

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100223\
 Data File : VY015781.D
 Acq On : 02 Oct 2023 17:03
 Operator : SY/MD
 Sample : 04627-25
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 03 01:24:00 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	158673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	281800	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	256789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	116058	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	84504	48.403	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.800%
35) Dibromofluoromethane	7.716	113	75039	44.489	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.980%
50) Toluene-d8	10.179	98	275554	48.183	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.360%
62) 4-Bromofluorobenzene	12.483	95	90876	40.492	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.980%

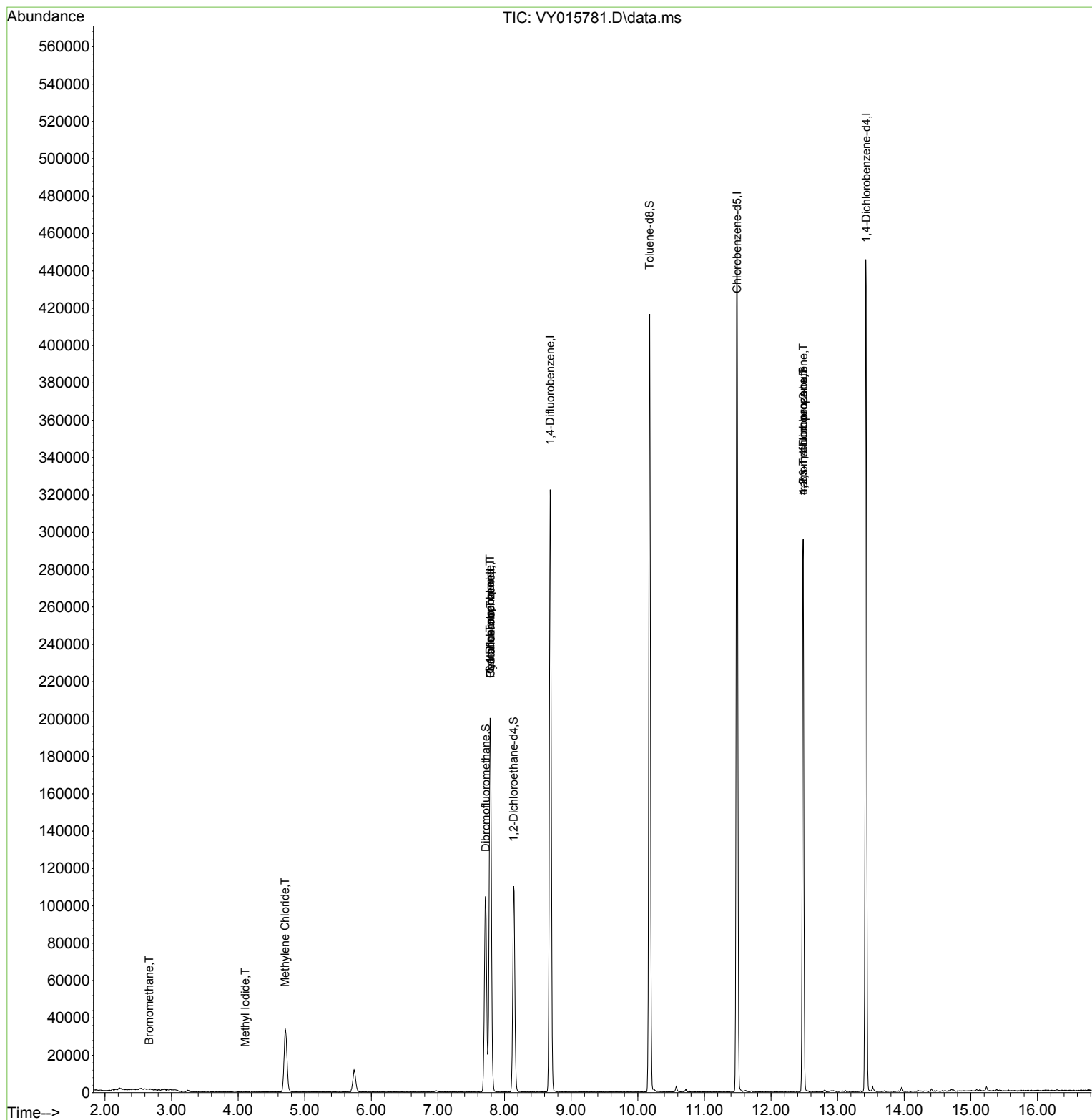
Target Compounds					Qvalue	
5) Bromomethane	2.662	94	193	2.679	ug/l #	63
10) Methyl Iodide	4.107	142	87	2.773	ug/l #	38
11) Tert butyl alcohol	4.960	59	85	Below Cal	#	89
20) Methylene Chloride	4.704	84	25767	8.584	ug/l #	86
31) Cyclohexane	7.789	56	3138	1.297	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	12519	5.020	ug/l #	51
38) Carbon Tetrachloride	7.783	117	16014	5.916	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	48394	26.138	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	48394	58.859	ug/l #	11

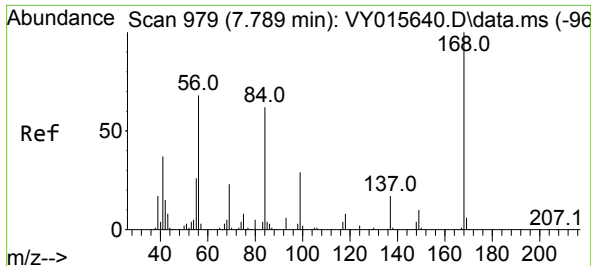
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

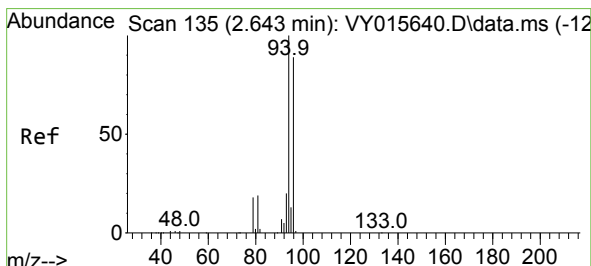
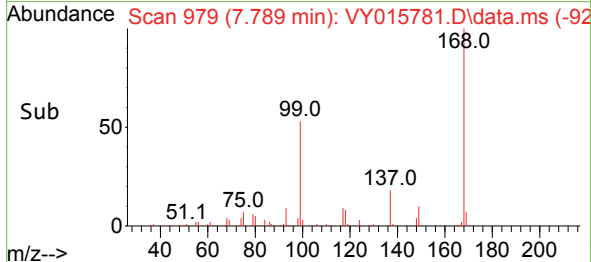
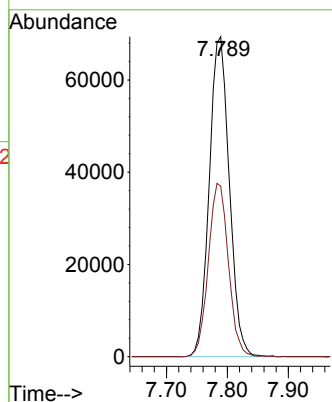
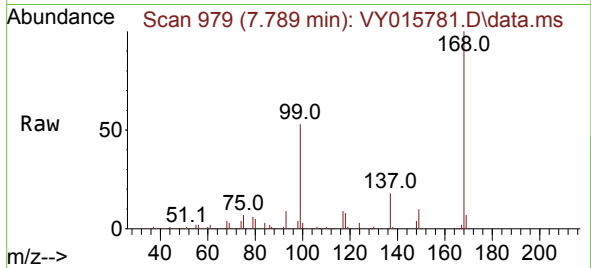




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015781.D
Acq: 02 Oct 2023 17:03

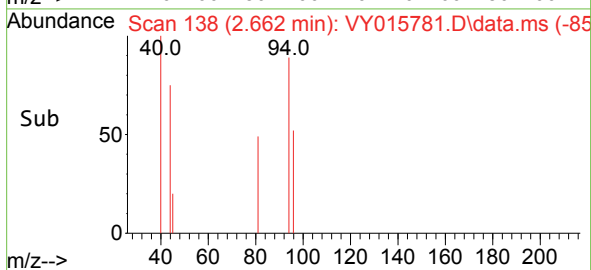
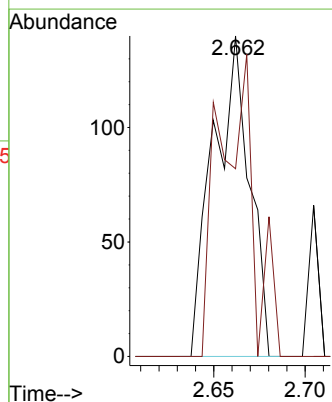
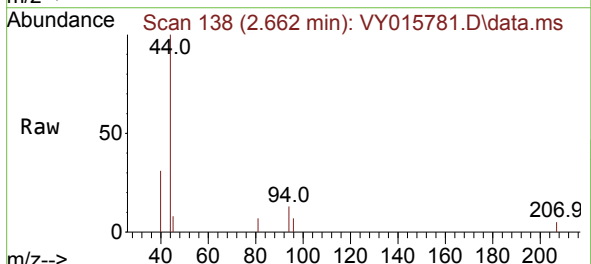
Instrument :
MSVOA_Y
ClientSampleId :

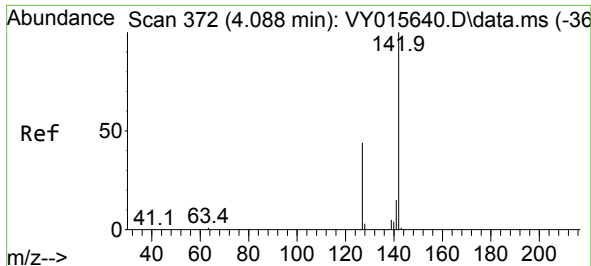
Tgt Ion:168 Resp: 158673
Ion Ratio Lower Upper
168 100
99 53.3 43.4 65.0



#5
Bromomethane
Concen: 2.679 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015781.D
Acq: 02 Oct 2023 17:03

Tgt Ion: 94 Resp: 193
Ion Ratio Lower Upper
94 100
96 58.6 75.8 113.6#

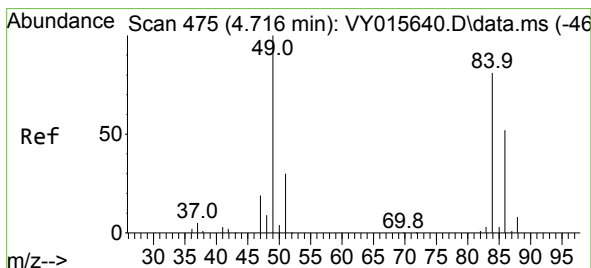
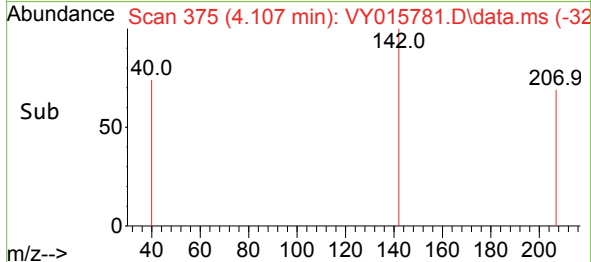
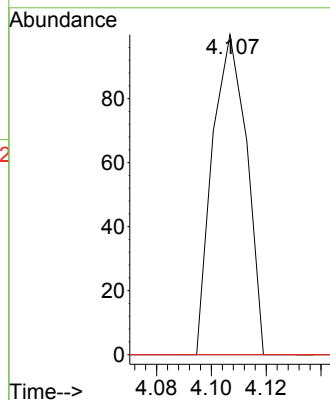
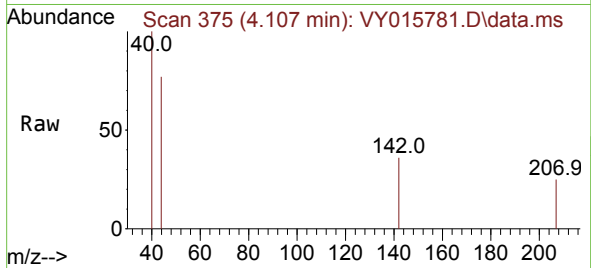




#10
Methyl Iodide
Concen: 2.773 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.025 min
Lab File: VY015781.D
Acq: 02 Oct 2023 17:03

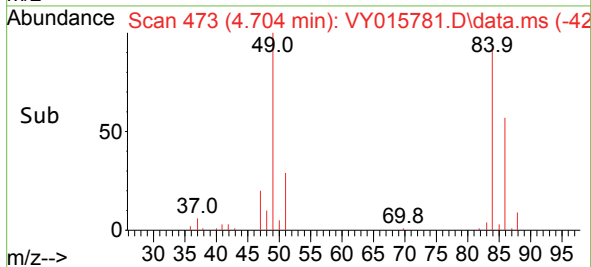
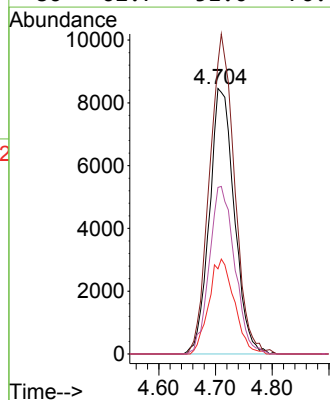
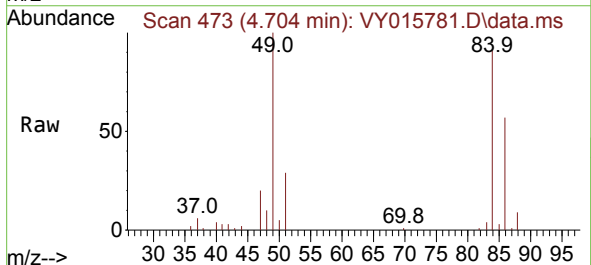
Instrument :
MSVOA_Y
ClientSampleId :

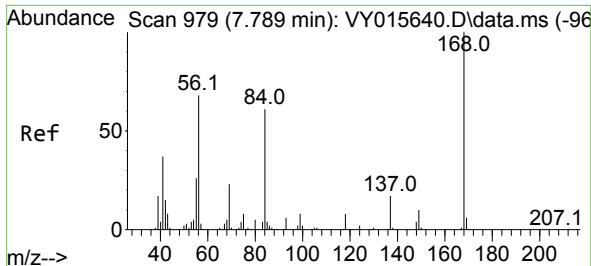
Tgt Ion:142 Resp: 87
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#20
Methylene Chloride
Concen: 8.584 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY015781.D
Acq: 02 Oct 2023 17:03

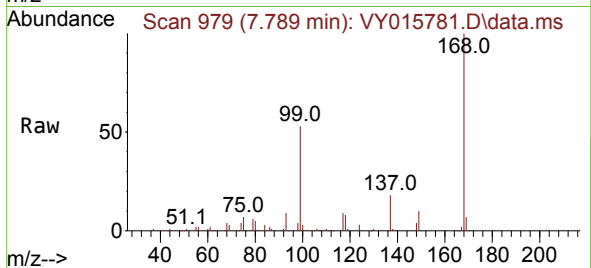
Tgt Ion: 84 Resp: 25767
Ion Ratio Lower Upper
84 100
49 109.5 106.9 160.3
51 32.1 33.2 49.8#
86 62.7 51.0 76.6



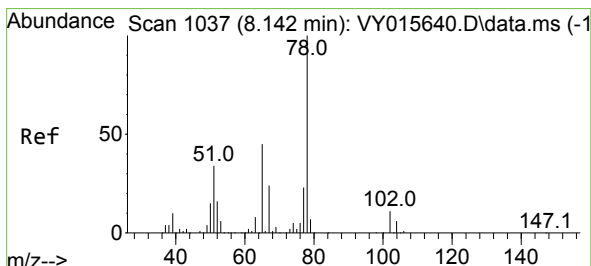
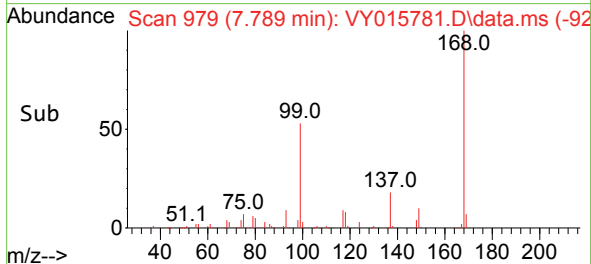
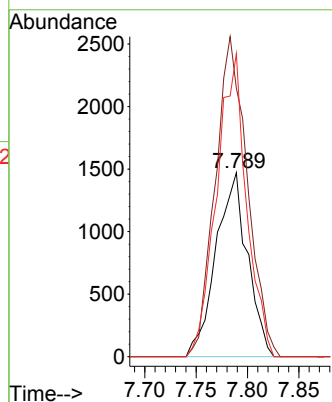


#31
Cyclohexane
Concen: 1.297 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015781.D
Acq: 02 Oct 2023 17:03

Instrument :
MSVOA_Y
ClientSampleId :

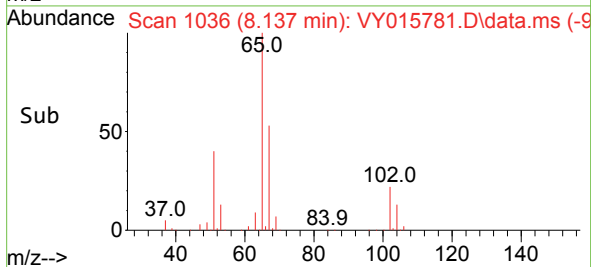
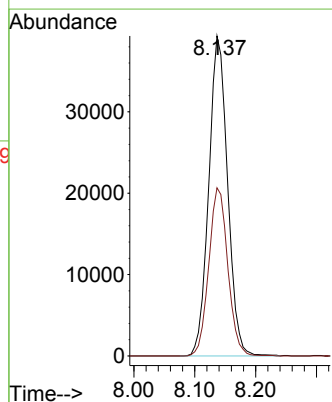
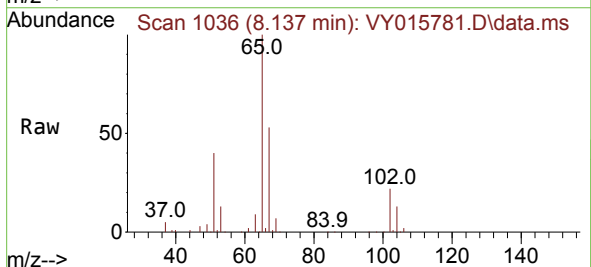


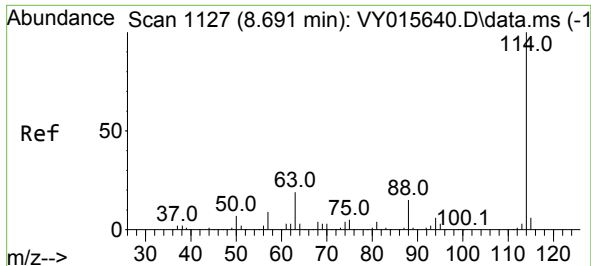
Tgt Ion	Ratio	Lower	Upper
56	100		
69	145.9	27.8	41.6#
84	164.7	66.4	99.6#



#33
1,2-Dichloroethane-d4
Concen: 48.403 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY015781.D
Acq: 02 Oct 2023 17:03

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.1	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: VY015781.D

Acq: 02 Oct 2023 17:03

Instrument :

MSVOA_Y

ClientSampleId :

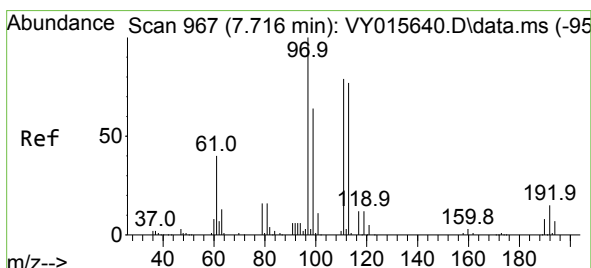
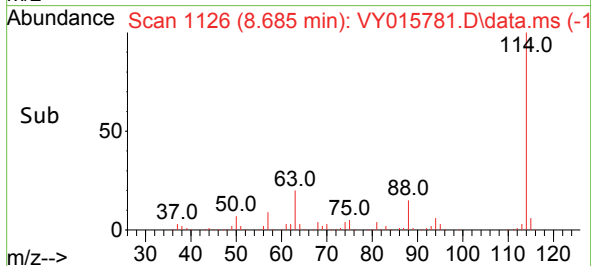
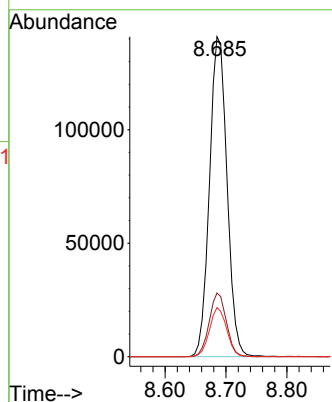
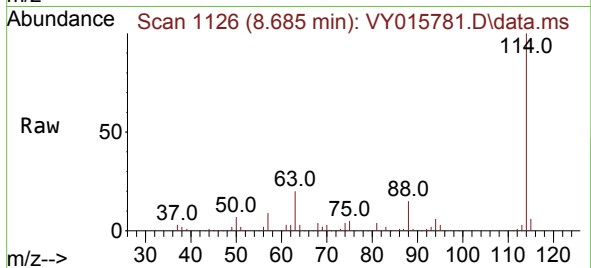
Tgt Ion:114 Resp: 281800

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 44.489 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015781.D

Acq: 02 Oct 2023 17:03

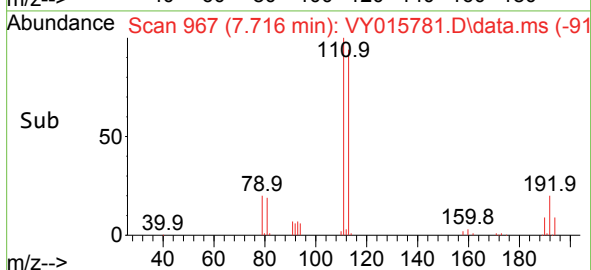
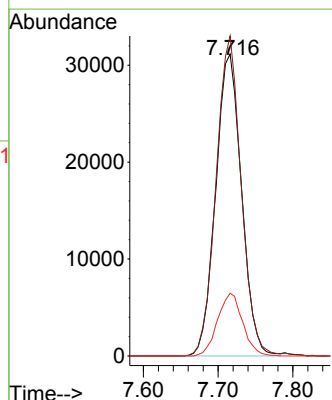
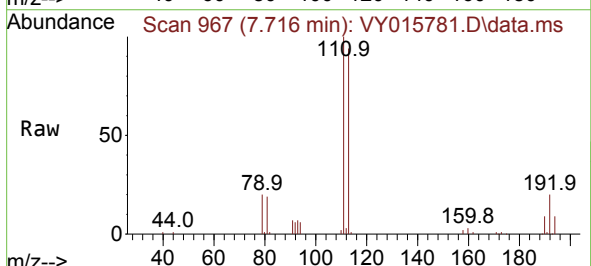
Tgt Ion:113 Resp: 75039

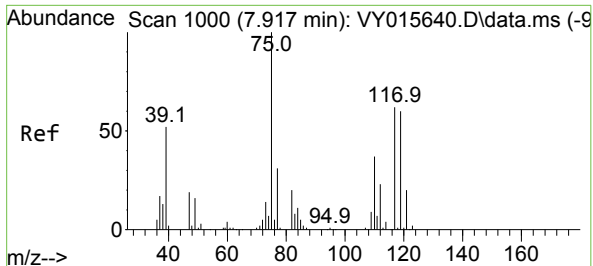
Ion Ratio Lower Upper

113 100

111 103.0 81.3 121.9

192 20.1 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.020 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

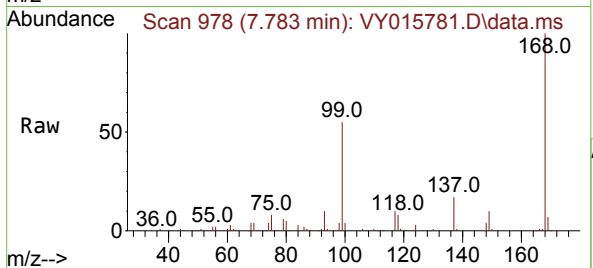
Lab File: VY015781.D

Acq: 02 Oct 2023 17:03

Instrument :

MSVOA_Y

ClientSampleId :



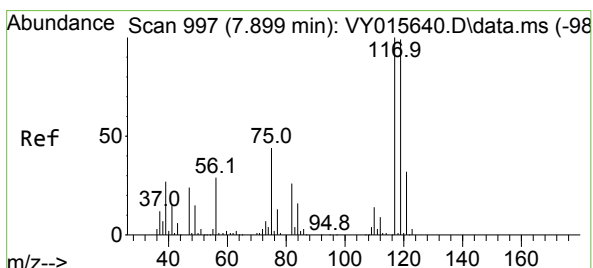
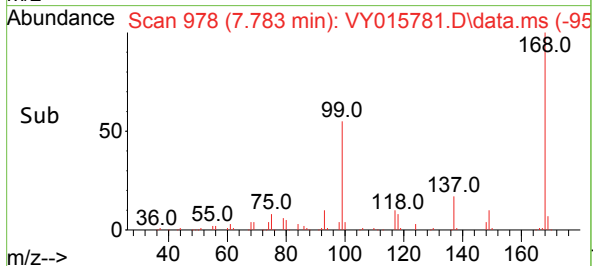
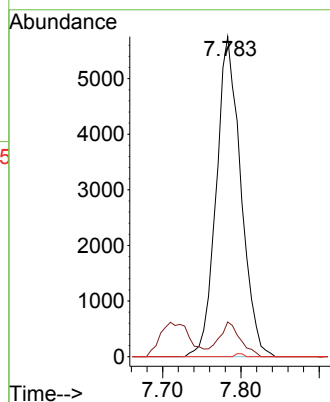
Tgt Ion: 75 Resp: 12519

Ion Ratio Lower Upper

75 100

110 9.6 17.8 53.5#

77 0.3 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.916 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY015781.D

Acq: 02 Oct 2023 17:03

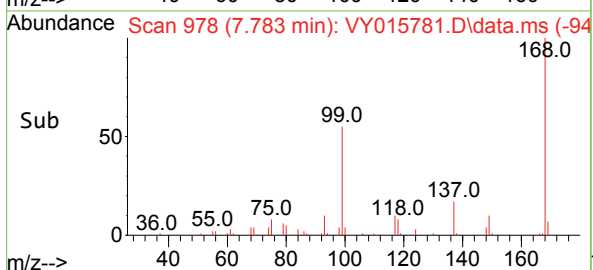
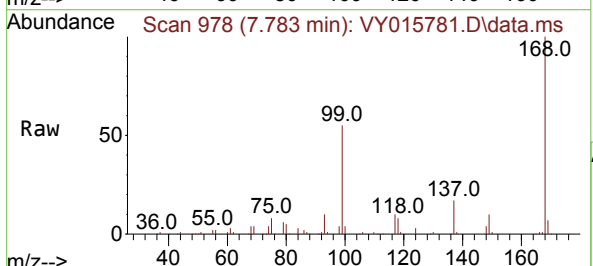
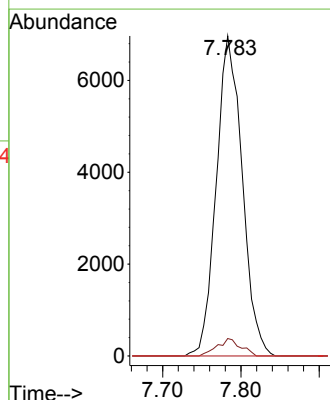
Tgt Ion: 117 Resp: 16014

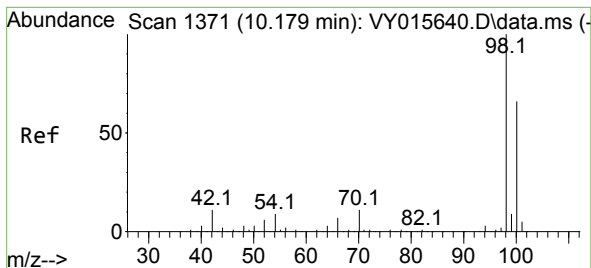
Ion Ratio Lower Upper

117 100

119 5.5 76.4 114.6#

121 0.0 25.8 38.6#

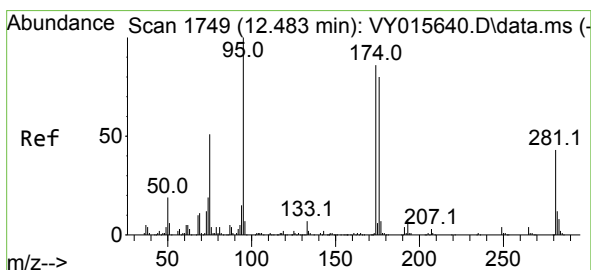
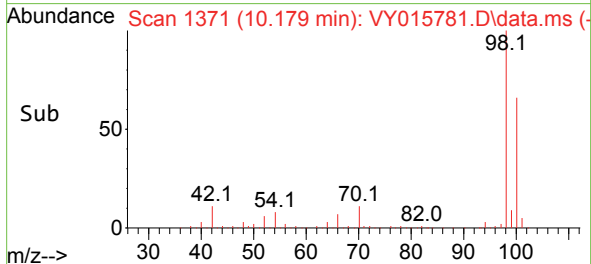
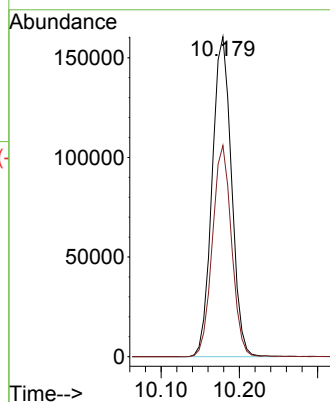
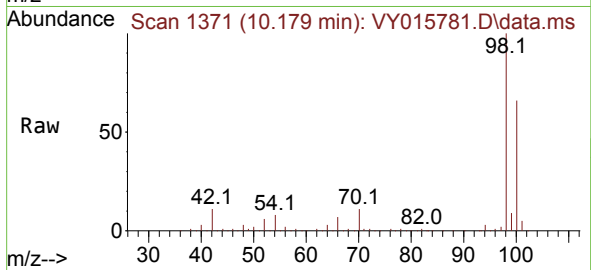




#50
Toluene-d8
Concen: 48.183 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015781.D
Acq: 02 Oct 2023 17:03

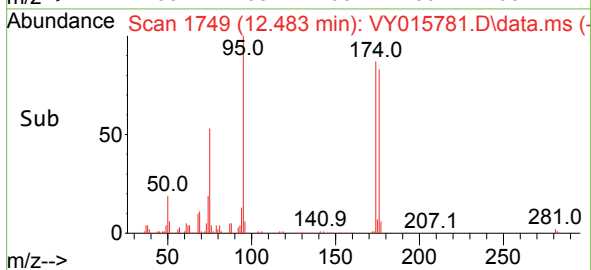
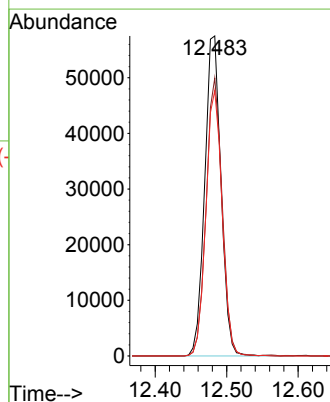
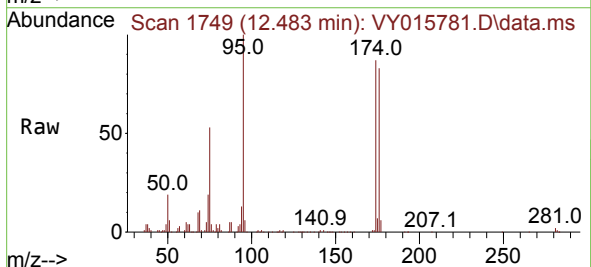
Instrument :
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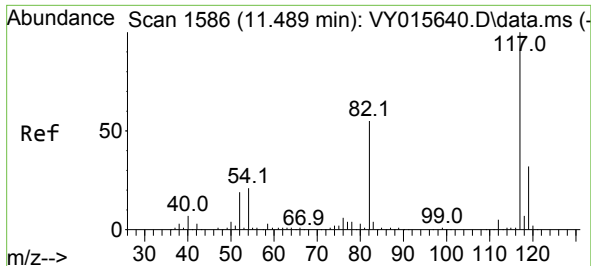
Tgt Ion: 98 Resp: 275554
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 40.492 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015781.D
Acq: 02 Oct 2023 17:03

Tgt Ion: 95 Resp: 90876
Ion Ratio Lower Upper
95 100
174 85.4 0.0 178.2
176 82.9 0.0 173.8

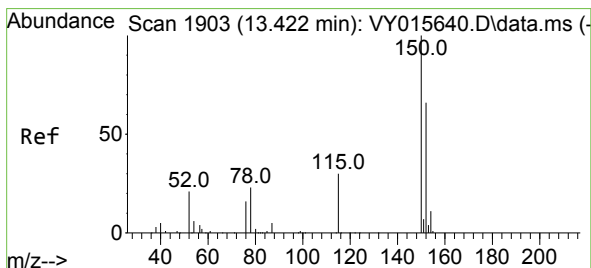
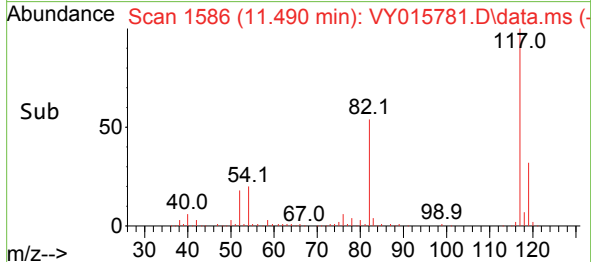
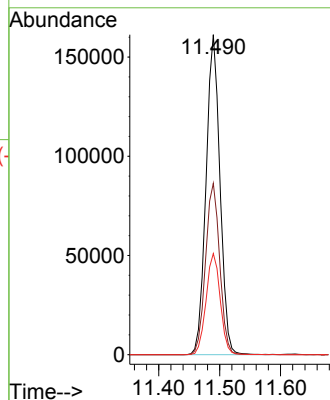
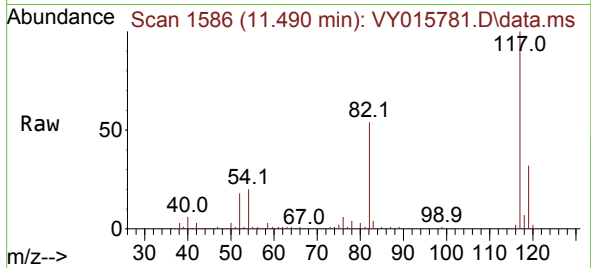




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY015781.D
Acq: 02 Oct 2023 17:03

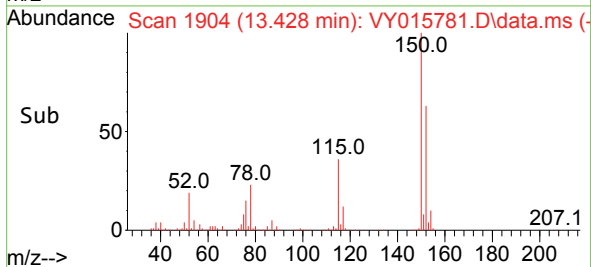
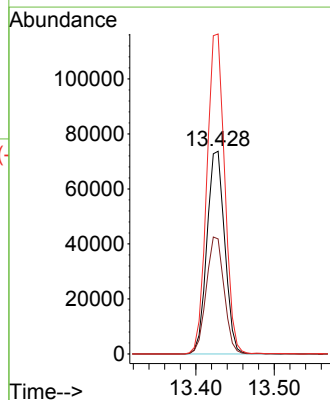
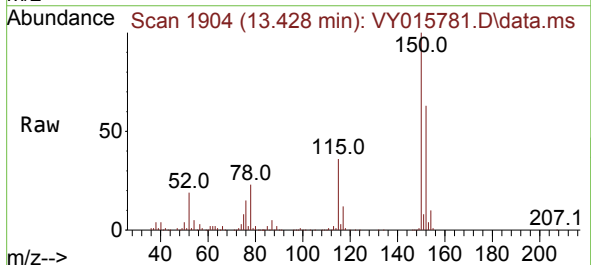
Instrument :
MSVOA_Y
ClientSampleId :

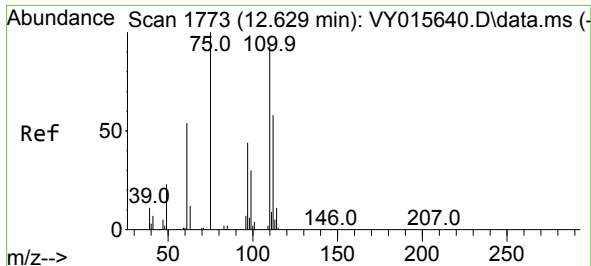
Tgt Ion:117 Resp: 256789
Ion Ratio Lower Upper
117 100
82 53.6 43.4 65.0
119 31.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015781.D
Acq: 02 Oct 2023 17:03

Tgt Ion:152 Resp: 116058
Ion Ratio Lower Upper
152 100
115 58.0 28.8 86.5
150 158.4 0.0 348.8

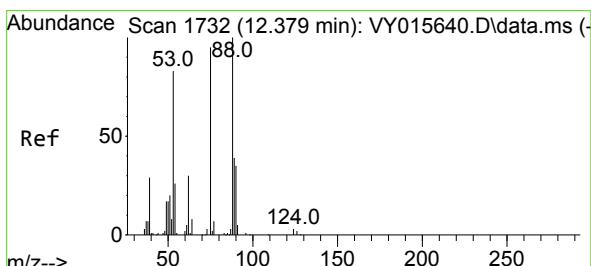
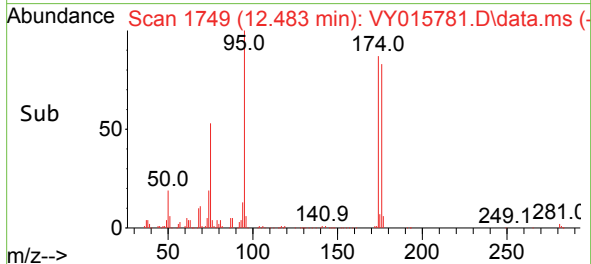
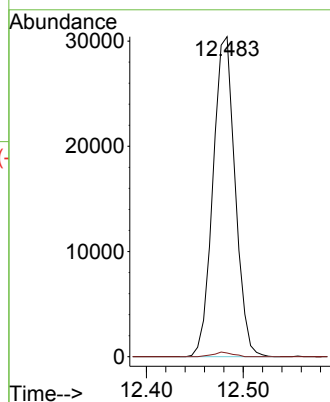
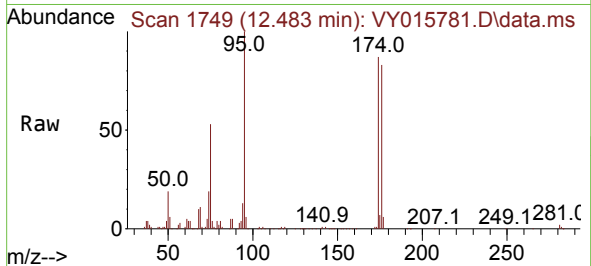




#76
1,2,3-Trichloropropane
Concen: 26.138 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015781.D
Acq: 02 Oct 2023 17:03

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 48394
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.859 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY015781.D
Acq: 02 Oct 2023 17:03

Tgt Ion: 75 Resp: 48394
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

