

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014825.D
 Acq On : 26 Jul 2023 01:11
 Operator : SY/MD
 Sample : 03741-06
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P25A

Quant Time: Jul 26 03:34:56 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)

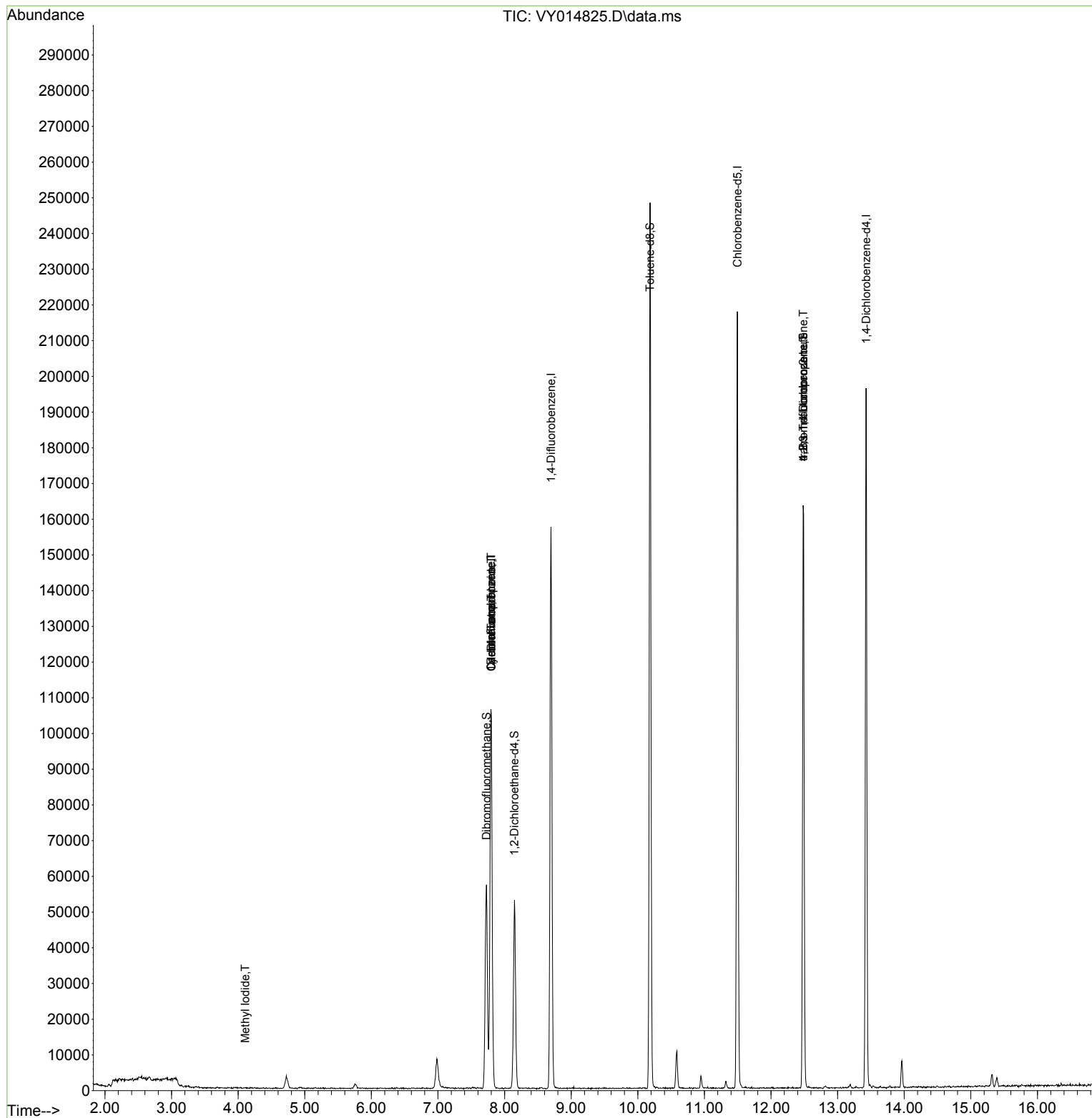
Internal Standards						
1) Pentafluorobenzene	7.795	168	82881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	136564	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	116136	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	49846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	40426	42.803	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.600%
35) Dibromofluoromethane	7.728	113	40187	46.227	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.460%
50) Toluene-d8	10.185	98	159960	49.909	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.820%
62) 4-Bromofluorobenzene	12.483	95	49861	40.572	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.140%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.107	142	214	2.590	ug/l #	38
11) Tert butyl alcohol	4.942	59	76	Below Cal	#	89
20) Methylene Chloride	4.722	84	2376	Below Cal	#	94
31) Cyclohexane	7.801	56	1790	1.142	ug/l #	6
36) 1,1-Dichloropropene	7.801	75	6519	5.014	ug/l #	50
38) Carbon Tetrachloride	7.801	117	8532	6.208	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	26312	41.796	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	26312	80.924	ug/l #	11

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

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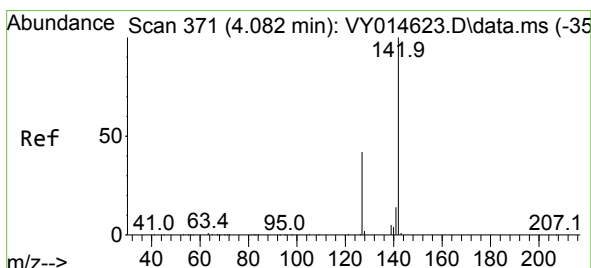
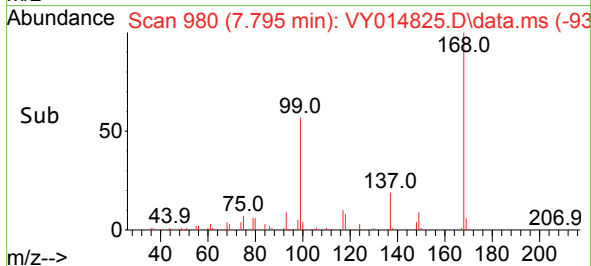
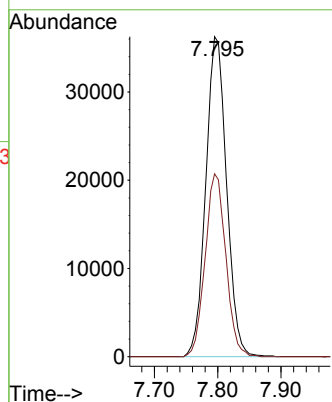
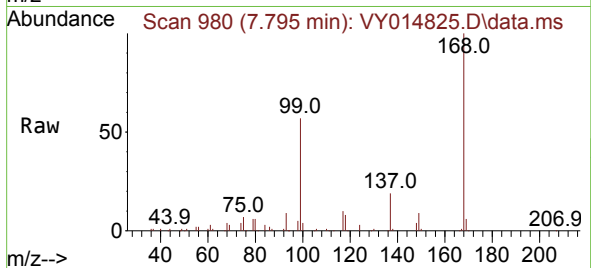




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014825.D
Acq: 26 Jul 2023 01:11

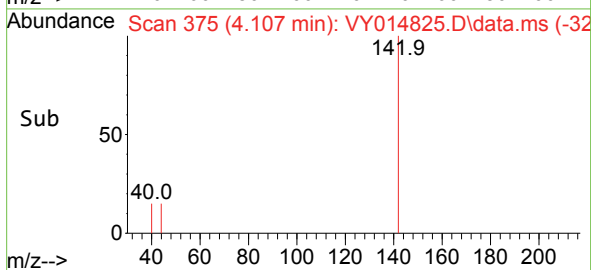
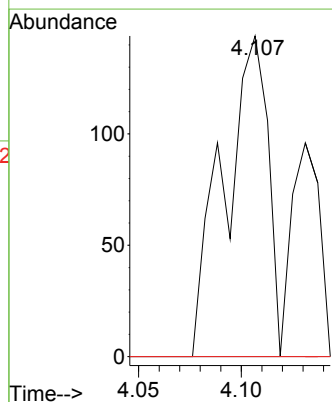
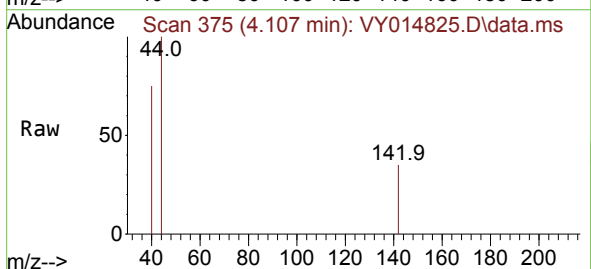
Instrument :
MSVOA_Y
ClientSampleId :
B-P25A

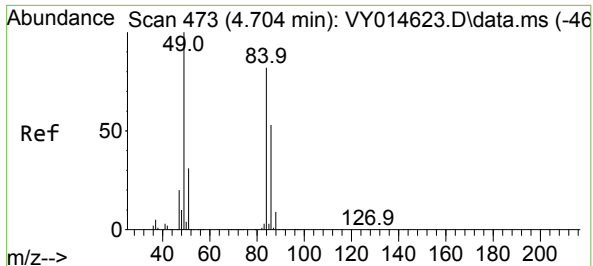
Tgt Ion:168 Resp: 82881
Ion Ratio Lower Upper
168 100
99 57.1 43.4 65.0



#10
Methyl Iodide
Concen: 2.590 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.025 min
Lab File: VY014825.D
Acq: 26 Jul 2023 01:11

Tgt Ion:142 Resp: 214
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 41

Delta R.T. 0.018 min

Lab File: VY014825.D

Acq: 26 Jul 2023 01:11

Instrument :

MSVOA_Y

ClientSampleId :

B-P25A

Tgt Ion: 84 Resp: 2376

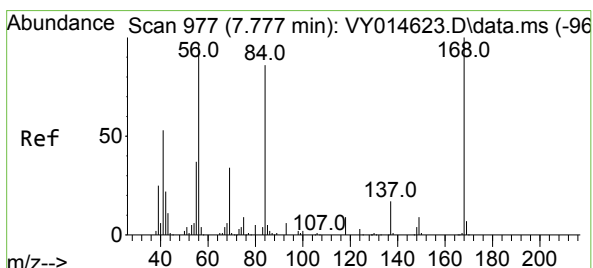
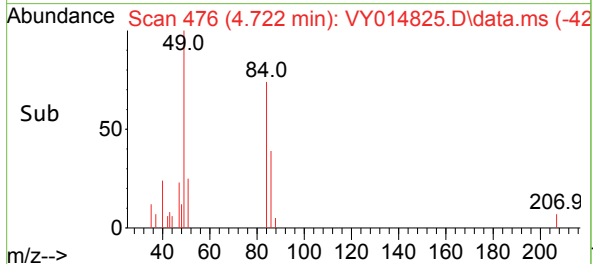
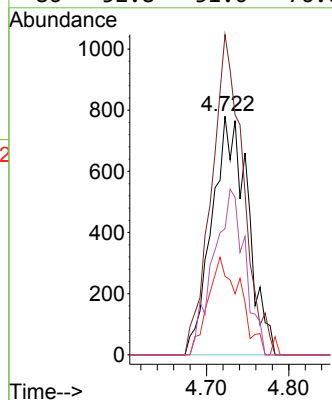
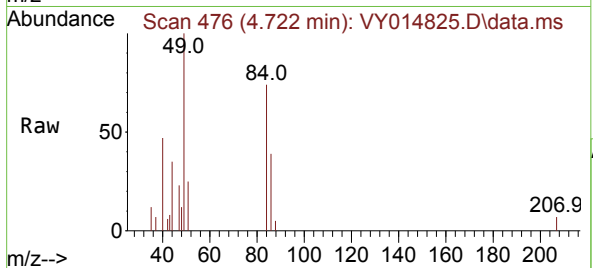
Ion Ratio Lower Upper

84 100

49 134.2 106.9 160.3

51 32.9 33.2 49.8#

86 52.8 51.0 76.6



#31

Cyclohexane

Concen: 1.142 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.024 min

Lab File: VY014825.D

Acq: 26 Jul 2023 01:11

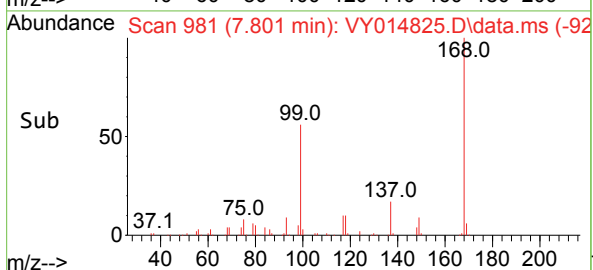
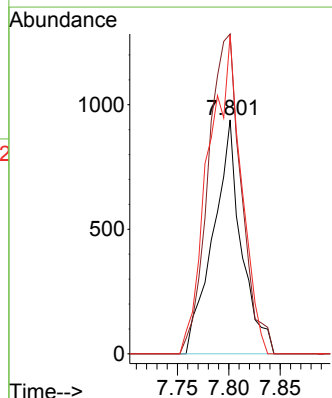
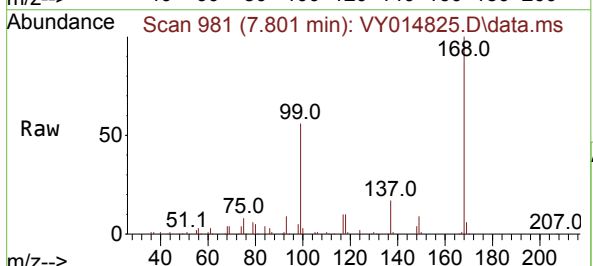
Tgt Ion: 56 Resp: 1790

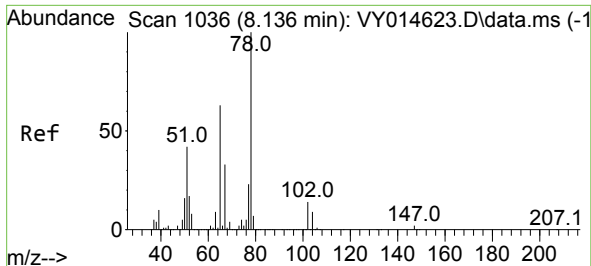
Ion Ratio Lower Upper

56 100

69 136.7 27.8 41.6#

84 136.2 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 42.803 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.013 min

Lab File: VY014825.D

Acq: 26 Jul 2023 01:11

Instrument :

MSVOA_Y

ClientSampleId :

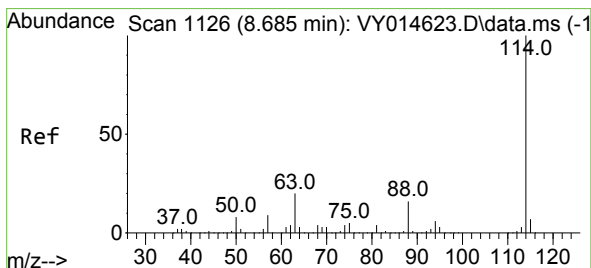
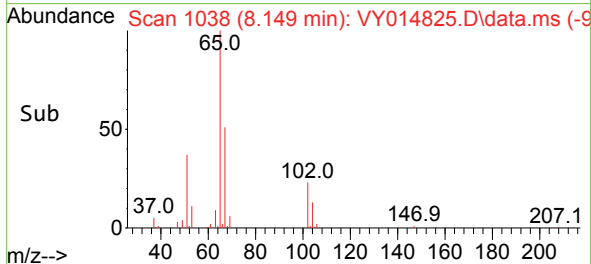
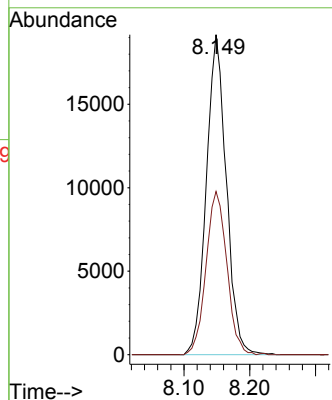
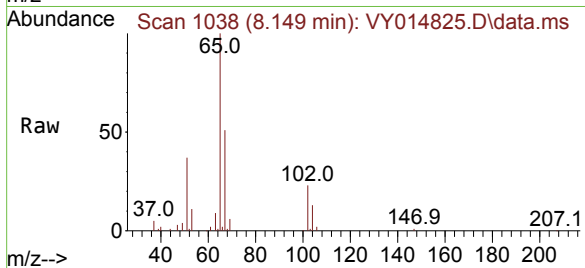
B-P25A

Tgt Ion: 65 Resp: 40426

Ion Ratio Lower Upper

65 100

67 53.3 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: VY014825.D

Acq: 26 Jul 2023 01:11

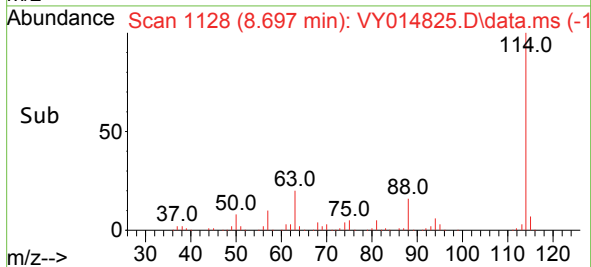
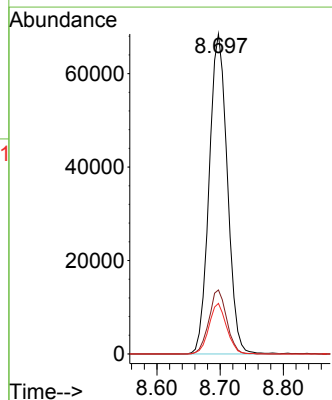
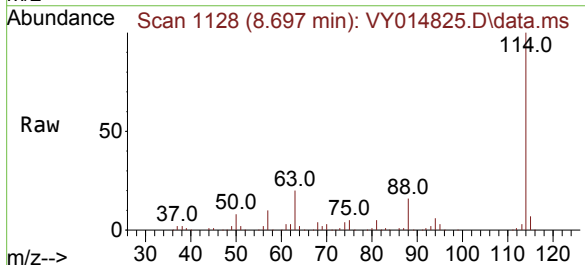
Tgt Ion: 114 Resp: 136564

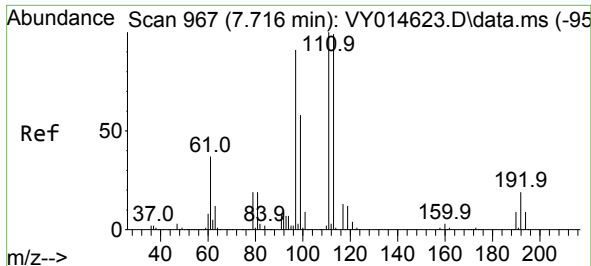
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 15.8 0.0 30.6

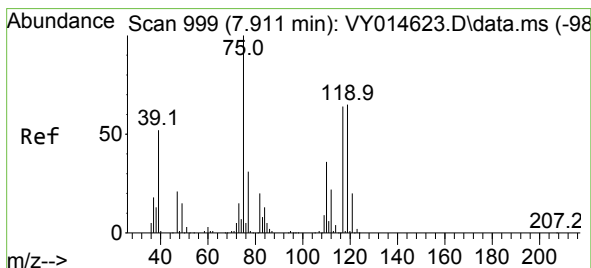
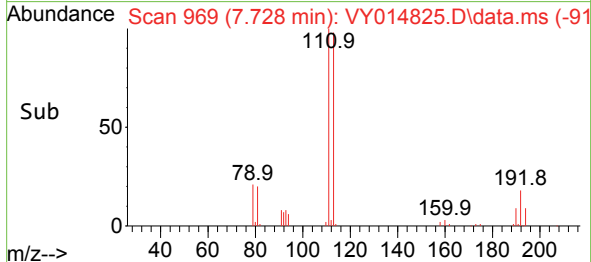
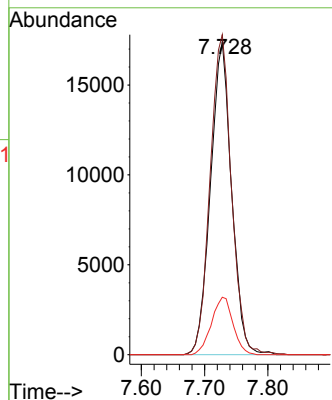
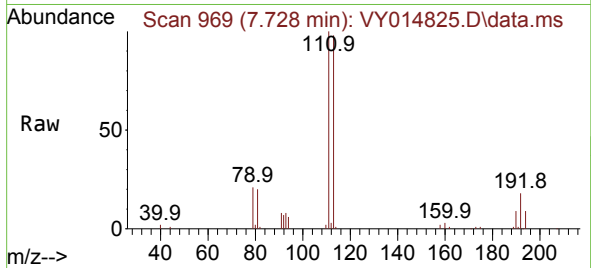




#35
Dibromofluoromethane
Concen: 46.227 ug/l
RT: 7.728 min Scan# 901
Delta R.T. 0.012 min
Lab File: VY014825.D
Acq: 26 Jul 2023 01:11

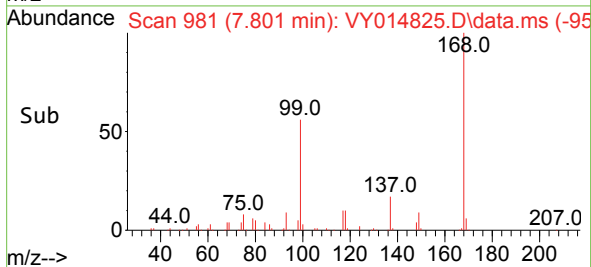
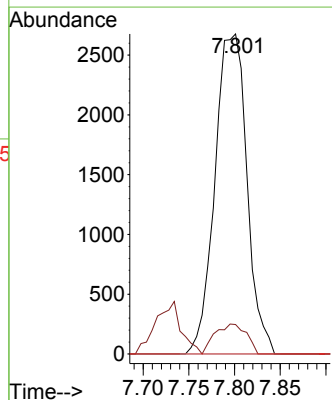
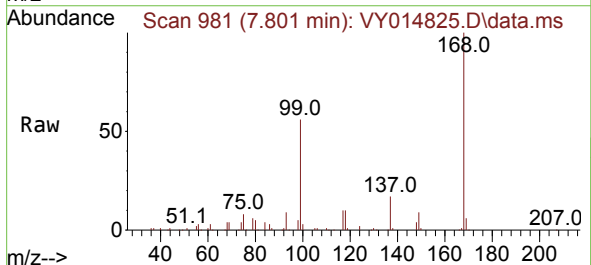
Instrument :
MSVOA_Y
ClientSampleId :
B-P25A

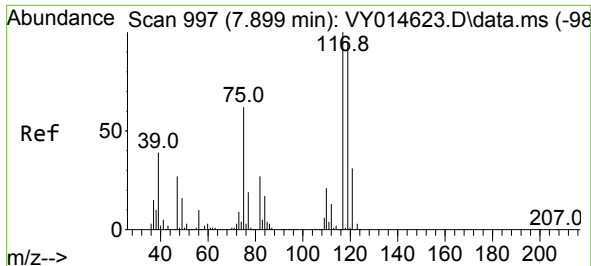
Tgt Ion:113 Resp: 40187
Ion Ratio Lower Upper
113 100
111 104.0 81.3 121.9
192 18.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.014 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY014825.D
Acq: 26 Jul 2023 01:11

Tgt Ion: 75 Resp: 6519
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.0 24.4 36.6#

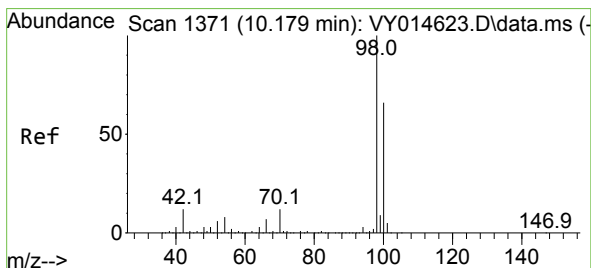
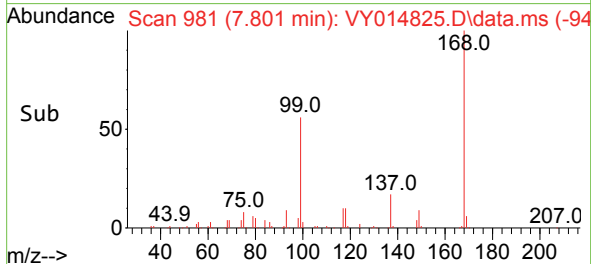
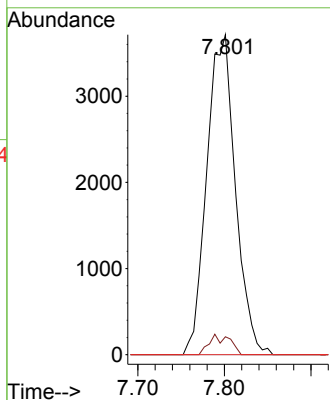
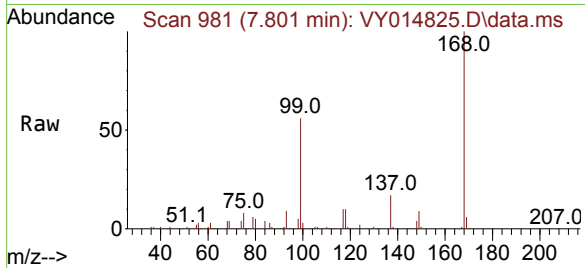




#38
Carbon Tetrachloride
Concen: 6.208 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY014825.D
Acq: 26 Jul 2023 01:11

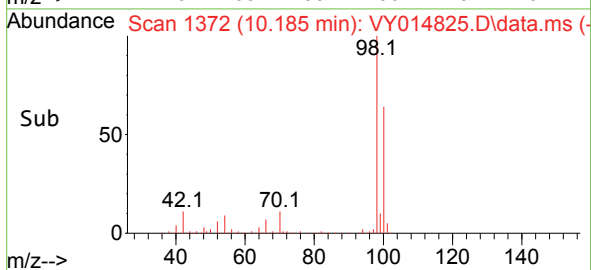
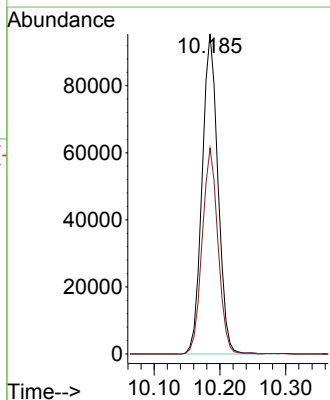
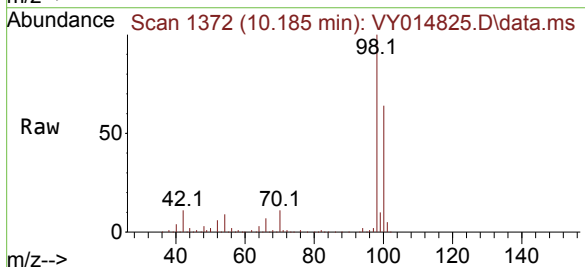
Instrument :
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ClientSampleId :
B-P25A

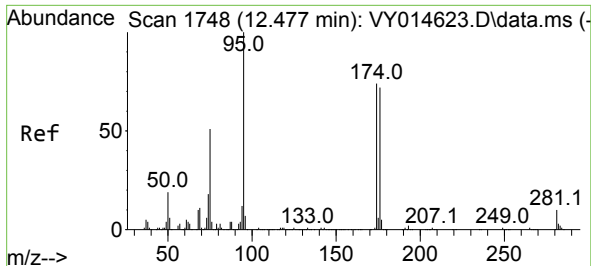
Tgt Ion:117 Resp: 8532
Ion Ratio Lower Upper
117 100
119 5.6 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.909 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY014825.D
Acq: 26 Jul 2023 01:11

Tgt Ion: 98 Resp: 159960
Ion Ratio Lower Upper
98 100
100 64.1 50.1 75.1

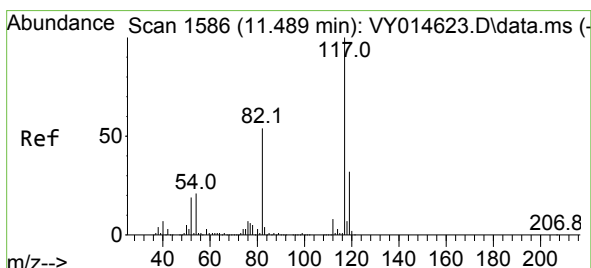
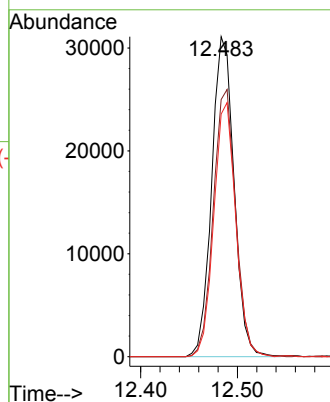
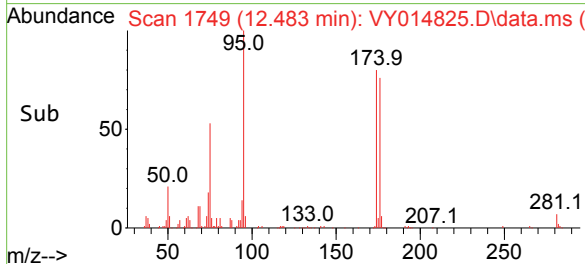
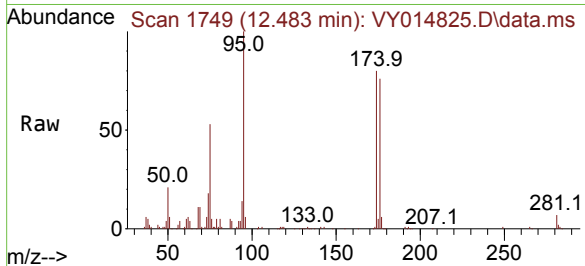




#62
4-Bromofluorobenzene
Concen: 40.572 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014825.D
Acq: 26 Jul 2023 01:11

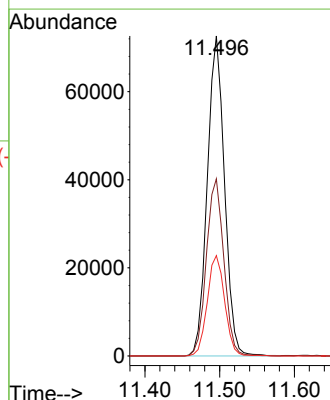
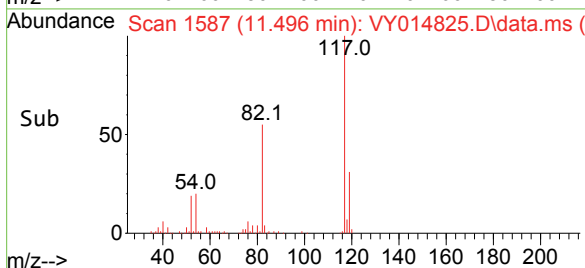
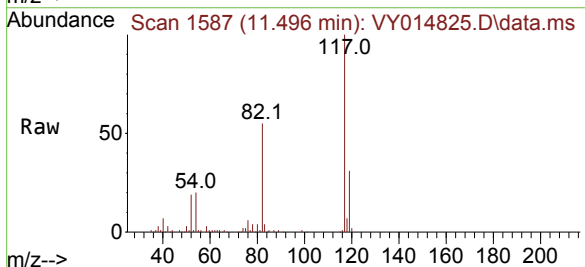
Instrument :
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ClientSampleId :
B-P25A

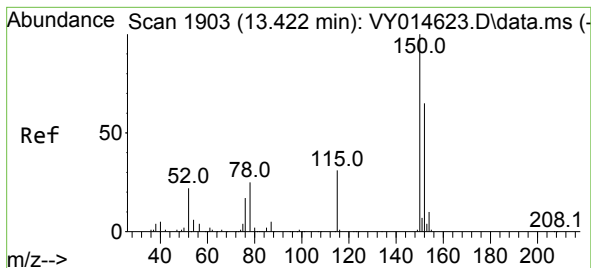
Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.8	0.0	178.2
176	78.2	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014825.D
Acq: 26 Jul 2023 01:11

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.4	43.4	65.0
119	31.4	26.3	39.5

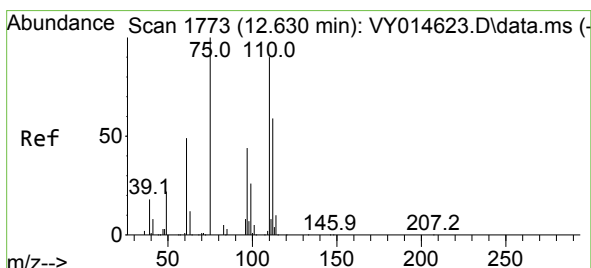
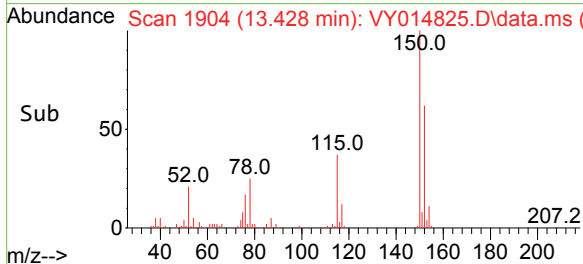
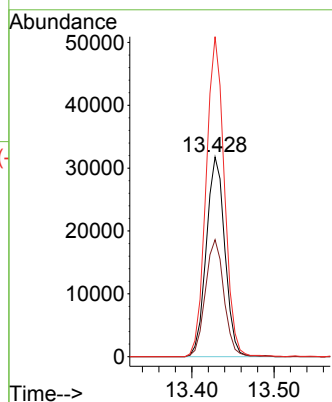
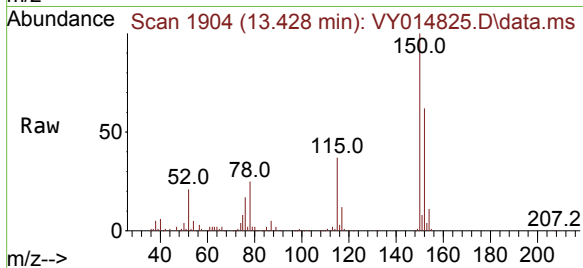




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY014825.D
 Acq: 26 Jul 2023 01:11

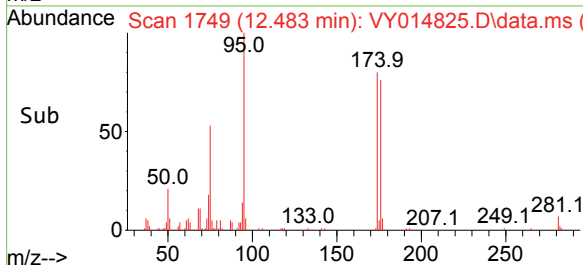
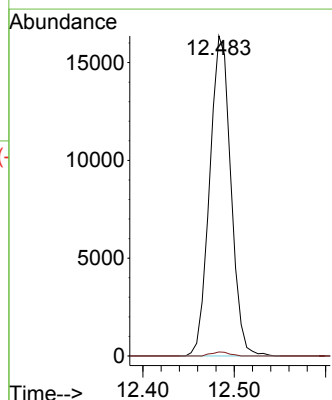
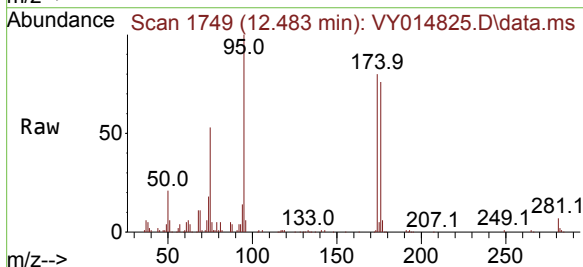
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P25A

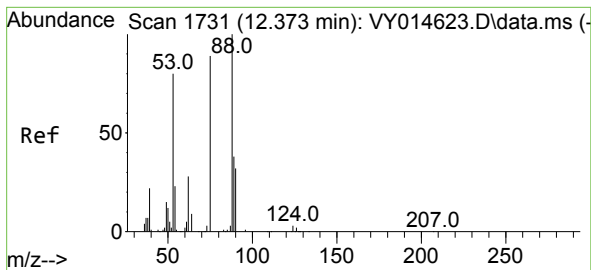
Tgt Ion:152 Resp: 49846
 Ion Ratio Lower Upper
 152 100
 115 58.8 28.8 86.5
 150 157.3 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 41.796 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY014825.D
 Acq: 26 Jul 2023 01:11

Tgt Ion: 75 Resp: 26312
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.924 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY014825.D
 Acq: 26 Jul 2023 01:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P25A

Tgt Ion: 75 Resp: 26312
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

