

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100223\
 Data File : VY015789.D
 Acq On : 02 Oct 2023 20:12
 Operator : SY/MD
 Sample : 04657-12RE
 Misc : 5.84g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 03 01:28:24 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)

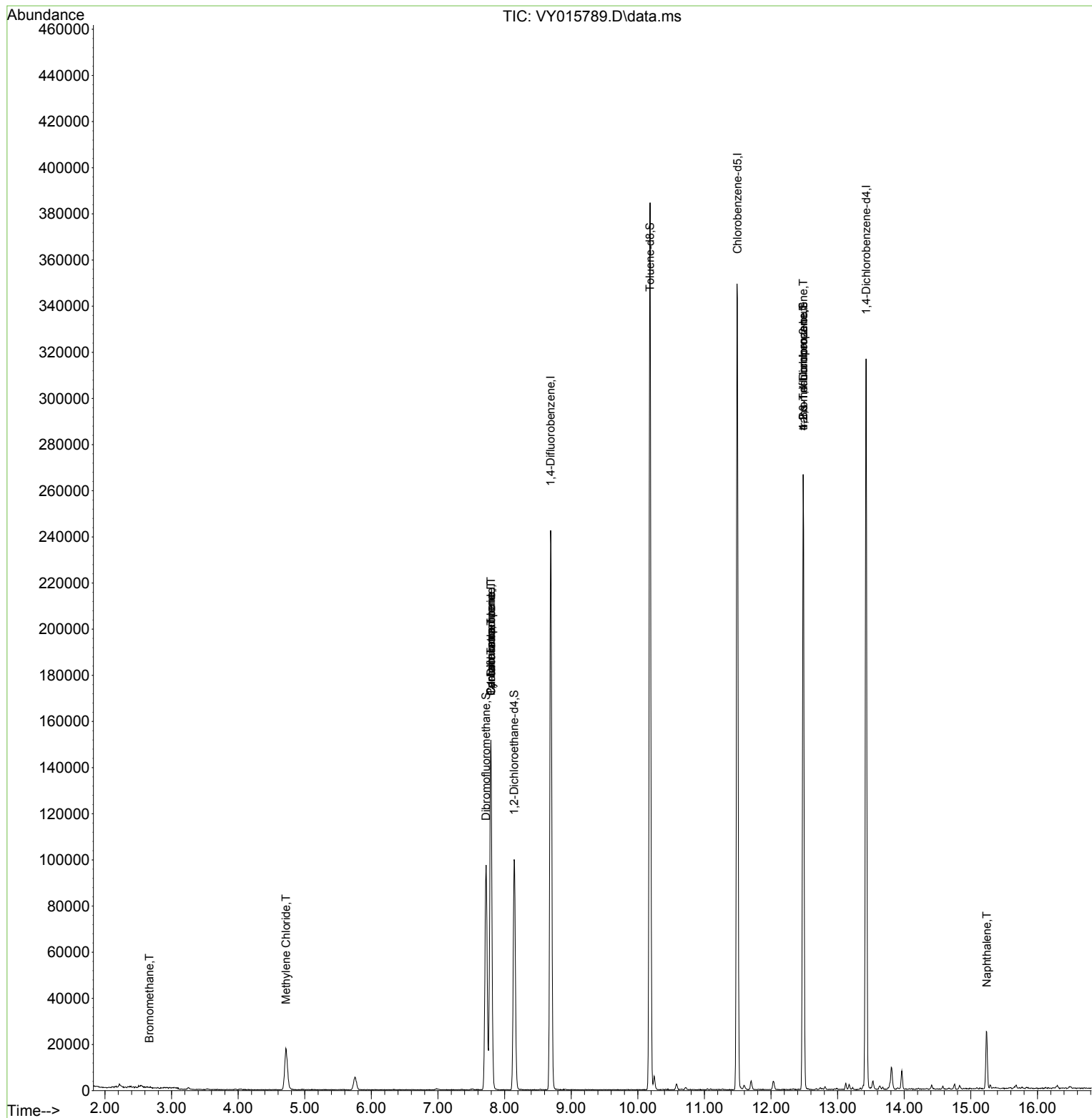
Internal Standards						
1) Pentafluorobenzene	7.795	168	118753	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	211232	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	193068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	80603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	78505	60.083	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.160%	
35) Dibromofluoromethane	7.722	113	68980	54.560	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.120%	
50) Toluene-d8	10.185	98	250419	58.417	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.840%	
62) 4-Bromofluorobenzene	12.483	95	79487	47.250	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.500%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.668	94	74	2.619	ug/l #	2
11) Tert butyl alcohol	4.954	59	96	Below Cal	#	89
20) Methylene Chloride	4.716	84	13374	4.311	ug/l	88
31) Cyclohexane	7.795	56	2481	1.371	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	9155	4.897	ug/l #	49
38) Carbon Tetrachloride	7.795	117	11983	5.905	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	41325	32.137	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	41325	72.370	ug/l #	10
95) Naphthalene	15.239	128	20882	4.680	ug/l	98

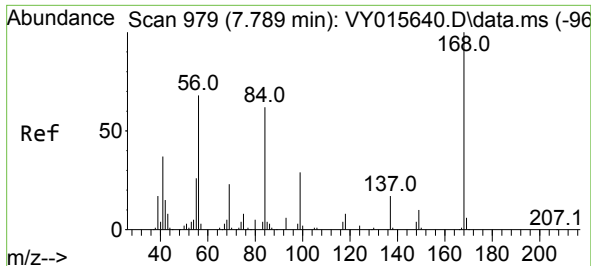
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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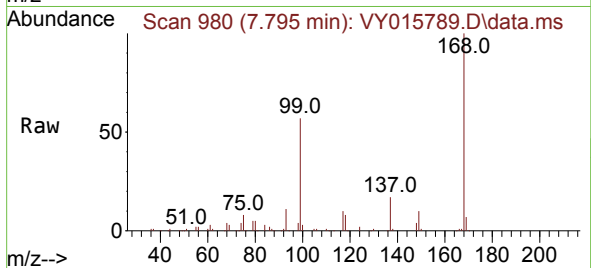
Quant Time: Oct 03 01:28:24 2023
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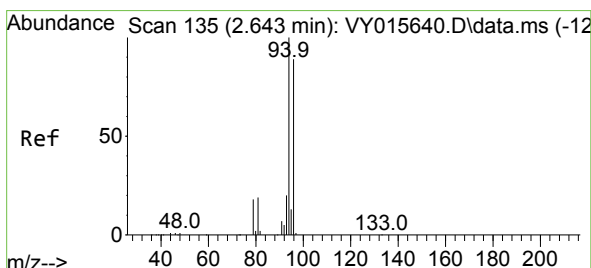
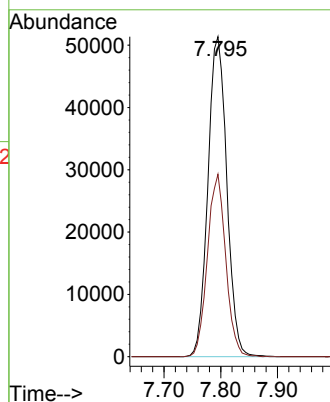
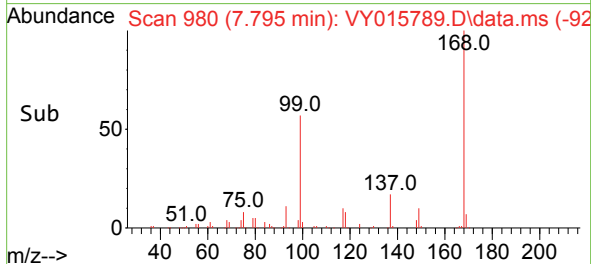


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015789.D
Acq: 02 Oct 2023 20:12

Instrument :
MSVOA_Y
ClientSampleId :

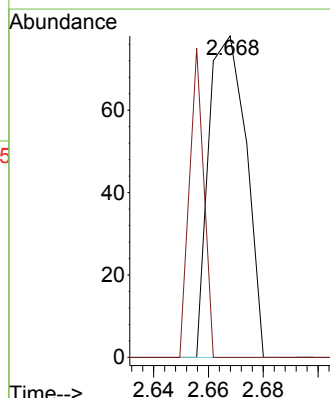
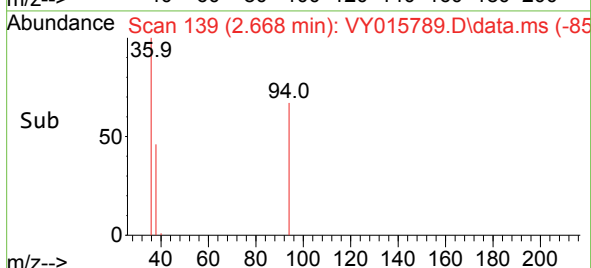
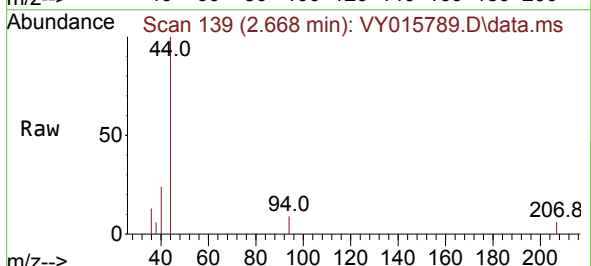


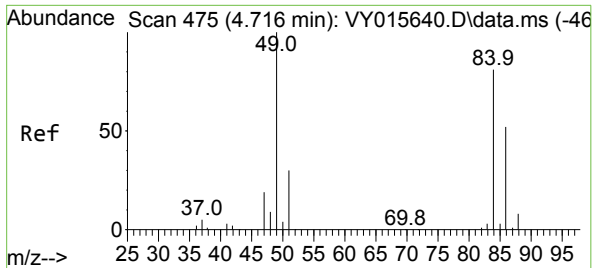
Tgt Ion:168 Resp: 118753
Ion Ratio Lower Upper
168 100
99 57.0 43.4 65.0



#5
Bromomethane
Concen: 2.619 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.031 min
Lab File: VY015789.D
Acq: 02 Oct 2023 20:12

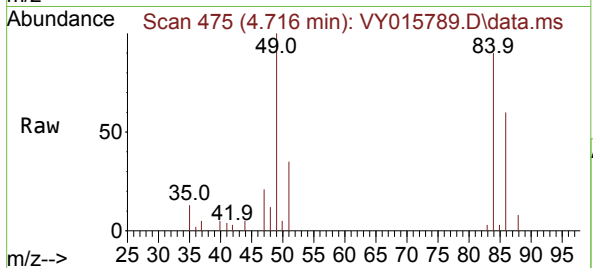
Tgt Ion: 94 Resp: 74
Ion Ratio Lower Upper
94 100
96 0.0 75.8 113.6#



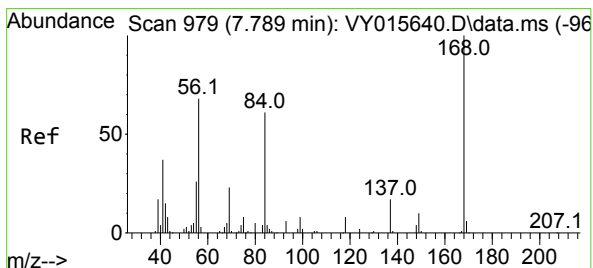
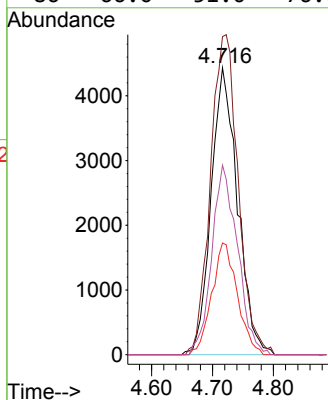
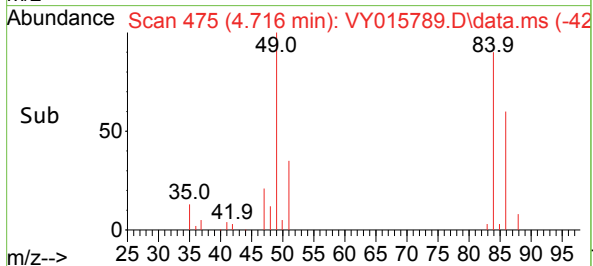


#20
Methylene Chloride
Concen: 4.311 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY015789.D
Acq: 02 Oct 2023 20:12

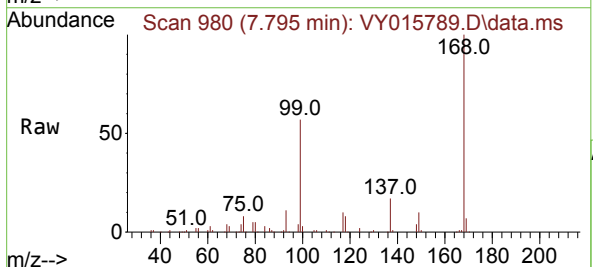
Instrument :
MSVOA_Y
ClientSampleId :



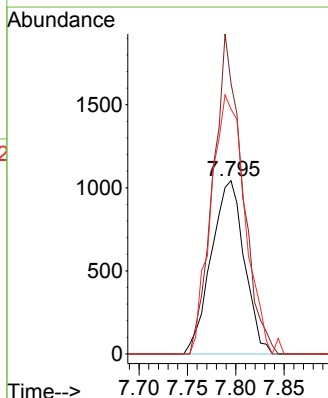
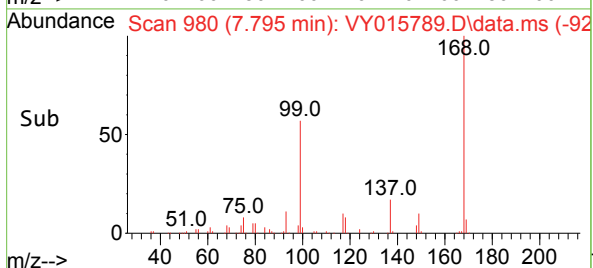
Tgt Ion:	84	Resp:	13374
Ion	Ratio	Lower	Upper
84	100		
49	110.8	106.9	160.3
51	38.9	33.2	49.8
86	66.0	51.0	76.6

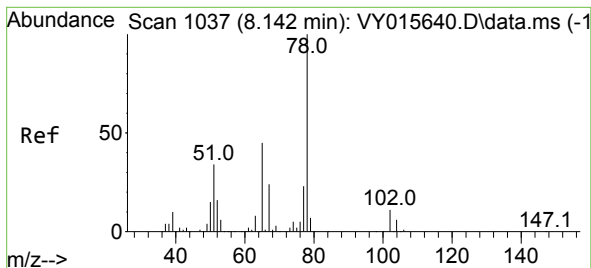


#31
Cyclohexane
Concen: 1.371 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY015789.D
Acq: 02 Oct 2023 20:12



Tgt Ion:	56	Resp:	2481
Ion	Ratio	Lower	Upper
56	100		
69	156.1	27.8	41.6#
84	141.2	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 60.083 ug/l

RT: 8.143 min Scan# 110

Delta R.T. 0.007 min

Lab File: VY015789.D

Acq: 02 Oct 2023 20:12

Instrument :

MSVOA_Y

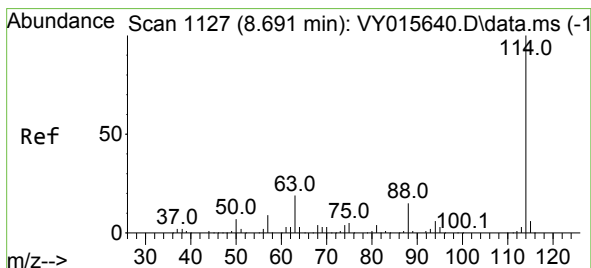
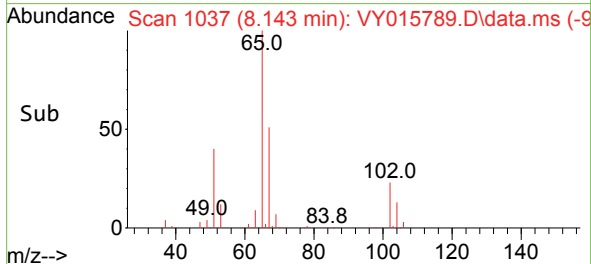
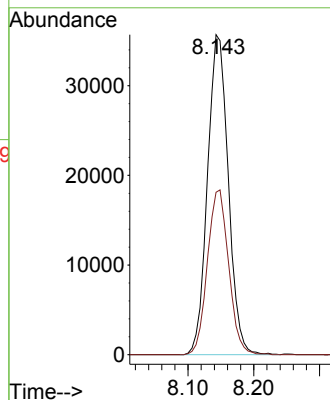
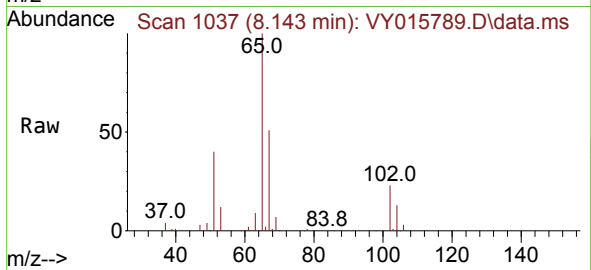
ClientSampleId :

Tgt Ion: 65 Resp: 78505

Ion Ratio Lower Upper

65 100

67 52.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015789.D

Acq: 02 Oct 2023 20:12

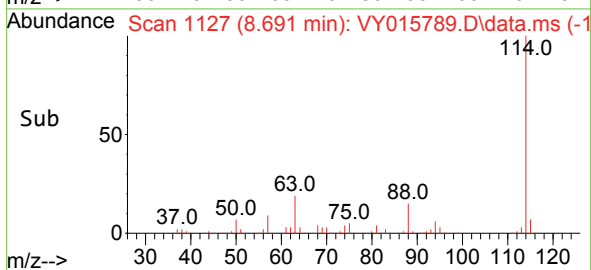
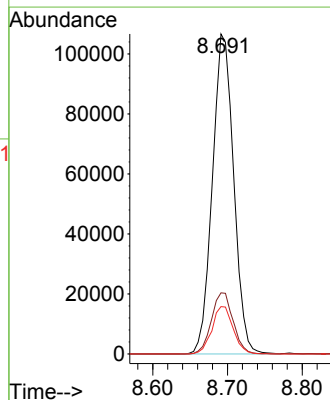
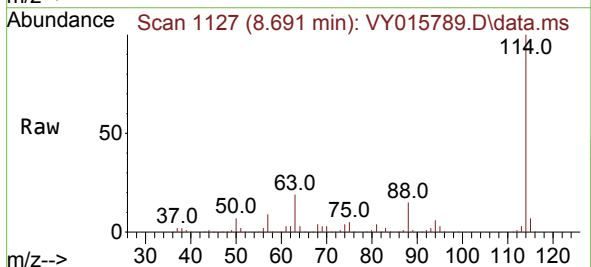
Tgt Ion: 114 Resp: 211232

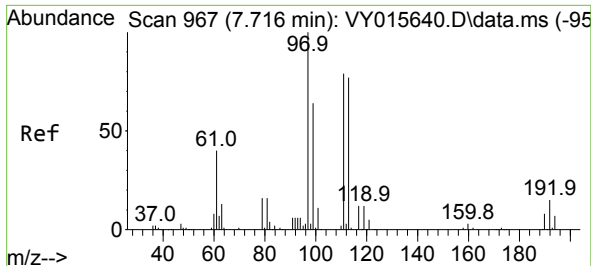
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

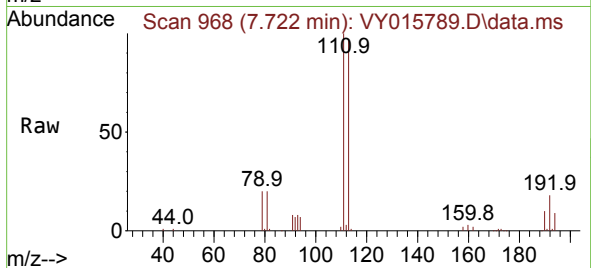
88 14.8 0.0 30.6



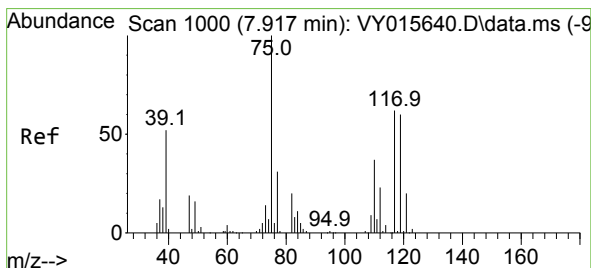
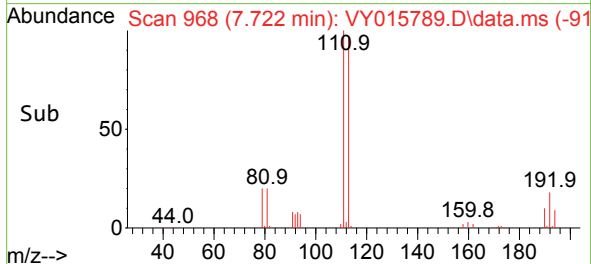
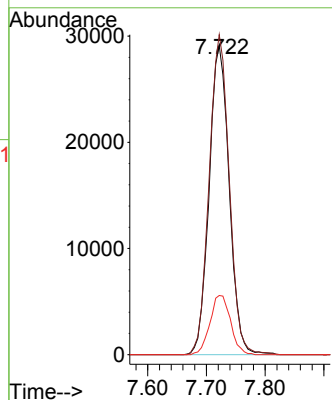


#35
Dibromofluoromethane
Concen: 54.560 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY015789.D
Acq: 02 Oct 2023 20:12

Instrument :
MSVOA_Y
ClientSampleId :

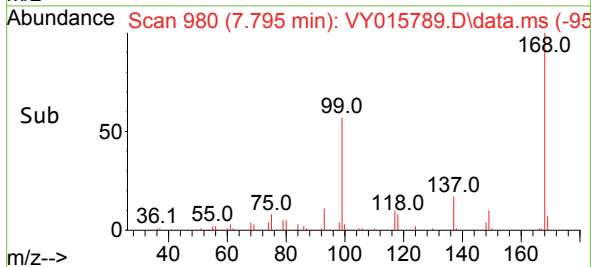
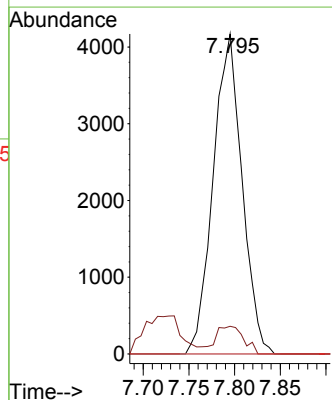
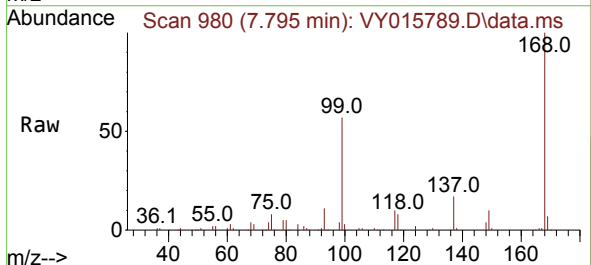


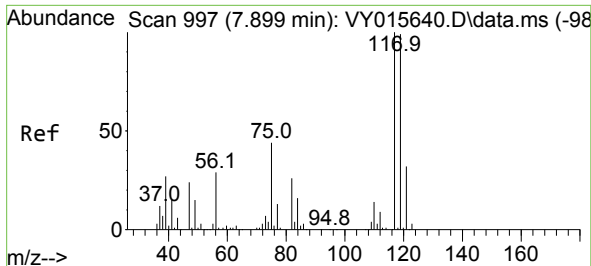
Tgt Ion:113 Resp: 68980
Ion Ratio Lower Upper
113 100
111 103.9 81.3 121.9
192 19.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.897 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY015789.D
Acq: 02 Oct 2023 20:12

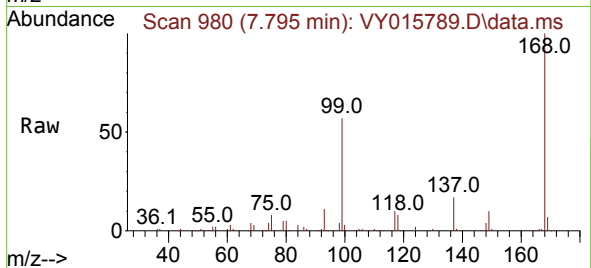
Tgt Ion: 75 Resp: 9155
Ion Ratio Lower Upper
75 100
110 8.5 17.8 53.5#
77 0.0 24.4 36.6#



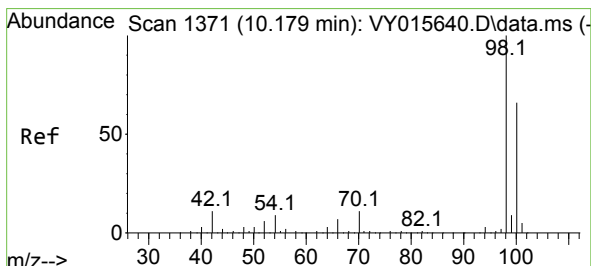
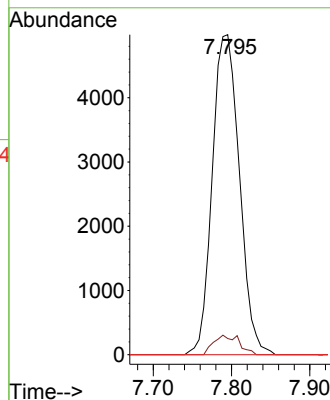
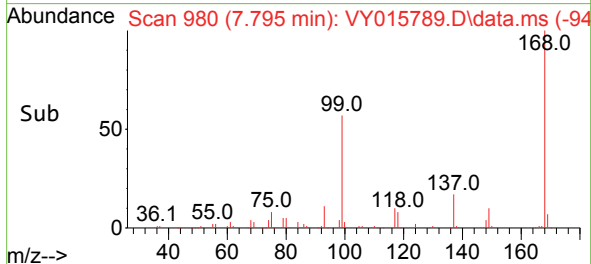


#38
Carbon Tetrachloride
Concen: 5.905 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY015789.D
Acq: 02 Oct 2023 20:12

Instrument :
MSVOA_Y
ClientSampleId :

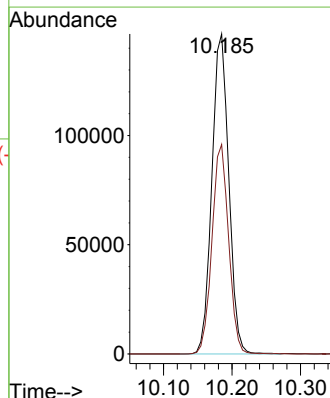
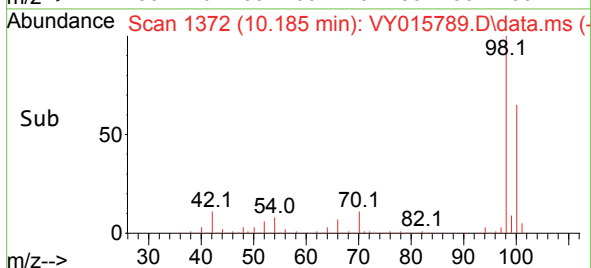
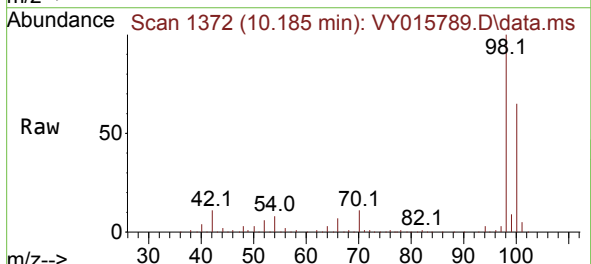


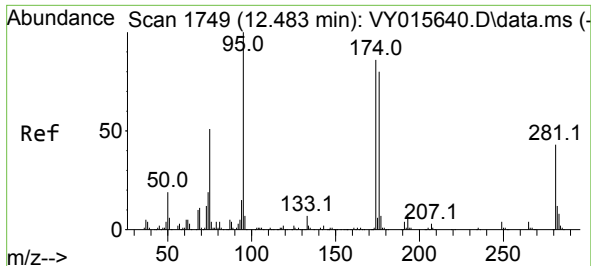
Tgt Ion:117 Resp: 11983
Ion Ratio Lower Upper
117 100
119 5.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 58.417 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY015789.D
Acq: 02 Oct 2023 20:12

Tgt Ion: 98 Resp: 250419
Ion Ratio Lower Upper
98 100
100 64.5 50.1 75.1

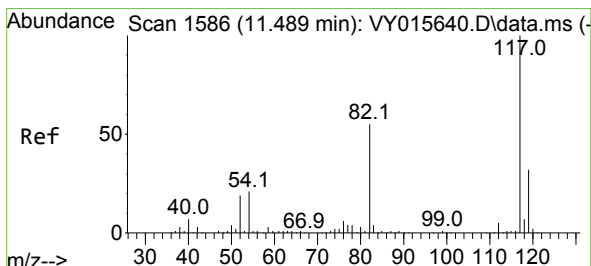
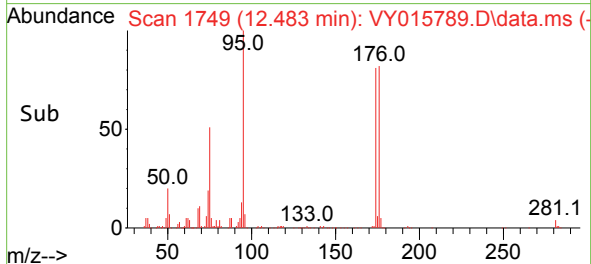
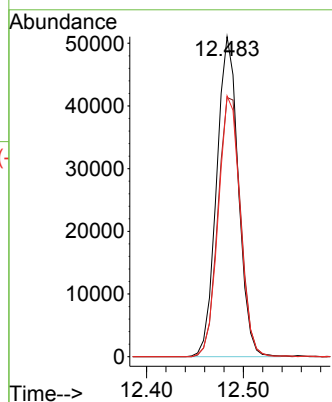
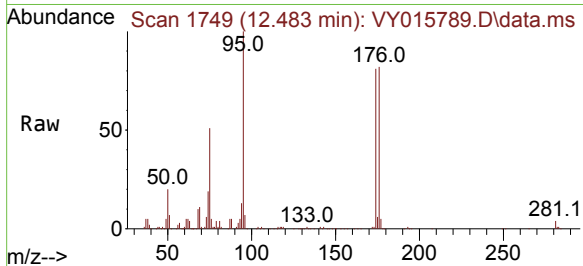




#62
4-Bromofluorobenzene
Concen: 47.250 ug/l
RT: 12.483 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY015789.D
Acq: 02 Oct 2023 20:12

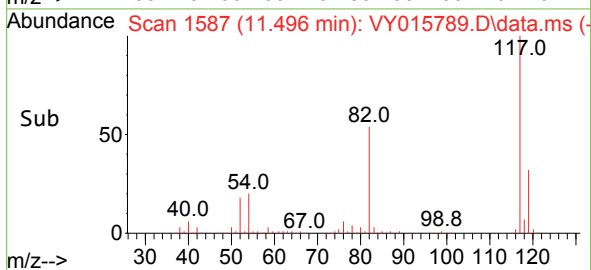
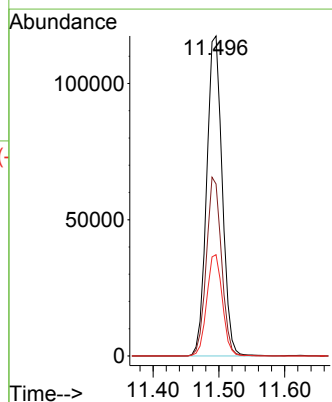
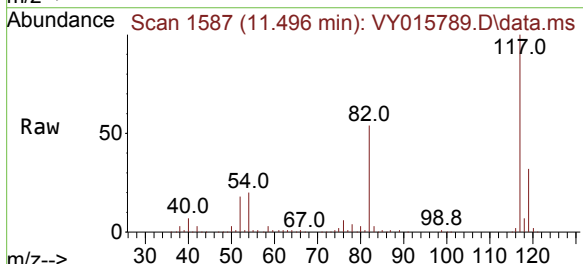
Instrument :
MSVOA_Y
ClientSampleId :

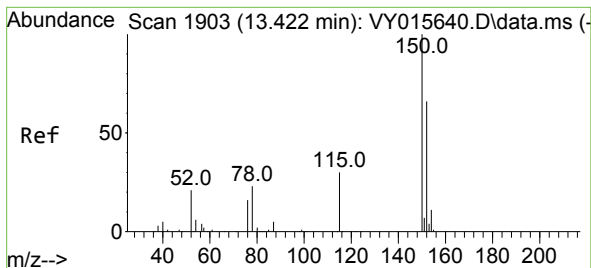
Tgt Ion: 95 Resp: 79487
Ion Ratio Lower Upper
95 100
174 84.7 0.0 178.2
176 82.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY015789.D
Acq: 02 Oct 2023 20:12

Tgt Ion: 117 Resp: 193068
Ion Ratio Lower Upper
117 100
82 53.8 43.4 65.0
119 31.7 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

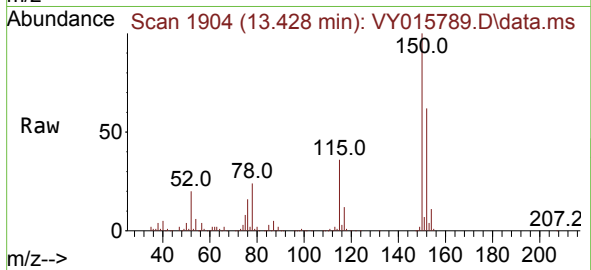
Lab File: VY015789.D

Acq: 02 Oct 2023 20:12

Instrument :

MSVOA_Y

ClientSampleId :



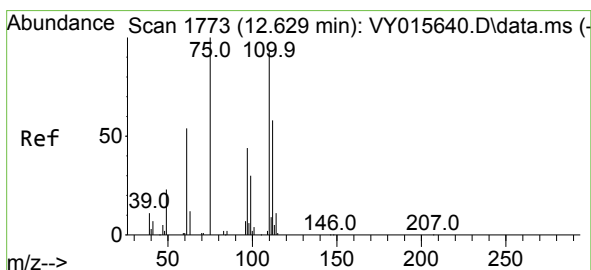
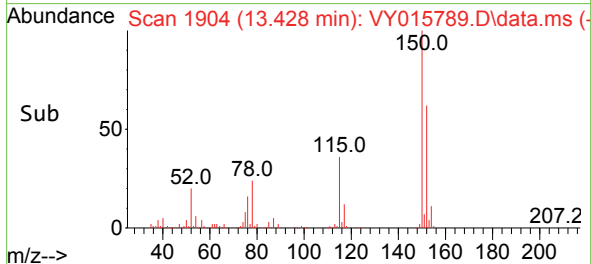
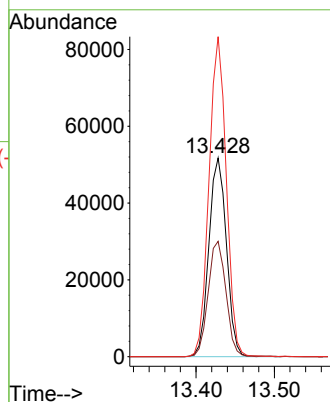
Tgt Ion:152 Resp: 80603

Ion Ratio Lower Upper

152 100

115 58.7 28.8 86.5

150 158.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 32.137 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015789.D

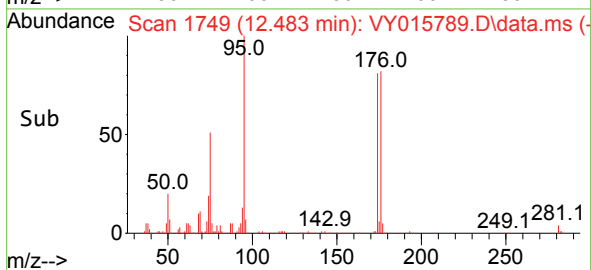
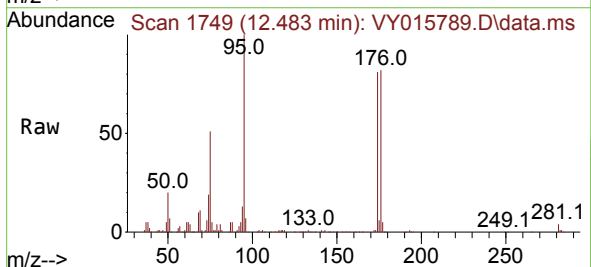
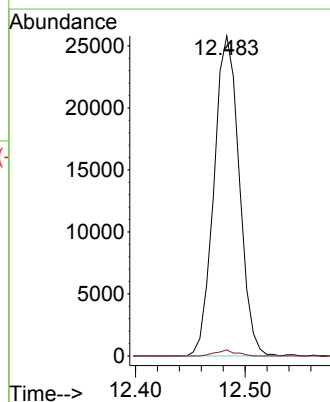
Acq: 02 Oct 2023 20:12

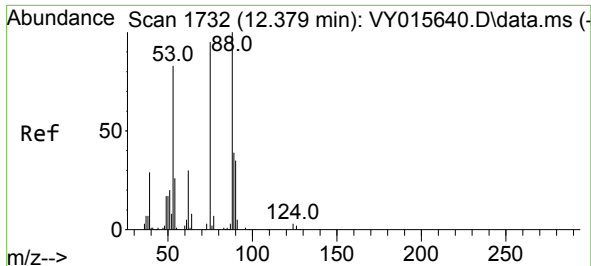
Tgt Ion: 75 Resp: 41325

Ion Ratio Lower Upper

75 100

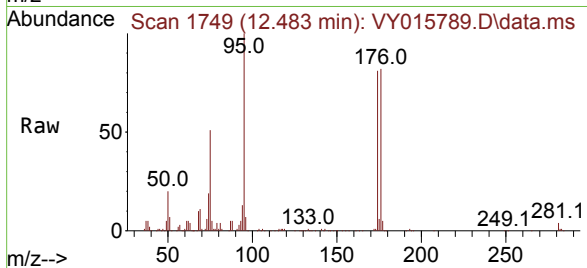
77 1.5 0.0 0.0#



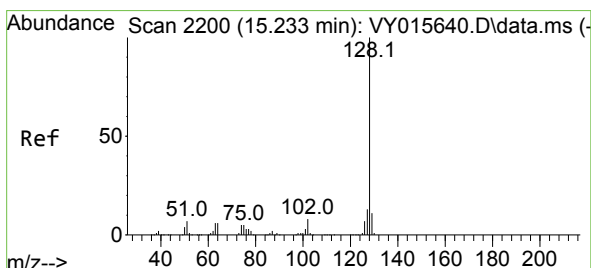
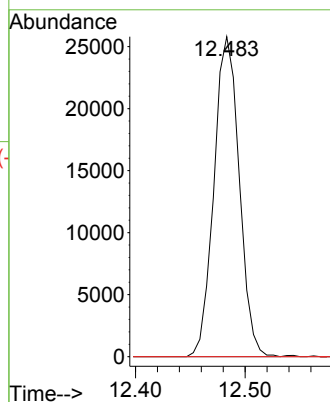
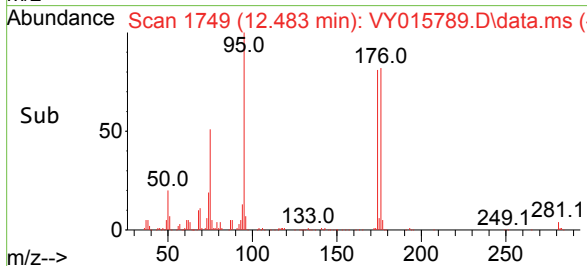


#81
trans-1,4-Dichloro-2-butene
Concen: 72.370 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY015789.D
Acq: 02 Oct 2023 20:12

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 41325
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 4.680 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY015789.D
Acq: 02 Oct 2023 20:12

Tgt Ion:128 Resp: 20882
Ion Ratio Lower Upper
128 100
127 13.3 10.8 16.2
129 12.5 8.6 13.0

