

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091823\
 Data File : VY015627.D
 Acq On : 18 Sep 2023 20:07
 Operator : SY/MD
 Sample : 04460-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 19 02:07:35 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)

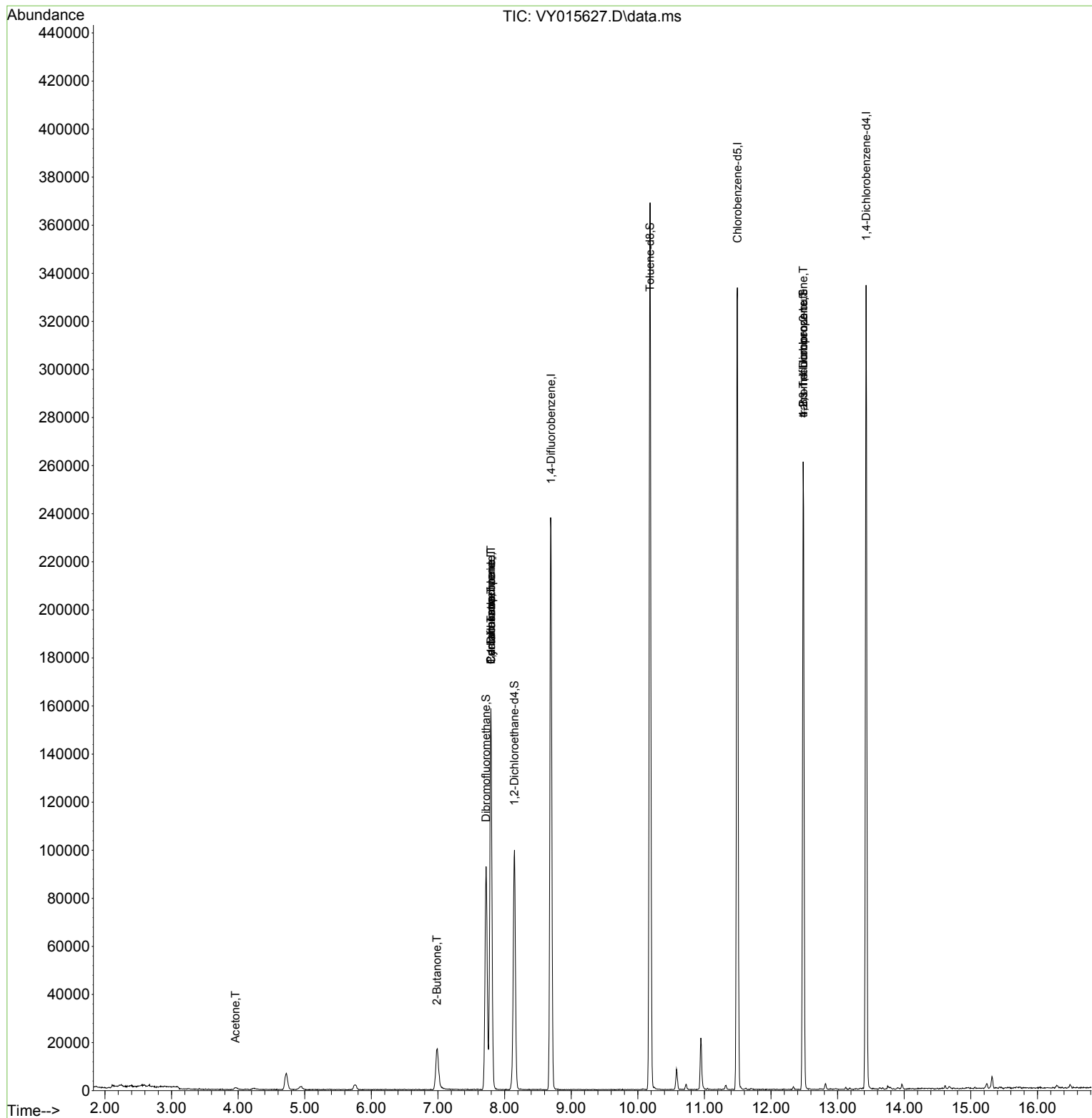
Internal Standards						
1) Pentafluorobenzene	7.795	168	122331	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	206794	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	185629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	82530	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	76238	58.136	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.280%	
35) Dibromofluoromethane	7.722	113	65973	55.389	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.780%	
50) Toluene-d8	10.185	98	241274	55.936	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.880%	
62) 4-Bromofluorobenzene	12.483	95	77769	48.567	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.140%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	871	Below Cal	#	89
16) Acetone	3.960	43	1732	3.164	ug/l #	81
20) Methylene Chloride	4.722	84	5301	Below Cal		97
25) 2-Butanone	6.984	43	1028	1.324	ug/l #	49
31) Cyclohexane	7.795	56	2543	1.092	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	9785	4.679	ug/l #	49
38) Carbon Tetrachloride	7.795	117	12310	5.699	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	41852	38.241	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	41852	84.355	ug/l #	10

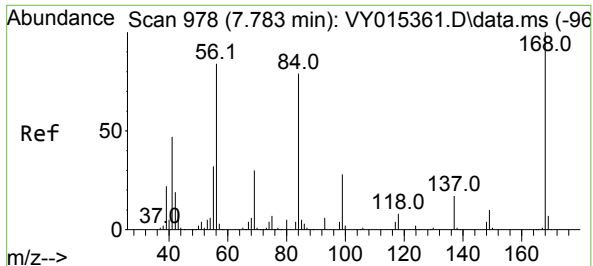
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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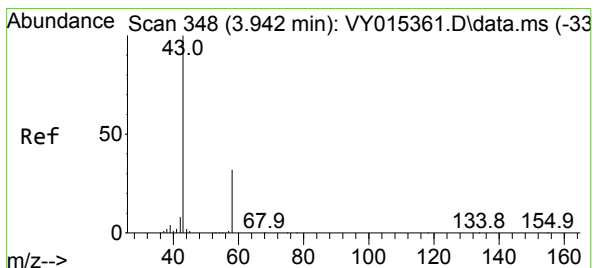
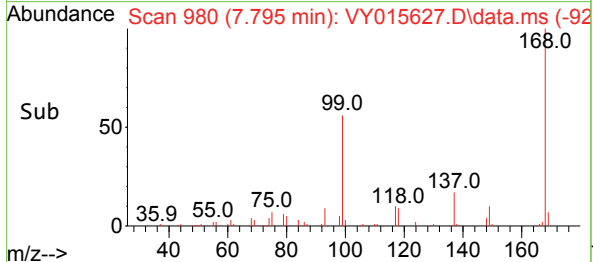
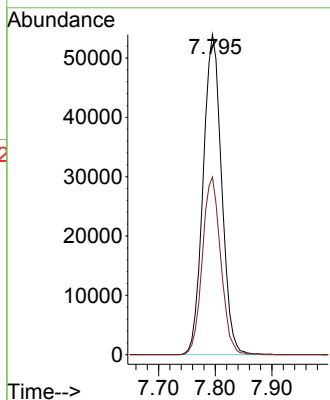
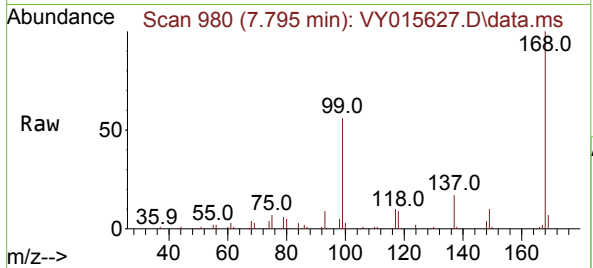




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015627.D
Acq: 18 Sep 2023 20:07

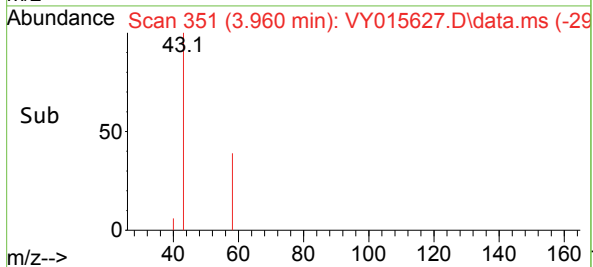
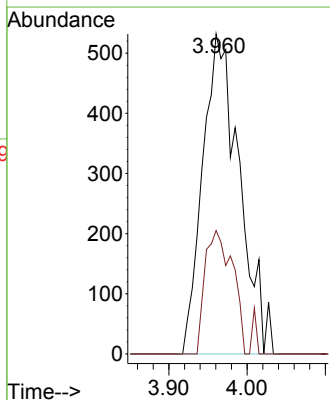
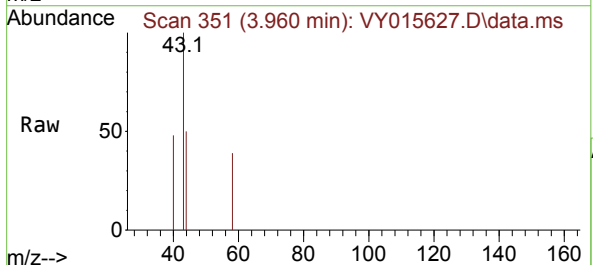
Instrument :
MSVOA_Y
ClientSampleId :

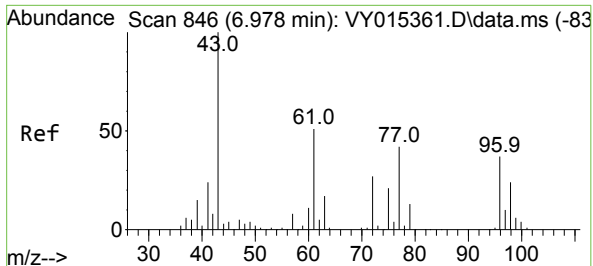
Tgt Ion:168 Resp: 122331
Ion Ratio Lower Upper
168 100
99 55.5 43.4 65.0



#16
Acetone
Concen: 3.164 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.018 min
Lab File: VY015627.D
Acq: 18 Sep 2023 20:07

Tgt Ion: 43 Resp: 1732
Ion Ratio Lower Upper
43 100
58 38.5 22.7 34.1#

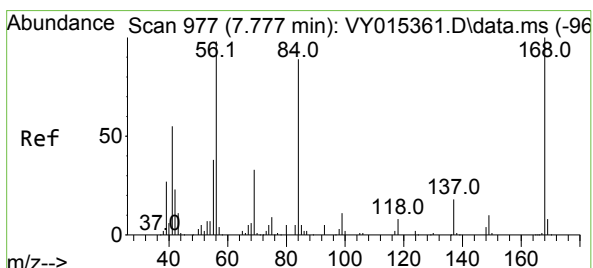
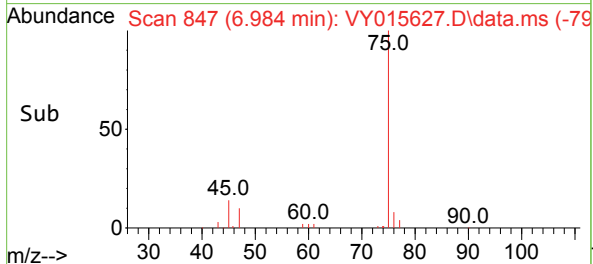
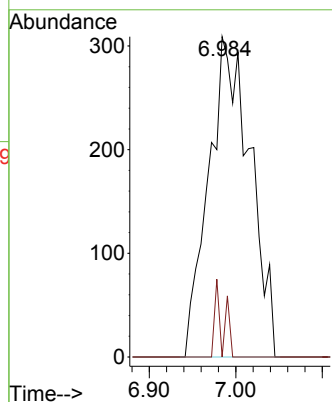
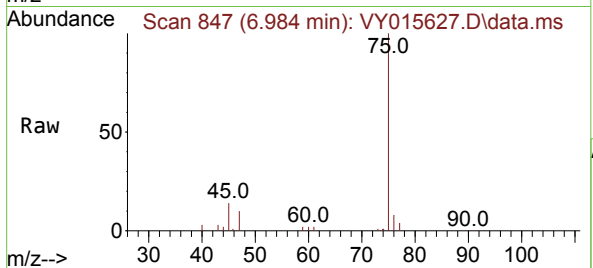




#25
2-Butanone
Concen: 1.324 ug/l
RT: 6.984 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY015627.D
Acq: 18 Sep 2023 20:07

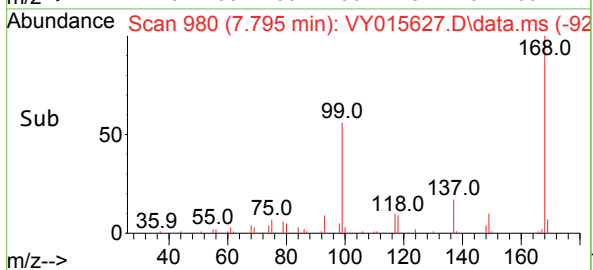
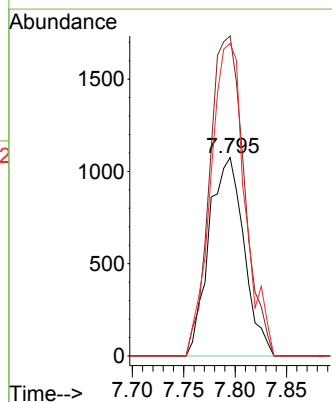
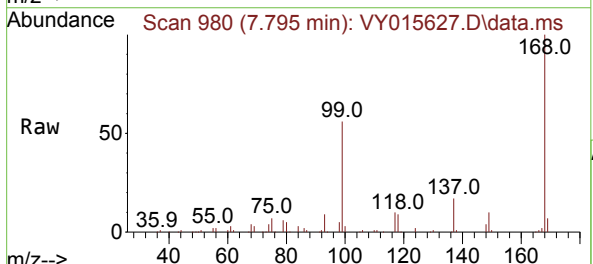
Instrument :
MSVOA_Y
ClientSampleId :

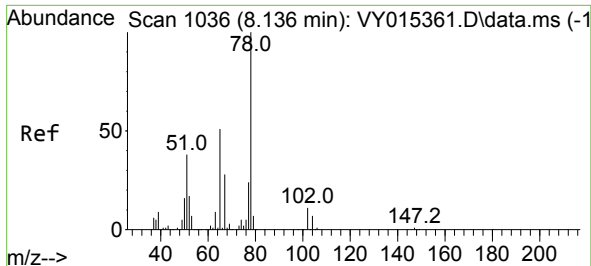
Tgt Ion: 43 Resp: 1028
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#31
Cyclohexane
Concen: 1.092 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY015627.D
Acq: 18 Sep 2023 20:07

Tgt Ion: 56 Resp: 2543
Ion Ratio Lower Upper
56 100
69 161.3 27.8 41.6#
84 157.5 66.4 99.6#

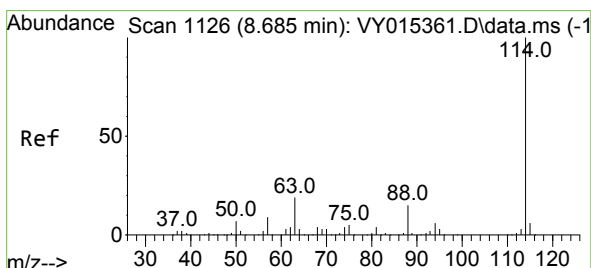
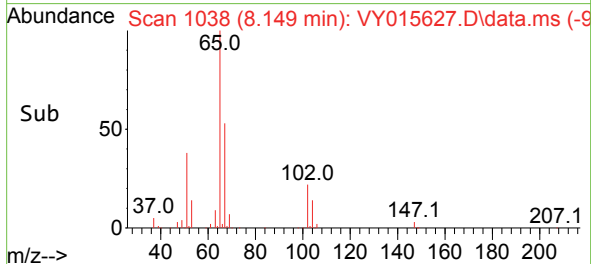
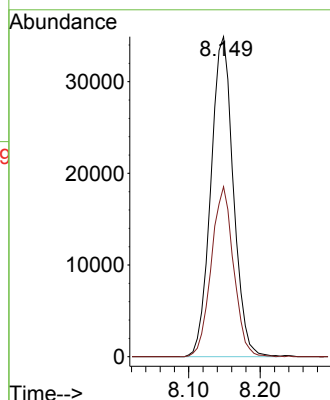
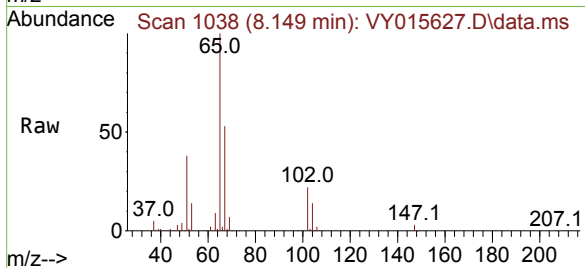




#33
 1,2-Dichloroethane-d4
 Concen: 58.136 ug/l
 RT: 8.149 min Scan# 110
 Delta R.T. 0.012 min
 Lab File: VY015627.D
 Acq: 18 Sep 2023 20:07

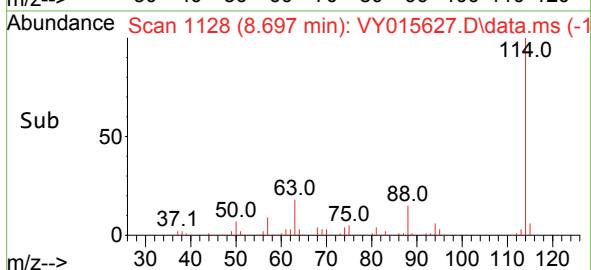
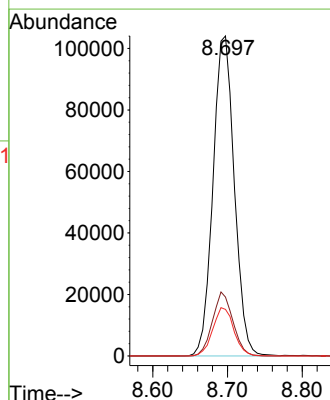
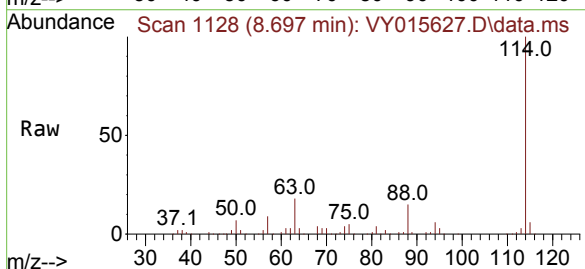
Instrument :
 MSVOA_Y
 ClientSampleId :

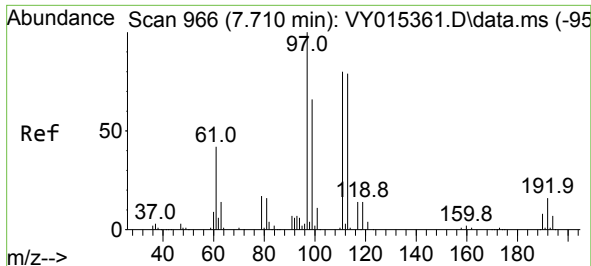
Tgt Ion: 65 Resp: 76238
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.012 min
 Lab File: VY015627.D
 Acq: 18 Sep 2023 20:07

Tgt Ion:114 Resp: 206794
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 42.4
 88 14.5 0.0 30.6

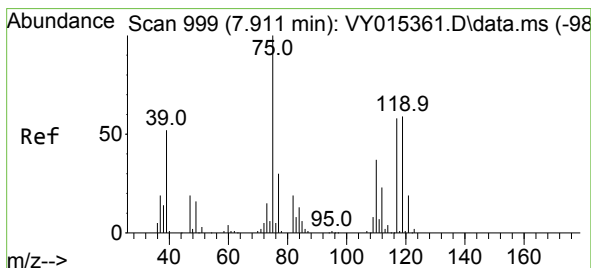
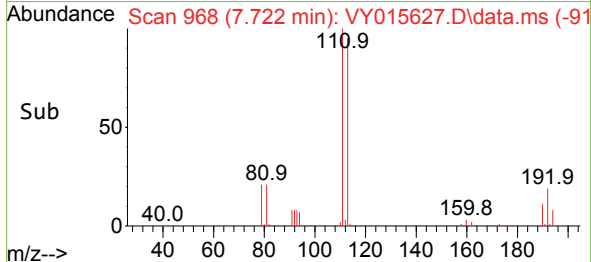
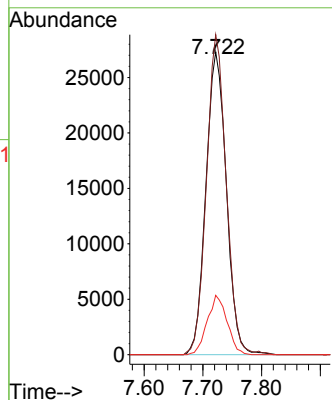
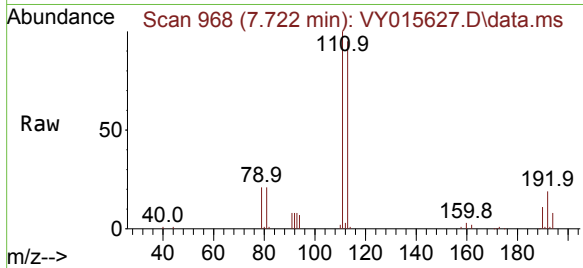




#35
Dibromofluoromethane
Concen: 55.389 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015627.D
Acq: 18 Sep 2023 20:07

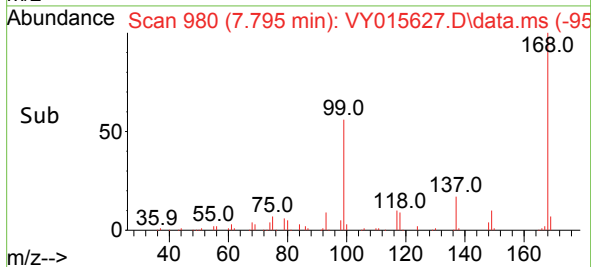
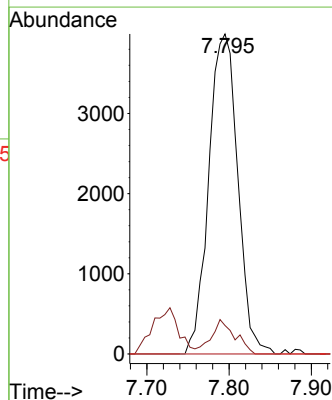
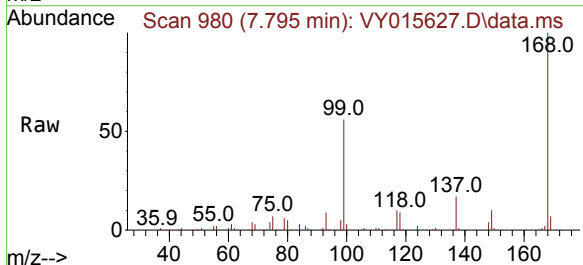
Instrument :
MSVOA_Y
ClientSampleId :

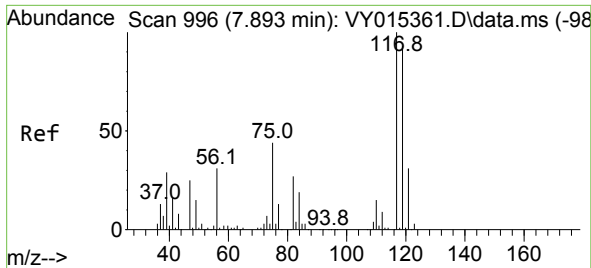
Tgt Ion:113 Resp: 65973
Ion Ratio Lower Upper
113 100
111 102.2 81.3 121.9
192 19.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.679 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY015627.D
Acq: 18 Sep 2023 20:07

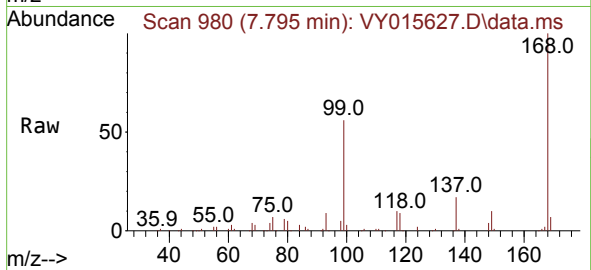
Tgt Ion: 75 Resp: 9785
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.5#
77 0.0 24.4 36.6#



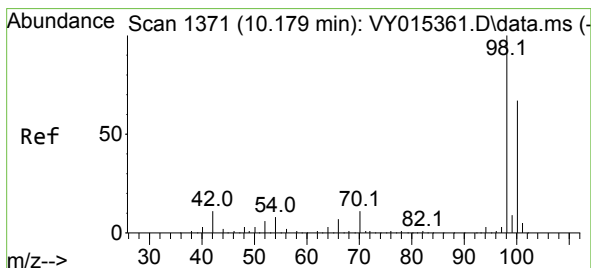
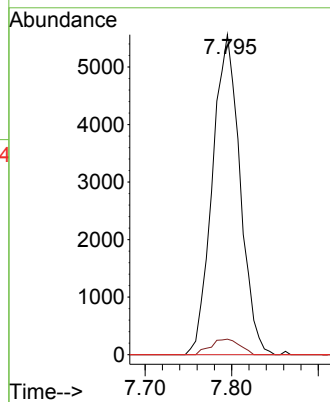
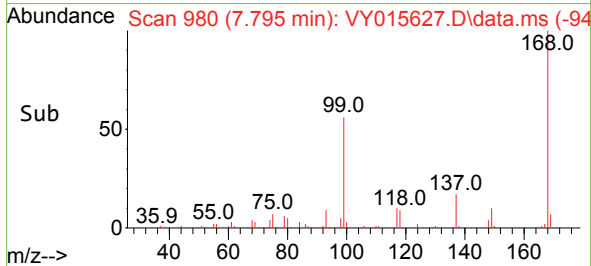


#38
Carbon Tetrachloride
Concen: 5.699 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY015627.D
Acq: 18 Sep 2023 20:07

Instrument :
MSVOA_Y
ClientSampleId :

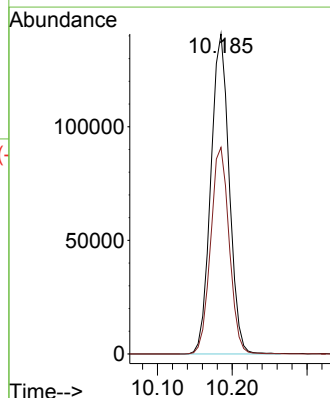
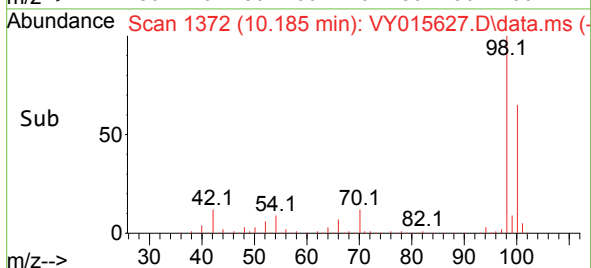
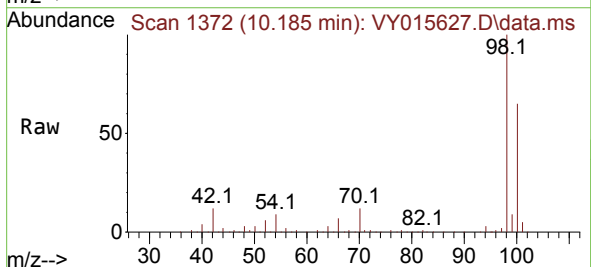


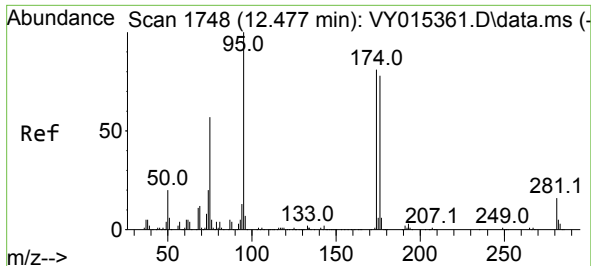
Tgt Ion:117 Resp: 12310
Ion Ratio Lower Upper
117 100
119 4.8 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 55.936 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY015627.D
Acq: 18 Sep 2023 20:07

Tgt Ion: 98 Resp: 241274
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1

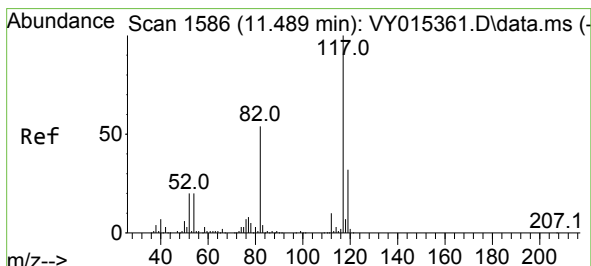
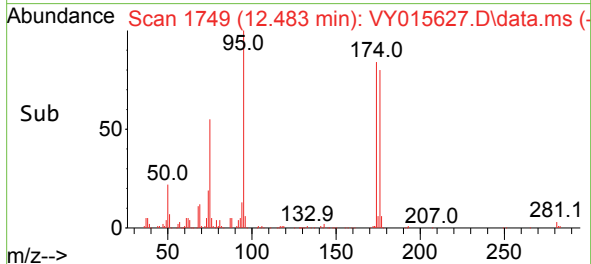
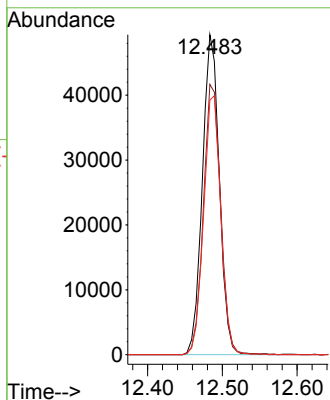
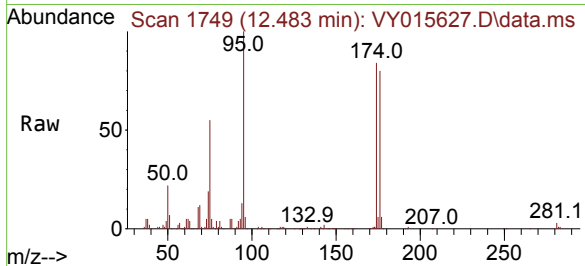




#62
4-Bromofluorobenzene
Concen: 48.567 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015627.D
Acq: 18 Sep 2023 20:07

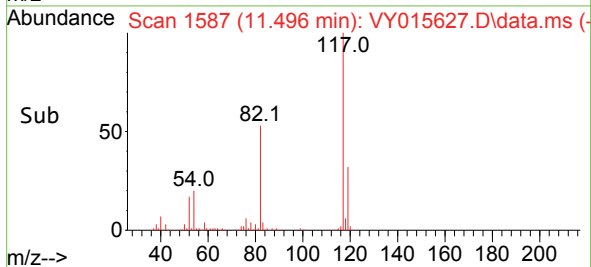
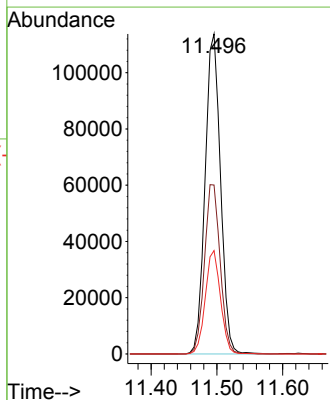
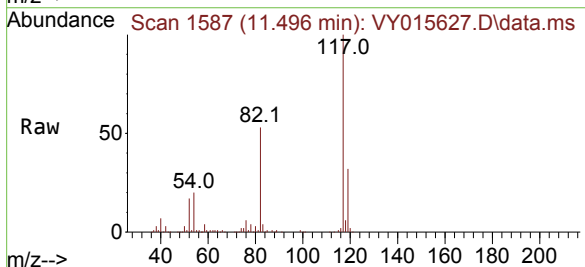
Instrument :
MSVOA_Y
ClientSampleId :

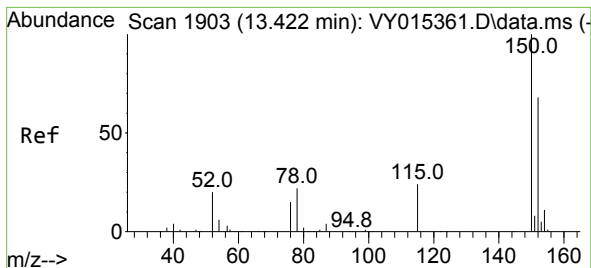
Tgt Ion: 95 Resp: 77769
Ion Ratio Lower Upper
95 100
174 85.9 0.0 178.2
176 82.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY015627.D
Acq: 18 Sep 2023 20:07

Tgt Ion: 117 Resp: 185629
Ion Ratio Lower Upper
117 100
82 52.8 43.4 65.0
119 32.3 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: VY015627.D

Acq: 18 Sep 2023 20:07

Instrument :

MSVOA_Y

ClientSampleId :

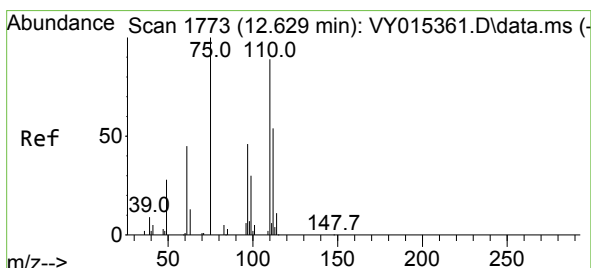
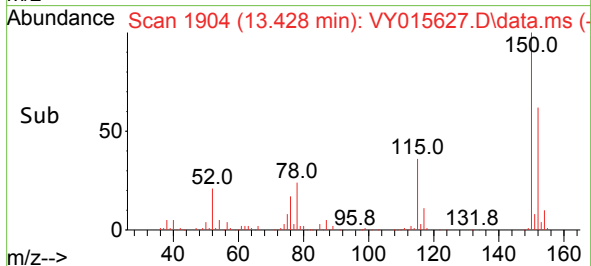
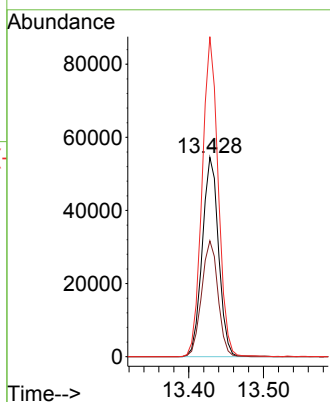
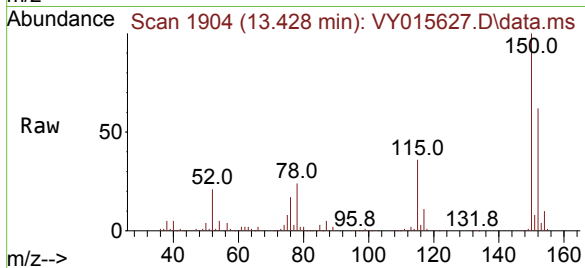
Tgt Ion:152 Resp: 82530

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 158.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 38.241 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015627.D

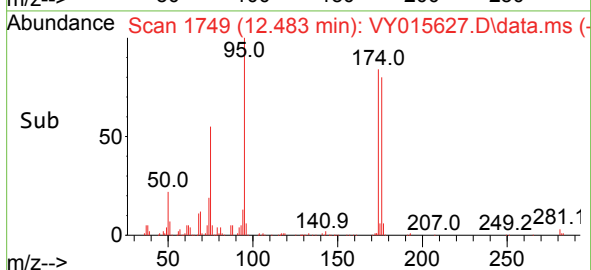
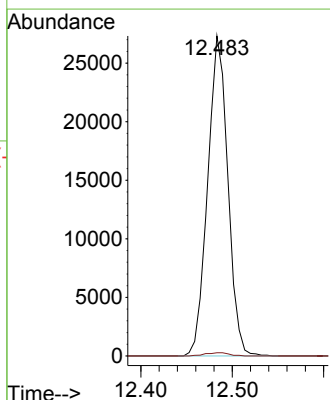
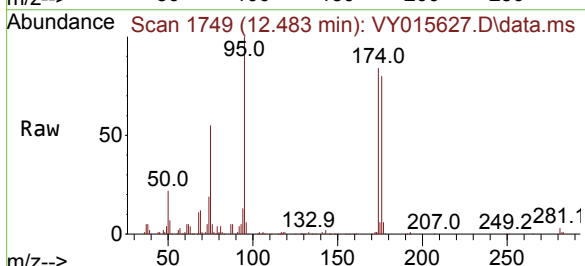
Acq: 18 Sep 2023 20:07

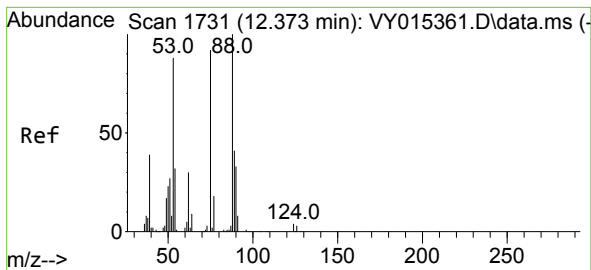
Tgt Ion: 75 Resp: 41852

Ion Ratio Lower Upper

75 100

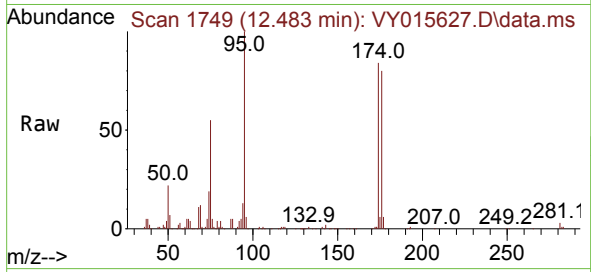
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.355 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015627.D
 Acq: 18 Sep 2023 20:07

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#

