

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020723\
 Data File : VY012517.D
 Acq On : 07 Feb 2023 14:35
 Operator : KP/MD
 Sample : VY0207SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBL01

Quant Time: Feb 08 01:43:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

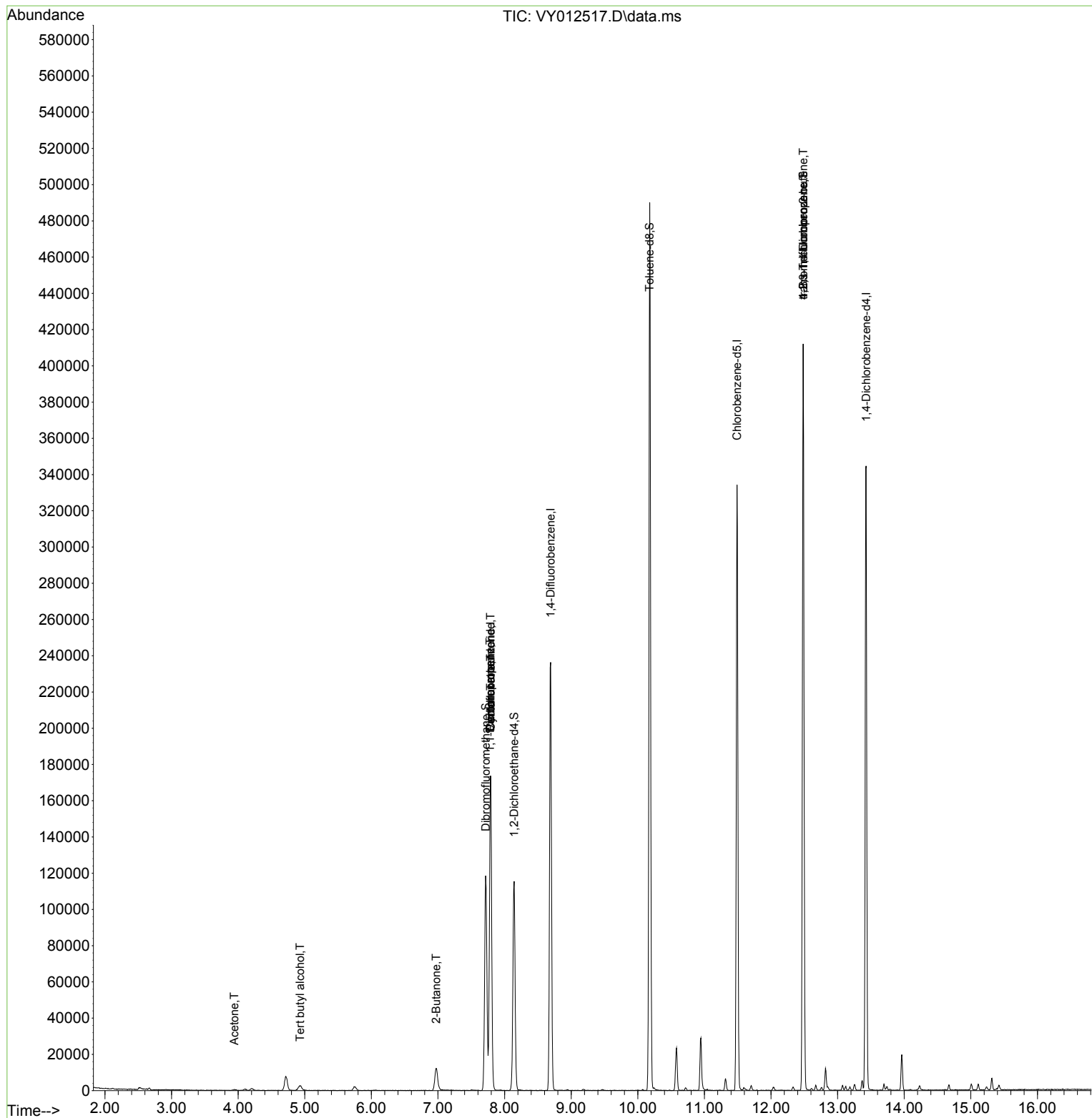
Internal Standards						
1) Pentafluorobenzene	7.789	168	141257	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	214766	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	192462	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	96310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	96333	53.630	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.260%			
35) Dibromofluoromethane	7.716	113	81399	52.044	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.080%			
50) Toluene-d8	10.179	98	329559	50.623	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.240%			
62) 4-Bromofluorobenzene	12.483	95	104720	46.117	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	120	Below Cal	#	41
5) Bromomethane	2.668	94	488	Below Cal	#	62
11) Tert butyl alcohol	4.930	59	2683	6.650	ug/l #	75
16) Acetone	3.942	43	797	1.843	ug/l	95
20) Methylene Chloride	4.710	84	6657	Below Cal		90
25) 2-Butanone	6.972	43	707	1.474	ug/l #	40
31) Cyclohexane	7.789	56	2590	1.247	ug/l #	49
36) 1,1-Dichloropropene	7.783	75	9501	4.488	ug/l #	50
38) Carbon Tetrachloride	7.789	117	13867	4.880	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	55907	51.958	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	55907	117.167	ug/l #	12

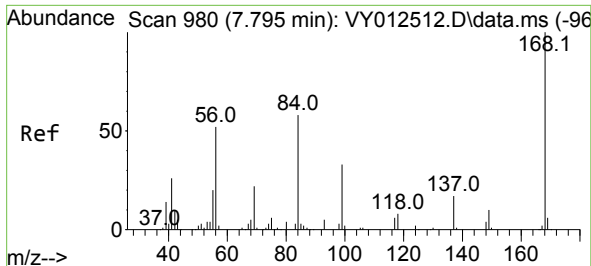
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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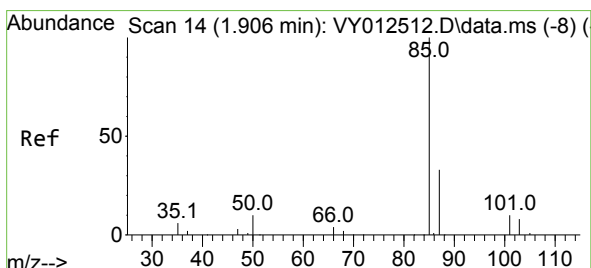
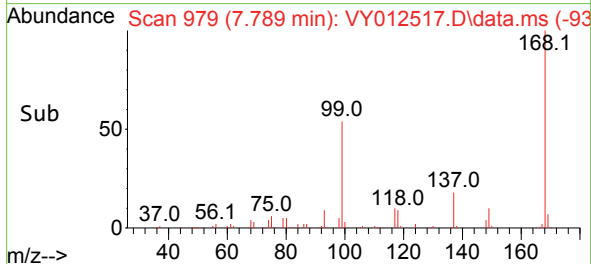
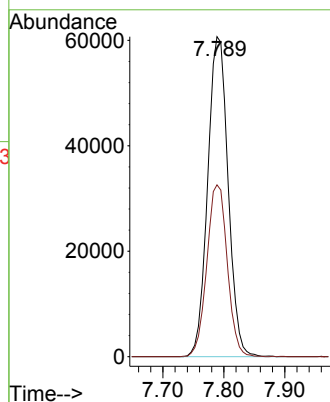
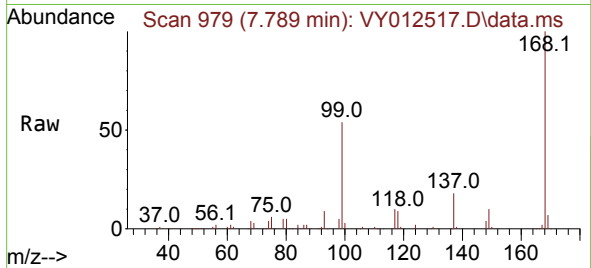




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012517.D
Acq: 07 Feb 2023 14:35

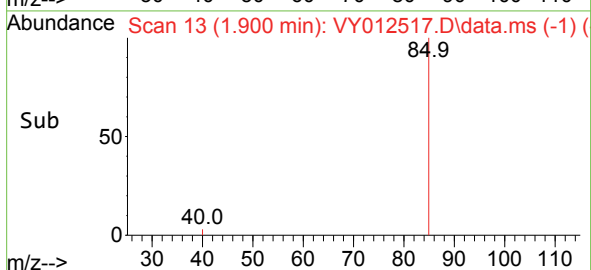
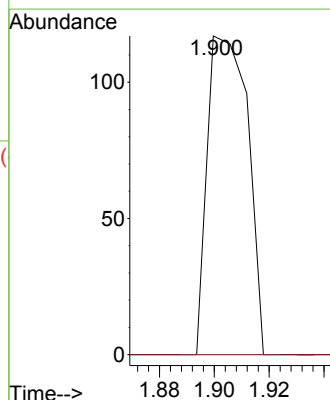
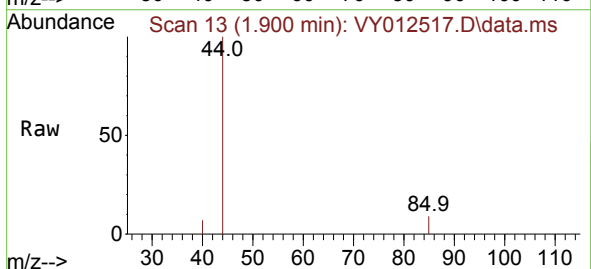
Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBL01

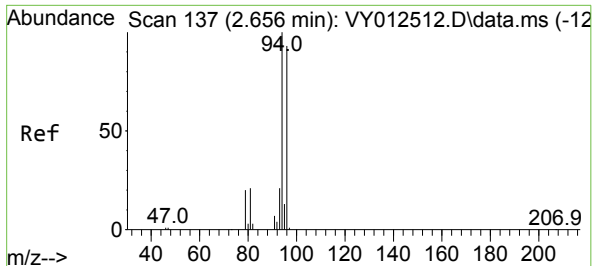
Tgt Ion:168 Resp: 141257
Ion Ratio Lower Upper
168 100
99 53.7 40.8 61.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012517.D
Acq: 07 Feb 2023 14:35

Tgt Ion: 85 Resp: 120
Ion Ratio Lower Upper
85 100
87 0.0 16.6 49.8#

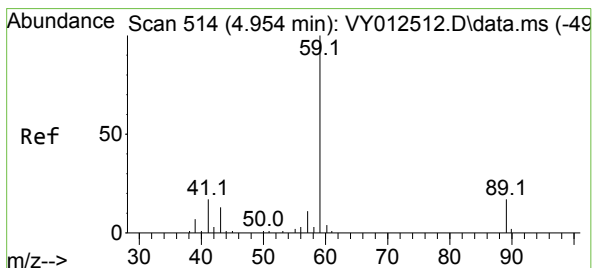
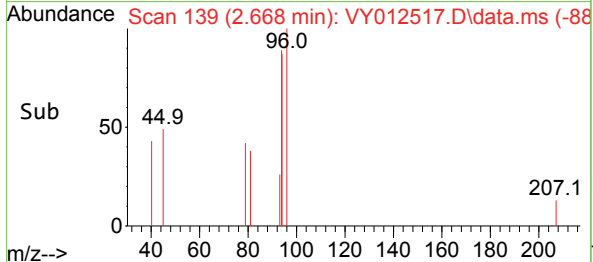
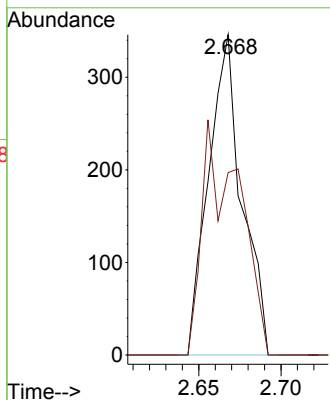
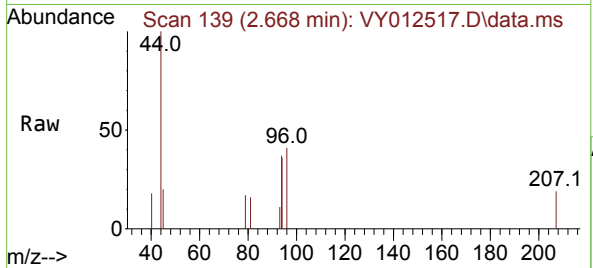




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY012517.D
Acq: 07 Feb 2023 14:35

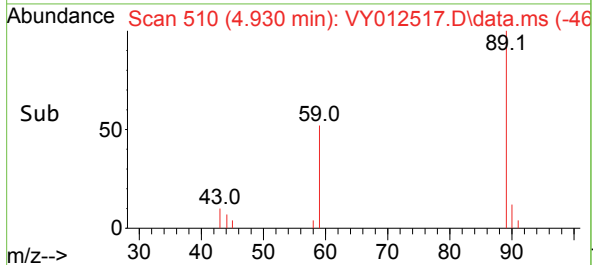
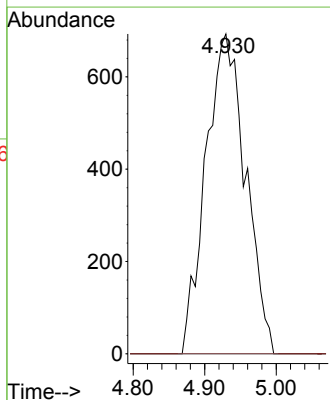
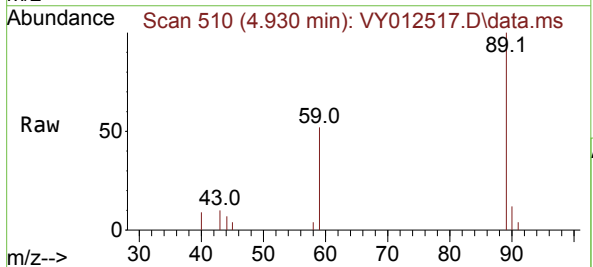
Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBL01

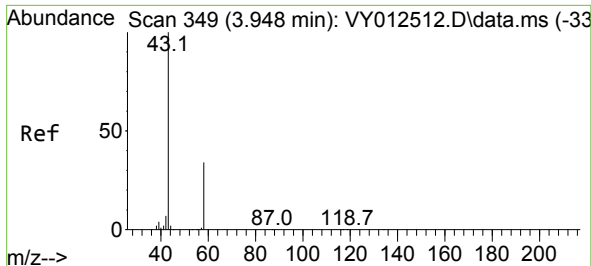
Tgt Ion: 94 Resp: 488
Ion Ratio Lower Upper
94 100
96 56.9 74.7 112.1#



#11
Tert butyl alcohol
Concen: 6.650 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY012517.D
Acq: 07 Feb 2023 14:35

Tgt Ion: 59 Resp: 2683
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

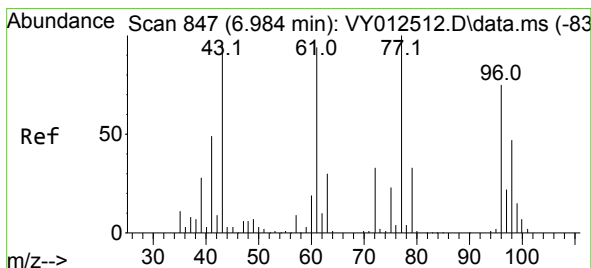
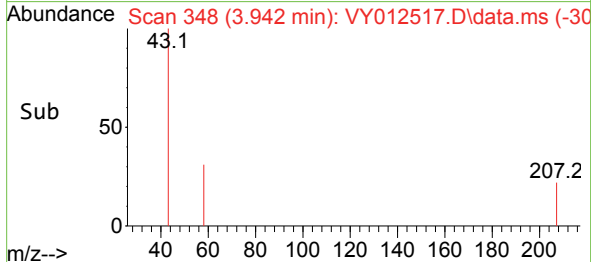
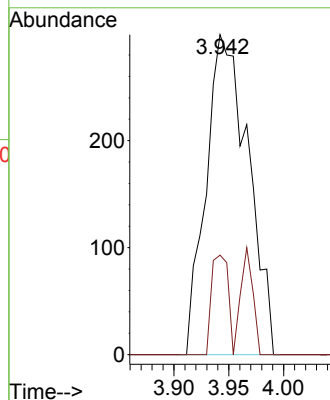
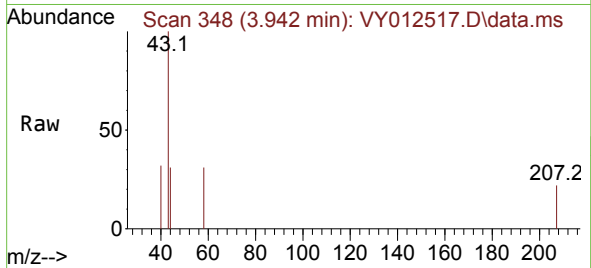




#16
Acetone
Concen: 1.843 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY012517.D
Acq: 07 Feb 2023 14:35

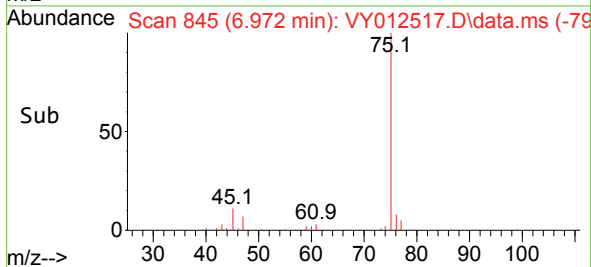
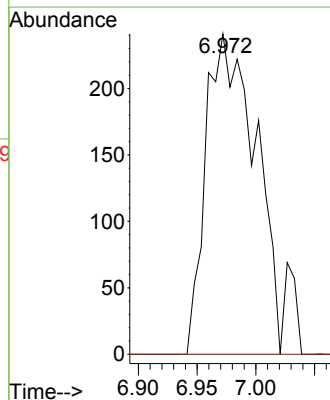
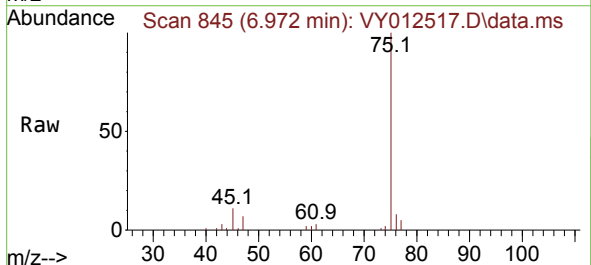
Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBL01

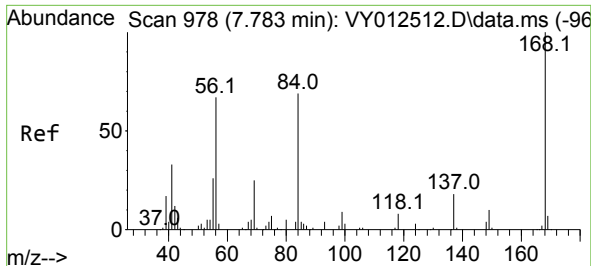
Tgt Ion: 43 Resp: 797
Ion Ratio Lower Upper
43 100
58 31.1 27.1 40.7



#25
2-Butanone
Concen: 1.474 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY012517.D
Acq: 07 Feb 2023 14:35

Tgt Ion: 43 Resp: 707
Ion Ratio Lower Upper
43 100
72 0.0 27.4 41.2#

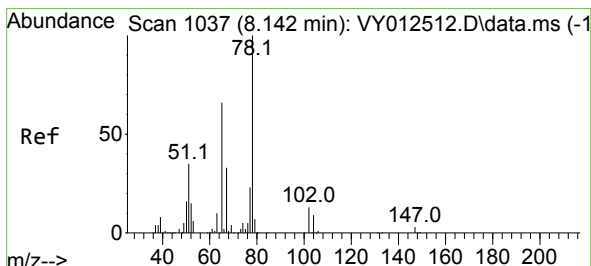
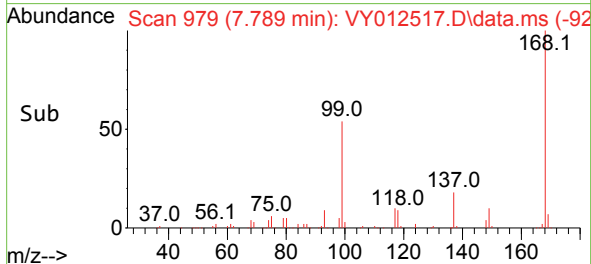
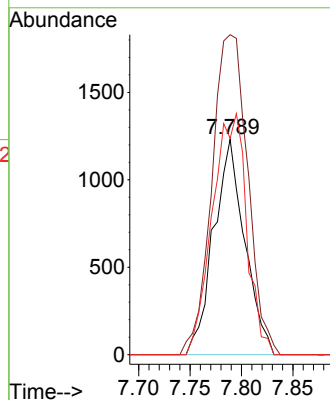
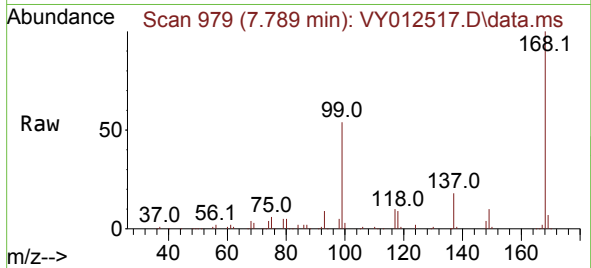




#31
Cyclohexane
Concen: 1.247 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012517.D
Acq: 07 Feb 2023 14:35

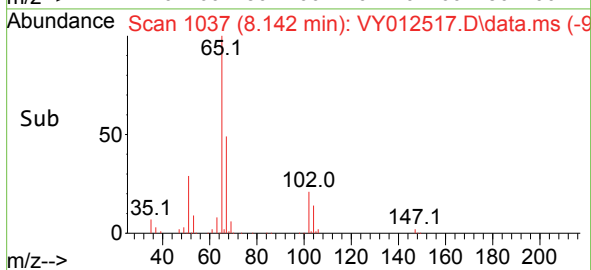
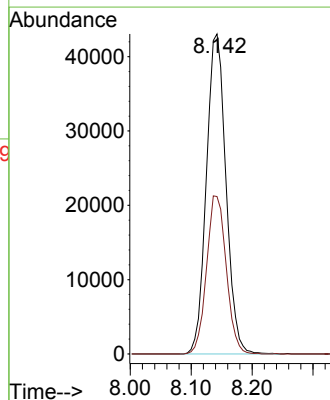
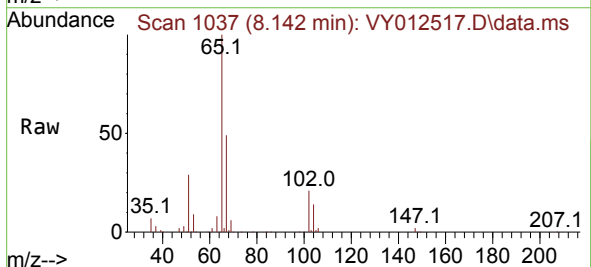
Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBL01

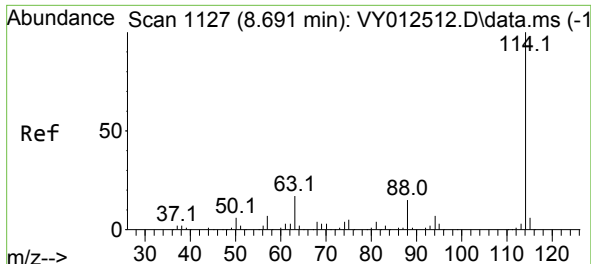
Tgt Ion: 56 Resp: 2590
Ion Ratio Lower Upper
56 100
69 148.5 29.5 44.3#
84 100.4 81.9 122.9



#33
1,2-Dichloroethane-d4
Concen: 53.630 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY012517.D
Acq: 07 Feb 2023 14:35

Tgt Ion: 65 Resp: 96333
Ion Ratio Lower Upper
65 100
67 49.7 0.0 98.6

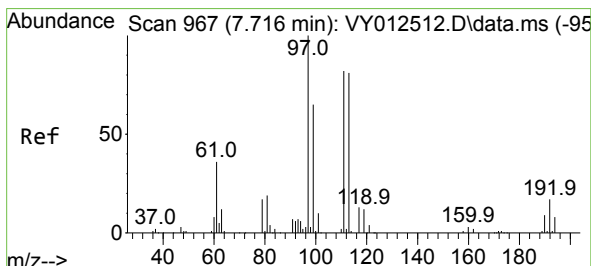
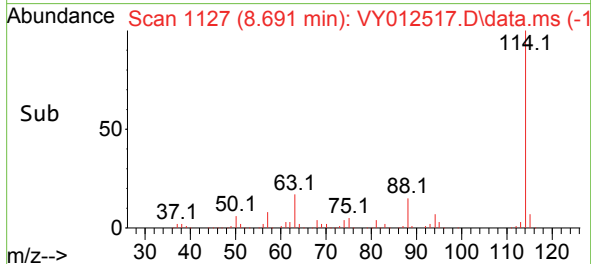
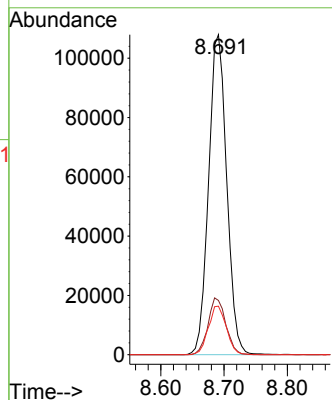
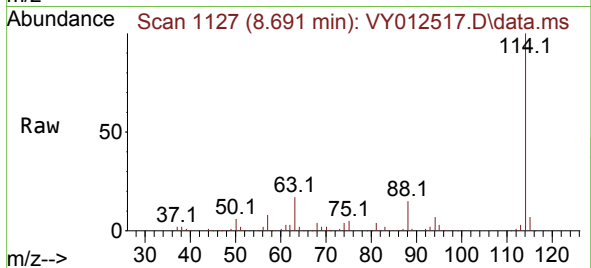




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012517.D
Acq: 07 Feb 2023 14:35

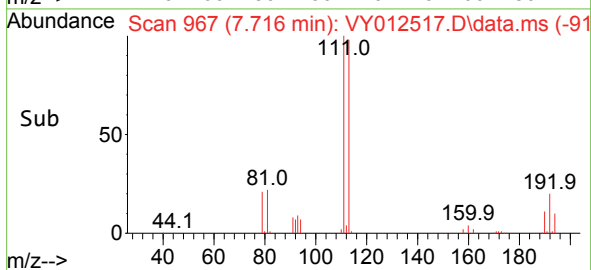
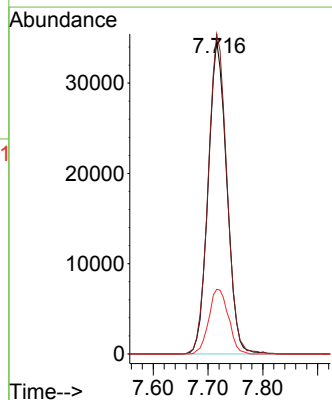
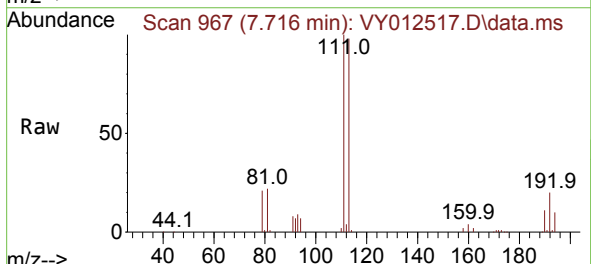
Instrument :
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ClientSampleId :
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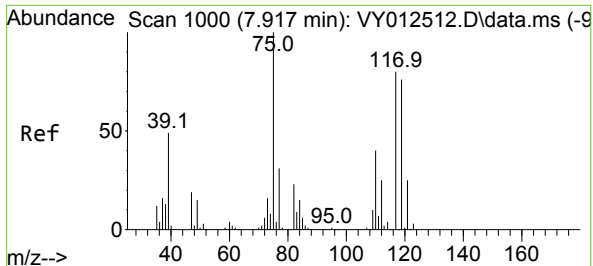
Tgt Ion:114 Resp: 214766
Ion Ratio Lower Upper
114 100
63 16.9 0.0 33.6
88 15.1 0.0 29.8



#35
Dibromofluoromethane
Concen: 52.044 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY012517.D
Acq: 07 Feb 2023 14:35

Tgt Ion:113 Resp: 81399
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 21.8 17.5 26.3





#36

1,1-Dichloropropene

Concen: 4.488 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY012517.D

Acq: 07 Feb 2023 14:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBL01

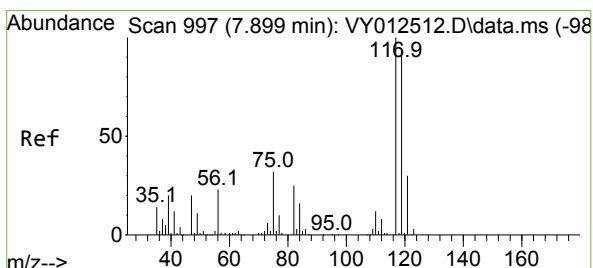
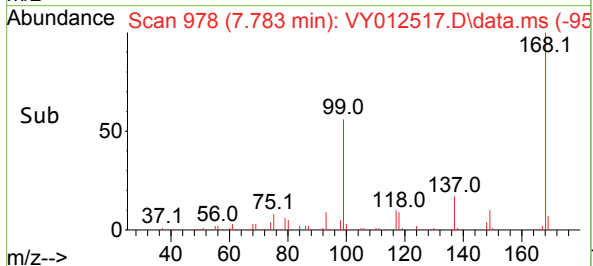
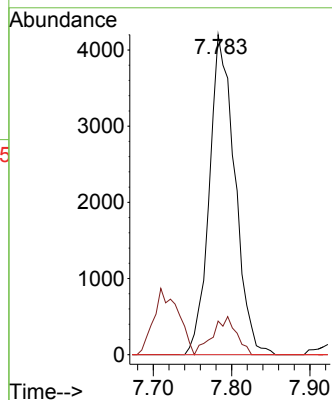
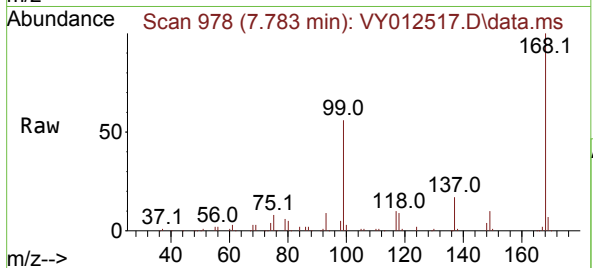
Tgt Ion: 75 Resp: 9501

Ion Ratio Lower Upper

75 100

110 11.1 19.5 58.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 4.880 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012517.D

Acq: 07 Feb 2023 14:35

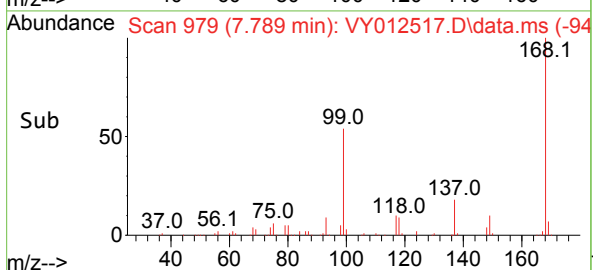
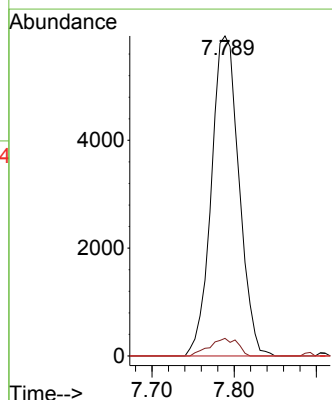
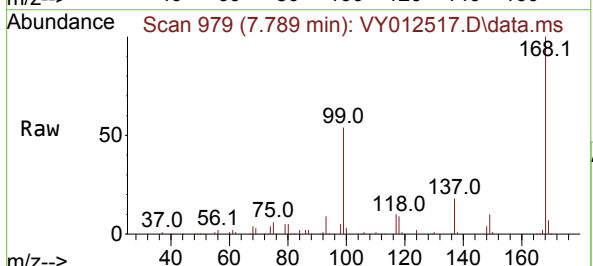
Tgt Ion: 117 Resp: 13867

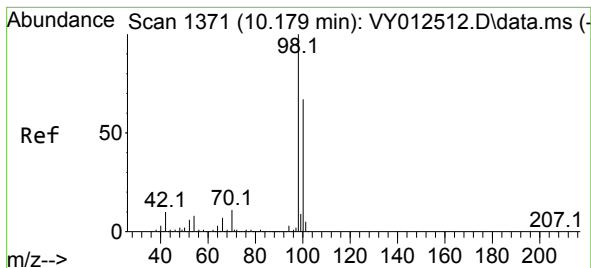
Ion Ratio Lower Upper

117 100

119 5.5 75.1 112.7#

121 0.0 24.3 36.5#

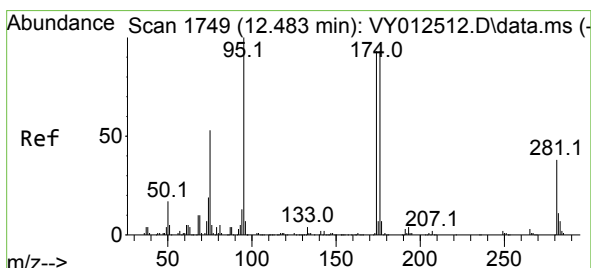
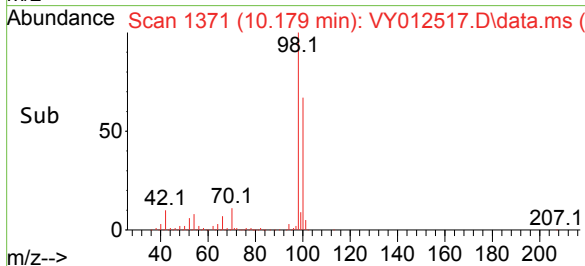
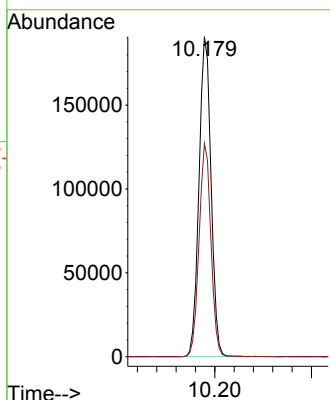
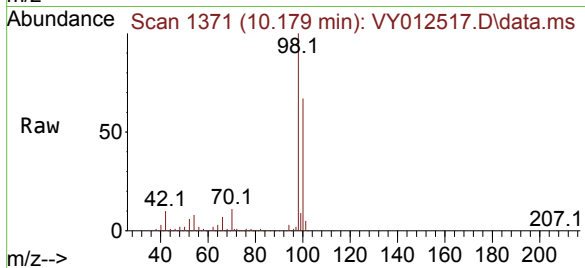




#50
Toluene-d8
Concen: 50.623 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012517.D
Acq: 07 Feb 2023 14:35

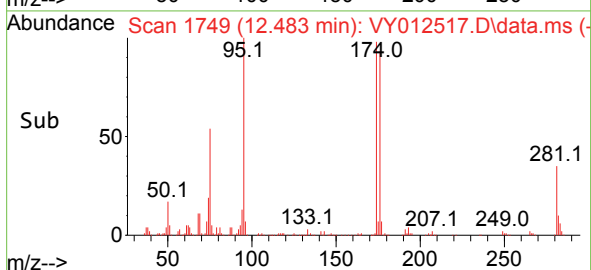
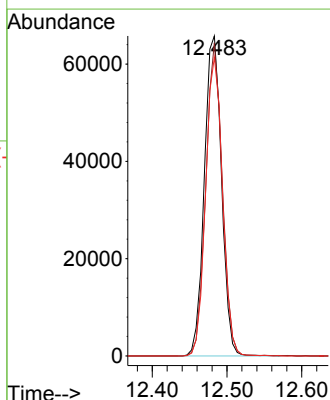
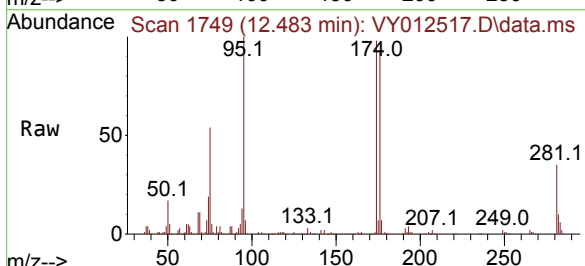
Instrument :
MSVOA_Y
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VY0207SBL01

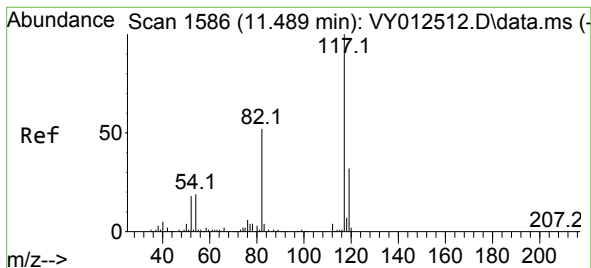
Tgt Ion: 98 Resp: 329559
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 46.117 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012517.D
Acq: 07 Feb 2023 14:35

Tgt Ion: 95 Resp: 104720
Ion Ratio Lower Upper
95 100
174 94.2 0.0 188.0
176 92.0 0.0 183.6

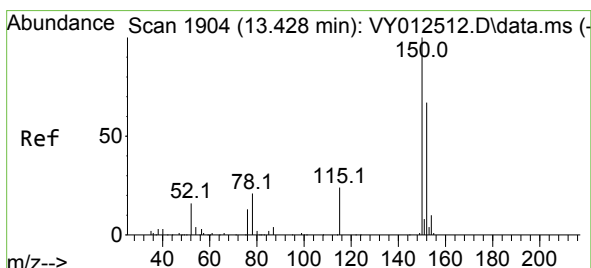
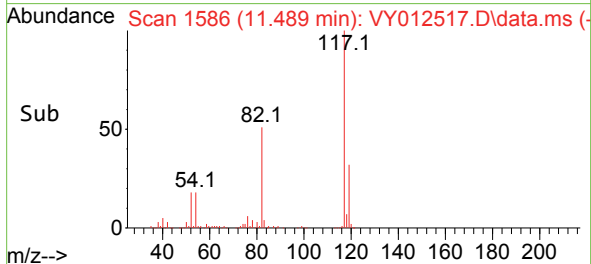
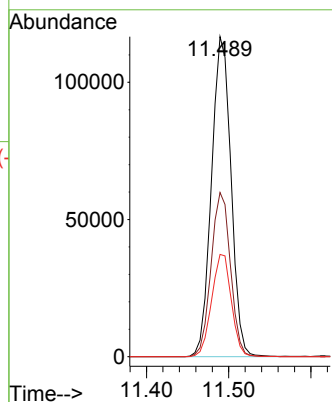
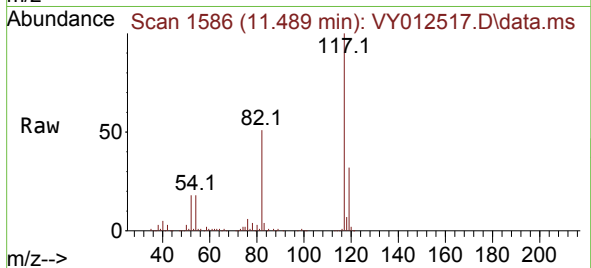




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012517.D
Acq: 07 Feb 2023 14:35

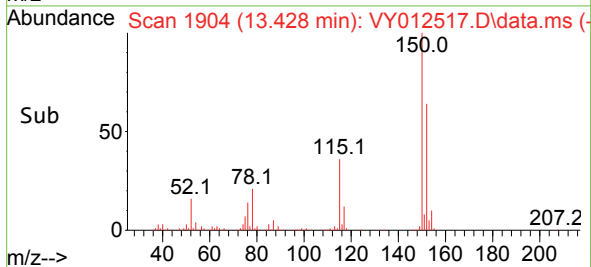
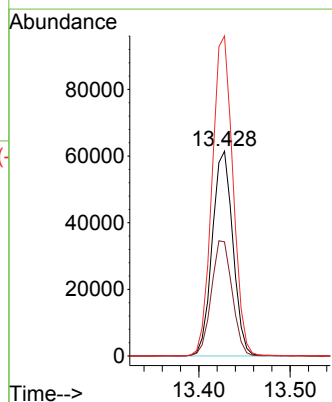
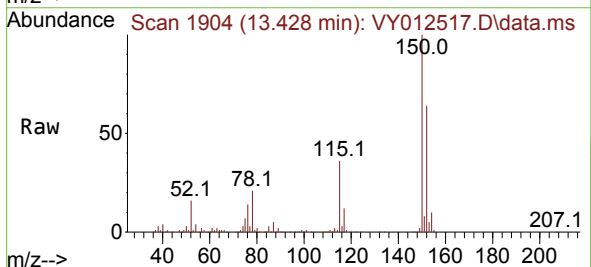
Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBL01

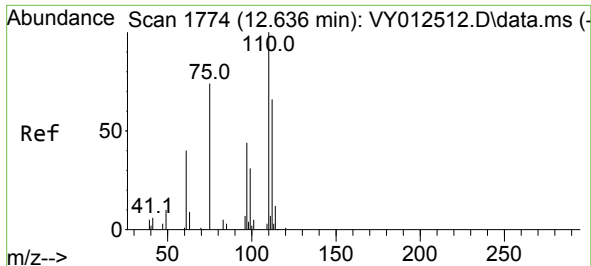
Tgt Ion:117 Resp: 192462
Ion Ratio Lower Upper
117 100
82 51.3 41.7 62.5
119 32.0 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY012517.D
Acq: 07 Feb 2023 14:35

Tgt Ion:152 Resp: 96310
Ion Ratio Lower Upper
152 100
115 56.4 28.1 84.3
150 158.1 0.0 351.0

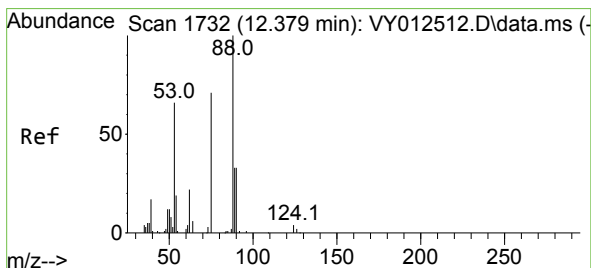
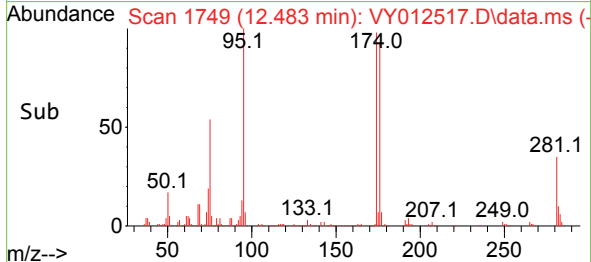
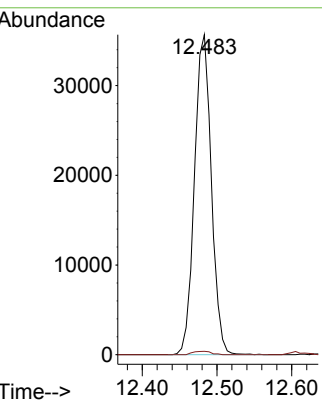
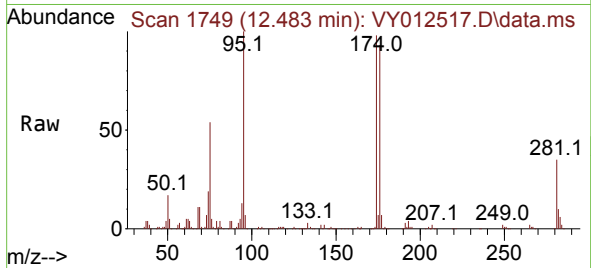




#76
1,2,3-Trichloropropane
Concen: 51.958 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012517.D
Acq: 07 Feb 2023 14:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBL01

Tgt Ion: 75 Resp: 55907
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.167 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012517.D
Acq: 07 Feb 2023 14:35

Tgt Ion: 75 Resp: 55907
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.5 39.9 59.9#

