper
56	100		
69	156.9	29.2	43.8#
84	141.2	72.6	108.8#





#33

1,2-Dichloroethane-d4

Concen: 52.500 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011821.D

Acq: 14 Dec 2022 03:08

Instrument :

MSVOA_Y

ClientSampleId :

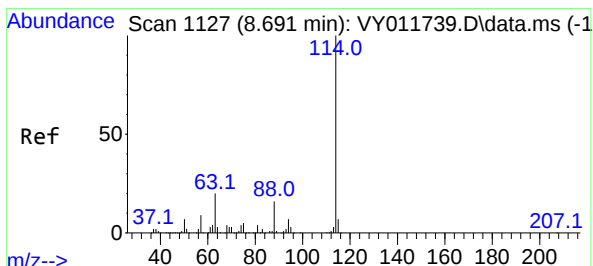
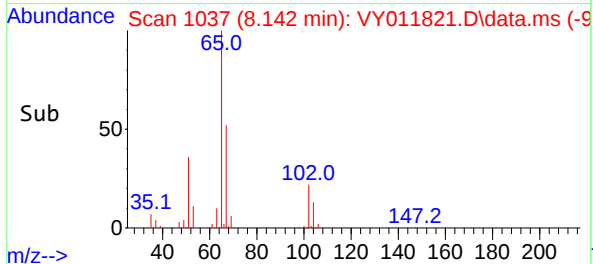
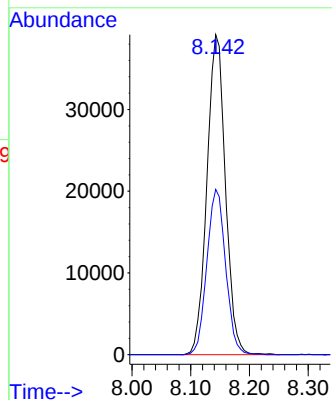
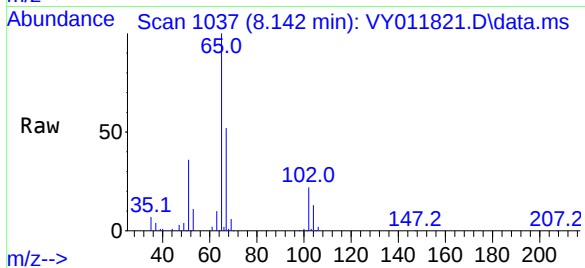
RB-24-(7-9)

Tgt Ion: 65 Resp: 85758

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011821.D

Acq: 14 Dec 2022 03:08

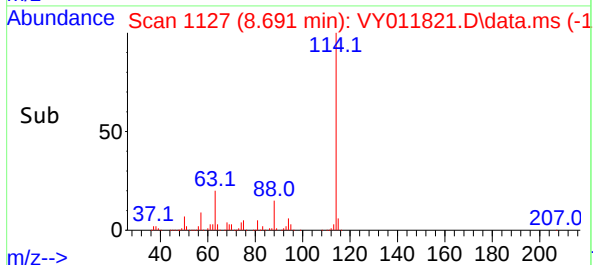
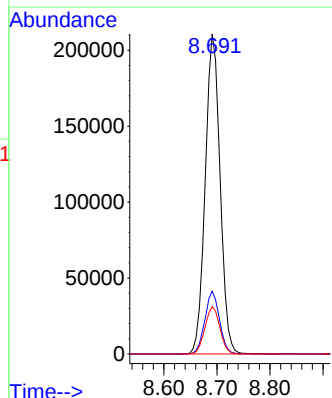
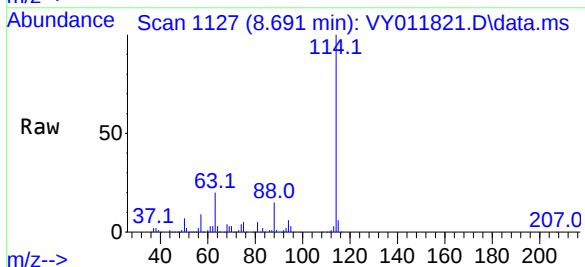
Tgt Ion: 114 Resp: 409425

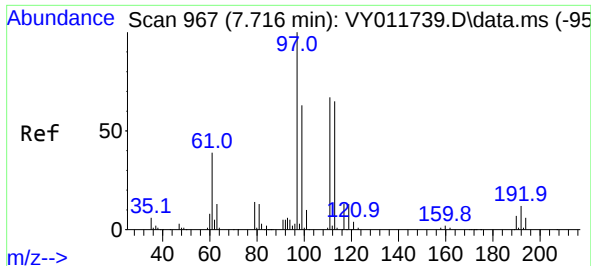
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 14.8 0.0 32.2

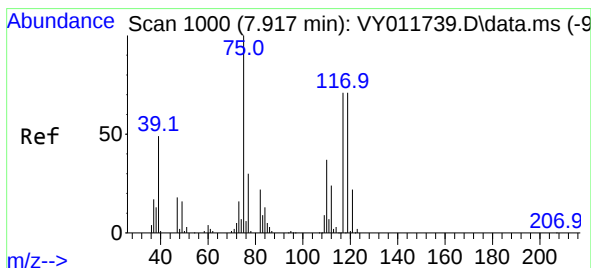
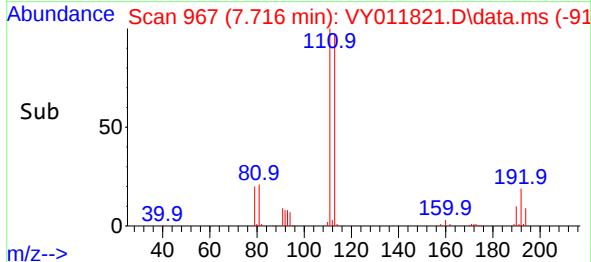
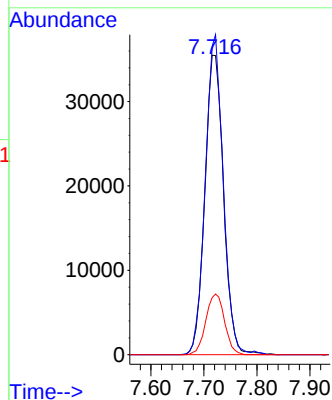
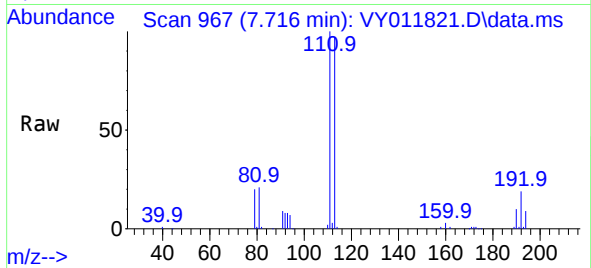




#35
Dibromofluoromethane
Concen: 47.695 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011821.D
Acq: 14 Dec 2022 03:08

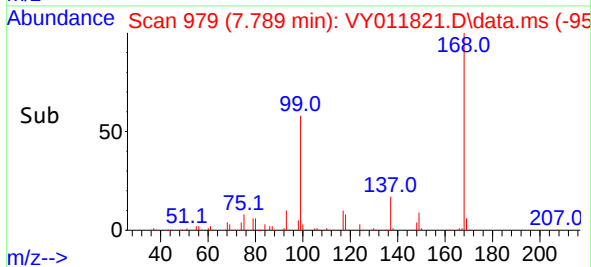
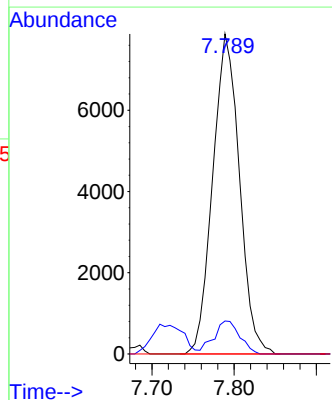
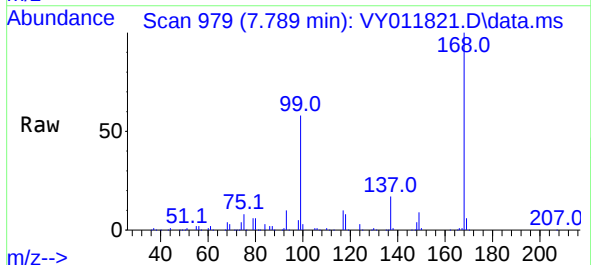
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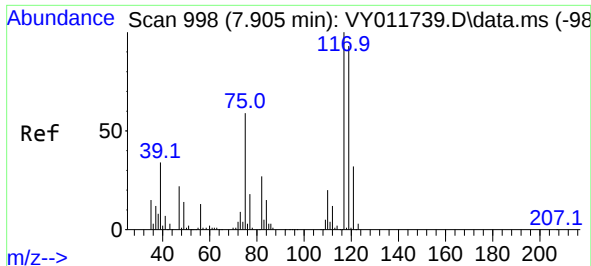
Tgt Ion:	113	Resp:	87085
Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.0	124.4
192	20.2	16.0	24.0



#36
1,1-Dichloropropene
Concen: 5.714 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011821.D
Acq: 14 Dec 2022 03:08

Tgt Ion:	75	Resp:	17754
Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.1	54.1#
77	0.0	25.1	37.7#

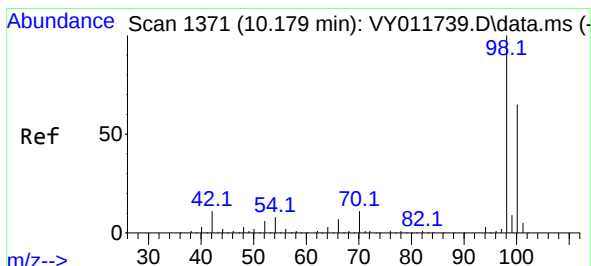
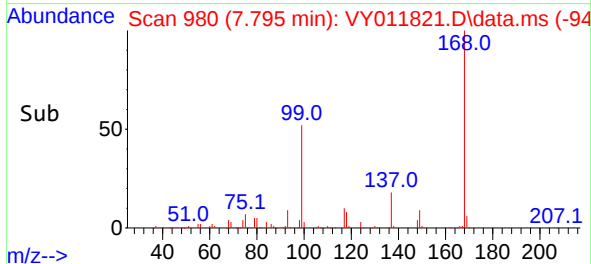
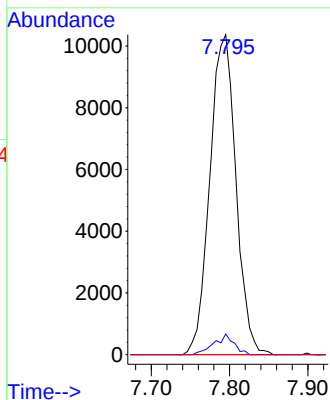
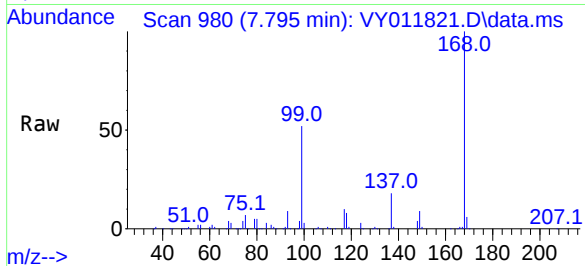




#38
Carbon Tetrachloride
Concen: 6.578 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011821.D
Acq: 14 Dec 2022 03:08

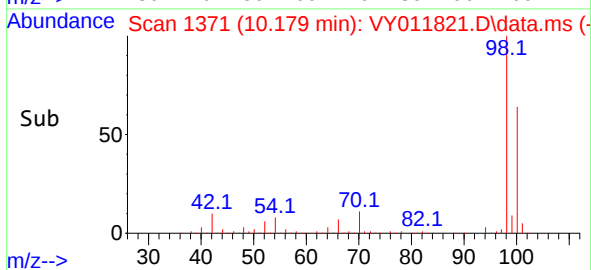
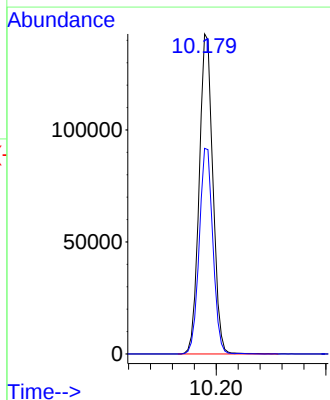
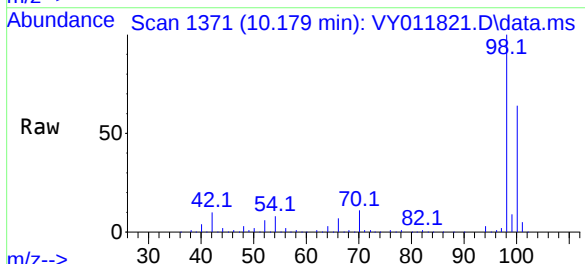
Instrument :
MSVOA_Y
ClientSampleId :
RB-24-(7-9)

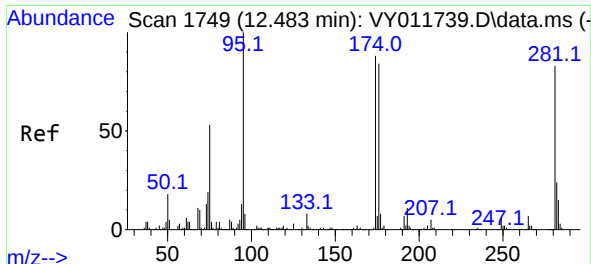
Tgt Ion:117 Resp: 24005
Ion Ratio Lower Upper
117 100
119 6.4 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 40.237 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011821.D
Acq: 14 Dec 2022 03:08

Tgt Ion: 98 Resp: 247703
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9

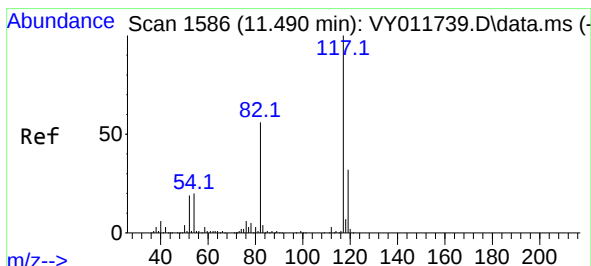
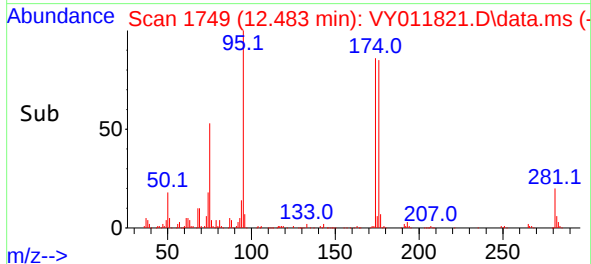
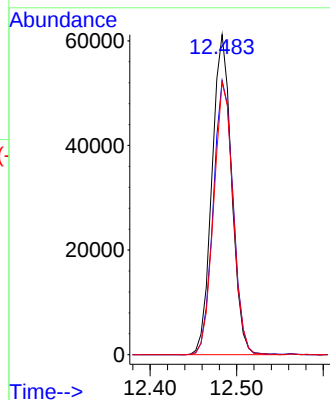
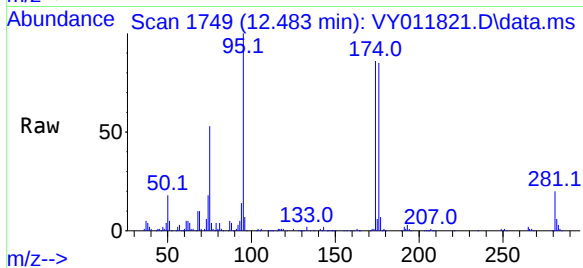




#62
4-Bromofluorobenzene
Concen: 39.573 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011821.D
Acq: 14 Dec 2022 03:08

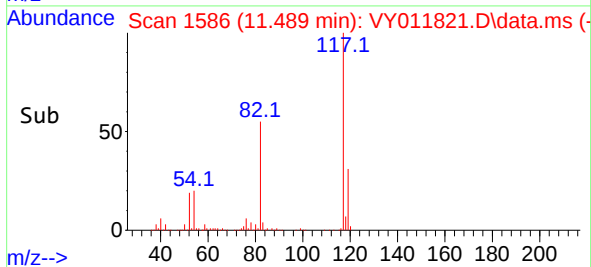
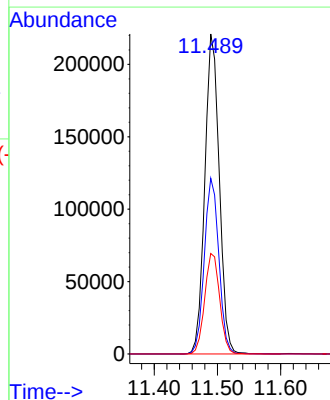
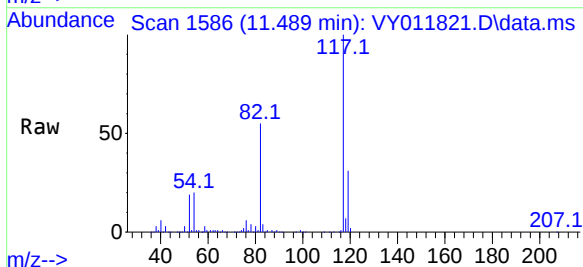
Instrument :
MSVOA_Y
ClientSampleId :
RB-24-(7-9)

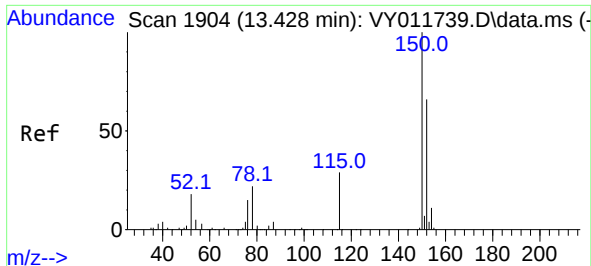
Tgt Ion: 95 Resp: 96198
Ion Ratio Lower Upper
95 100
174 87.0 0.0 172.0
176 84.3 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011821.D
Acq: 14 Dec 2022 03:08

Tgt Ion:117 Resp: 352254
Ion Ratio Lower Upper
117 100
82 54.9 44.8 67.2
119 31.4 25.4 38.2

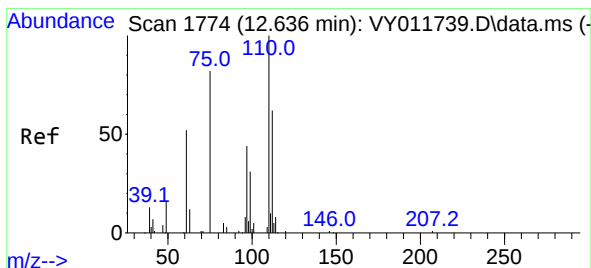
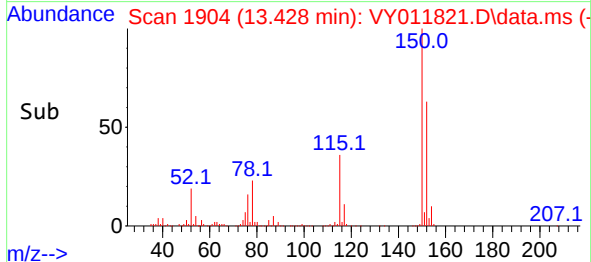
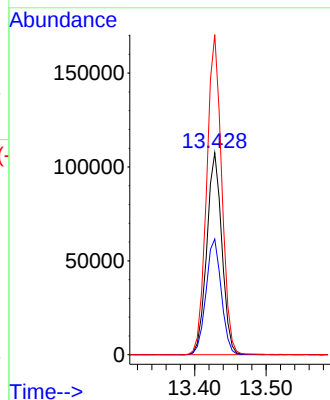
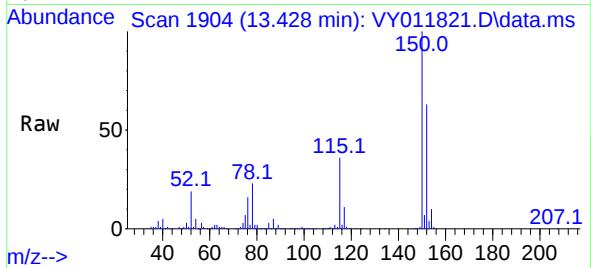




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY011821.D
 Acq: 14 Dec 2022 03:08

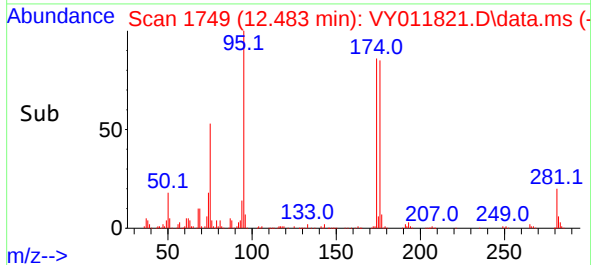
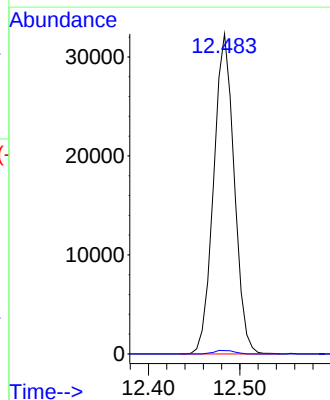
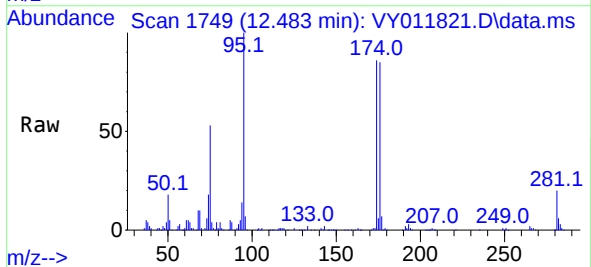
Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-24-(7-9)

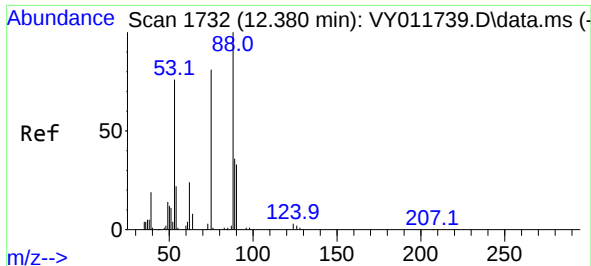
Tgt Ion:152 Resp: 157760
 Ion Ratio Lower Upper
 152 100
 115 58.1 29.1 87.3
 150 158.0 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 31.612 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY011821.D
 Acq: 14 Dec 2022 03:08

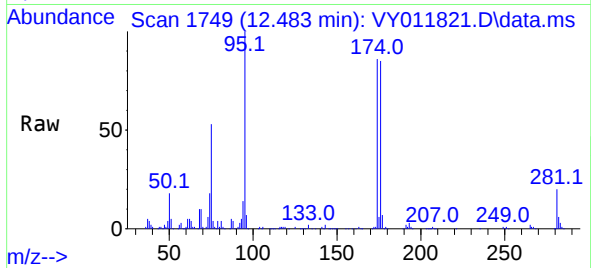
Tgt Ion: 75 Resp: 50456
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.733 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY011821.D
 Acq: 14 Dec 2022 03:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-24-(7-9)



Tgt Ion: 75 Resp: 50456
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.5 108.7#
 89 0.4 37.0 55.4#

