

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012023\
 Data File : VY012301.D
 Acq On : 20 Jan 2023 19:20
 Operator : KP/MD
 Sample : 01244-012
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-223

Quant Time: Jan 23 02:25:22 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)

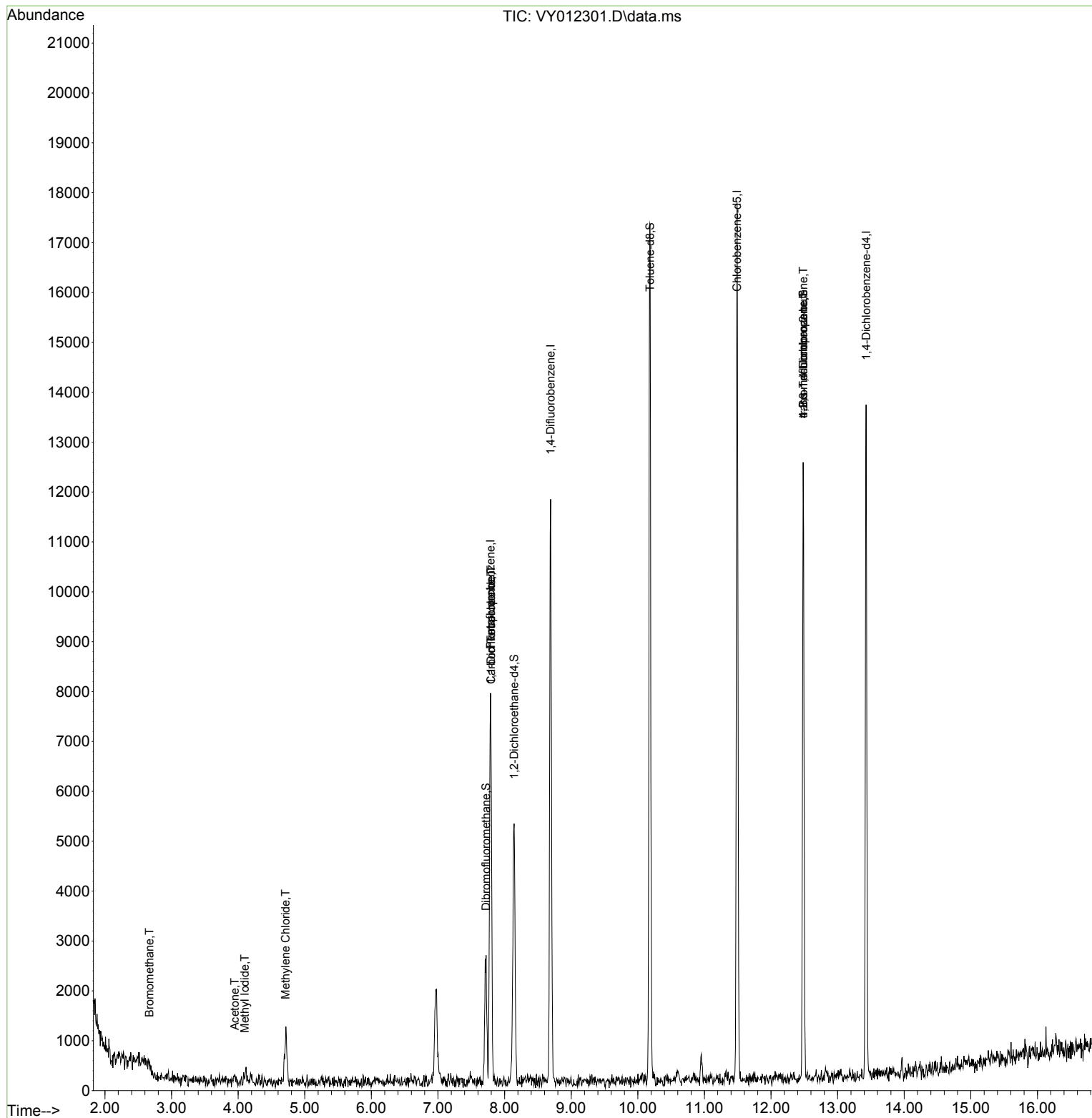
Internal Standards						
1) Pentafluorobenzene	7.789	168	6635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	10734	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	10756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	4651	87.519	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	175.040%#
35) Dibromofluoromethane	7.722	113	1924	33.851	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	67.700%
50) Toluene-d8	10.185	98	13065	67.894	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	135.780%
62) 4-Bromofluorobenzene	12.483	95	3789	47.290	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.580%
Target Compounds						
					Qvalue	
5) Bromomethane	2.668	94	113	2.339	ug/l #	1
10) Methyl Iodide	4.101	142	317	3.515	ug/l #	46
16) Acetone	3.948	43	42	2.273	ug/l #	40
20) Methylene Chloride	4.710	84	743	1.977	ug/l	92
36) 1,1-Dichloropropene	7.795	75	434	4.493	ug/l #	41
38) Carbon Tetrachloride	7.795	117	631	5.058	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	1816	49.042	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1816	101.047	ug/l #	13

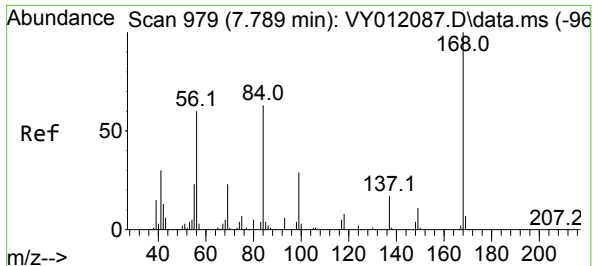
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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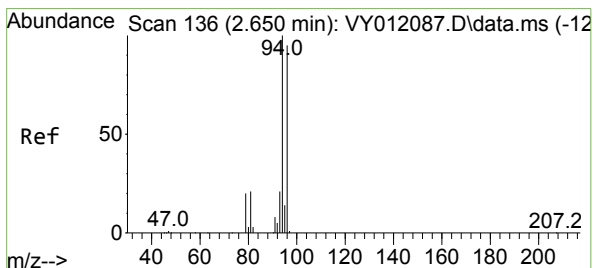
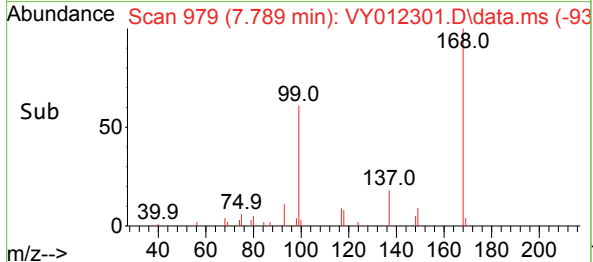
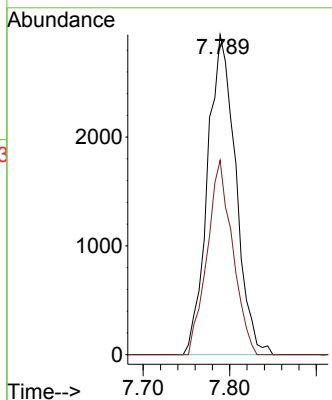
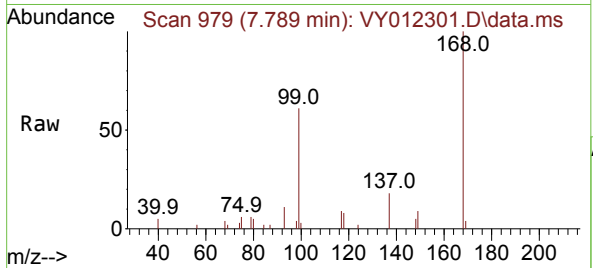




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012301.D
Acq: 20 Jan 2023 19:20

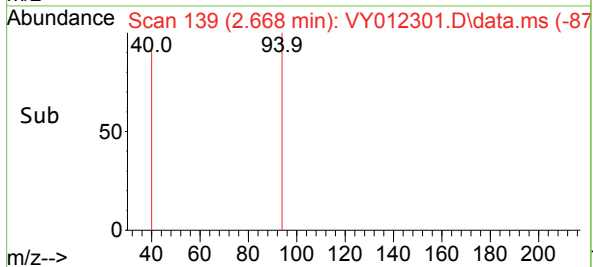
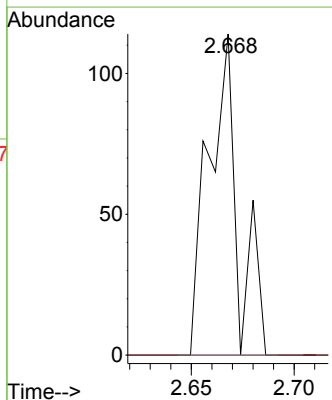
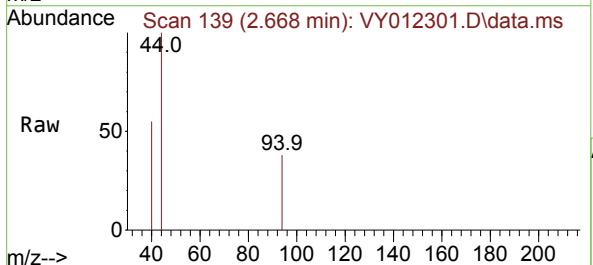
Instrument :
MSVOA_Y
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VNJ-223

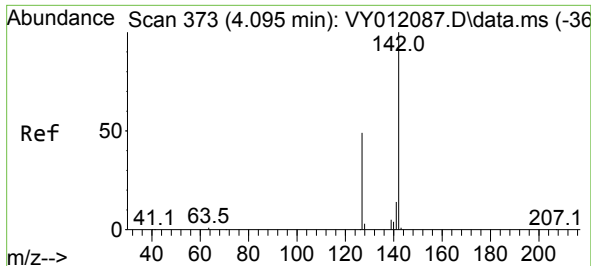
Tgt Ion:168 Resp: 6635
Ion Ratio Lower Upper
168 100
99 60.8 44.0 66.0



#5
Bromomethane
Concen: 2.339 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.018 min
Lab File: VY012301.D
Acq: 20 Jan 2023 19:20

Tgt Ion: 94 Resp: 113
Ion Ratio Lower Upper
94 100
96 0.0 77.4 116.2#

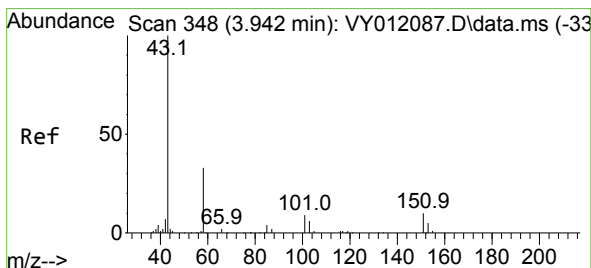
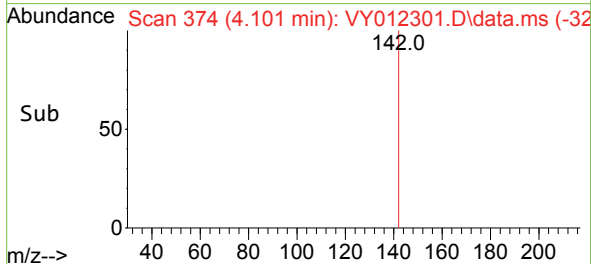
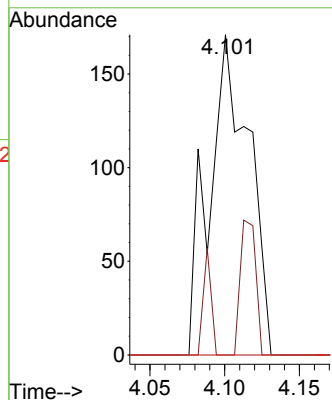
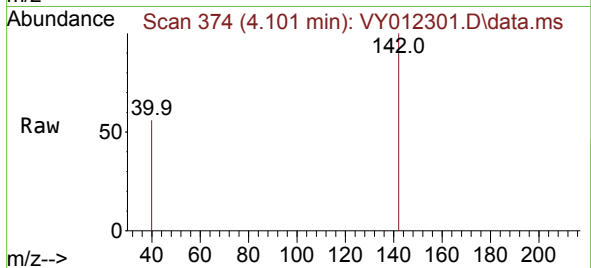




#10
Methyl Iodide
Concen: 3.515 ug/l
RT: 4.101 min Scan# 317
Delta R.T. 0.006 min
Lab File: VY012301.D
Acq: 20 Jan 2023 19:20

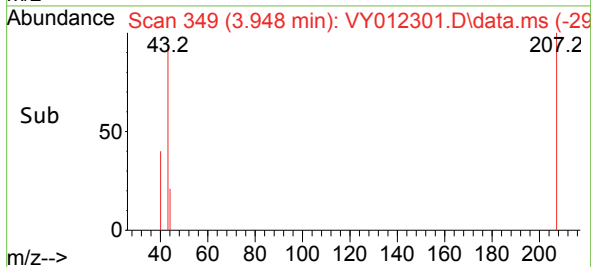
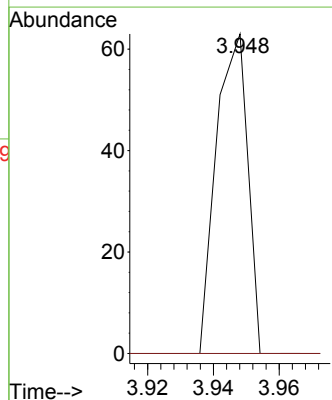
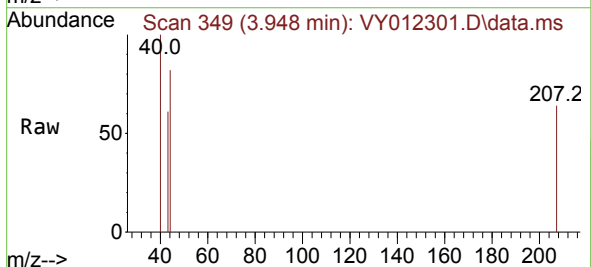
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-223

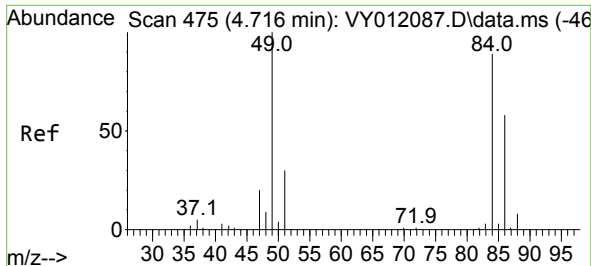
Tgt Ion:142 Resp: 317
Ion Ratio Lower Upper
142 100
127 6.6 37.0 55.4#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 2.273 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY012301.D
Acq: 20 Jan 2023 19:20

Tgt Ion: 43 Resp: 42
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#

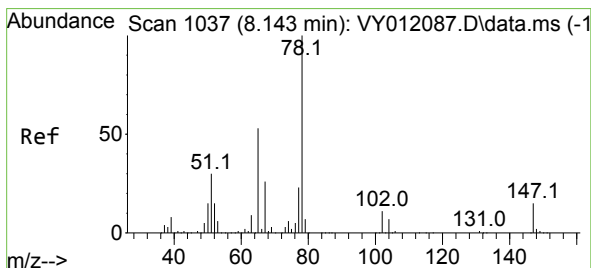
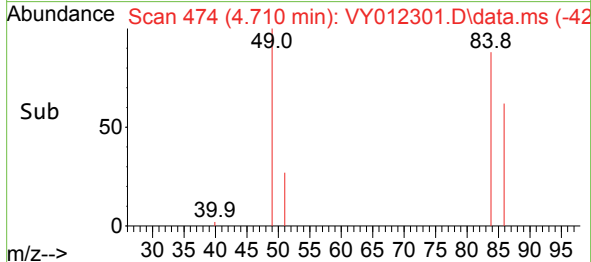
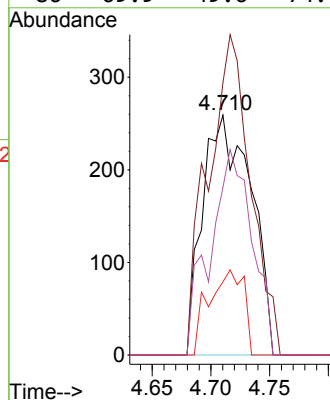
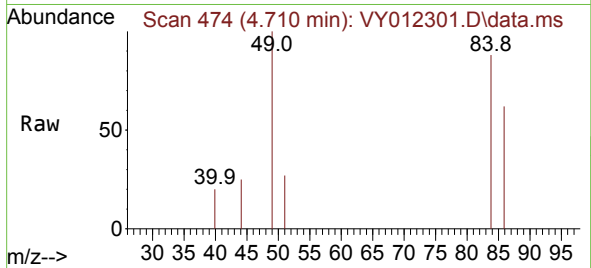




#20
Methylene Chloride
Concen: 1.977 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY012301.D
Acq: 20 Jan 2023 19:20

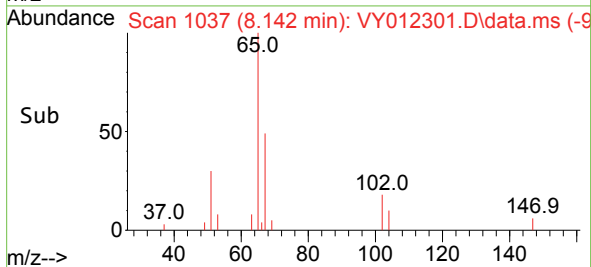
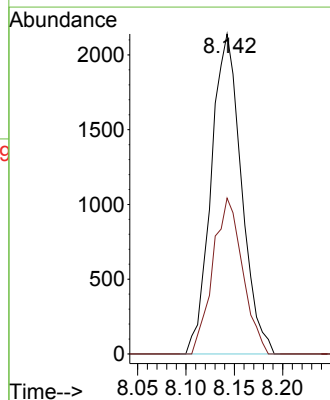
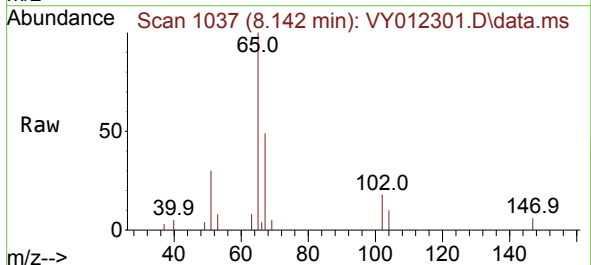
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-223

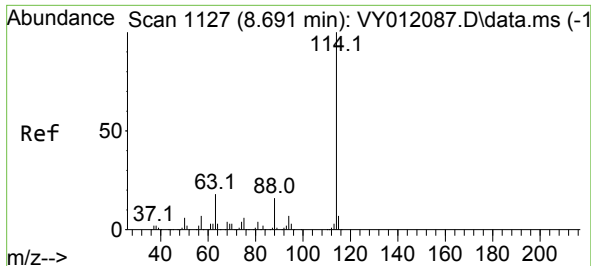
Tgt Ion: 84	Resp: 743
Ion Ratio	Lower Upper
84 100	
49 113.5	95.4 143.2
51 30.5	29.9 44.9
86 69.9	49.6 74.4



#33
1,2-Dichloroethane-d4
Concen: 87.519 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012301.D
Acq: 20 Jan 2023 19:20

Tgt Ion: 65	Resp: 4651
Ion Ratio	Lower Upper
65 100	
67 48.0	0.0 103.2

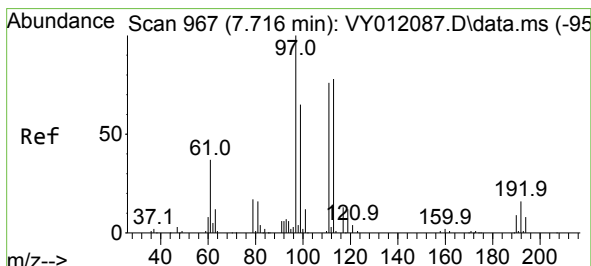
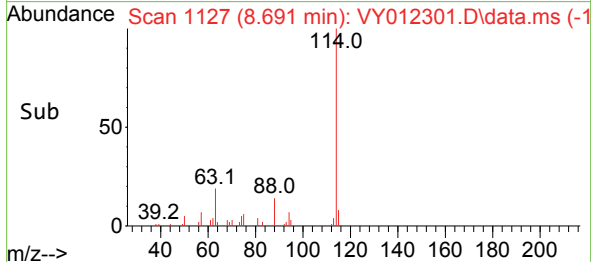
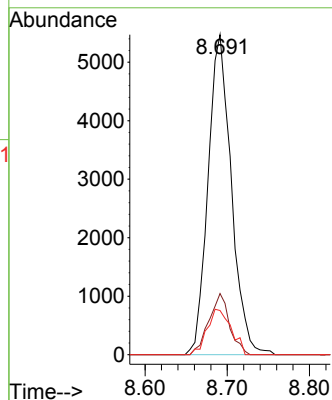
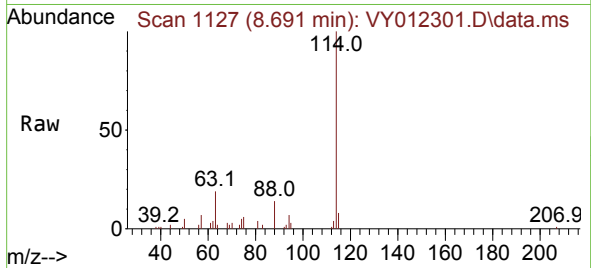




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012301.D
Acq: 20 Jan 2023 19:20

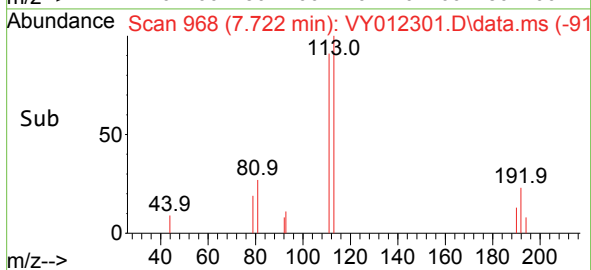
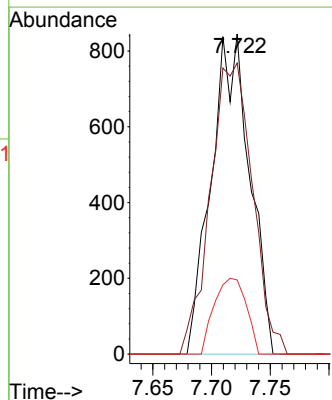
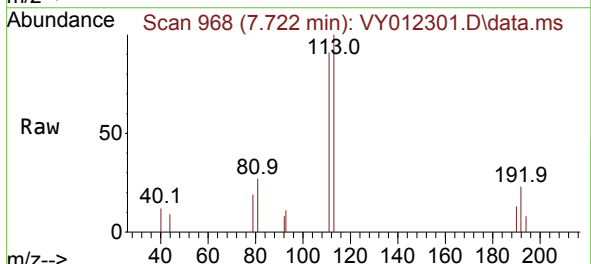
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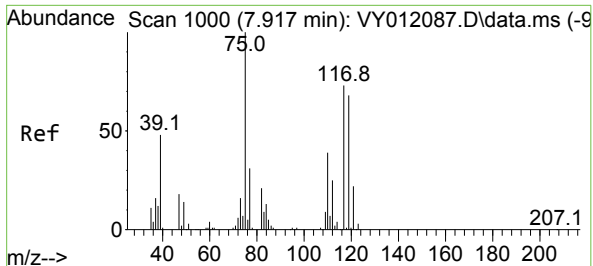
Tgt Ion:	114	Resp:	10734
Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.6
88	13.8	0.0	32.2



#35
Dibromofluoromethane
Concen: 33.851 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY012301.D
Acq: 20 Jan 2023 19:20

Tgt Ion:	113	Resp:	1924
Ion	Ratio	Lower	Upper
113	100		
111	99.4	83.0	124.4
192	19.7	16.0	24.0

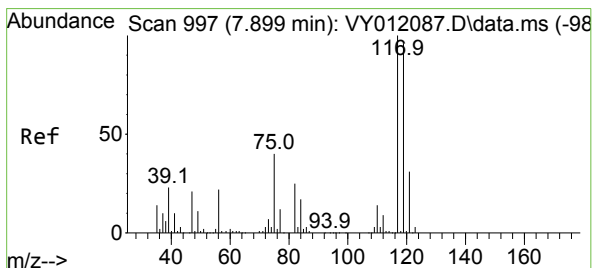
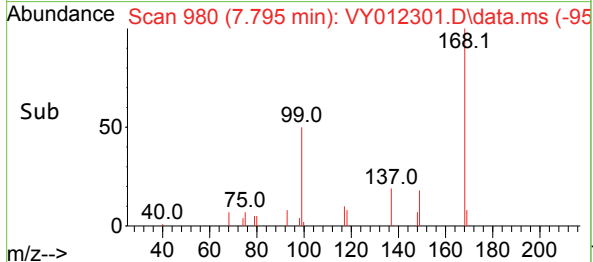
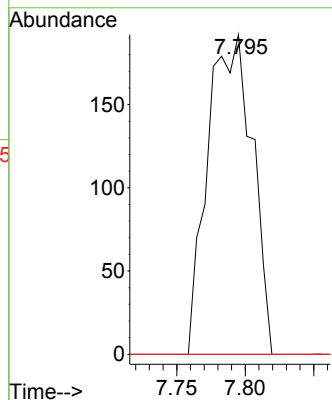
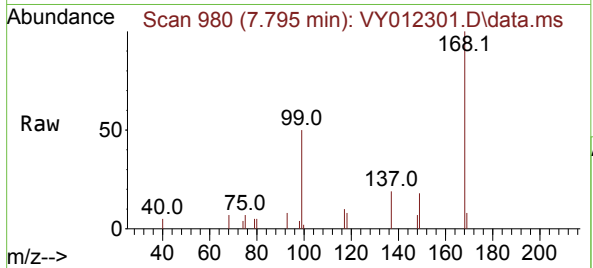




#36
1,1-Dichloropropene
Concen: 4.493 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY012301.D
Acq: 20 Jan 2023 19:20

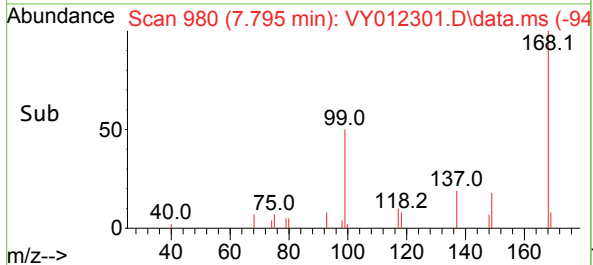
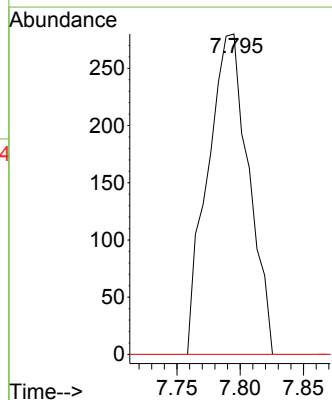
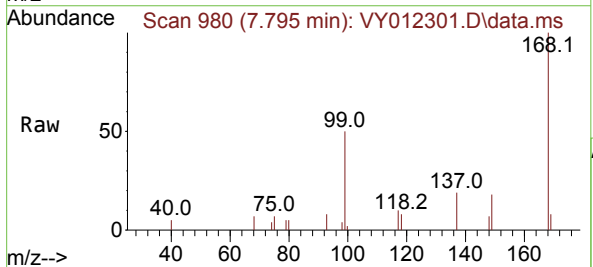
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ClientSampleId :
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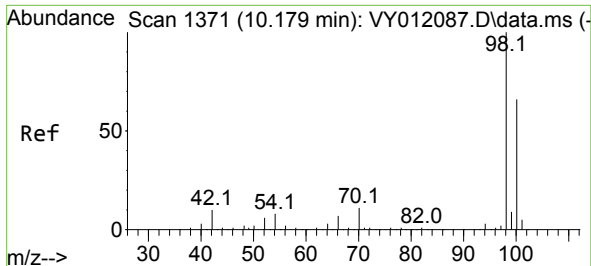
Tgt Ion: 75 Resp: 434
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.1#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.058 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.104 min
Lab File: VY012301.D
Acq: 20 Jan 2023 19:20

Tgt Ion: 117 Resp: 631
Ion Ratio Lower Upper
117 100
119 0.0 73.8 110.8#
121 0.0 25.2 37.8#

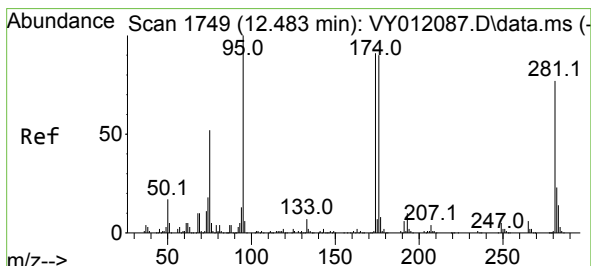
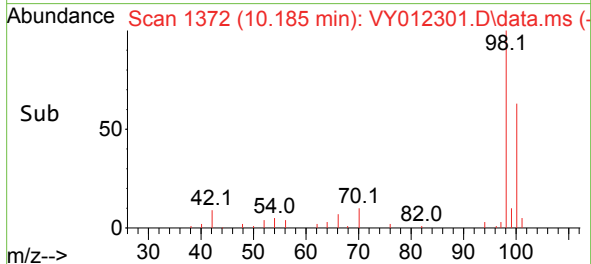
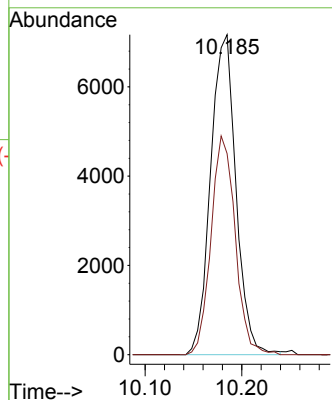
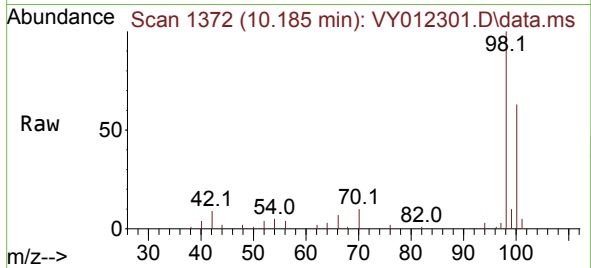




#50
Toluene-d8
Concen: 67.894 ug/l
RT: 10.185 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY012301.D
Acq: 20 Jan 2023 19:20

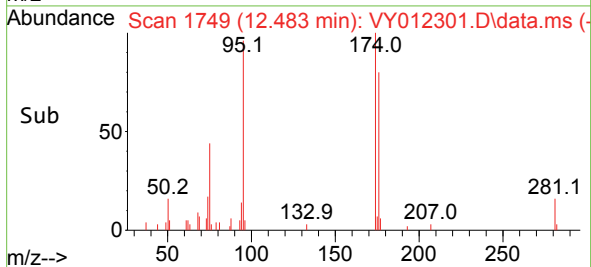
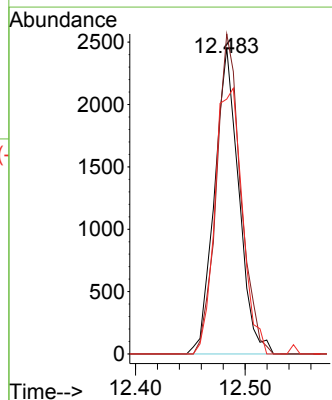
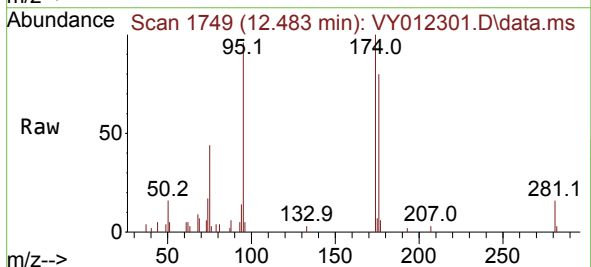
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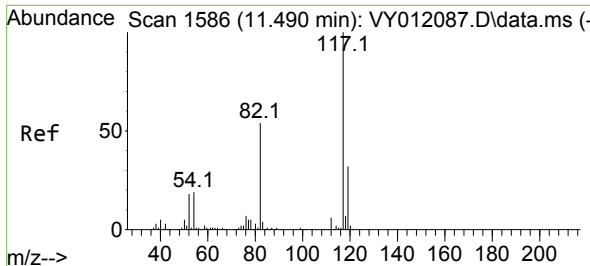
Tgt Ion: 98 Resp: 13065
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 47.290 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012301.D
Acq: 20 Jan 2023 19:20

Tgt Ion: 95 Resp: 3789
Ion Ratio Lower Upper
95 100
174 104.6 0.0 172.0
176 98.0 0.0 167.6

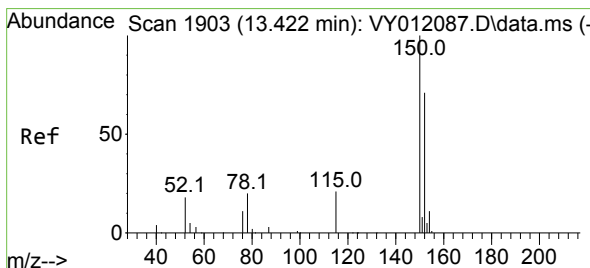
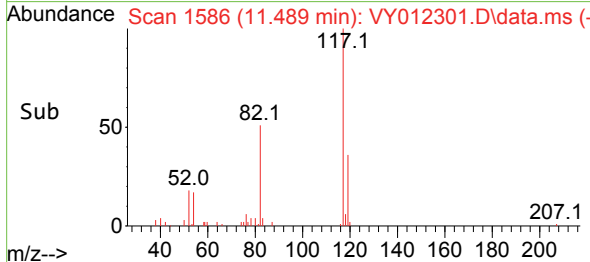
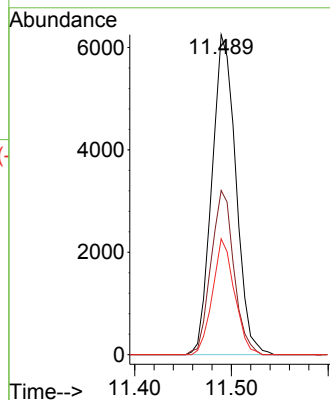
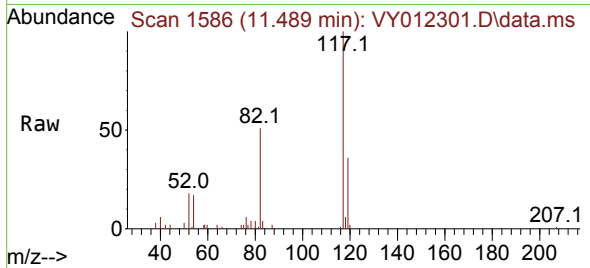




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012301.D
Acq: 20 Jan 2023 19:20

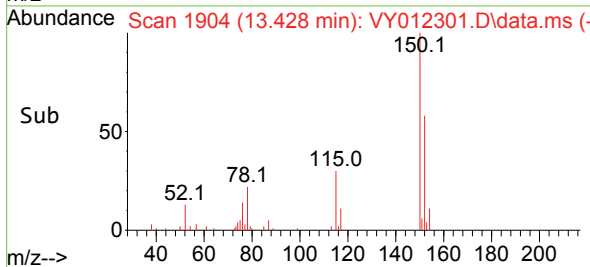
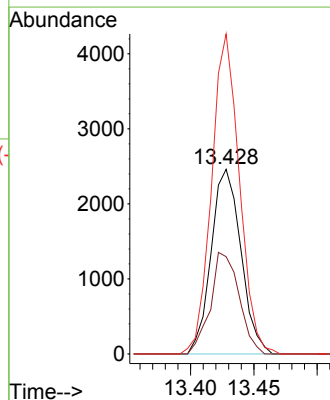
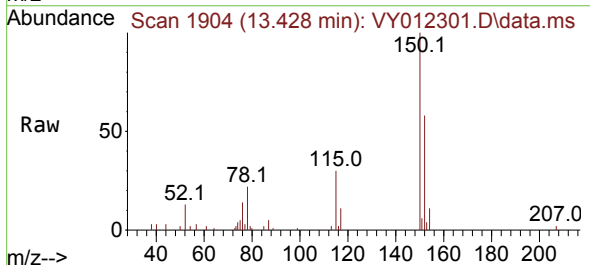
Instrument :
MSVOA_Y
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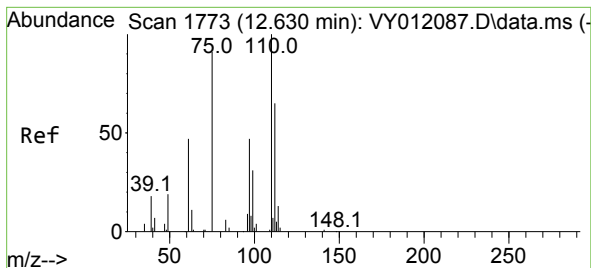
Tgt Ion:117 Resp: 10756
Ion Ratio Lower Upper
117 100
82 51.3 44.8 67.2
119 36.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012301.D
Acq: 20 Jan 2023 19:20

Tgt Ion:152 Resp: 4027
Ion Ratio Lower Upper
152 100
115 52.8 29.1 87.3
150 161.4 0.0 342.6

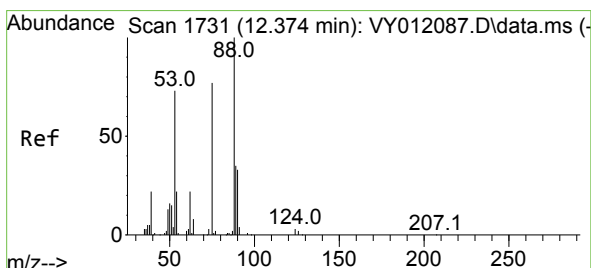
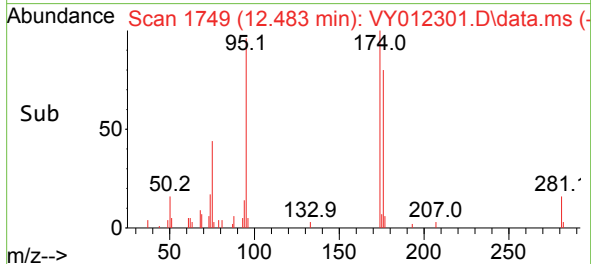
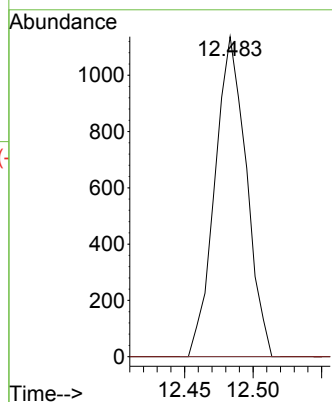
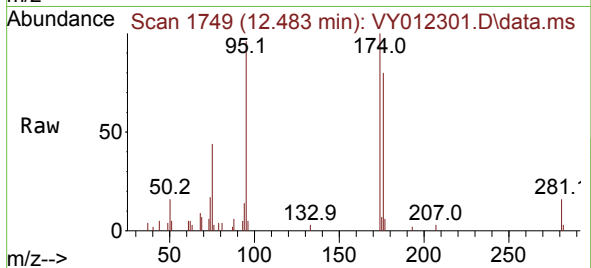




#76
1,2,3-Trichloropropane
Concen: 49.042 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012301.D
Acq: 20 Jan 2023 19:20

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-223

Tgt Ion: 75 Resp: 1816
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 101.047 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012301.D
Acq: 20 Jan 2023 19:20

Tgt Ion: 75 Resp: 1816
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

