

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092023\
 Data File : VY015663.D
 Acq On : 20 Sep 2023 16:53
 Operator : SY/MD
 Sample : 04531-04
 Misc : 5.92g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 21 03:43:49 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)

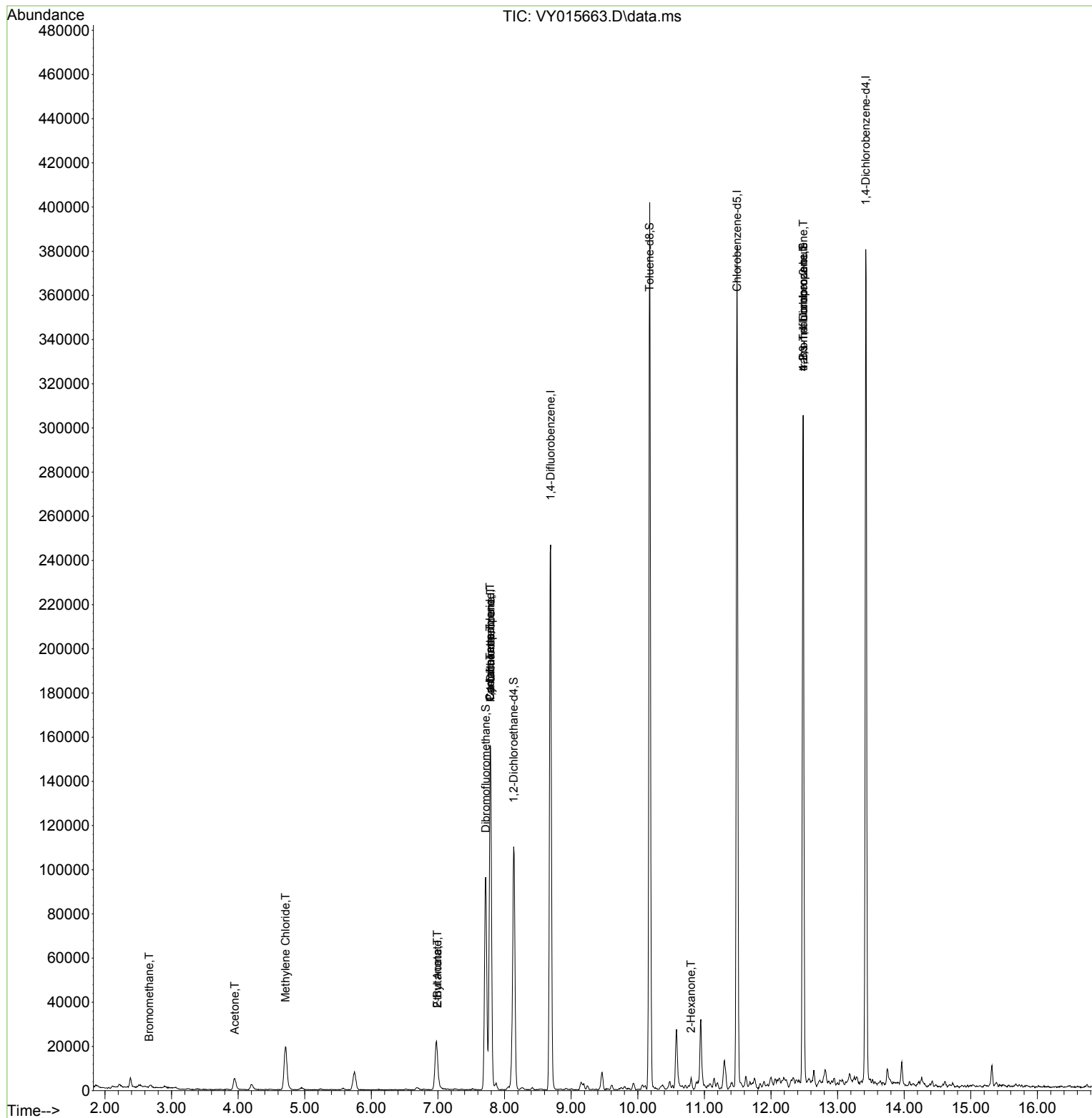
Internal Standards						
1) Pentafluorobenzene	7.789	168	123161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	213760	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	199430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	97097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	81837	60.391	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.780%			
35) Dibromofluoromethane	7.716	113	69541	54.353	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.700%			
50) Toluene-d8	10.179	98	253356	58.403	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 116.800%			
62) 4-Bromofluorobenzene	12.483	95	89192	52.392	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.780%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	71	2.615	ug/l #	46
11) Tert butyl alcohol	4.954	59	1685	Below Cal	#	89
16) Acetone	3.948	43	9597	13.234	ug/l	93
20) Methylene Chloride	4.710	84	14537	4.775	ug/l	90
25) 2-Butanone	6.990	43	3033	2.959	ug/l	90
31) Cyclohexane	7.783	56	2982	1.589	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	9521	5.033	ug/l #	50
37) Ethyl Acetate	6.990	43	3033	1.607	ug/l #	56
38) Carbon Tetrachloride	7.783	117	12307	5.993	ug/l #	17
59) 2-Hexanone	10.801	43	2086	1.361	ug/l #	27
76) 1,2,3-Trichloropropane	12.483	75	47355	30.571	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	47355	68.843	ug/l #	11

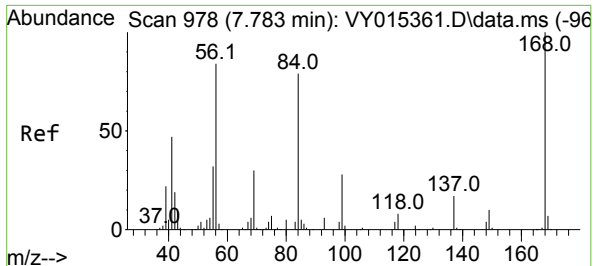
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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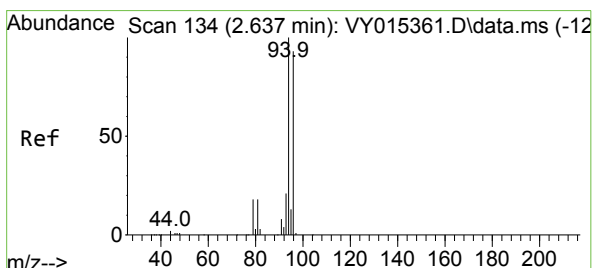
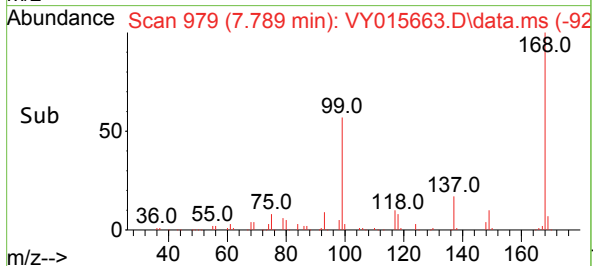
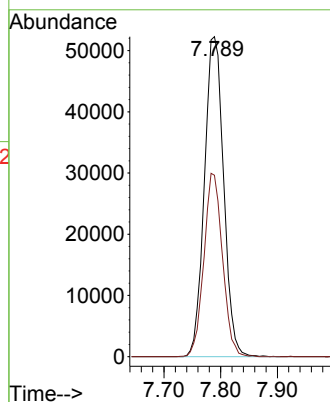
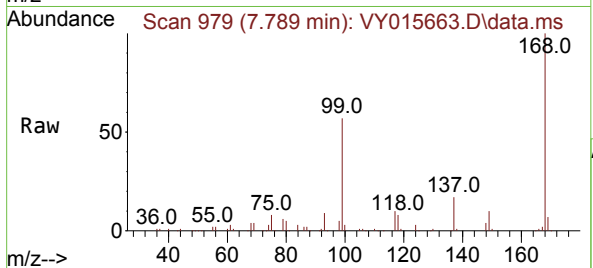




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015663.D
Acq: 20 Sep 2023 16:53

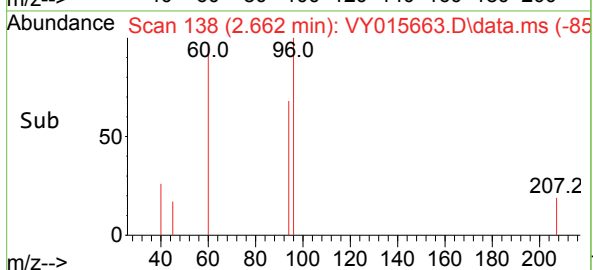
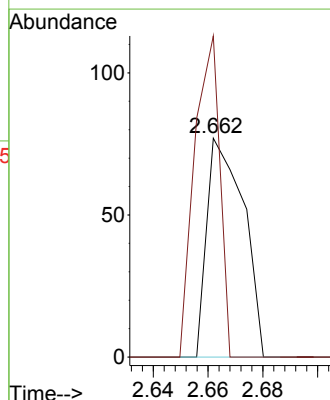
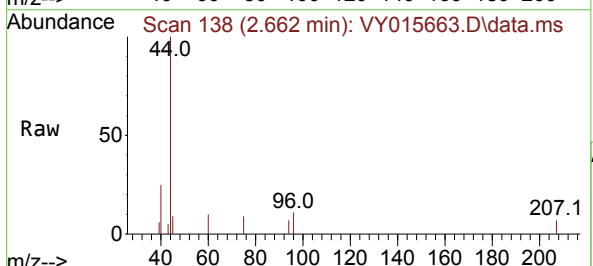
Instrument :
MSVOA_Y
ClientSampleId :

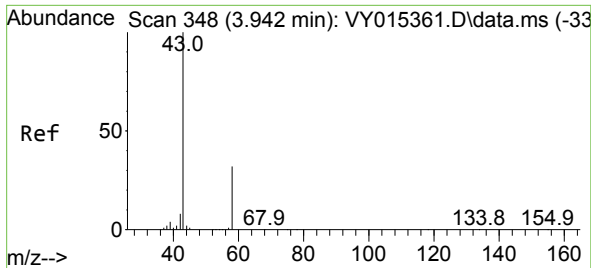
Tgt Ion:168 Resp: 123161
Ion Ratio Lower Upper
168 100
99 56.7 43.4 65.0



#5
Bromomethane
Concen: 2.615 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015663.D
Acq: 20 Sep 2023 16:53

Tgt Ion: 94 Resp: 71
Ion Ratio Lower Upper
94 100
96 146.8 75.8 113.6#

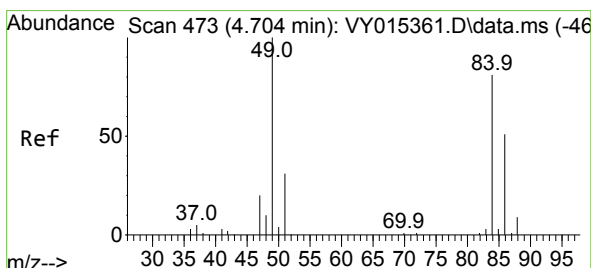
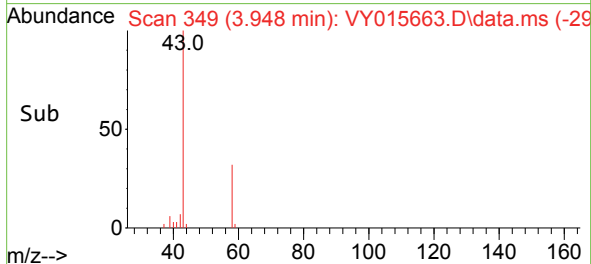
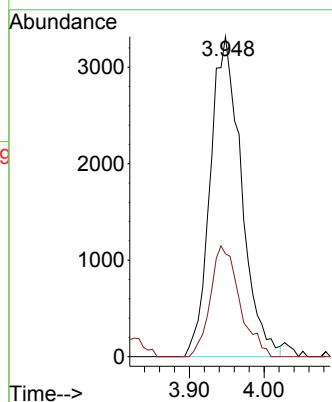
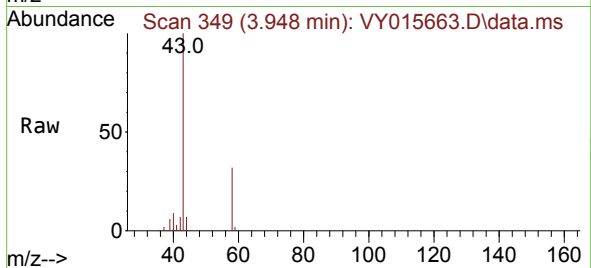




#16
Acetone
Concen: 13.234 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY015663.D
Acq: 20 Sep 2023 16:53

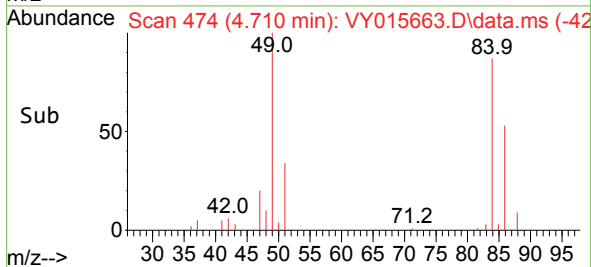
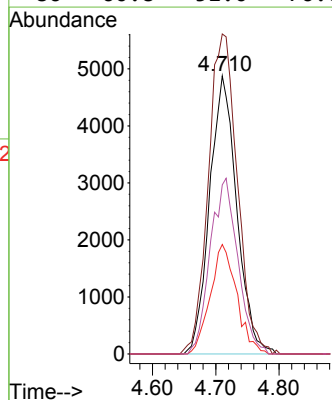
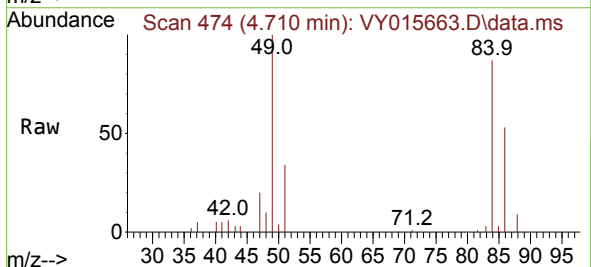
Instrument :
MSVOA_Y
ClientSampleId :

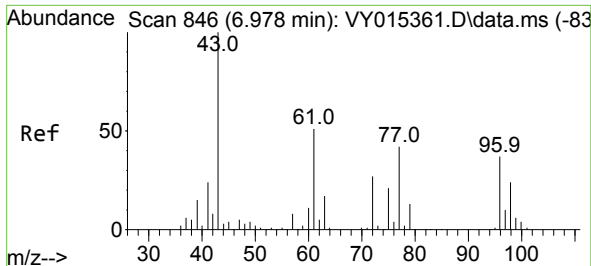
Tgt Ion: 43 Resp: 9597
Ion Ratio Lower Upper
43 100
58 32.1 22.7 34.1



#20
Methylene Chloride
Concen: 4.775 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY015663.D
Acq: 20 Sep 2023 16:53

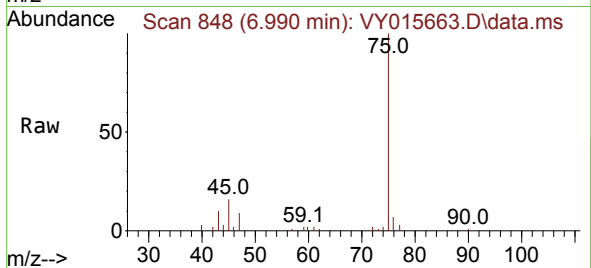
Tgt Ion: 84 Resp: 14537
Ion Ratio Lower Upper
84 100
49 115.0 106.9 160.3
51 39.4 33.2 49.8
86 60.8 51.0 76.6



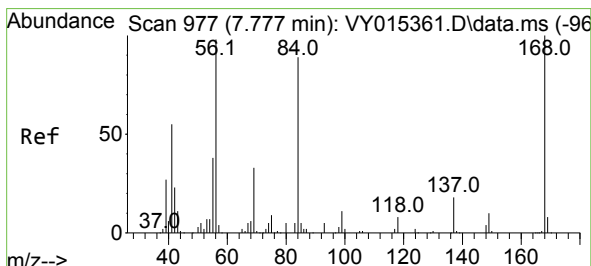
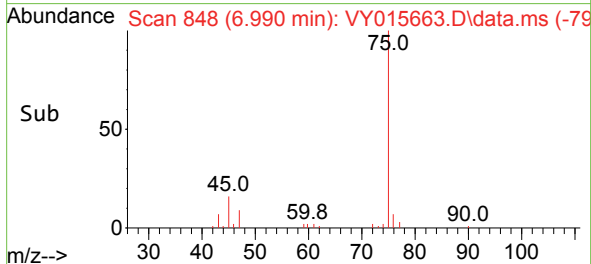
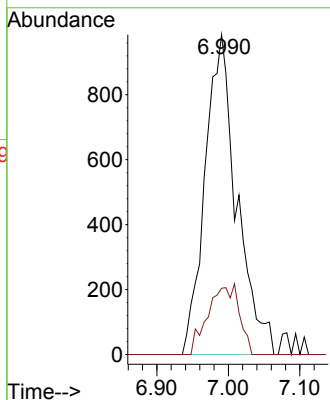


#25
2-Butanone
Concen: 2.959 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY015663.D
Acq: 20 Sep 2023 16:53

Instrument :
MSVOA_Y
ClientSampleId :

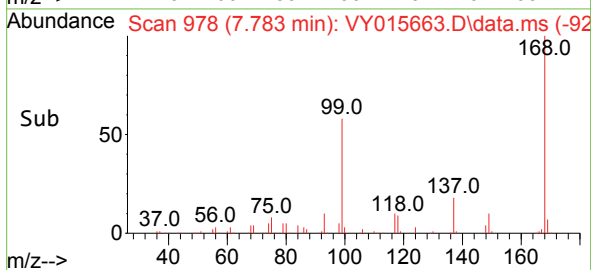
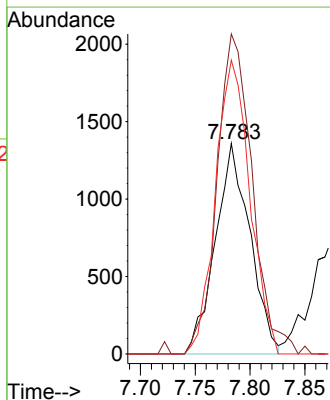
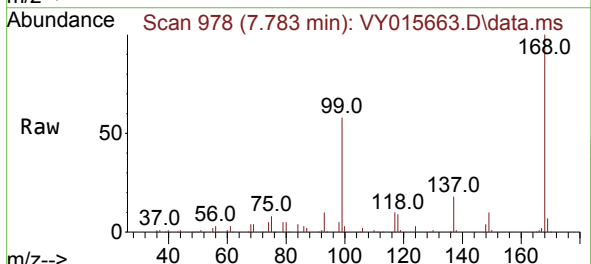


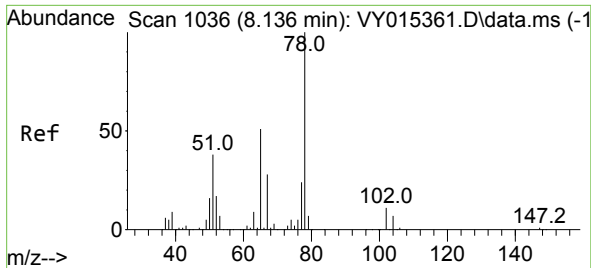
Tgt Ion: 43 Resp: 3033
Ion Ratio Lower Upper
43 100
72 20.7 20.5 30.7



#31
Cyclohexane
Concen: 1.589 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY015663.D
Acq: 20 Sep 2023 16:53

Tgt Ion: 56 Resp: 2982
Ion Ratio Lower Upper
56 100
69 152.0 27.8 41.6#
84 139.6 66.4 99.6#

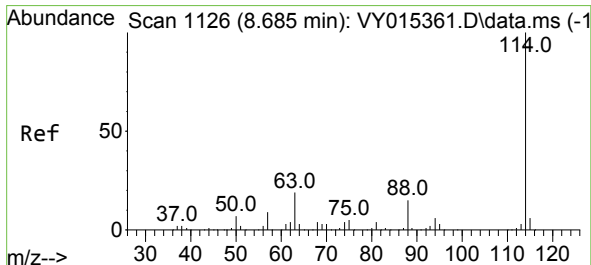
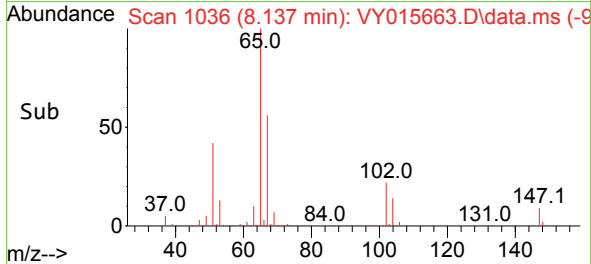
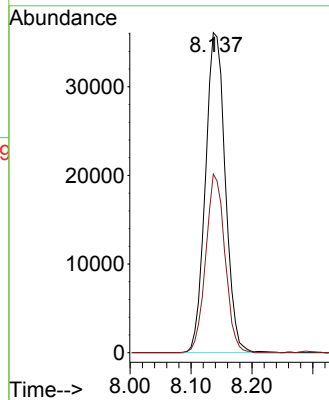
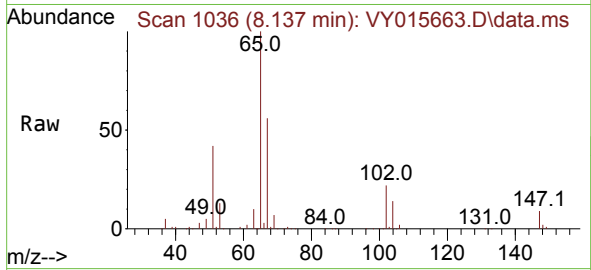




#33
 1,2-Dichloroethane-d4
 Concen: 60.391 ug/l
 RT: 8.137 min Scan# 1036
 Delta R.T. 0.001 min
 Lab File: VY015663.D
 Acq: 20 Sep 2023 16:53

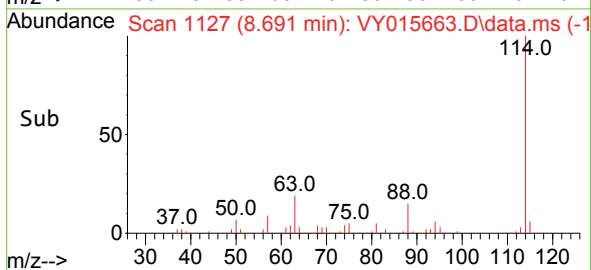
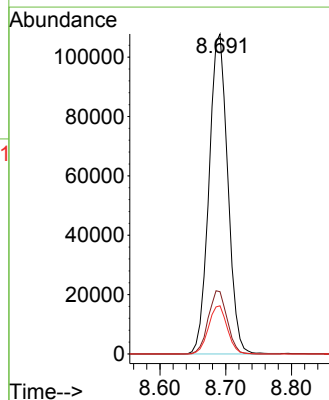
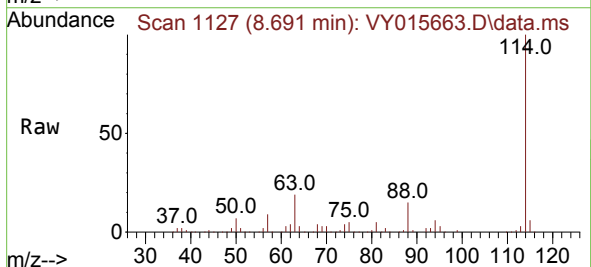
Instrument :
 MSVOA_Y
 ClientSampleId :

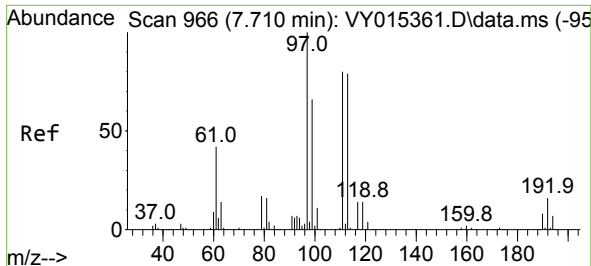
Tgt Ion: 65 Resp: 81837
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY015663.D
 Acq: 20 Sep 2023 16:53

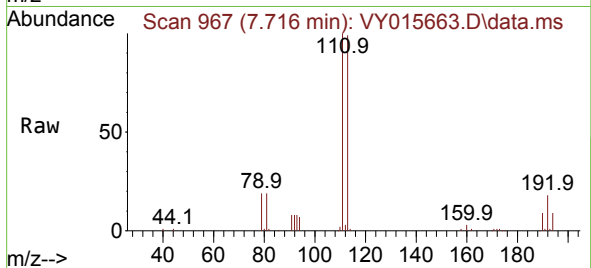
Tgt Ion:114 Resp: 213760
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 42.4
 88 15.1 0.0 30.6



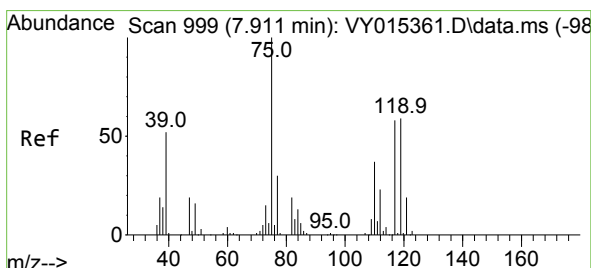
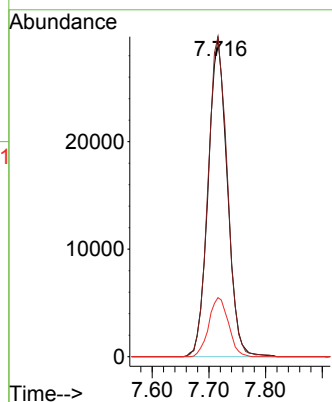
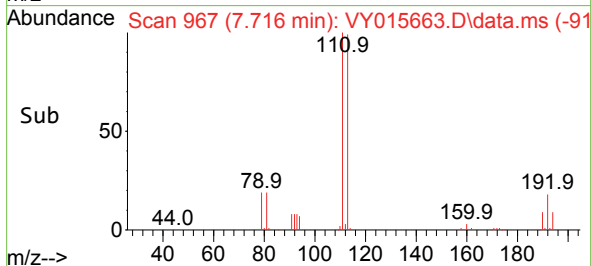


#35
Dibromofluoromethane
Concen: 54.353 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY015663.D
Acq: 20 Sep 2023 16:53

Instrument :
MSVOA_Y
ClientSampleId :

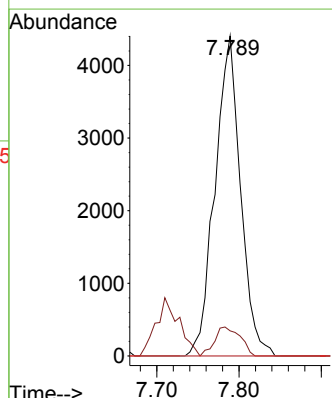
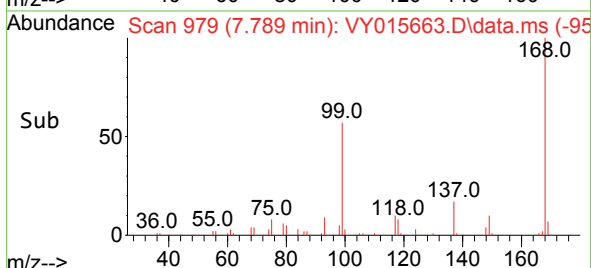
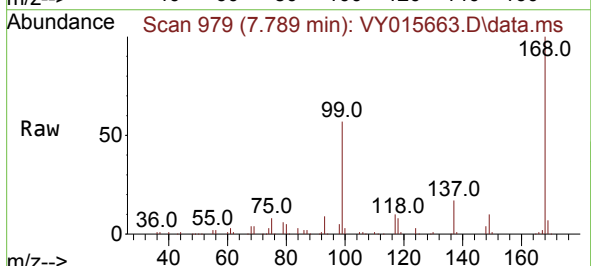


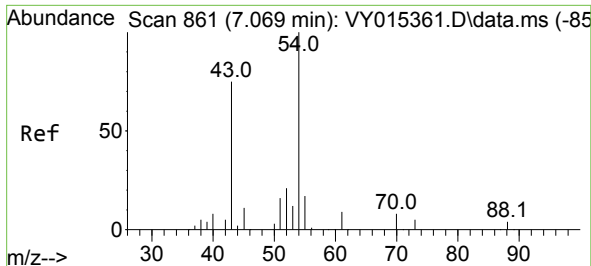
Tgt Ion:113 Resp: 69541
Ion Ratio Lower Upper
113 100
111 101.3 81.3 121.9
192 19.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.033 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015663.D
Acq: 20 Sep 2023 16:53

Tgt Ion: 75 Resp: 9521
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.607 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.073 min

Lab File: VY015663.D

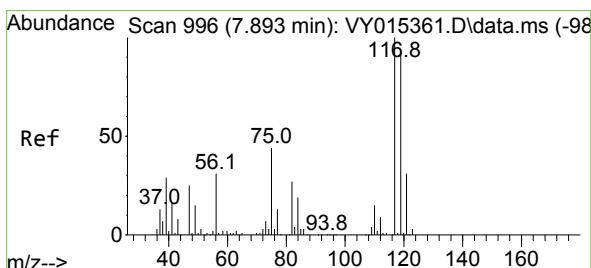
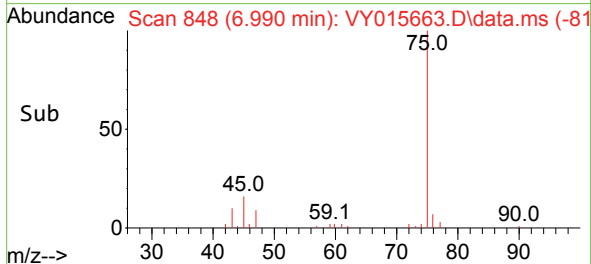
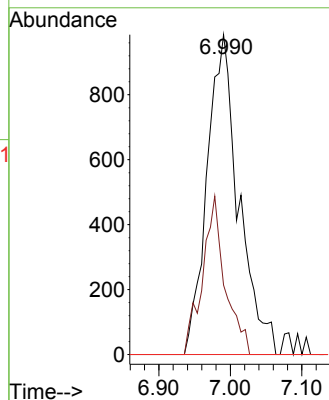
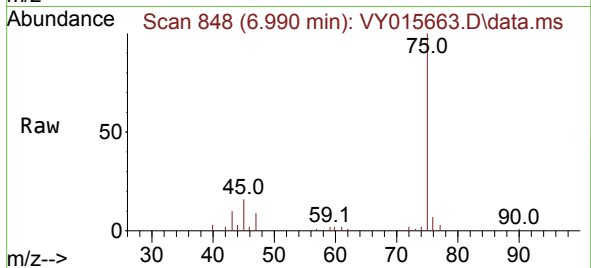
Acq: 20 Sep 2023 16:53

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	43	Resp:	3033
Ion	Ratio	Lower	Upper
43	100		
61	35.4	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.993 ug/l

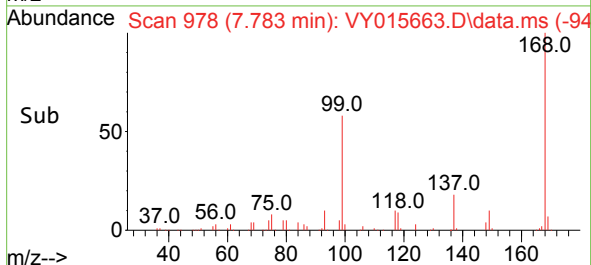
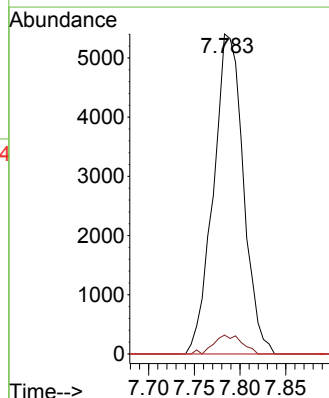
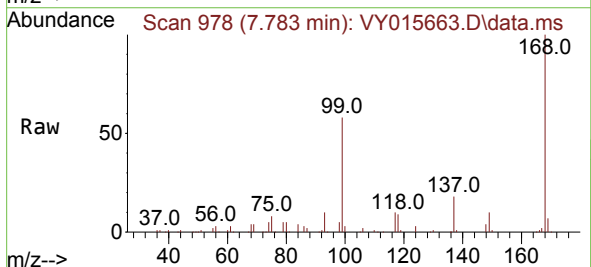
RT: 7.783 min Scan# 978

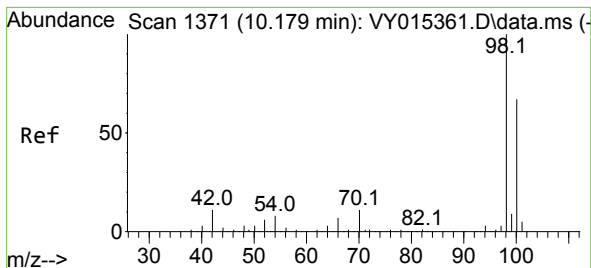
Delta R.T. -0.110 min

Lab File: VY015663.D

Acq: 20 Sep 2023 16:53

Tgt Ion:	117	Resp:	12307
Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.4	114.6#
121	0.0	25.8	38.6#

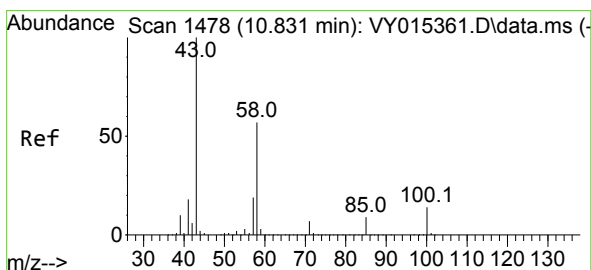
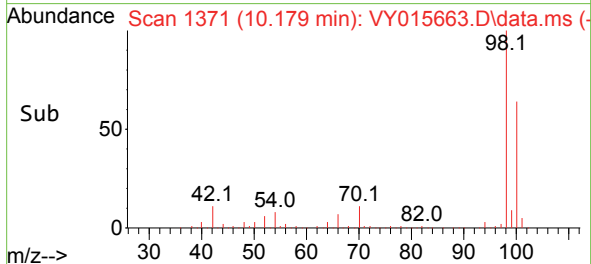
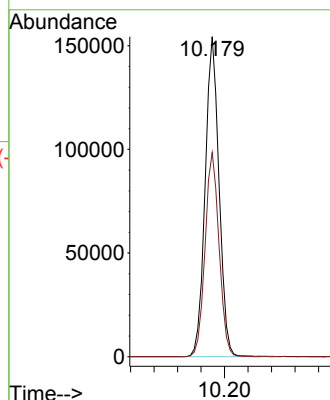
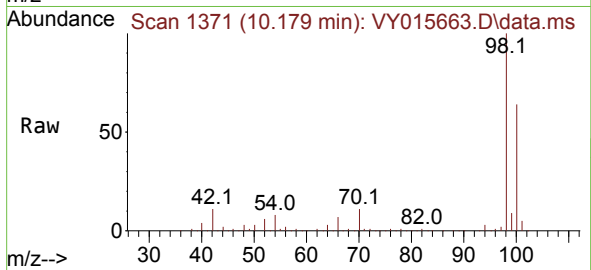




#50
Toluene-d8
Concen: 58.403 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015663.D
Acq: 20 Sep 2023 16:53

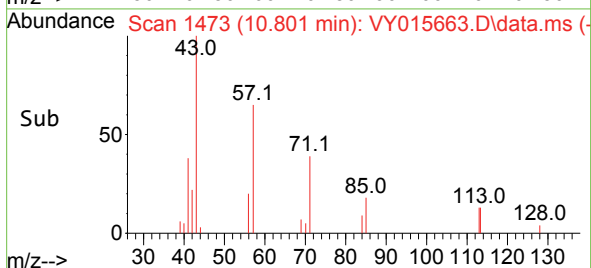
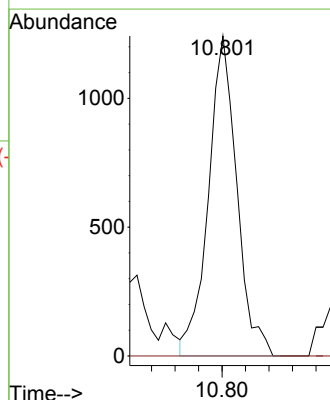
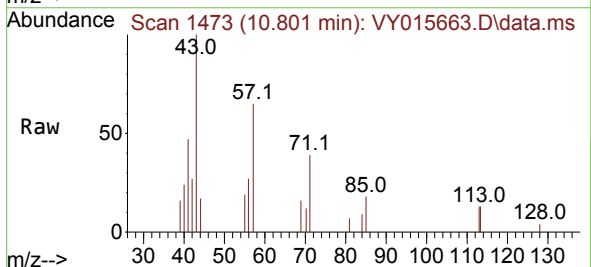
Instrument :
MSVOA_Y
ClientSampleId :

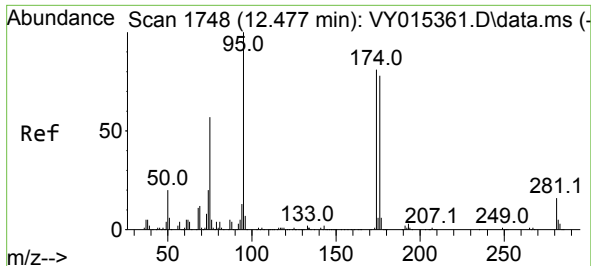
Tgt Ion: 98 Resp: 253356
Ion Ratio Lower Upper
98 100
100 64.3 50.1 75.1



#59
2-Hexanone
Concen: 1.361 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY015663.D
Acq: 20 Sep 2023 16:53

Tgt Ion: 43 Resp: 2086
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.3#

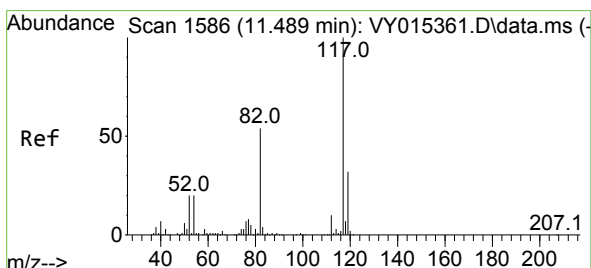
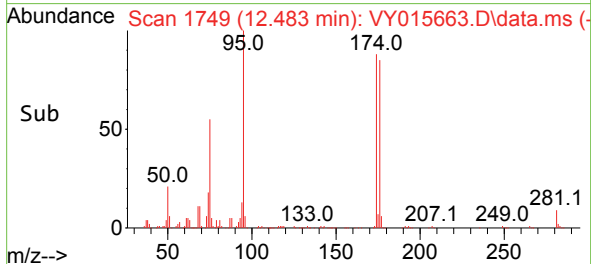
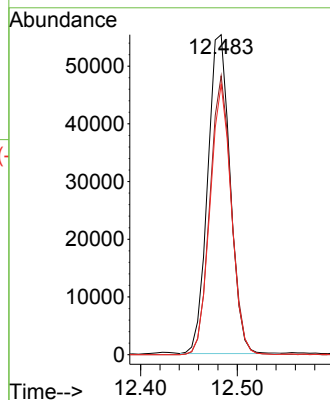
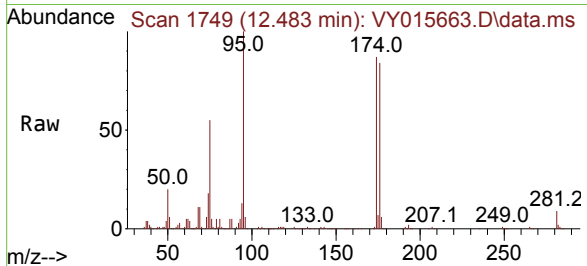




#62
4-Bromofluorobenzene
Concen: 52.392 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015663.D
Acq: 20 Sep 2023 16:53

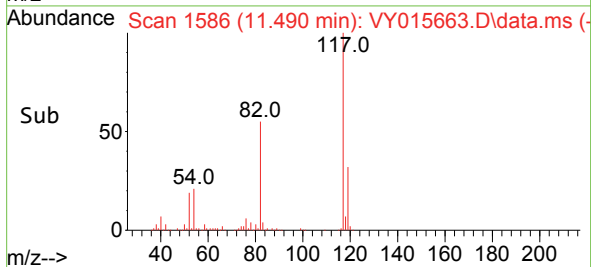
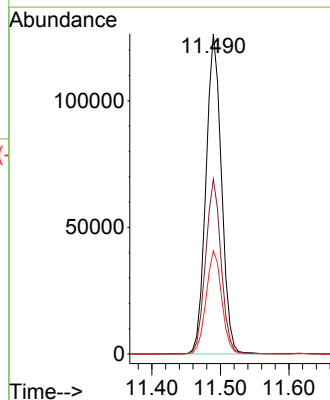
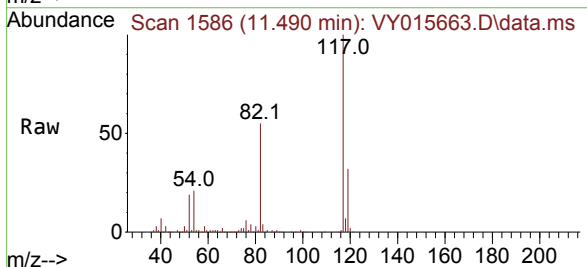
Instrument :
MSVOA_Y
ClientSampleId :

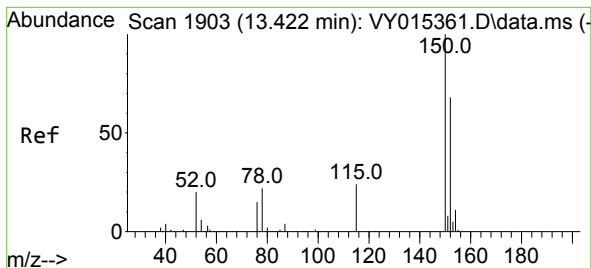
Tgt Ion: 95 Resp: 89192
Ion Ratio Lower Upper
95 100
174 83.4 0.0 178.2
176 80.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY015663.D
Acq: 20 Sep 2023 16:53

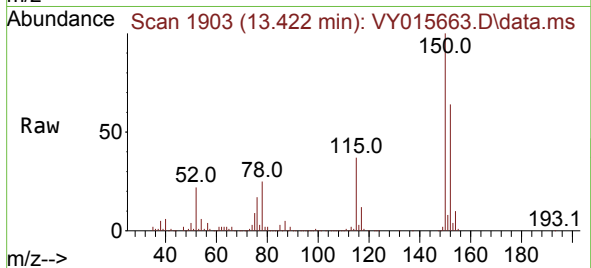
Tgt Ion: 117 Resp: 199430
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.0
119 32.3 26.3 39.5



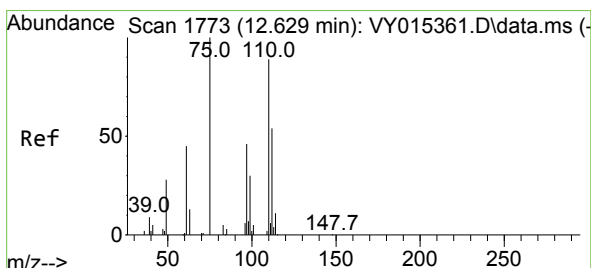
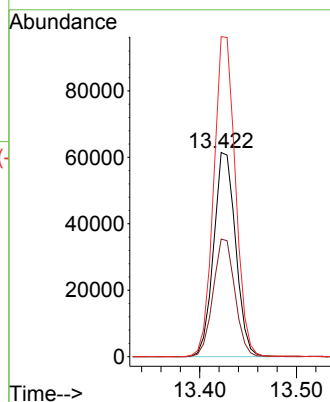
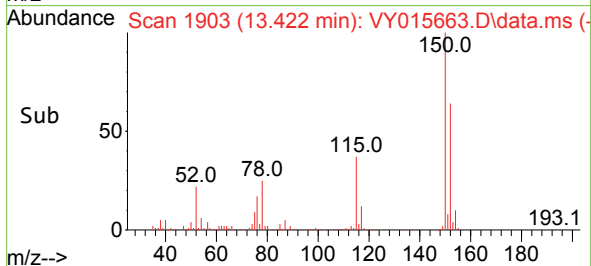


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY015663.D
 Acq: 20 Sep 2023 16:53

Instrument :
 MSVOA_Y
 ClientSampleId :

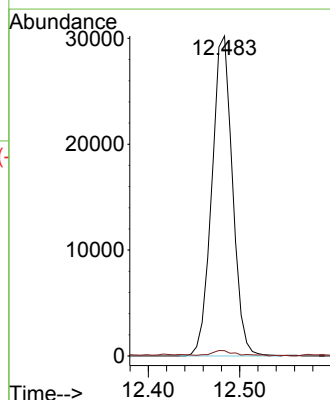
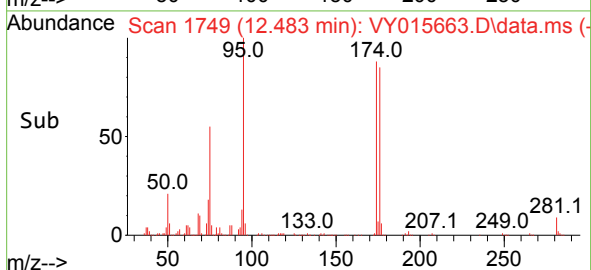
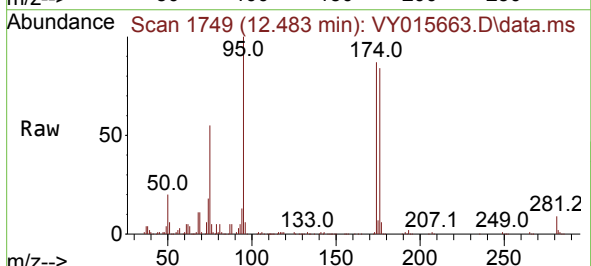


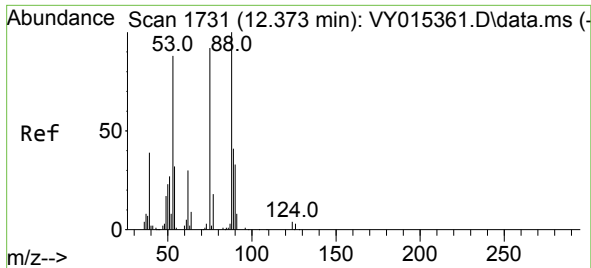
Tgt Ion:152 Resp: 97097
 Ion Ratio Lower Upper
 152 100
 115 57.2 28.8 86.5
 150 155.0 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 30.571 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY015663.D
 Acq: 20 Sep 2023 16:53

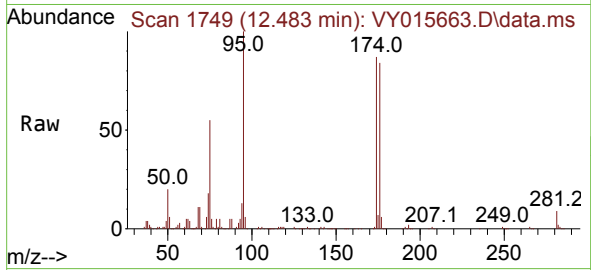
Tgt Ion: 75 Resp: 47355
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.843 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY015663.D
 Acq: 20 Sep 2023 16:53

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 47355
 Ion Ratio Lower Upper
 75 100
 53 0.3 77.8 116.8#
 89 0.0 37.4 56.0#

