

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101323\
 Data File : VY015955.D
 Acq On : 13 Oct 2023 14:21
 Operator : SY/MD
 Sample : 04878-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 14 01:50:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

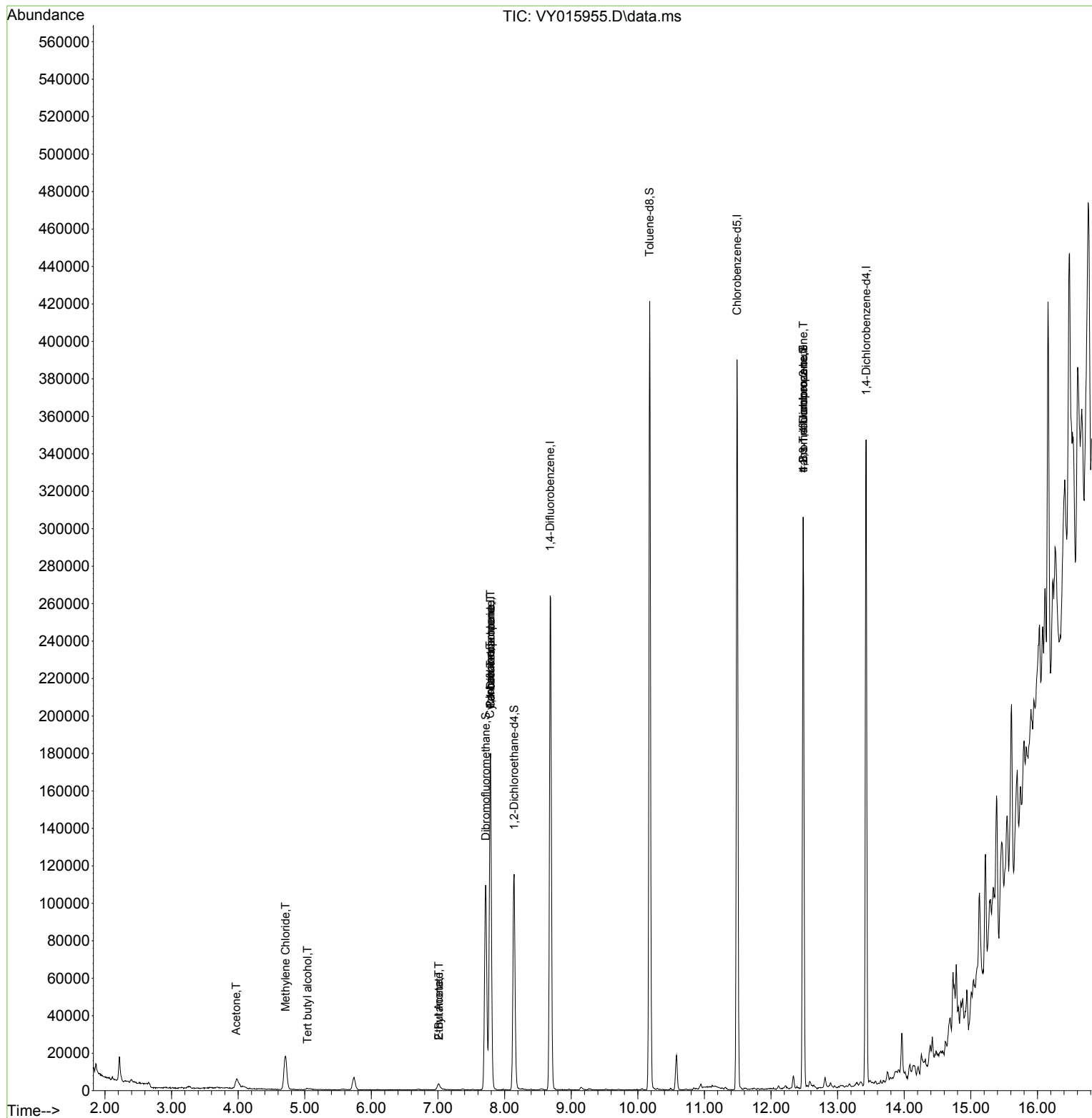
Internal Standards						
1) Pentafluorobenzene	7.789	168	138044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	235367	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.489	117	214796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	90230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	89605	56.875	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.760%			
35) Dibromofluoromethane	7.715	113	79441	53.612	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.220%			
50) Toluene-d8	10.178	98	274860	49.532	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.060%			
62) 4-Bromofluorobenzene	12.483	95	92020	46.570	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.140%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	992	Below Cal		89
11) Tert butyl alcohol	5.039	59	1309	1.432 ug/l #		91
16) Acetone	3.972	43	13016	14.222 ug/l		95
20) Methylene Chloride	4.710	84	14287	4.388 ug/l #		88
25) 2-Butanone	7.014	43	3843	2.885 ug/l #		90
31) Cyclohexane	7.782	56	2767	1.103 ug/l #		1
36) 1,1-Dichloropropene	7.789	75	9881	4.419 ug/l #		51
37) Ethyl Acetate	7.014	43	3843	1.114 ug/l #		71
38) Carbon Tetrachloride	7.789	117	13739	5.835 ug/l #		16
76) 1,2,3-Trichloropropane	12.483	75	46142	26.131 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.483	75	46142	61.556 ug/l #		11

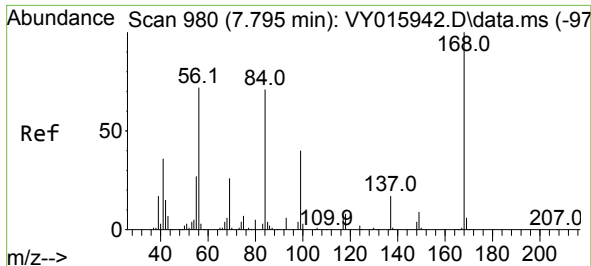
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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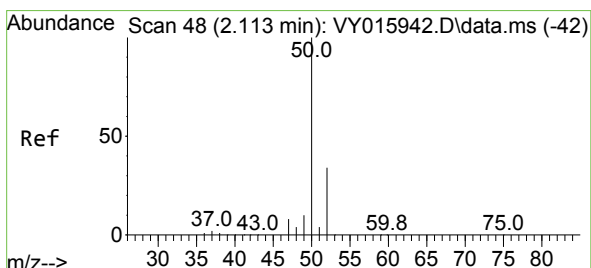
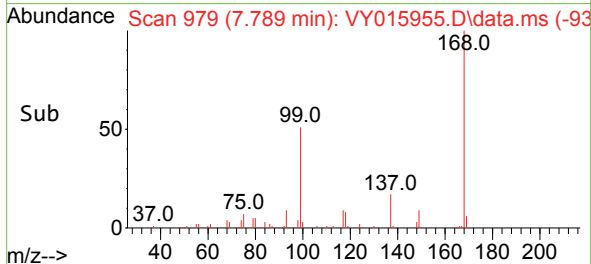
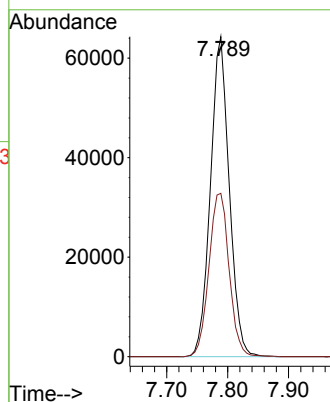
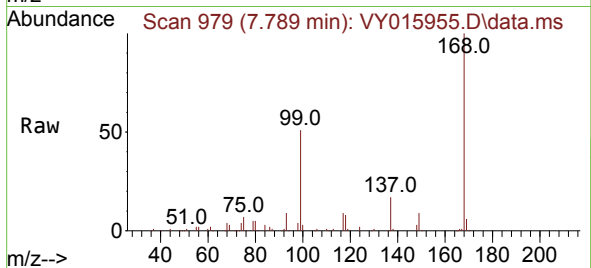




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015955.D
Acq: 13 Oct 2023 14:21

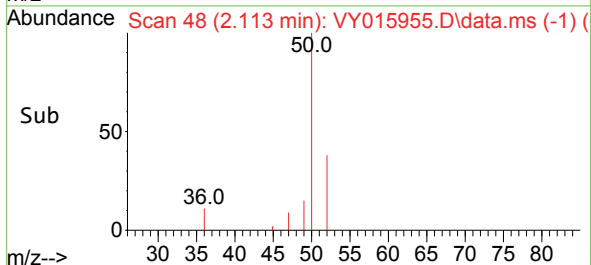
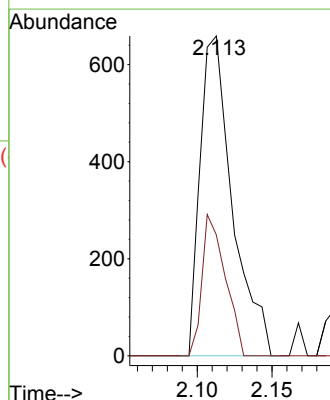
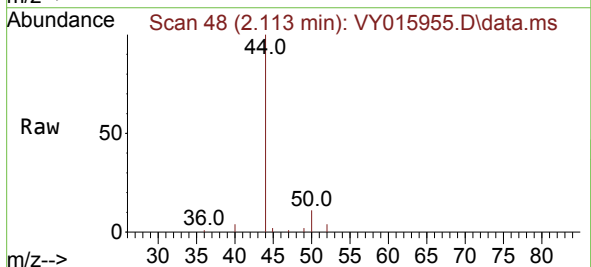
Instrument :
MSVOA_Y
ClientSampleId :

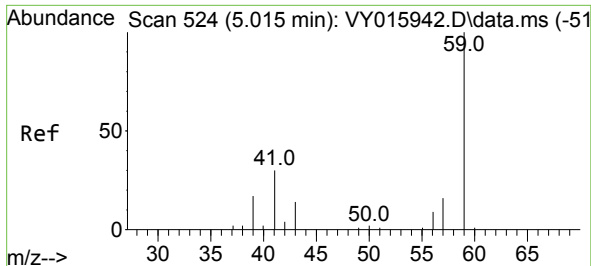
Tgt Ion:168 Resp: 138044
Ion Ratio Lower Upper
168 100
99 51.1 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY015955.D
Acq: 13 Oct 2023 14:21

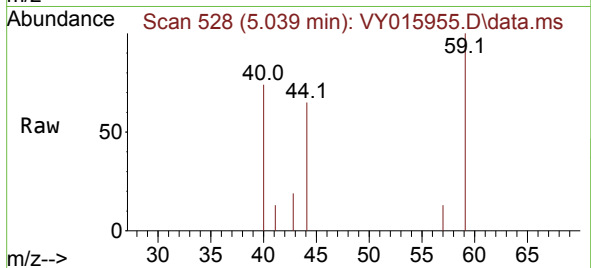
Tgt Ion: 50 Resp: 992
Ion Ratio Lower Upper
50 100
52 37.8 25.4 38.2



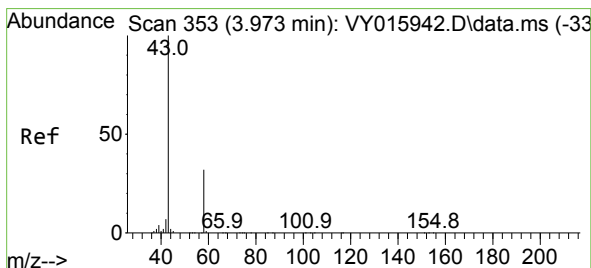
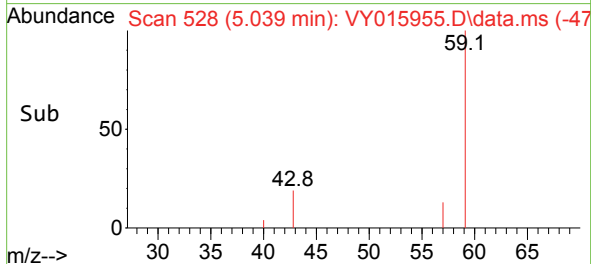
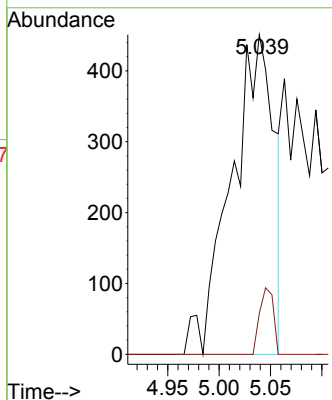


#11
Tert butyl alcohol
Concen: 1.432 ug/l
RT: 5.039 min Scan# 51
Delta R.T. 0.024 min
Lab File: VY015955.D
Acq: 13 Oct 2023 14:21

Instrument :
MSVOA_Y
ClientSampleId :

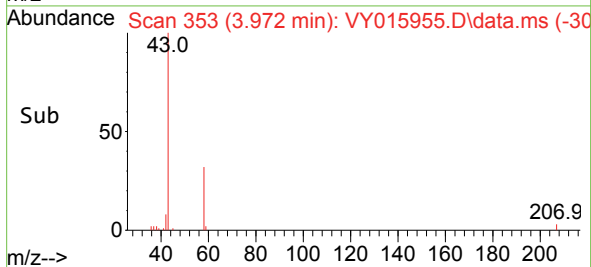
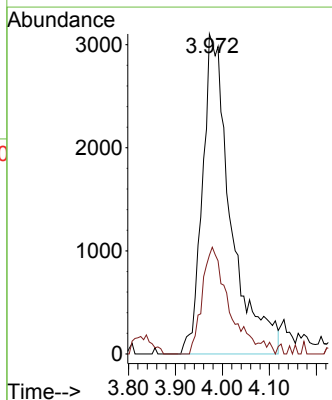
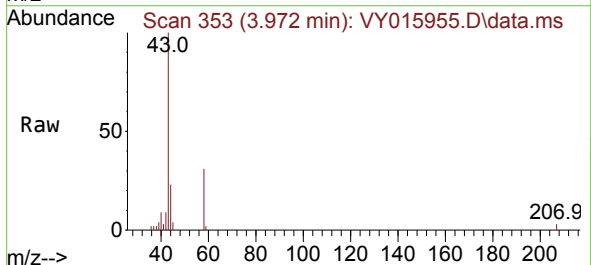


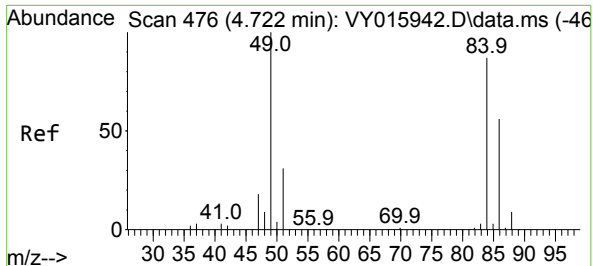
Tgt Ion: 59 Resp: 1309
Ion Ratio Lower Upper
59 100
57 6.6 3.0 4.4#



#16
Acetone
Concen: 14.222 ug/l
RT: 3.972 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY015955.D
Acq: 13 Oct 2023 14:21

Tgt Ion: 43 Resp: 13016
Ion Ratio Lower Upper
43 100
58 30.8 22.7 34.1





#20

Methylene Chloride

Concen: 4.388 ug/l

RT: 4.710 min Scan# 41

Delta R.T. -0.012 min

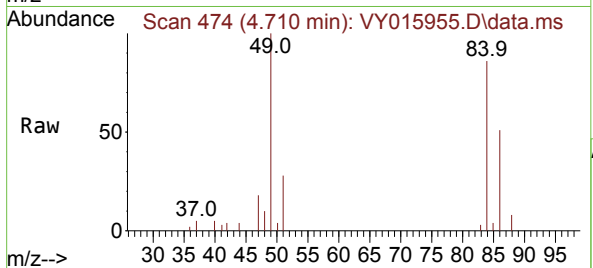
Lab File: VY015955.D

Acq: 13 Oct 2023 14:21

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 14287

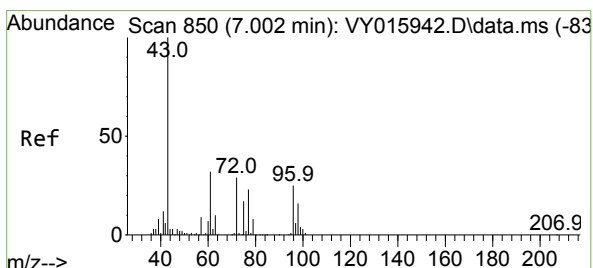
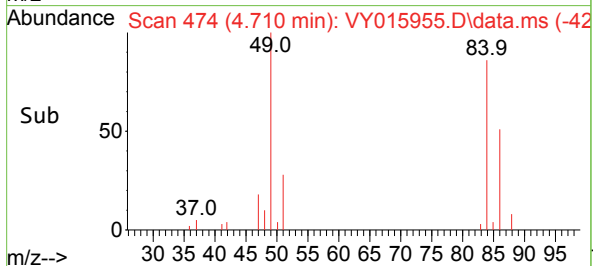
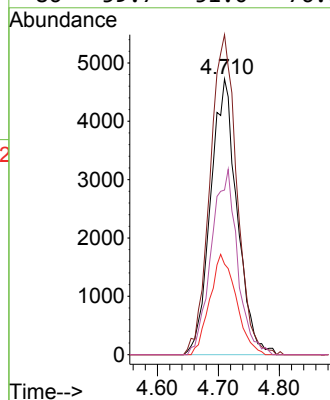
Ion Ratio Lower Upper

84 100

49 116.1 106.9 160.3

51 32.8 33.2 49.8#

86 59.7 51.0 76.6



#25

2-Butanone

Concen: 2.885 ug/l

RT: 7.014 min Scan# 852

Delta R.T. 0.012 min

Lab File: VY015955.D

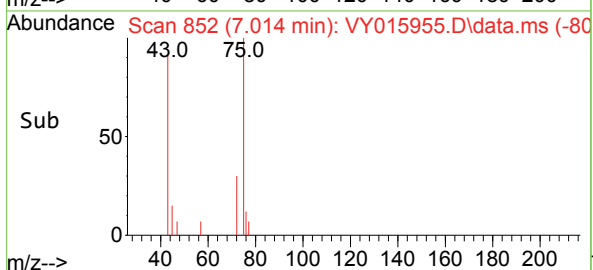
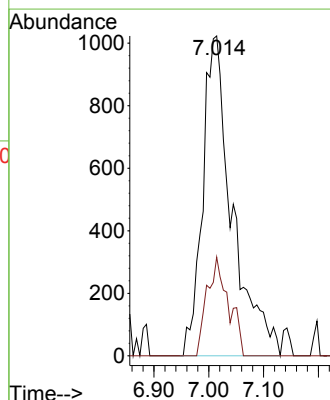
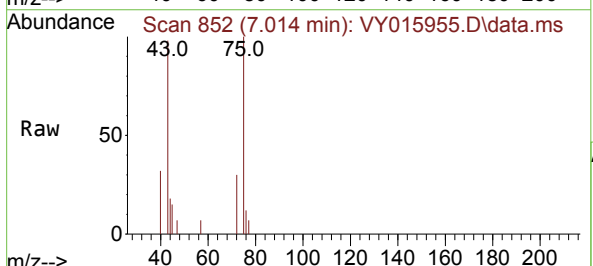
Acq: 13 Oct 2023 14:21

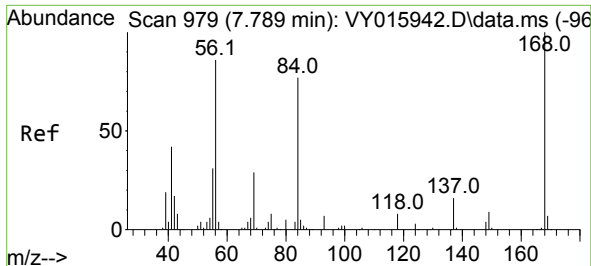
Tgt Ion: 43 Resp: 3843

Ion Ratio Lower Upper

43 100

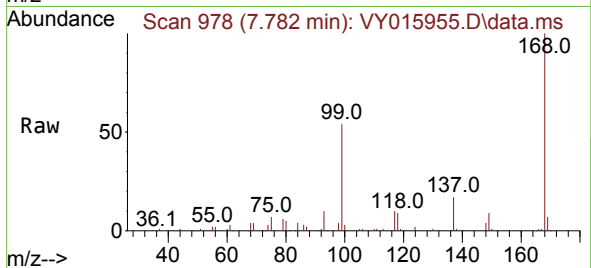
72 30.9 20.5 30.7#



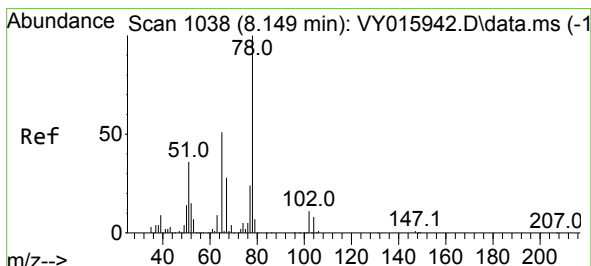
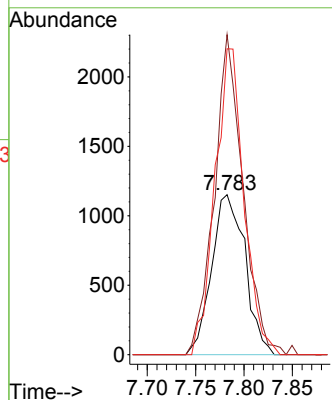
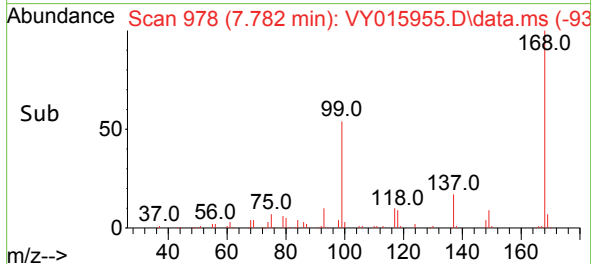


#31
Cyclohexane
Concen: 1.103 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015955.D
Acq: 13 Oct 2023 14:21

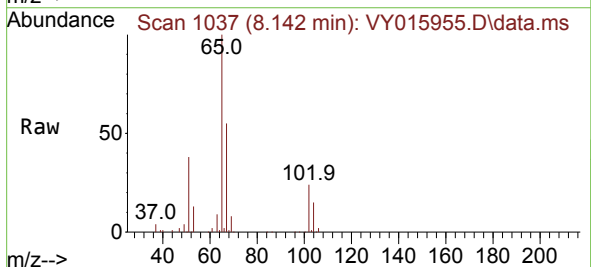
Instrument :
MSVOA_Y
ClientSampleId :



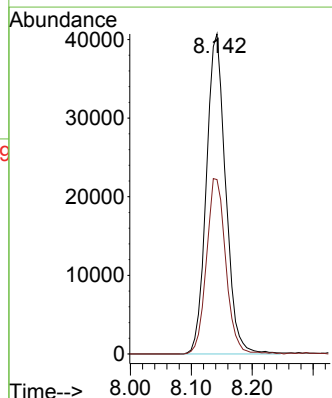
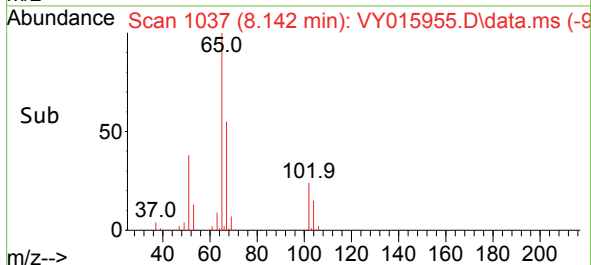
Tgt Ion: 56 Resp: 2767
Ion Ratio Lower Upper
56 100
69 200.0 27.8 41.6#
84 191.2 66.4 99.6#

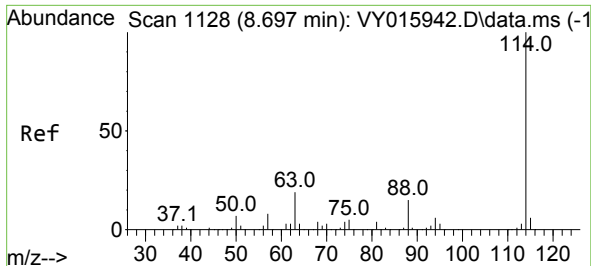


#33
1,2-Dichloroethane-d4
Concen: 56.875 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY015955.D
Acq: 13 Oct 2023 14:21



Tgt Ion: 65 Resp: 89605
Ion Ratio Lower Upper
65 100
67 55.0 0.0 101.8

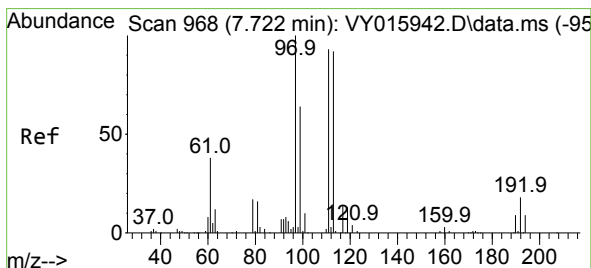
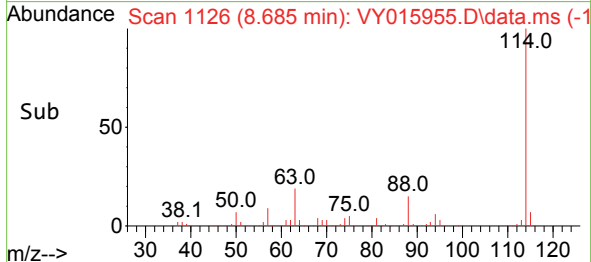
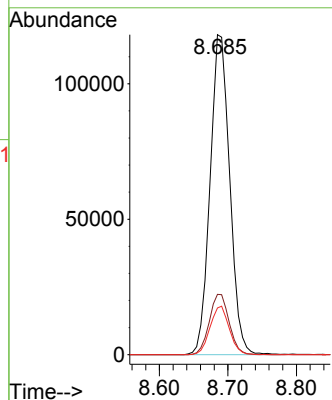
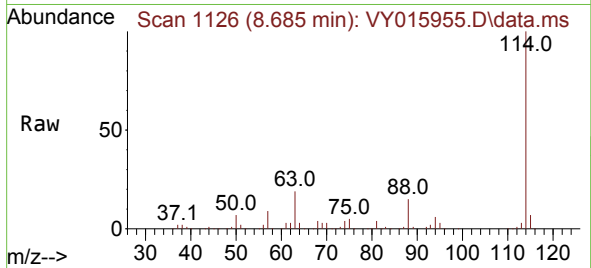




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.012 min
Lab File: VY015955.D
Acq: 13 Oct 2023 14:21

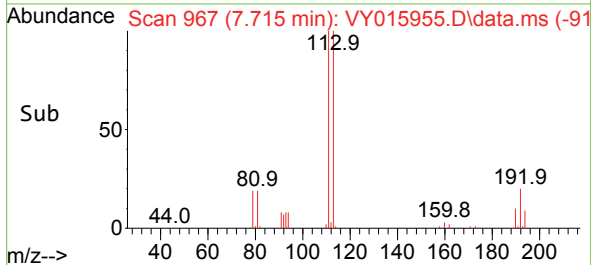
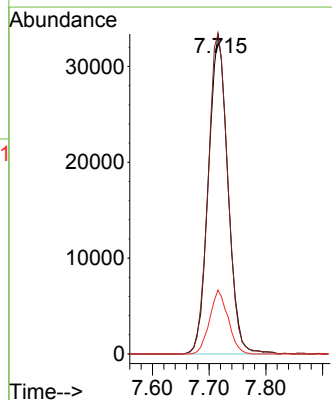
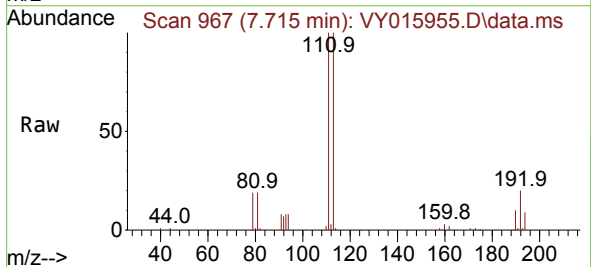
Instrument :
MSVOA_Y
ClientSampleId :

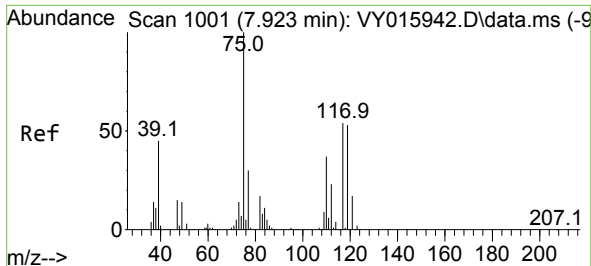
Tgt Ion:114 Resp: 235367
Ion Ratio Lower Upper
114 100
63 18.9 0.0 42.4
88 14.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 53.612 ug/l
RT: 7.715 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY015955.D
Acq: 13 Oct 2023 14:21

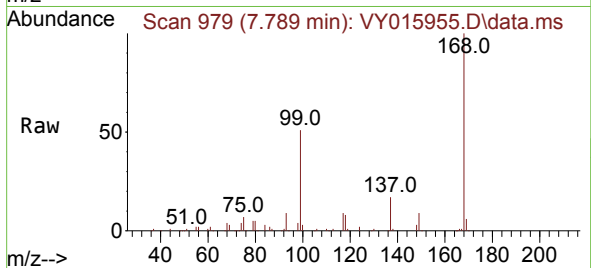
Tgt Ion:113 Resp: 79441
Ion Ratio Lower Upper
113 100
111 101.4 81.3 121.9
192 19.0 16.9 25.3



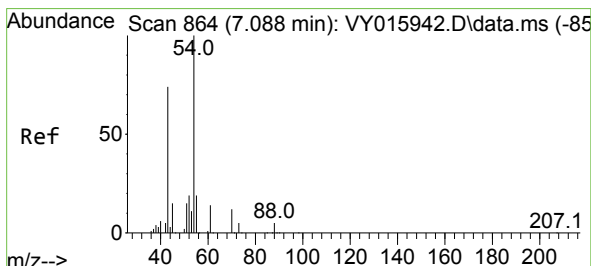
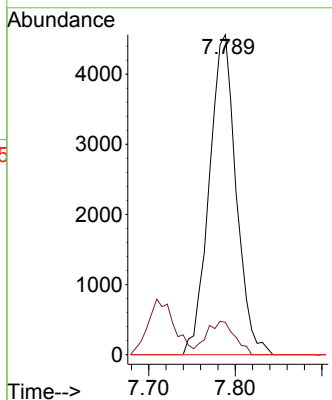
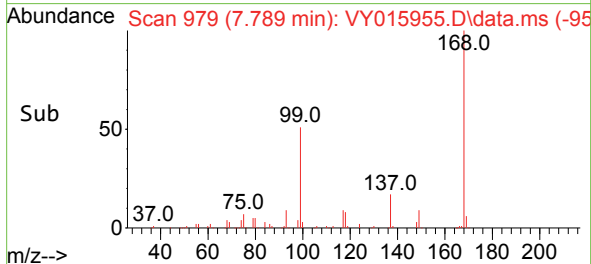


#36
 1,1-Dichloropropene
 Concen: 4.419 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY015955.D
 Acq: 13 Oct 2023 14:21

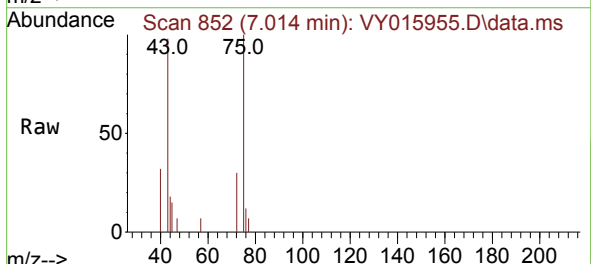
Instrument :
 MSVOA_Y
 ClientSampleId :



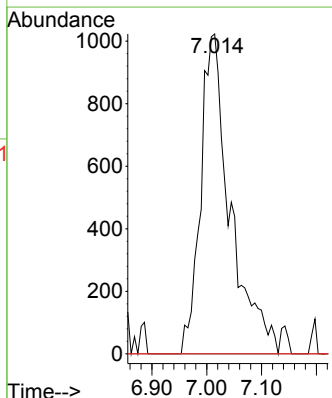
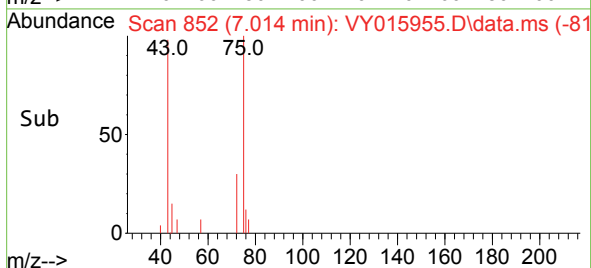
Tgt Ion: 75 Resp: 9881
 Ion Ratio Lower Upper
 75 100
 110 10.8 17.8 53.5#
 77 0.0 24.4 36.6#

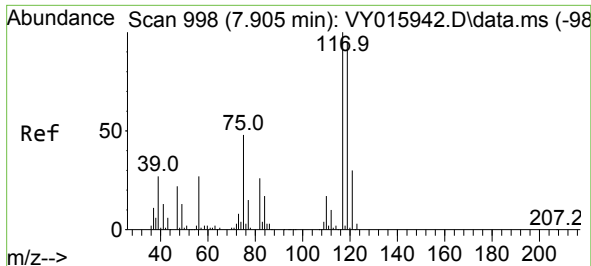


#37
 Ethyl Acetate
 Concen: 1.114 ug/l
 RT: 7.014 min Scan# 852
 Delta R.T. -0.074 min
 Lab File: VY015955.D
 Acq: 13 Oct 2023 14:21



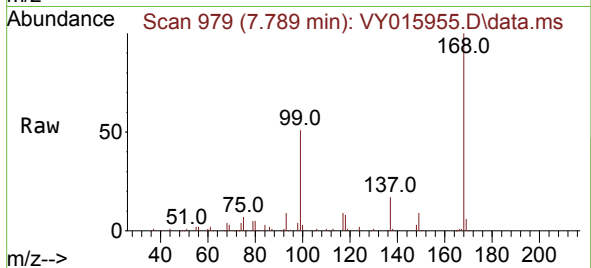
Tgt Ion: 43 Resp: 3843
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.1 15.1#
 70 0.0 7.1 10.7#



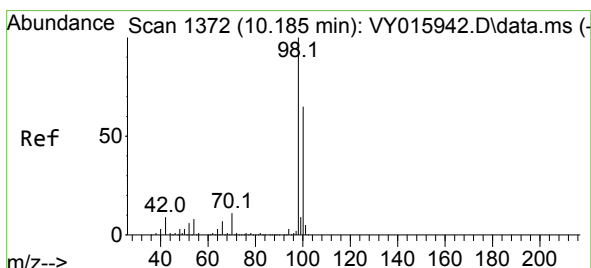
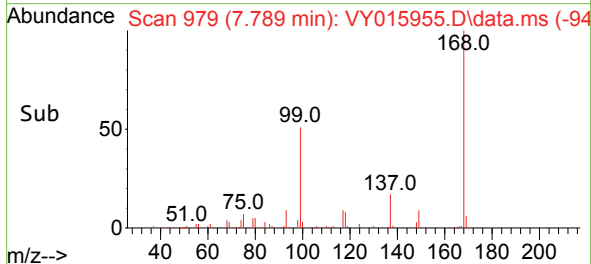
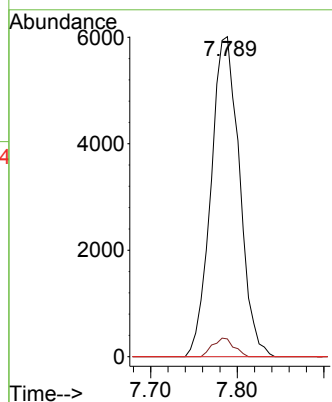


#38
Carbon Tetrachloride
Concen: 5.835 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015955.D
Acq: 13 Oct 2023 14:21

Instrument :
MSVOA_Y
ClientSampleId :

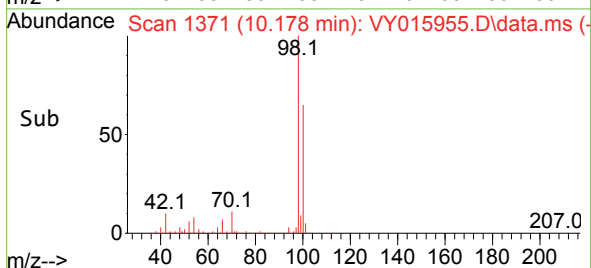
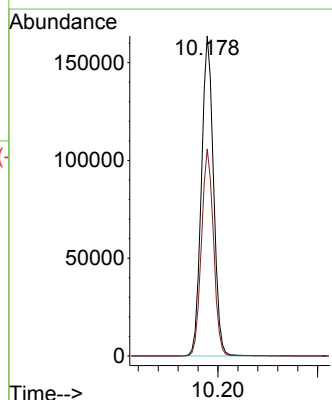
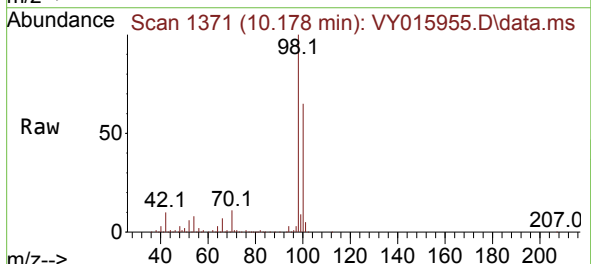


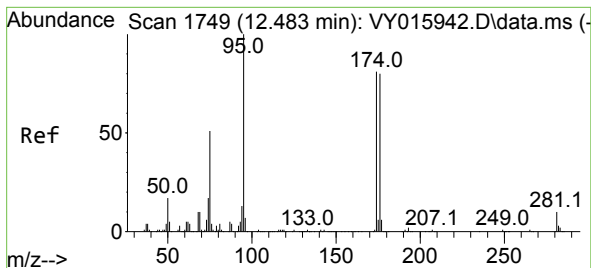
Tgt Ion:117 Resp: 13739
Ion Ratio Lower Upper
117 100
119 5.5 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.532 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY015955.D
Acq: 13 Oct 2023 14:21

Tgt Ion: 98 Resp: 274860
Ion Ratio Lower Upper
98 100
100 64.4 50.1 75.1

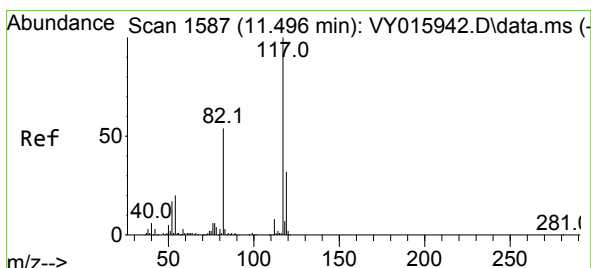
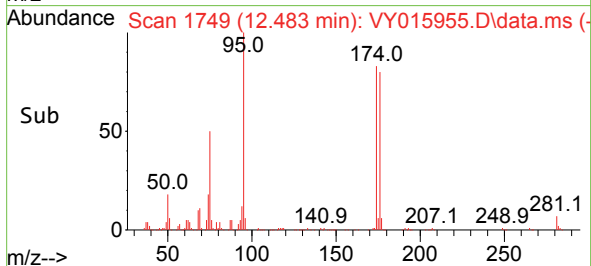
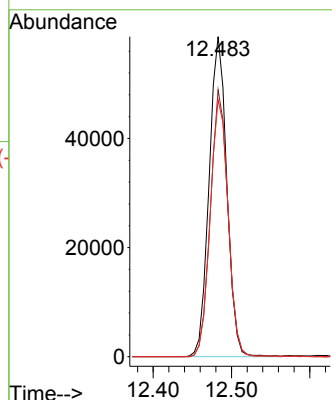
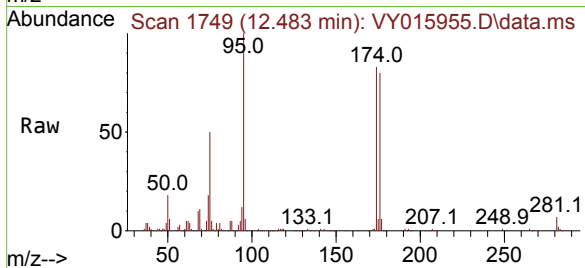




#62
4-Bromofluorobenzene
Concen: 46.570 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015955.D
Acq: 13 Oct 2023 14:21

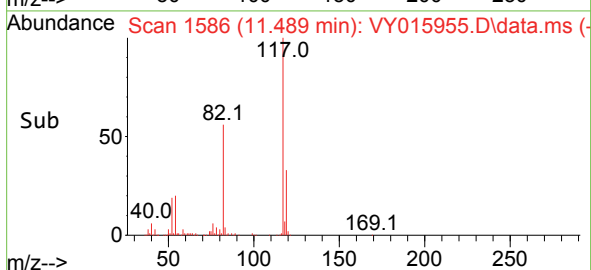
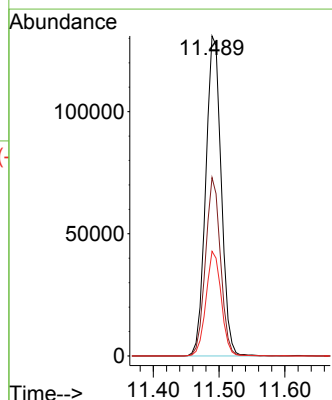
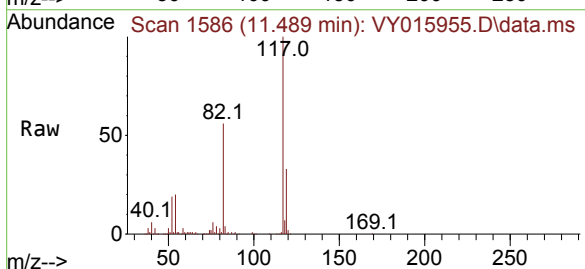
Instrument :
MSVOA_Y
ClientSampleId :

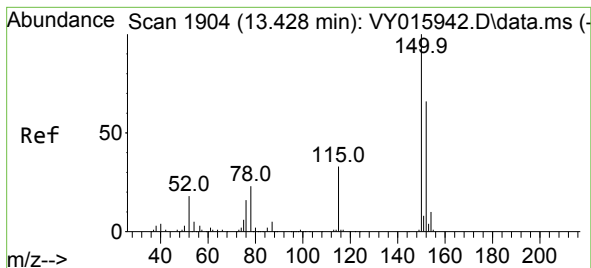
Tgt Ion: 95 Resp: 92020
Ion Ratio Lower Upper
95 100
174 82.4 0.0 178.2
176 81.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY015955.D
Acq: 13 Oct 2023 14:21

Tgt Ion: 117 Resp: 214796
Ion Ratio Lower Upper
117 100
82 55.7 43.4 65.0
119 32.7 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

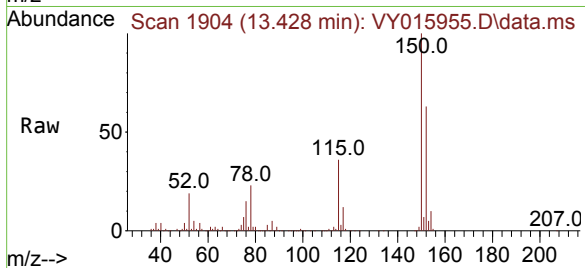
Lab File: VY015955.D

Acq: 13 Oct 2023 14:21

Instrument :

MSVOA_Y

ClientSampleId :



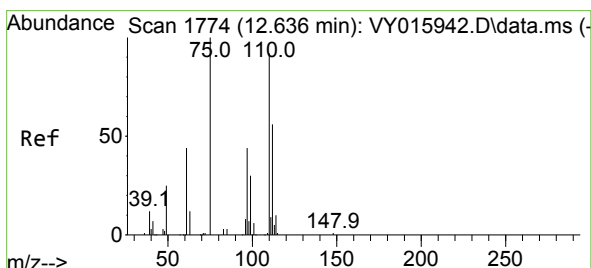
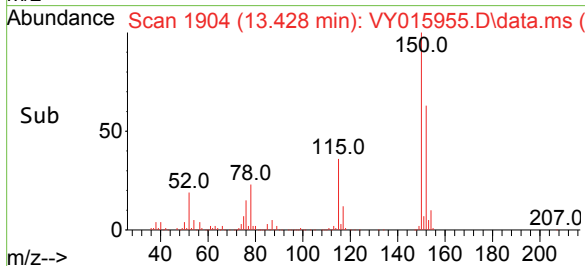
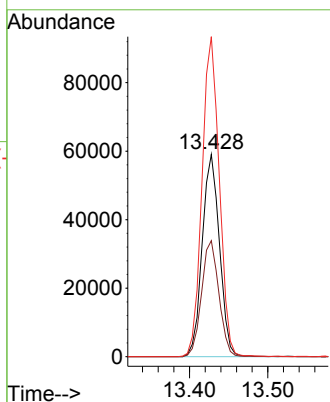
Tgt Ion:152 Resp: 90230

Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 158.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 26.131 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY015955.D

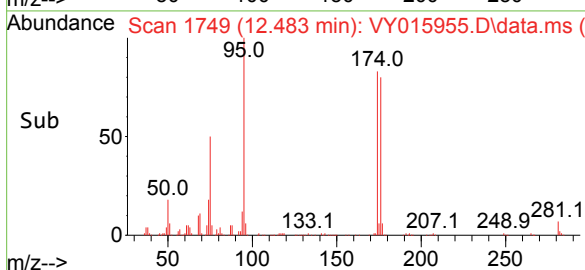
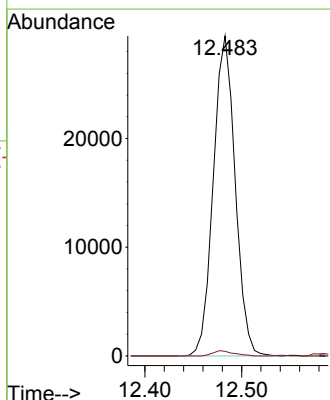
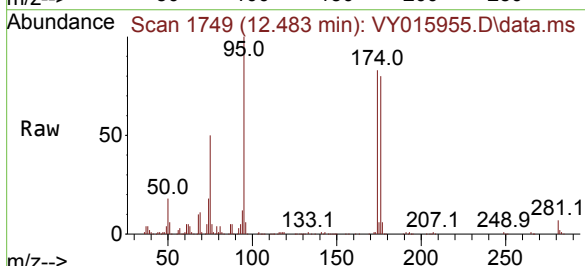
Acq: 13 Oct 2023 14:21

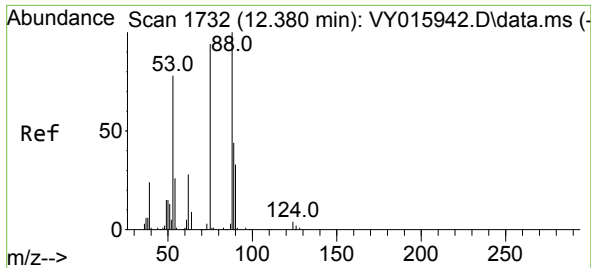
Tgt Ion: 75 Resp: 46142

Ion Ratio Lower Upper

75 100

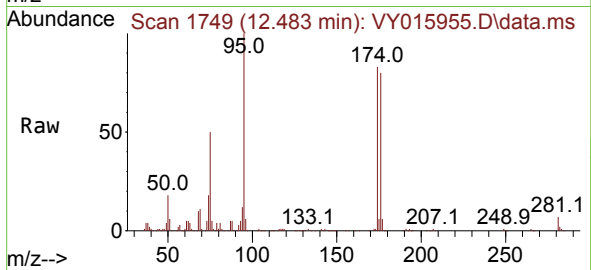
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.556 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY015955.D
 Acq: 13 Oct 2023 14:21

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	77.8	116.8#
89	0.2	37.4	56.0#

