

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
 Data File : VY014646.D
 Acq On : 14 Jul 2023 14:39
 Operator : SY/MD
 Sample : 03615-06
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-204

Quant Time: Jul 14 23:10:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

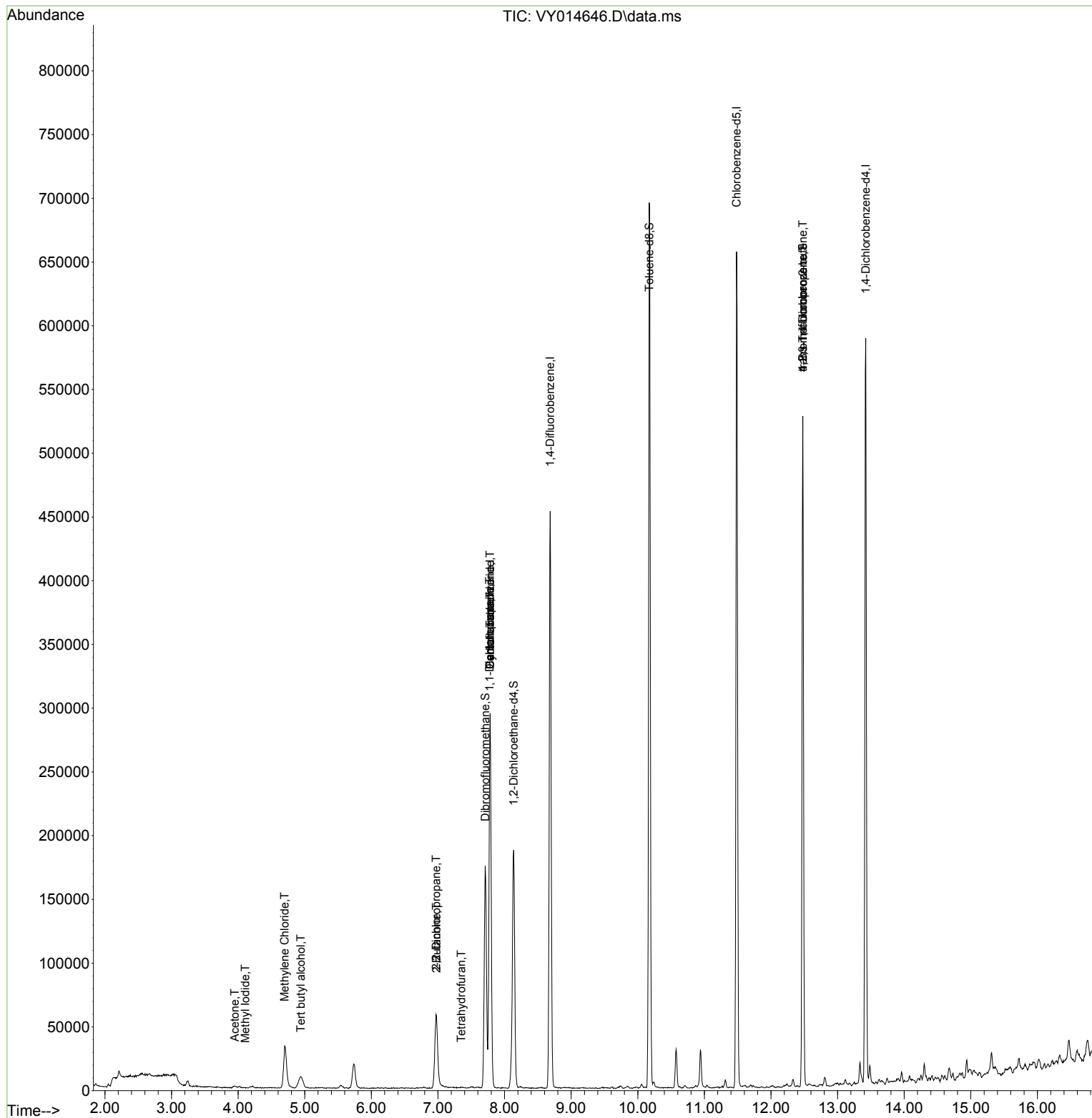
Internal Standards						
1) Pentafluorobenzene	7.783	168	227354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	394077	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	356912	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	155170	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	141504	54.618	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.240%	
35) Dibromofluoromethane	7.710	113	124744	49.727	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.460%	
50) Toluene-d8	10.173	98	461722	49.923	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.840%	
62) 4-Bromofluorobenzene	12.477	95	166780	47.029	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.060%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.107	142	294	2.480	ug/l #	38
11) Tert butyl alcohol	4.942	59	19733	24.687	ug/l #	96
16) Acetone	3.948	43	2212	2.694	ug/l	91
20) Methylene Chloride	4.698	84	24808	5.547	ug/l	89
25) 2-Butanone	6.978	43	3462	2.882	ug/l #	75
26) 2,2-Dichloropropane	6.972	77	4761	1.080	ug/l #	54
29) Tetrahydrofuran	7.350	42	860	1.163	ug/l #	62
31) Cyclohexane	7.783	56	5143	1.196	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	17119	4.563	ug/l #	50
38) Carbon Tetrachloride	7.783	117	22418	5.653	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	84580	43.158	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	84580	83.563	ug/l #	11

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

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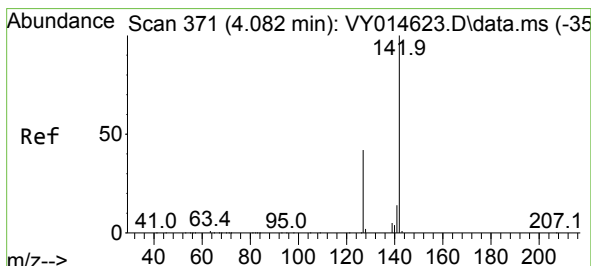
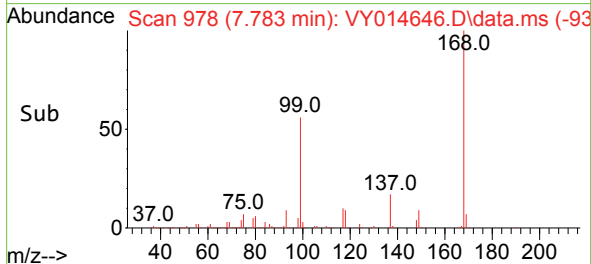
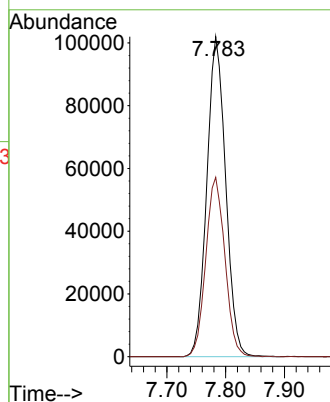
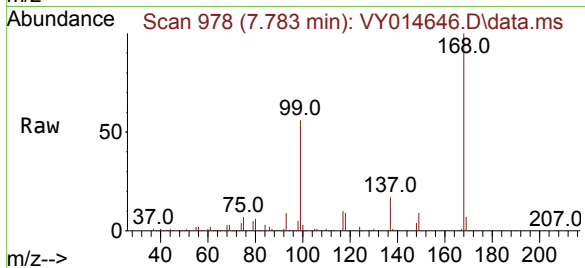




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014646.D
Acq: 14 Jul 2023 14:39

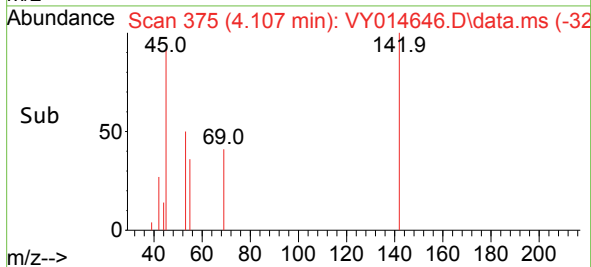
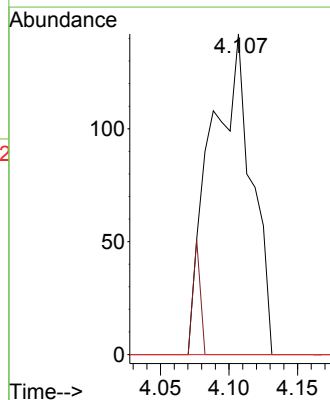
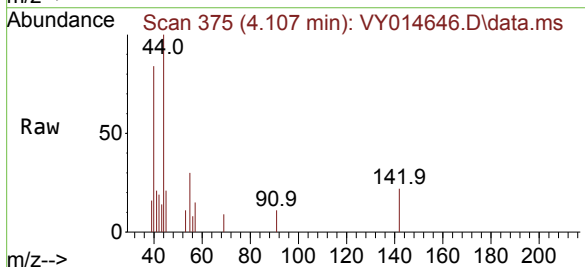
Instrument :
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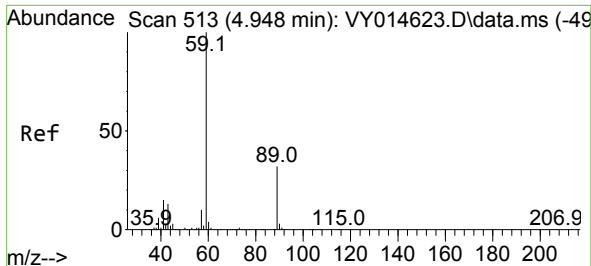
Tgt Ion:168 Resp: 227354
Ion Ratio Lower Upper
168 100
99 56.1 43.4 65.0



#10
Methyl Iodide
Concen: 2.480 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.025 min
Lab File: VY014646.D
Acq: 14 Jul 2023 14:39

Tgt Ion:142 Resp: 294
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

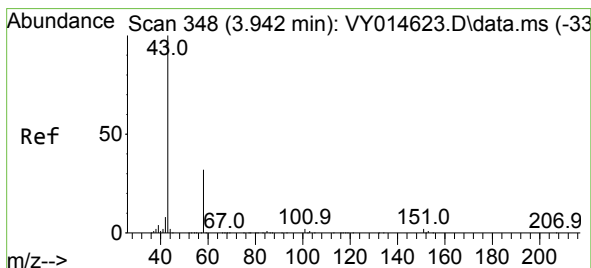
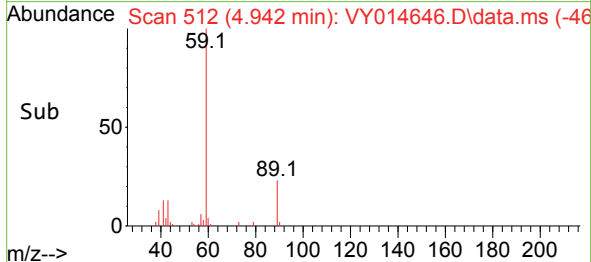
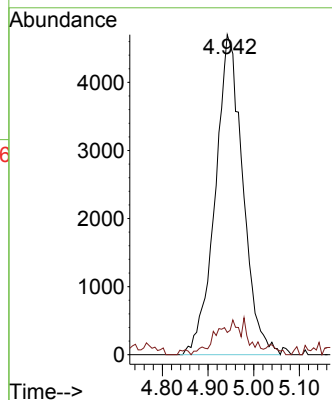
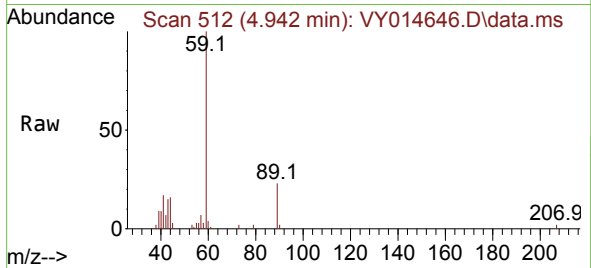




#11
Tert butyl alcohol
Concen: 24.687 ug/l
RT: 4.942 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY014646.D
Acq: 14 Jul 2023 14:39

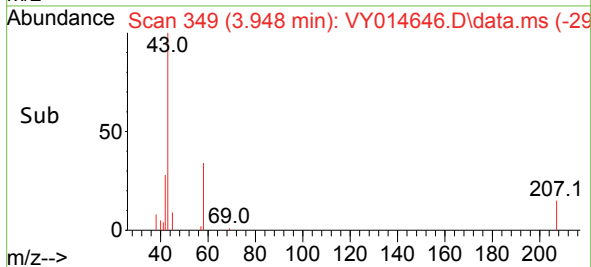
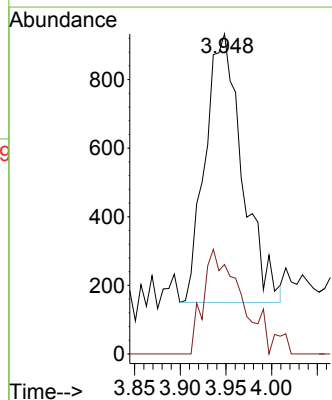
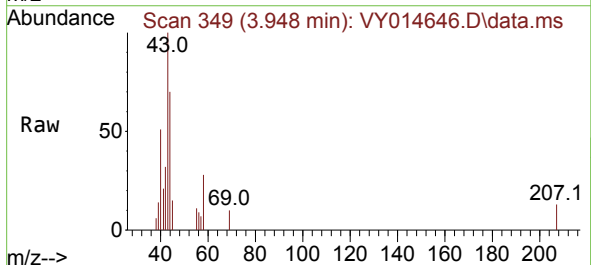
Instrument :
MSVOA_Y
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VNJ-204

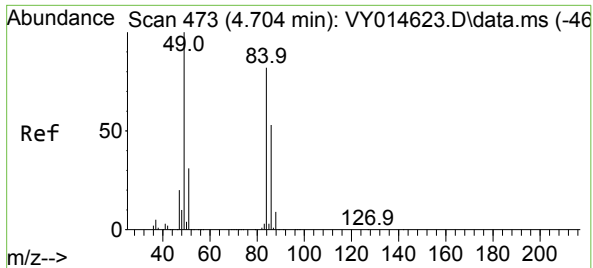
Tgt Ion: 59 Resp: 19733
Ion Ratio Lower Upper
59 100
57 5.1 3.0 4.4#



#16
Acetone
Concen: 2.694 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY014646.D
Acq: 14 Jul 2023 14:39

Tgt Ion: 43 Resp: 2212
Ion Ratio Lower Upper
43 100
58 33.3 22.7 34.1

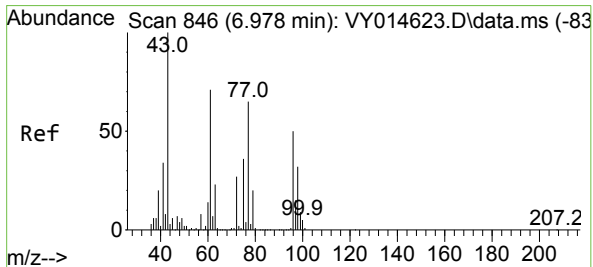
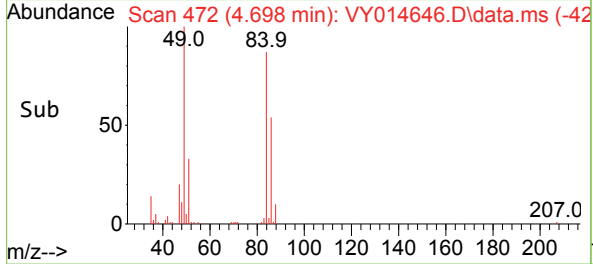
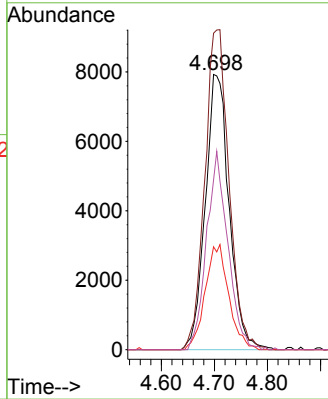
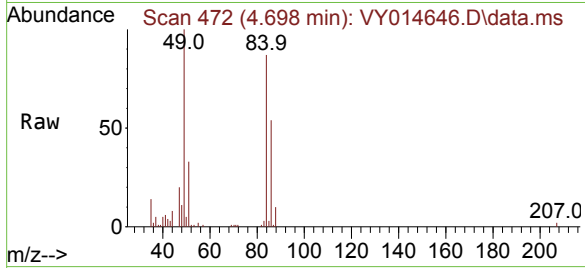




#20
Methylene Chloride
Concen: 5.547 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY014646.D
Acq: 14 Jul 2023 14:39

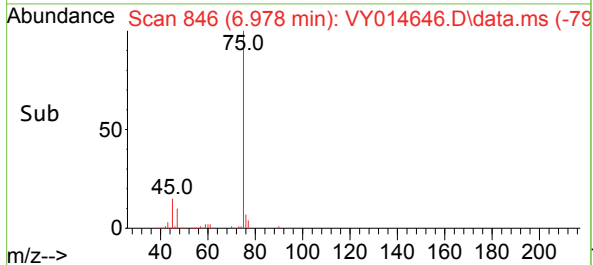
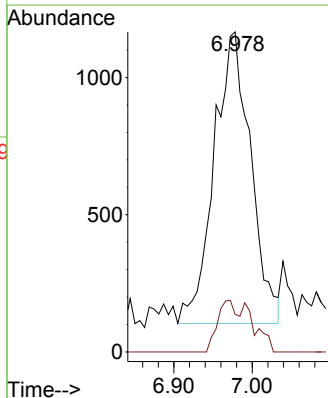
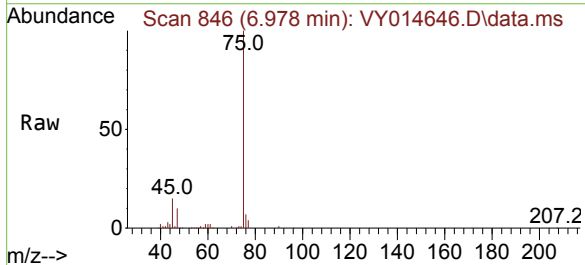
Instrument :
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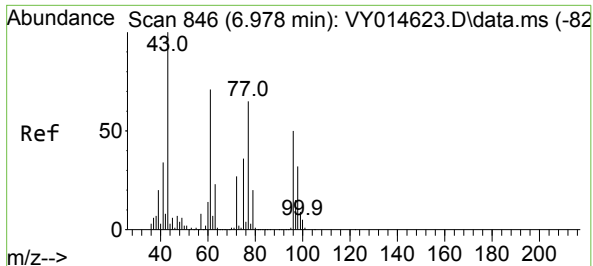
Tgt Ion:	84	Resp:	24808
Ion	Ratio	Lower	Upper
84	100		
49	115.0	106.9	160.3
51	37.4	33.2	49.8
86	61.7	51.0	76.6



#25
2-Butanone
Concen: 2.882 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014646.D
Acq: 14 Jul 2023 14:39

Tgt Ion:	43	Resp:	3462
Ion	Ratio	Lower	Upper
43	100		
72	12.9	20.5	30.7#

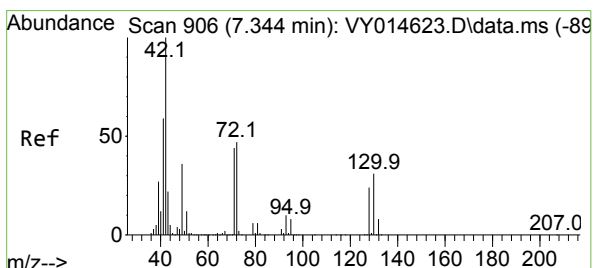
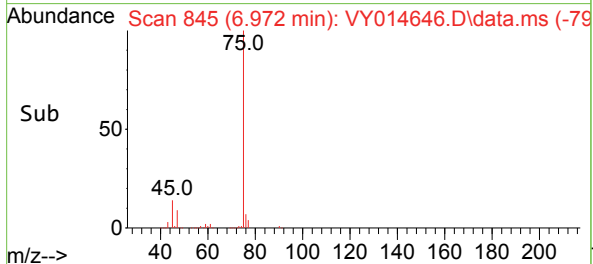
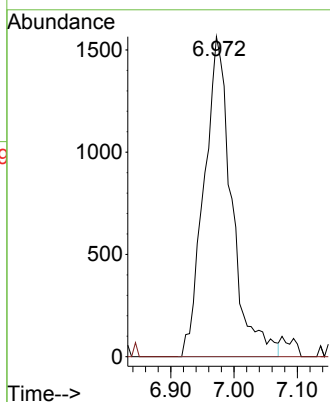
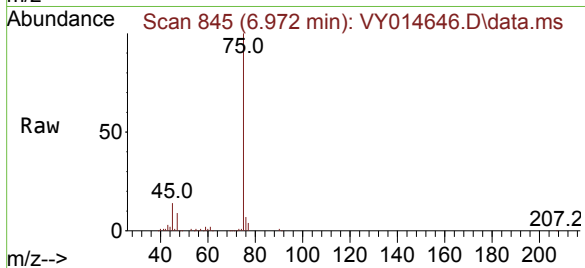




#26
2,2-Dichloropropane
Concen: 1.080 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY014646.D
Acq: 14 Jul 2023 14:39

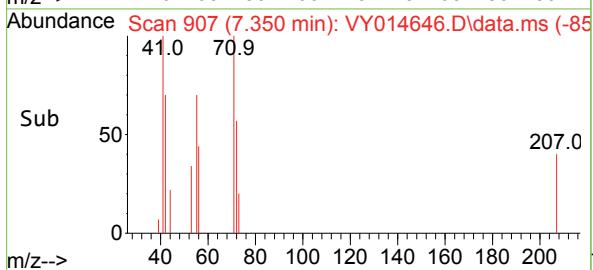
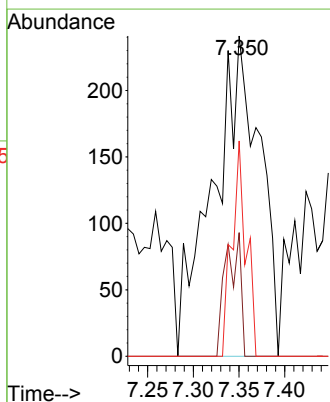
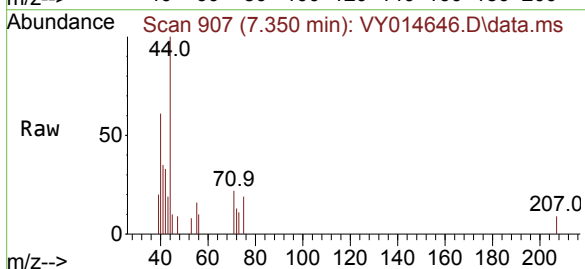
Instrument :
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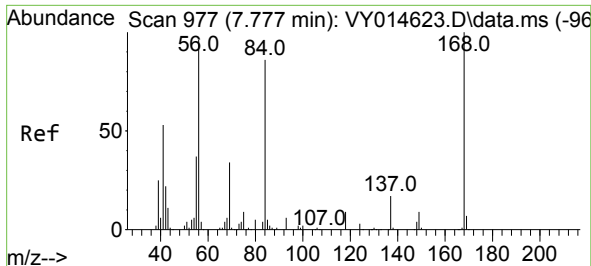
Tgt Ion: 77 Resp: 4761
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#29
Tetrahydrofuran
Concen: 1.163 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY014646.D
Acq: 14 Jul 2023 14:39

Tgt Ion: 42 Resp: 860
Ion Ratio Lower Upper
42 100
72 12.2 32.8 49.2#
71 20.6 31.0 46.4#

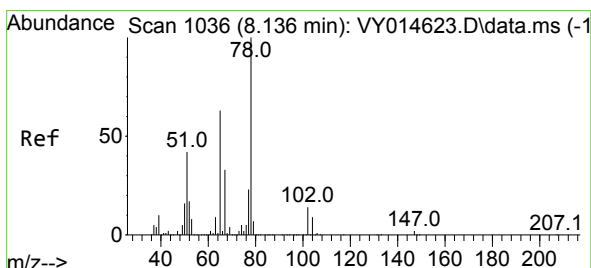
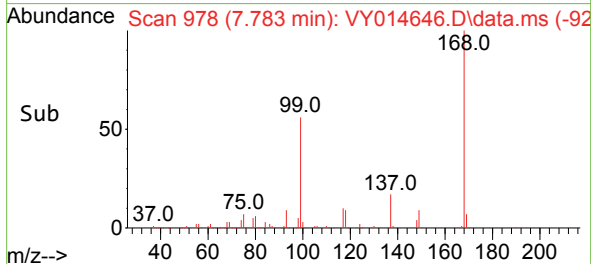
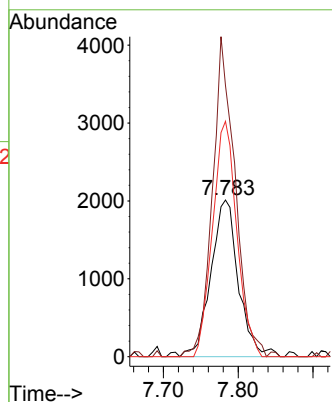
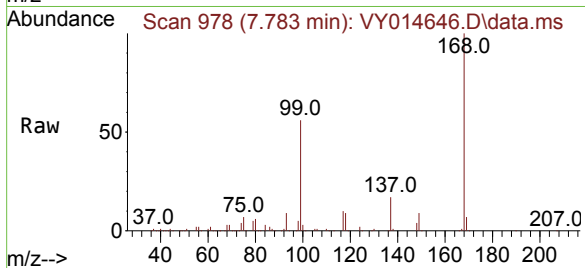




#31
Cyclohexane
Concen: 1.196 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014646.D
Acq: 14 Jul 2023 14:39

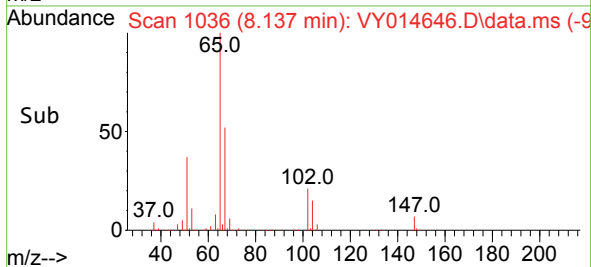
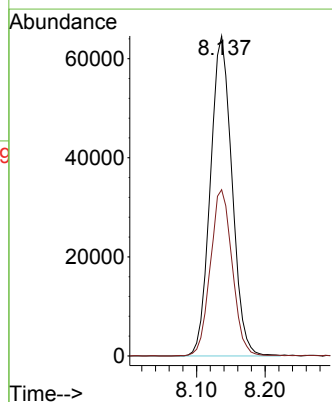
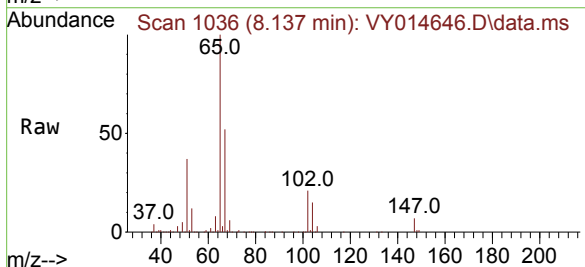
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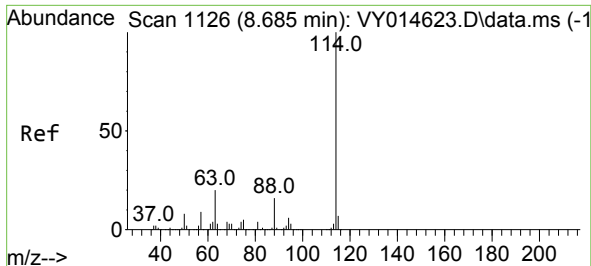
Tgt Ion: 56 Resp: 5143
Ion Ratio Lower Upper
56 100
69 173.1 27.8 41.6#
84 150.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.618 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY014646.D
Acq: 14 Jul 2023 14:39

Tgt Ion: 65 Resp: 141504
Ion Ratio Lower Upper
65 100
67 52.7 0.0 101.8

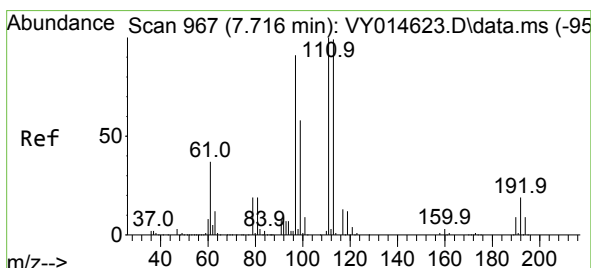
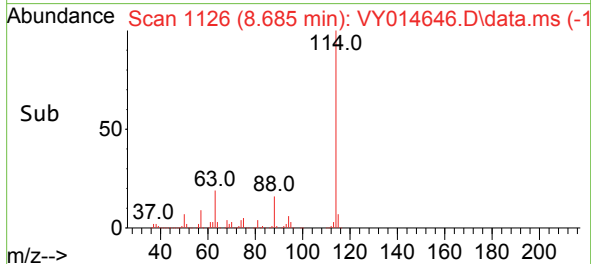
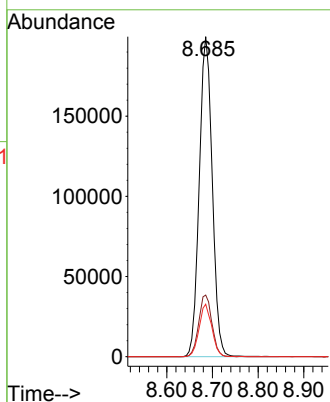
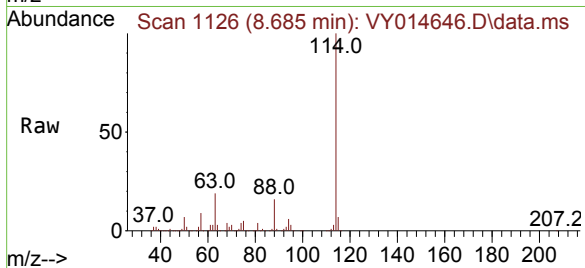




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014646.D
Acq: 14 Jul 2023 14:39

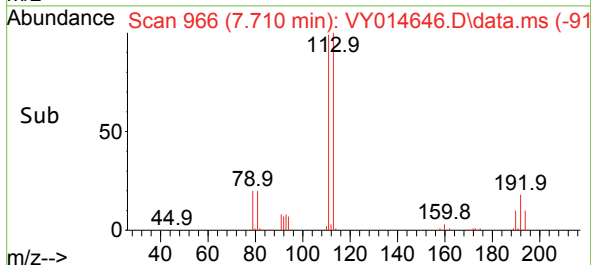
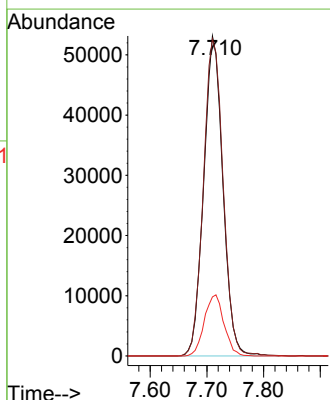
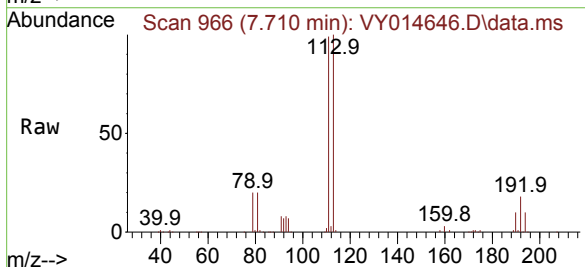
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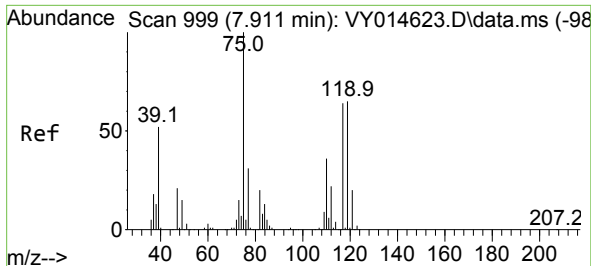
Tgt Ion:114 Resp: 394077
Ion Ratio Lower Upper
114 100
63 19.2 0.0 42.4
88 16.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.727 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY014646.D
Acq: 14 Jul 2023 14:39

Tgt Ion:113 Resp: 124744
Ion Ratio Lower Upper
113 100
111 102.1 81.3 121.9
192 19.6 16.9 25.3

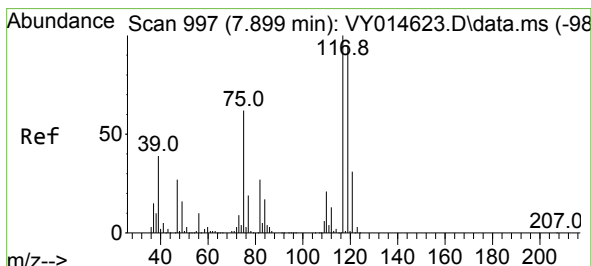
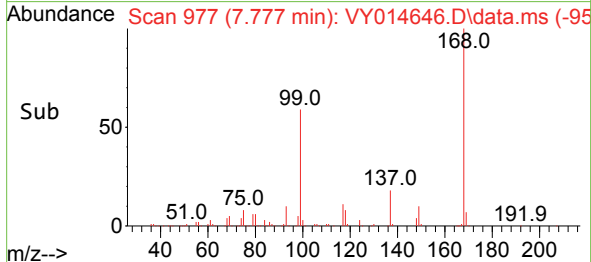
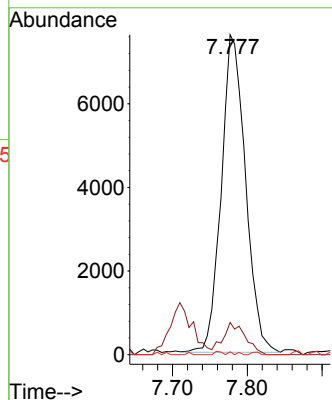
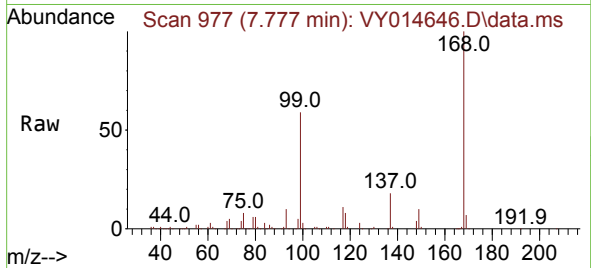




#36
1,1-Dichloropropene
Concen: 4.563 ug/l
RT: 7.777 min Scan# 911
Delta R.T. -0.134 min
Lab File: VY014646.D
Acq: 14 Jul 2023 14:39

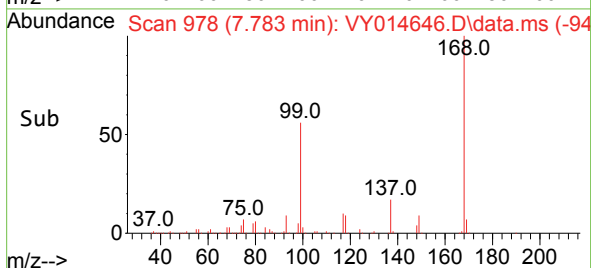
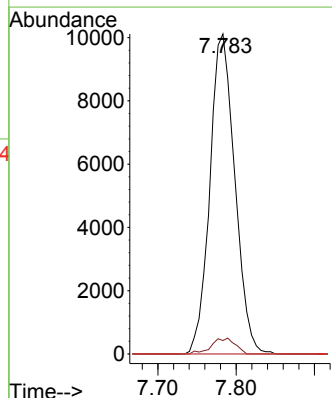
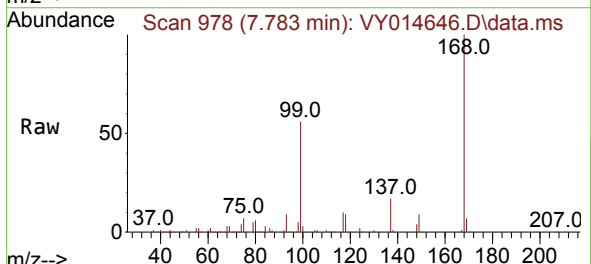
Instrument :
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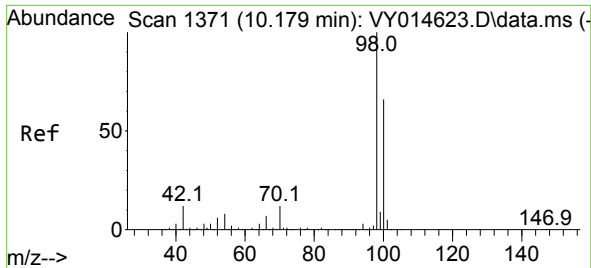
Tgt Ion: 75 Resp: 17119
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.3 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.653 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY014646.D
Acq: 14 Jul 2023 14:39

Tgt Ion: 117 Resp: 22418
Ion Ratio Lower Upper
117 100
119 4.2 76.4 114.6#
121 0.0 25.8 38.6#

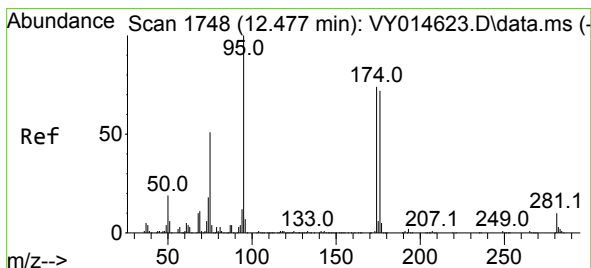
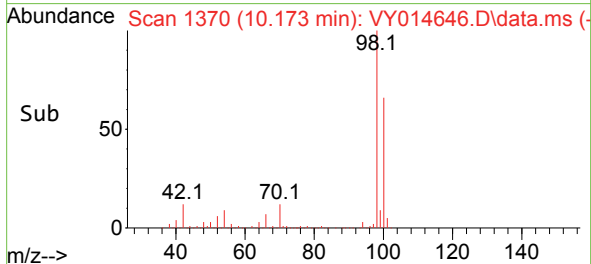
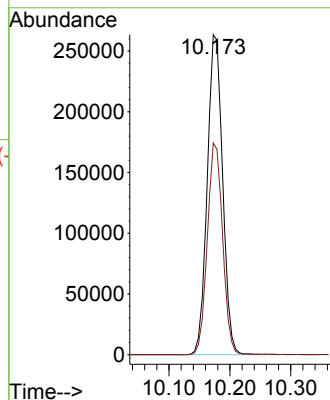
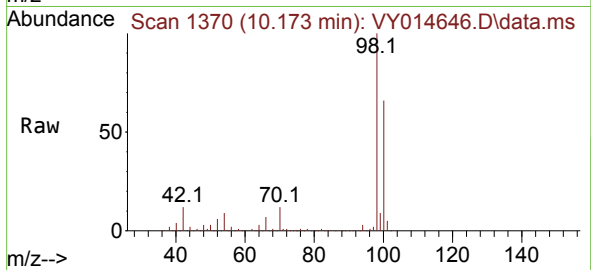




#50
Toluene-d8
Concen: 49.923 ug/l
RT: 10.173 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY014646.D
Acq: 14 Jul 2023 14:39

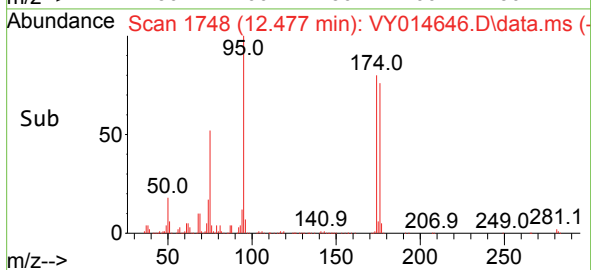
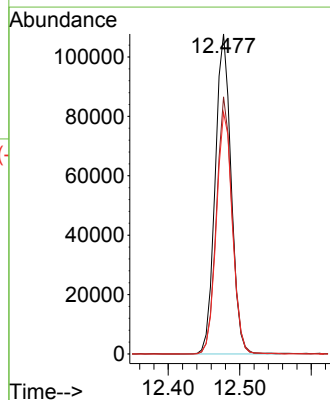
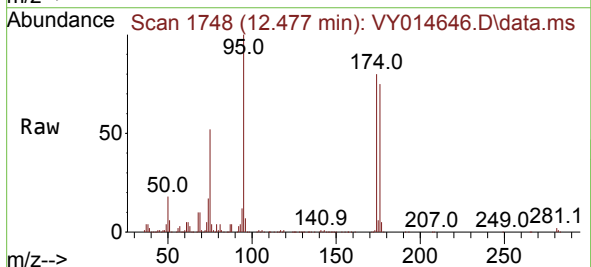
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-204

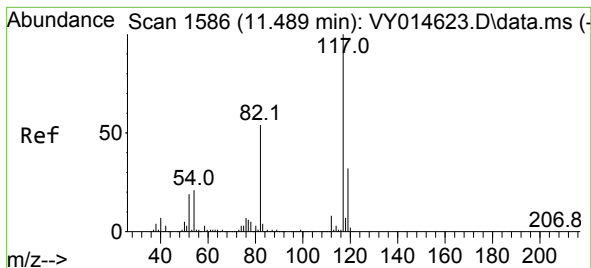
Tgt Ion: 98 Resp: 461722
Ion Ratio Lower Upper
98 100
100 65.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 47.029 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014646.D
Acq: 14 Jul 2023 14:39

Tgt Ion: 95 Resp: 166780
Ion Ratio Lower Upper
95 100
174 79.2 0.0 178.2
176 75.8 0.0 173.8

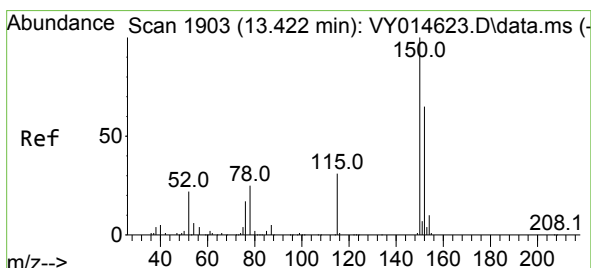
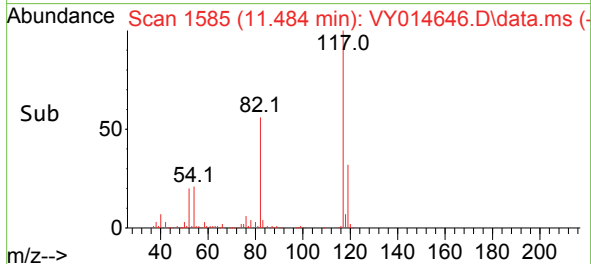
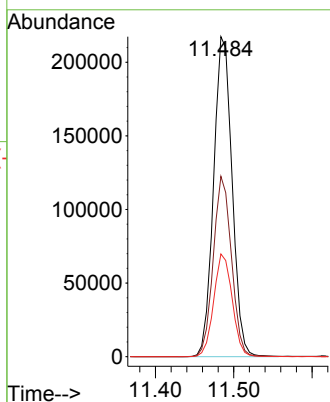
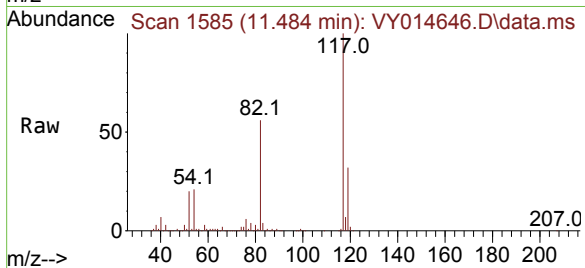




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.484 min Scan# 117
Delta R.T. -0.005 min
Lab File: VY014646.D
Acq: 14 Jul 2023 14:39

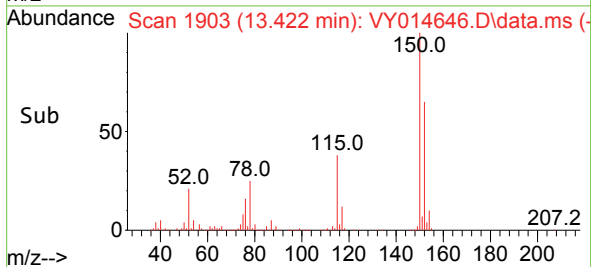
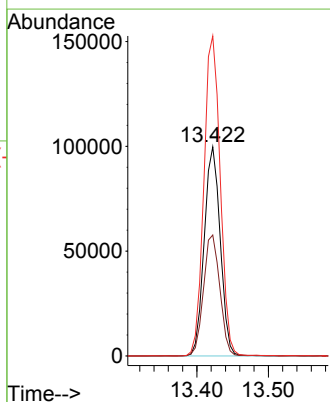
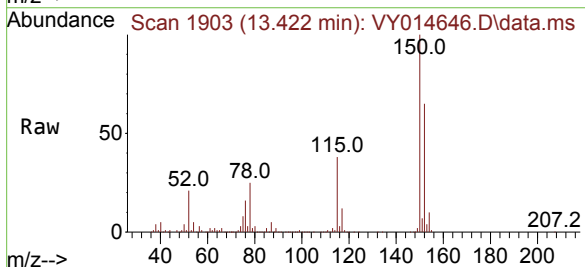
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-204

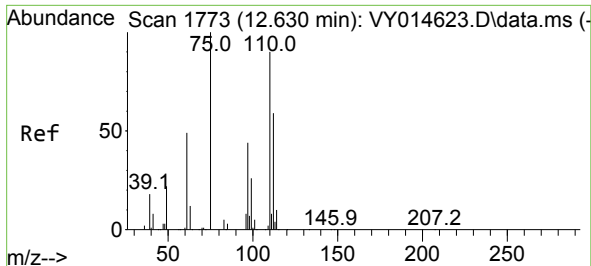
Tgt Ion:117 Resp: 356912
Ion Ratio Lower Upper
117 100
82 56.3 43.4 65.0
119 32.1 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014646.D
Acq: 14 Jul 2023 14:39

Tgt Ion:152 Resp: 155170
Ion Ratio Lower Upper
152 100
115 59.3 28.8 86.5
150 156.3 0.0 348.8

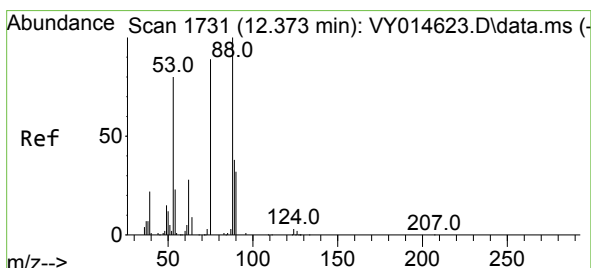
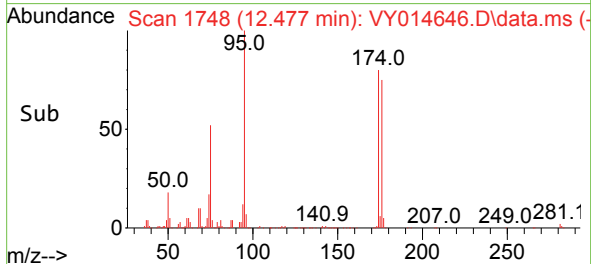
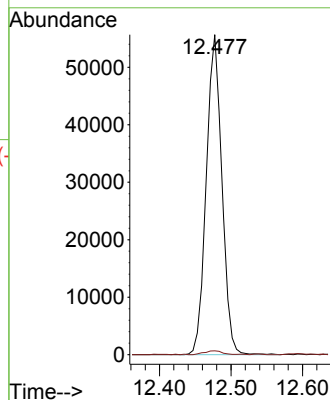
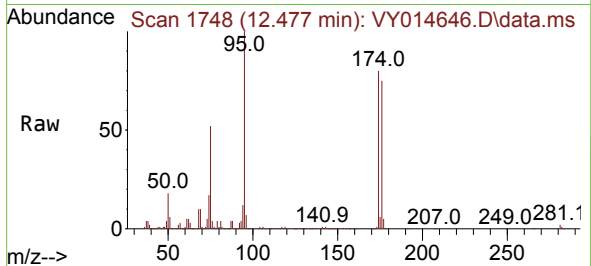




#76
1,2,3-Trichloropropane
Concen: 43.158 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014646.D
Acq: 14 Jul 2023 14:39

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-204

Tgt Ion: 75 Resp: 84580
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.563 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014646.D
Acq: 14 Jul 2023 14:39

Tgt Ion: 75 Resp: 84580
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

