

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081523\
 Data File : VY015128.D
 Acq On : 16 Aug 2023 01:42
 Operator : SY/MD
 Sample : 03973-03
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 16 04:26:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

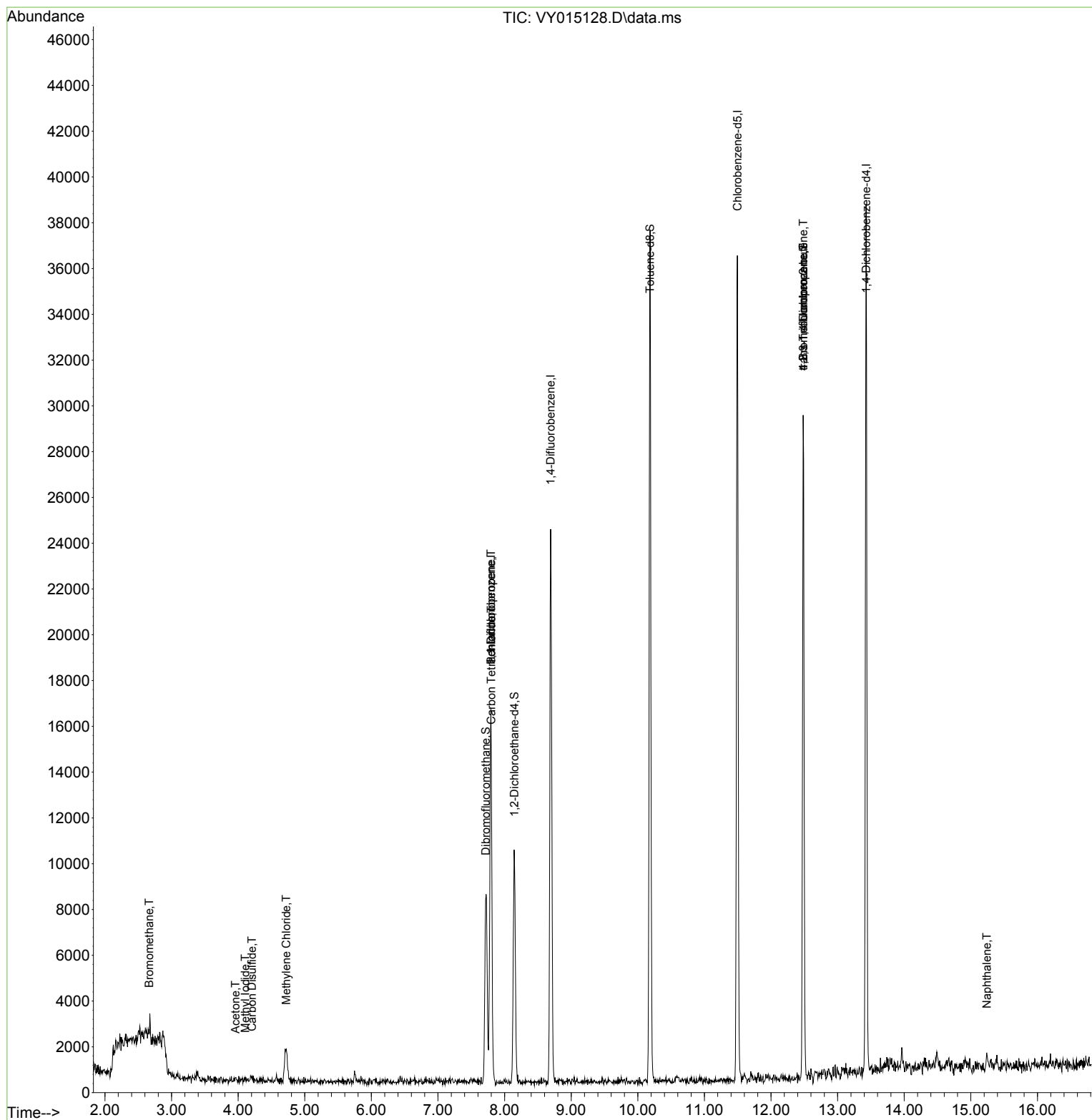
Internal Standards						
1) Pentafluorobenzene	7.795	168	12818	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	21685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	21257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	9660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	8237	53.533	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.060%			
35) Dibromofluoromethane	7.715	113	6393	45.826	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.660%			
50) Toluene-d8	10.185	98	25241	48.603	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.200%			
62) 4-Bromofluorobenzene	12.483	95	9194	48.471	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.940%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	219	Below Cal	#	43
5) Bromomethane	2.661	94	337	3.268	ug/l #	49
10) Methyl Iodide	4.106	142	132	1.259	ug/l #	38
16) Acetone	3.960	43	222	4.416	ug/l #	46
17) Carbon Disulfide	4.204	76	365	2.325	ug/l #	76
20) Methylene Chloride	4.722	84	1293	7.014	ug/l #	73
31) Cyclohexane	7.801	56	271	Below Cal	#	65
36) 1,1-Dichloropropene	7.795	75	922	5.974	ug/l #	48
38) Carbon Tetrachloride	7.801	117	1191	6.520	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	4855	41.368	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	4855	90.864	ug/l #	10
95) Naphthalene	15.239	128	633	1.411	ug/l #	69

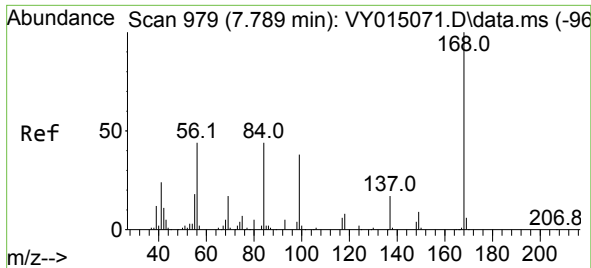
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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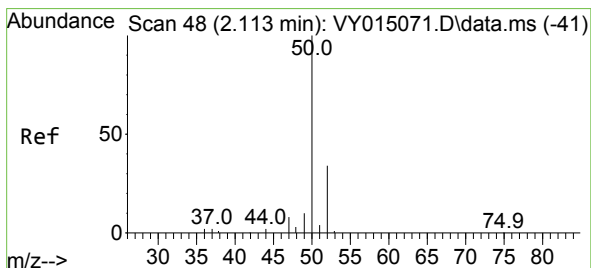
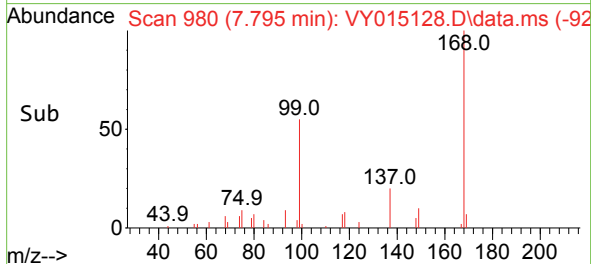
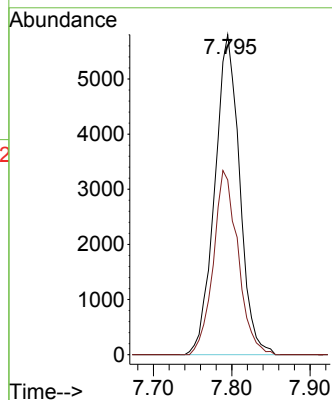
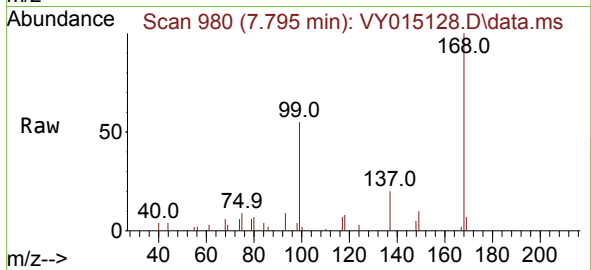




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015128.D
Acq: 16 Aug 2023 01:42

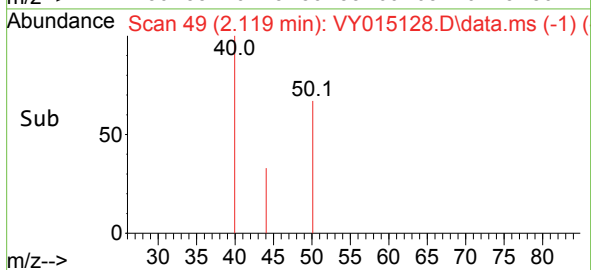
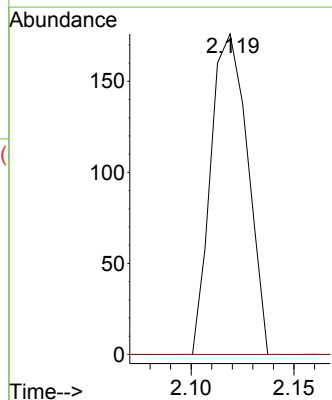
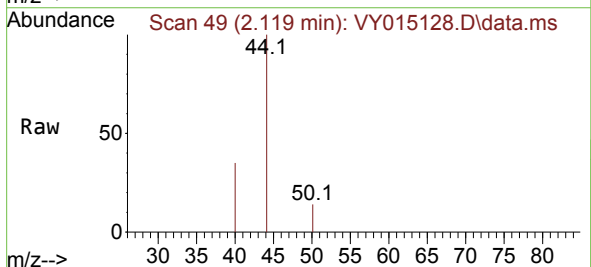
Instrument :
MSVOA_Y
ClientSampleId :

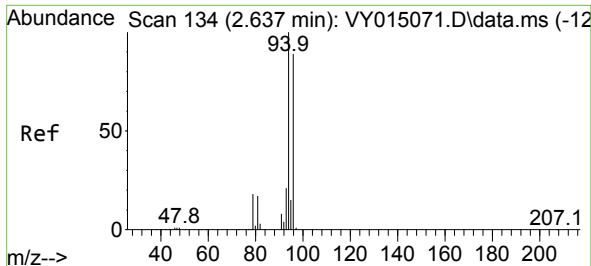
Tgt Ion:168 Resp: 12818
Ion Ratio Lower Upper
168 100
99 54.6 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.012 min
Lab File: VY015128.D
Acq: 16 Aug 2023 01:42

Tgt Ion: 50 Resp: 219
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

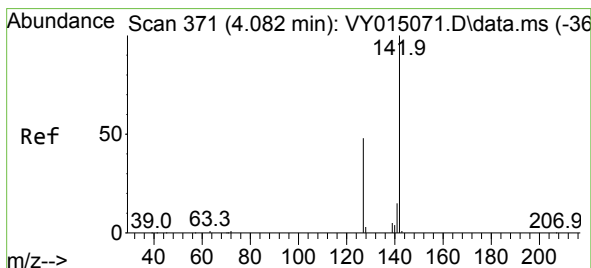
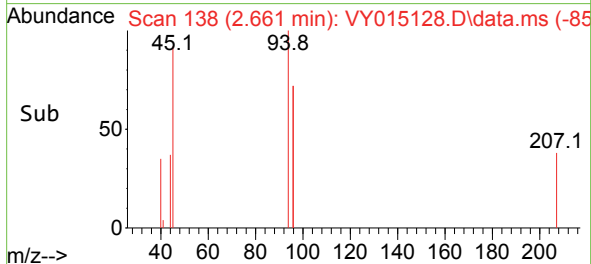
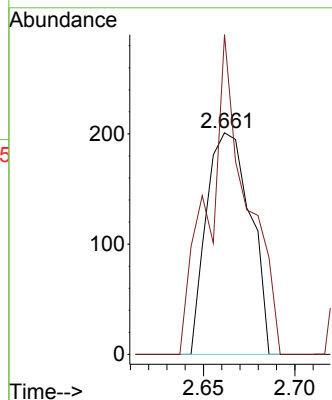
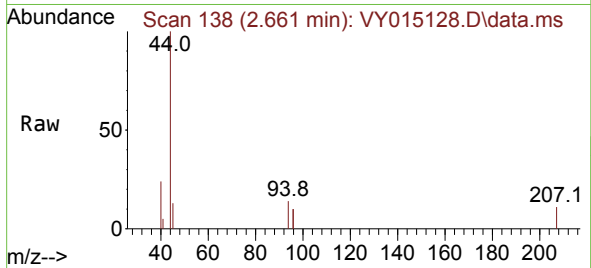




#5
Bromomethane
Concen: 3.268 ug/l
RT: 2.661 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY015128.D
Acq: 16 Aug 2023 01:42

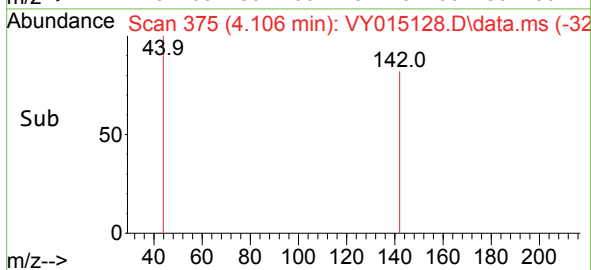
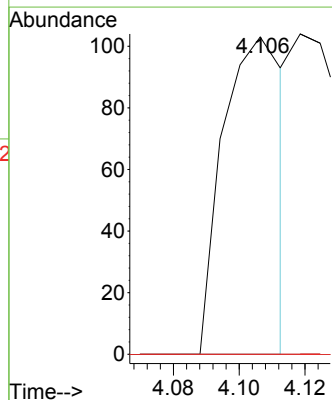
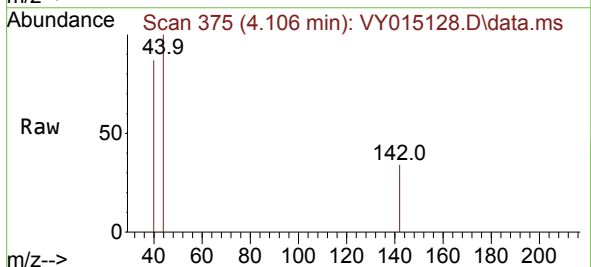
Instrument :
MSVOA_Y
ClientSampleId :

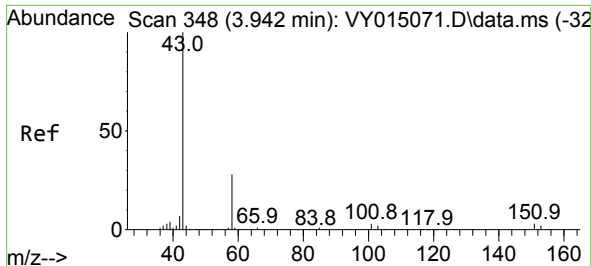
Tgt Ion: 94 Resp: 337
Ion Ratio Lower Upper
94 100
96 144.3 75.8 113.6#



#10
Methyl Iodide
Concen: 1.259 ug/l
RT: 4.106 min Scan# 375
Delta R.T. 0.024 min
Lab File: VY015128.D
Acq: 16 Aug 2023 01:42

Tgt Ion: 142 Resp: 132
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 4.416 ug/l

RT: 3.960 min Scan# 31

Delta R.T. 0.018 min

Lab File: VY015128.D

Acq: 16 Aug 2023 01:42

Instrument :

MSVOA_Y

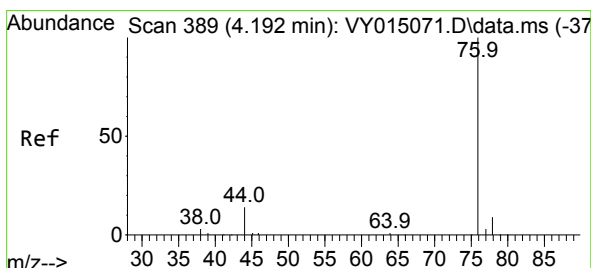
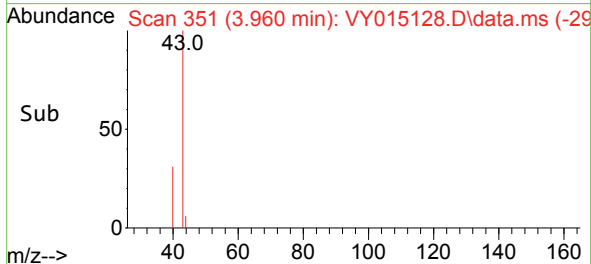
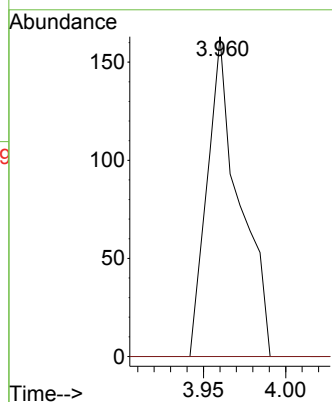
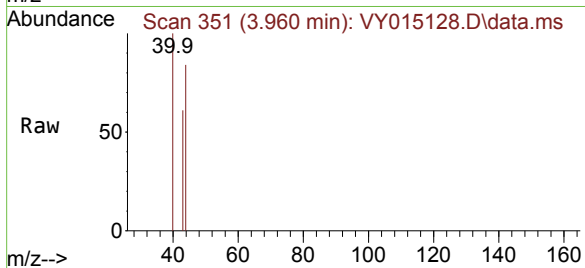
ClientSampleId :

Tgt Ion: 43 Resp: 222

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



#17

Carbon Disulfide

Concen: 2.325 ug/l

RT: 4.204 min Scan# 391

Delta R.T. 0.018 min

Lab File: VY015128.D

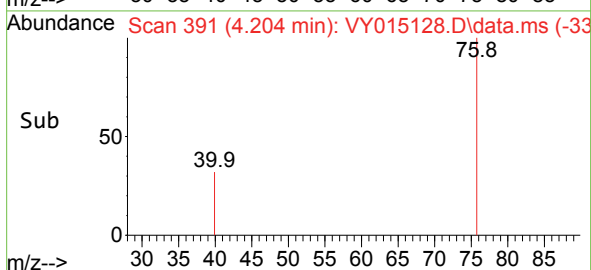
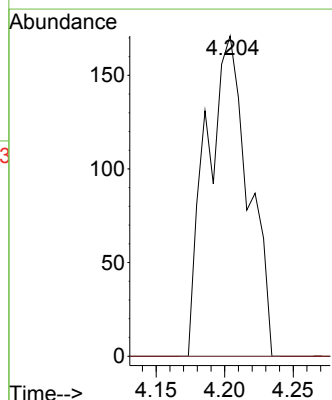
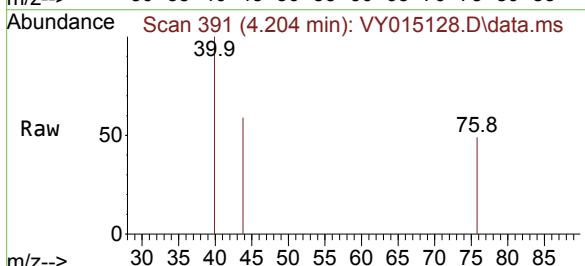
Acq: 16 Aug 2023 01:42

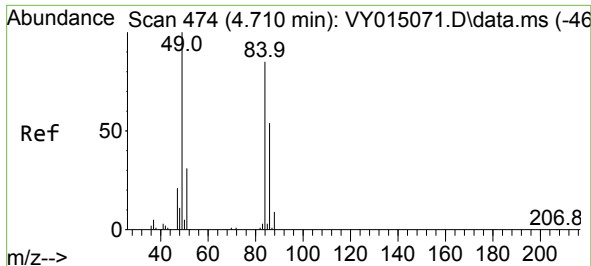
Tgt Ion: 76 Resp: 365

Ion Ratio Lower Upper

76 100

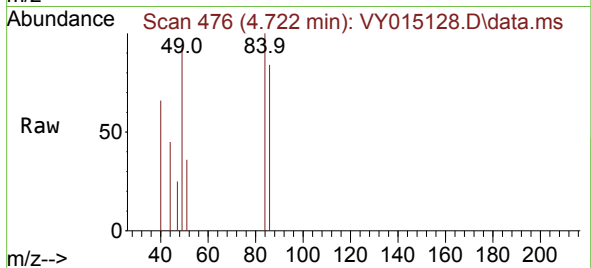
78 0.0 7.0 10.4#



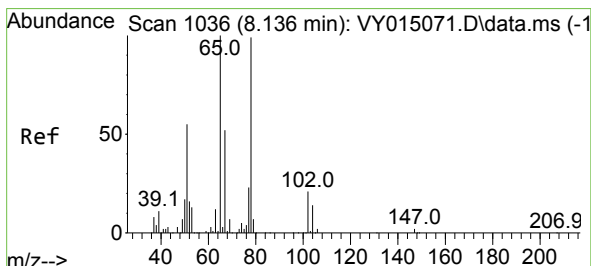
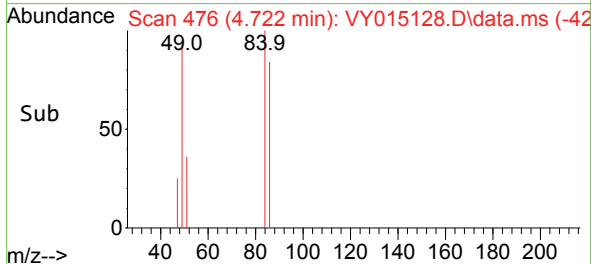
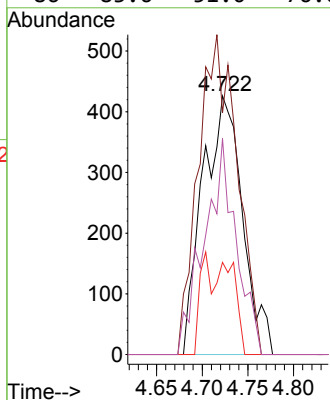


#20
Methylene Chloride
Concen: 7.014 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY015128.D
Acq: 16 Aug 2023 01:42

Instrument :
MSVOA_Y
ClientSampleId :

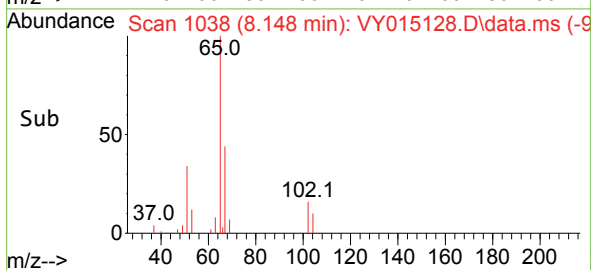
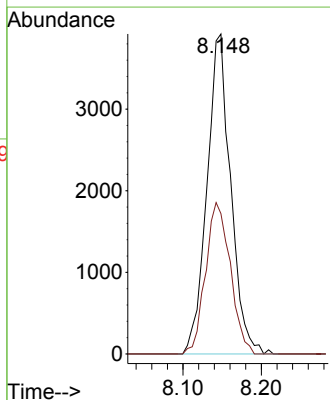
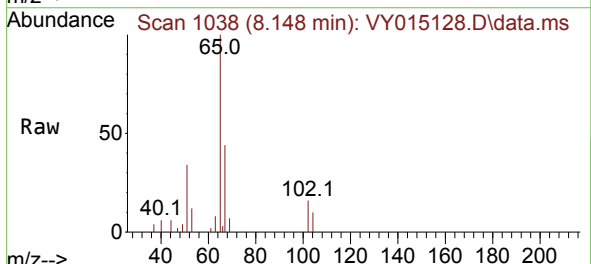


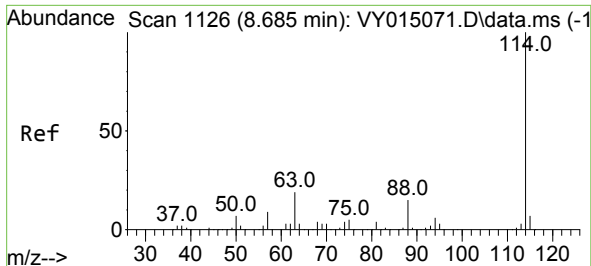
Tgt Ion: 84 Resp: 1293
Ion Ratio Lower Upper
84 100
49 93.4 106.9 160.3#
51 35.7 33.2 49.8
86 83.6 51.0 76.6#



#33
1,2-Dichloroethane-d4
Concen: 53.533 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. 0.012 min
Lab File: VY015128.D
Acq: 16 Aug 2023 01:42

Tgt Ion: 65 Resp: 8237
Ion Ratio Lower Upper
65 100
67 49.4 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: VY015128.D

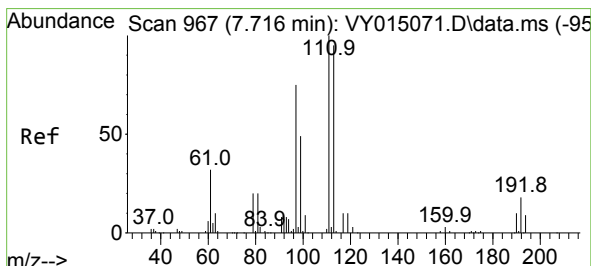
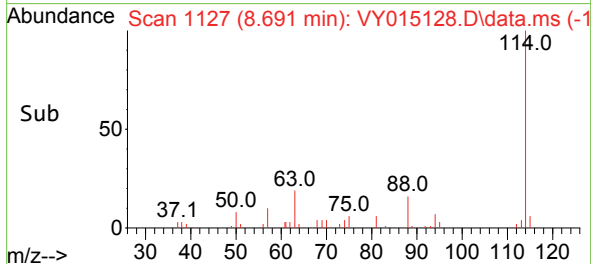
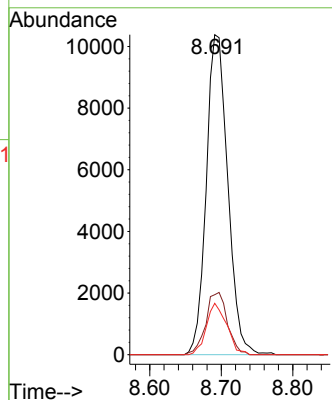
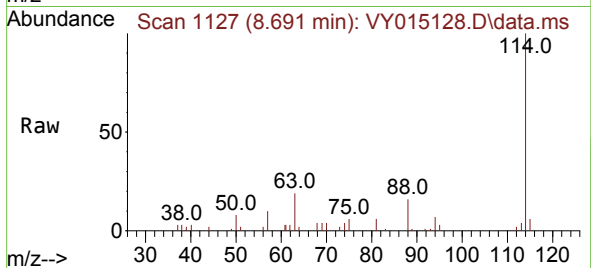
Acq: 16 Aug 2023 01:42

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	21685
Ion Ratio	Lower	Upper
114	100	
63	18.8	0.0 42.4
88	16.1	0.0 30.6



#35

Dibromofluoromethane

Concen: 45.826 ug/l

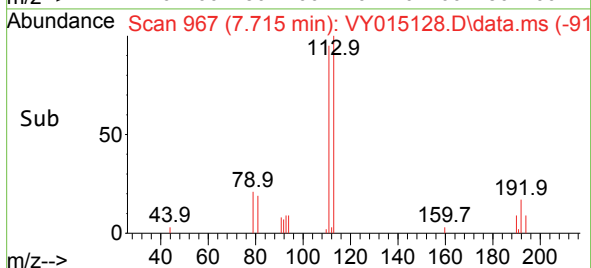
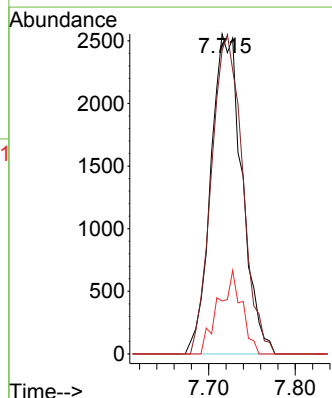
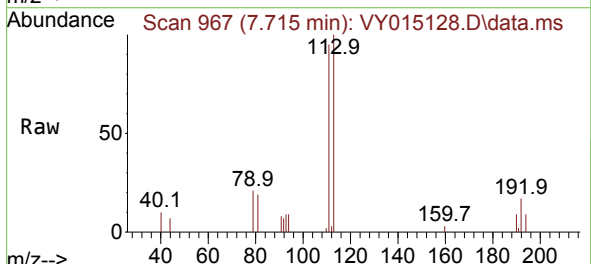
RT: 7.715 min Scan# 967

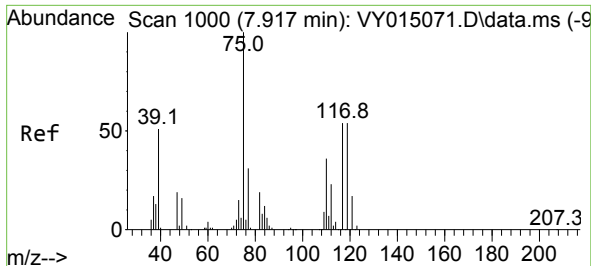
Delta R.T. -0.000 min

Lab File: VY015128.D

Acq: 16 Aug 2023 01:42

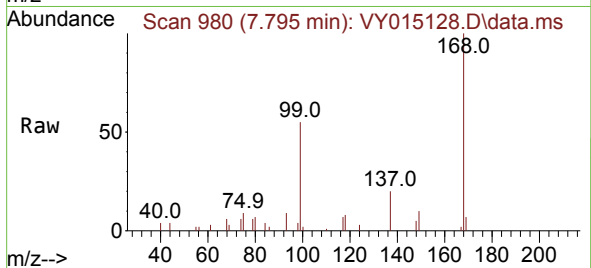
Tgt Ion:113	Resp:	6393
Ion Ratio	Lower	Upper
113	100	
111	98.9	81.3 121.9
192	19.4	16.9 25.3



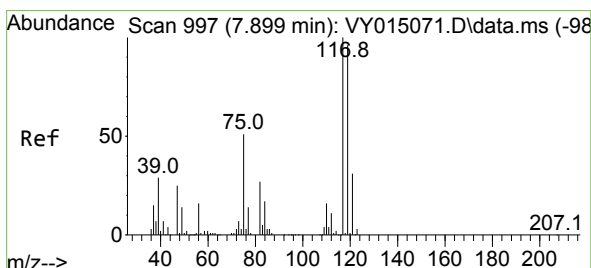
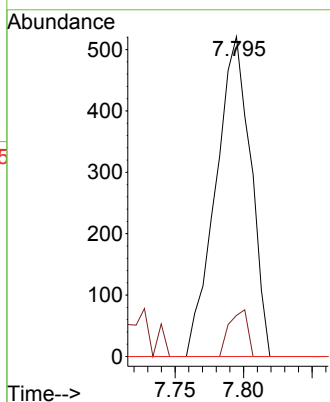
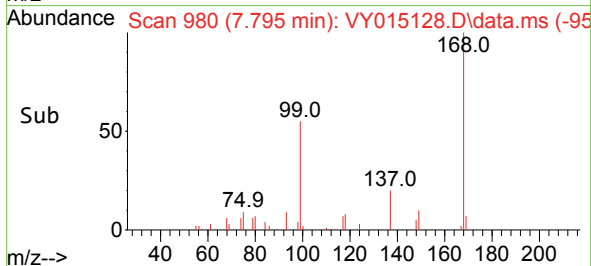


#36
1,1-Dichloropropene
Concen: 5.974 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015128.D
Acq: 16 Aug 2023 01:42

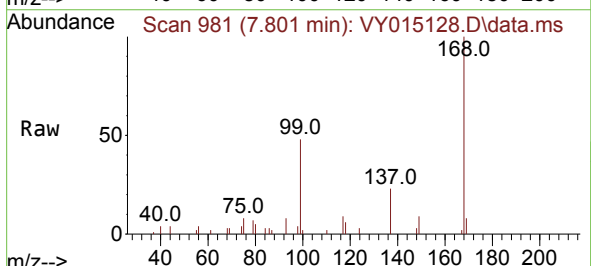
Instrument :
MSVOA_Y
ClientSampleId :



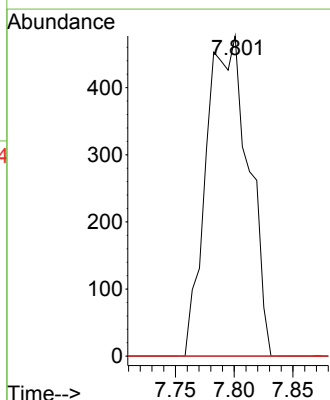
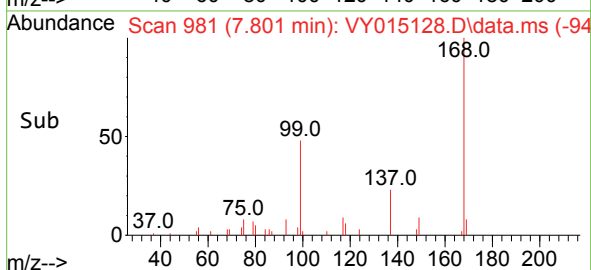
Tgt Ion: 75 Resp: 922
Ion Ratio Lower Upper
75 100
110 7.7 17.8 53.5#
77 0.0 24.4 36.6#

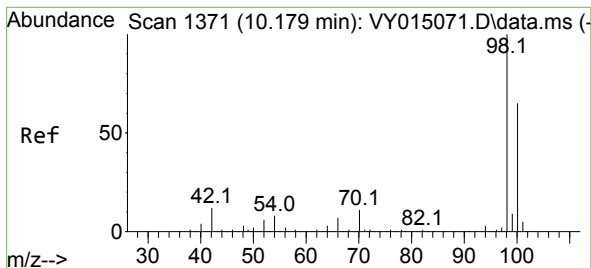


#38
Carbon Tetrachloride
Concen: 6.520 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.098 min
Lab File: VY015128.D
Acq: 16 Aug 2023 01:42



Tgt Ion: 117 Resp: 1191
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 48.603 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015128.D

Acq: 16 Aug 2023 01:42

Instrument :

MSVOA_Y

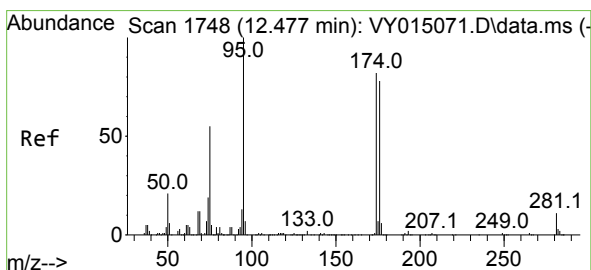
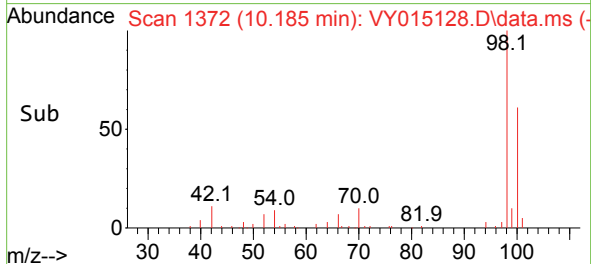
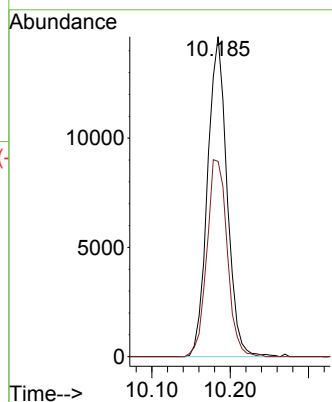
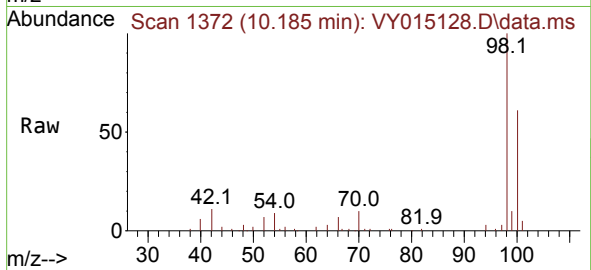
ClientSampleId :

Tgt Ion: 98 Resp: 25241

Ion Ratio Lower Upper

98 100

100 64.4 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 48.471 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015128.D

Acq: 16 Aug 2023 01:42

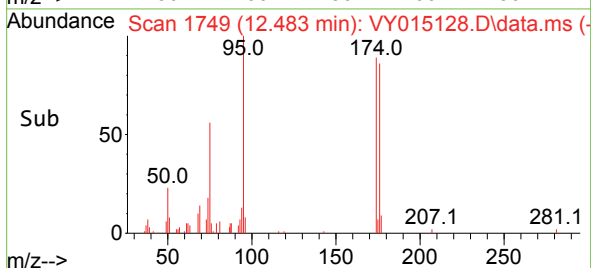
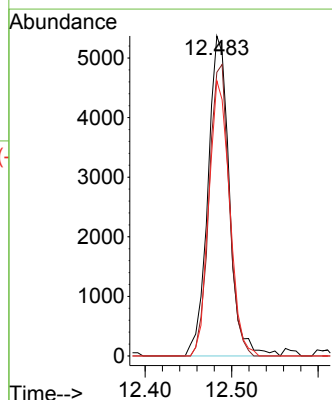
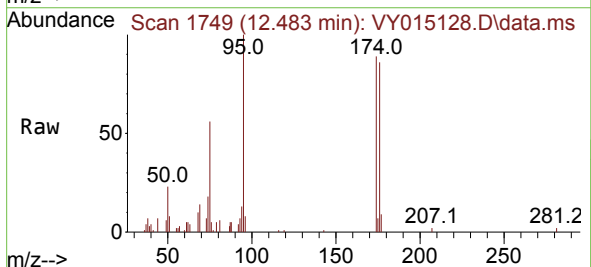
Tgt Ion: 95 Resp: 9194

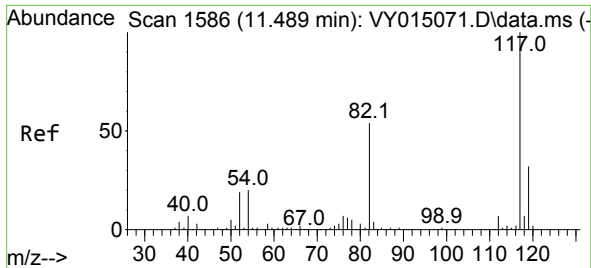
Ion Ratio Lower Upper

95 100

174 85.5 0.0 178.2

176 83.8 0.0 173.8

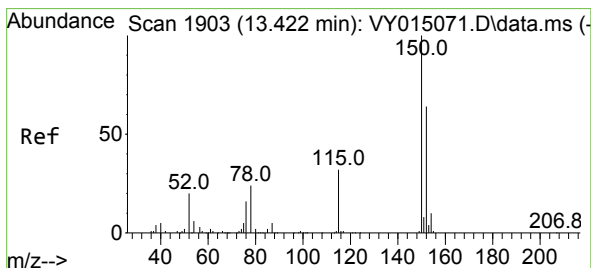
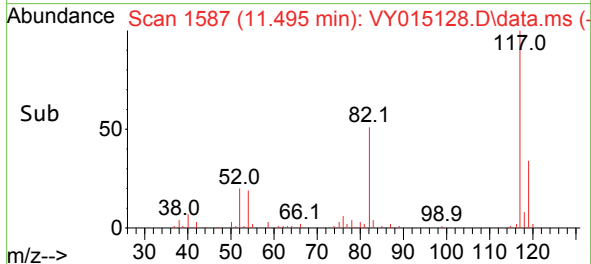
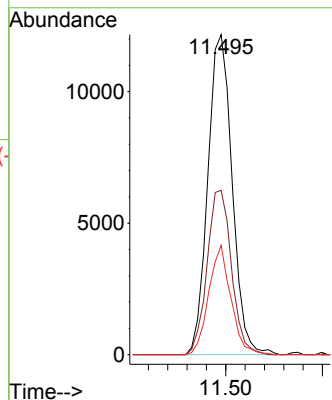
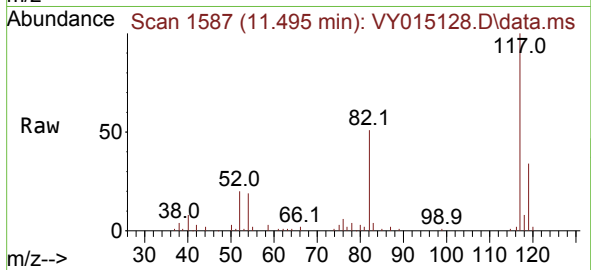




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015128.D
Acq: 16 Aug 2023 01:42

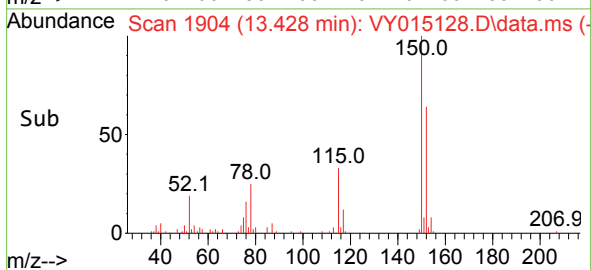
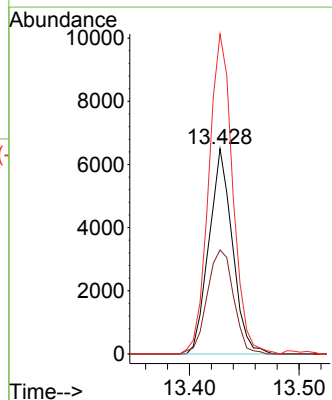
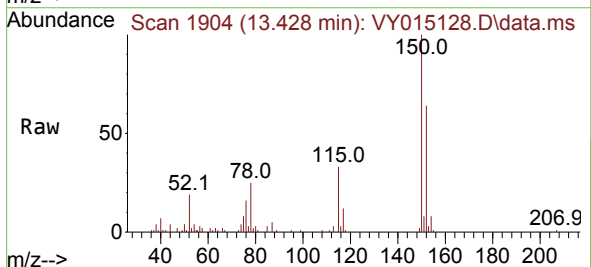
Instrument :
MSVOA_Y
ClientSampleId :

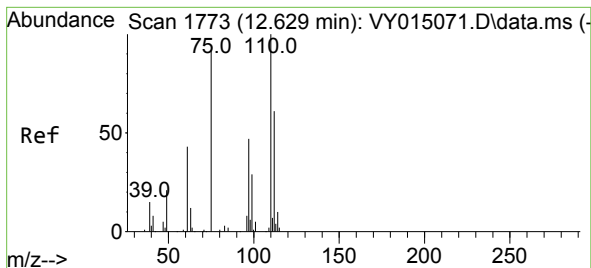
Tgt Ion:117 Resp: 21257
Ion Ratio Lower Upper
117 100
82 51.4 43.4 65.0
119 34.2 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015128.D
Acq: 16 Aug 2023 01:42

Tgt Ion:152 Resp: 9660
Ion Ratio Lower Upper
152 100
115 57.0 28.8 86.5
150 159.7 0.0 348.8

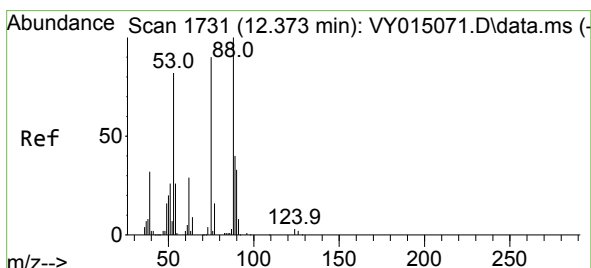
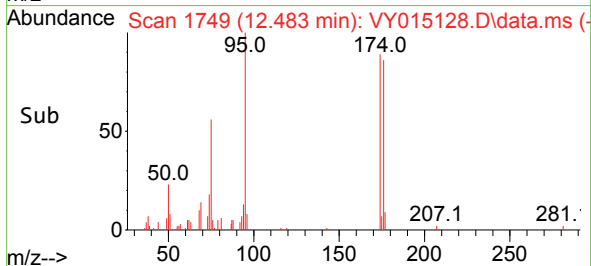
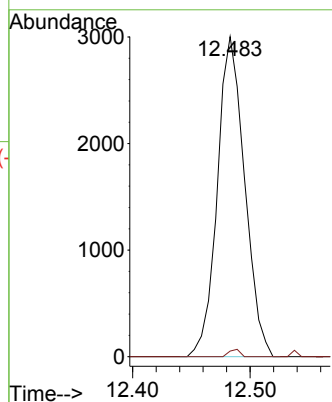
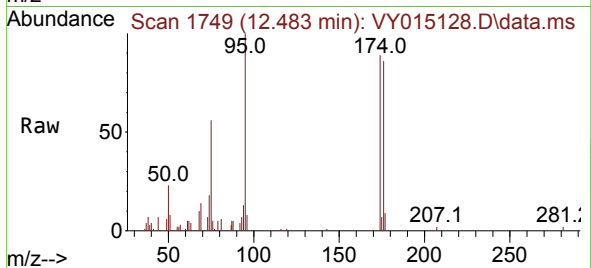




#76
1,2,3-Trichloropropane
Concen: 41.368 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY015128.D
Acq: 16 Aug 2023 01:42

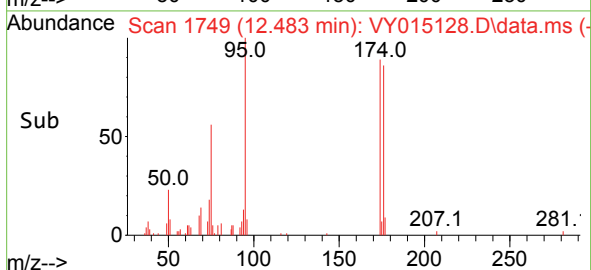
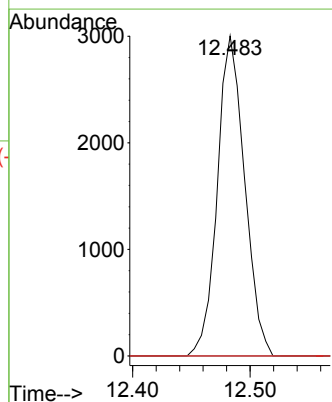
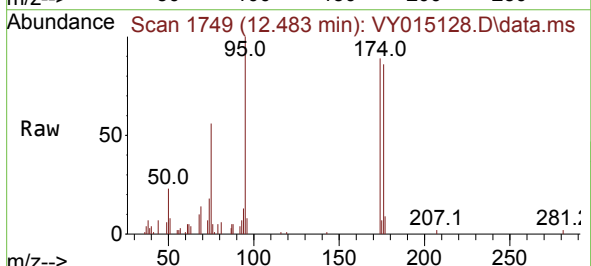
Instrument :
MSVOA_Y
ClientSampleId :

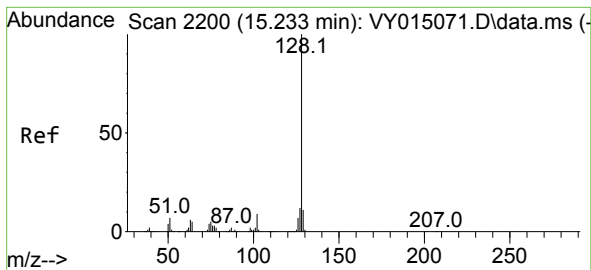
Tgt Ion: 75 Resp: 4855
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.864 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY015128.D
Acq: 16 Aug 2023 01:42

Tgt Ion: 75 Resp: 4855
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#95

Naphthalene

Concen: 1.411 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

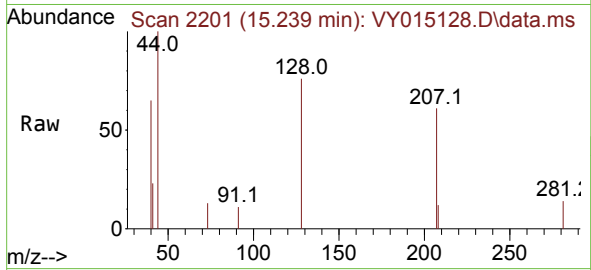
Lab File: VY015128.D

Acq: 16 Aug 2023 01:42

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 633

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.6 13.0#

