

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032023\
 Data File : VY013015.D
 Acq On : 20 Mar 2023 18:01
 Operator : KP/MD
 Sample : 02002-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 031023-3

Quant Time: Mar 21 01:15:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

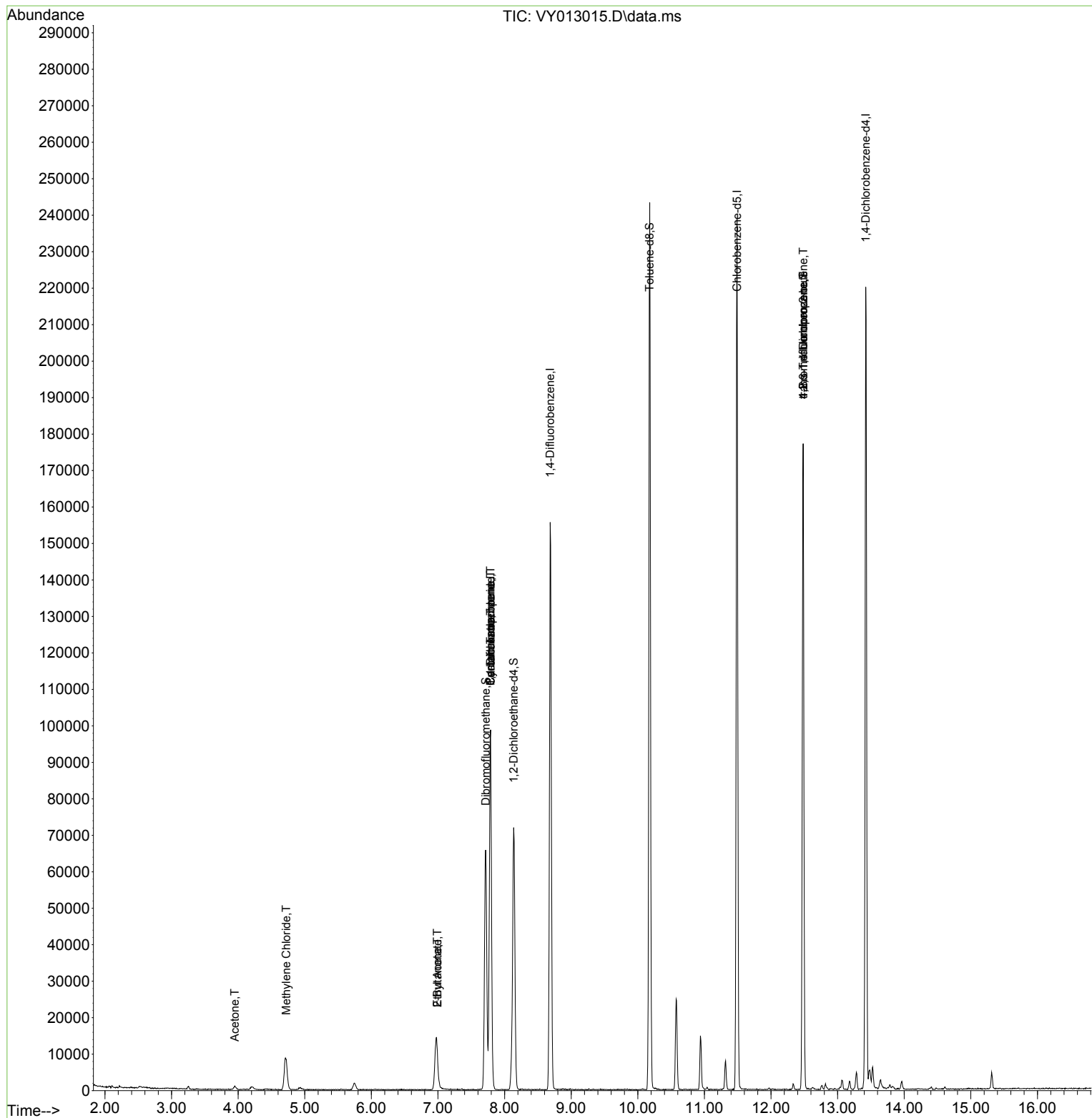
Internal Standards						
1) Pentafluorobenzene	7.789	168	75485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	128016	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	123899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	56539	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	52590	70.170	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	140.340%
35) Dibromofluoromethane	7.716	113	46354	59.999	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	120.000%
50) Toluene-d8	10.179	98	157185	55.653	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	111.300%
62) 4-Bromofluorobenzene	12.483	95	49058	51.461	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.920%
Target Compounds						
11) Tert butyl alcohol	4.942	59	811	Below Cal	#	74
16) Acetone	3.948	43	1541	5.238	ug/l #	81
20) Methylene Chloride	4.722	84	6627	2.251	ug/l	90
25) 2-Butanone	6.990	43	3680	10.100	ug/l #	75
31) Cyclohexane	7.789	56	1778	1.239	ug/l #	6
36) 1,1-Dichloropropene	7.789	75	6120	4.727	ug/l #	49
37) Ethyl Acetate	6.990	43	3680	4.510	ug/l #	78
38) Carbon Tetrachloride	7.789	117	7586	5.674	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	25559	37.856	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	25559	78.439	ug/l #	13

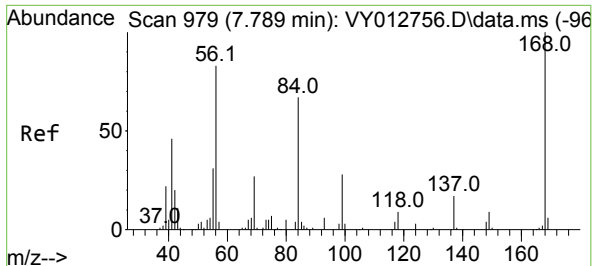
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 03 01:13:13 2023
Response via : Initial Calibration

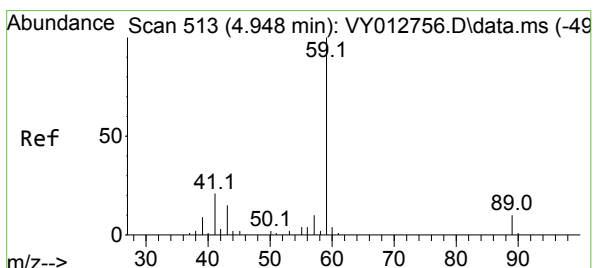
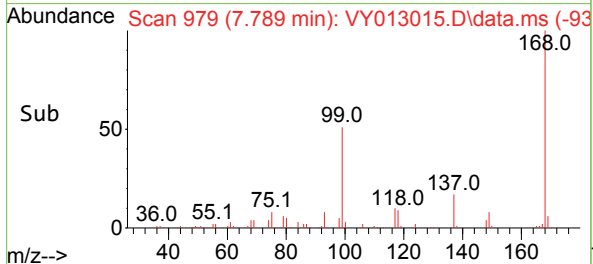
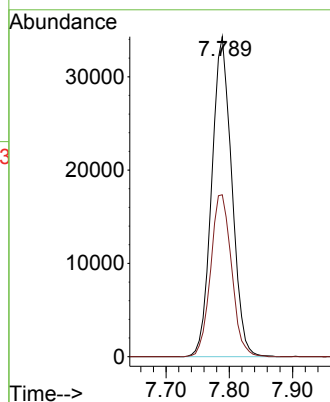
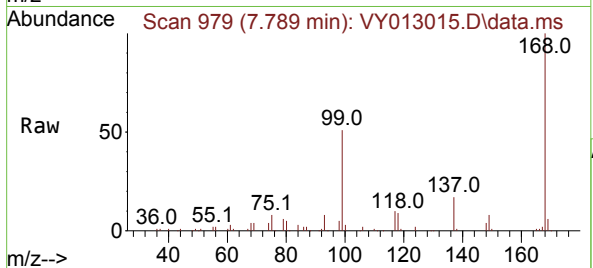




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013015.D
Acq: 20 Mar 2023 18:01

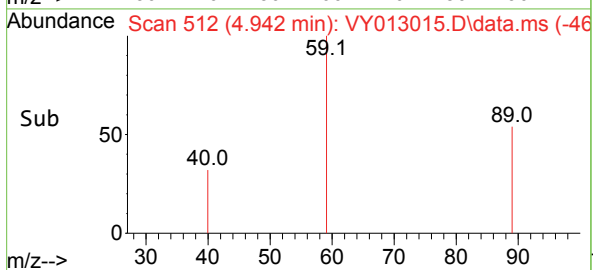
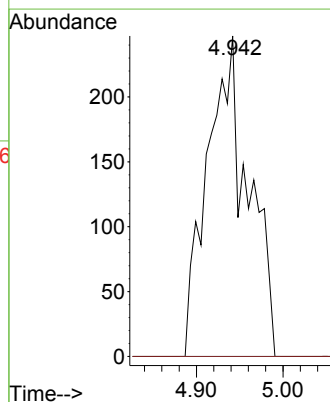
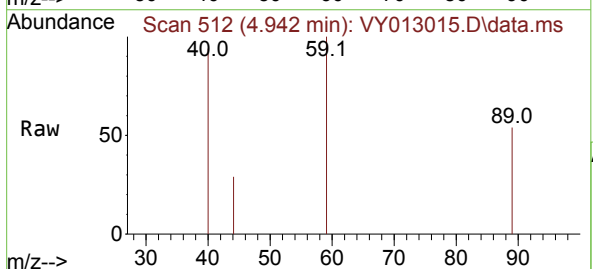
Instrument :
MSVOA_Y
ClientSampleId :
031023-3

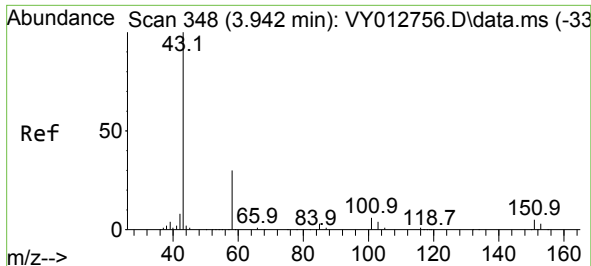
Tgt Ion:168 Resp: 75485
Ion Ratio Lower Upper
168 100
99 50.6 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY013015.D
Acq: 20 Mar 2023 18:01

Tgt Ion: 59 Resp: 811
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

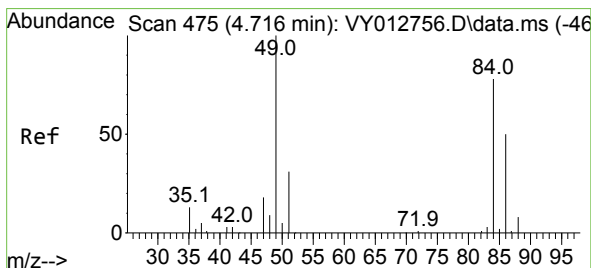
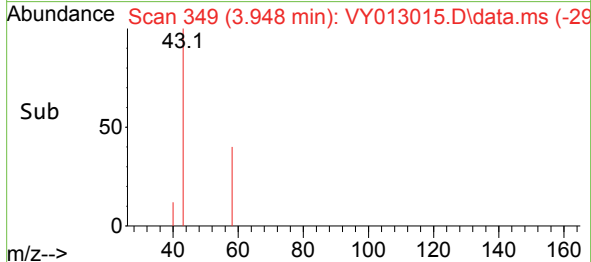
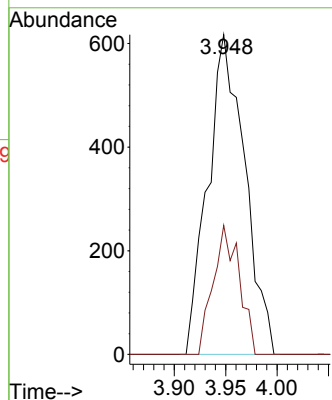
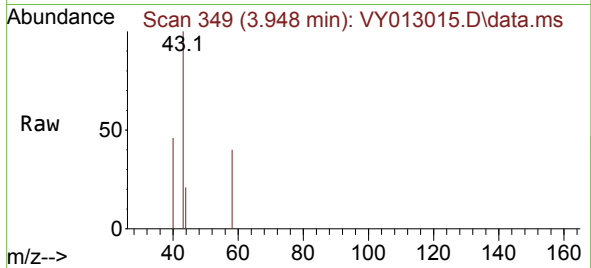




#16
Acetone
Concen: 5.238 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY013015.D
Acq: 20 Mar 2023 18:01

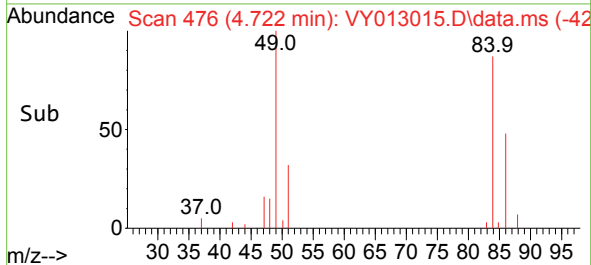
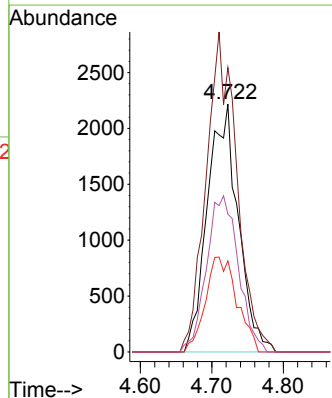
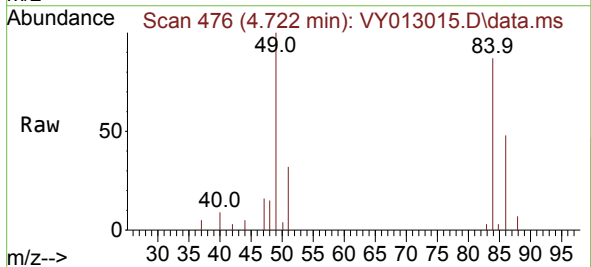
Instrument :
MSVOA_Y
ClientSampleId :
031023-3

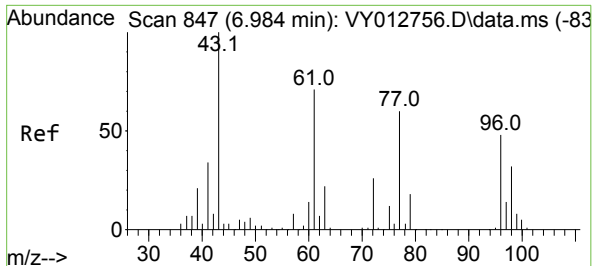
Tgt Ion: 43 Resp: 1541
Ion Ratio Lower Upper
43 100
58 40.4 24.2 36.2#



#20
Methylene Chloride
Concen: 2.251 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY013015.D
Acq: 20 Mar 2023 18:01

Tgt Ion: 84 Resp: 6627
Ion Ratio Lower Upper
84 100
49 114.7 102.6 154.0
51 36.7 31.9 47.9
86 55.6 51.0 76.6





#25

2-Butanone

Concen: 10.100 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY013015.D

Acq: 20 Mar 2023 18:01

Instrument :

MSVOA_Y

ClientSampleId :

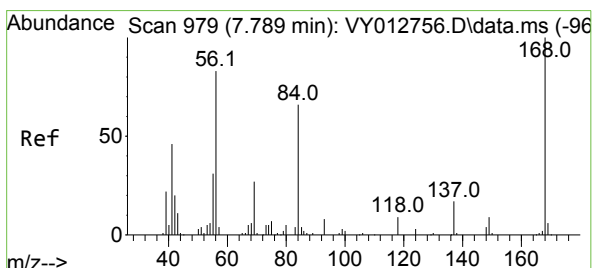
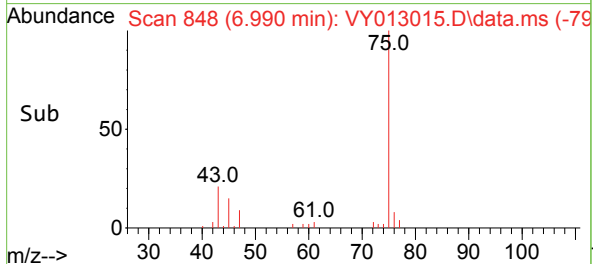
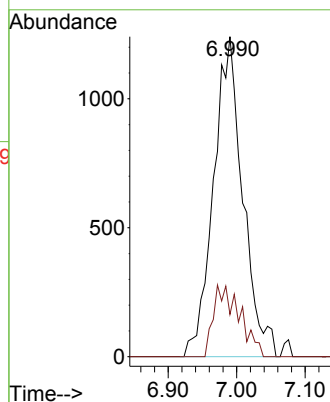
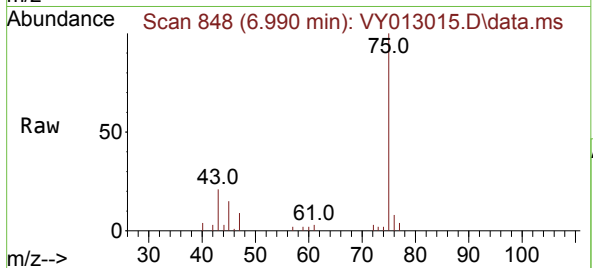
031023-3

Tgt Ion: 43 Resp: 3680

Ion Ratio Lower Upper

43 100

72 13.2 21.0 31.4#



#31

Cyclohexane

Concen: 1.239 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY013015.D

Acq: 20 Mar 2023 18:01

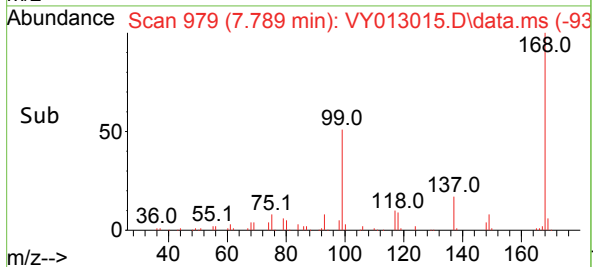
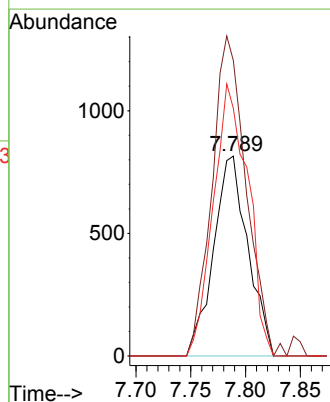
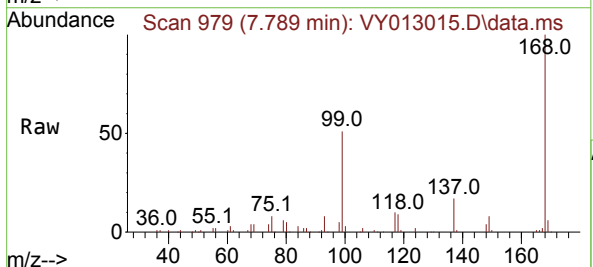
Tgt Ion: 56 Resp: 1778

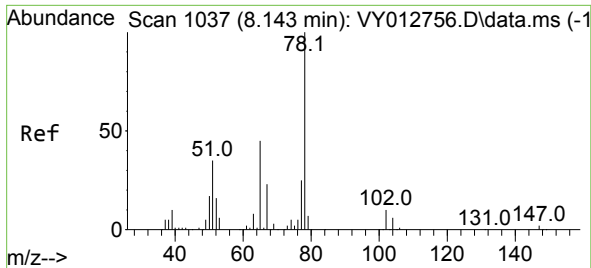
Ion Ratio Lower Upper

56 100

69 147.9 25.7 38.5#

84 123.9 64.3 96.5#

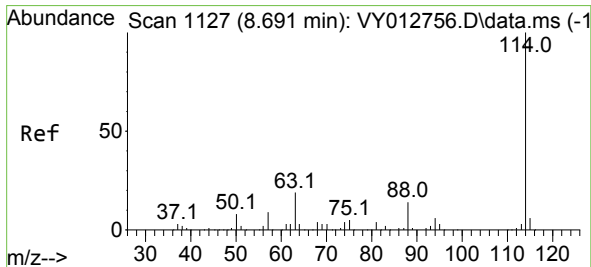
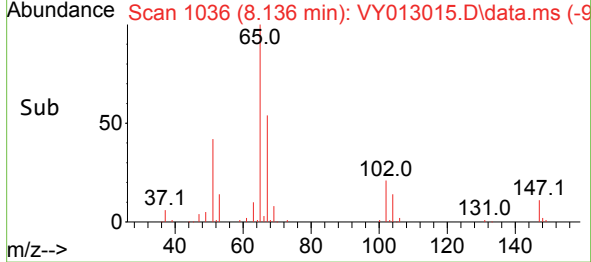
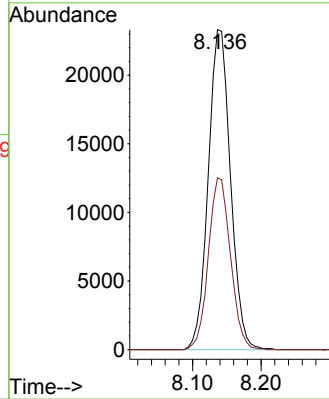
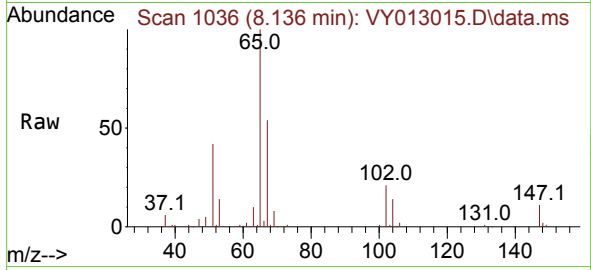




#33
1,2-Dichloroethane-d4
Concen: 70.170 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY013015.D
Acq: 20 Mar 2023 18:01

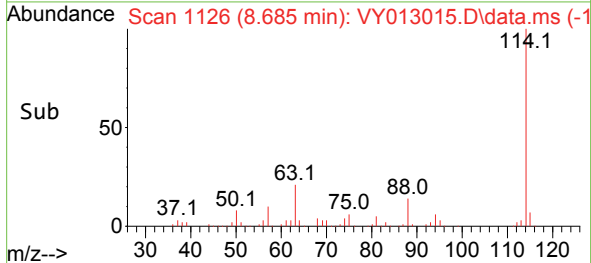
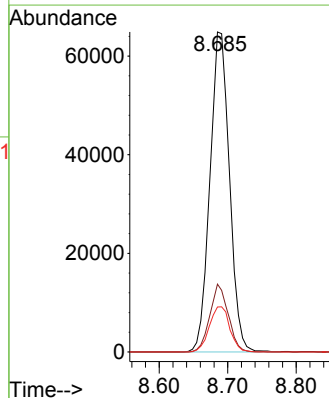
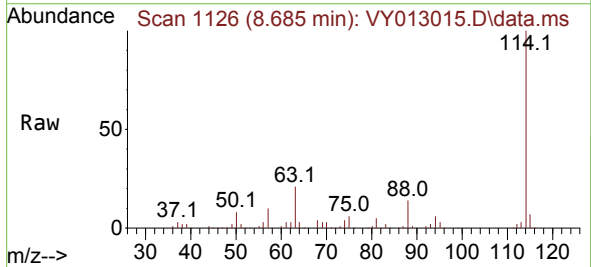
Instrument :
MSVOA_Y
ClientSampleId :
031023-3

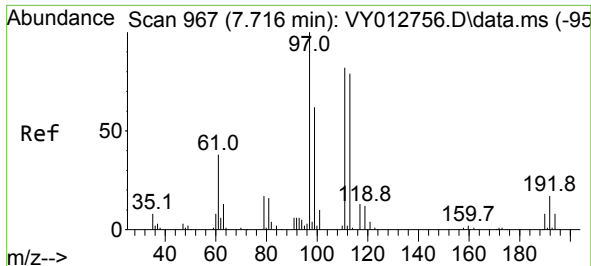
Tgt Ion: 65 Resp: 52590
Ion Ratio Lower Upper
65 100
67 53.3 0.0 104.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY013015.D
Acq: 20 Mar 2023 18:01

Tgt Ion: 114 Resp: 128016
Ion Ratio Lower Upper
114 100
63 21.2 0.0 37.4
88 14.1 0.0 28.6

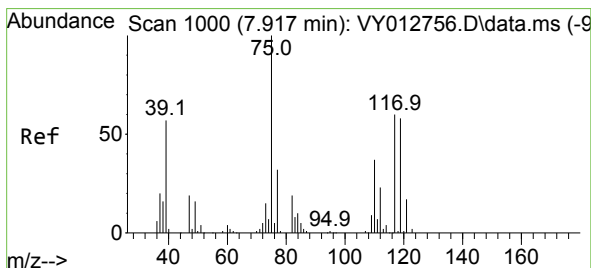
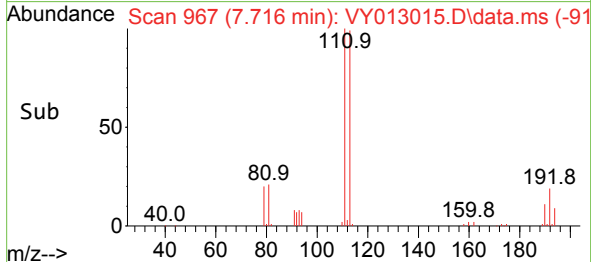
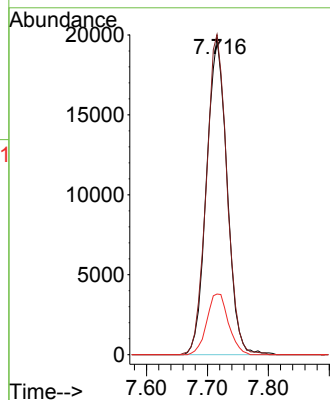
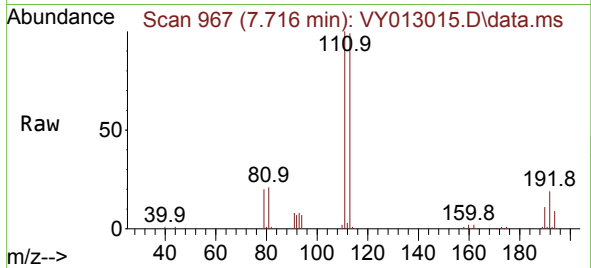




#35
Dibromofluoromethane
Concen: 59.999 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013015.D
Acq: 20 Mar 2023 18:01

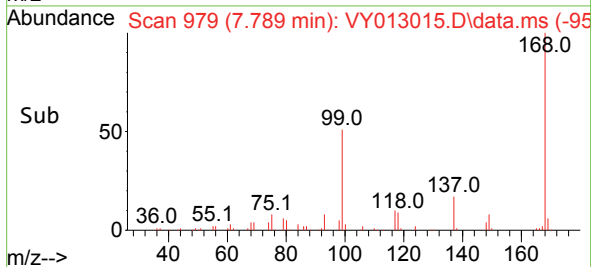
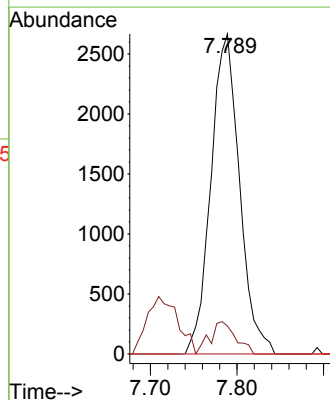
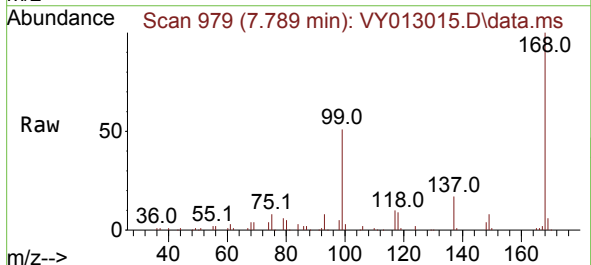
Instrument :
MSVOA_Y
ClientSampleId :
031023-3

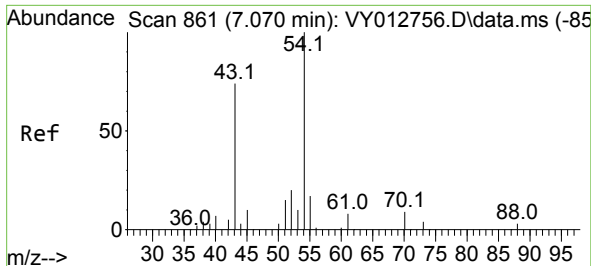
Tgt Ion:113 Resp: 46354
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.2
192 20.2 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.727 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013015.D
Acq: 20 Mar 2023 18:01

Tgt Ion: 75 Resp: 6120
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 4.510 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.079 min

Lab File: VY013015.D

Acq: 20 Mar 2023 18:01

Instrument :

MSVOA_Y

ClientSampleId :

031023-3

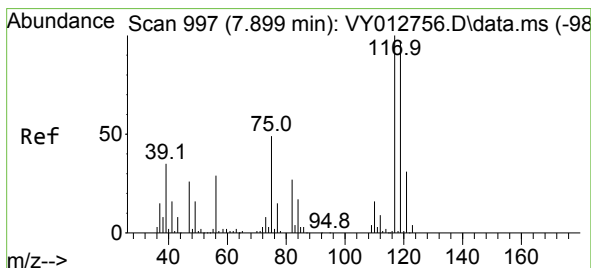
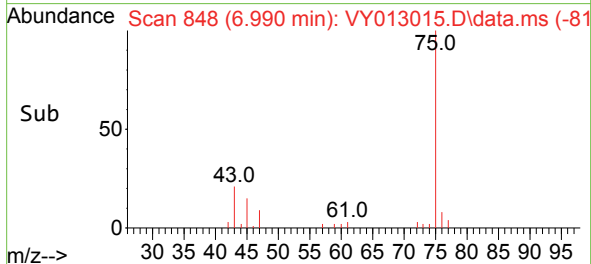
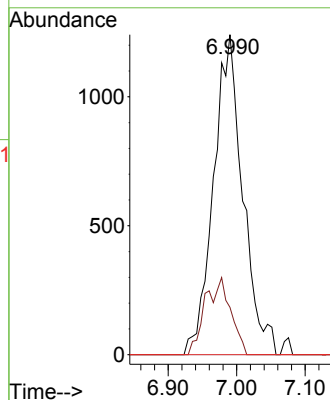
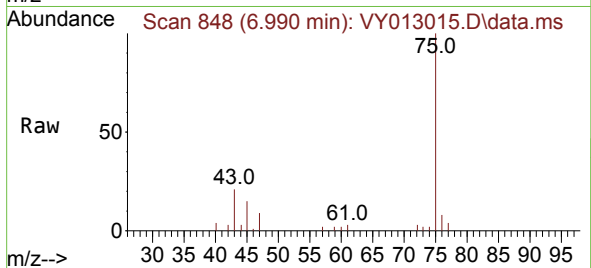
Tgt Ion: 43 Resp: 3680

Ion Ratio Lower Upper

43 100

61 21.1 10.7 16.1#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.674 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013015.D

Acq: 20 Mar 2023 18:01

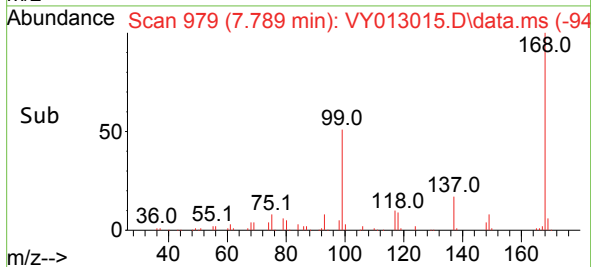
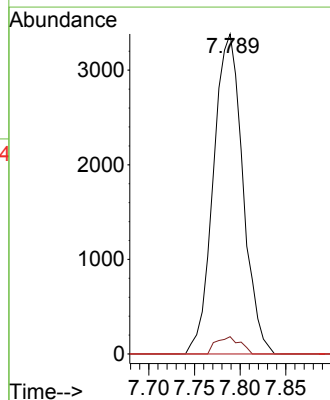
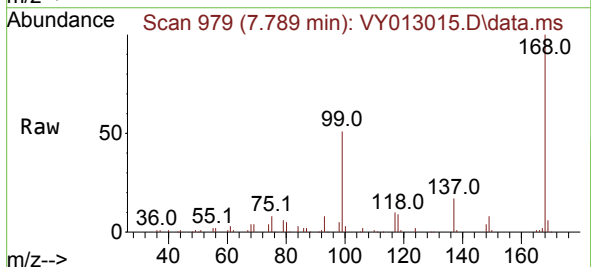
Tgt Ion: 117 Resp: 7586

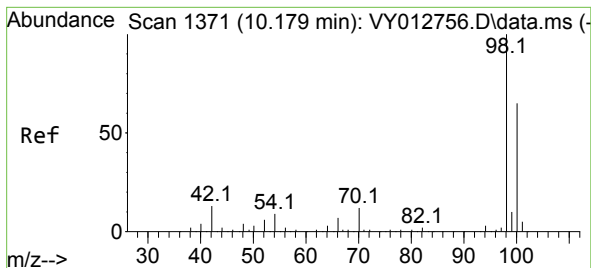
Ion Ratio Lower Upper

117 100

119 5.4 77.2 115.8#

121 0.0 24.7 37.1#

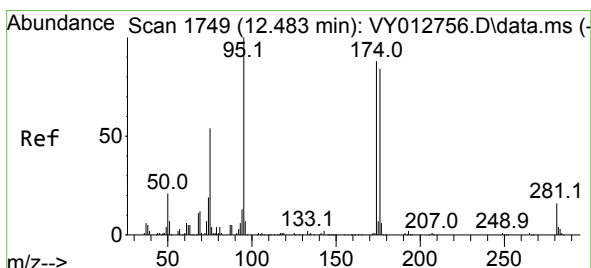
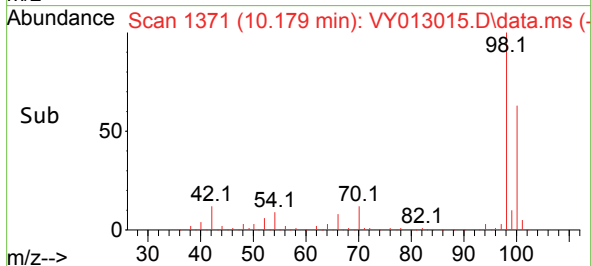
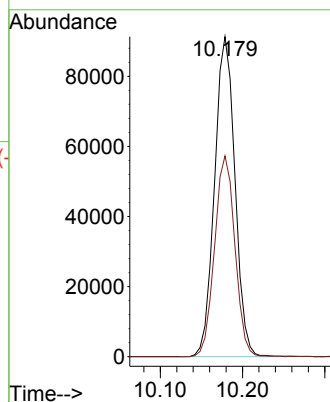
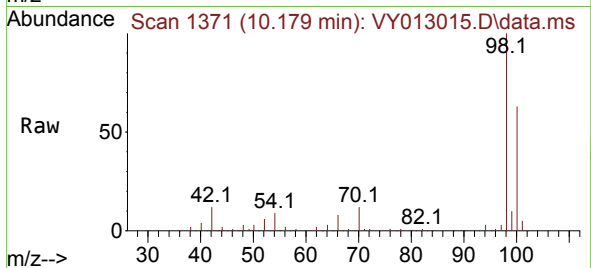




#50
Toluene-d8
Concen: 55.653 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013015.D
Acq: 20 Mar 2023 18:01

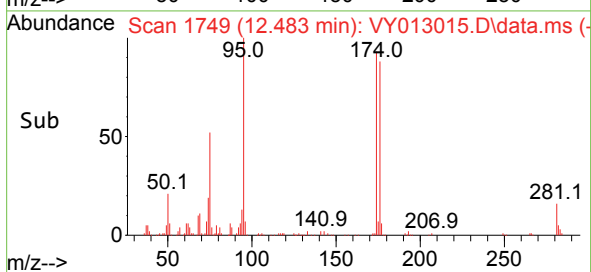
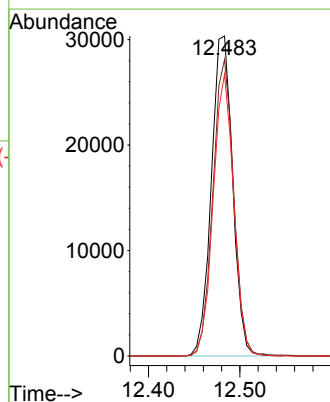
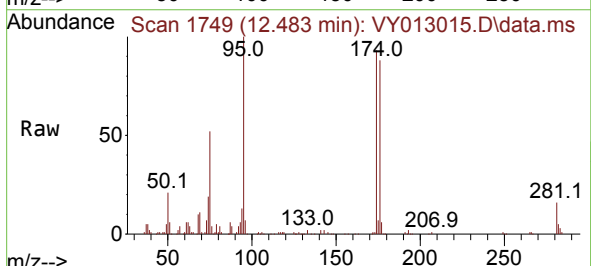
Instrument :
MSVOA_Y
ClientSampleId :
031023-3

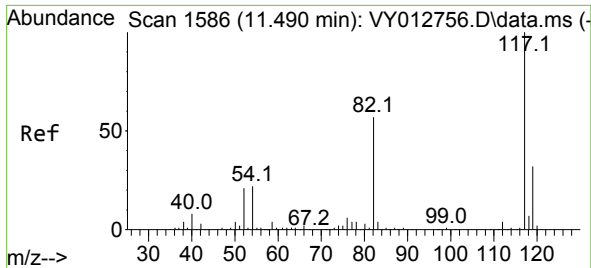
Tgt Ion: 98 Resp: 157185
Ion Ratio Lower Upper
98 100
100 62.6 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 51.461 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013015.D
Acq: 20 Mar 2023 18:01

Tgt Ion: 95 Resp: 49058
Ion Ratio Lower Upper
95 100
174 90.8 0.0 176.6
176 85.1 0.0 170.2

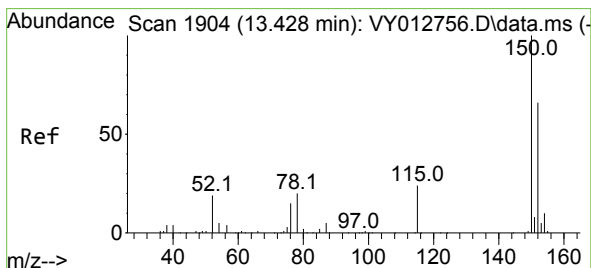
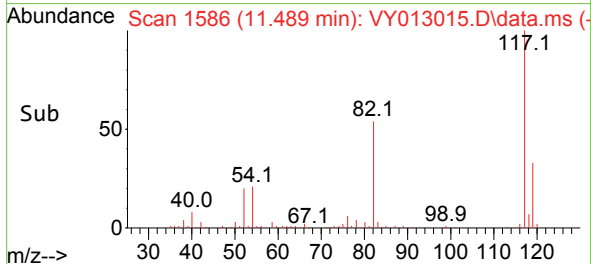
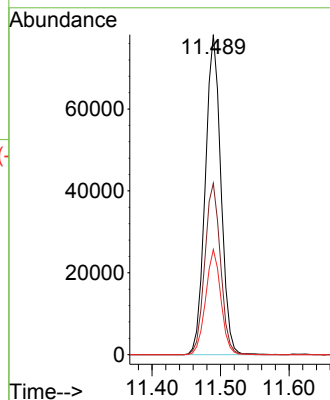
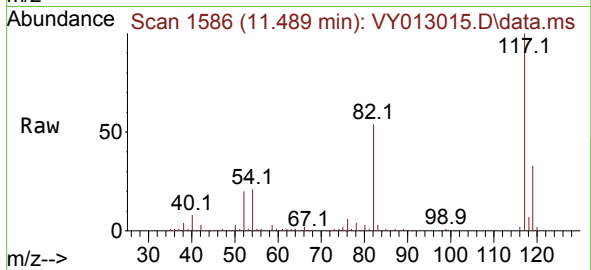




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013015.D
Acq: 20 Mar 2023 18:01

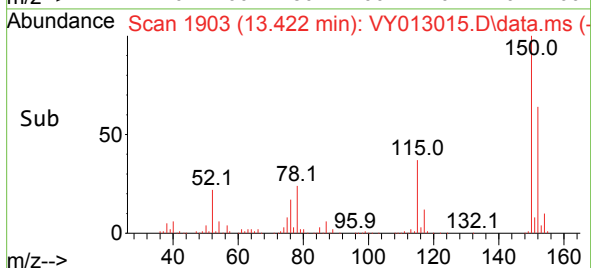
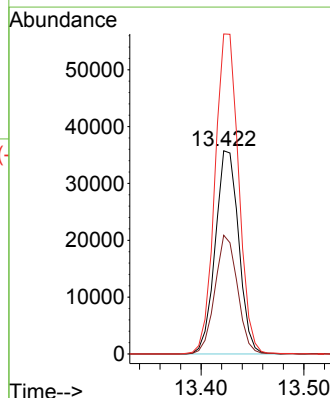
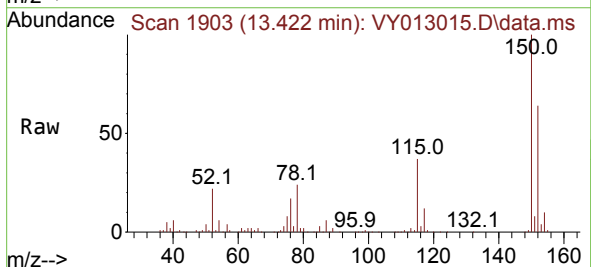
Instrument :
MSVOA_Y
ClientSampleId :
031023-3

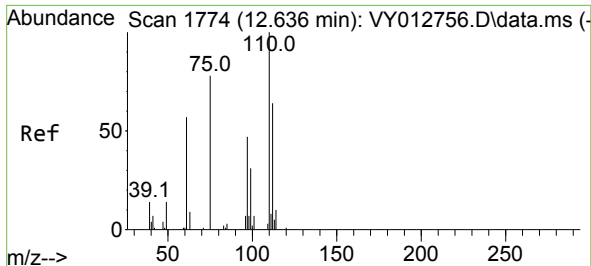
Tgt Ion:117 Resp: 123899
Ion Ratio Lower Upper
117 100
82 53.6 45.4 68.0
119 32.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013015.D
Acq: 20 Mar 2023 18:01

Tgt Ion:152 Resp: 56539
Ion Ratio Lower Upper
152 100
115 56.2 27.1 81.3
150 159.4 0.0 347.8

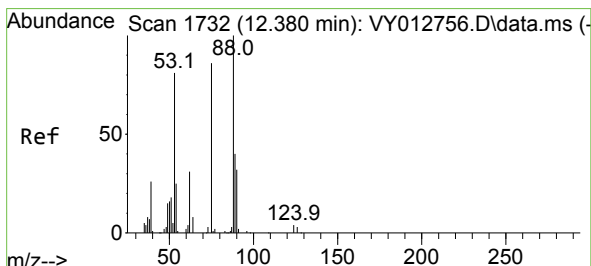
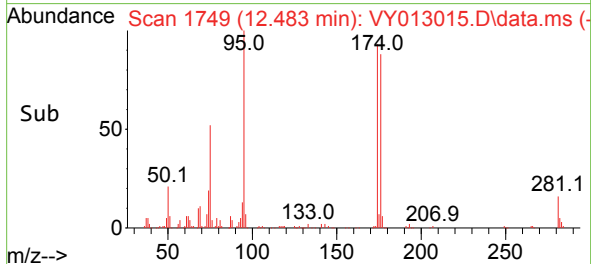
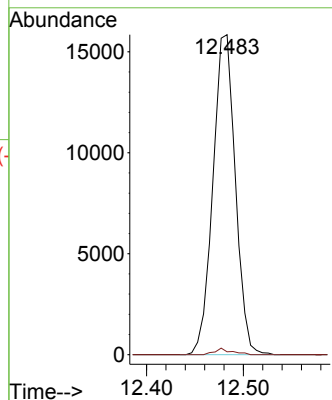
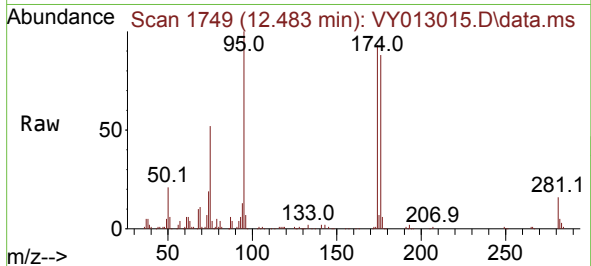




#76
1,2,3-Trichloropropane
Concen: 37.856 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY013015.D
Acq: 20 Mar 2023 18:01

Instrument :
MSVOA_Y
ClientSampleId :
031023-3

Tgt Ion: 75 Resp: 25559
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.439 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013015.D
Acq: 20 Mar 2023 18:01

Tgt Ion: 75 Resp: 25559
Ion Ratio Lower Upper
75 100
53 0.1 73.4 110.0#
89 0.1 36.6 55.0#

