

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091823\
 Data File : VY015626.D
 Acq On : 18 Sep 2023 19:43
 Operator : SY/MD
 Sample : 04460-04
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 19 02:07:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

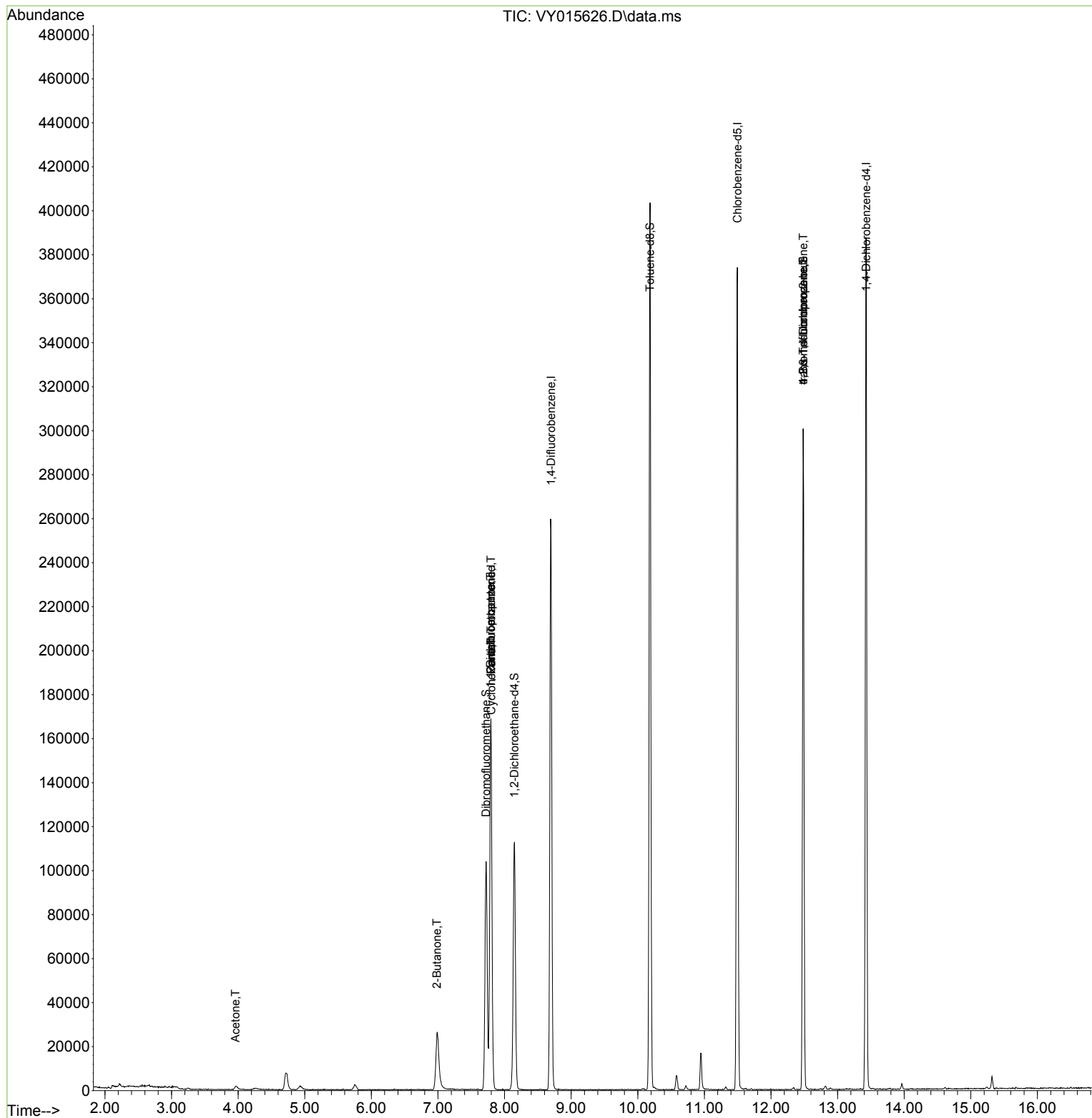
Internal Standards						
1) Pentafluorobenzene	7.795	168	133152	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	225092	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	207296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	87618	61.384	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.760%	
35) Dibromofluoromethane	7.722	113	73087	56.373	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.740%	
50) Toluene-d8	10.185	98	263868	56.201	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.400%	
62) 4-Bromofluorobenzene	12.483	95	89491	51.344	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.680%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	949	Below Cal	#	89
16) Acetone	3.960	43	3228	5.418	ug/l #	79
20) Methylene Chloride	4.723	84	6392	Below Cal		89
25) 2-Butanone	6.984	43	1595	1.888	ug/l #	69
31) Cyclohexane	7.801	56	2690	1.061	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	10018	4.401	ug/l #	50
38) Carbon Tetrachloride	7.795	117	13321	5.666	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	47715	37.013	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	47715	81.647	ug/l #	10

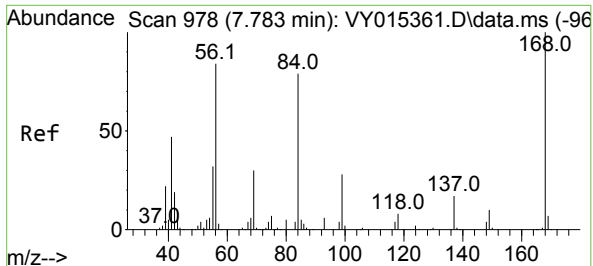
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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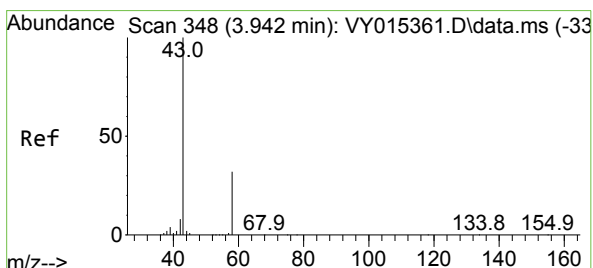
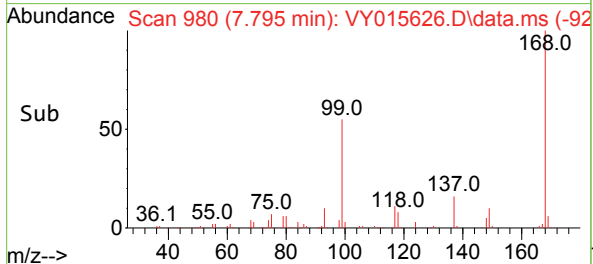
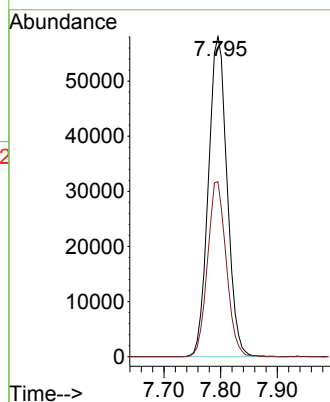
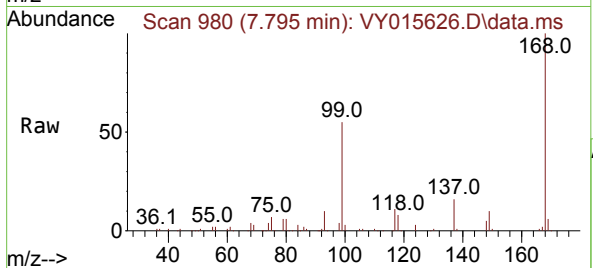




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015626.D
Acq: 18 Sep 2023 19:43

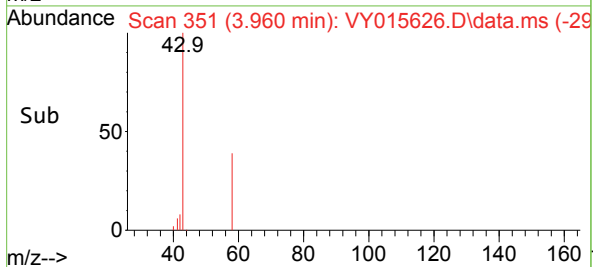
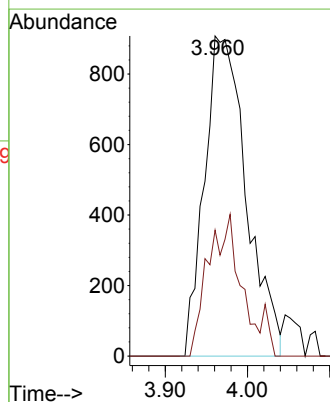
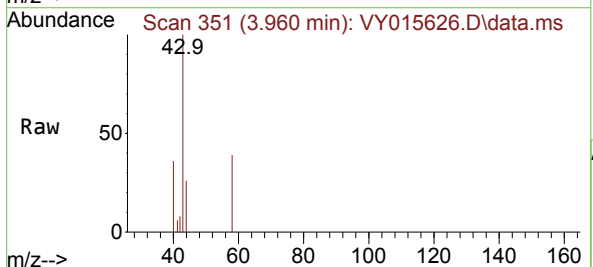
Instrument :
MSVOA_Y
ClientSampleId :

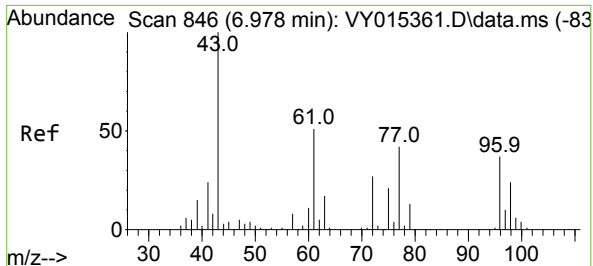
Tgt Ion:168 Resp: 133152
Ion Ratio Lower Upper
168 100
99 54.7 43.4 65.0



#16
Acetone
Concen: 5.418 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.018 min
Lab File: VY015626.D
Acq: 18 Sep 2023 19:43

Tgt Ion: 43 Resp: 3228
Ion Ratio Lower Upper
43 100
58 39.3 22.7 34.1#





#25

2-Butanone

Concen: 1.888 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY015626.D

Acq: 18 Sep 2023 19:43

Instrument :

MSVOA_Y

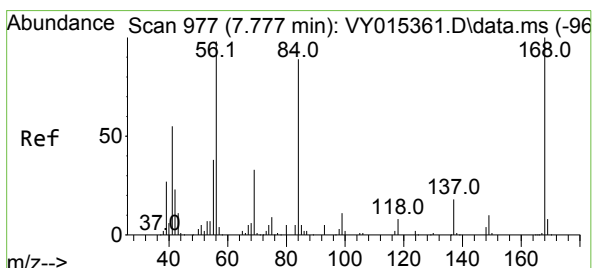
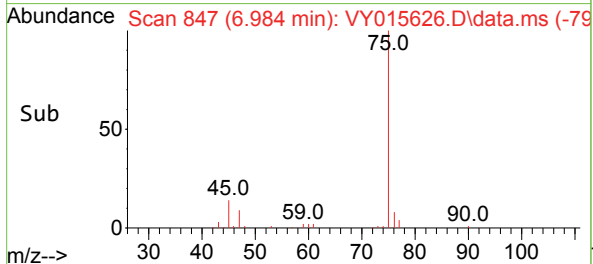
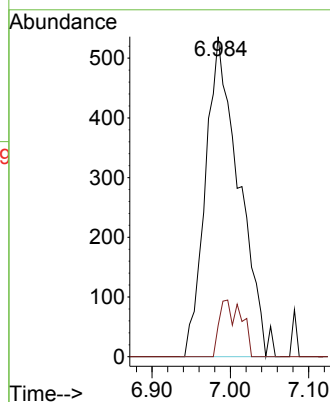
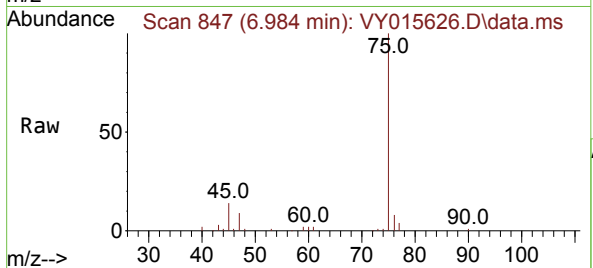
ClientSampleId :

Tgt Ion: 43 Resp: 1595

Ion Ratio Lower Upper

43 100

72 9.7 20.5 30.7#



#31

Cyclohexane

Concen: 1.061 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.018 min

Lab File: VY015626.D

Acq: 18 Sep 2023 19:43

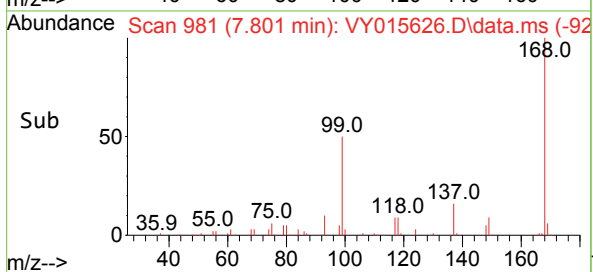
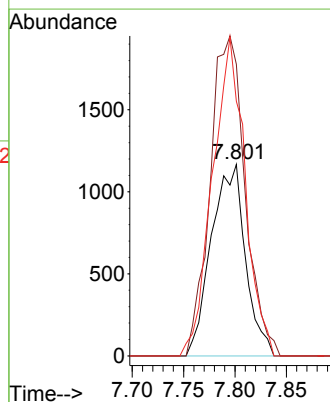
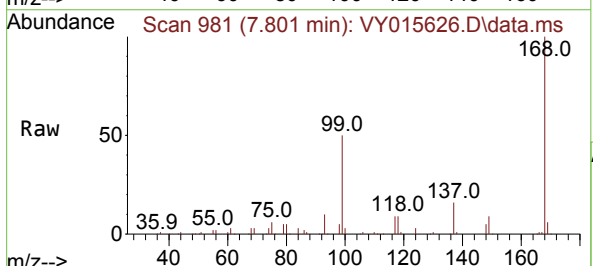
Tgt Ion: 56 Resp: 2690

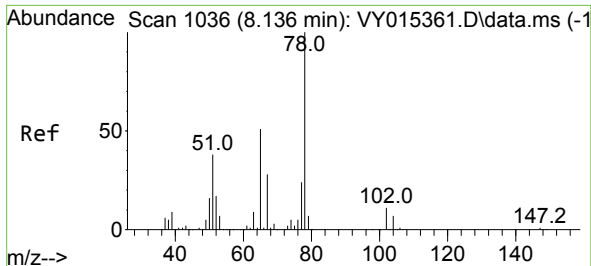
Ion Ratio Lower Upper

56 100

69 152.3 27.8 41.6#

84 133.0 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 61.384 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY015626.D

Acq: 18 Sep 2023 19:43

Instrument :

MSVOA_Y

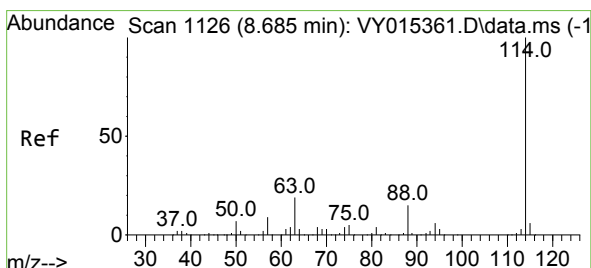
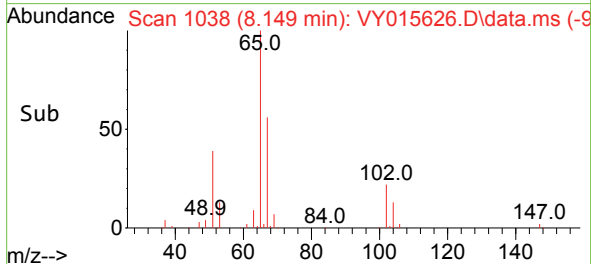
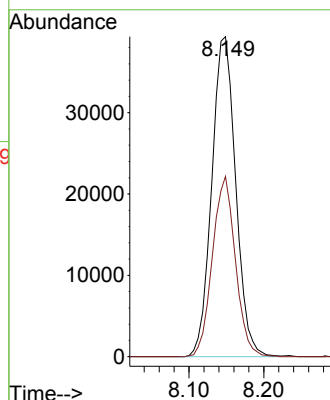
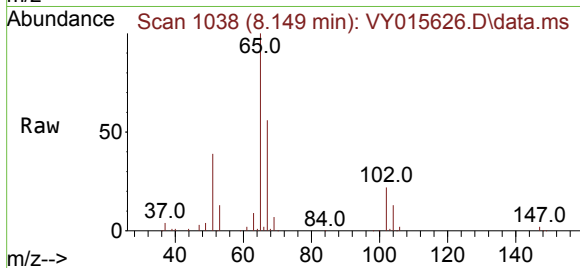
ClientSampleId :

Tgt Ion: 65 Resp: 87618

Ion Ratio Lower Upper

65 100

67 54.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY015626.D

Acq: 18 Sep 2023 19:43

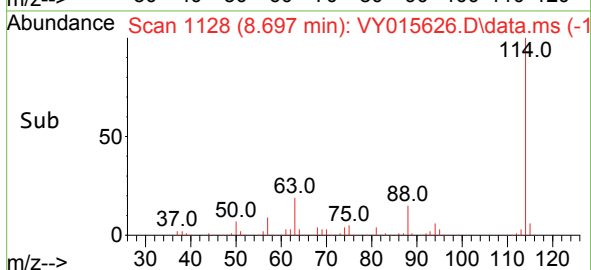
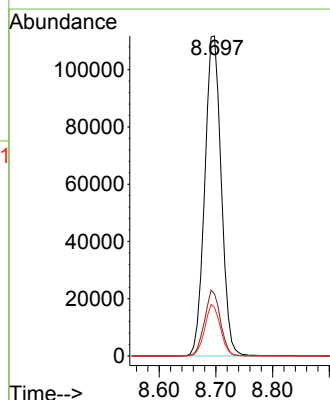
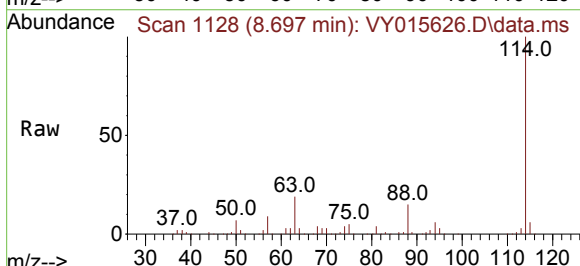
Tgt Ion: 114 Resp: 225092

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 15.2 0.0 30.6

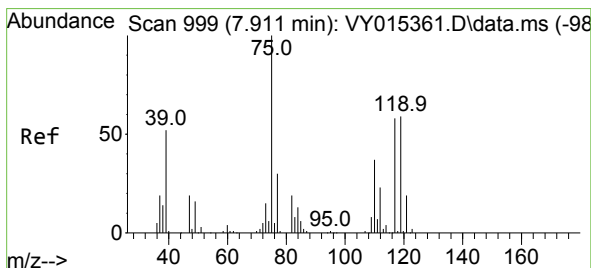
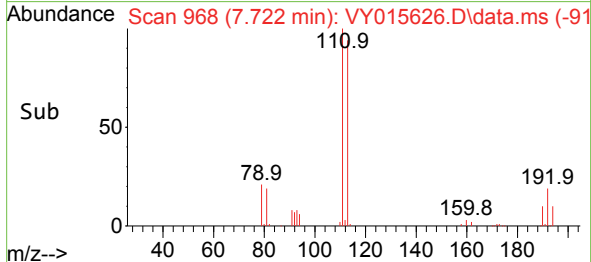
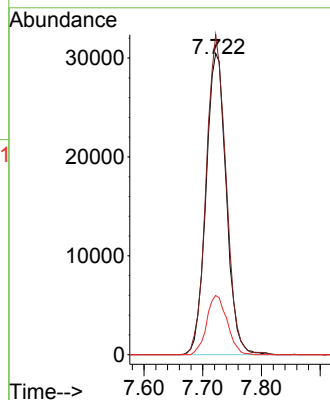
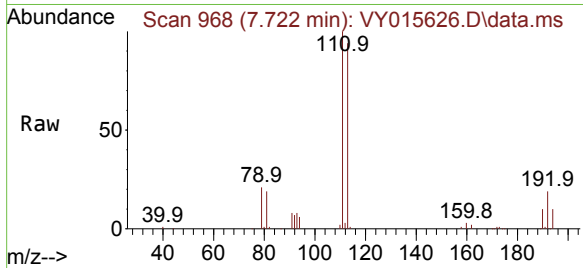




#35
Dibromofluoromethane
Concen: 56.373 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY015626.D
Acq: 18 Sep 2023 19:43

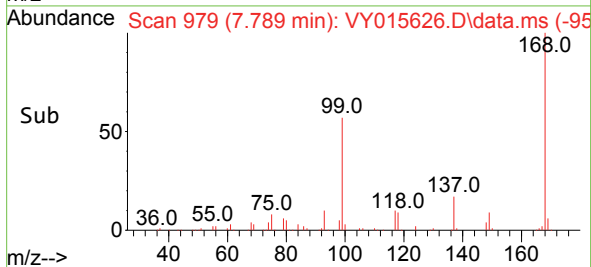
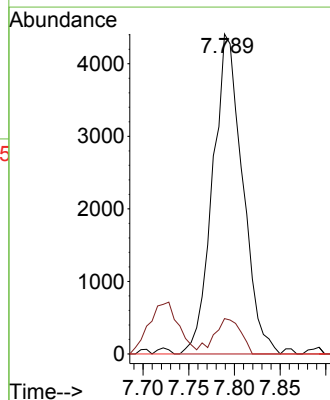
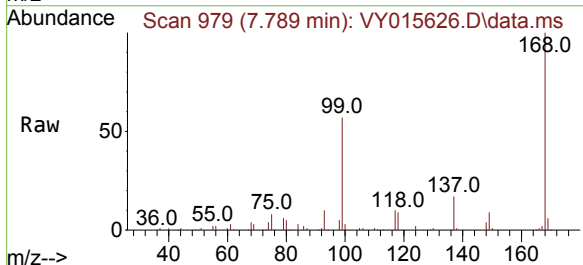
Instrument :
MSVOA_Y
ClientSampleId :

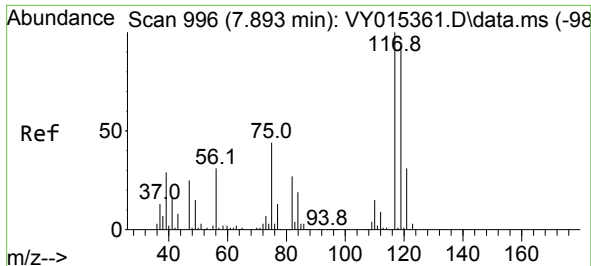
Tgt Ion:113 Resp: 73087
Ion Ratio Lower Upper
113 100
111 103.9 81.3 121.9
192 19.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.401 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015626.D
Acq: 18 Sep 2023 19:43

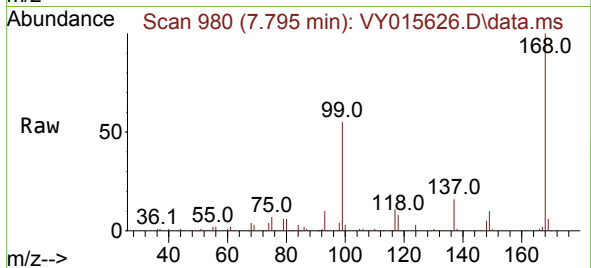
Tgt Ion: 75 Resp: 10018
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.0 24.4 36.6#



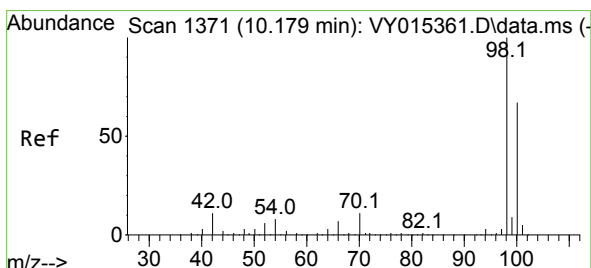
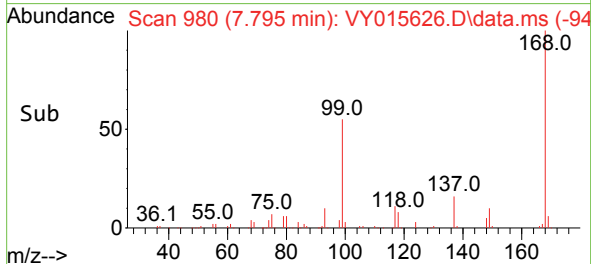
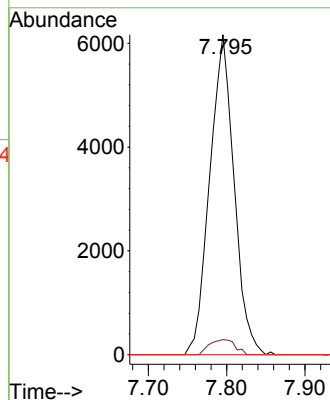


#38
Carbon Tetrachloride
Concen: 5.666 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.097 min
Lab File: VY015626.D
Acq: 18 Sep 2023 19:43

Instrument :
MSVOA_Y
ClientSampleId :

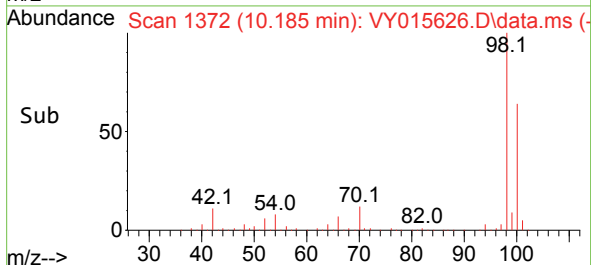
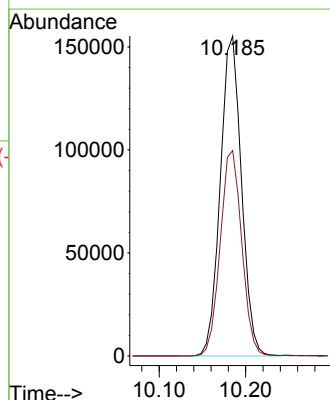
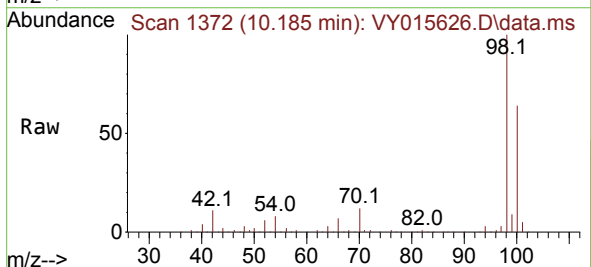


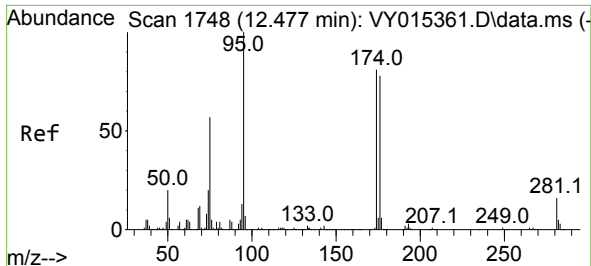
Tgt Ion:117 Resp: 13321
Ion Ratio Lower Upper
117 100
119 4.7 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 56.201 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY015626.D
Acq: 18 Sep 2023 19:43

Tgt Ion: 98 Resp: 263868
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1

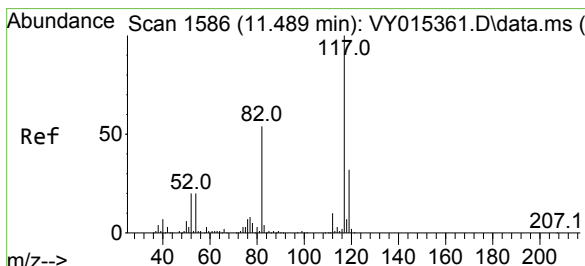
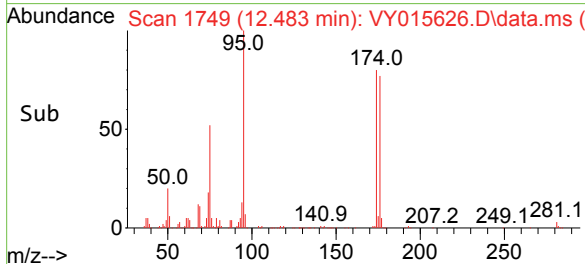
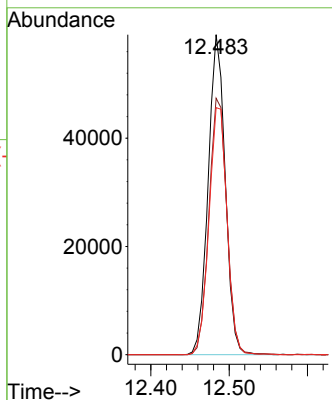
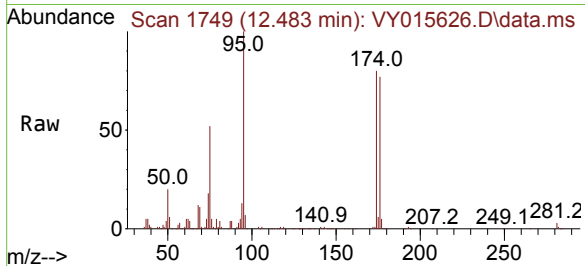




#62
4-Bromofluorobenzene
Concen: 51.344 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015626.D
Acq: 18 Sep 2023 19:43

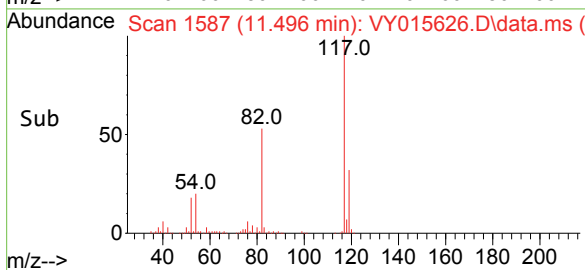
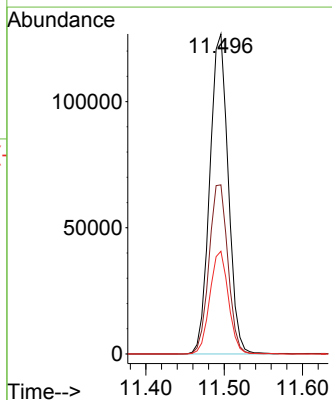
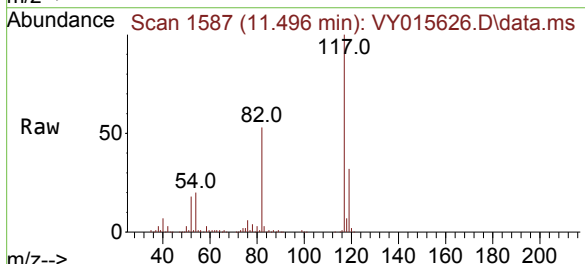
Instrument :
MSVOA_Y
ClientSampleId :

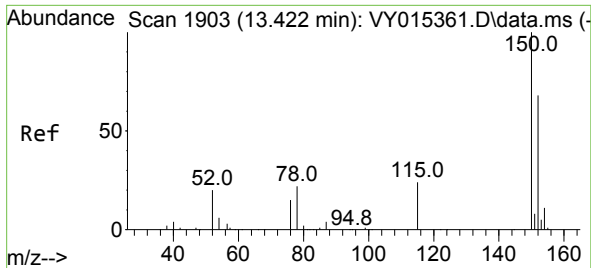
Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	178.2
176	81.8	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY015626.D
Acq: 18 Sep 2023 19:43

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.8	43.4	65.0
119	32.1	26.3	39.5

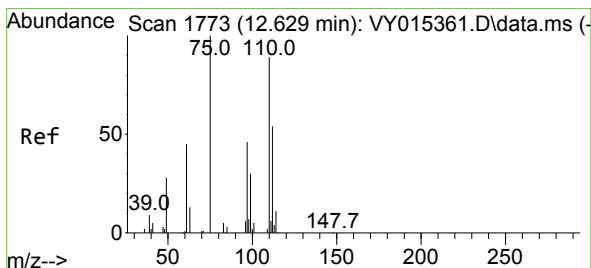
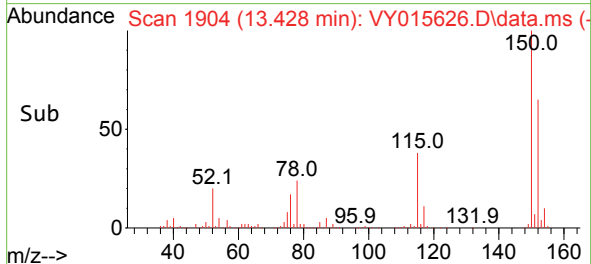
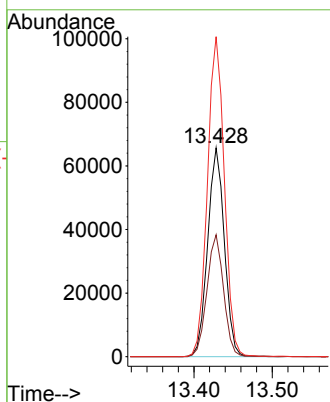
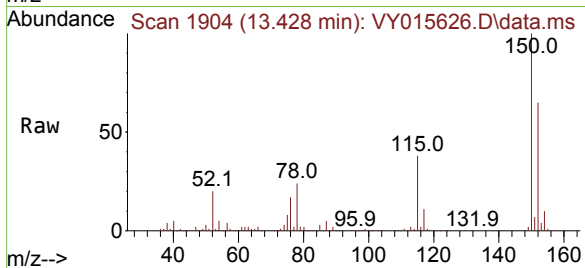




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY015626.D
 Acq: 18 Sep 2023 19:43

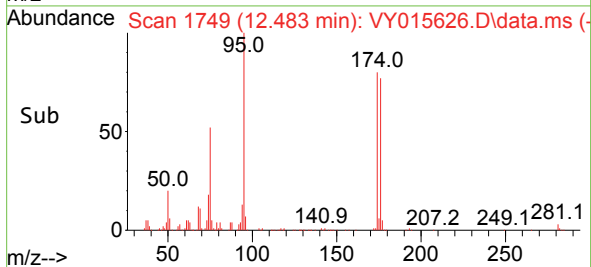
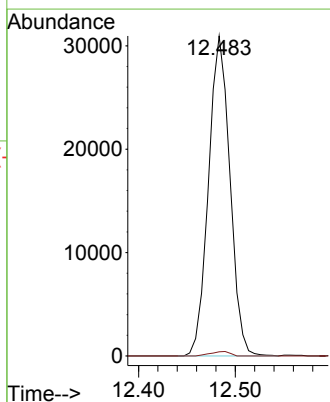
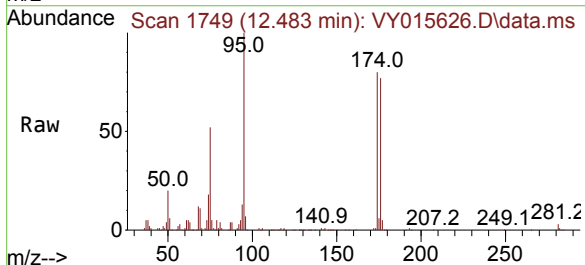
Instrument :
 MSVOA_Y
 ClientSampleId :

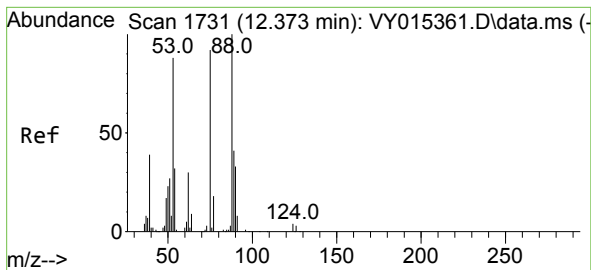
Tgt Ion:152 Resp: 97212
 Ion Ratio Lower Upper
 152 100
 115 58.1 28.8 86.5
 150 155.5 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 37.013 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY015626.D
 Acq: 18 Sep 2023 19:43

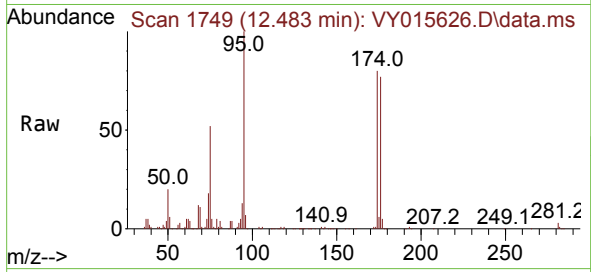
Tgt Ion: 75 Resp: 47715
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.647 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015626.D
 Acq: 18 Sep 2023 19:43

Instrument :
 MSVOA_Y
 ClientSampleId :



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

