

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015262.D
 Acq On : 22 Aug 2023 22:42
 Operator : SY/MD
 Sample : VY0822SBL02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0822SBL02

Quant Time: Aug 23 02:49:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

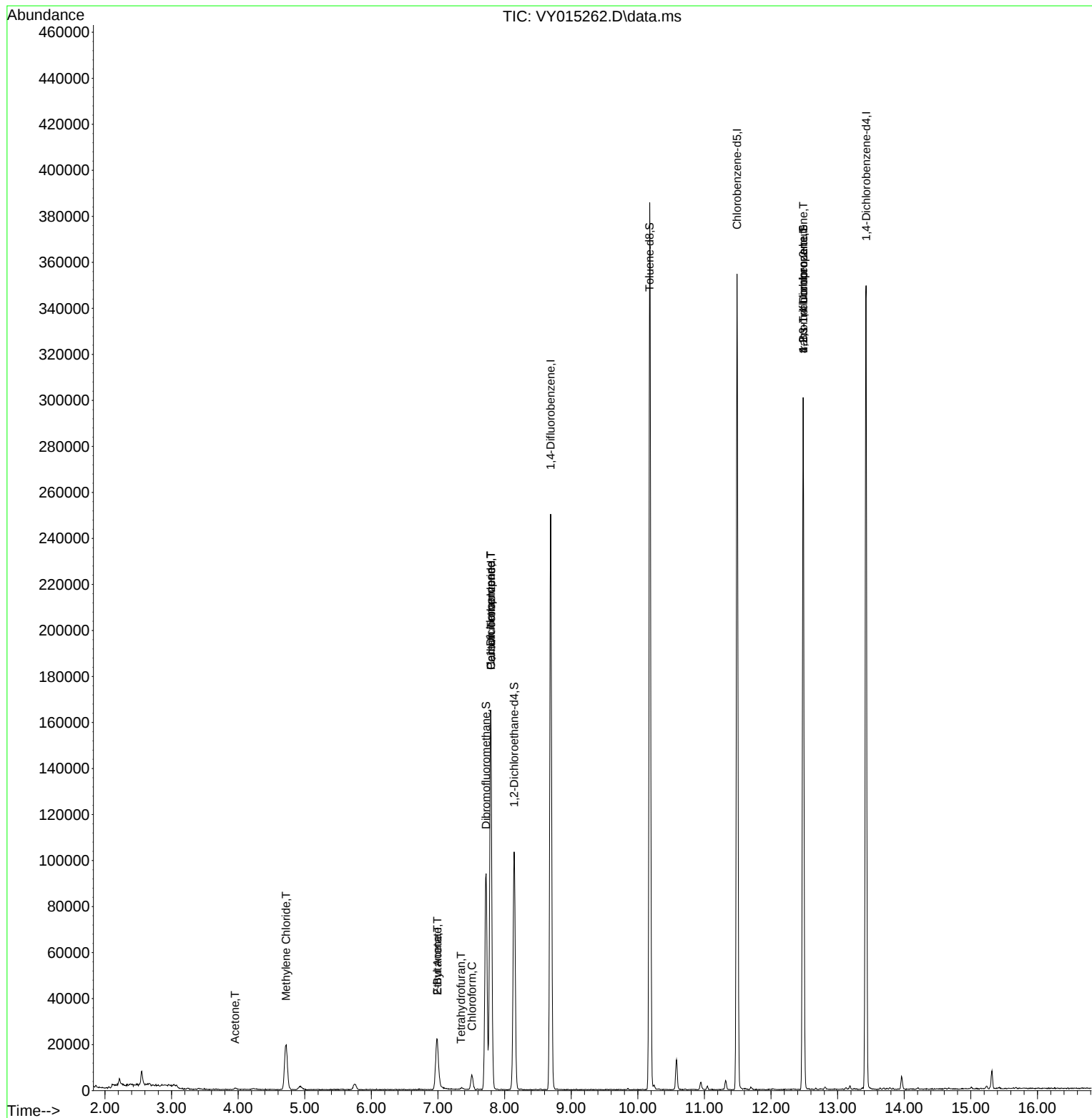
Internal Standards						
1) Pentafluorobenzene	7.795	168	128685	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	211118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	189363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	90469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	81332	52.651	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.300%			
35) Dibromofluoromethane	7.722	113	66355	48.855	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.720%			
50) Toluene-d8	10.179	98	247807	49.013	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.020%			
62) 4-Bromofluorobenzene	12.483	95	81691	44.237	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 88.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	73	Below Cal	#	43
3) Chloromethane	2.113	50	346	Below Cal	#	77
5) Bromomethane	2.656	94	344	Below Cal		90
11) Tert butyl alcohol	4.924	59	1728	Below Cal	#	89
13) Acrolein	3.729	56	26	Below Cal	#	14
16) Acetone	3.954	43	1232	2.441	ug/l #	76
20) Methylene Chloride	4.716	84	15240	9.058	ug/l	85
25) 2-Butanone	6.990	43	1720	2.407	ug/l #	49
29) Tetrahydrofuran	7.344	42	635	1.486	ug/l #	78
30) Chloroform	7.509	83	6005	2.498	ug/l	96
31) Cyclohexane	7.783	56	2718	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	10224	6.804	ug/l #	50
37) Ethyl Acetate	6.990	43	1720	1.228	ug/l #	7
38) Carbon Tetrachloride	7.795	117	12521	7.041	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	44148	40.166	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	44148	88.224	ug/l #	11

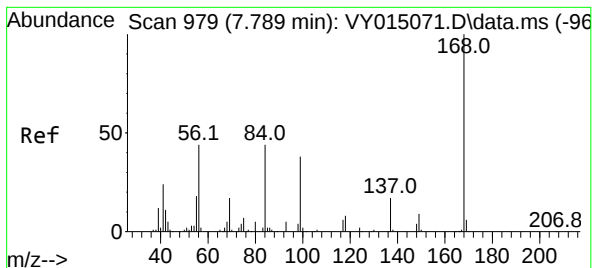
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
Data File : VY015262.D
Acq On : 22 Aug 2023 22:42
Operator : SY/MD
Sample : VY08222SBL02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY08222SBL02

Quant Time: Aug 23 02:49:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 14 12:43:26 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.795 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY015262.D

Acq: 22 Aug 2023 22:42

Instrument :

MSVOA_Y

ClientSampleId :

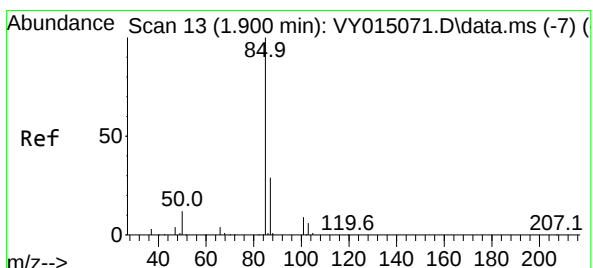
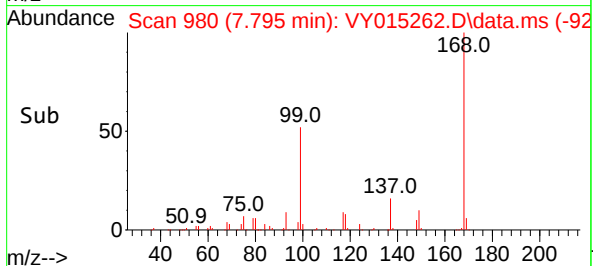
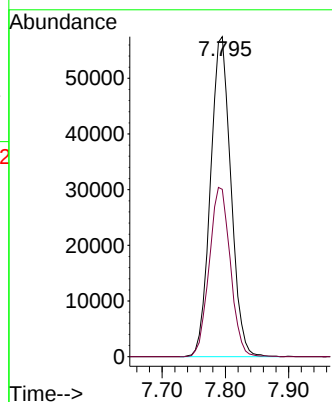
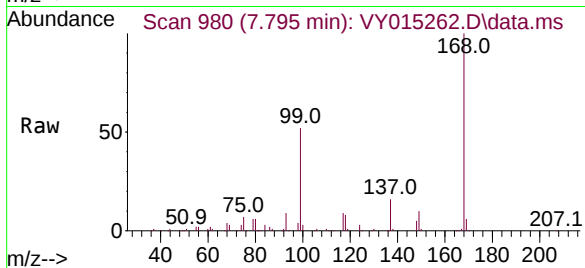
VY0822SBL02

Tgt Ion:168 Resp: 128685

Ion Ratio Lower Upper

168 100

99 52.3 43.4 65.0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.918 min Scan# 16

Delta R.T. 0.018 min

Lab File: VY015262.D

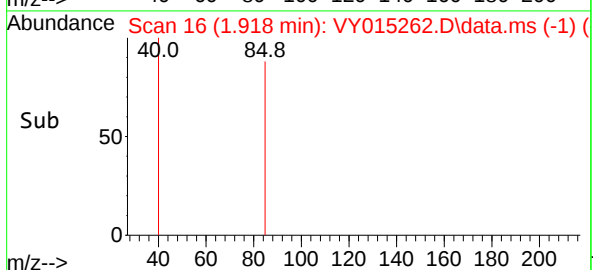
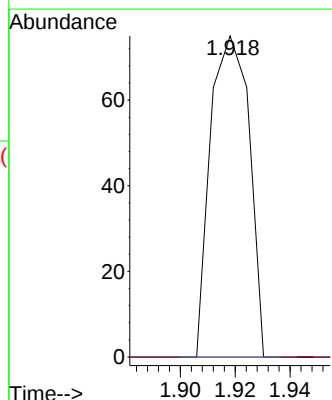
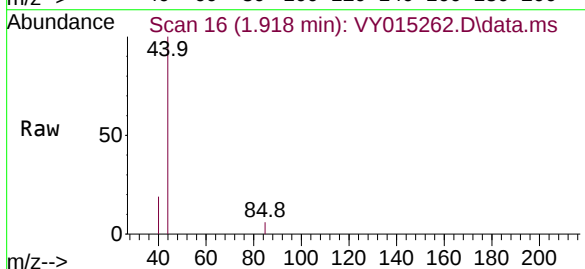
Acq: 22 Aug 2023 22:42

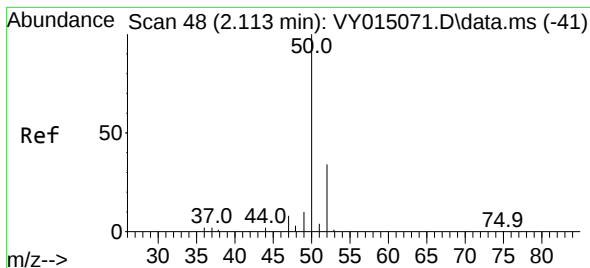
Tgt Ion: 85 Resp: 73

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#





#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY015262.D

Acq: 22 Aug 2023 22:42

Instrument :

MSVOA_Y

ClientSampleId :

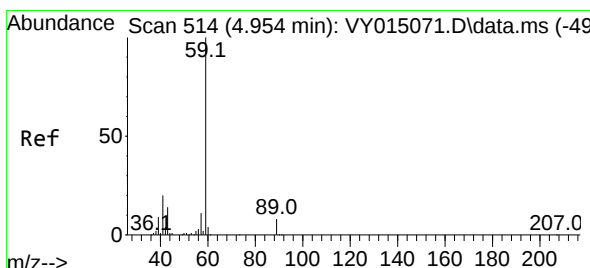
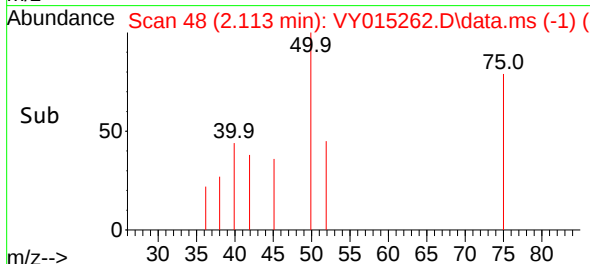
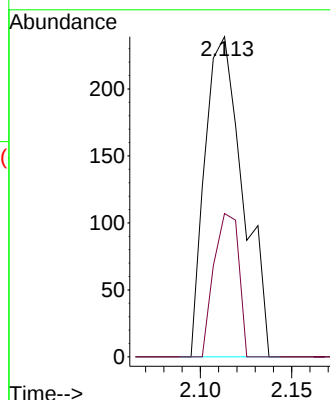
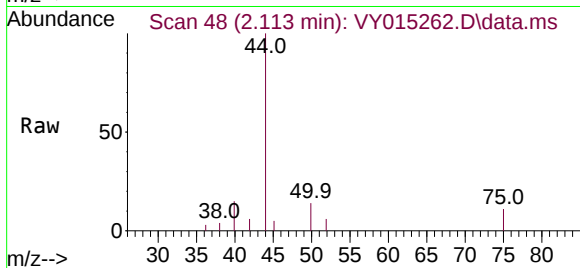
VY0822SBL02

Tgt Ion: 50 Resp: 346

Ion Ratio Lower Upper

50 100

52 44.8 25.4 38.2#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.924 min Scan# 509

Delta R.T. -0.024 min

Lab File: VY015262.D

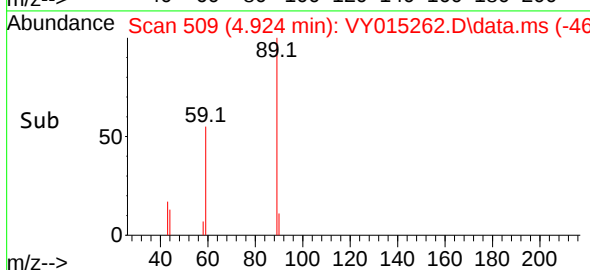
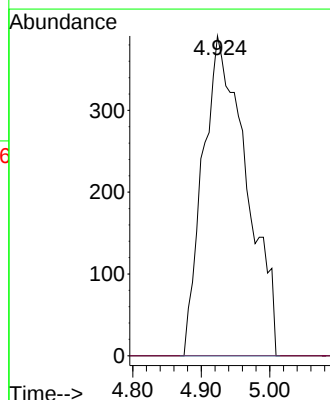
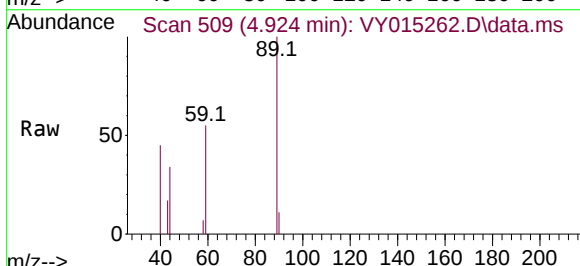
Acq: 22 Aug 2023 22:42

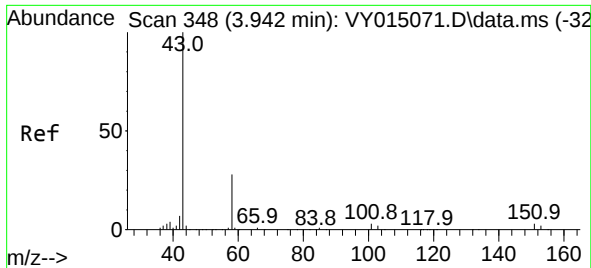
Tgt Ion: 59 Resp: 1728

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#





#16

Acetone

Concen: 2.441 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY015262.D

Acq: 22 Aug 2023 22:42

Instrument :

MSVOA_Y

ClientSampleId :

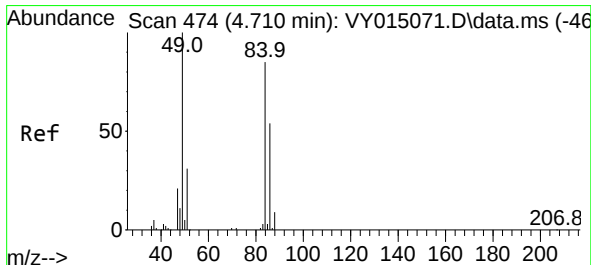
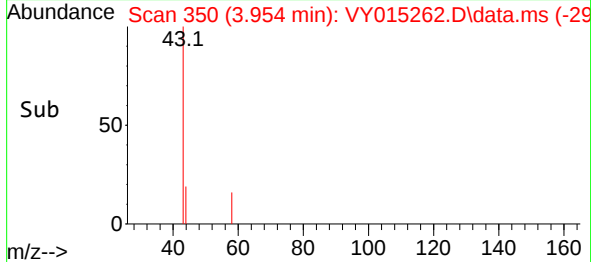
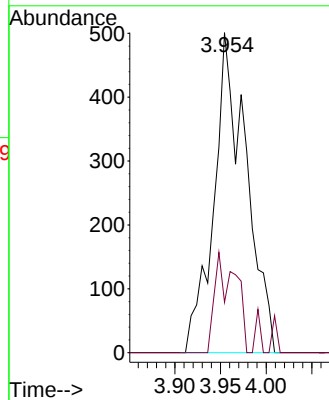
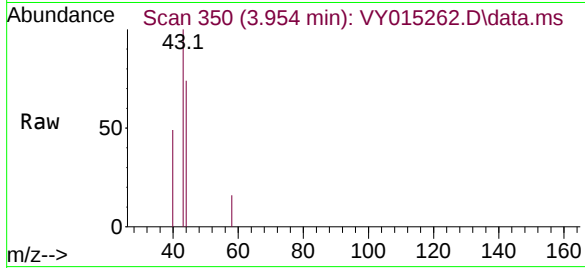
VY0822SBL02

Tgt Ion: 43 Resp: 1232

Ion Ratio Lower Upper

43 100

58 15.8 22.7 34.1#



#20

Methylene Chloride

Concen: 9.058 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY015262.D

Acq: 22 Aug 2023 22:42

Tgt Ion: 84 Resp: 15240

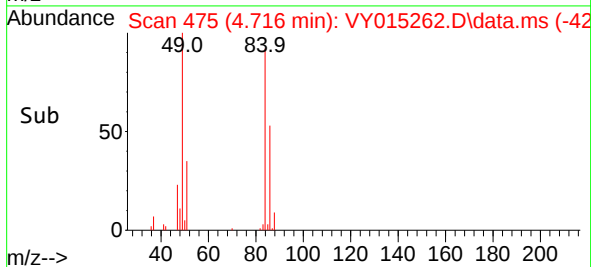
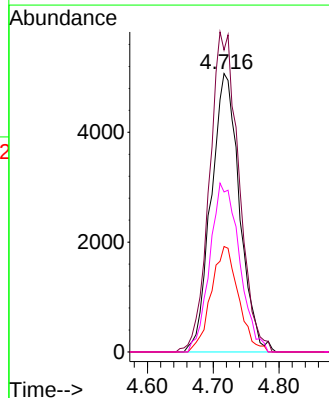
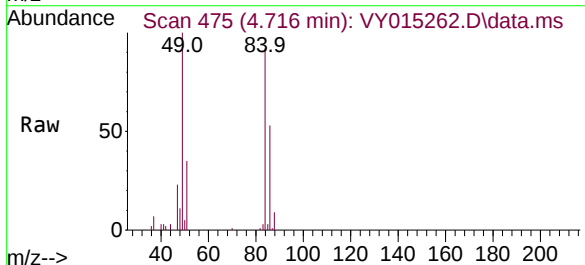
Ion Ratio Lower Upper

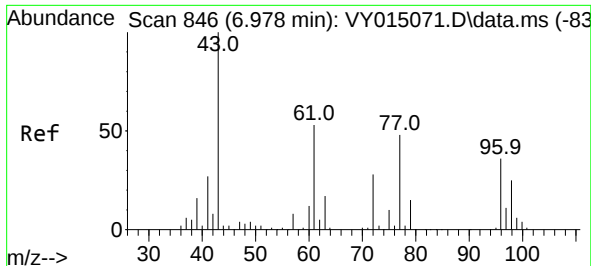
84 100

49 108.4 106.9 160.3

51 37.9 33.2 49.8

86 57.5 51.0 76.6





#25

2-Butanone

Concen: 2.407 ug/l

RT: 6.990 min Scan# 846

Delta R.T. 0.012 min

Lab File: VY015262.D

Acq: 22 Aug 2023 22:42

Instrument :

MSVOA_Y

ClientSampleId :

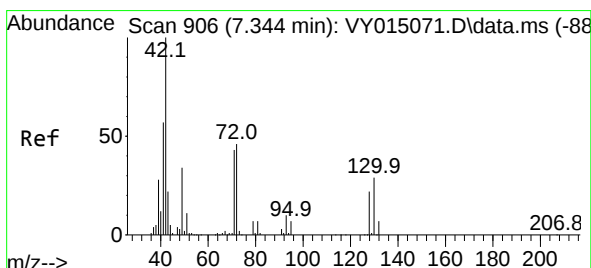
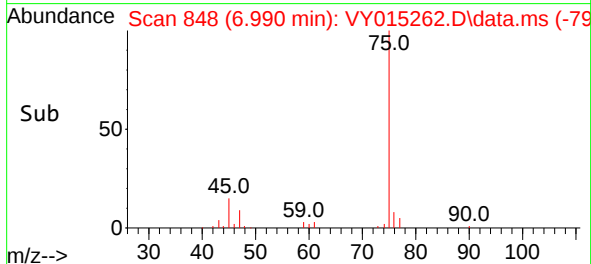
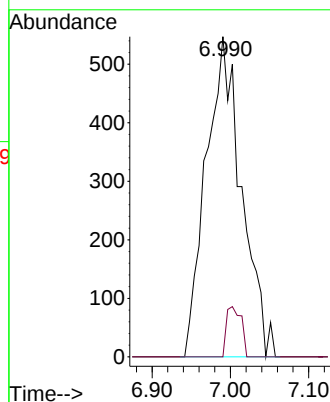
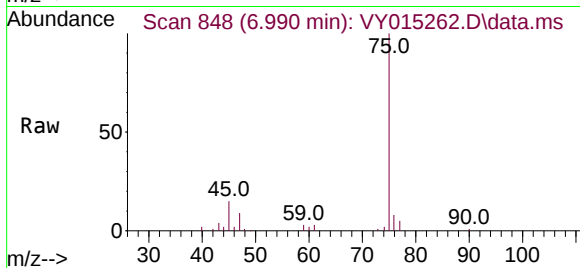
VY0822SBL02

Tgt Ion: 43 Resp: 1720

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#29

Tetrahydrofuran

Concen: 1.486 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY015262.D

Acq: 22 Aug 2023 22:42

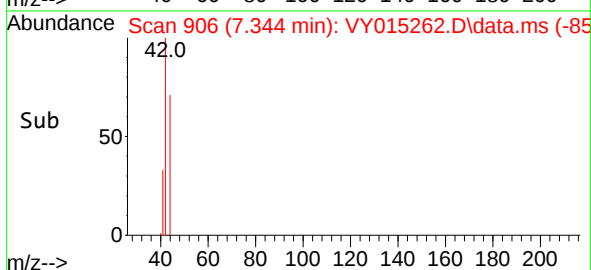
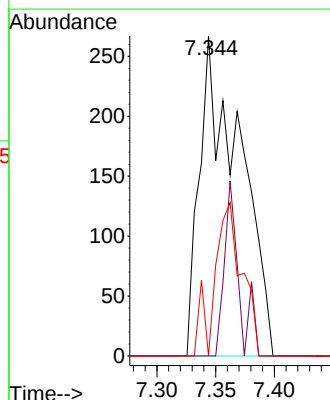
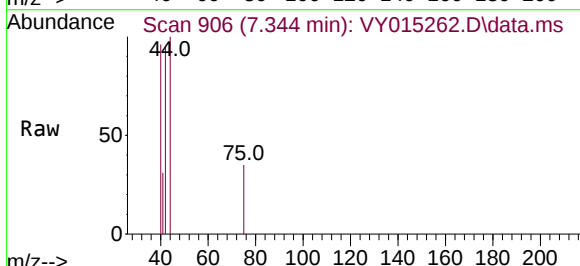
Tgt Ion: 42 Resp: 635

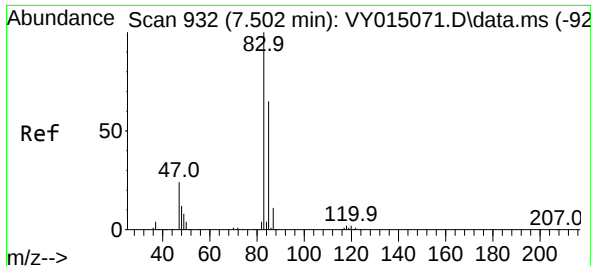
Ion Ratio Lower Upper

42 100

72 20.0 32.8 49.2#

71 32.9 31.0 46.4

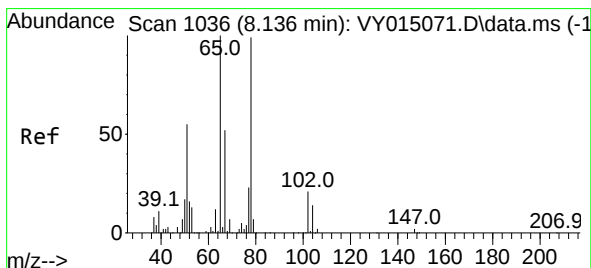
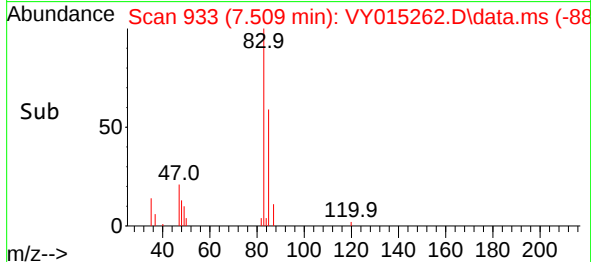
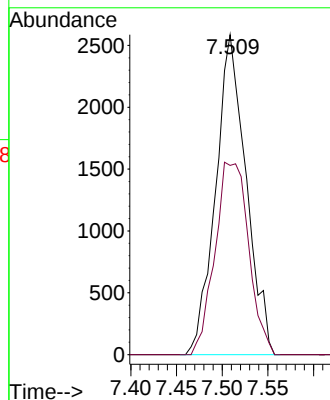
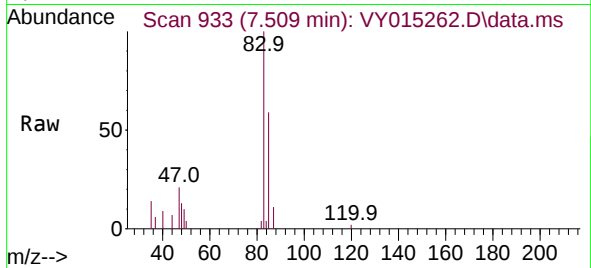




#30
Chloroform
Concen: 2.498 ug/l
RT: 7.509 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY015262.D
Acq: 22 Aug 2023 22:42

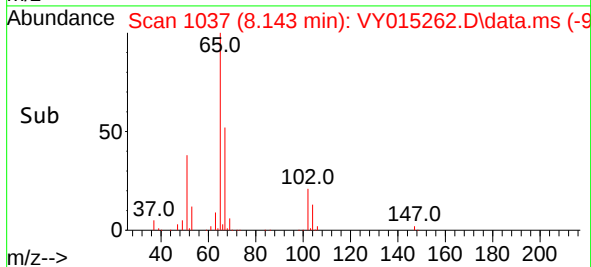
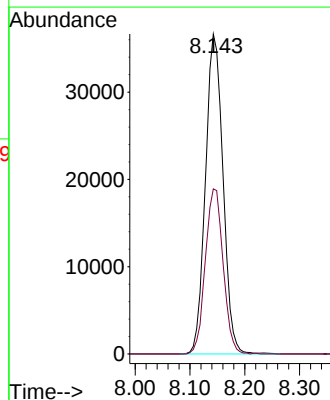
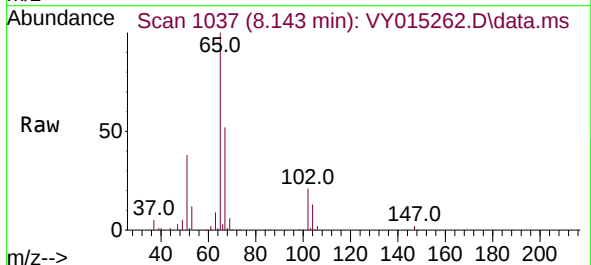
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBL02

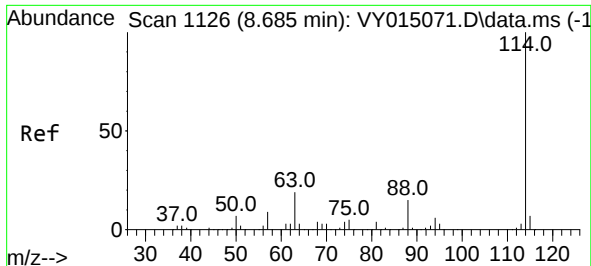
Tgt Ion: 83 Resp: 6005
Ion Ratio Lower Upper
83 100
85 59.1 49.7 74.5



#33
1,2-Dichloroethane-d4
Concen: 52.651 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015262.D
Acq: 22 Aug 2023 22:42

Tgt Ion: 65 Resp: 81332
Ion Ratio Lower Upper
65 100
67 52.3 0.0 101.8

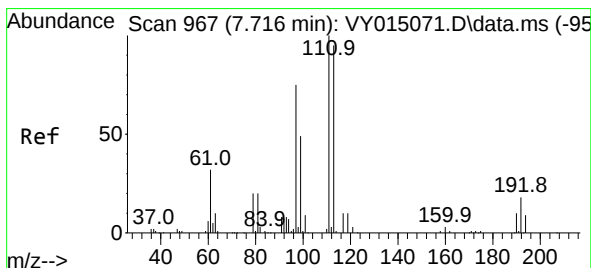
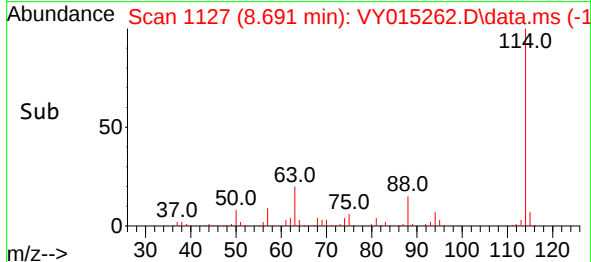
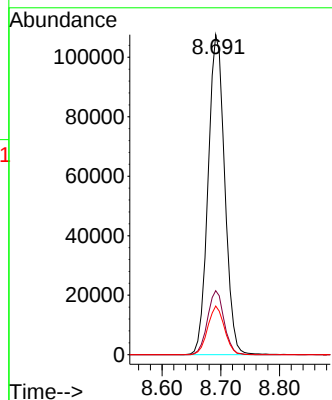
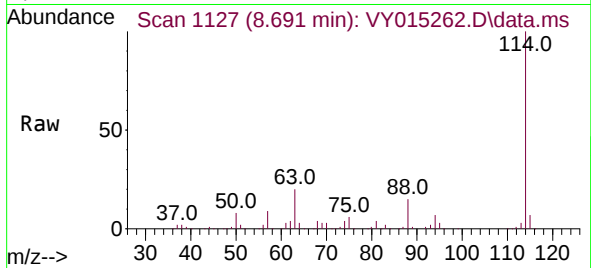




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY015262.D
Acq: 22 Aug 2023 22:42

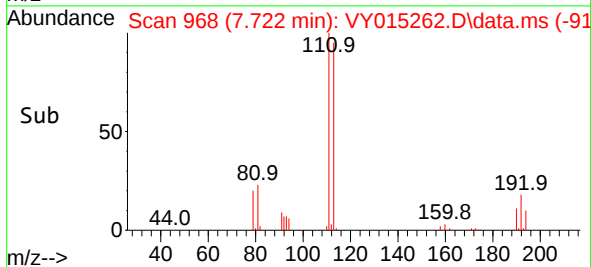
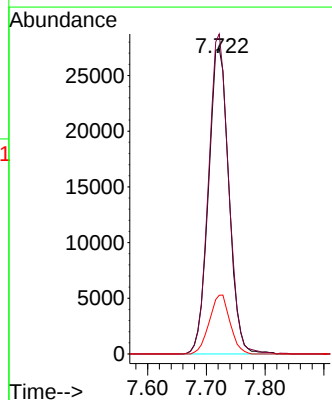
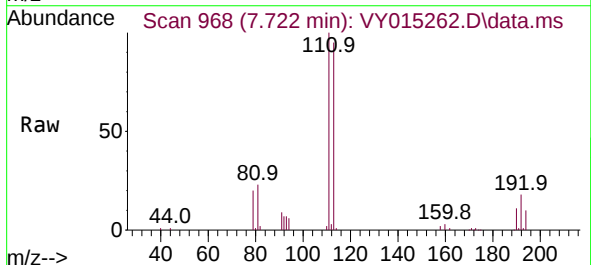
Instrument :
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VY0822SBL02

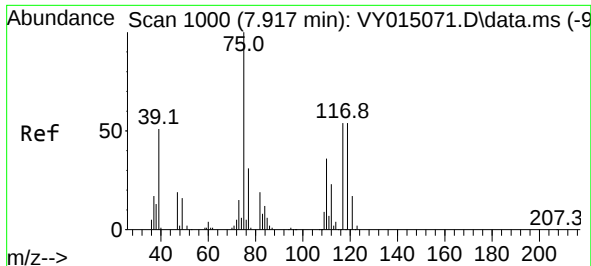
Tgt Ion:114 Resp: 211118
Ion Ratio Lower Upper
114 100
63 20.0 0.0 42.4
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.855 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY015262.D
Acq: 22 Aug 2023 22:42

Tgt Ion:113 Resp: 66355
Ion Ratio Lower Upper
113 100
111 102.4 81.3 121.9
192 19.5 16.9 25.3

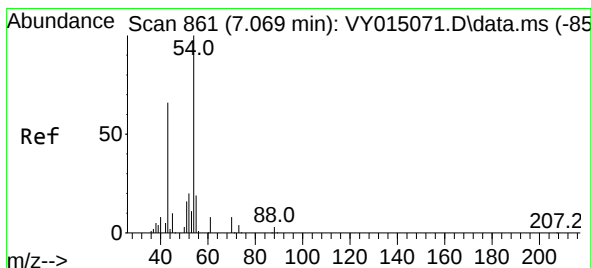
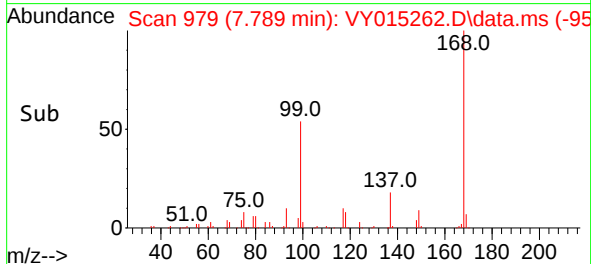
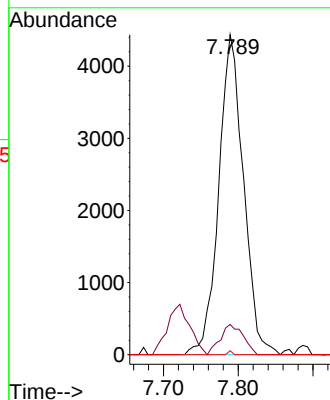
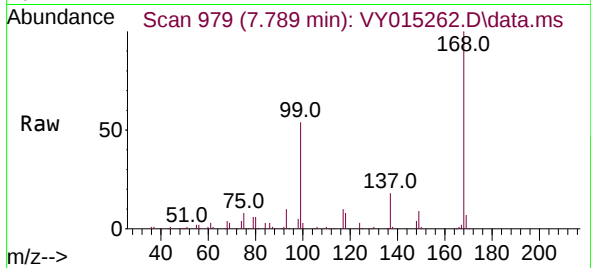




#36
1,1-Dichloropropene
Concen: 6.804 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY015262.D
Acq: 22 Aug 2023 22:42

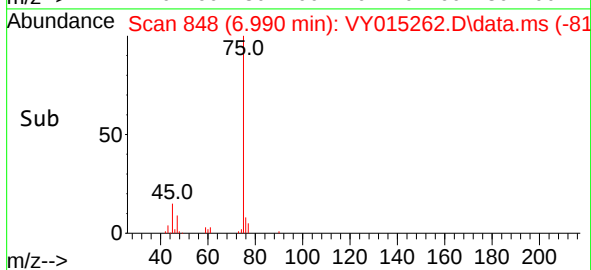
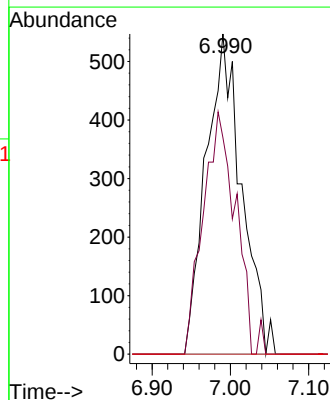
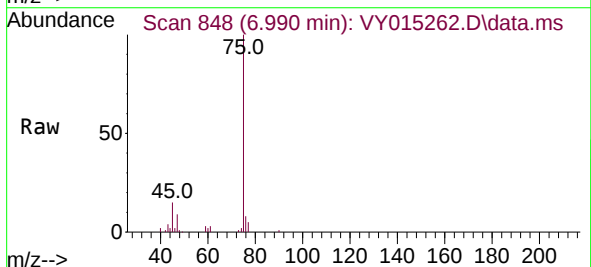
Instrument :
MSVOA_Y
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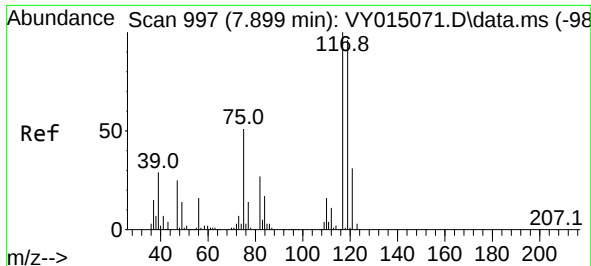
Tgt Ion: 75 Resp: 10224
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.5#
77 0.2 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.228 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.079 min
Lab File: VY015262.D
Acq: 22 Aug 2023 22:42

Tgt Ion: 43 Resp: 1720
Ion Ratio Lower Upper
43 100
61 68.5 10.1 15.1#
70 0.0 7.1 10.7#

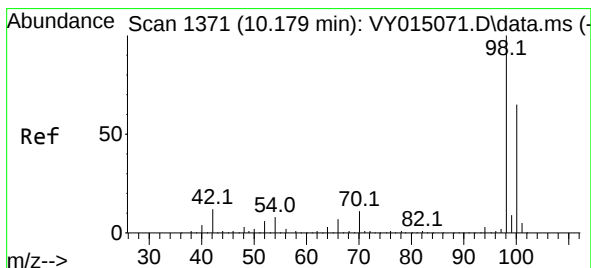
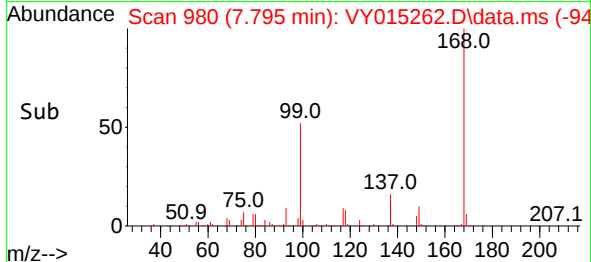
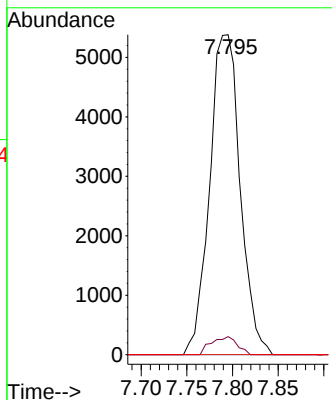
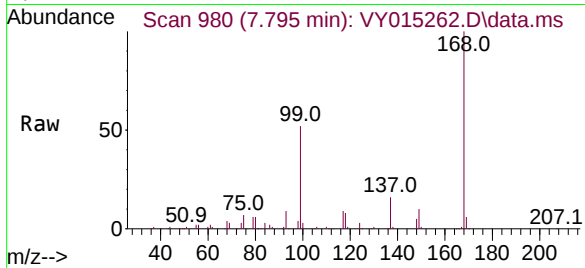




#38
Carbon Tetrachloride
Concen: 7.041 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY015262.D
Acq: 22 Aug 2023 22:42

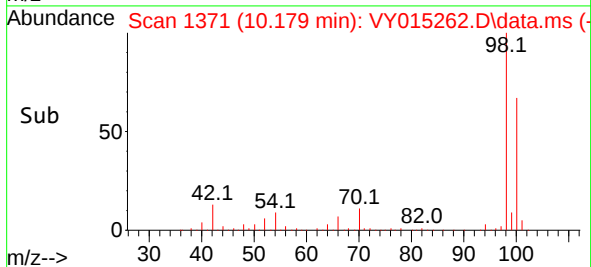
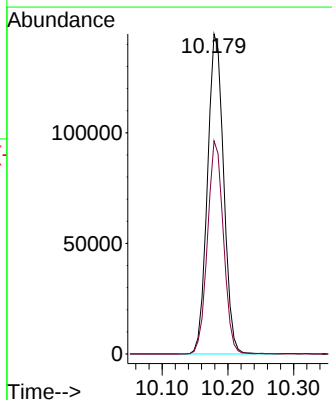
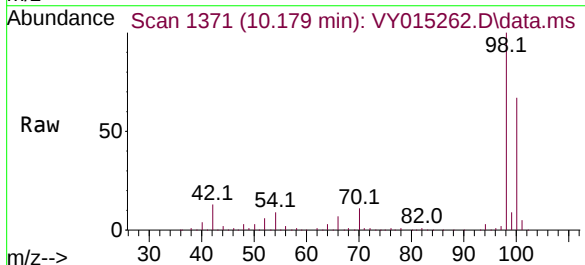
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBL02

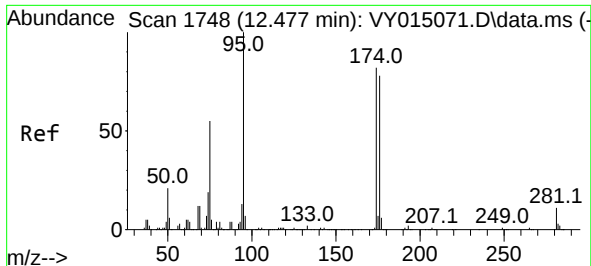
Tgt Ion:117 Resp: 12521
Ion Ratio Lower Upper
117 100
119 5.7 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.013 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015262.D
Acq: 22 Aug 2023 22:42

Tgt Ion: 98 Resp: 247807
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1

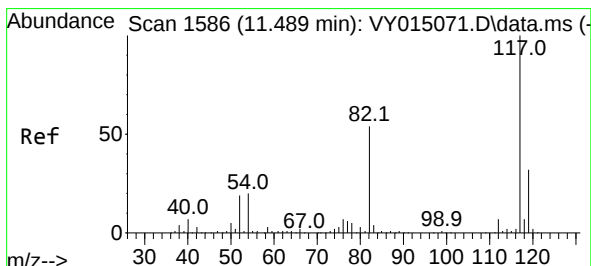
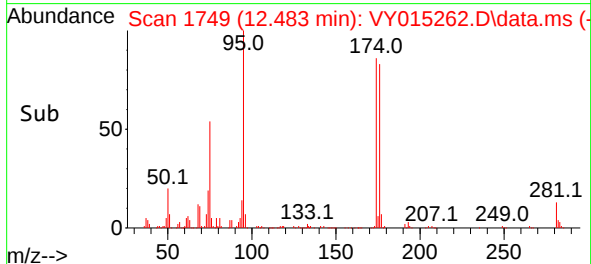
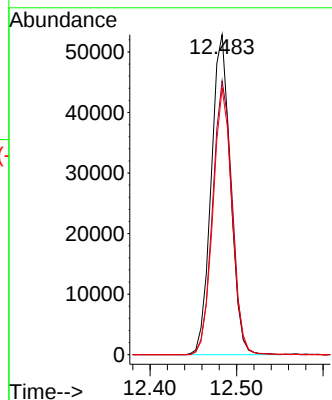
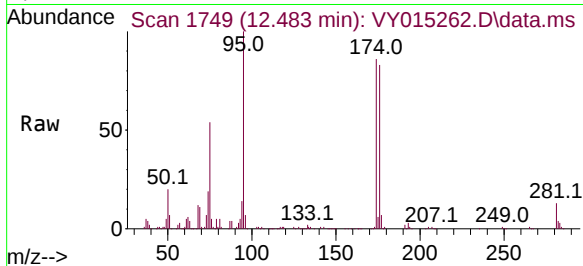




#62
4-Bromofluorobenzene
Concen: 44.237 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015262.D
Acq: 22 Aug 2023 22:42

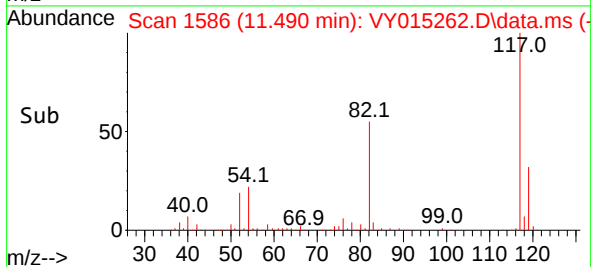
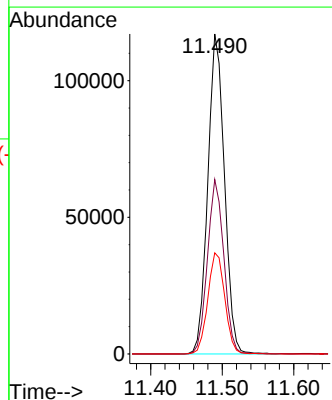
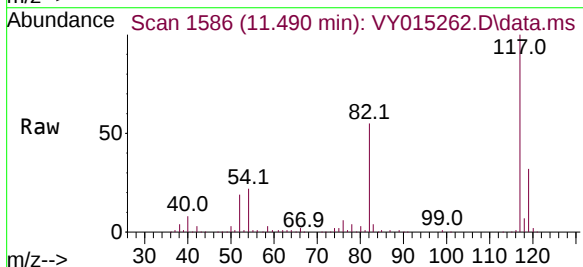
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBL02

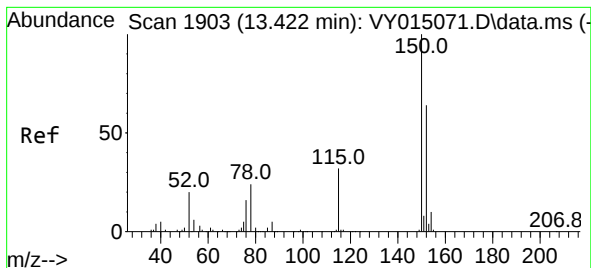
Tgt Ion: 95 Resp: 81691
Ion Ratio Lower Upper
95 100
174 86.6 0.0 178.2
176 82.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015262.D
Acq: 22 Aug 2023 22:42

Tgt Ion: 117 Resp: 189363
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.0
119 31.6 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY015262.D

Acq: 22 Aug 2023 22:42

Instrument :

MSVOA_Y

ClientSampleId :

VY0822SBL02

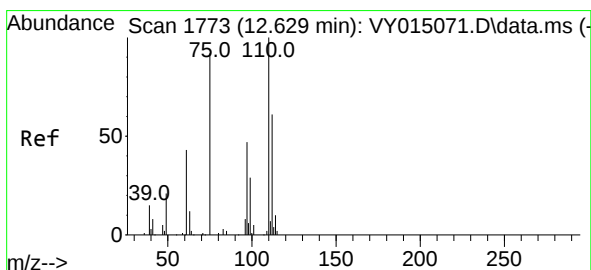
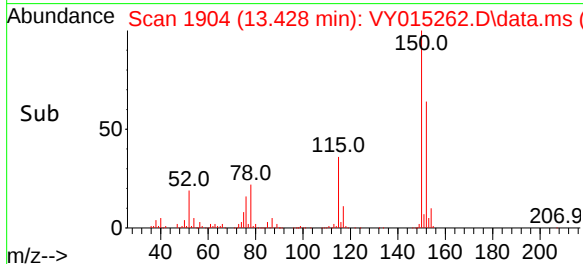
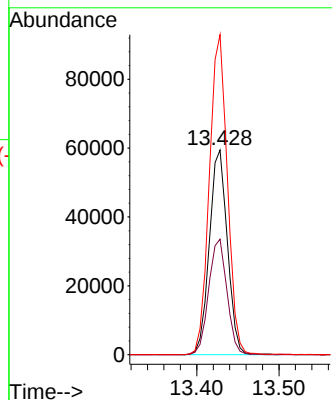
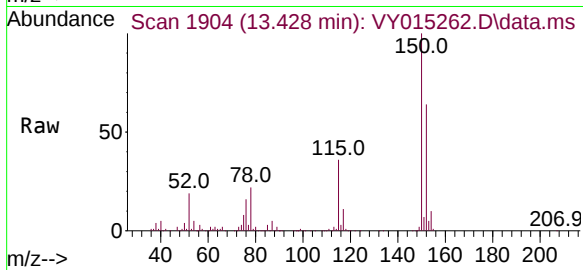
Tgt Ion:152 Resp: 90469

Ion Ratio Lower Upper

152 100

115 57.2 28.8 86.5

150 156.3 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.166 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015262.D

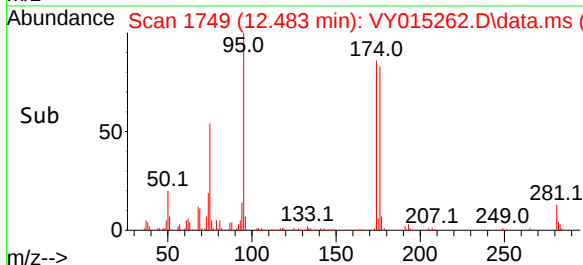
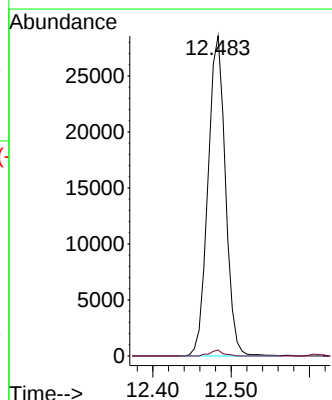
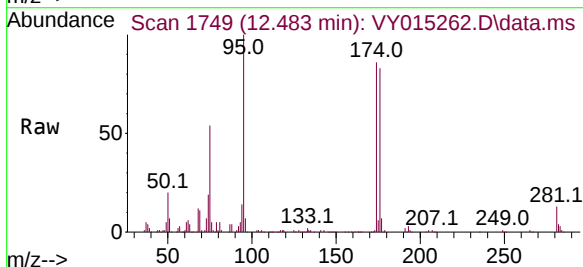
Acq: 22 Aug 2023 22:42

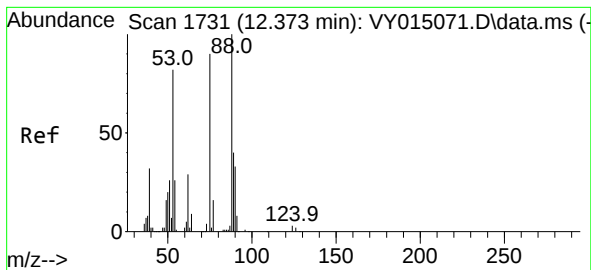
Tgt Ion: 75 Resp: 44148

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.224 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY015262.D
 Acq: 22 Aug 2023 22:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0822SBL02

Tgt Ion: 75 Resp: 44148
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.2 37.4 56.0#

