

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072423\
 Data File : VY014783.D
 Acq On : 24 Jul 2023 19:28
 Operator : SY/MD
 Sample : 03724-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 185465

Quant Time: Jul 25 01:32:44 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)

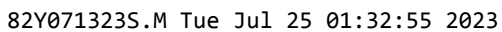
Internal Standards						
1) Pentafluorobenzene	7.789	168	179177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	314073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	299883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	142987	50.000	ug/l	0.00

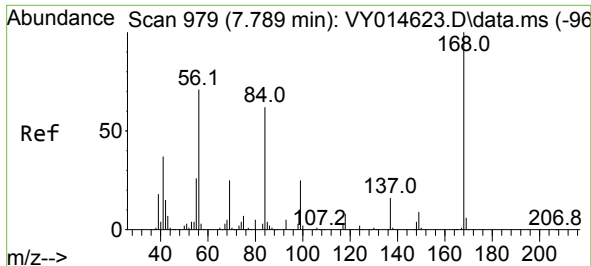
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	112845	55.268	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.540%
35) Dibromofluoromethane	7.716	113	98191	49.112	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.220%
50) Toluene-d8	10.179	98	369258	50.096	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.200%
62) 4-Bromofluorobenzene	12.477	95	138537	49.016	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.040%

Target Compounds					Qvalue	
10) Methyl Iodide	4.088	142	154	2.443	ug/l #	38
11) Tert butyl alcohol	4.936	59	2614	Below Cal	#	94
16) Acetone	3.954	43	758	1.172	ug/l #	79
20) Methylene Chloride	4.710	84	12947	2.116	ug/l	86
25) 2-Butanone	6.966	43	2388	2.523	ug/l #	49
31) Cyclohexane	7.783	56	3896	1.149	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	13873	4.640	ug/l #	49
38) Carbon Tetrachloride	7.783	117	17785	5.627	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	73721	40.823	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	73721	79.040	ug/l #	10

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

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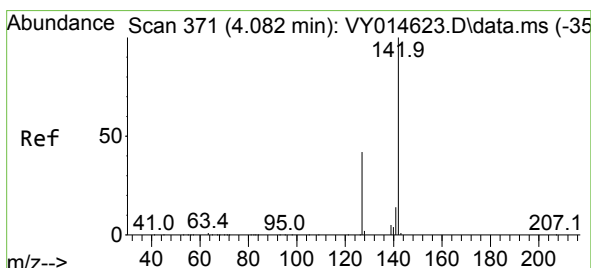
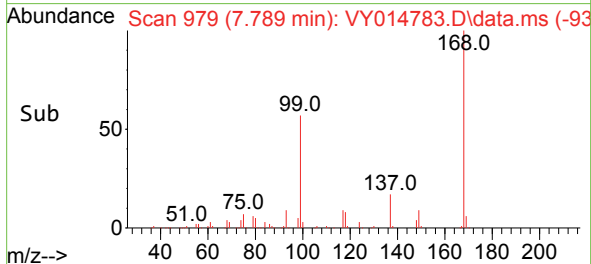
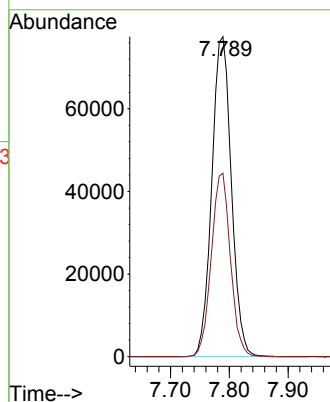
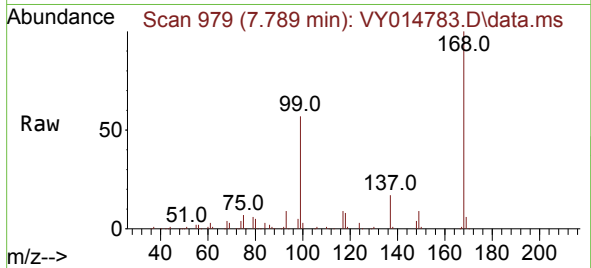




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014783.D
Acq: 24 Jul 2023 19:28

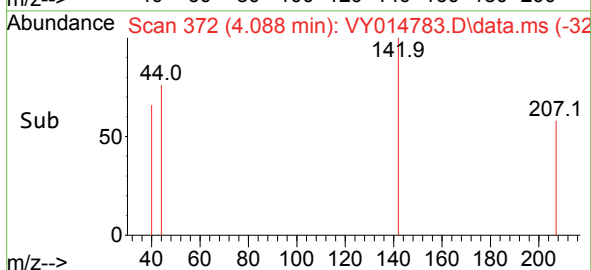
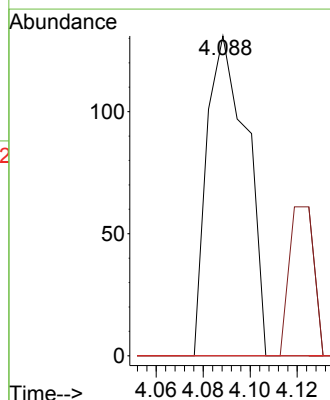
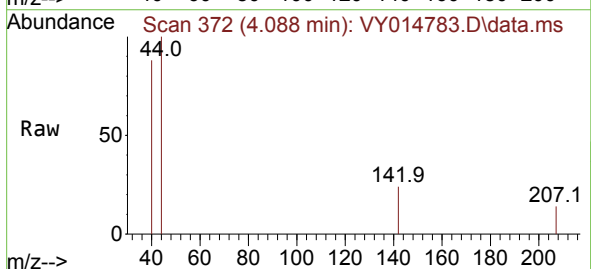
Instrument :
MSVOA_Y
ClientSampleId :
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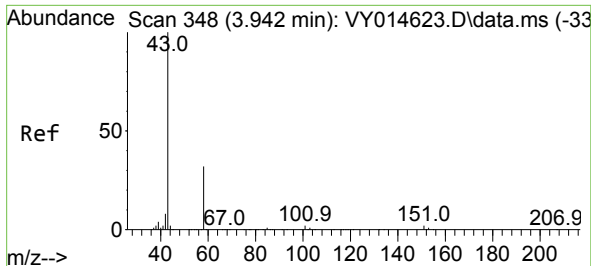
Tgt Ion:168 Resp: 179177
Ion Ratio Lower Upper
168 100
99 57.4 43.4 65.0



#10
Methyl Iodide
Concen: 2.443 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY014783.D
Acq: 24 Jul 2023 19:28

Tgt Ion:142 Resp: 154
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 1.172 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY014783.D

Acq: 24 Jul 2023 19:28

Instrument :

MSVOA_Y

ClientSampleId :

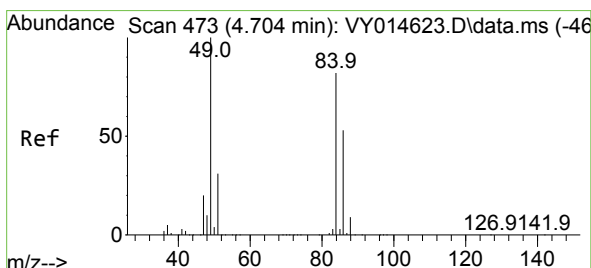
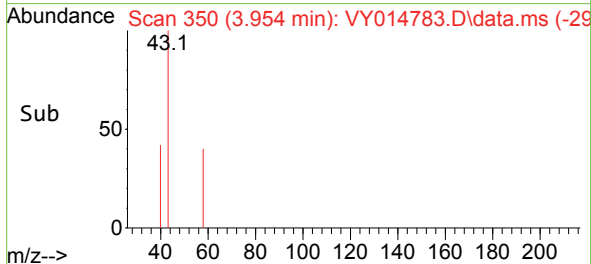
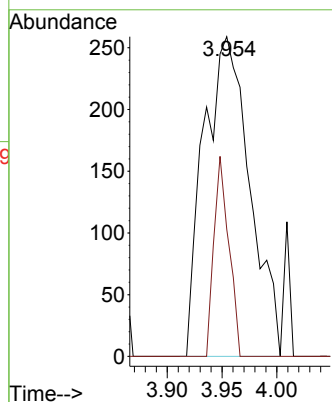
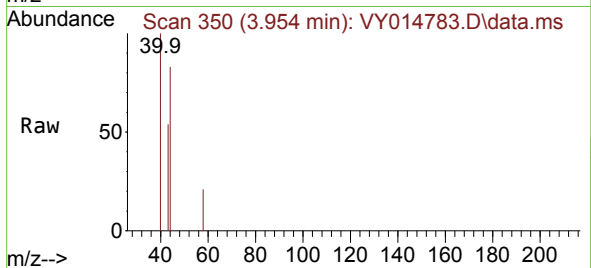
185465

Tgt Ion: 43 Resp: 758

Ion Ratio Lower Upper

43 100

58 39.8 22.7 34.1#



#20

Methylene Chloride

Concen: 2.116 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY014783.D

Acq: 24 Jul 2023 19:28

Tgt Ion: 84 Resp: 12947

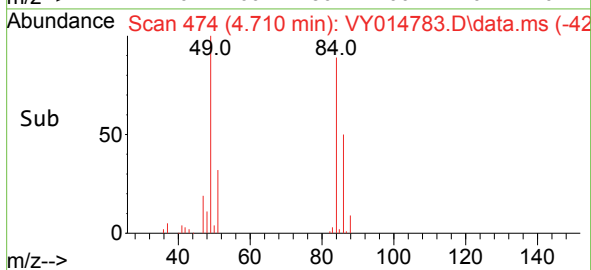
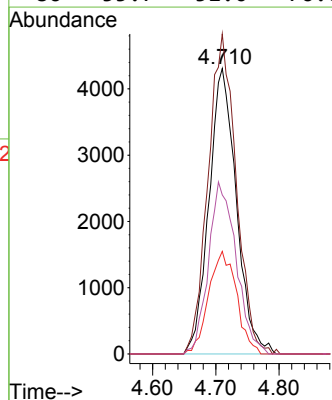
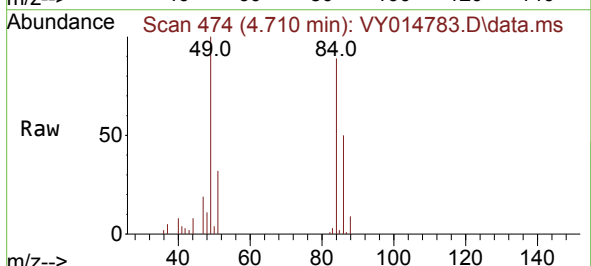
Ion Ratio Lower Upper

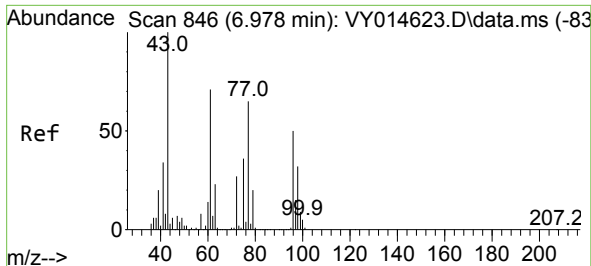
84 100

49 112.1 106.9 160.3

51 35.9 33.2 49.8

86 55.7 51.0 76.6

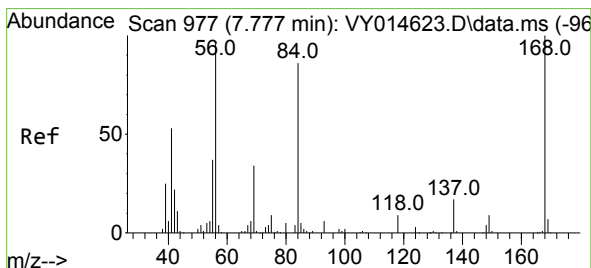
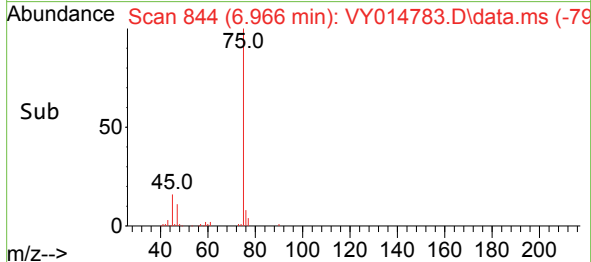
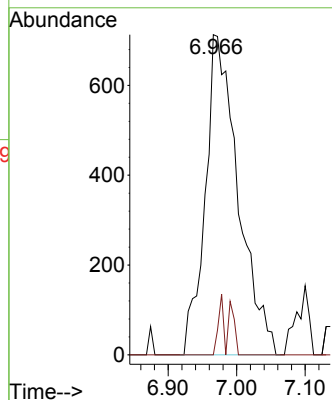
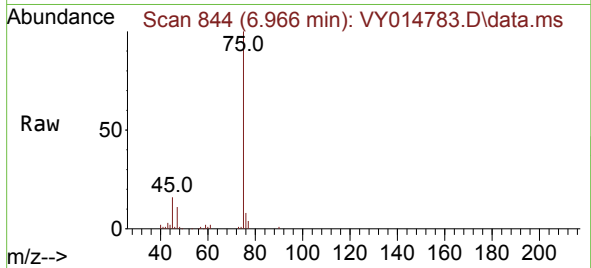




#25
2-Butanone
Concen: 2.523 ug/l
RT: 6.966 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY014783.D
Acq: 24 Jul 2023 19:28

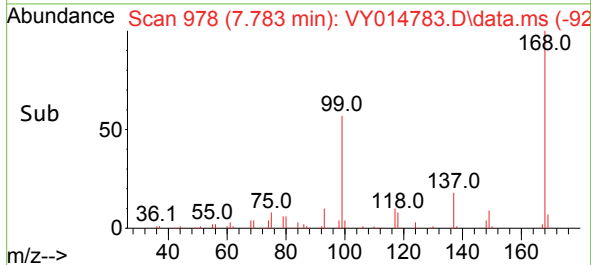
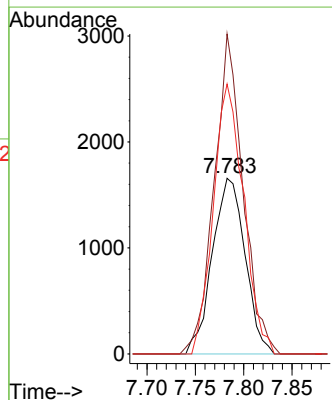
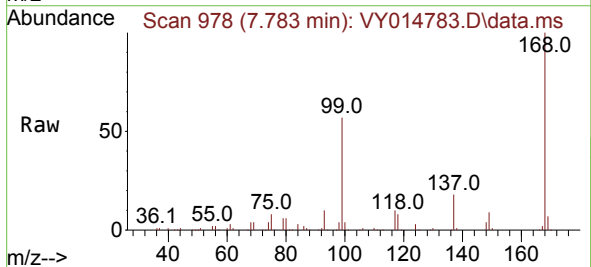
Instrument :
MSVOA_Y
ClientSampleId :
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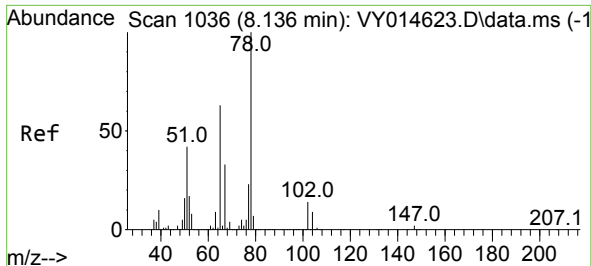
Tgt Ion: 43 Resp: 2388
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#31
Cyclohexane
Concen: 1.149 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY014783.D
Acq: 24 Jul 2023 19:28

Tgt Ion: 56 Resp: 3896
Ion Ratio Lower Upper
56 100
69 182.2 27.8 41.6#
84 153.7 66.4 99.6#

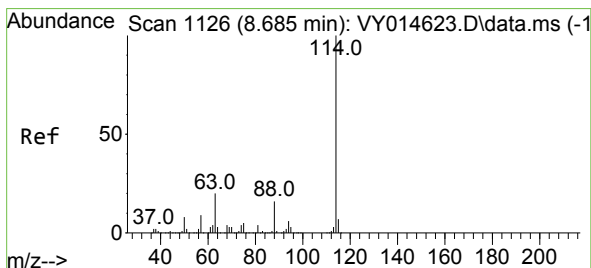
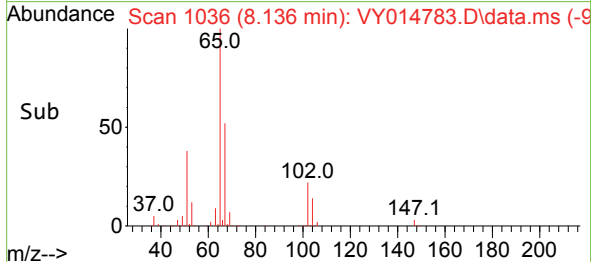
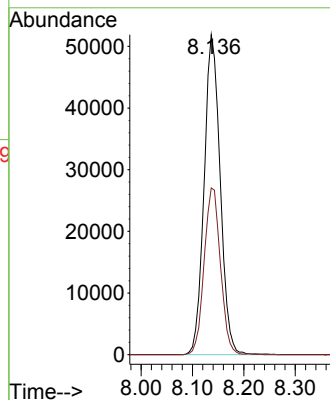
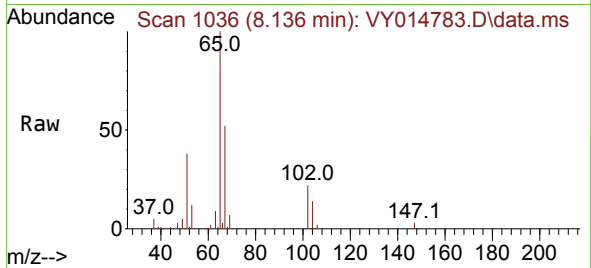




#33
 1,2-Dichloroethane-d4
 Concen: 55.268 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY014783.D
 Acq: 24 Jul 2023 19:28

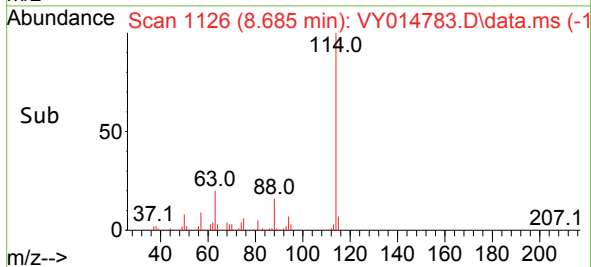
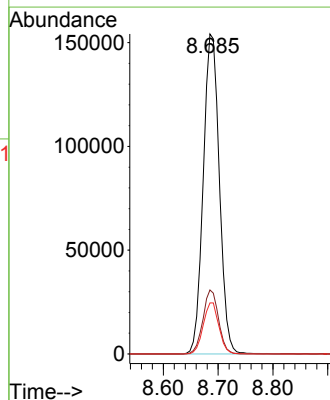
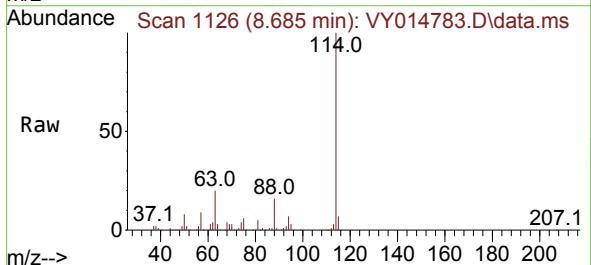
Instrument :
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 ClientSampleId :
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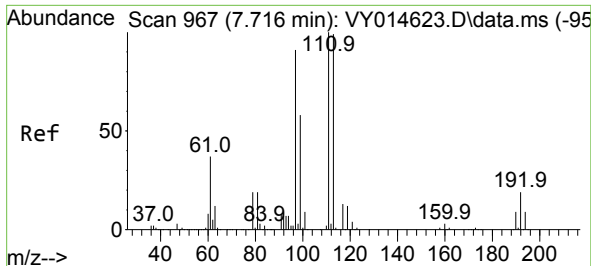
Tgt Ion: 65 Resp: 112845
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY014783.D
 Acq: 24 Jul 2023 19:28

Tgt Ion:114 Resp: 314073
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.4
 88 16.0 0.0 30.6

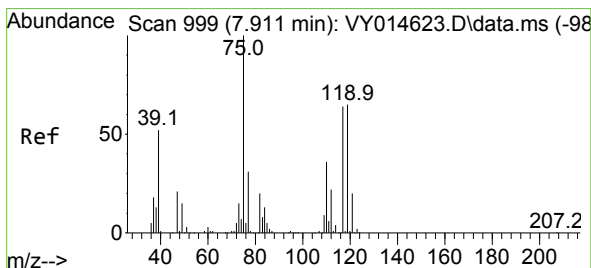
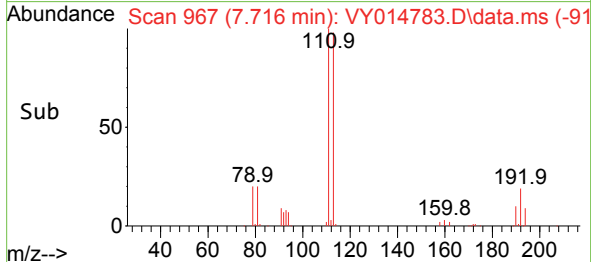
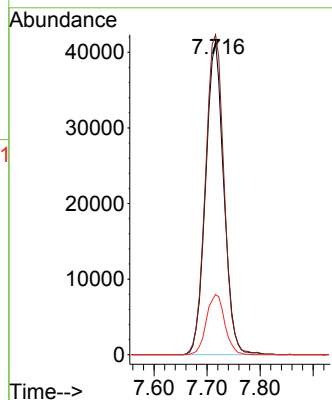
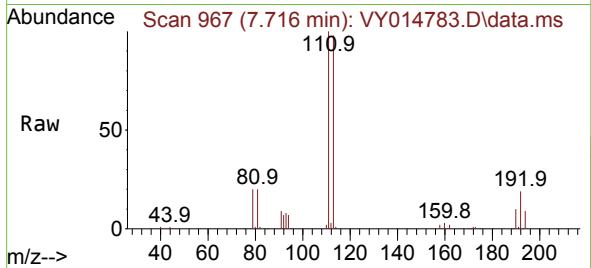




#35
Dibromofluoromethane
Concen: 49.112 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014783.D
Acq: 24 Jul 2023 19:28

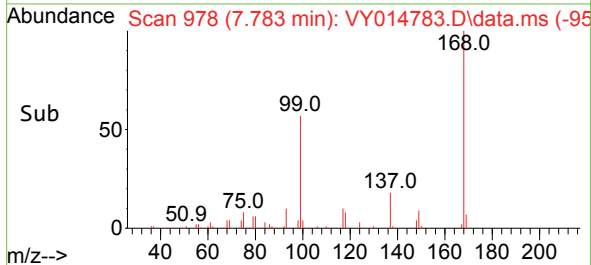
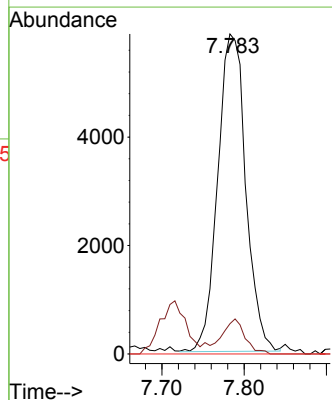
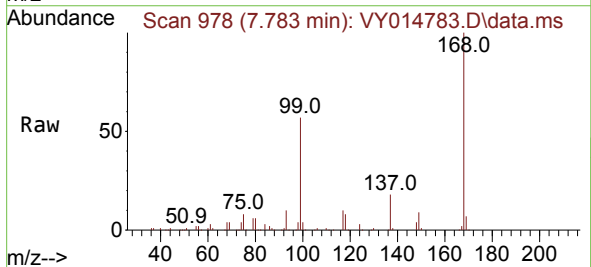
Instrument :
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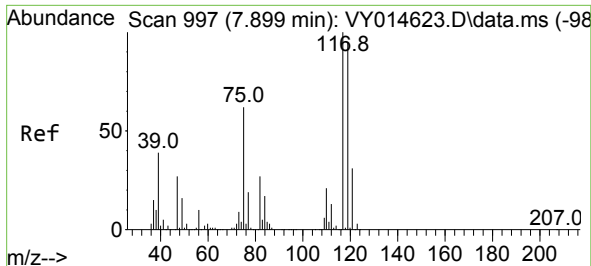
Tgt Ion:113	Resp:	98191
Ion	Ratio	Lower Upper
113	100	
111	105.1	81.3 121.9
192	19.5	16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.640 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014783.D
Acq: 24 Jul 2023 19:28

Tgt Ion: 75	Resp:	13873
Ion	Ratio	Lower Upper
75	100	
110	8.8	17.8 53.5#
77	0.0	24.4 36.6#

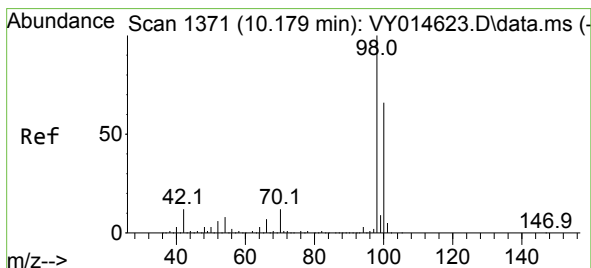
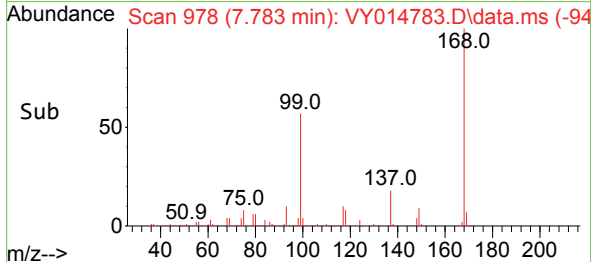
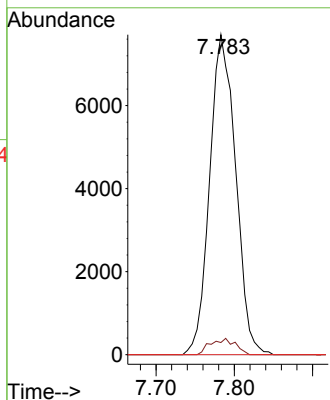
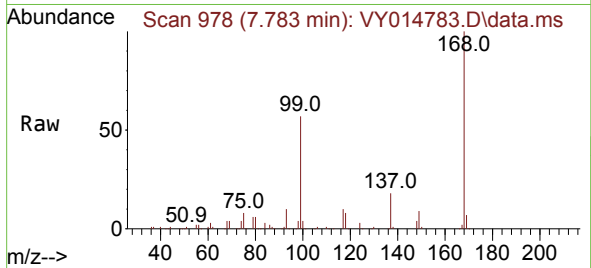




#38
Carbon Tetrachloride
Concen: 5.627 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014783.D
Acq: 24 Jul 2023 19:28

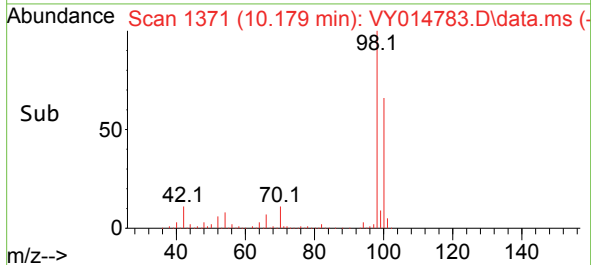
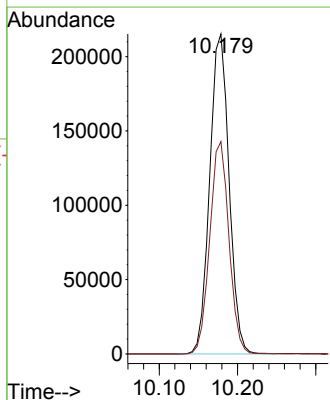
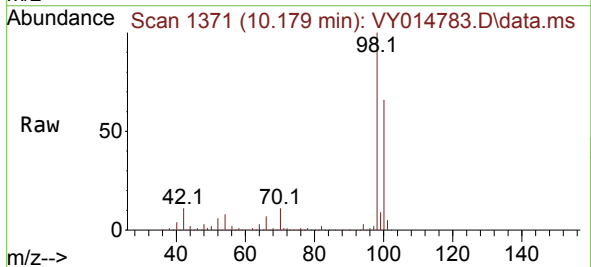
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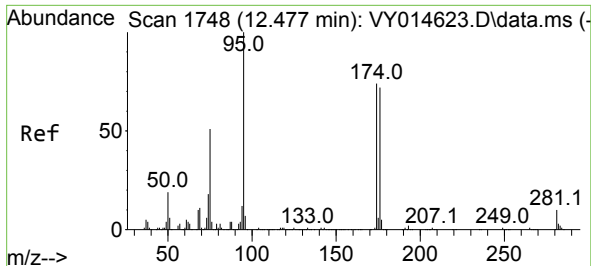
Tgt Ion:117 Resp: 17785
Ion Ratio Lower Upper
117 100
119 3.8 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.096 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014783.D
Acq: 24 Jul 2023 19:28

Tgt Ion: 98 Resp: 369258
Ion Ratio Lower Upper
98 100
100 65.9 50.1 75.1

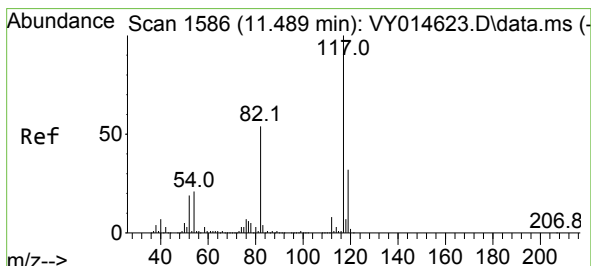
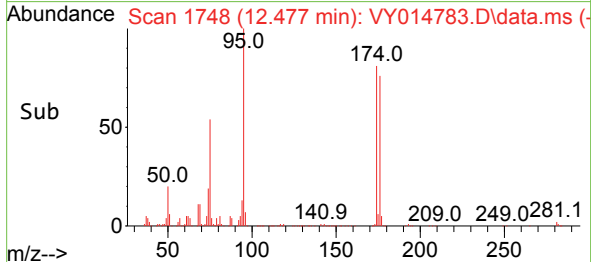
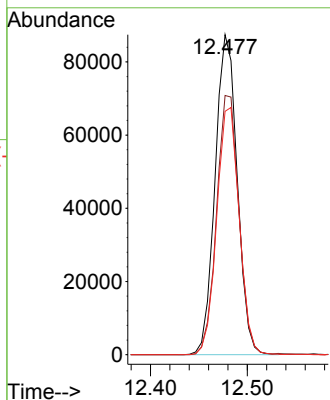
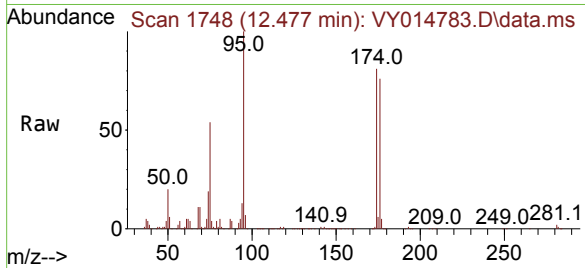




#62
4-Bromofluorobenzene
Concen: 49.016 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014783.D
Acq: 24 Jul 2023 19:28

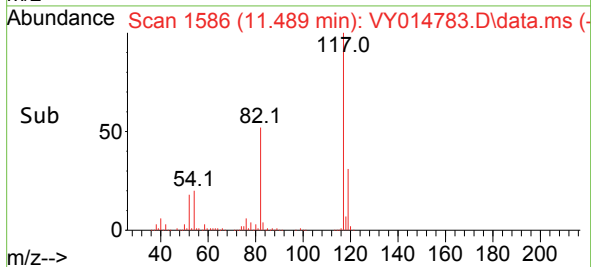
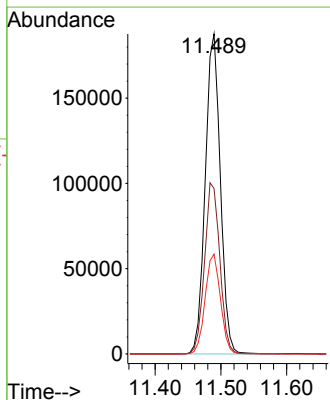
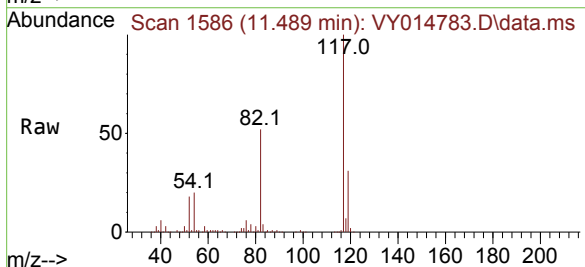
Instrument :
MSVOA_Y
ClientSampleId :
185465

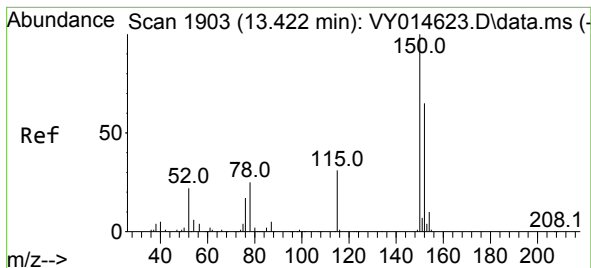
Tgt Ion: 95 Resp: 138537
Ion Ratio Lower Upper
95 100
174 81.8 0.0 178.2
176 78.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014783.D
Acq: 24 Jul 2023 19:28

Tgt Ion: 117 Resp: 299883
Ion Ratio Lower Upper
117 100
82 51.7 43.4 65.0
119 31.2 26.3 39.5

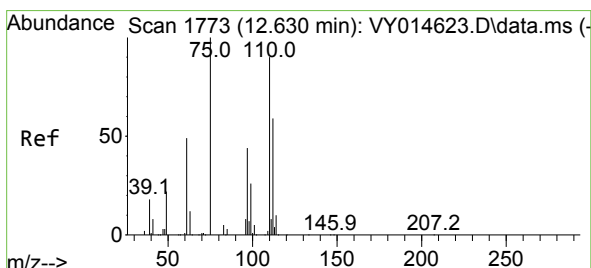
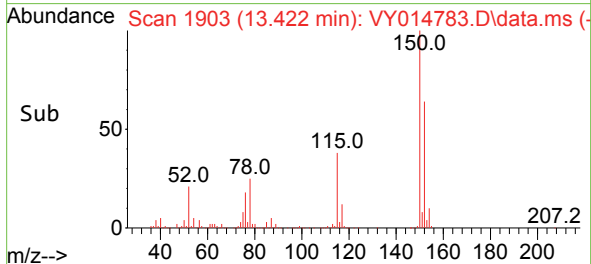
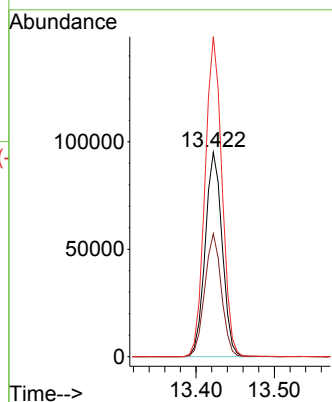
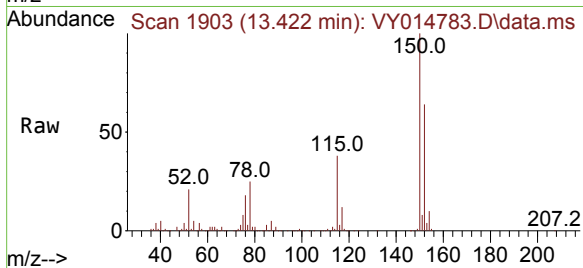




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY014783.D
 Acq: 24 Jul 2023 19:28

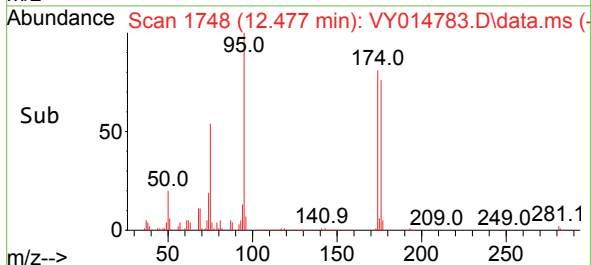
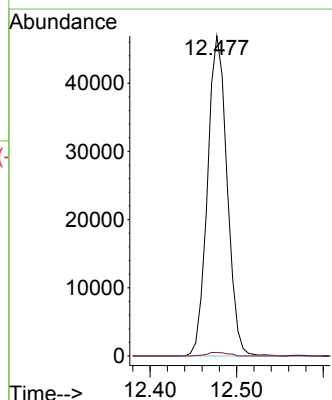
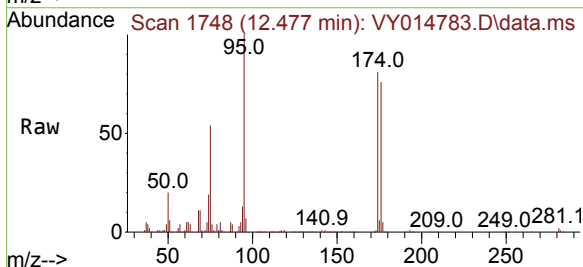
Instrument :
 MSVOA_Y
 ClientSampleId :
 185465

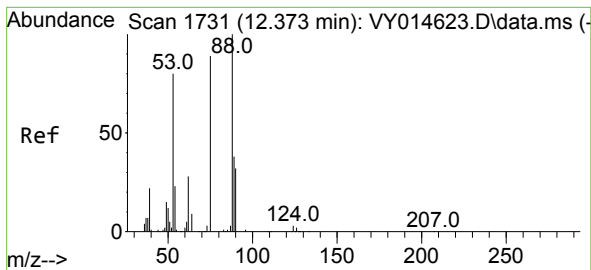
Tgt Ion:152 Resp: 142987
 Ion Ratio Lower Upper
 152 100
 115 59.0 28.8 86.5
 150 156.4 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 40.823 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY014783.D
 Acq: 24 Jul 2023 19:28

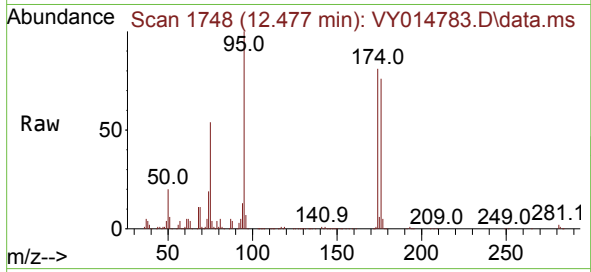
Tgt Ion: 75 Resp: 73721
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.040 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014783.D
 Acq: 24 Jul 2023 19:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 185465



Tgt Ion: 75 Resp: 73721
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

