

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011123\
 Data File : VY012155.D
 Acq On : 11 Jan 2023 12:04
 Operator : KP/MD
 Sample : 01090-01RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-3-010923RE

Quant Time: Jan 12 05:48:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

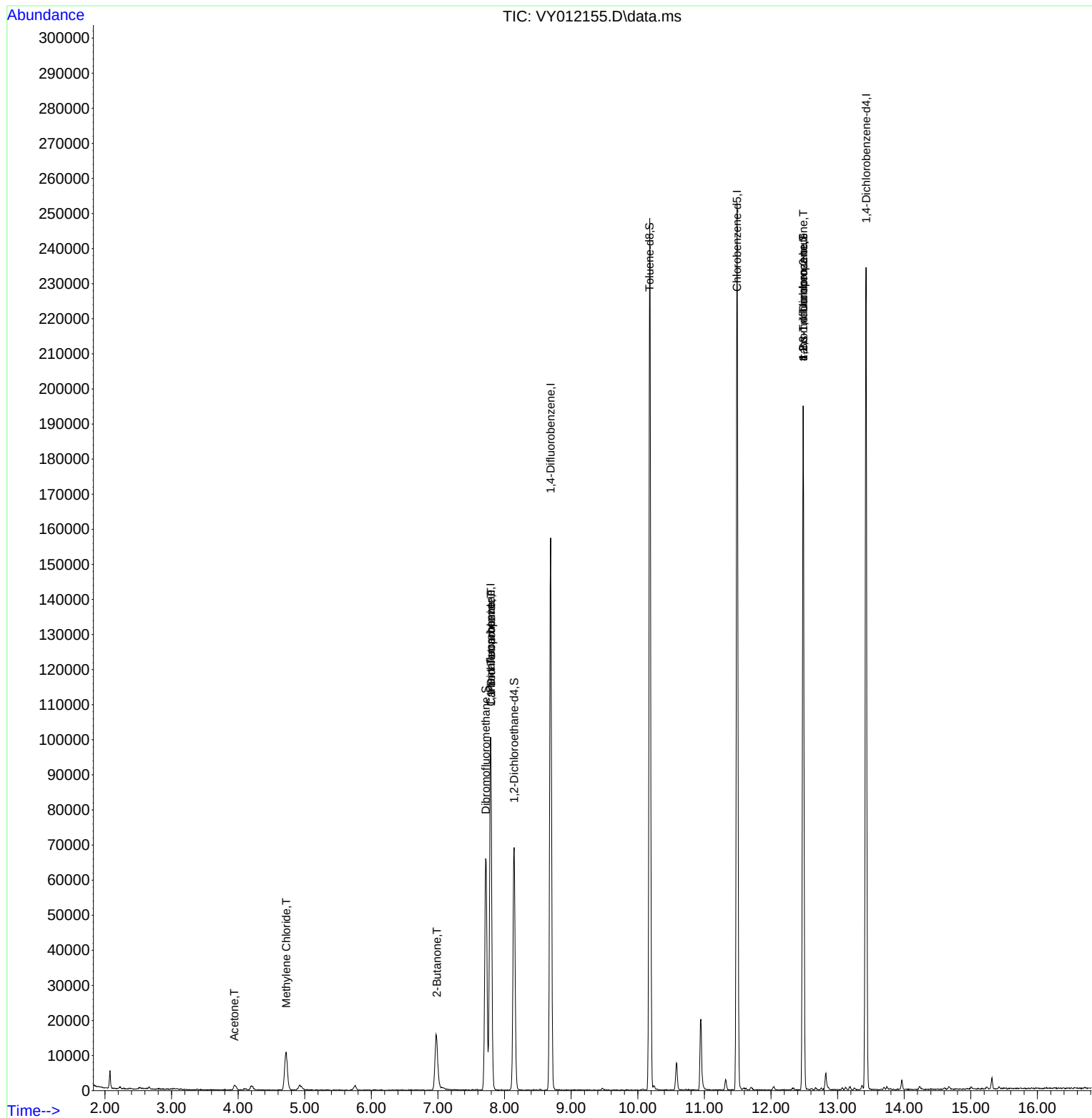
Internal Standards						
1) Pentafluorobenzene	7.789	168	80546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	139123	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	140995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	65305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	56969	62.945	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.880%			
35) Dibromofluoromethane	7.716	113	45802	50.088	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.180%			
50) Toluene-d8	10.179	98	167566	46.426	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 92.860%			
62) 4-Bromofluorobenzene	12.483	95	55266	43.806	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 87.620%			
Target Compounds						
2) Dichlorodifluoromethane	1.900	85	20	Below Cal	#	41
3) Chloromethane	2.119	50	172	Below Cal	#	41
5) Bromomethane	2.662	94	264	Below Cal	#	77
11) Tert butyl alcohol	4.918	59	864	Below Cal	#	74
16) Acetone	3.942	43	2655	12.470	ug/l	90
20) Methylene Chloride	4.723	84	8931	4.543	ug/l	88
25) 2-Butanone	6.984	43	1303	4.639	ug/l #	79
31) Cyclohexane	7.795	56	1538	Below Cal	#	44
36) 1,1-Dichloropropene	7.795	75	5861	4.225	ug/l #	48
38) Carbon Tetrachloride	7.795	117	7970	4.526	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	29056	38.967	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	29056	86.540	ug/l #	13

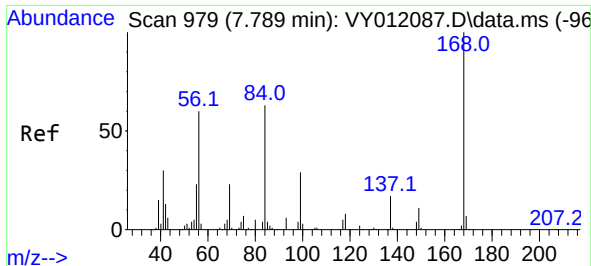
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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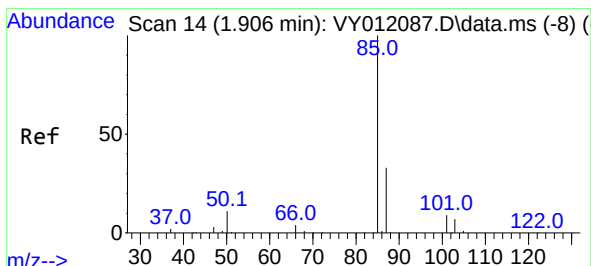
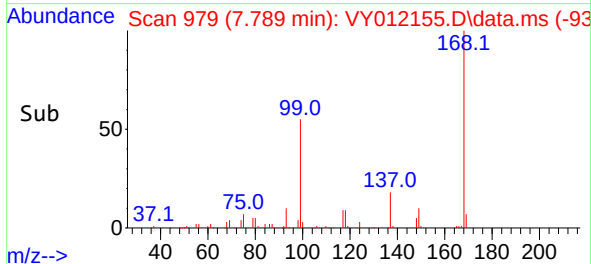
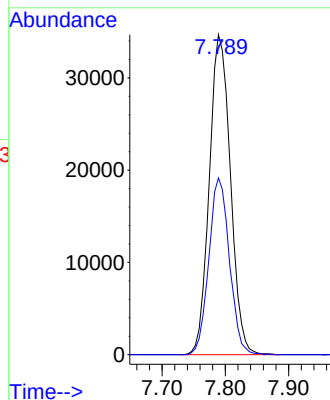
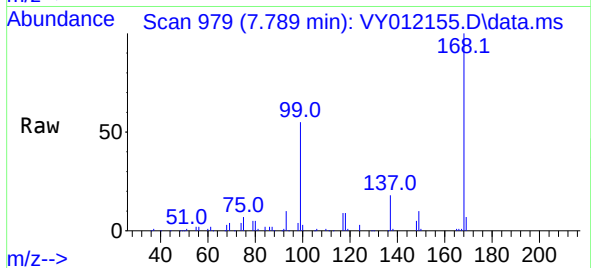




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012155.D
Acq: 11 Jan 2023 12:04

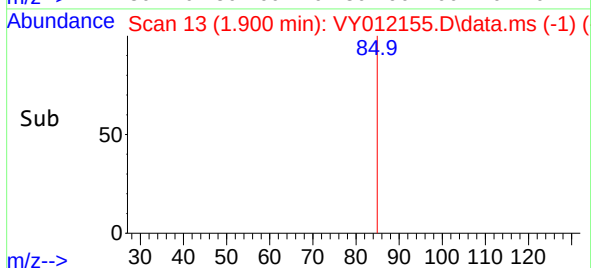
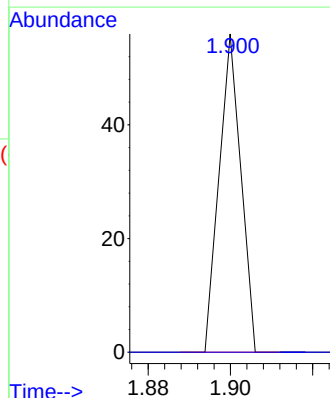
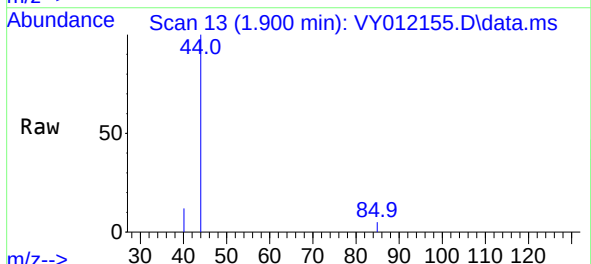
Instrument :
MSVOA_Y
ClientSampleId :
SU-3-010923RE

Tgt Ion:168 Resp: 80546
Ion Ratio Lower Upper
168 100
99 55.3 44.0 66.0

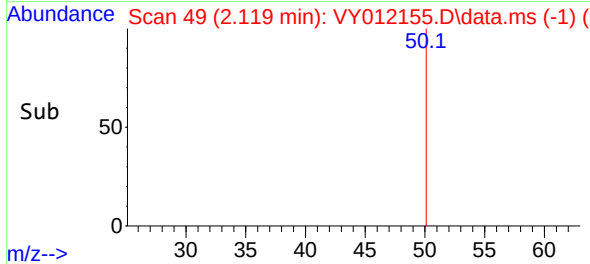
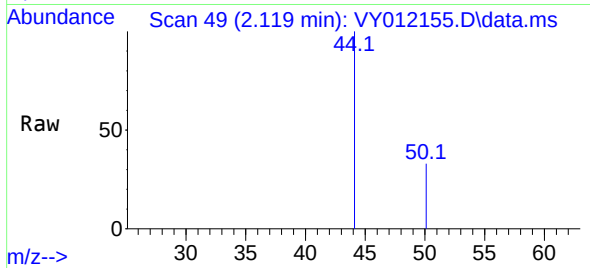
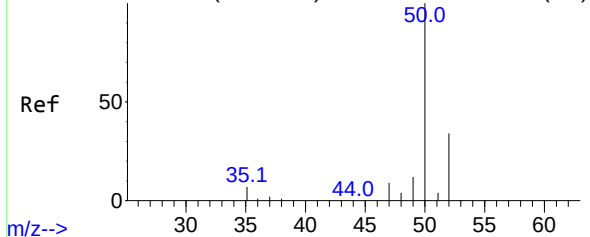


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012155.D
Acq: 11 Jan 2023 12:04

Tgt Ion: 85 Resp: 20
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



Abundance Scan 48 (2.113 min): VY012087.D\data.ms (-38)



#3

Chloromethane

Concen: Below Cal

RT: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY012155.D

Acq: 11 Jan 2023 12:04

Instrument :

MSVOA_Y

ClientSampleId :

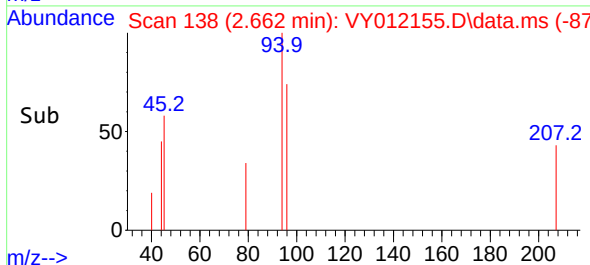
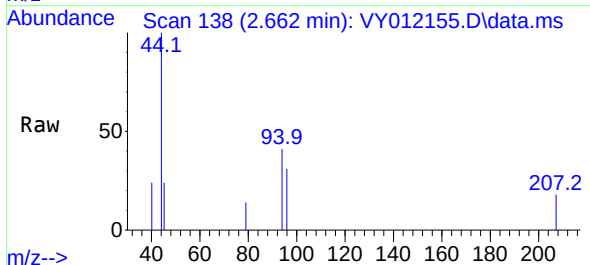
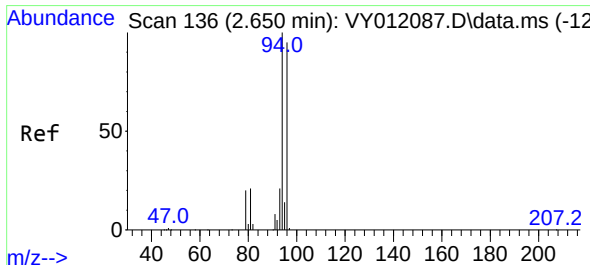
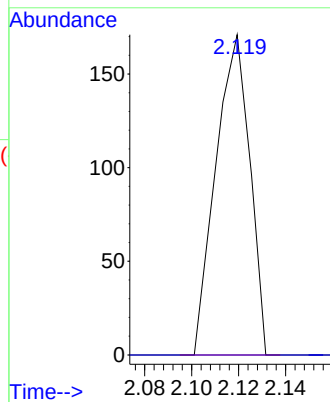
SU-3-010923RE

Tgt Ion: 50 Resp: 172

Ion Ratio Lower Upper

50 100

52 0.0 26.8 40.2#



#5

Bromomethane

Concen: Below Cal

RT: 2.662 min Scan# 138

Delta R.T. 0.012 min

Lab File: VY012155.D

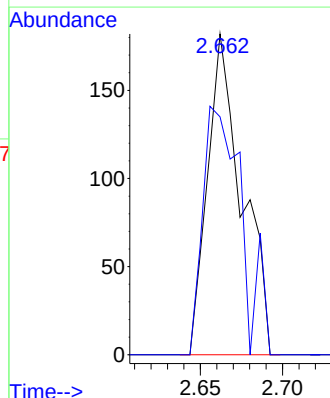
Acq: 11 Jan 2023 12:04

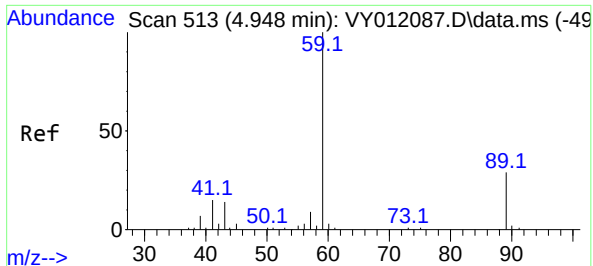
Tgt Ion: 94 Resp: 264

Ion Ratio Lower Upper

94 100

96 74.2 77.4 116.2#

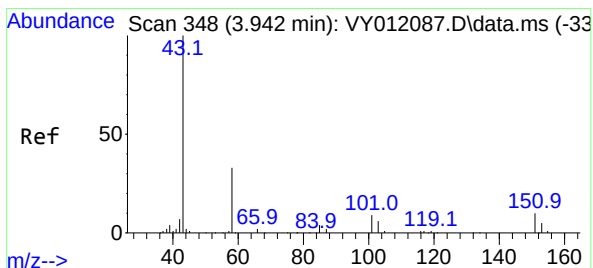
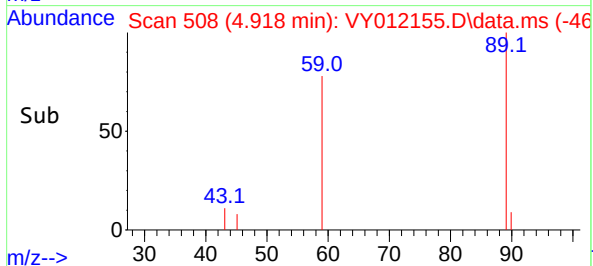
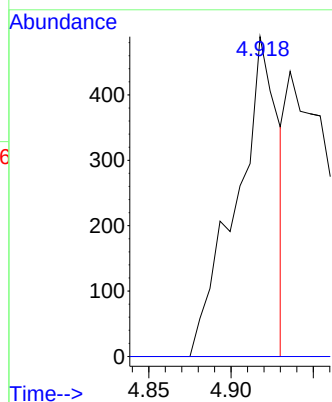
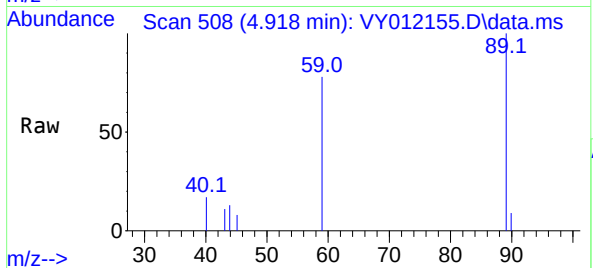




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.030 min
Lab File: VY012155.D
Acq: 11 Jan 2023 12:04

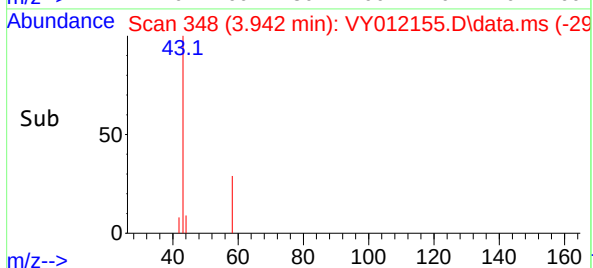
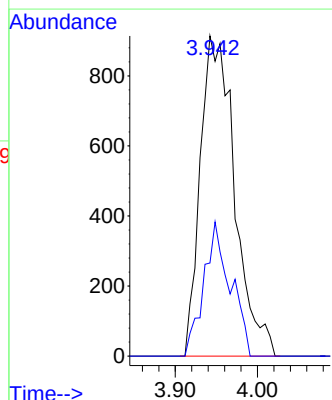
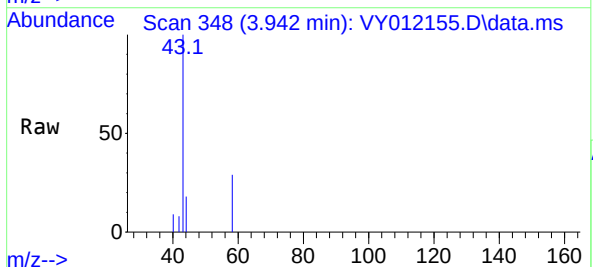
Instrument :
MSVOA_Y
ClientSampleId :
SU-3-010923RE

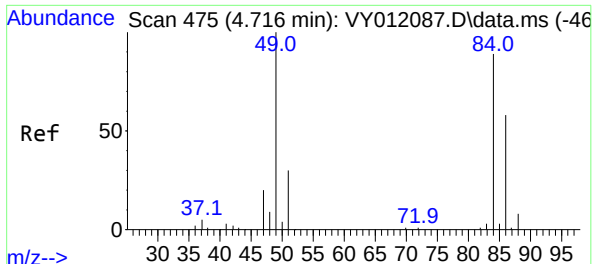
Tgt Ion: 59 Resp: 864
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 12.470 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY012155.D
Acq: 11 Jan 2023 12:04

Tgt Ion: 43 Resp: 2655
Ion Ratio Lower Upper
43 100
58 29.1 27.9 41.9



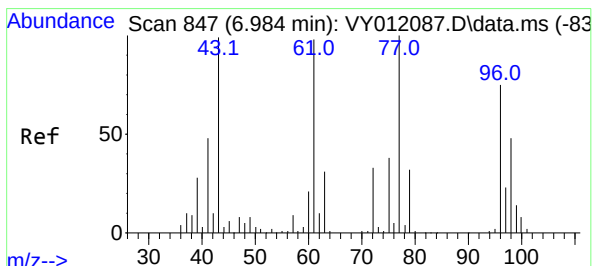
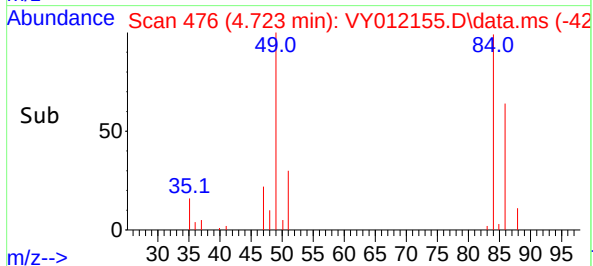
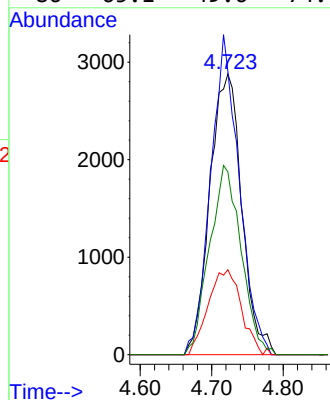
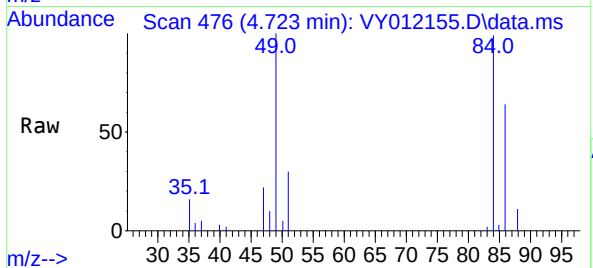


#20
Methylene Chloride
Concen: 4.543 ug/l
RT: 4.723 min Scan# 41
Delta R.T. 0.007 min
Lab File: VY012155.D
Acq: 11 Jan 2023 12:04

Instrument :
MSVOA_Y
ClientSampleId :
SU-3-010923RE

Tgt Ion: 84 Resp: 8931

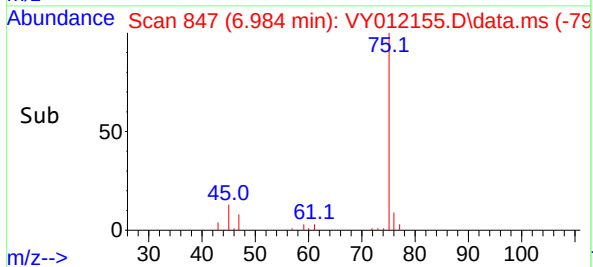
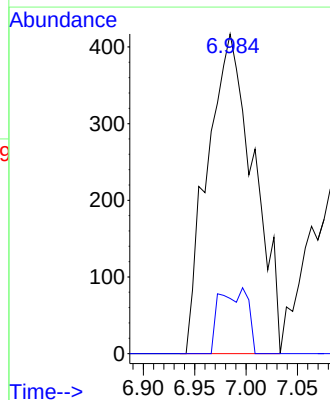
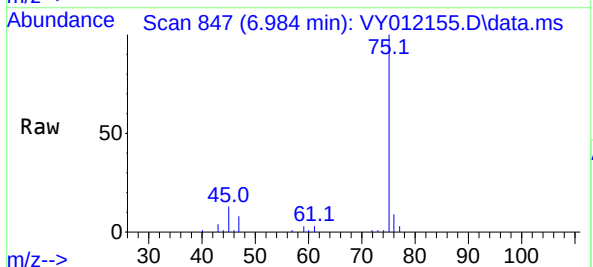
Ion	Ratio	Lower	Upper
84	100		
49	101.0	95.4	143.2
51	30.3	29.9	44.9
86	65.1	49.6	74.4

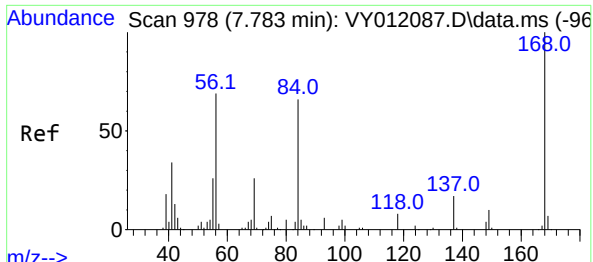


#25
2-Butanone
Concen: 4.639 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY012155.D
Acq: 11 Jan 2023 12:04

Tgt Ion: 43 Resp: 1303

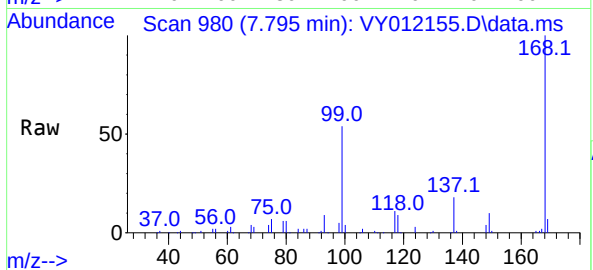
Ion	Ratio	Lower	Upper
43	100		
72	17.3	22.6	34.0#



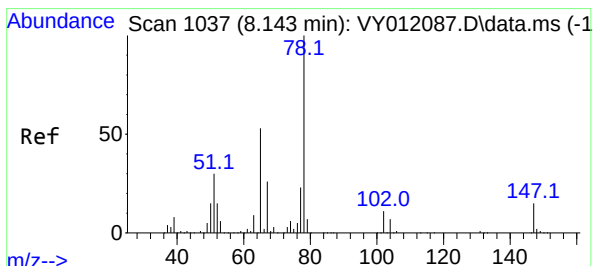
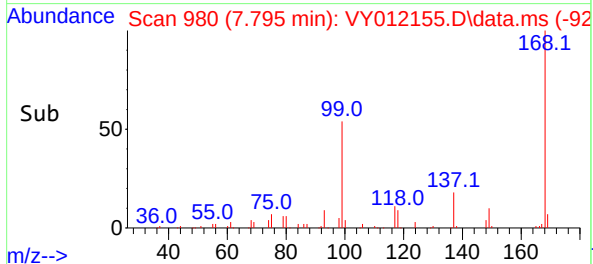
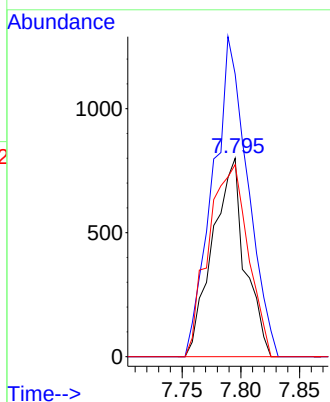


#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY012155.D
Acq: 11 Jan 2023 12:04

Instrument :
MSVOA_Y
ClientSampleId :
SU-3-010923RE

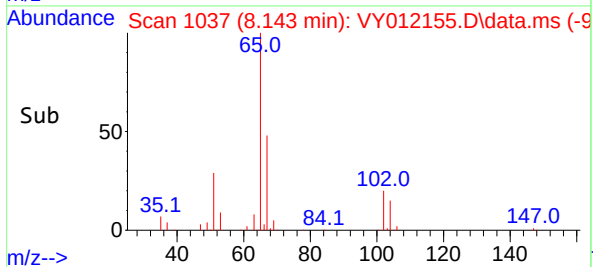
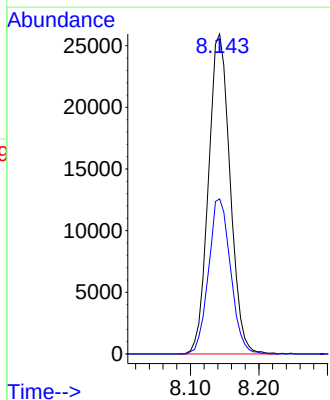
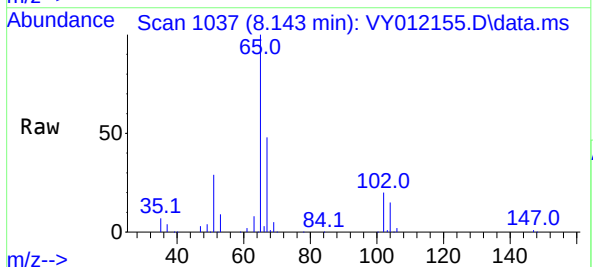


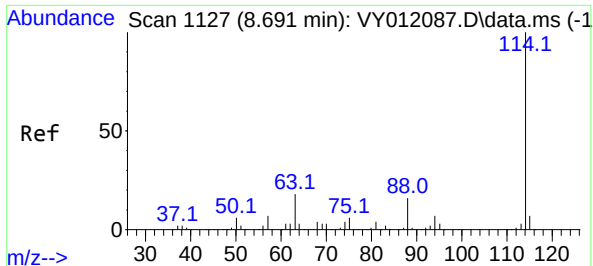
Tgt Ion: 56 Resp: 1538
Ion Ratio Lower Upper
56 100
69 142.4 29.2 43.8#
84 96.8 72.6 108.8



#33
1,2-Dichloroethane-d4
Concen: 62.945 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012155.D
Acq: 11 Jan 2023 12:04

Tgt Ion: 65 Resp: 56969
Ion Ratio Lower Upper
65 100
67 49.3 0.0 103.2

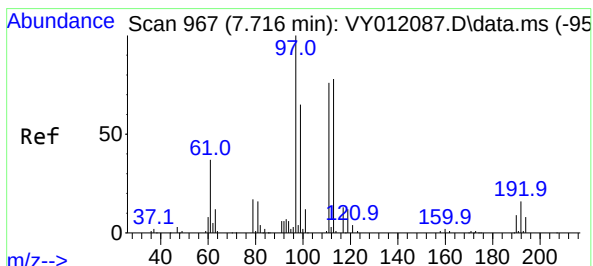
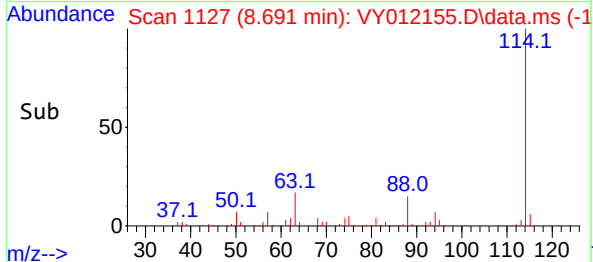
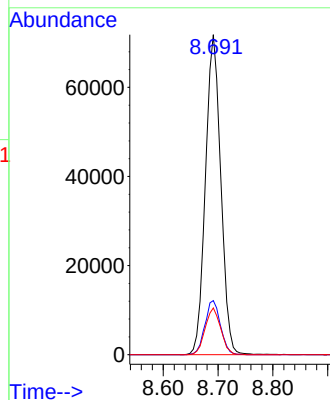
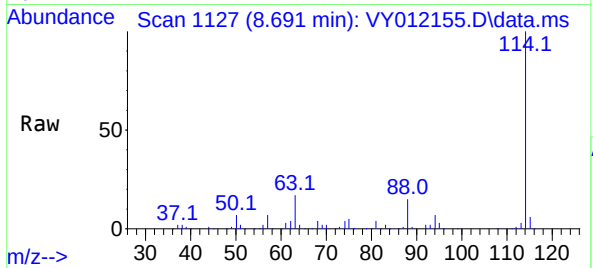




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012155.D
Acq: 11 Jan 2023 12:04

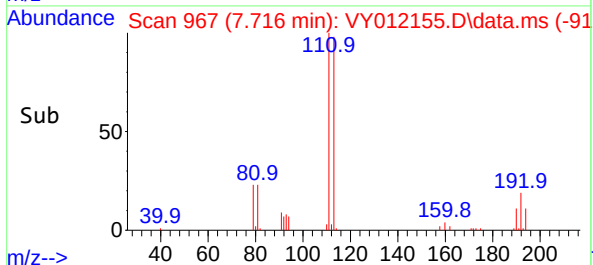
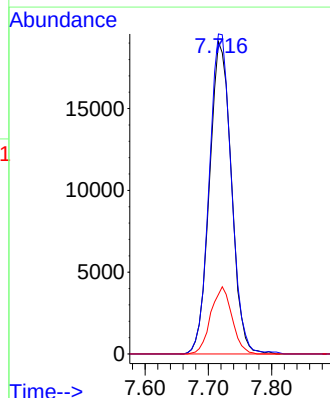
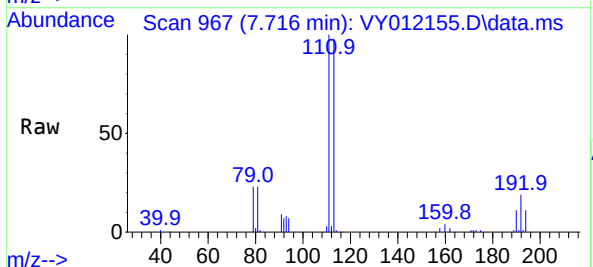
Instrument :
MSVOA_Y
ClientSampleId :
SU-3-010923RE

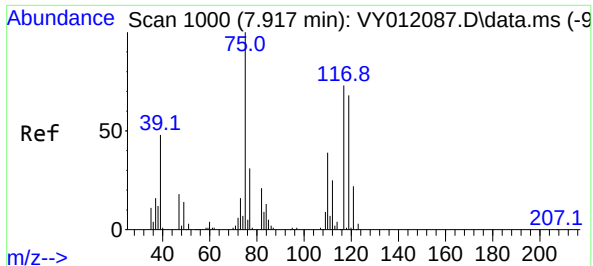
Tgt Ion:114 Resp: 139123
Ion Ratio Lower Upper
114 100
63 16.9 0.0 39.6
88 14.6 0.0 32.2



#35
Dibromofluoromethane
Concen: 50.088 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012155.D
Acq: 11 Jan 2023 12:04

Tgt Ion:113 Resp: 45802
Ion Ratio Lower Upper
113 100
111 103.1 83.0 124.4
192 20.9 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.225 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.122 min

Lab File: VY012155.D

Acq: 11 Jan 2023 12:04

Instrument :

MSVOA_Y

ClientSampleId :

SU-3-010923RE

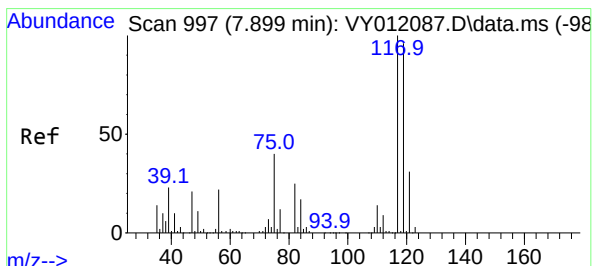
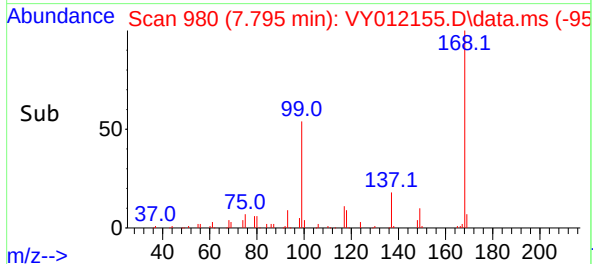
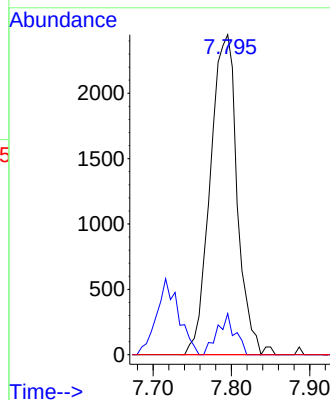
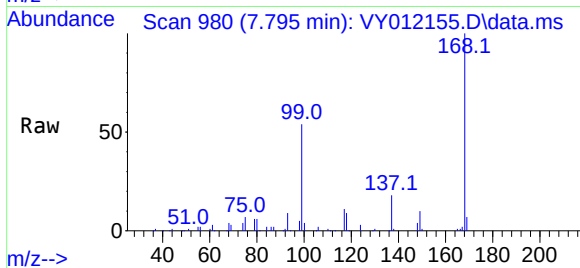
Tgt Ion: 75 Resp: 5861

Ion Ratio Lower Upper

75 100

110 8.4 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.526 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY012155.D

Acq: 11 Jan 2023 12:04

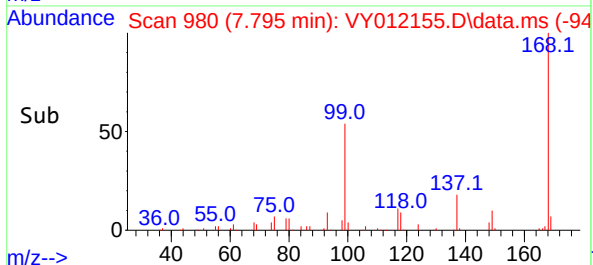
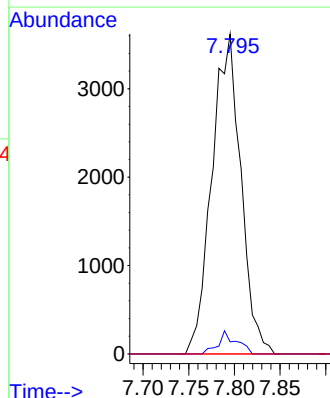
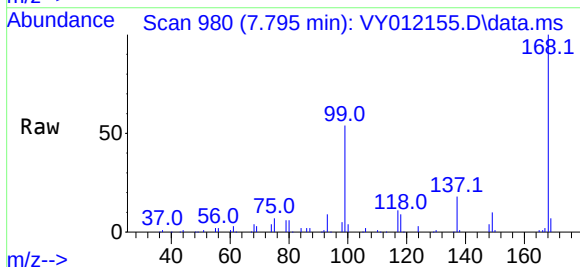
Tgt Ion: 117 Resp: 7970

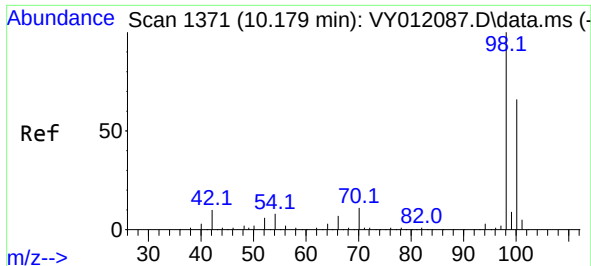
Ion Ratio Lower Upper

117 100

119 3.8 73.8 110.8#

121 0.0 25.2 37.8#

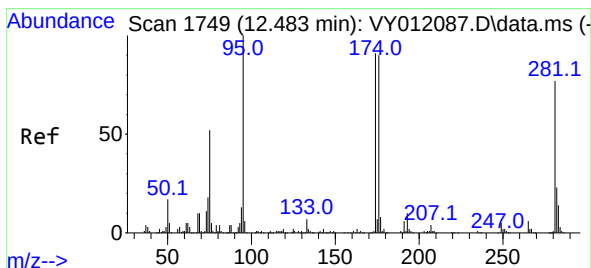
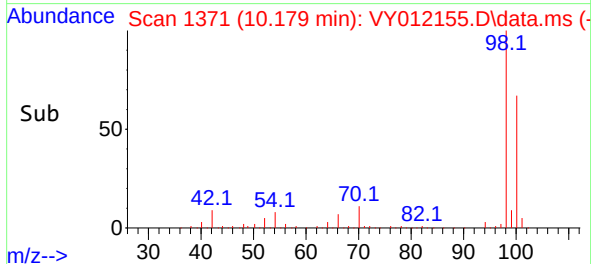
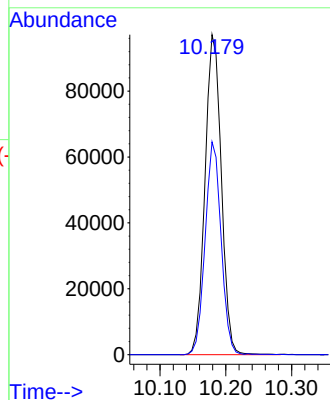
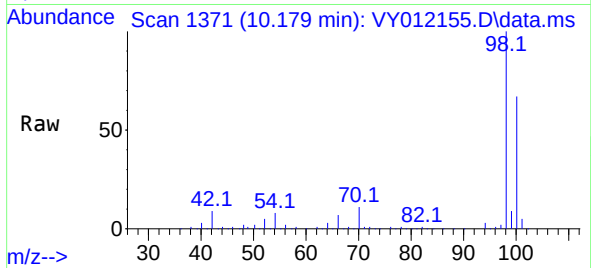




#50
Toluene-d8
Concen: 46.426 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012155.D
Acq: 11 Jan 2023 12:04

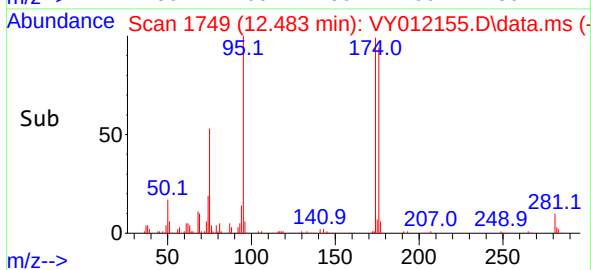
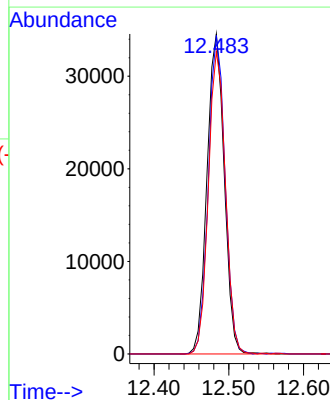
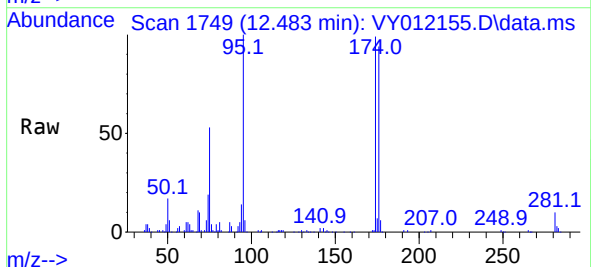
Instrument :
MSVOA_Y
ClientSampleId :
SU-3-010923RE

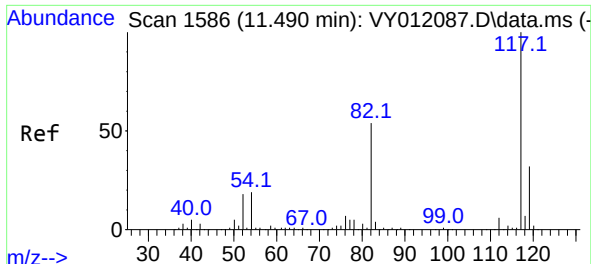
Tgt Ion: 98 Resp: 167566
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 43.806 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012155.D
Acq: 11 Jan 2023 12:04

Tgt Ion: 95 Resp: 55266
Ion Ratio Lower Upper
95 100
174 96.9 0.0 172.0
176 93.4 0.0 167.6

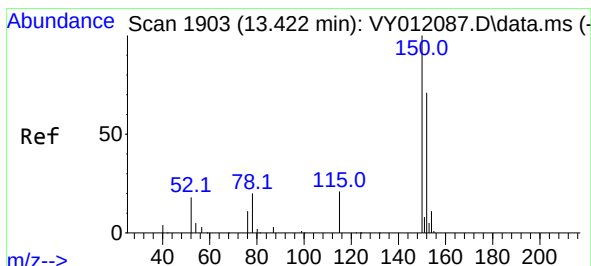
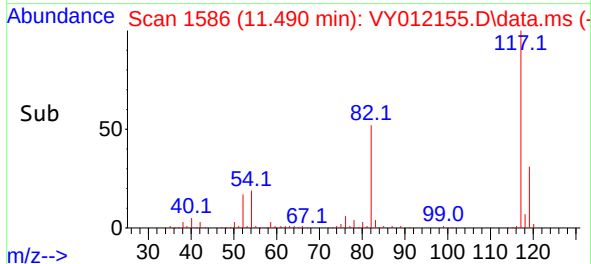
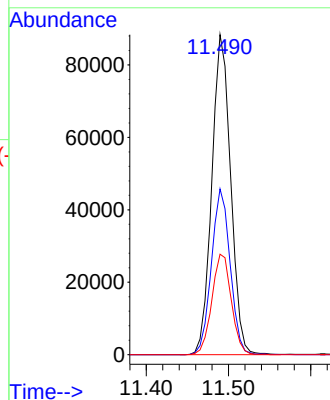
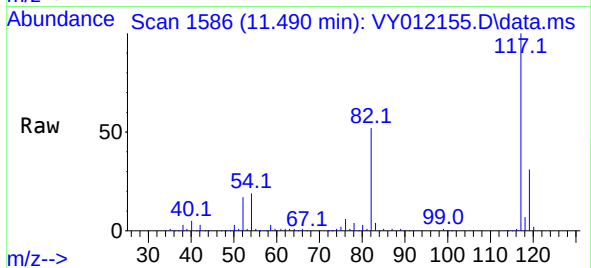




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012155.D
Acq: 11 Jan 2023 12:04

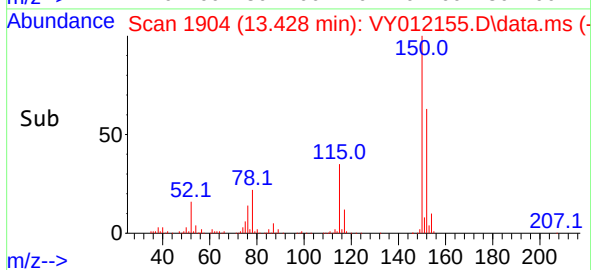
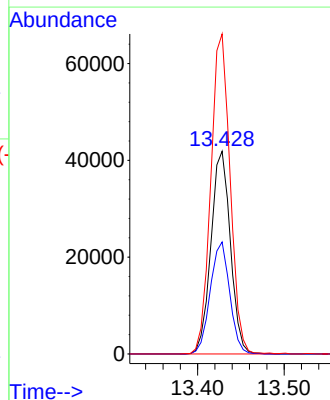
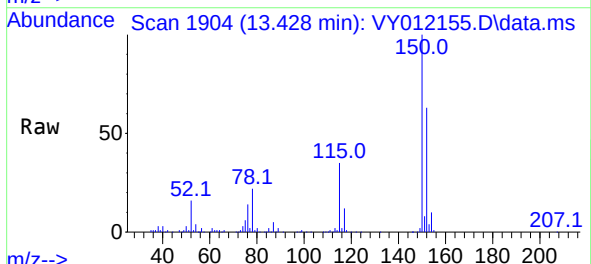
Instrument :
MSVOA_Y
ClientSampleId :
SU-3-010923RE

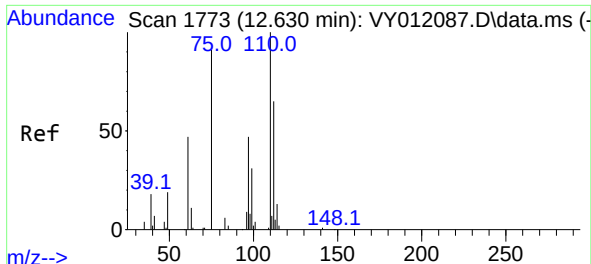
Tgt Ion:117 Resp: 140995
Ion Ratio Lower Upper
117 100
82 51.8 44.8 67.2
119 31.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012155.D
Acq: 11 Jan 2023 12:04

Tgt Ion:152 Resp: 65305
Ion Ratio Lower Upper
152 100
115 55.3 29.1 87.3
150 156.8 0.0 342.6

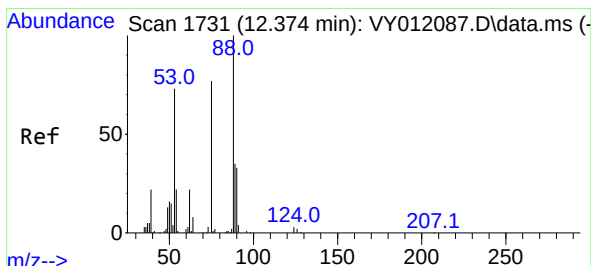
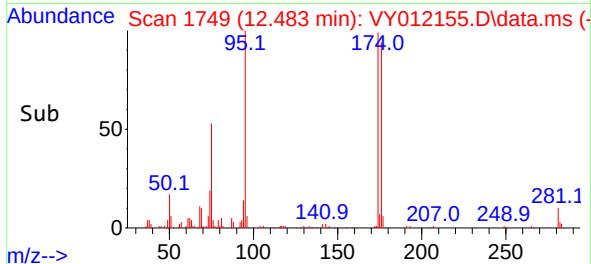
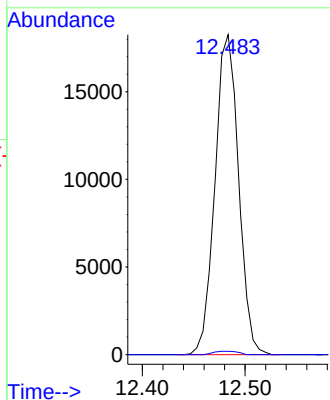
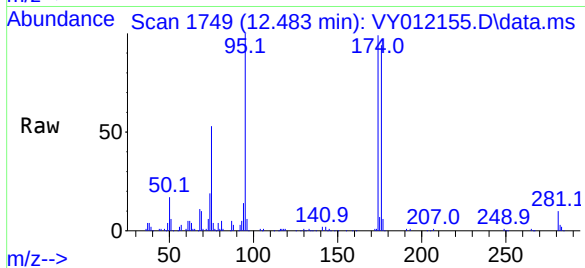




#76
1,2,3-Trichloropropane
Concen: 38.967 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012155.D
Acq: 11 Jan 2023 12:04

Instrument :
MSVOA_Y
ClientSampleId :
SU-3-010923RE

Tgt Ion: 75 Resp: 29056
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.540 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012155.D
Acq: 11 Jan 2023 12:04

Tgt Ion: 75 Resp: 29056
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

