

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011723\
 Data File : VY012226.D
 Acq On : 17 Jan 2023 16:26
 Operator : KP/MD
 Sample : 01170-01RE
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-2-011623

Quant Time: Jan 18 00:33:26 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)

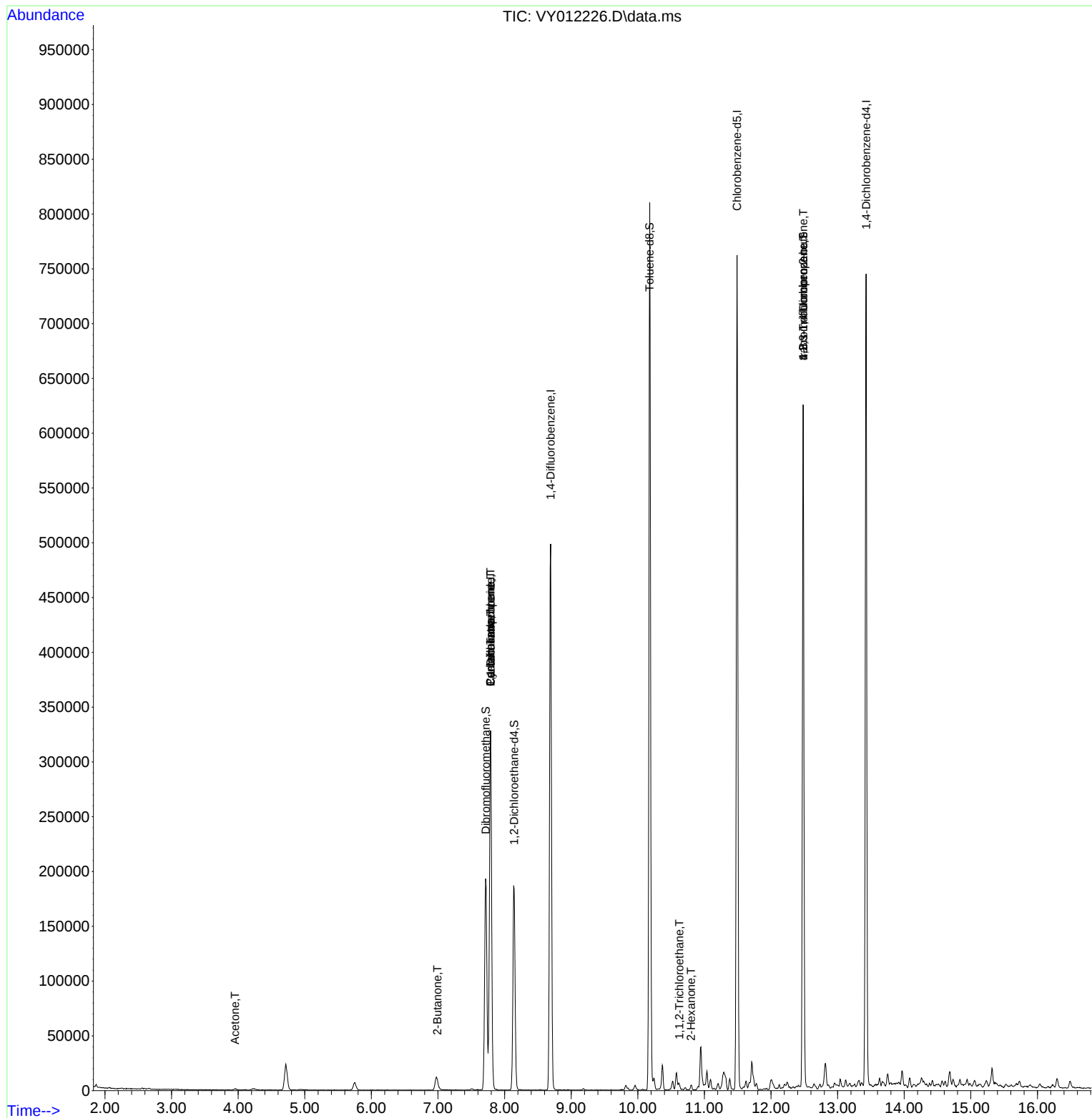
Internal Standards						
1) Pentafluorobenzene	7.789	168	260891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	445828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	428427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	197899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	148440	70.234	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 140.460%		
35) Dibromofluoromethane	7.716	113	138736	58.770	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 117.540%		
50) Toluene-d8	10.179	98	526879	65.784	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 131.560%		
62) 4-Bromofluorobenzene	12.483	95	186032	55.902	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 111.800%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.936	59	559	Below Cal	#	74
16) Acetone	3.954	43	2065	2.843	ug/l	90
20) Methylene Chloride	4.710	84	18082	Below Cal		89
25) 2-Butanone	6.990	43	1060	1.322	ug/l #	68
31) Cyclohexane	7.789	56	4598	1.209	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	17685	4.408	ug/l #	49
38) Carbon Tetrachloride	7.789	117	24994	4.824	ug/l #	18
55) 1,1,2-Trichloroethane	10.624	97	2677	1.165	ug/l #	21
59) 2-Hexanone	10.801	43	1737	1.300	ug/l #	23
76) 1,2,3-Trichloropropane	12.483	75	93717	51.500	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	93717	106.112	ug/l #	13

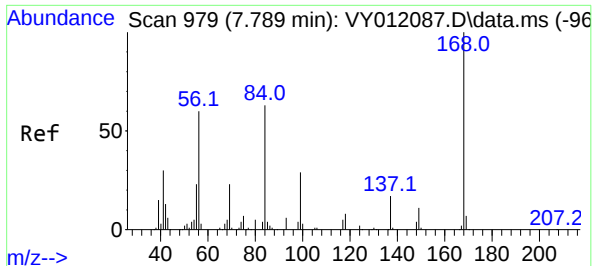
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 18 00:33:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
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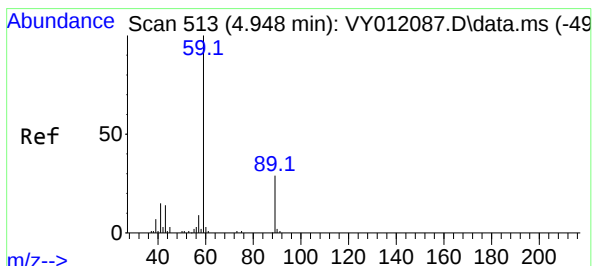
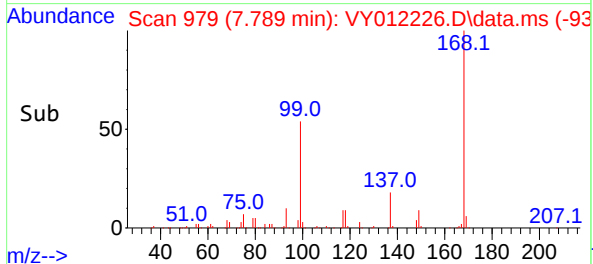
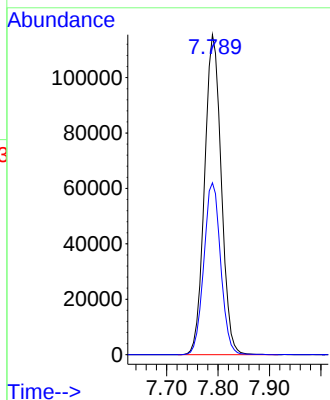
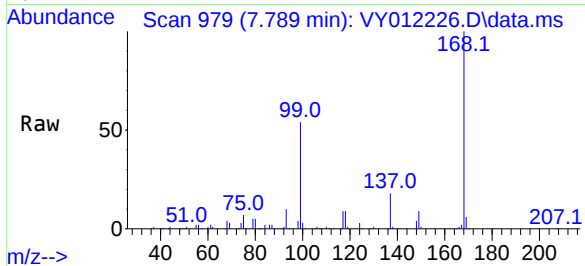




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012226.D
Acq: 17 Jan 2023 16:26

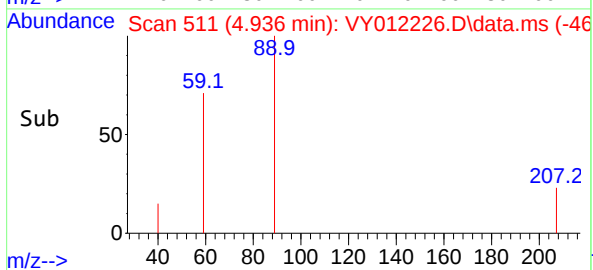
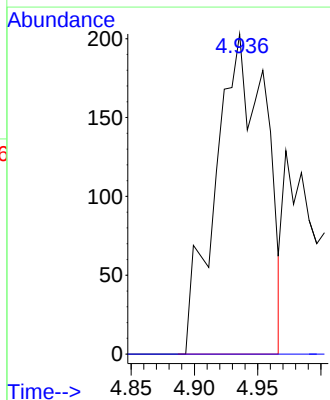
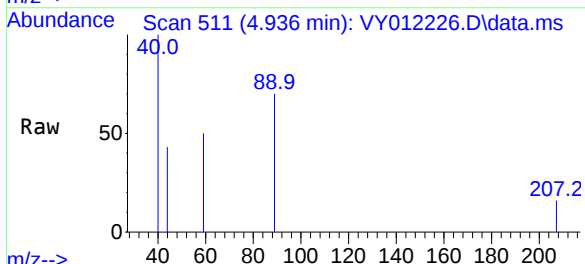
Instrument :
MSVOA_Y
ClientSampleId :
CL-2-011623

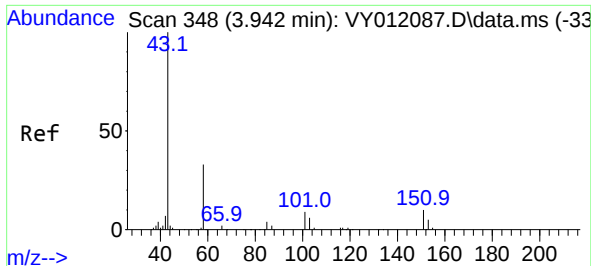
Tgt Ion:168 Resp: 260891
Ion Ratio Lower Upper
168 100
99 53.7 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012226.D
Acq: 17 Jan 2023 16:26

Tgt Ion: 59 Resp: 559
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

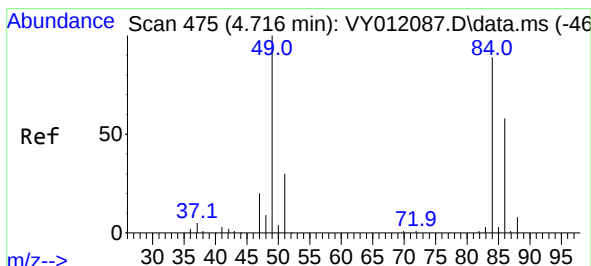
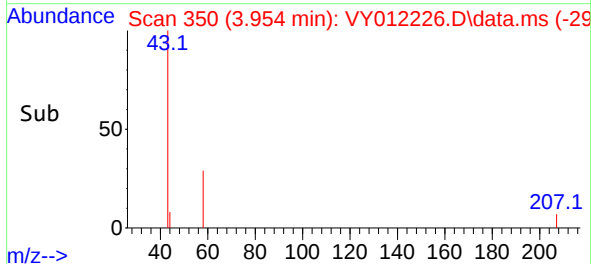
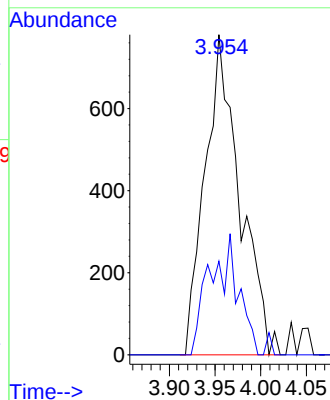
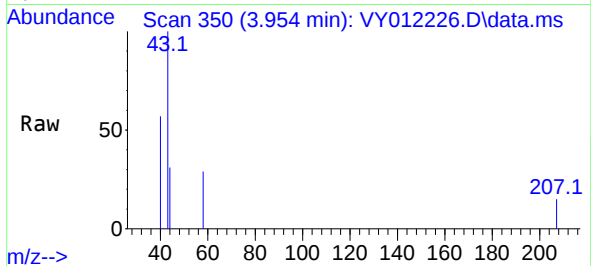




#16
Acetone
Concen: 2.843 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY012226.D
Acq: 17 Jan 2023 16:26

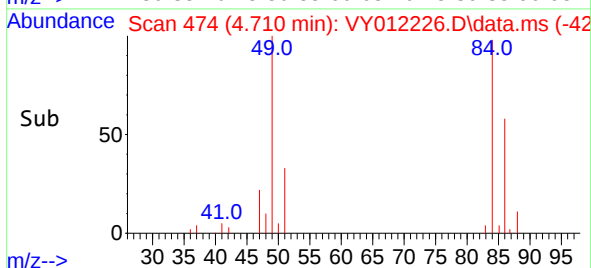
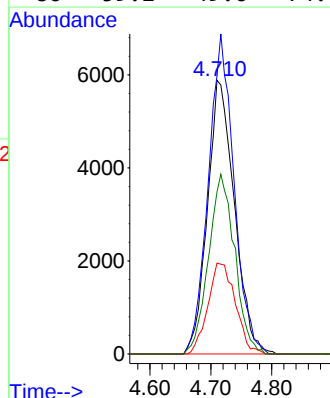
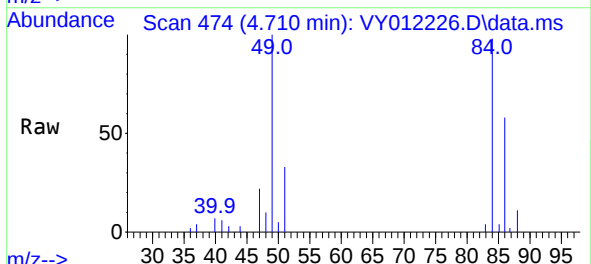
Instrument :
MSVOA_Y
ClientSampleId :
CL-2-011623

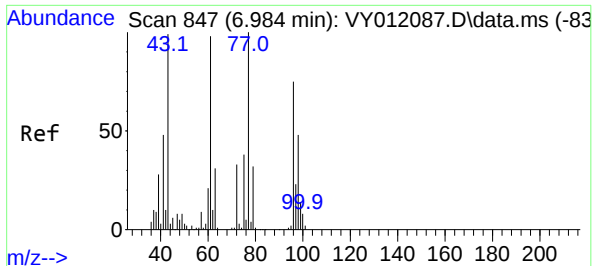
Tgt Ion: 43 Resp: 2065
Ion Ratio Lower Upper
43 100
58 29.2 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY012226.D
Acq: 17 Jan 2023 16:26

Tgt Ion: 84 Resp: 18082
Ion Ratio Lower Upper
84 100
49 101.6 95.4 143.2
51 33.3 29.9 44.9
86 59.2 49.6 74.4

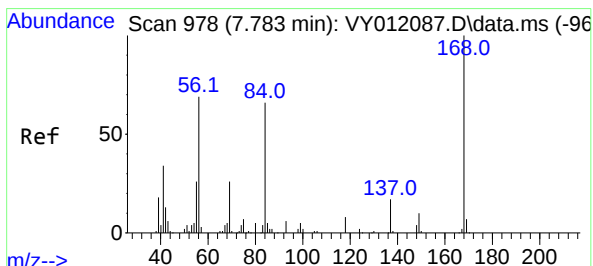
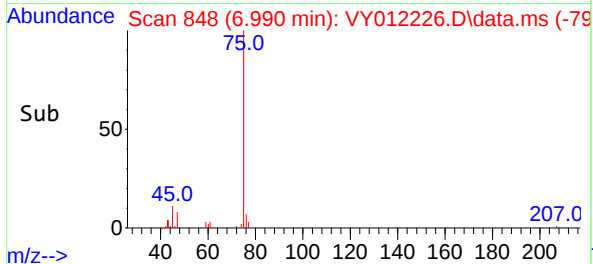
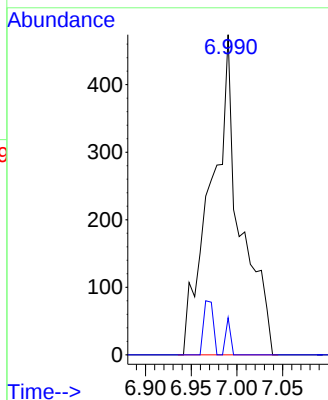
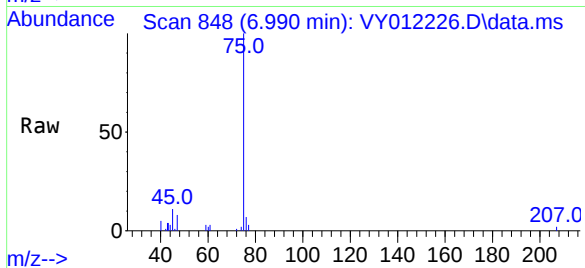




#25
2-Butanone
Concen: 1.322 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY012226.D
Acq: 17 Jan 2023 16:26

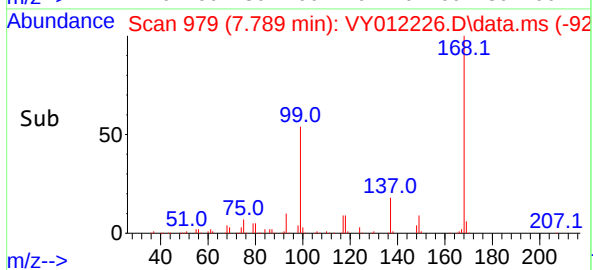
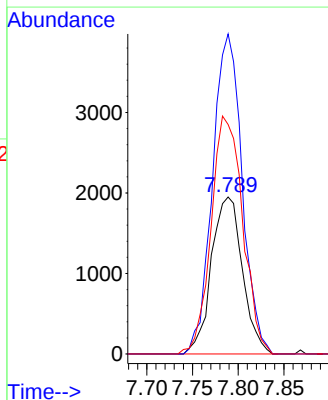
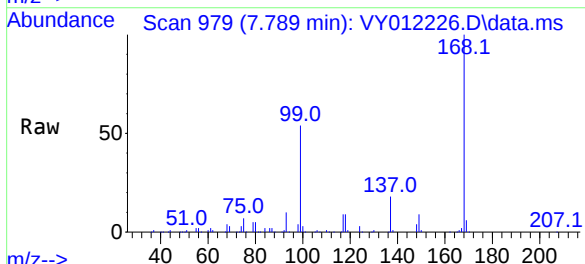
Instrument :
MSVOA_Y
ClientSampleId :
CL-2-011623

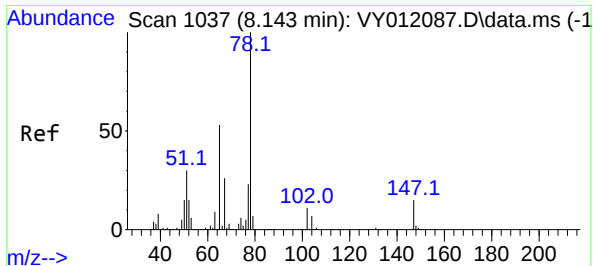
Tgt Ion: 43 Resp: 1060
Ion Ratio Lower Upper
43 100
72 11.6 22.6 34.0#



#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY012226.D
Acq: 17 Jan 2023 16:26

Tgt Ion: 56 Resp: 4598
Ion Ratio Lower Upper
56 100
69 204.0 29.2 43.8#
84 146.2 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 70.234 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012226.D

Acq: 17 Jan 2023 16:26

Instrument :

MSVOA_Y

ClientSampleId :

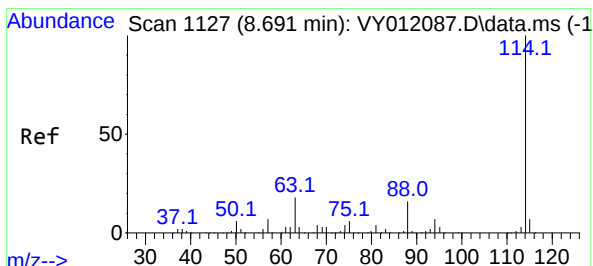
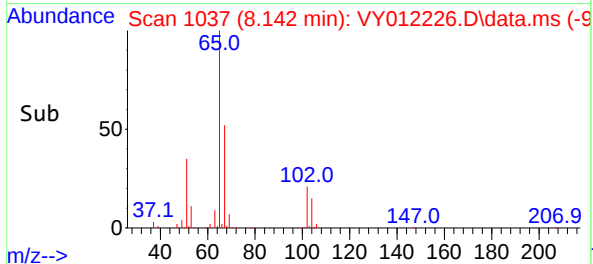
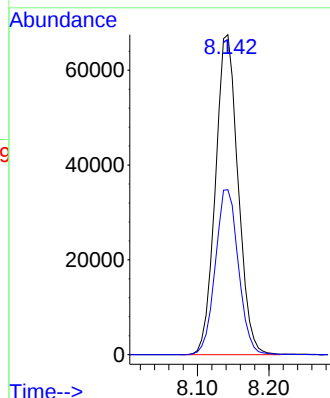
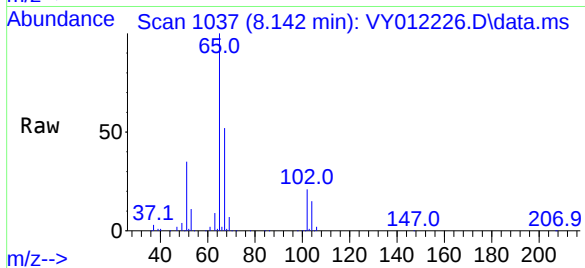
CL-2-011623

Tgt Ion: 65 Resp: 148440

Ion Ratio Lower Upper

65 100

67 52.6 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: VY012226.D

Acq: 17 Jan 2023 16:26

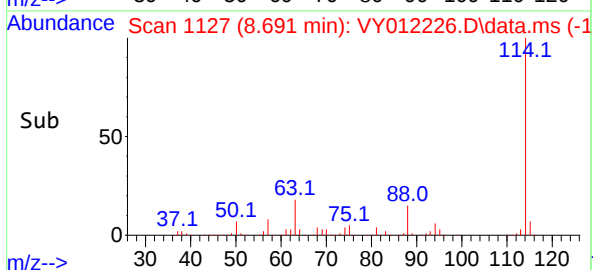
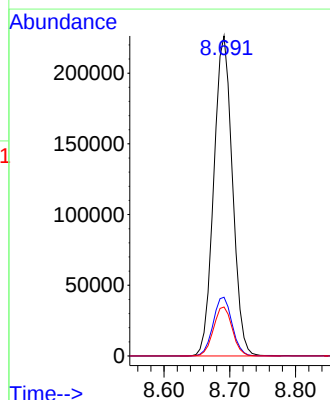
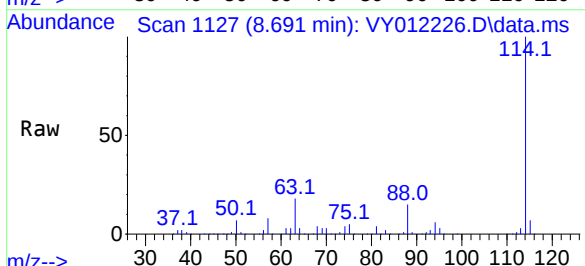
Tgt Ion: 114 Resp: 445828

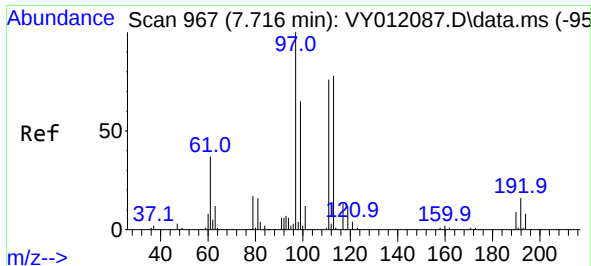
Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.6

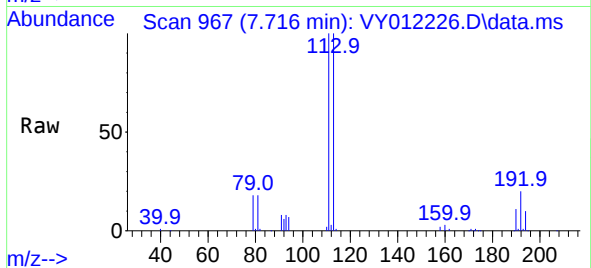
88 15.3 0.0 32.2



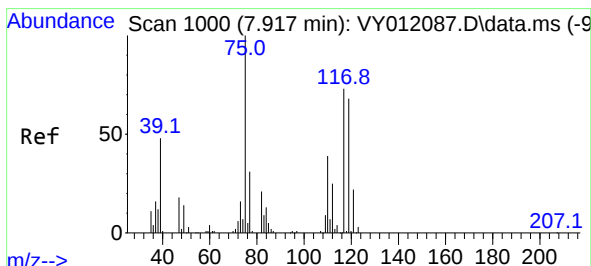
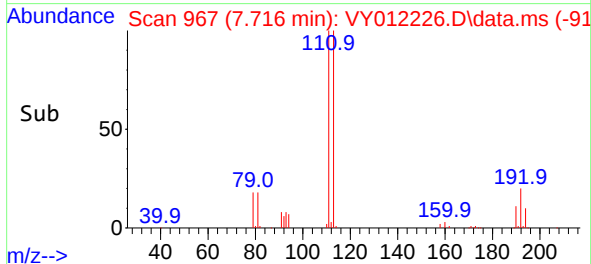
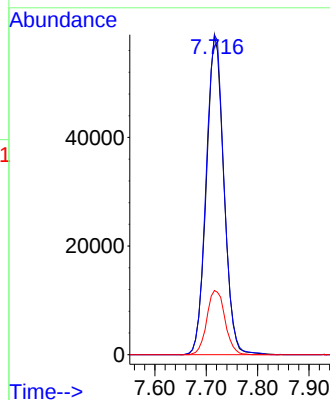


#35
Dibromofluoromethane
Concen: 58.770 ug/l
RT: 7.716 min Scan# 912
Delta R.T. -0.000 min
Lab File: VY012226.D
Acq: 17 Jan 2023 16:26

Instrument :
MSVOA_Y
ClientSampleId :
CL-2-011623

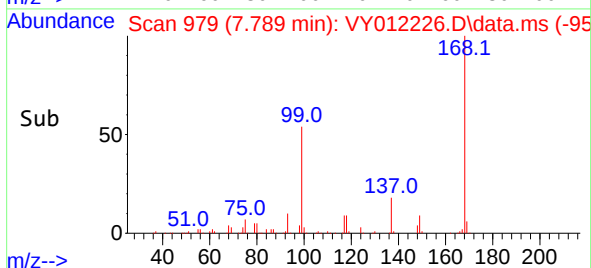
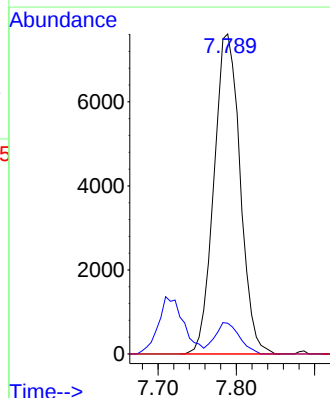
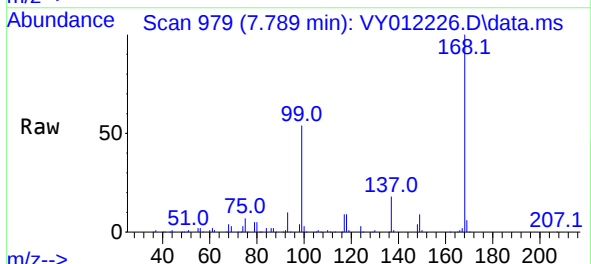


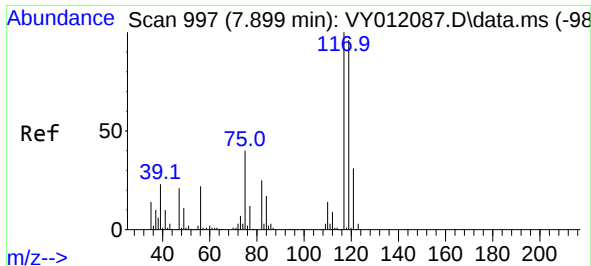
Tgt Ion:113 Resp: 138736
Ion Ratio Lower Upper
113 100
111 102.2 83.0 124.4
192 20.9 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.408 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012226.D
Acq: 17 Jan 2023 16:26

Tgt Ion: 75 Resp: 17685
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.1#
77 0.0 25.1 37.7#

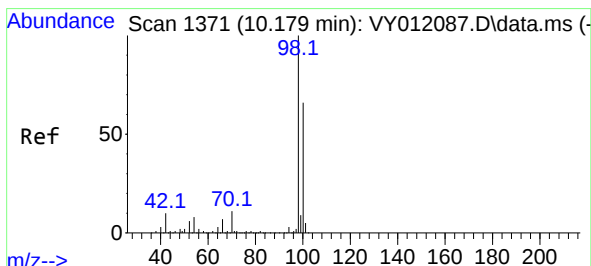
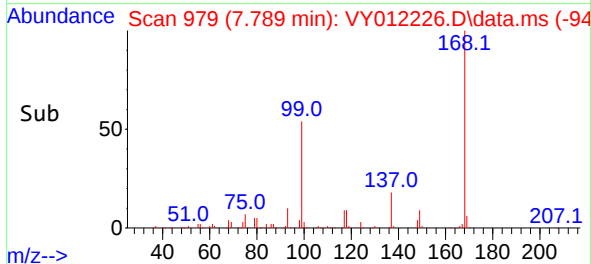
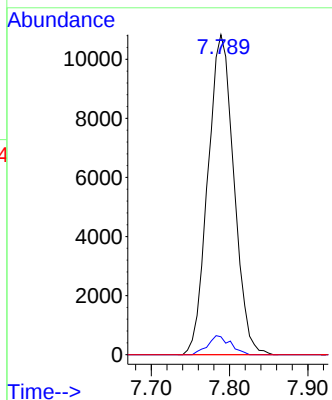
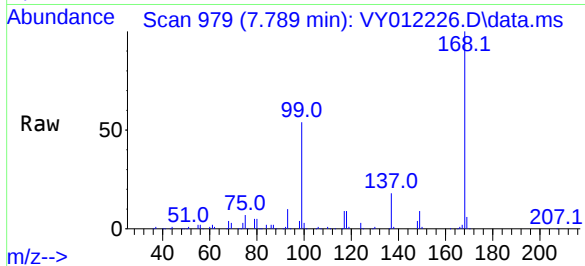




#38
Carbon Tetrachloride
Concen: 4.824 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012226.D
Acq: 17 Jan 2023 16:26

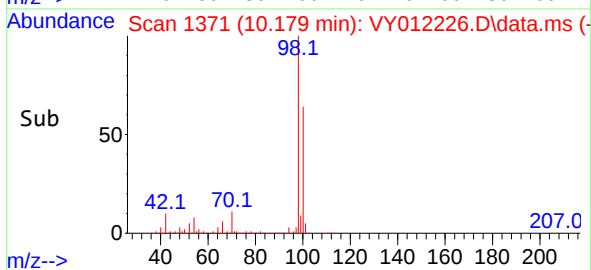
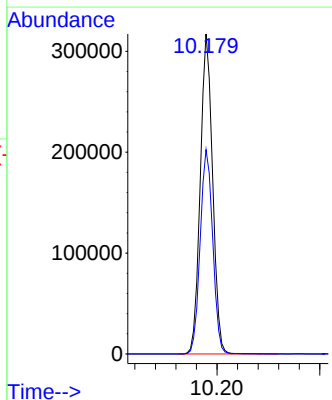
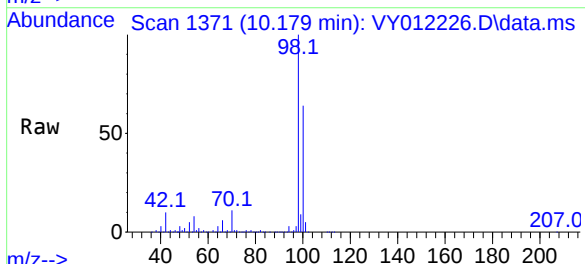
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MSVOA_Y
ClientSampleId :
CL-2-011623

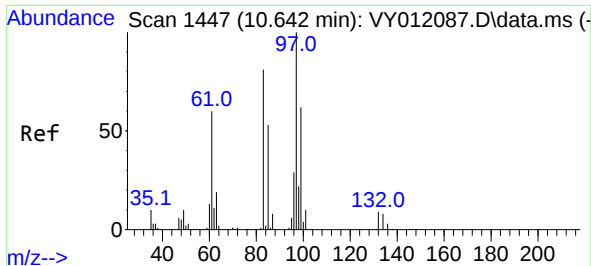
Tgt Ion:117 Resp: 24994
Ion Ratio Lower Upper
117 100
119 5.6 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 65.784 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012226.D
Acq: 17 Jan 2023 16:26

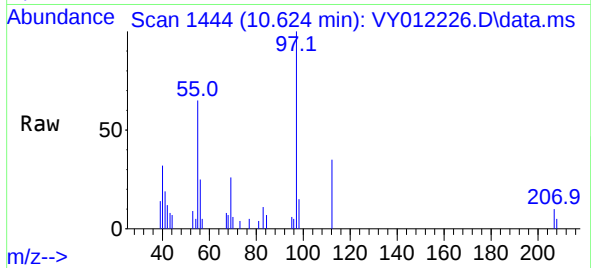
Tgt Ion: 98 Resp: 526879
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9





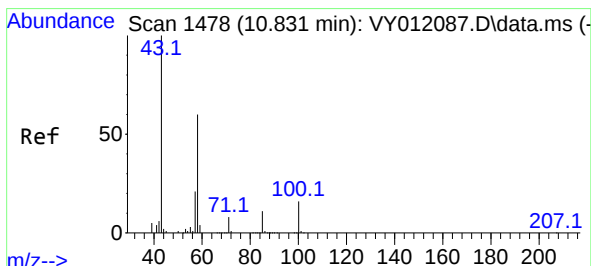
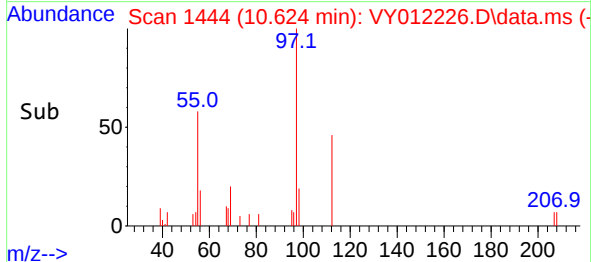
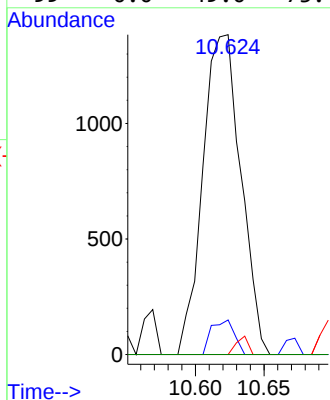
#55
1,1,2-Trichloroethane
Concen: 1.165 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.018 min
Lab File: VY012226.D
Acq: 17 Jan 2023 16:26

Instrument :
MSVOA_Y
ClientSampleId :
CL-2-011623



Tgt Ion: 97 Resp: 2677

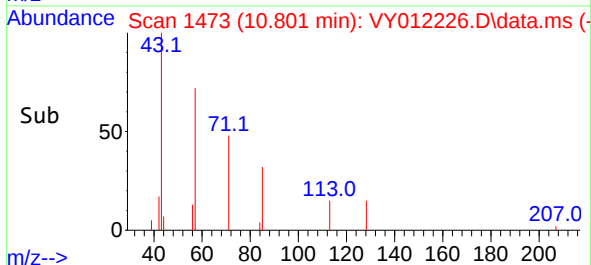
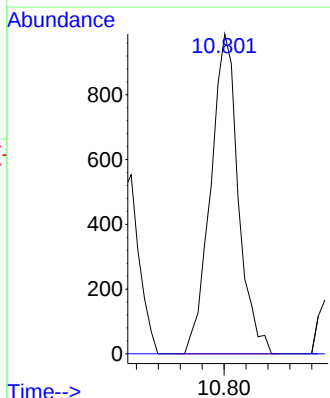
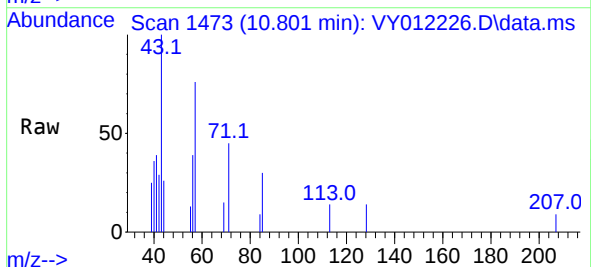
Ion	Ratio	Lower	Upper
97	100		
83	10.8	67.7	101.5#
85	0.0	43.8	65.8#
99	0.0	49.0	73.4#

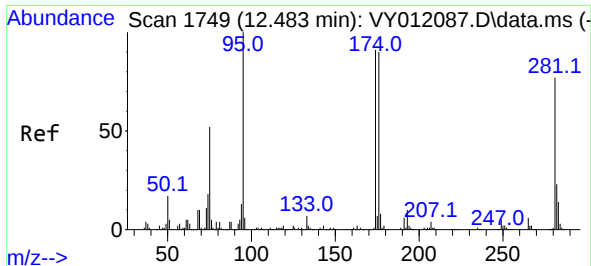


#59
2-Hexanone
Concen: 1.300 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY012226.D
Acq: 17 Jan 2023 16:26

Tgt Ion: 43 Resp: 1737

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.4	85.2#

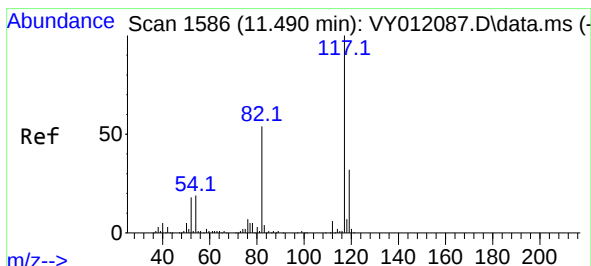
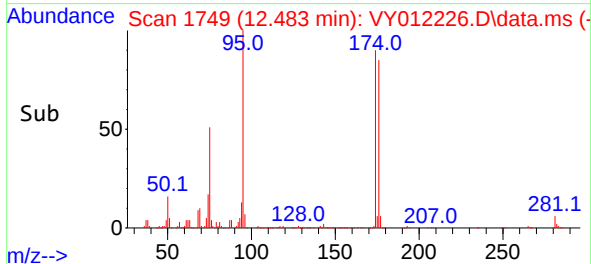
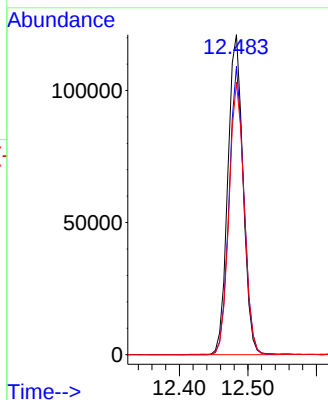
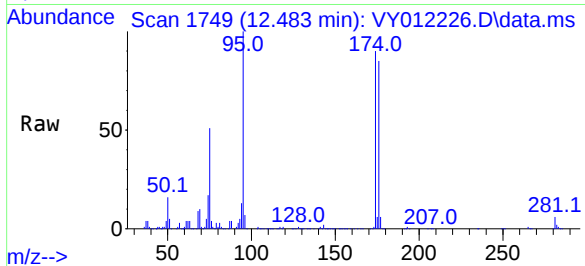




#62
4-Bromofluorobenzene
Concen: 55.902 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012226.D
Acq: 17 Jan 2023 16:26

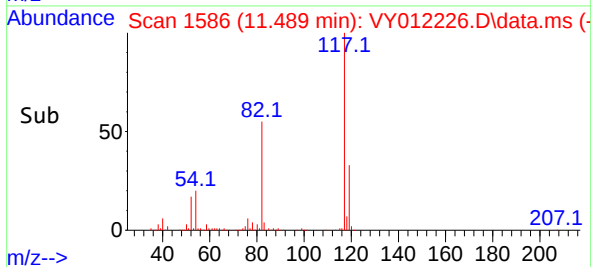
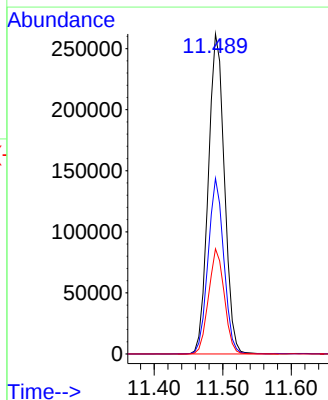
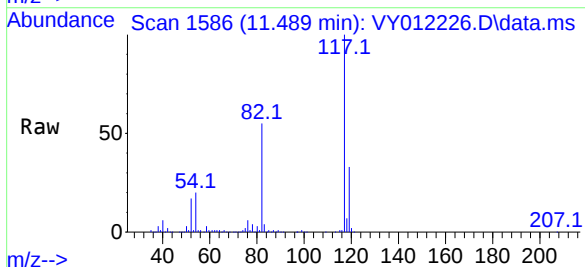
Instrument :
MSVOA_Y
ClientSampleId :
CL-2-011623

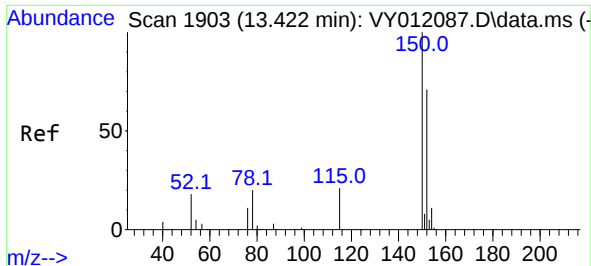
Tgt Ion: 95 Resp: 186032
Ion Ratio Lower Upper
95 100
174 87.8 0.0 172.0
176 84.7 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012226.D
Acq: 17 Jan 2023 16:26

Tgt Ion: 117 Resp: 428427
Ion Ratio Lower Upper
117 100
82 54.8 44.8 67.2
119 32.8 25.4 38.2

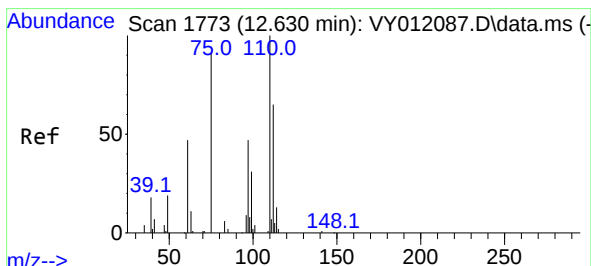
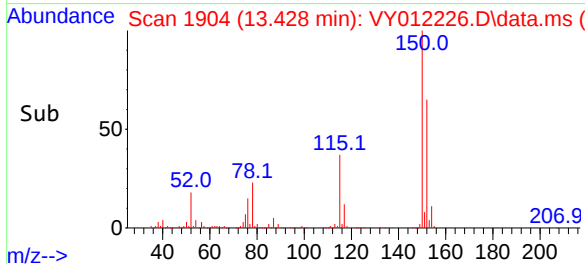
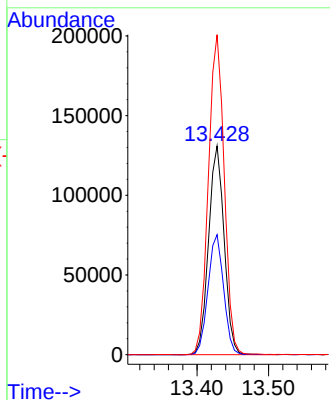
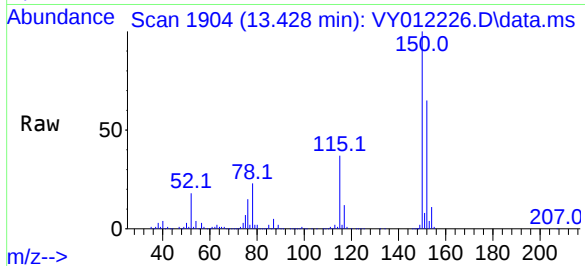




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY012226.D
Acq: 17 Jan 2023 16:26

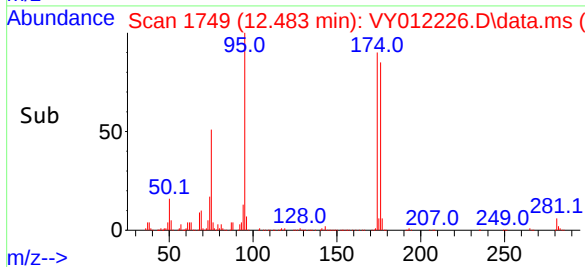
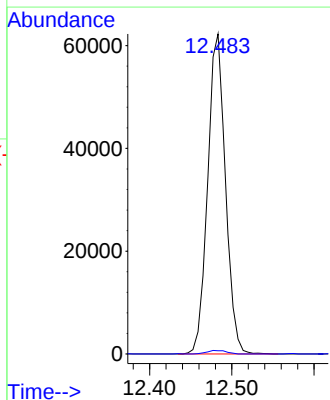
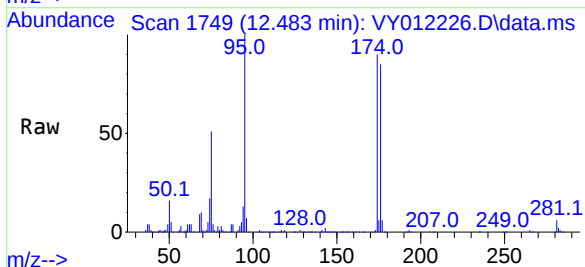
Instrument :
MSVOA_Y
ClientSampleId :
CL-2-011623

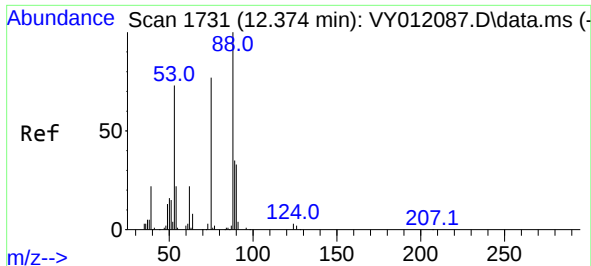
Tgt Ion:152 Resp: 197899
Ion Ratio Lower Upper
152 100
115 57.8 29.1 87.3
150 156.0 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 51.500 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012226.D
Acq: 17 Jan 2023 16:26

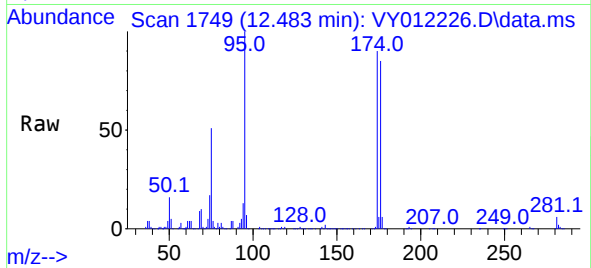
Tgt Ion: 75 Resp: 93717
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.112 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012226.D
 Acq: 17 Jan 2023 16:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-2-011623



Tgt Ion: 75 Resp: 93717

Ion	Ratio	Lower	Upper
75	100		
53	0.0	72.5	108.7#
89	0.0	37.0	55.4#

