

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020123\
 Data File : VY012449.D
 Acq On : 01 Feb 2023 18:00
 Operator : KP/MD
 Sample : 01401-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-1-212023

Quant Time: Feb 01 23:07:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

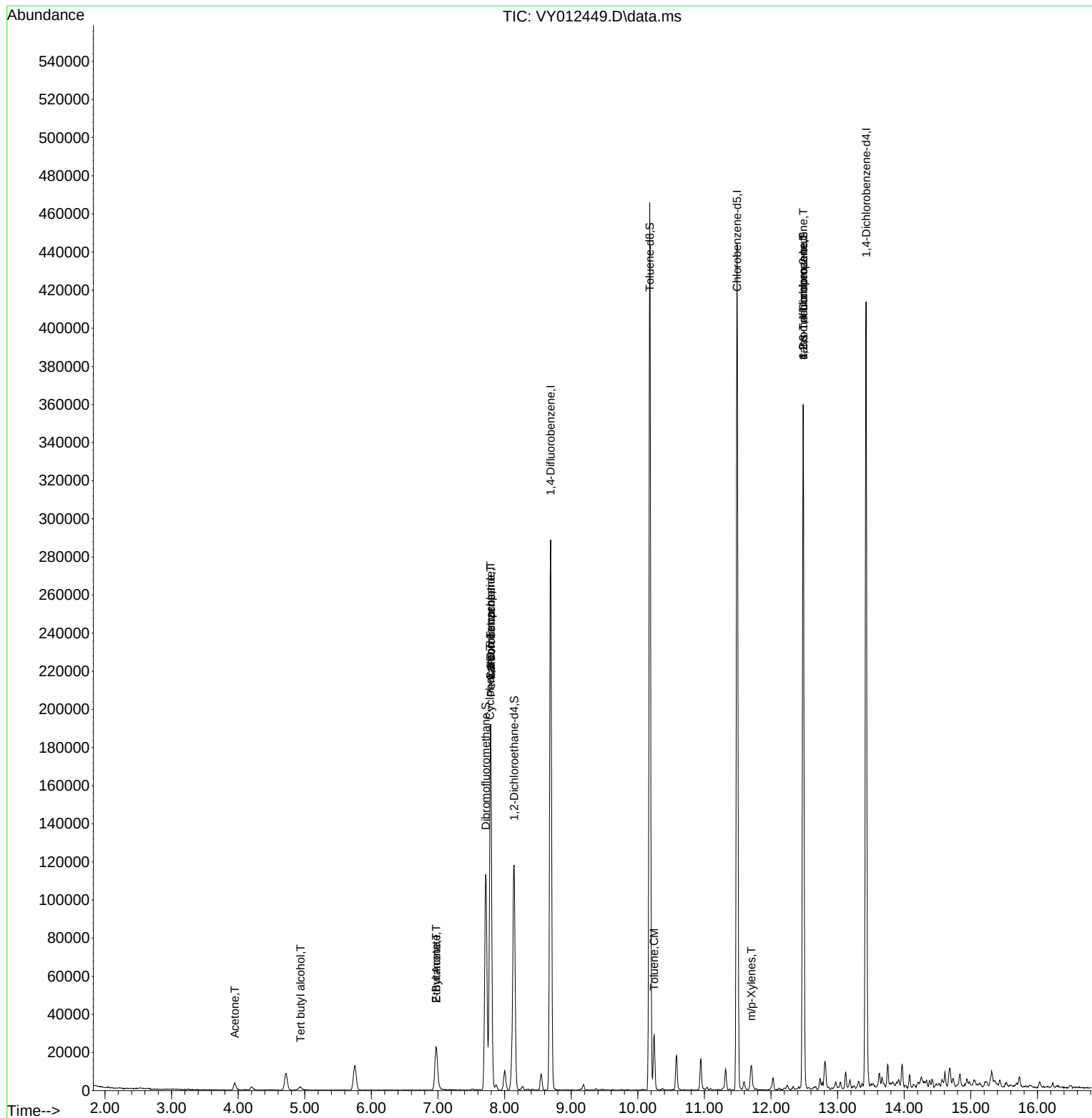
Internal Standards						
1) Pentafluorobenzene	7.795	168	152022	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	262305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	252212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	112752	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	92953	75.796	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 151.600%	
35) Dibromofluoromethane	7.716	113	81245	58.496	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 117.000%	
50) Toluene-d8	10.179	98	306923	65.086	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 130.180%	
62) 4-Bromofluorobenzene	12.483	95	103525	52.875	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.740%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	2143	2.123	ug/l #	74
16) Acetone	3.948	43	6146	14.519	ug/l	90
20) Methylene Chloride	4.722	84	7062	Below Cal		90
25) 2-Butanone	6.972	43	1298	2.777	ug/l #	82
31) Cyclohexane	7.783	56	3626	1.636	ug/l #	28
36) 1,1-Dichloropropene	7.789	75	10196	4.319	ug/l #	50
37) Ethyl Acetate	6.972	43	1298	1.247	ug/l #	1
38) Carbon Tetrachloride	7.789	117	14721	4.829	ug/l #	18
52) Toluene	10.246	92	12440	2.742	ug/l	99
68) m/p-Xylenes	11.703	106	3969	1.088	ug/l	97
76) 1,2,3-Trichloropropane	12.483	75	52647	50.779	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	52647	104.626	ug/l #	13

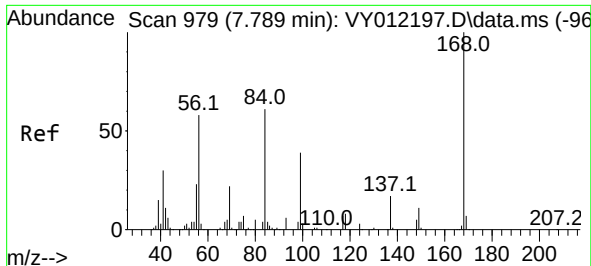
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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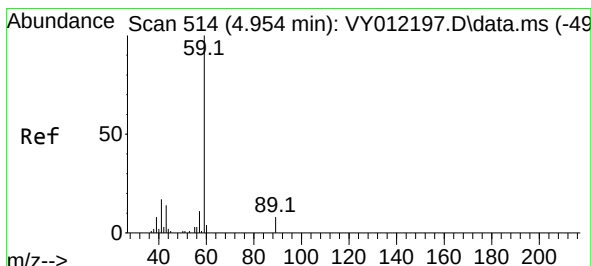
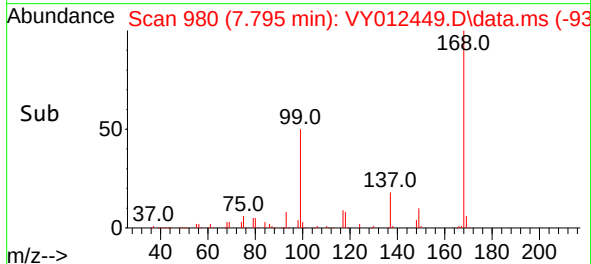
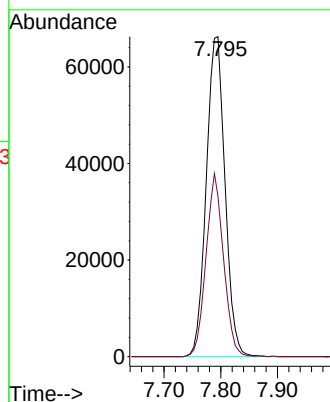
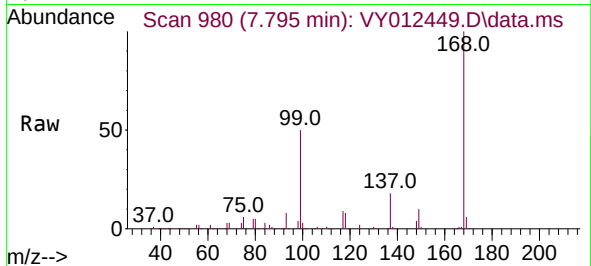




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012449.D
Acq: 01 Feb 2023 18:00

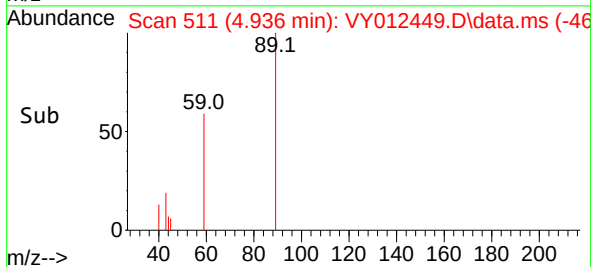
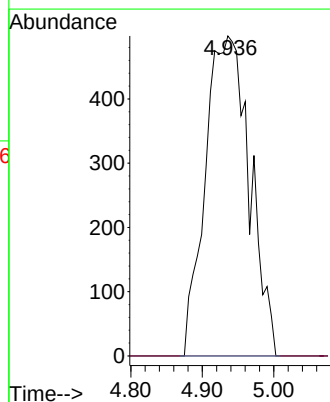
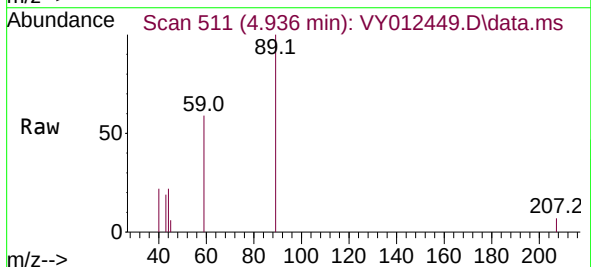
Instrument :
MSVOA_Y
ClientSampleId :
OK-1-212023

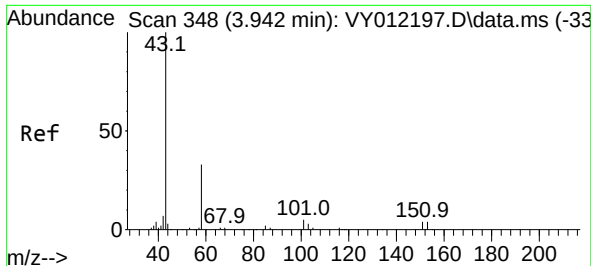
Tgt Ion:168 Resp: 152022
Ion Ratio Lower Upper
168 100
99 50.1 44.0 66.0



#11
Tert butyl alcohol
Concen: 2.123 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012449.D
Acq: 01 Feb 2023 18:00

Tgt Ion: 59 Resp: 2143
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 14.519 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY012449.D

Acq: 01 Feb 2023 18:00

Instrument :

MSVOA_Y

ClientSampleId :

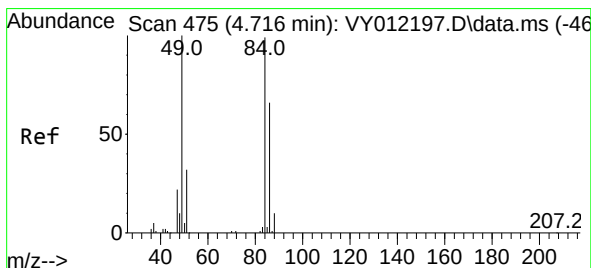
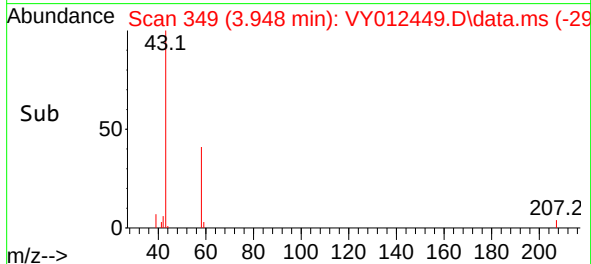
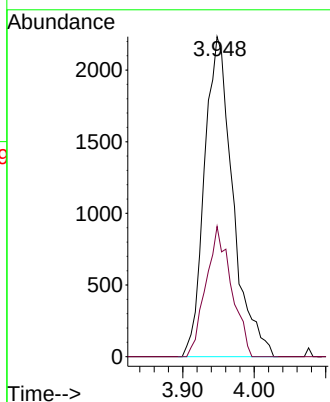
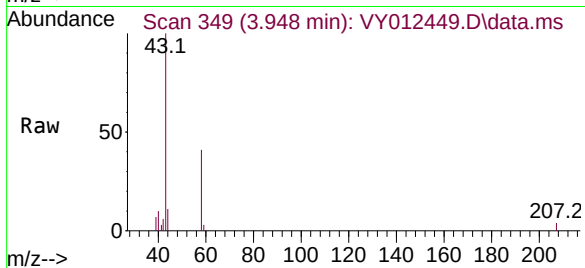
OK-1-212023

Tgt Ion: 43 Resp: 6146

Ion Ratio Lower Upper

43 100

58 40.7 27.9 41.9



#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY012449.D

Acq: 01 Feb 2023 18:00

Tgt Ion: 84 Resp: 7062

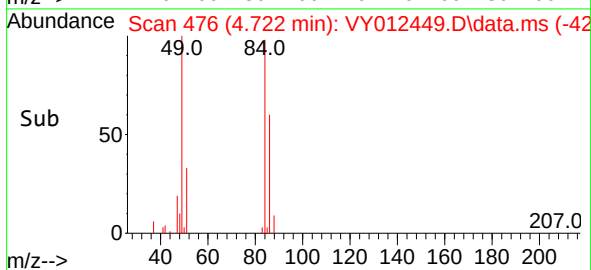
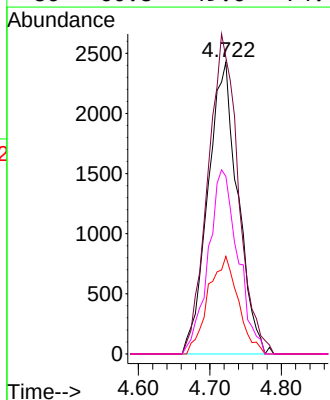
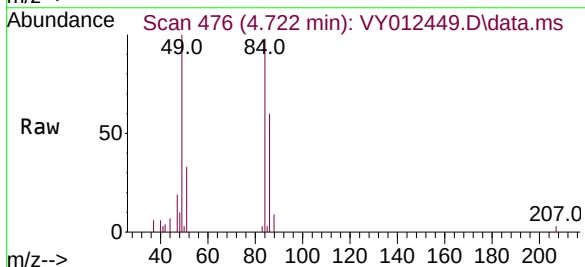
Ion Ratio Lower Upper

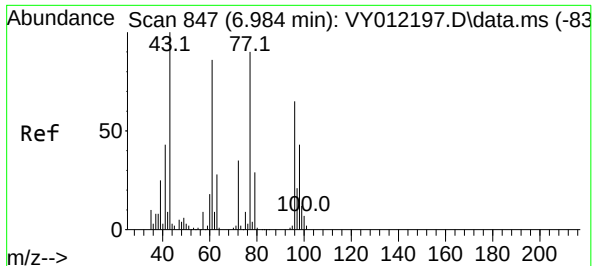
84 100

49 101.6 95.4 143.2

51 33.4 29.9 44.9

86 60.8 49.6 74.4





#25

2-Butanone

Concen: 2.777 ug/l

RT: 6.972 min Scan# 847

Delta R.T. -0.012 min

Lab File: VY012449.D

Acq: 01 Feb 2023 18:00

Instrument :

MSVOA_Y

ClientSampleId :

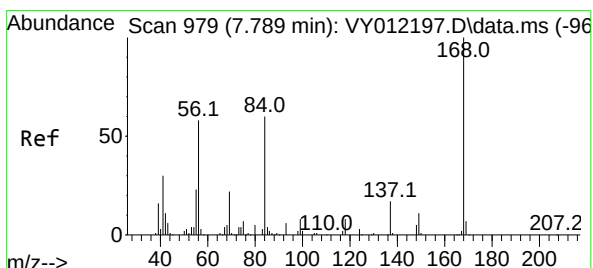
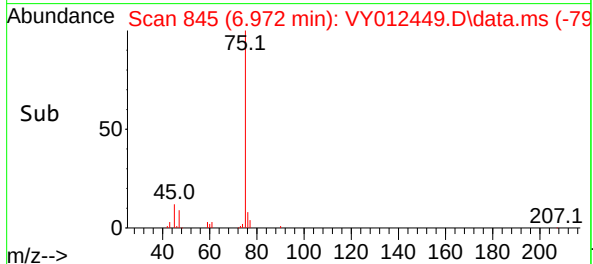
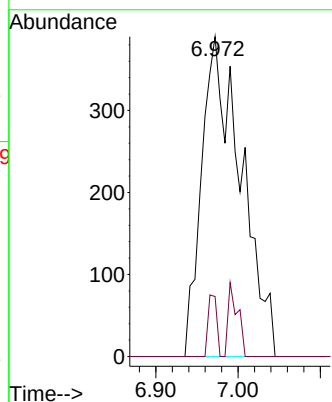
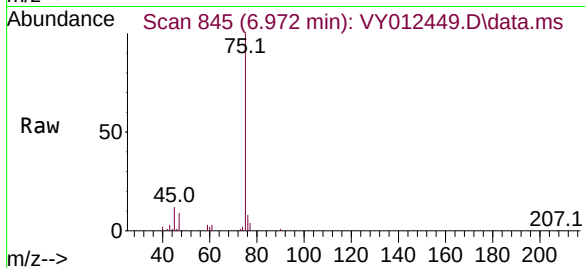
OK-1-212023

Tgt Ion: 43 Resp: 1298

Ion Ratio Lower Upper

43 100

72 18.7 22.6 34.0#



#31

Cyclohexane

Concen: 1.636 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY012449.D

Acq: 01 Feb 2023 18:00

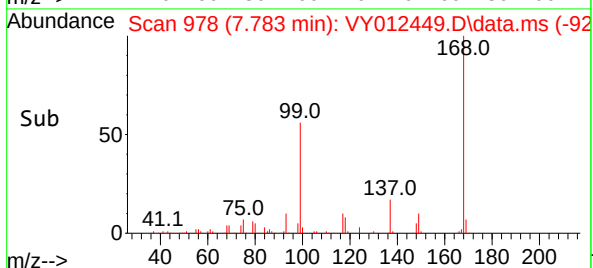
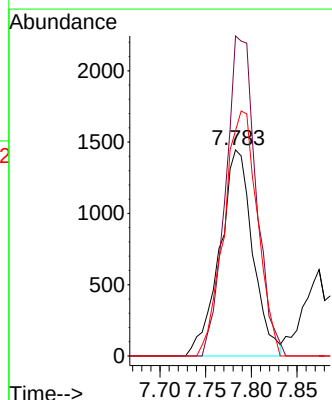
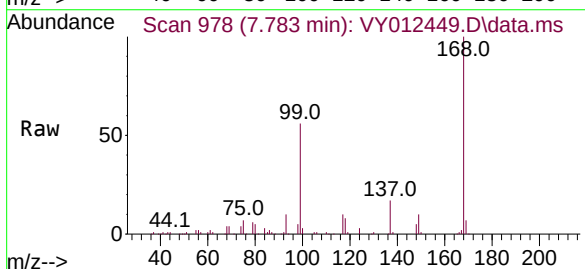
Tgt Ion: 56 Resp: 3626

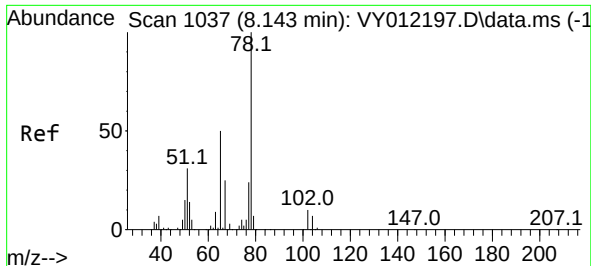
Ion Ratio Lower Upper

56 100

69 155.3 29.2 43.8#

84 109.3 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 75.796 ug/l

RT: 8.142 min Scan# 1103

Delta R.T. -0.001 min

Lab File: VY012449.D

Acq: 01 Feb 2023 18:00

Instrument :

MSVOA_Y

ClientSampleId :

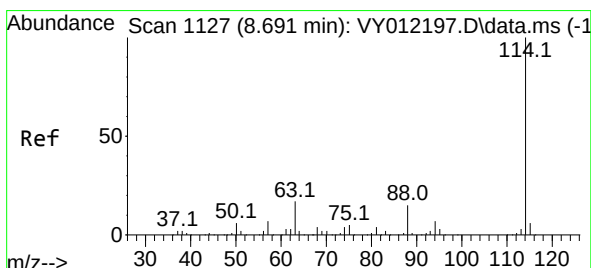
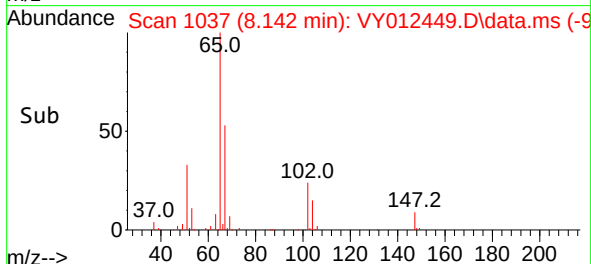
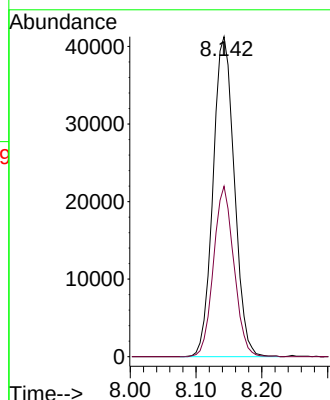
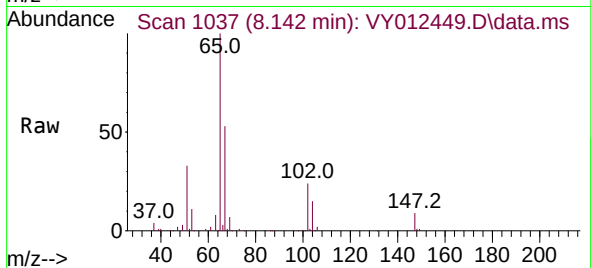
OK-1-212023

Tgt Ion: 65 Resp: 92953

Ion Ratio Lower Upper

65 100

67 51.1 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: VY012449.D

Acq: 01 Feb 2023 18:00

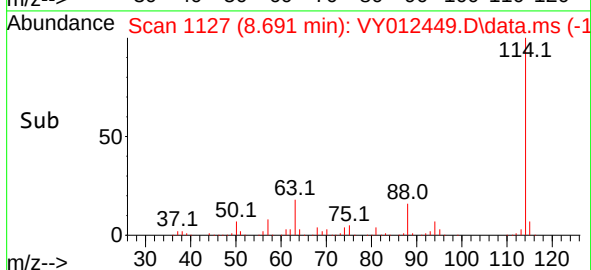
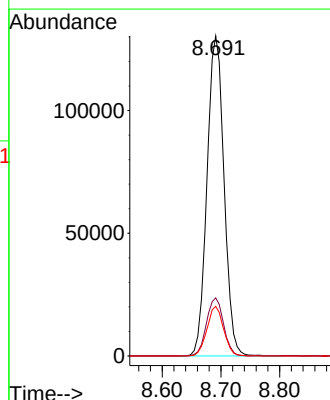
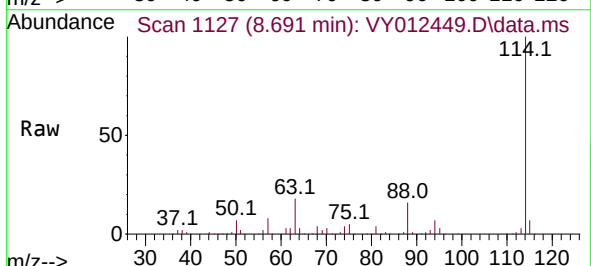
Tgt Ion: 114 Resp: 262305

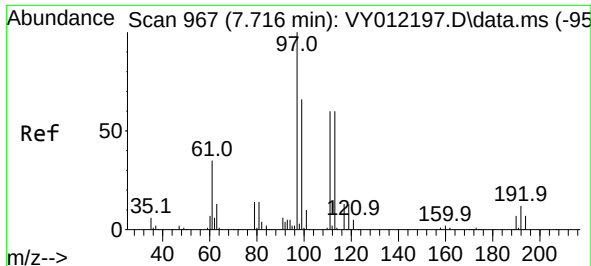
Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.6

88 15.5 0.0 32.2

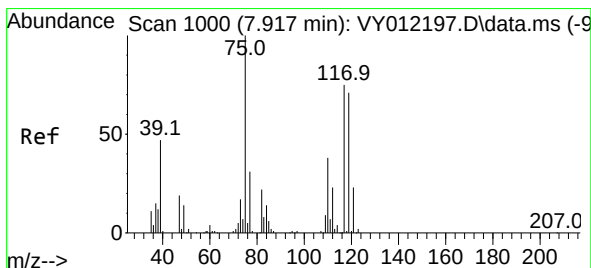
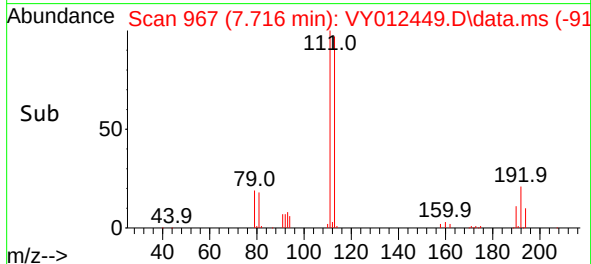
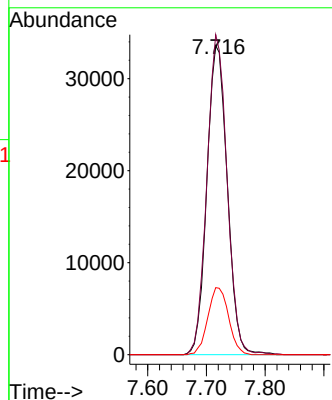
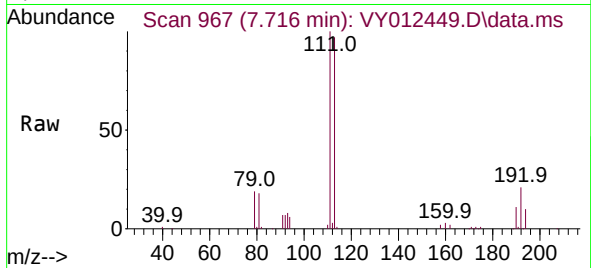




#35
Dibromofluoromethane
Concen: 58.496 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012449.D
Acq: 01 Feb 2023 18:00

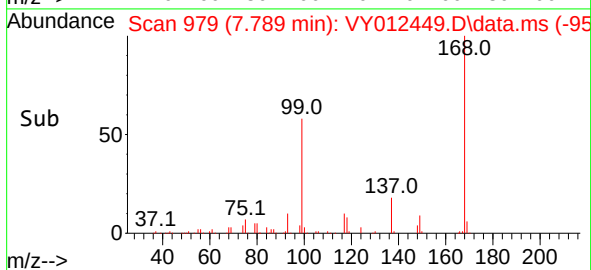
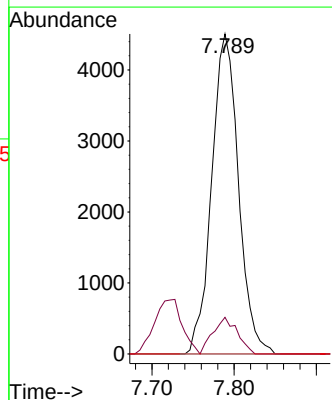
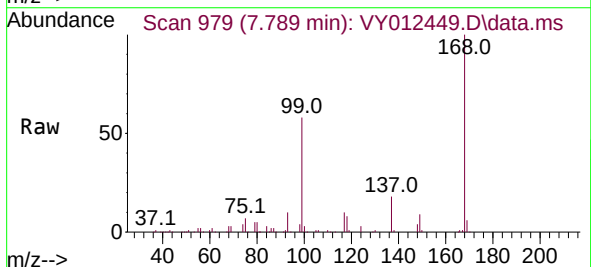
Instrument :
MSVOA_Y
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OK-1-212023

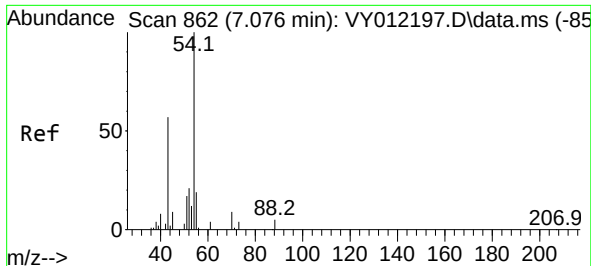
Tgt Ion:113 Resp: 81245
Ion Ratio Lower Upper
113 100
111 102.4 83.0 124.4
192 22.0 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.319 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012449.D
Acq: 01 Feb 2023 18:00

Tgt Ion: 75 Resp: 10196
Ion Ratio Lower Upper
75 100
110 10.4 18.1 54.1#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 1.247 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.104 min

Lab File: VY012449.D

Acq: 01 Feb 2023 18:00

Instrument :

MSVOA_Y

ClientSampleId :

OK-1-212023

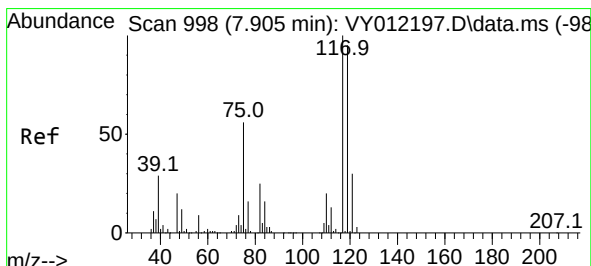
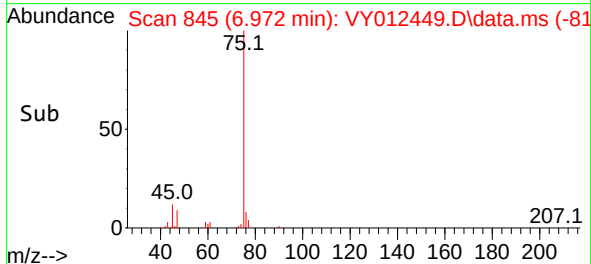
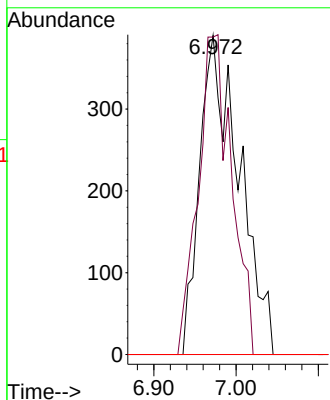
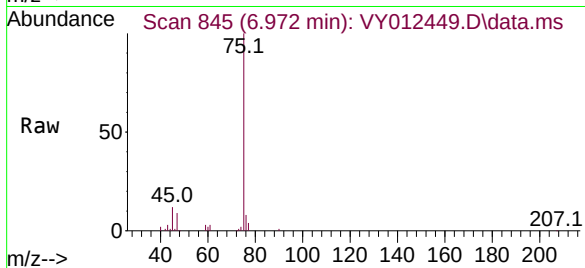
Tgt Ion: 43 Resp: 1298

Ion Ratio Lower Upper

43 100

61 84.9 11.3 16.9#

70 0.0 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 4.829 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012449.D

Acq: 01 Feb 2023 18:00

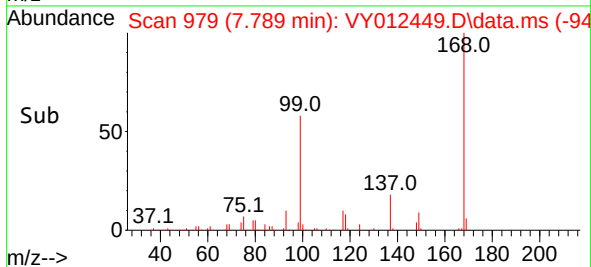
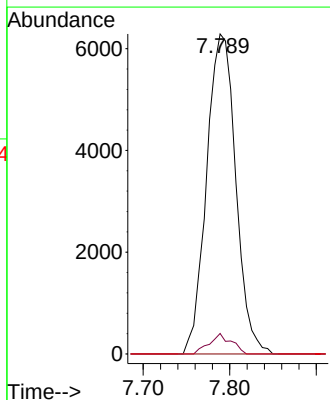
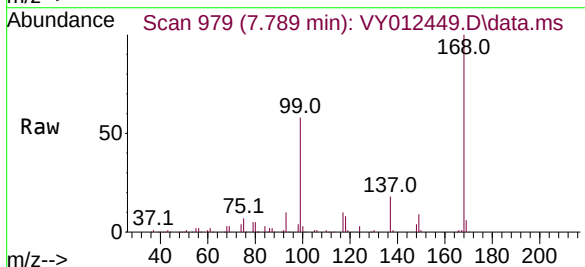
Tgt Ion: 117 Resp: 14721

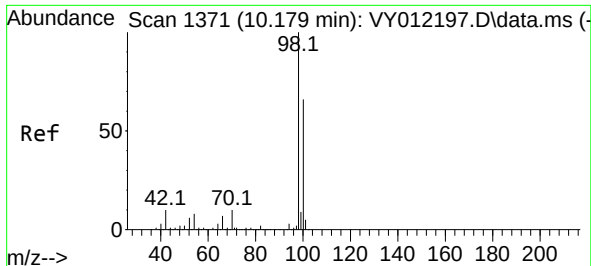
Ion Ratio Lower Upper

117 100

119 6.4 73.8 110.8#

121 0.0 25.2 37.8#

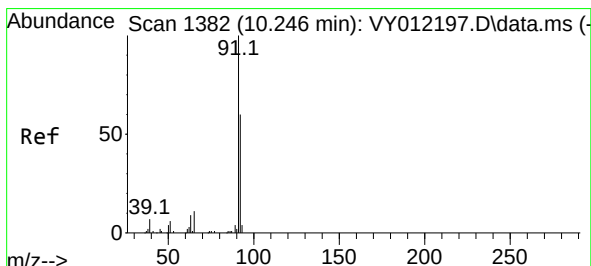
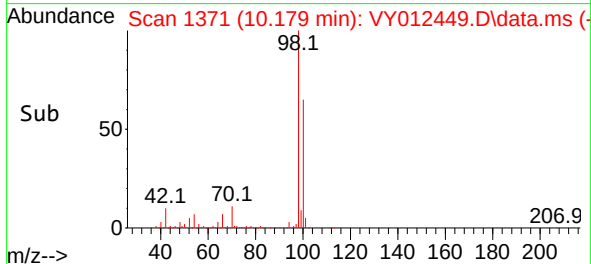
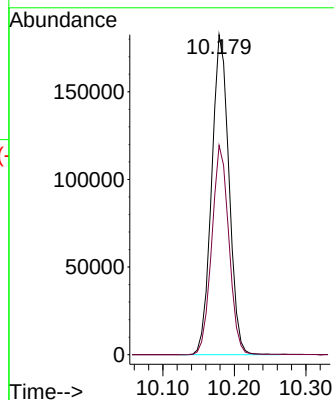
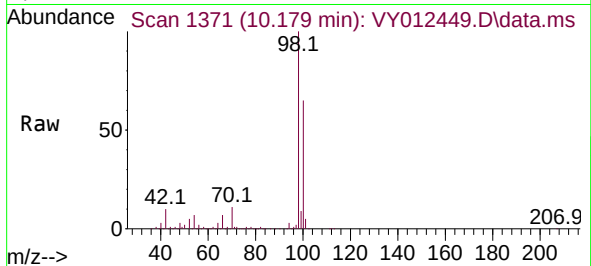




#50
Toluene-d8
Concen: 65.086 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012449.D
Acq: 01 Feb 2023 18:00

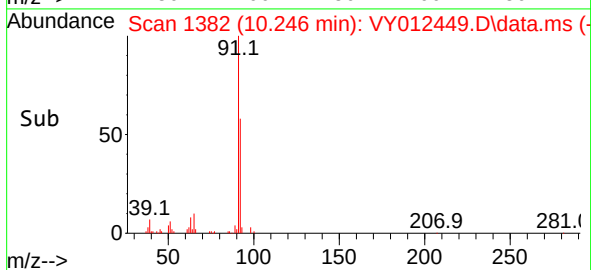
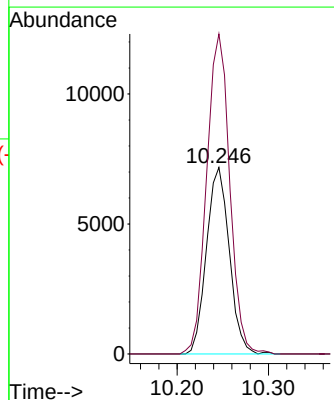
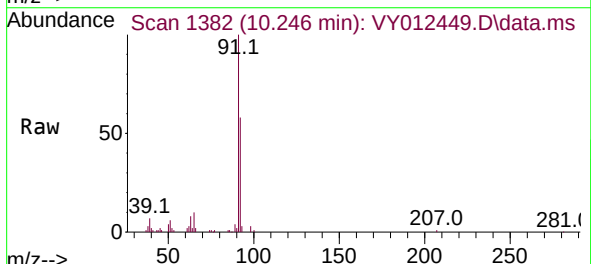
Instrument :
MSVOA_Y
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OK-1-212023

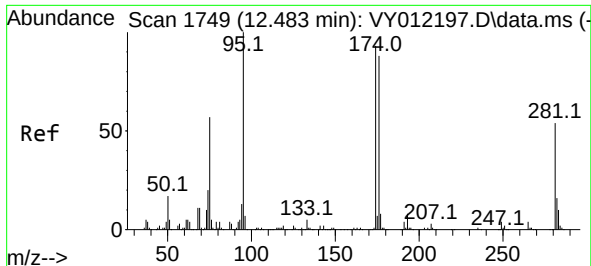
Tgt Ion: 98 Resp: 306923
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



#52
Toluene
Concen: 2.742 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY012449.D
Acq: 01 Feb 2023 18:00

Tgt Ion: 92 Resp: 12440
Ion Ratio Lower Upper
92 100
91 173.6 137.4 206.0

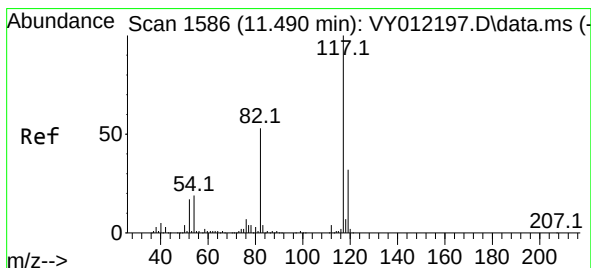
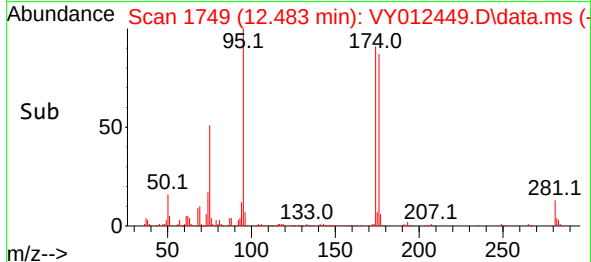
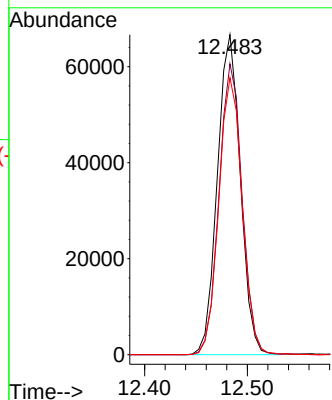
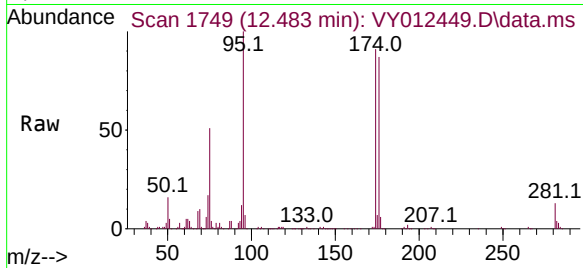




#62
4-Bromofluorobenzene
Concen: 52.875 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012449.D
Acq: 01 Feb 2023 18:00

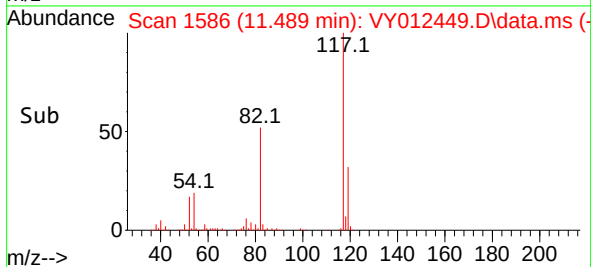
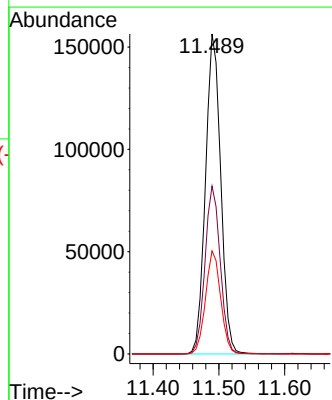
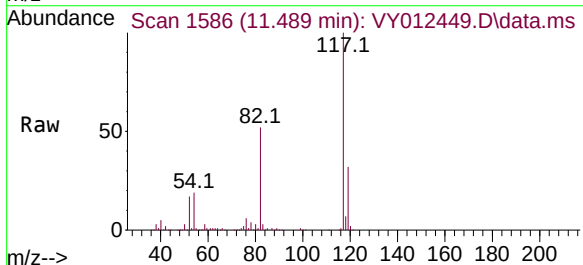
Instrument :
MSVOA_Y
ClientSampleId :
OK-1-212023

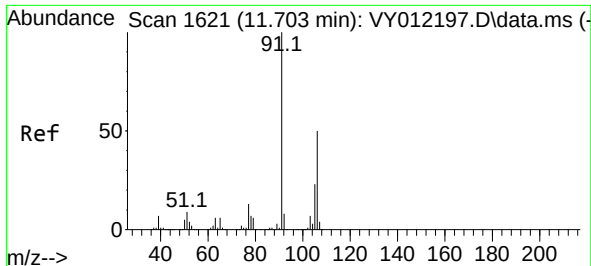
Tgt Ion: 95 Resp: 103525
Ion Ratio Lower Upper
95 100
174 91.3 0.0 172.0
176 88.0 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012449.D
Acq: 01 Feb 2023 18:00

Tgt Ion: 117 Resp: 252212
Ion Ratio Lower Upper
117 100
82 52.4 44.8 67.2
119 32.2 25.4 38.2

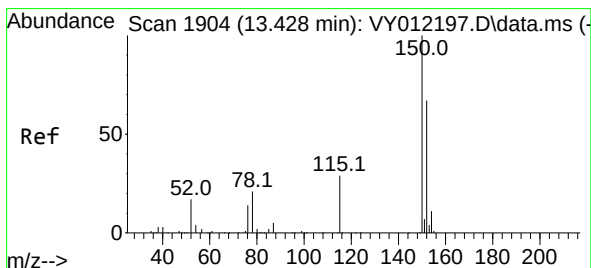
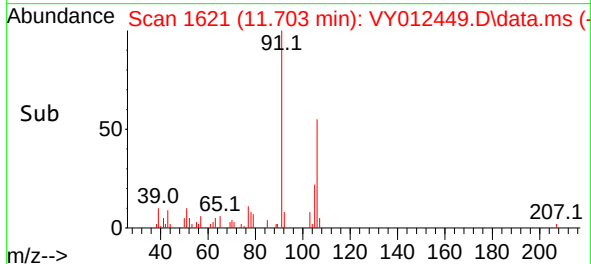
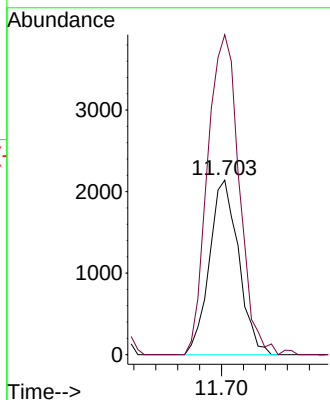
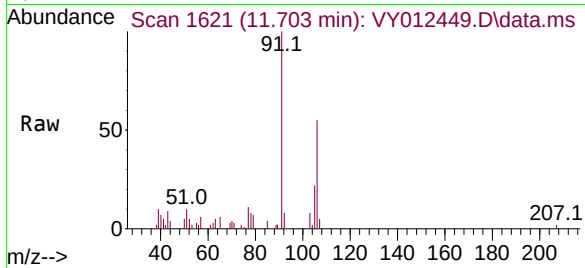




#68
m/p-Xylenes
Concen: 1.088 ug/l
RT: 11.703 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012449.D
Acq: 01 Feb 2023 18:00

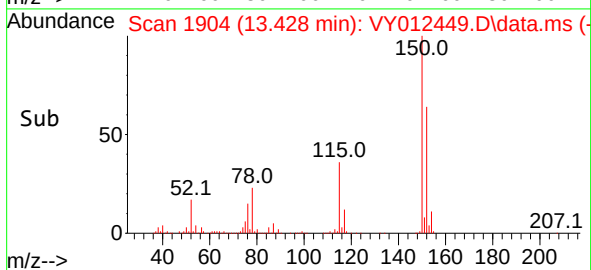
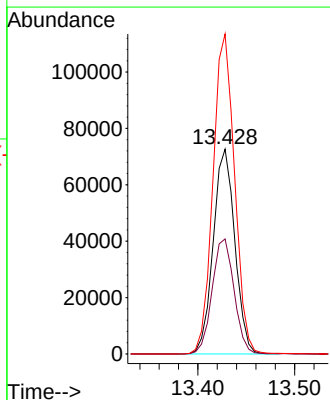
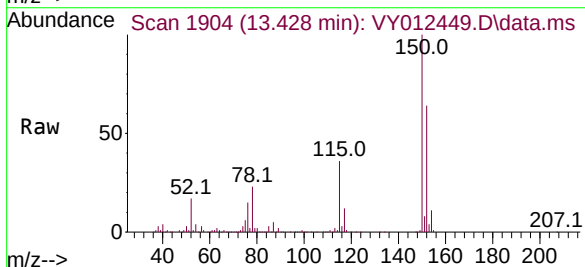
Instrument :
MSVOA_Y
ClientSampleId :
OK-1-212023

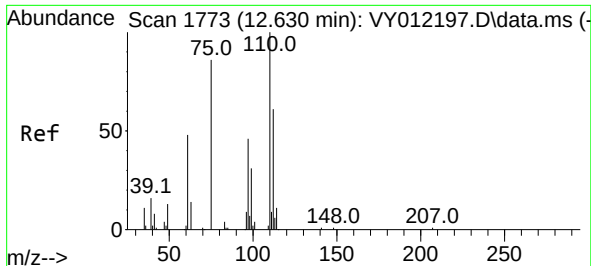
Tgt Ion:106 Resp: 3969
Ion Ratio Lower Upper
106 100
91 198.6 162.5 243.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012449.D
Acq: 01 Feb 2023 18:00

Tgt Ion:152 Resp: 112752
Ion Ratio Lower Upper
152 100
115 57.1 29.1 87.3
150 156.1 0.0 342.6

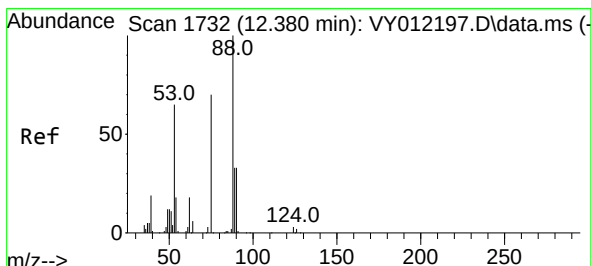
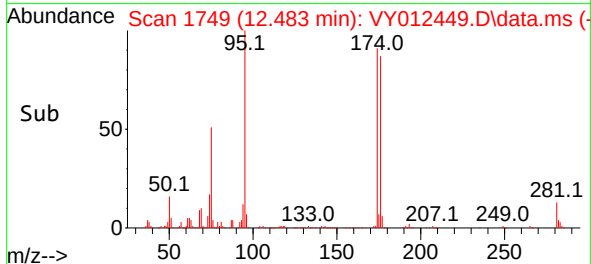
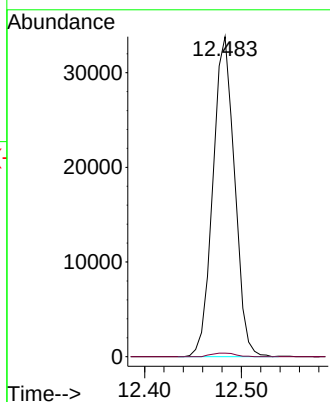
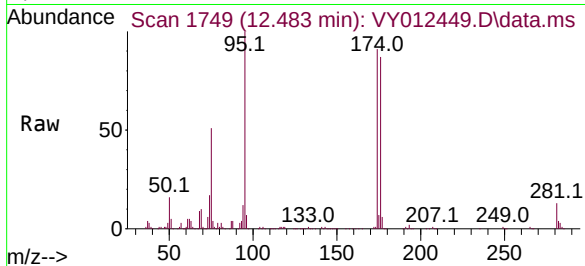




#76
1,2,3-Trichloropropane
Concen: 50.779 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012449.D
Acq: 01 Feb 2023 18:00

Instrument :
MSVOA_Y
ClientSampleId :
OK-1-212023

Tgt Ion: 75 Resp: 52647
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.626 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012449.D
Acq: 01 Feb 2023 18:00

Tgt Ion: 75 Resp: 52647
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

