

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100323\
 Data File : VY015802.D
 Acq On : 03 Oct 2023 13:46
 Operator : SY/MD
 Sample : 04686-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 03 17:10:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

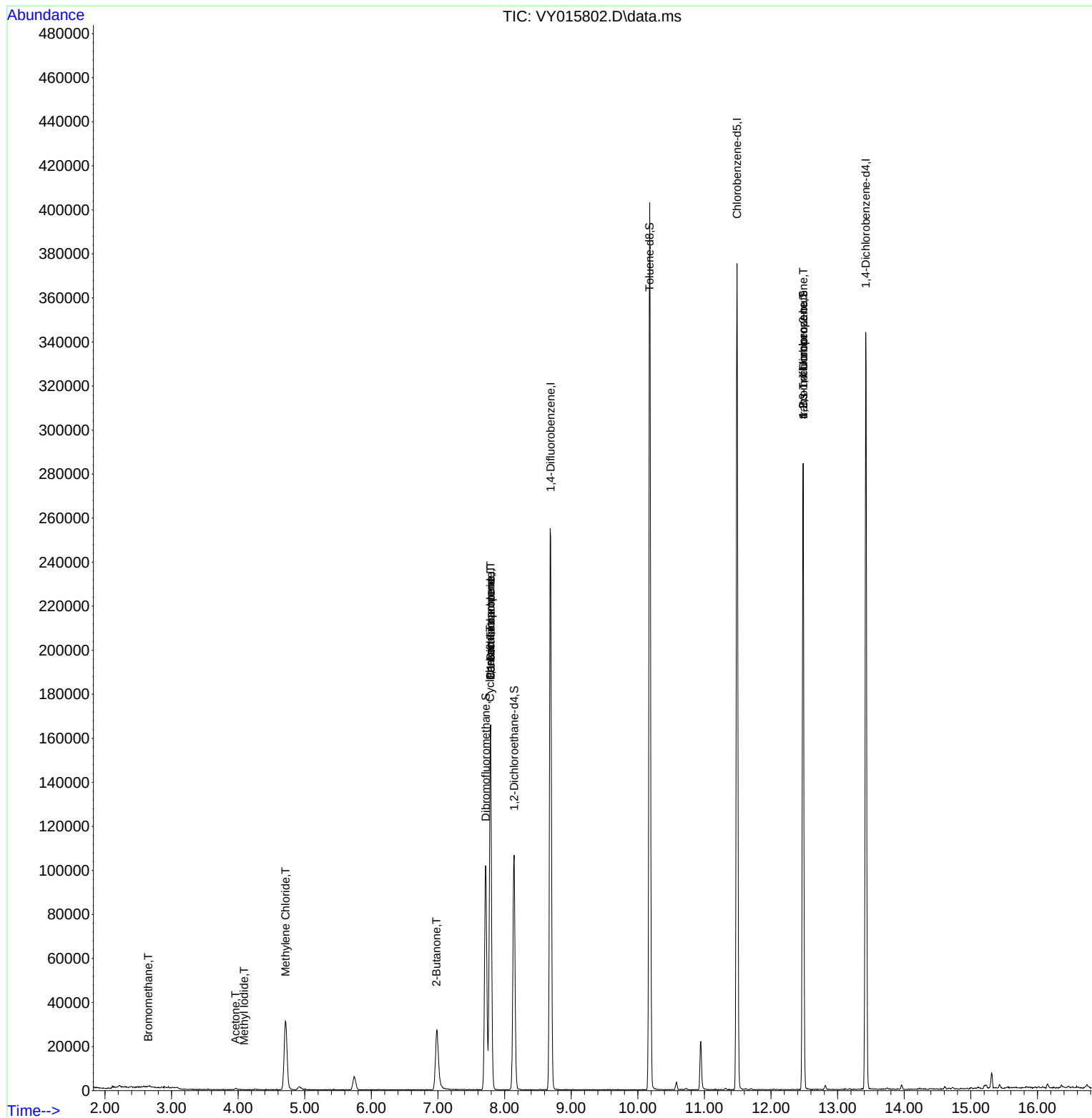
Internal Standards						
1) Pentafluorobenzene	7.789	168	127772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	223057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	203720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	88162	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	82271	58.521	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.040%			
35) Dibromofluoromethane	7.716	113	73517	55.066	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.140%			
50) Toluene-d8	10.179	98	263182	58.139	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 116.280%			
62) 4-Bromofluorobenzene	12.483	95	84717	47.689	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.380%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.650	94	104	2.639	ug/l #	18
10) Methyl Iodide	4.088	142	42	2.755	ug/l #	38
11) Tert butyl alcohol	4.997	59	144	Below Cal	#	89
16) Acetone	3.960	43	1322	1.757	ug/l #	83
20) Methylene Chloride	4.710	84	24447	11.069	ug/l	92
25) 2-Butanone	6.978	43	1601	1.506	ug/l #	85
31) Cyclohexane	7.783	56	2428	1.247	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	10021	5.076	ug/l #	49
38) Carbon Tetrachloride	7.789	117	12303	5.742	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	46388	32.982	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	46388	74.272	ug/l #	10

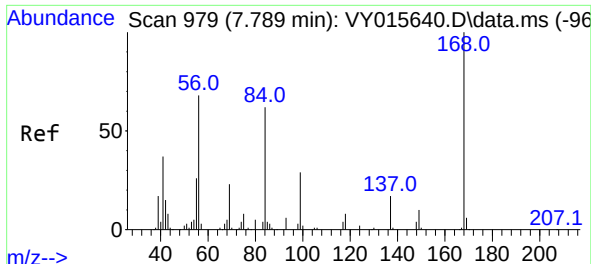
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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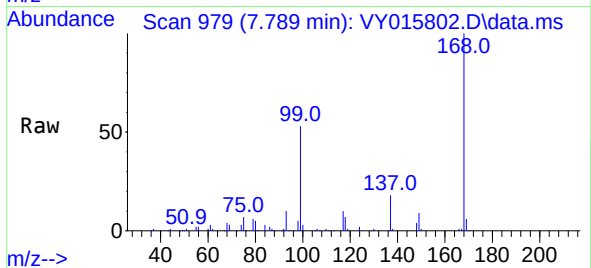
Quant Time: Oct 03 17:10:27 2023
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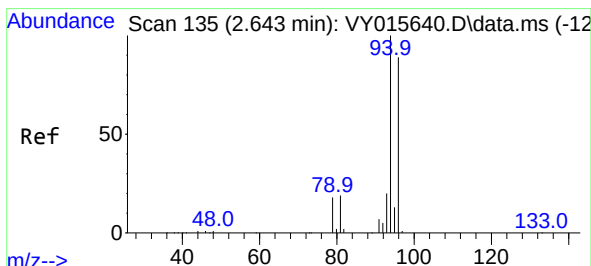
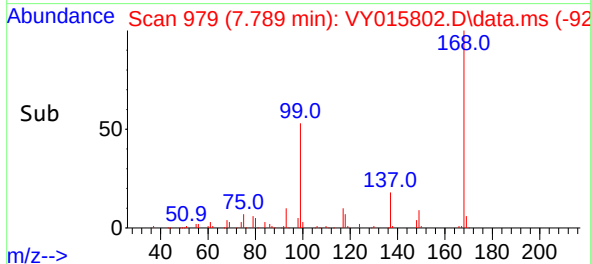
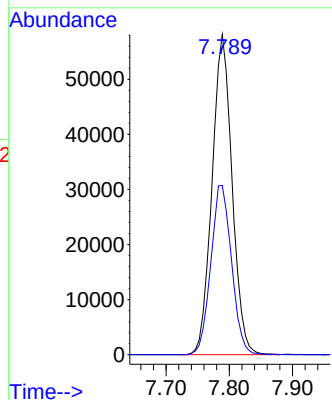


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015802.D
Acq: 03 Oct 2023 13:46

Instrument :
MSVOA_Y
ClientSampleId :

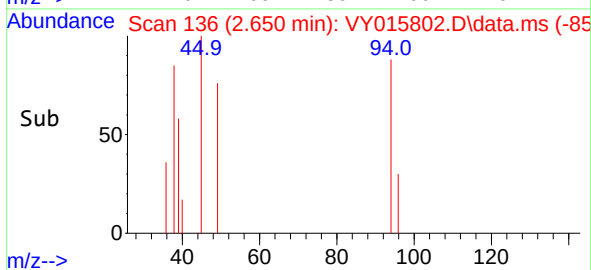
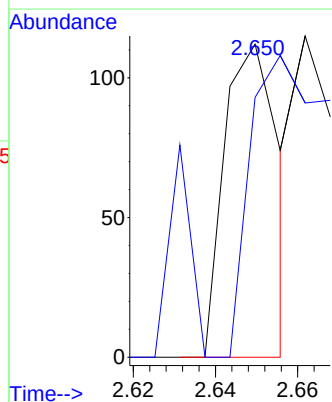
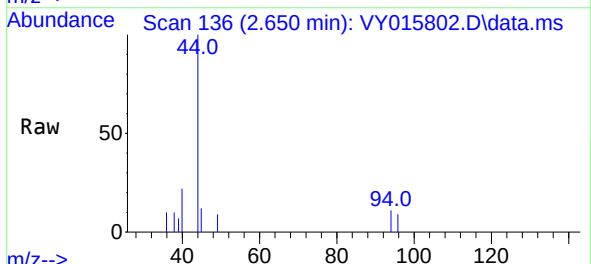


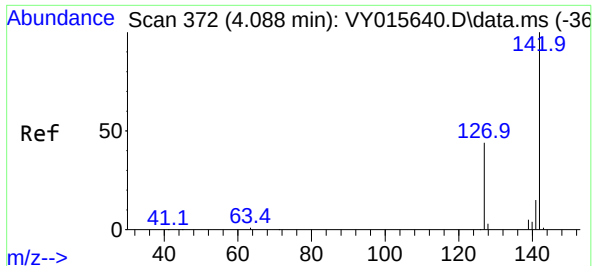
Tgt Ion:168 Resp: 127772
Ion Ratio Lower Upper
168 100
99 52.9 43.4 65.0



#5
Bromomethane
Concen: 2.639 ug/l
RT: 2.650 min Scan# 136
Delta R.T. 0.013 min
Lab File: VY015802.D
Acq: 03 Oct 2023 13:46

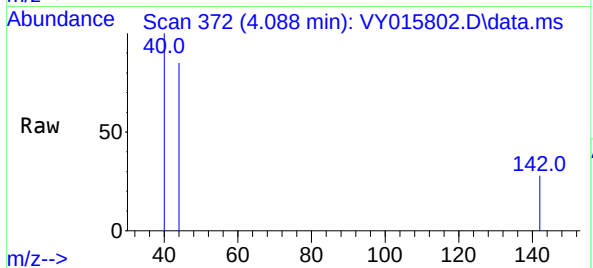
Tgt Ion: 94 Resp: 104
Ion Ratio Lower Upper
94 100
96 15.2 75.8 113.6#



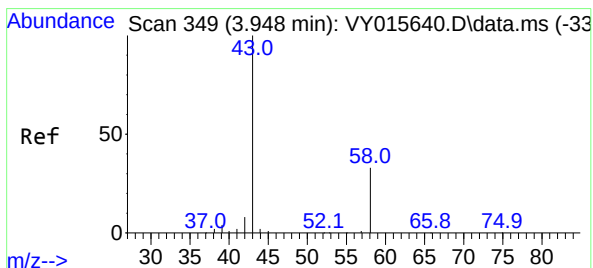
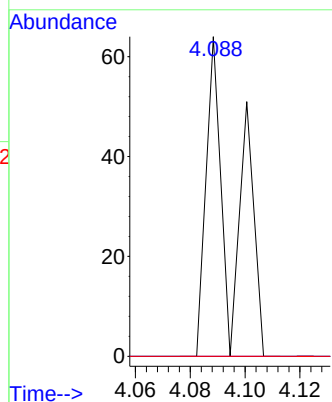
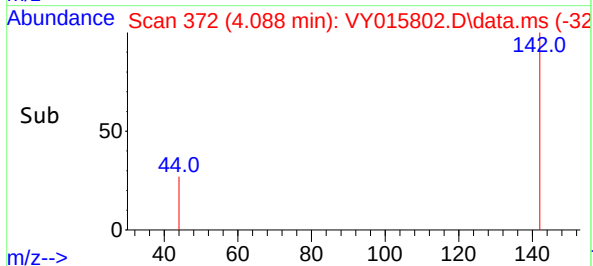


#10
Methyl Iodide
Concen: 2.755 ug/l
RT: 4.088 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY015802.D
Acq: 03 Oct 2023 13:46

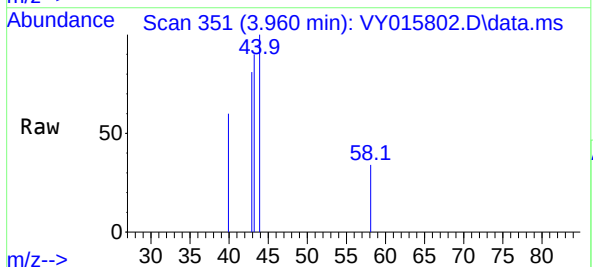
Instrument :
MSVOA_Y
ClientSampleId :



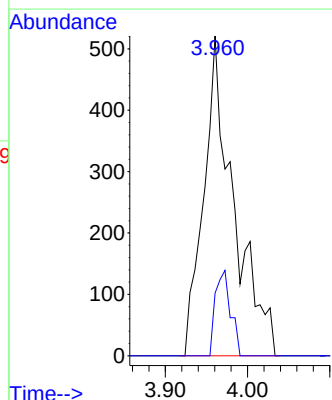
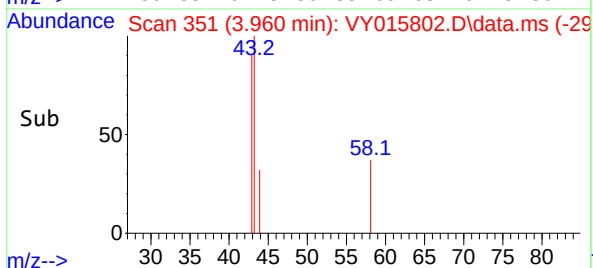
Tgt Ion:142 Resp: 42
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

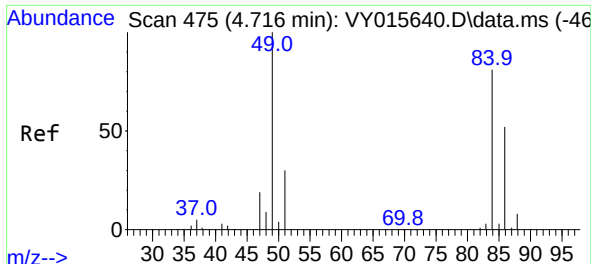


#16
Acetone
Concen: 1.757 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.018 min
Lab File: VY015802.D
Acq: 03 Oct 2023 13:46



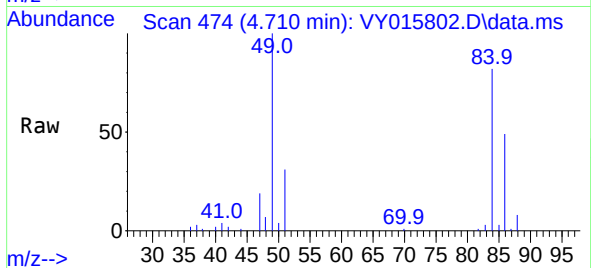
Tgt Ion: 43 Resp: 1322
Ion Ratio Lower Upper
43 100
58 19.6 22.7 34.1#





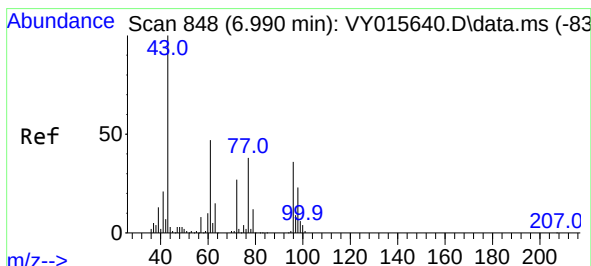
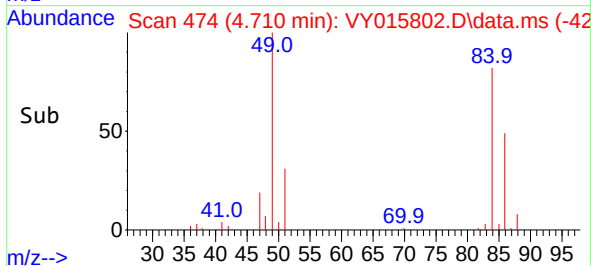
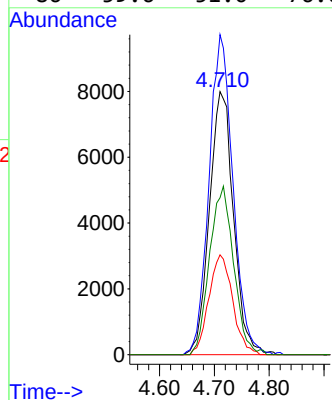
#20
Methylene Chloride
Concen: 11.069 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY015802.D
Acq: 03 Oct 2023 13:46

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 24447

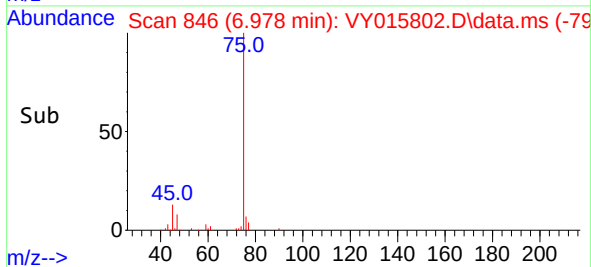
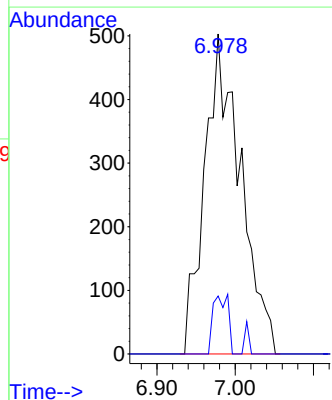
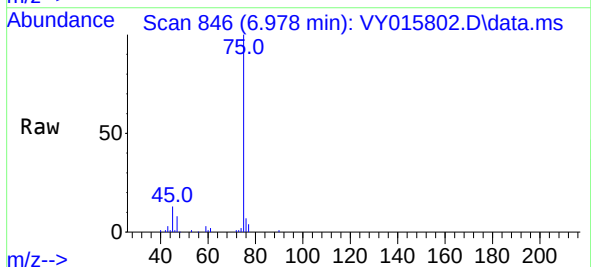
Ion	Ratio	Lower	Upper
84	100		
49	121.6	106.9	160.3
51	37.9	33.2	49.8
86	59.6	51.0	76.6

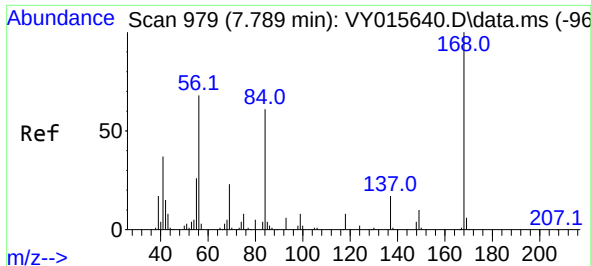


#25
2-Butanone
Concen: 1.506 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY015802.D
Acq: 03 Oct 2023 13:46

Tgt Ion: 43 Resp: 1601

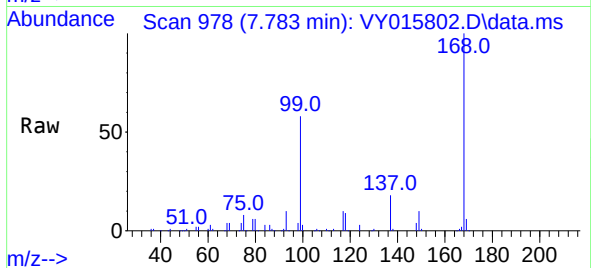
Ion	Ratio	Lower	Upper
43	100		
72	18.1	20.5	30.7#



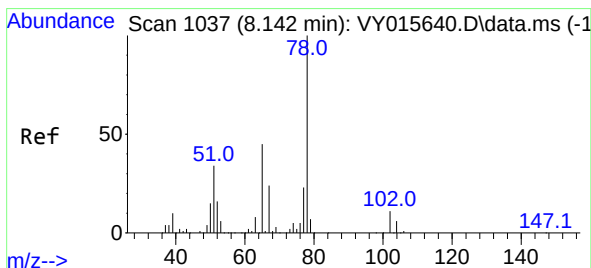
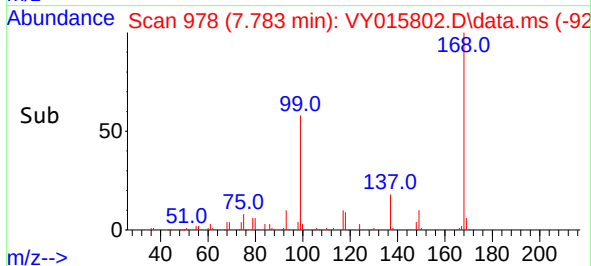
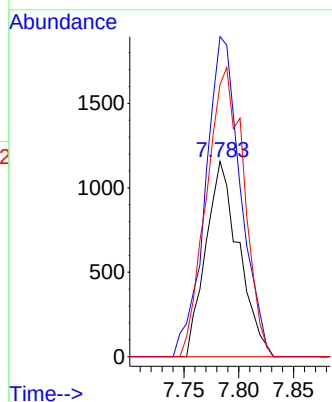


#31
Cyclohexane
Concen: 1.247 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015802.D
Acq: 03 Oct 2023 13:46

Instrument :
MSVOA_Y
ClientSampleId :

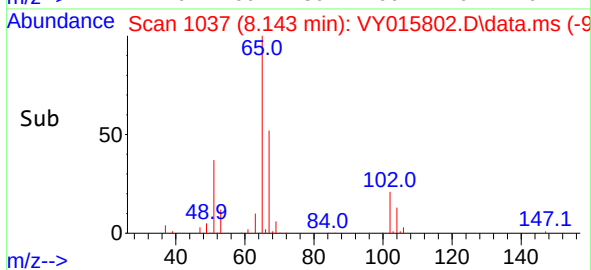
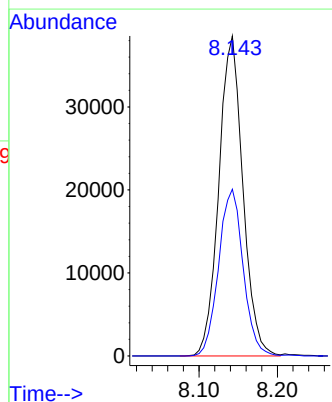
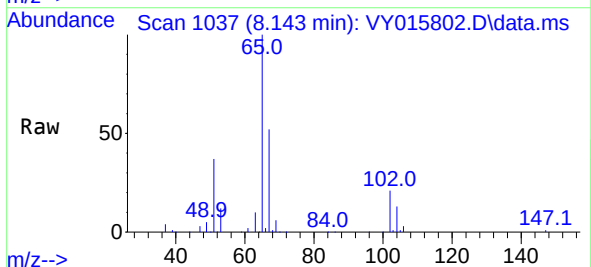


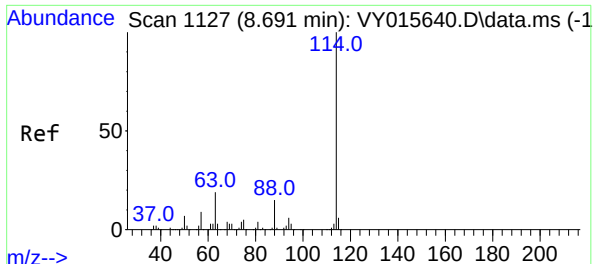
Tgt Ion: 56 Resp: 2428
Ion Ratio Lower Upper
56 100
69 163.9 27.8 41.6#
84 139.4 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 58.521 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY015802.D
Acq: 03 Oct 2023 13:46

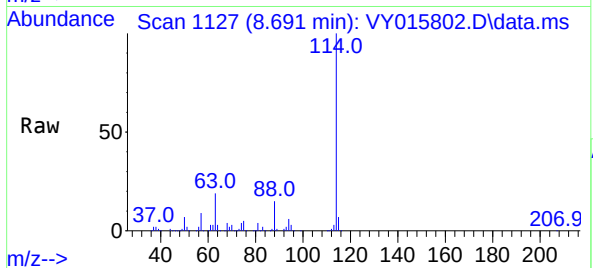
Tgt Ion: 65 Resp: 82271
Ion Ratio Lower Upper
65 100
67 53.1 0.0 101.8



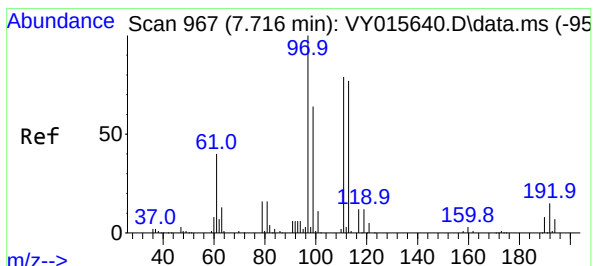
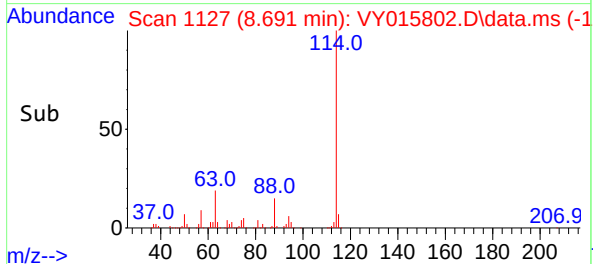
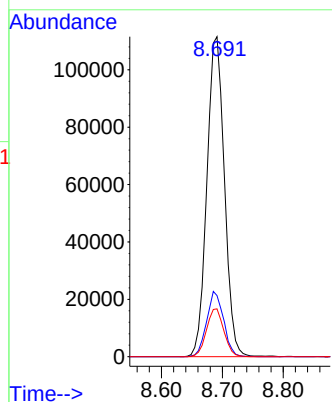


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY015802.D
Acq: 03 Oct 2023 13:46

Instrument :
MSVOA_Y
ClientSampleId :

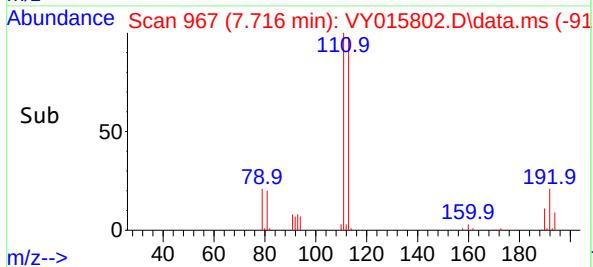
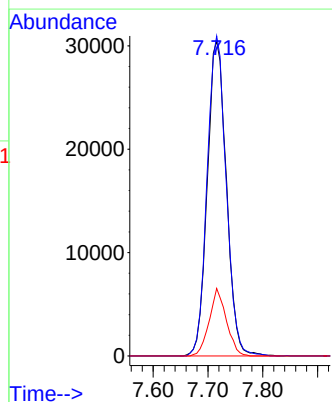
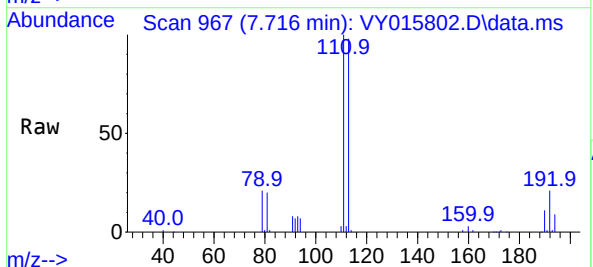


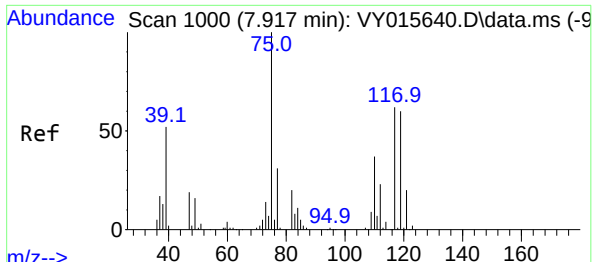
Tgt Ion:114 Resp: 223057
Ion Ratio Lower Upper
114 100
63 19.1 0.0 42.4
88 14.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 55.066 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY015802.D
Acq: 03 Oct 2023 13:46

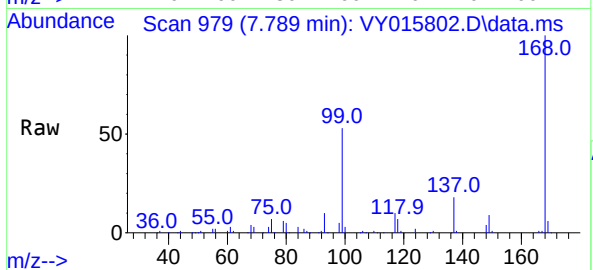
Tgt Ion:113 Resp: 73517
Ion Ratio Lower Upper
113 100
111 101.3 81.3 121.9
192 19.2 16.9 25.3



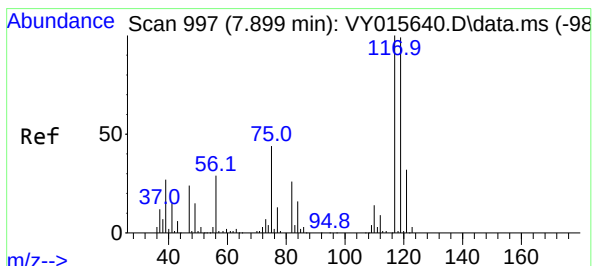
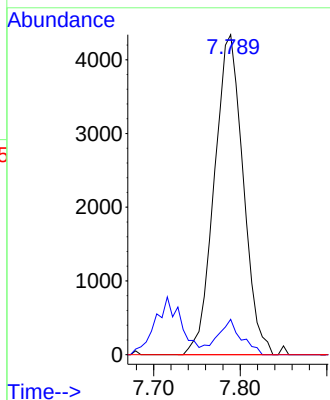
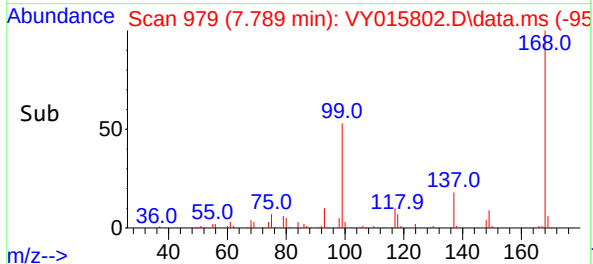


#36
1,1-Dichloropropene
Concen: 5.076 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY015802.D
Acq: 03 Oct 2023 13:46

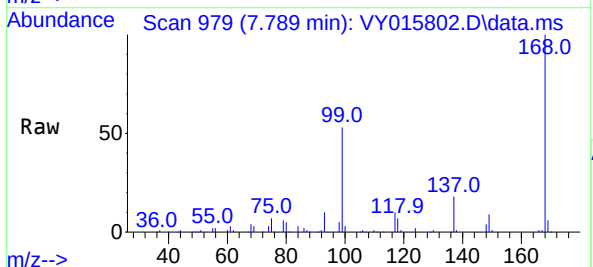
Instrument :
MSVOA_Y
ClientSampleId :



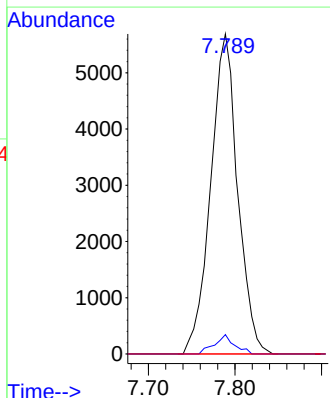
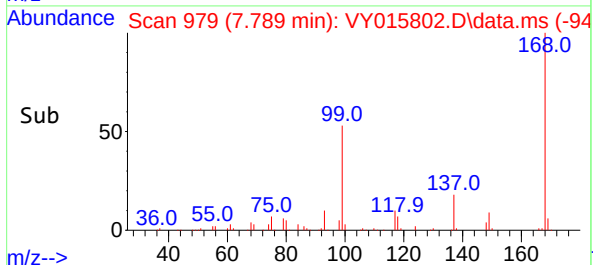
Tgt Ion: 75 Resp: 10021
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.5#
77 0.0 24.4 36.6#

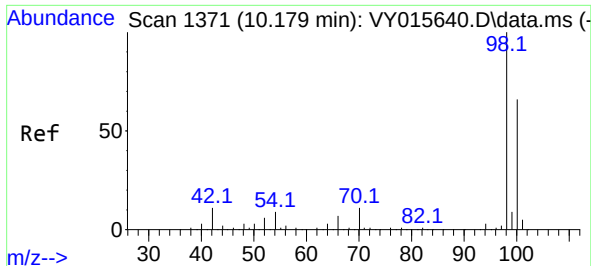


#38
Carbon Tetrachloride
Concen: 5.742 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.104 min
Lab File: VY015802.D
Acq: 03 Oct 2023 13:46



Tgt Ion: 117 Resp: 12303
Ion Ratio Lower Upper
117 100
119 6.0 76.4 114.6#
121 0.0 25.8 38.6#

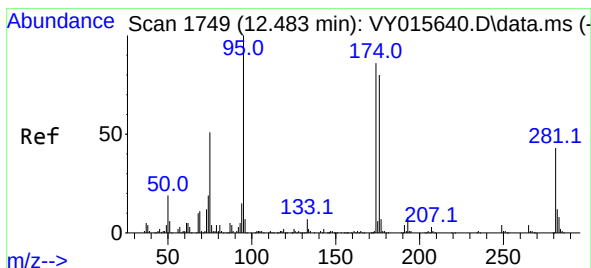
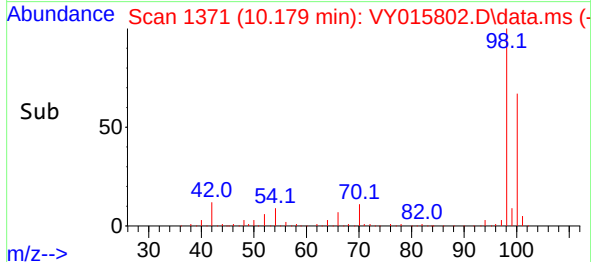
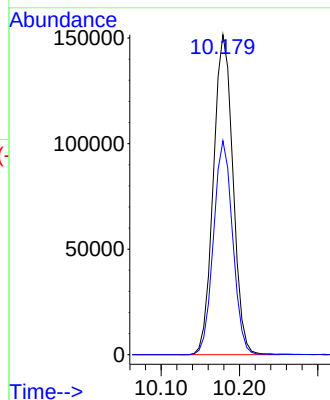
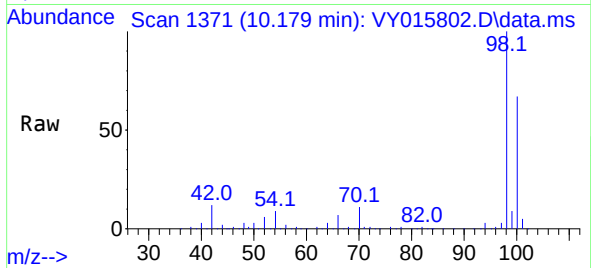




#50
Toluene-d8
Concen: 58.139 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015802.D
Acq: 03 Oct 2023 13:46

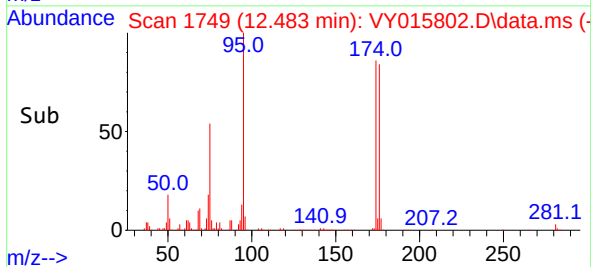
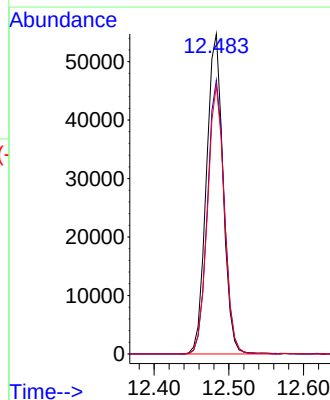
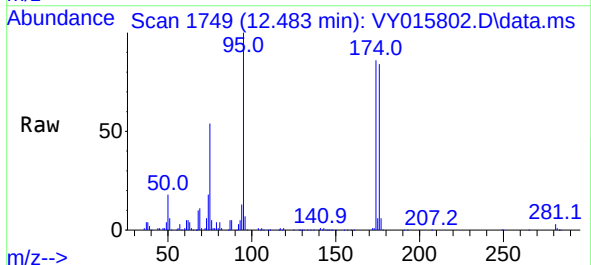
Instrument :
MSVOA_Y
ClientSampleId :

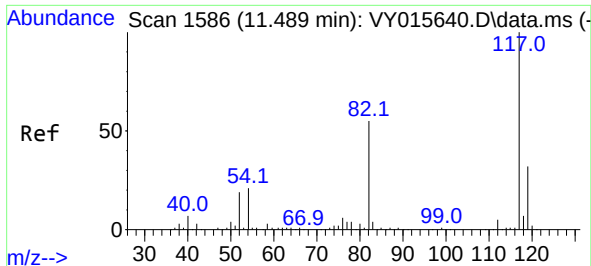
Tgt Ion: 98 Resp: 263182
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 47.689 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015802.D
Acq: 03 Oct 2023 13:46

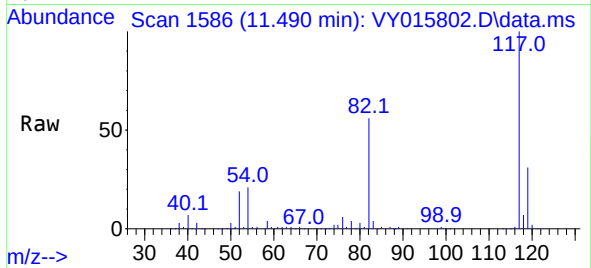
Tgt Ion: 95 Resp: 84717
Ion Ratio Lower Upper
95 100
174 86.4 0.0 178.2
176 84.3 0.0 173.8



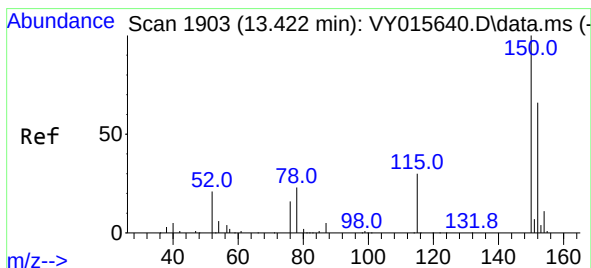
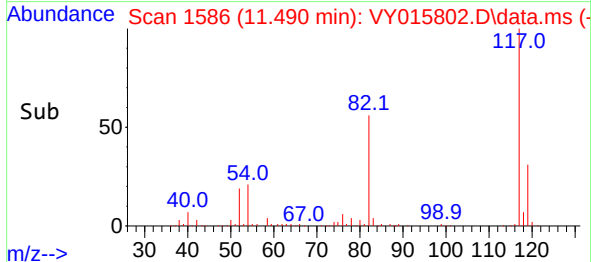
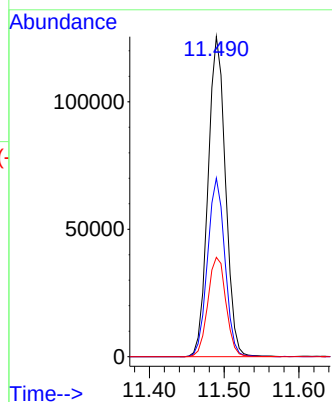


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY015802.D
Acq: 03 Oct 2023 13:46

Instrument :
MSVOA_Y
ClientSampleId :

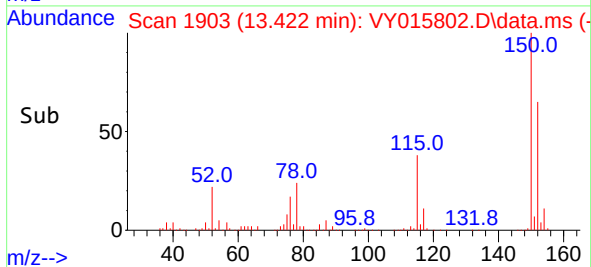
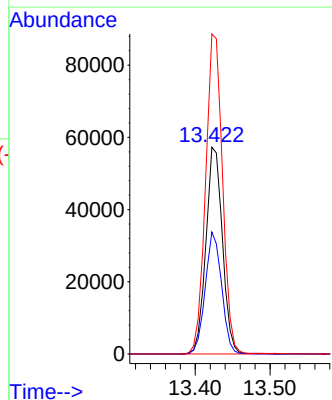
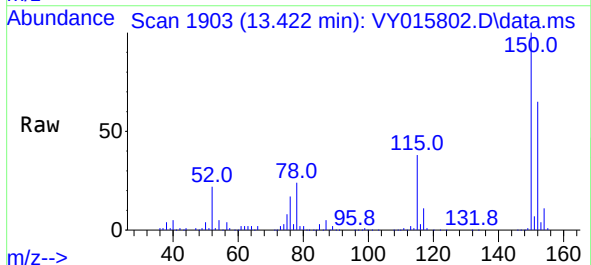


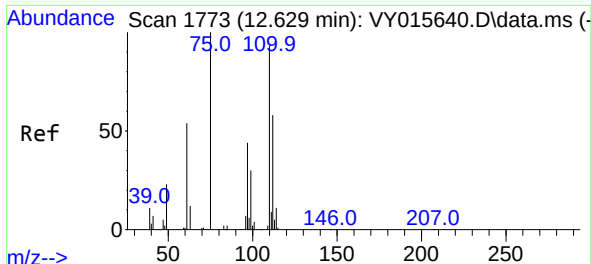
Tgt Ion:117 Resp: 203720
Ion Ratio Lower Upper
117 100
82 55.8 43.4 65.0
119 31.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015802.D
Acq: 03 Oct 2023 13:46

Tgt Ion:152 Resp: 88162
Ion Ratio Lower Upper
152 100
115 58.2 28.8 86.5
150 157.7 0.0 348.8

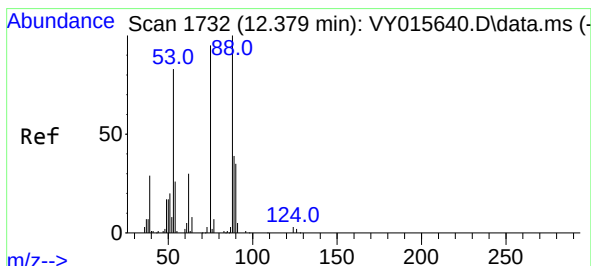
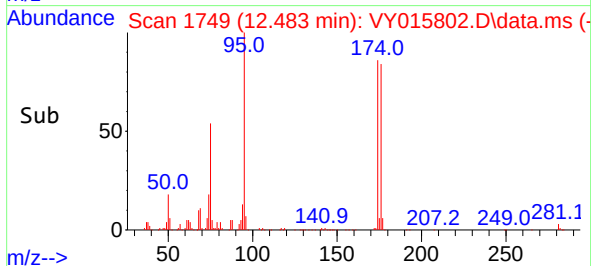
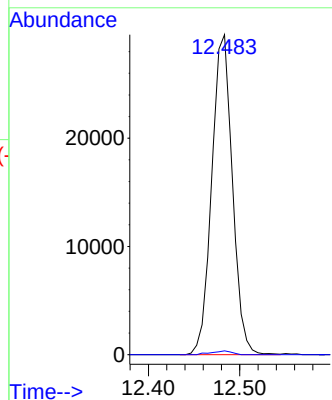
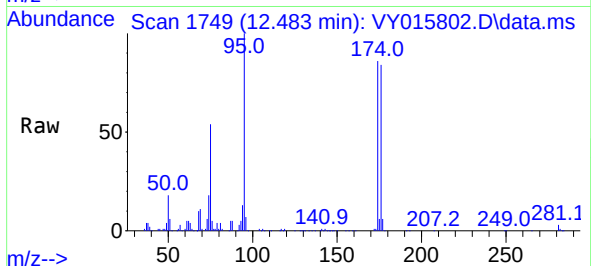




#76
1,2,3-Trichloropropane
Concen: 32.982 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015802.D
Acq: 03 Oct 2023 13:46

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 46388
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.272 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY015802.D
Acq: 03 Oct 2023 13:46

Tgt Ion: 75 Resp: 46388
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

