

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072423\
 Data File : VY014784.D
 Acq On : 24 Jul 2023 19:51
 Operator : SY/MD
 Sample : 03724-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 363

Quant Time: Jul 25 01:33:03 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)

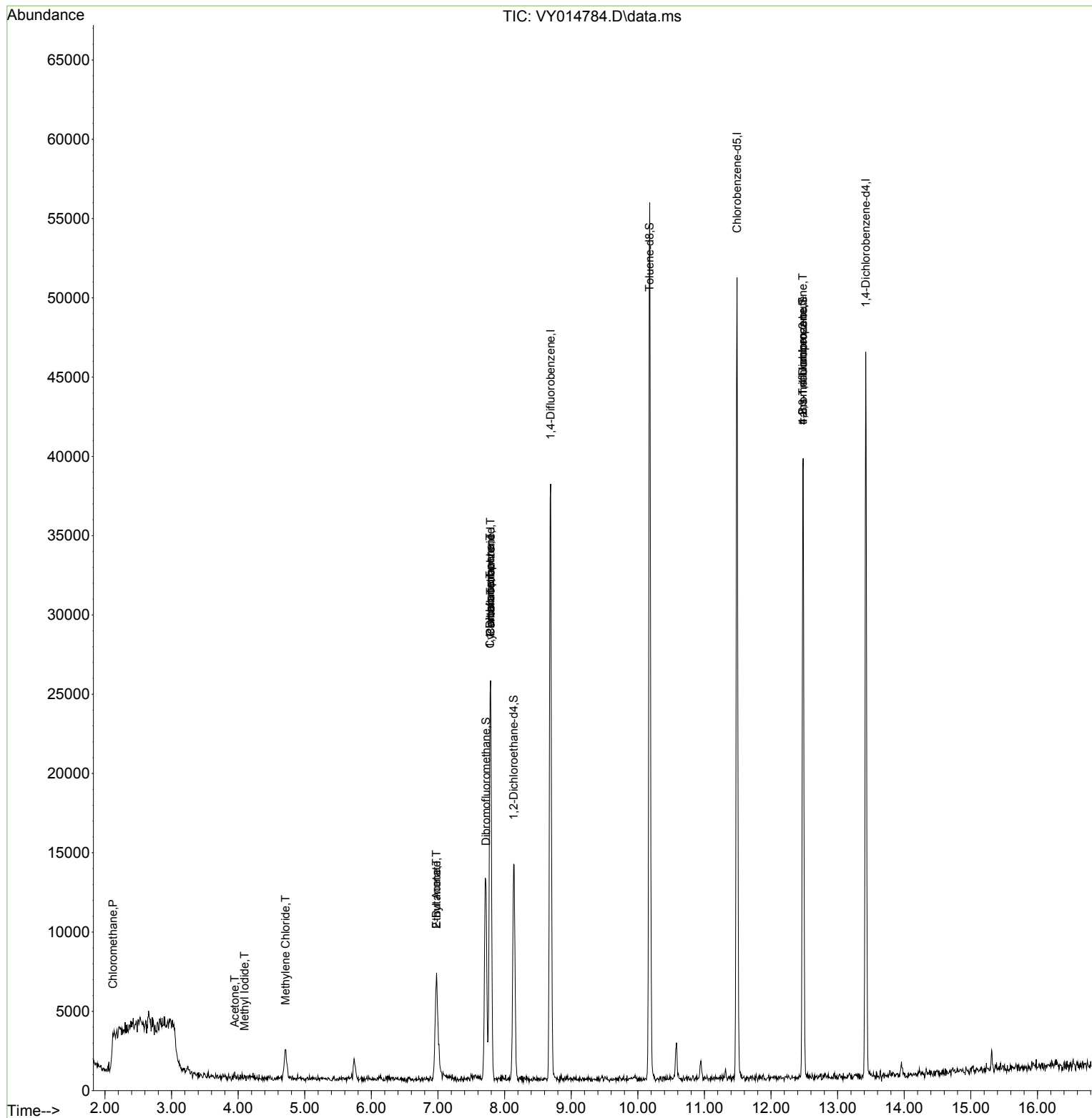
Internal Standards						
1) Pentafluorobenzene	7.789	168	20108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	32911	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	28277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	11493	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	11179	48.787	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.580%		
35) Dibromofluoromethane	7.722	113	9311	44.443	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.880%		
50) Toluene-d8	10.179	98	37978	49.169	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.340%		
62) 4-Bromofluorobenzene	12.477	95	11644	39.316	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	78.640%		
Target Compounds						Qvalue
3) Chloromethane	2.119	50	260	1.412	ug/l #	63
10) Methyl Iodide	4.094	142	120	2.878	ug/l #	56
11) Tert butyl alcohol	4.948	59	97	Below Cal	#	89
16) Acetone	3.948	43	392	5.399	ug/l #	46
20) Methylene Chloride	4.710	84	1523	2.440	ug/l #	67
25) 2-Butanone	6.978	43	525	4.942	ug/l #	49
31) Cyclohexane	7.783	56	436	1.146	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	1583	5.053	ug/l #	43
37) Ethyl Acetate	6.978	43	525	2.434	ug/l #	33
38) Carbon Tetrachloride	7.789	117	2110	6.371	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	6310	43.471	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	6310	84.168	ug/l #	10

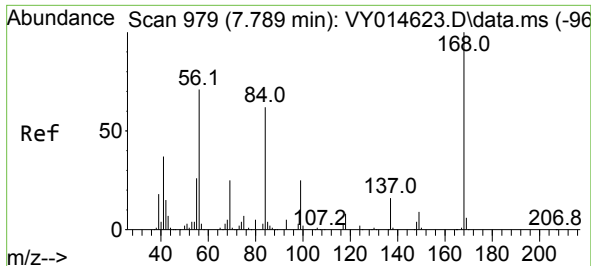
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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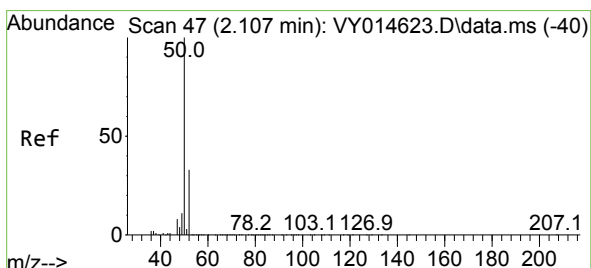
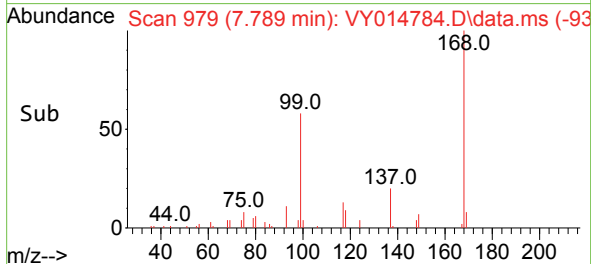
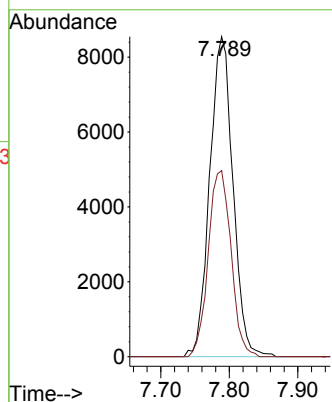
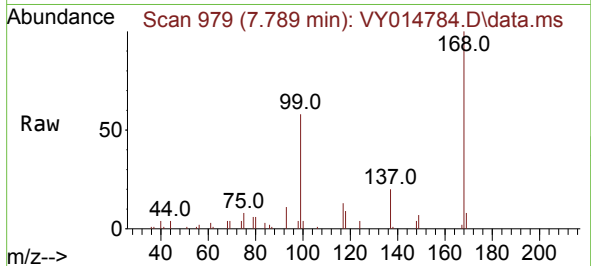




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014784.D
Acq: 24 Jul 2023 19:51

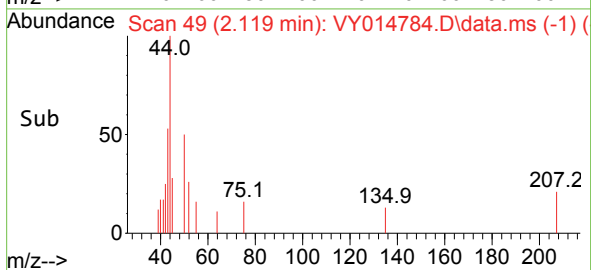
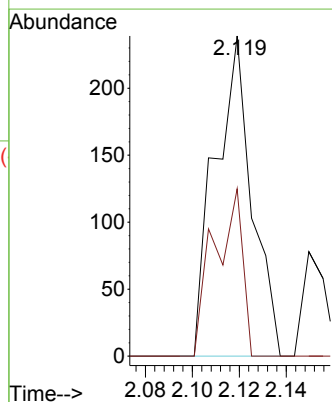
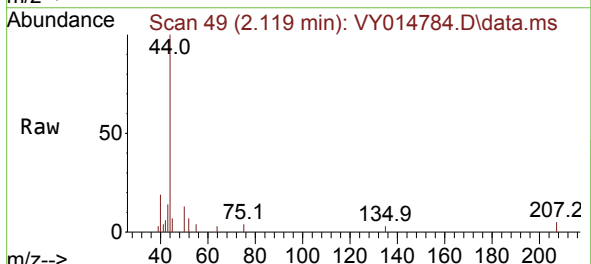
Instrument :
MSVOA_Y
ClientSampleId :
363

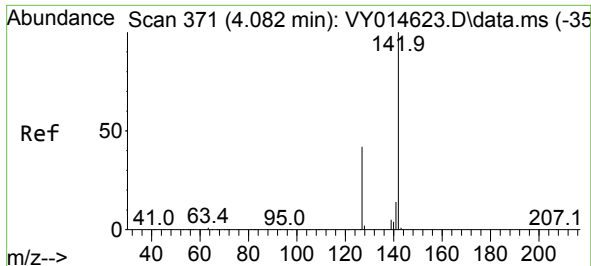
Tgt Ion:168 Resp: 20108
Ion Ratio Lower Upper
168 100
99 58.1 43.4 65.0



#3
Chloromethane
Concen: 1.412 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.012 min
Lab File: VY014784.D
Acq: 24 Jul 2023 19:51

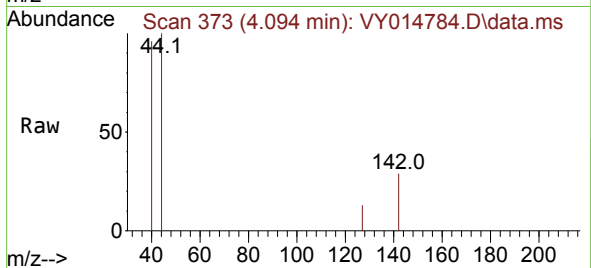
Tgt Ion: 50 Resp: 260
Ion Ratio Lower Upper
50 100
52 52.3 25.4 38.2#



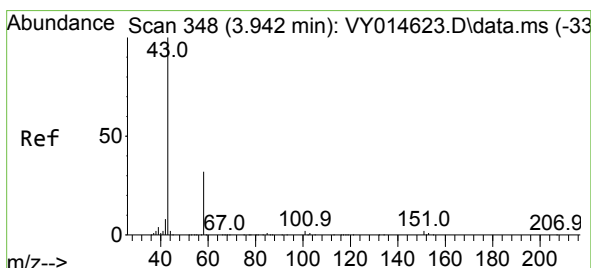
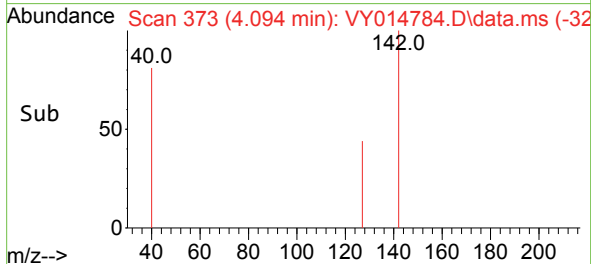
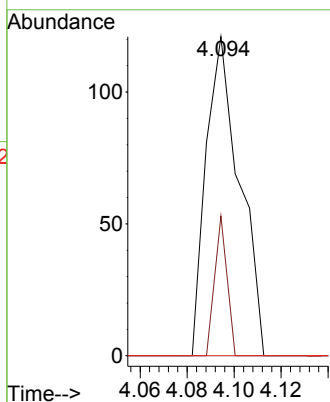


#10
Methyl Iodide
Concen: 2.878 ug/l
RT: 4.094 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014784.D
Acq: 24 Jul 2023 19:51

Instrument :
MSVOA_Y
ClientSampleId :
363

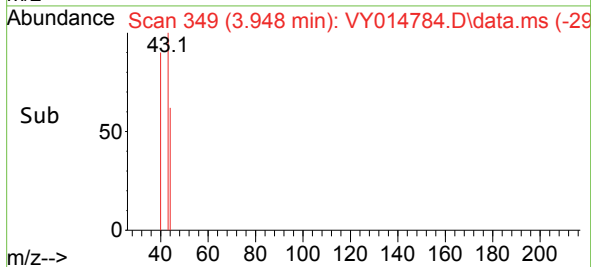
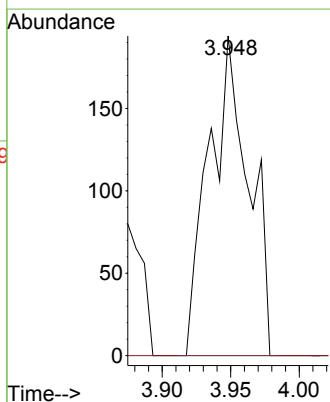
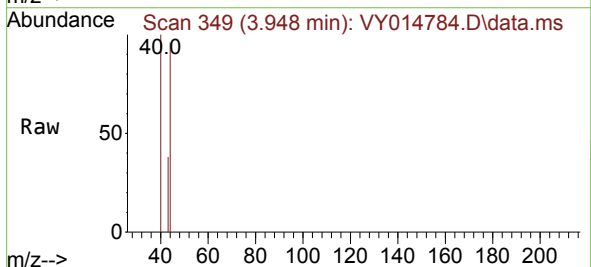


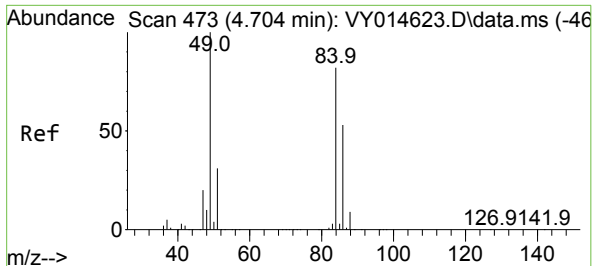
Tgt Ion:142 Resp: 120
Ion Ratio Lower Upper
142 100
127 15.8 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 5.399 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY014784.D
Acq: 24 Jul 2023 19:51

Tgt Ion: 43 Resp: 392
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#

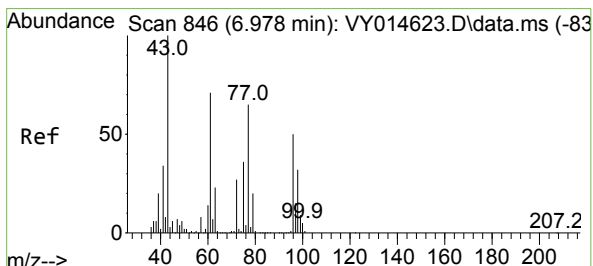
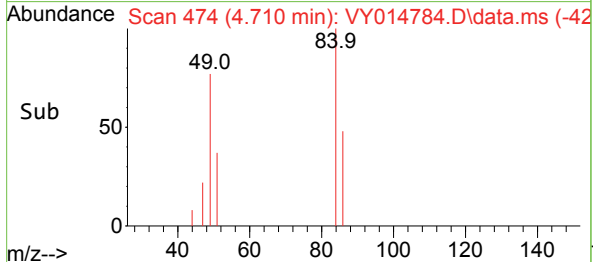
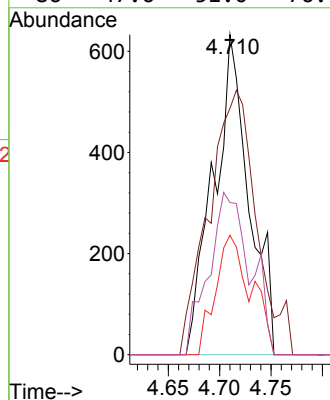
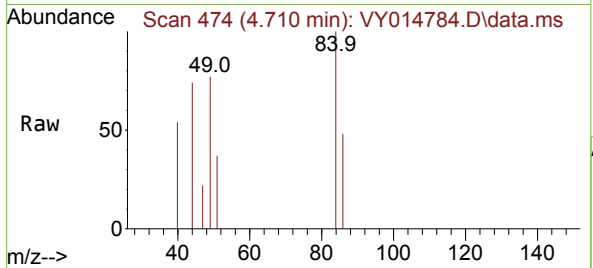




#20
Methylene Chloride
Concen: 2.440 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014784.D
Acq: 24 Jul 2023 19:51

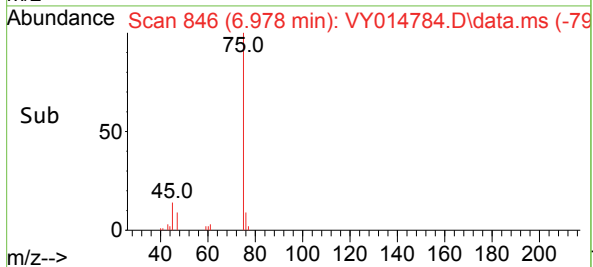
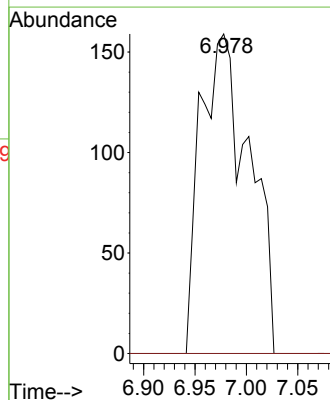
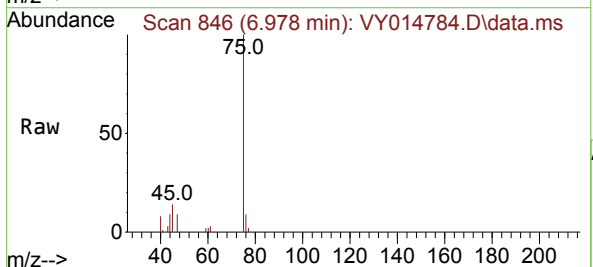
Instrument :
MSVOA_Y
ClientSampleId :
363

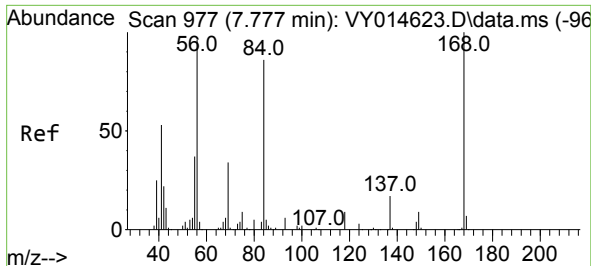
Tgt Ion:	84	Resp:	1523
Ion	Ratio	Lower	Upper
84	100		
49	76.9	106.9	160.3#
51	37.3	33.2	49.8
86	47.6	51.0	76.6#



#25
2-Butanone
Concen: 4.942 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY014784.D
Acq: 24 Jul 2023 19:51

Tgt Ion:	43	Resp:	525
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#

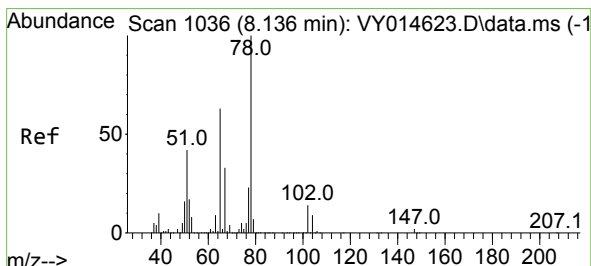
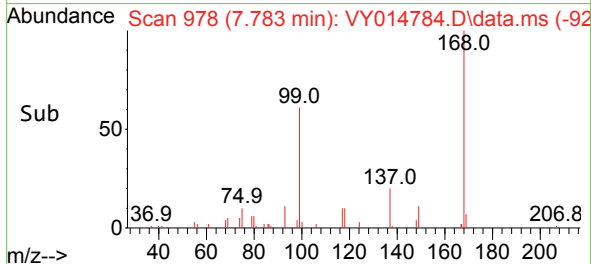
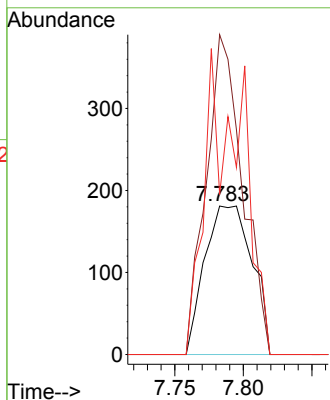
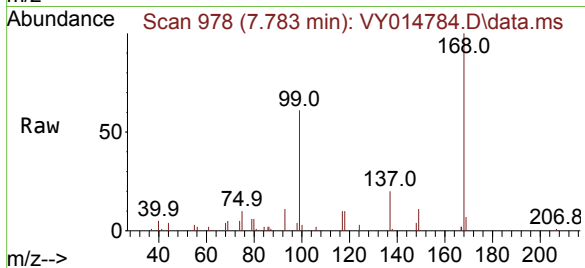




#31
Cyclohexane
Concen: 1.146 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014784.D
Acq: 24 Jul 2023 19:51

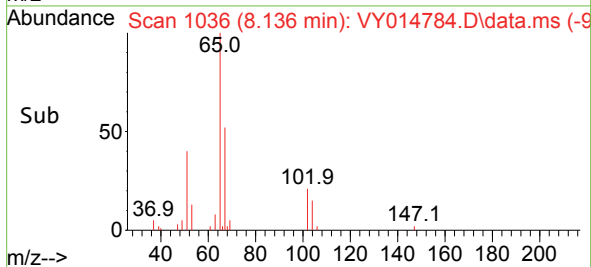
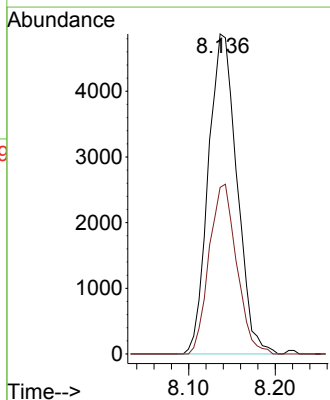
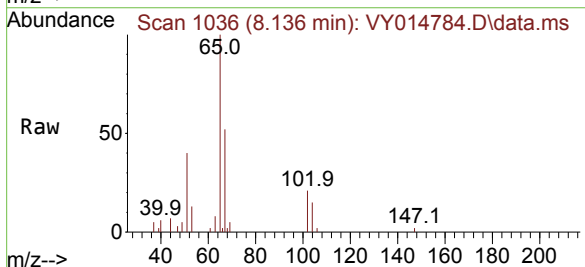
Instrument :
MSVOA_Y
ClientSampleId :
363

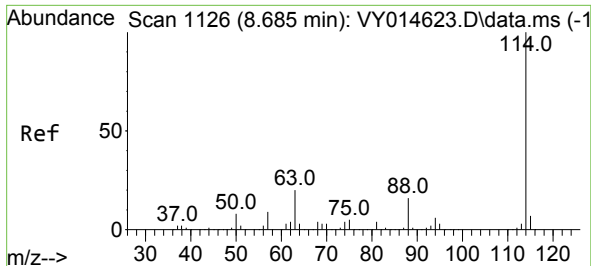
Tgt Ion: 56 Resp: 436
Ion Ratio Lower Upper
56 100
69 215.5 27.8 41.6#
84 107.7 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 48.787 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014784.D
Acq: 24 Jul 2023 19:51

Tgt Ion: 65 Resp: 11179
Ion Ratio Lower Upper
65 100
67 51.0 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: VY014784.D

Acq: 24 Jul 2023 19:51

Instrument :

MSVOA_Y

ClientSampleId :

363

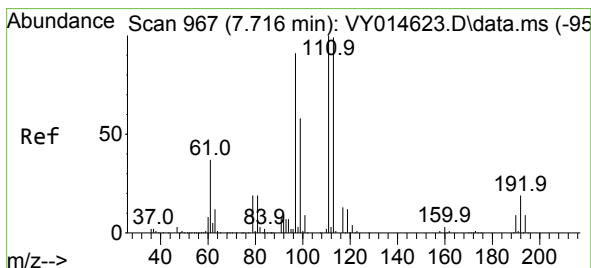
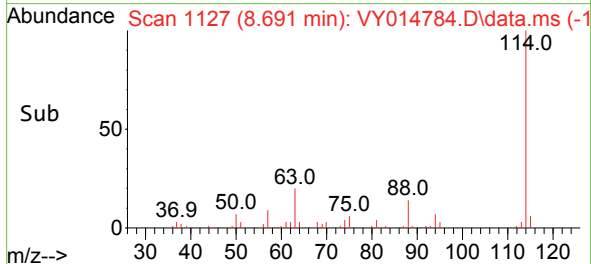
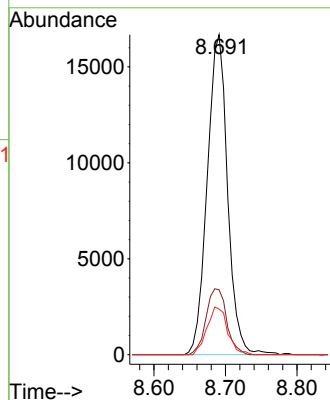
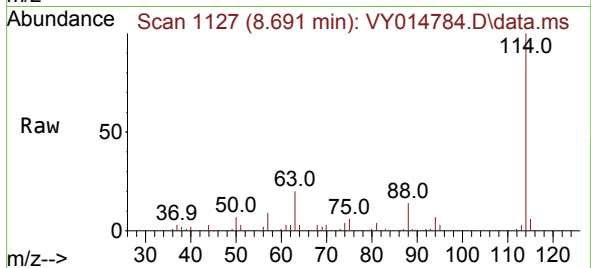
Tgt Ion:114 Resp: 32911

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

88 14.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 44.443 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY014784.D

Acq: 24 Jul 2023 19:51

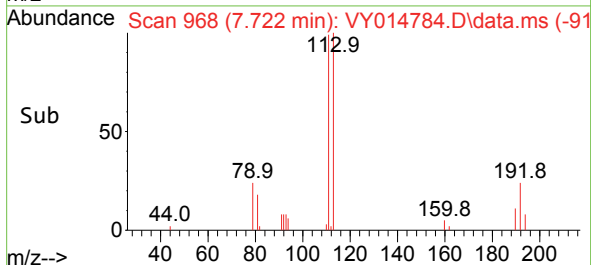
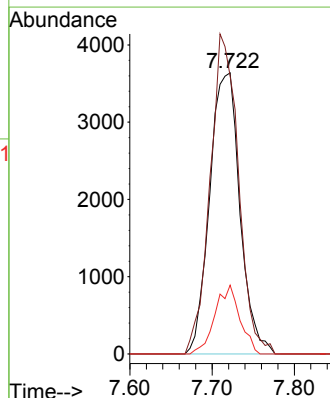
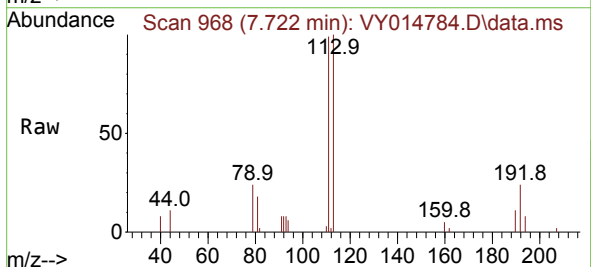
Tgt Ion:113 Resp: 9311

Ion Ratio Lower Upper

113 100

111 106.6 81.3 121.9

192 20.2 16.9 25.3

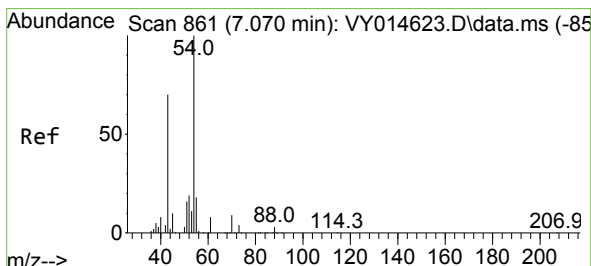
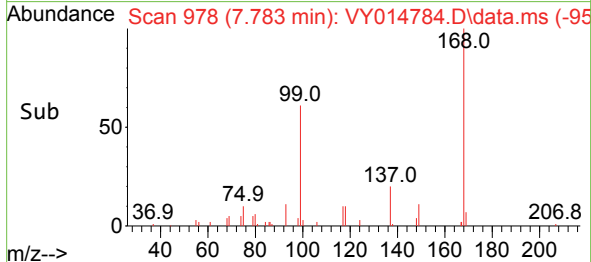
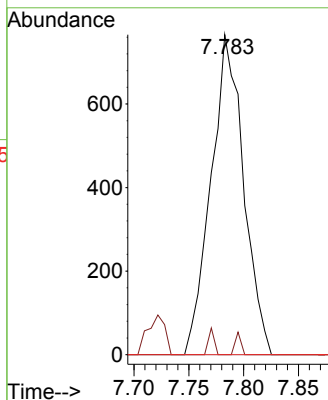
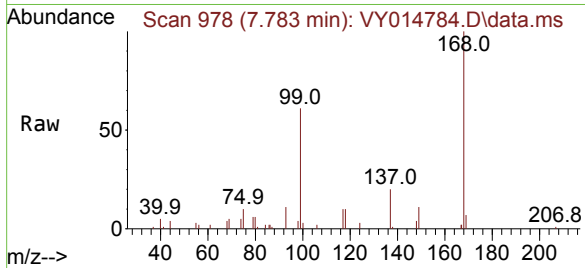




#36
1,1-Dichloropropene
Concen: 5.053 ug/l
RT: 7.783 min Scan# 913
Delta R.T. -0.128 min
Lab File: VY014784.D
Acq: 24 Jul 2023 19:51

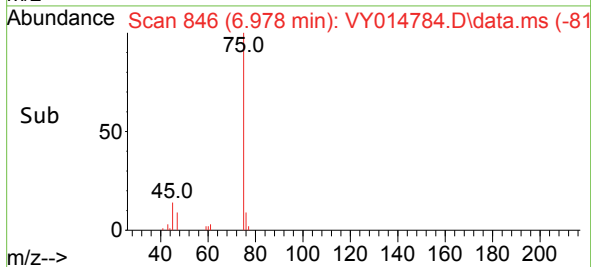
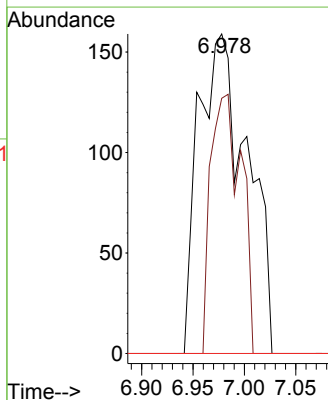
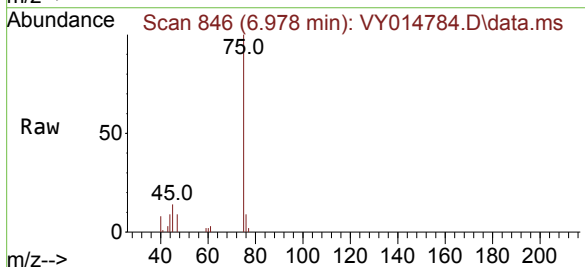
Instrument :
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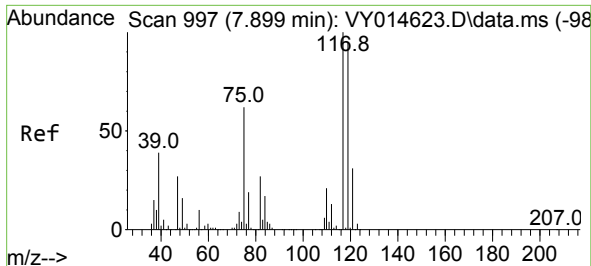
Tgt Ion: 75 Resp: 1583
Ion Ratio Lower Upper
75 100
110 1.3 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.434 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.092 min
Lab File: VY014784.D
Acq: 24 Jul 2023 19:51

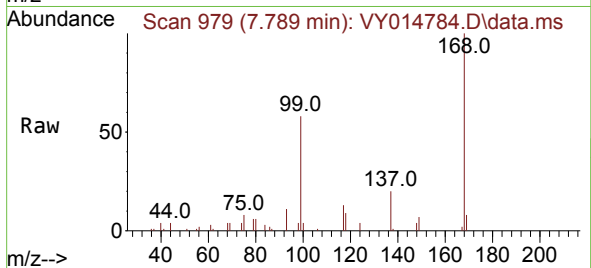
Tgt Ion: 43 Resp: 525
Ion Ratio Lower Upper
43 100
61 50.7 10.1 15.1#
70 0.0 7.1 10.7#



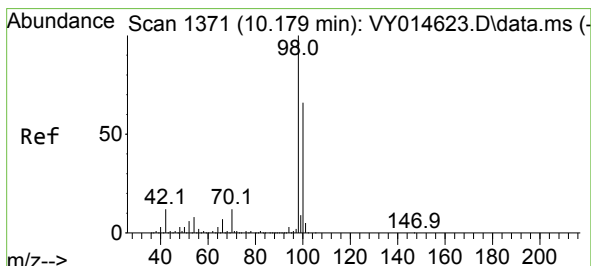
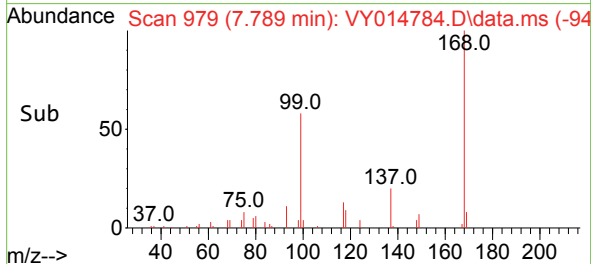
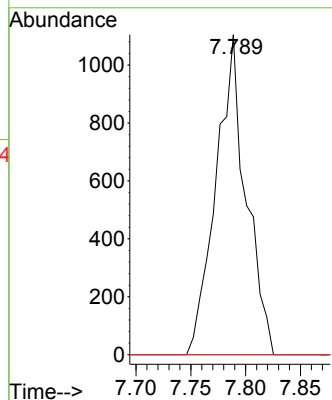


#38
Carbon Tetrachloride
Concen: 6.371 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY014784.D
Acq: 24 Jul 2023 19:51

Instrument :
MSVOA_Y
ClientSampleId :
363

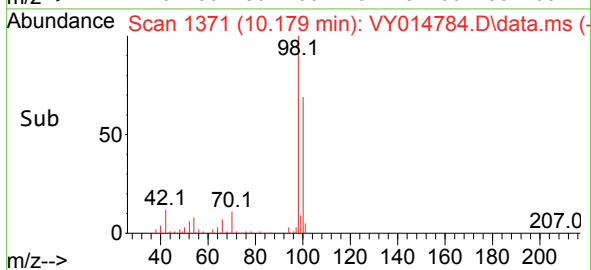
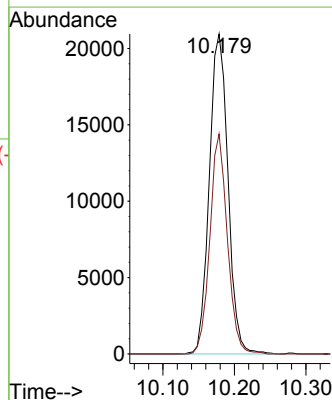
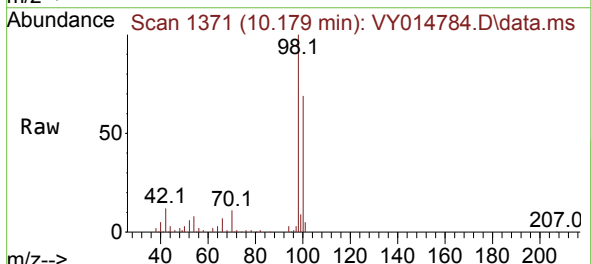


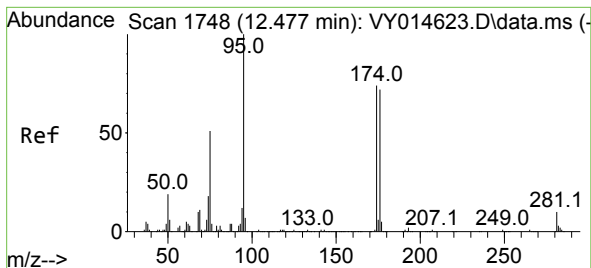
Tgt Ion:117 Resp: 2110
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.169 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014784.D
Acq: 24 Jul 2023 19:51

Tgt Ion: 98 Resp: 37978
Ion Ratio Lower Upper
98 100
100 64.4 50.1 75.1

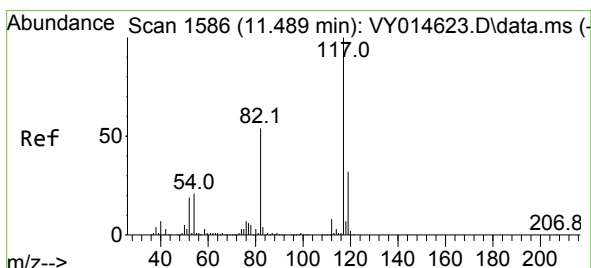
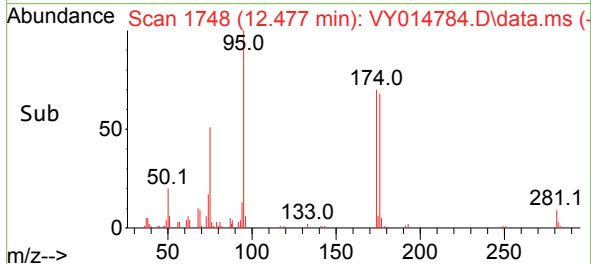
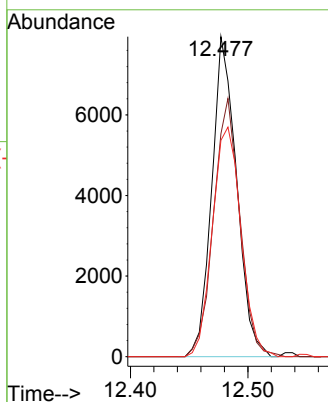
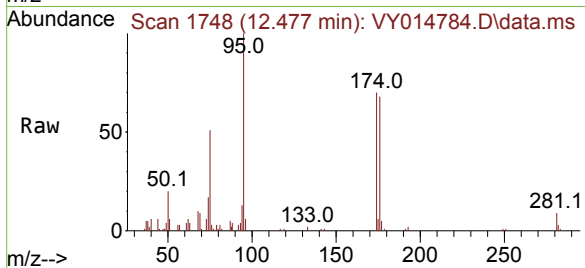




#62
4-Bromofluorobenzene
Concen: 39.316 ug/l
RT: 12.477 min Scan# 11644
Delta R.T. -0.000 min
Lab File: VY014784.D
Acq: 24 Jul 2023 19:51

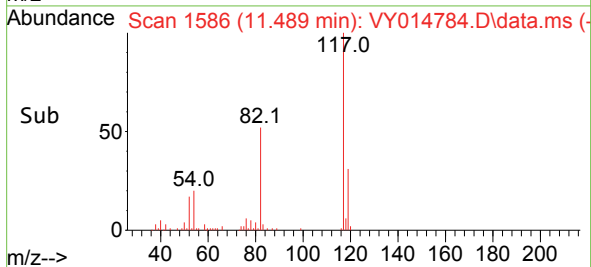
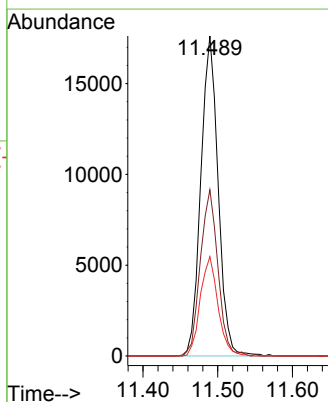
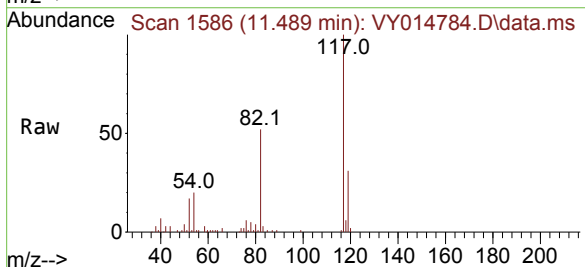
Instrument :
MSVOA_Y
ClientSampleId :
363

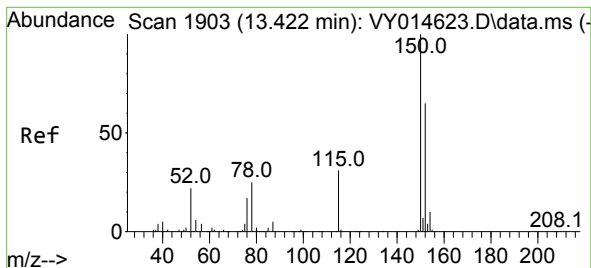
Tgt Ion:	95	Resp:	11644
Ion	Ratio	Lower	Upper
95	100		
174	85.3	0.0	178.2
176	82.7	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014784.D
Acq: 24 Jul 2023 19:51

Tgt Ion:	117	Resp:	28277
Ion	Ratio	Lower	Upper
117	100		
82	51.9	43.4	65.0
119	31.0	26.3	39.5

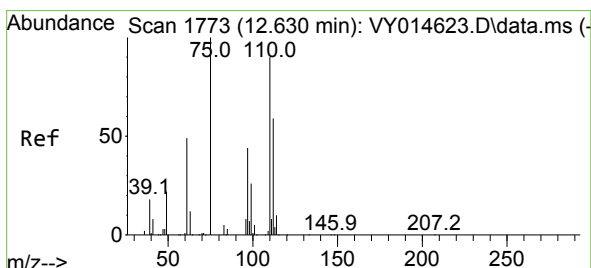
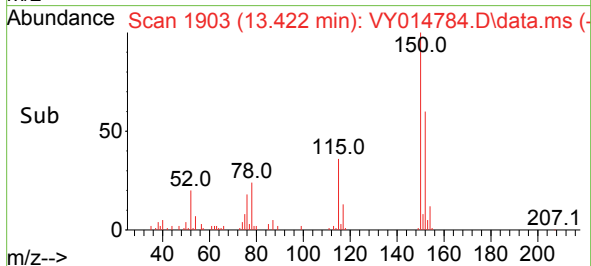
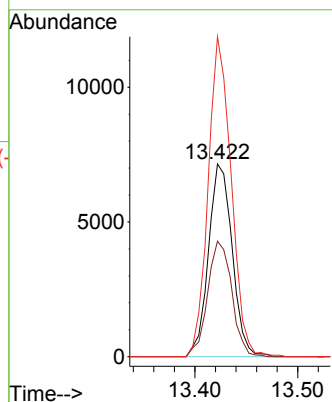
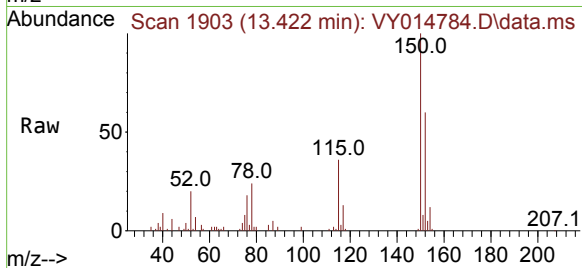




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY014784.D
 Acq: 24 Jul 2023 19:51

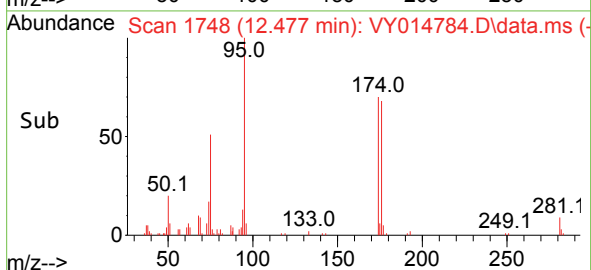
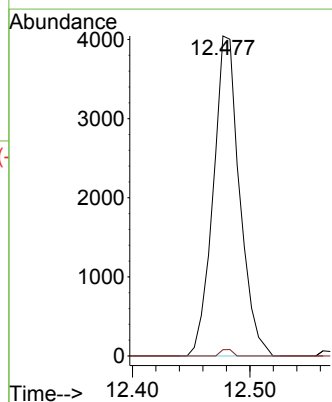
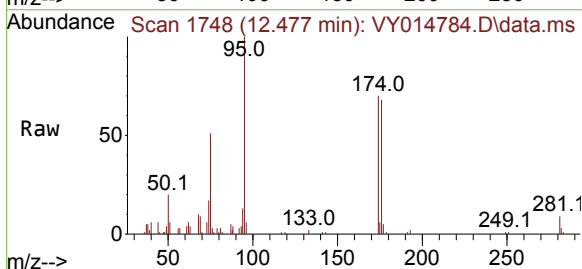
Instrument :
 MSVOA_Y
 ClientSampleId :
 363

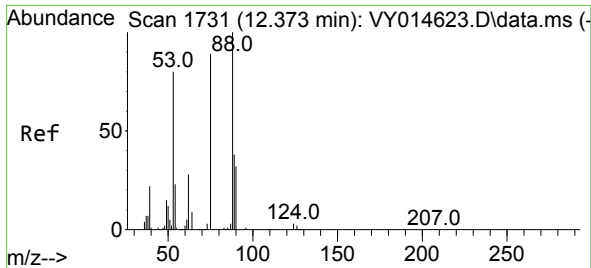
Tgt Ion:152 Resp: 11493
 Ion Ratio Lower Upper
 152 100
 115 60.8 28.8 86.5
 150 160.9 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 43.471 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY014784.D
 Acq: 24 Jul 2023 19:51

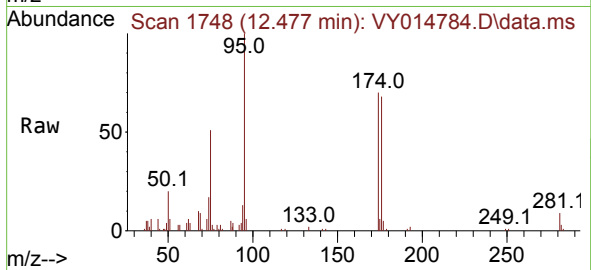
Tgt Ion: 75 Resp: 6310
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.168 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014784.D
 Acq: 24 Jul 2023 19:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 363



Tgt Ion: 75 Resp: 6310
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

