

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015256.D
 Acq On : 22 Aug 2023 19:48
 Operator : SY/MD
 Sample : 04109-04
 Misc : 6.94g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-02(6-7)

Quant Time: Aug 23 02:47:00 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)

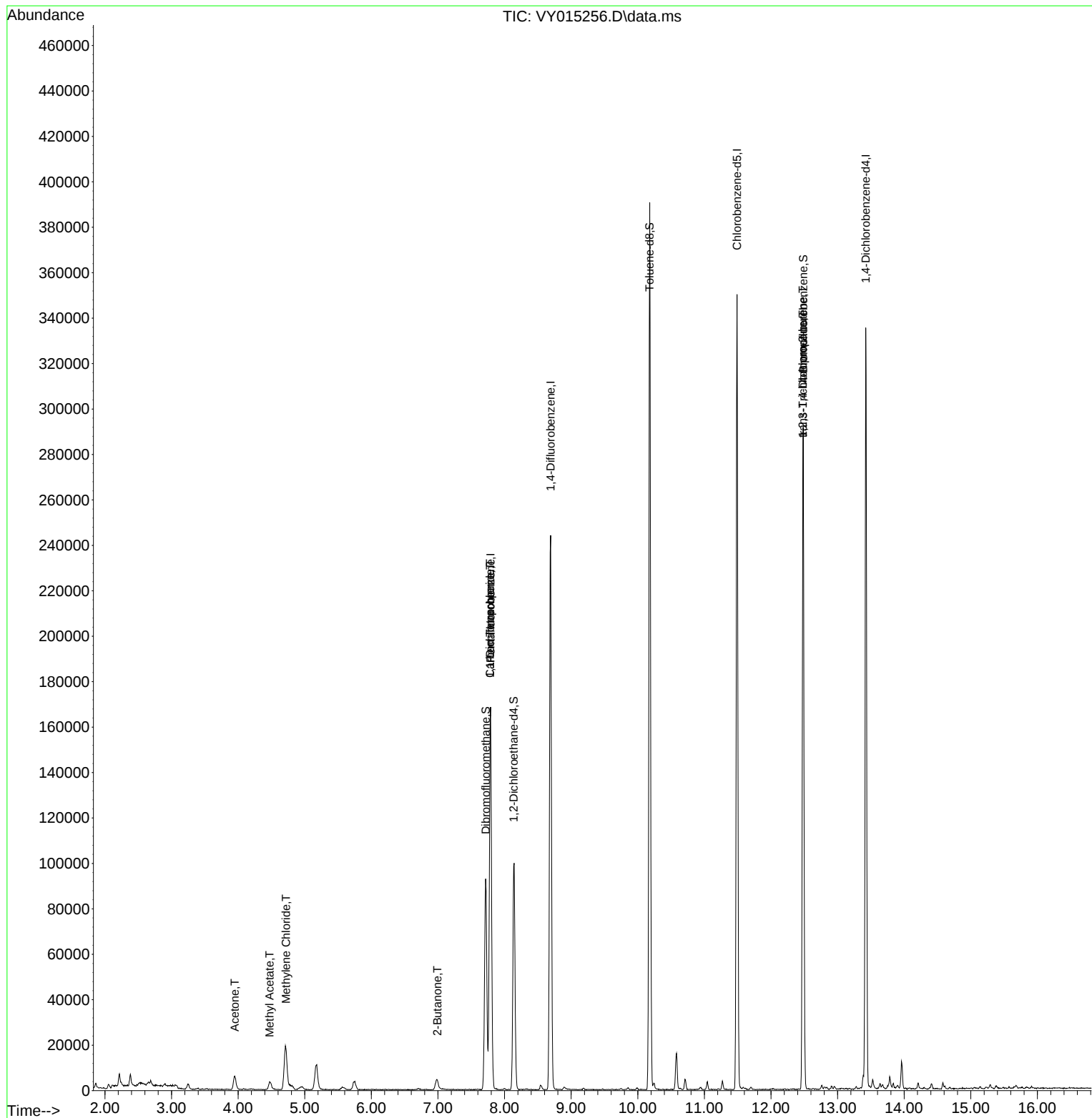
Internal Standards						
1) Pentafluorobenzene	7.789	168	130081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	212026	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	188564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	84198	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	78192	50.075	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.140%	
35) Dibromofluoromethane	7.716	113	64739	47.461	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.920%	
50) Toluene-d8	10.179	98	248003	48.841	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.680%	
62) 4-Bromofluorobenzene	12.483	95	79426	42.826	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.101	50	612	Below Cal		89
5) Bromomethane	2.650	94	758	Below Cal	#	70
11) Tert butyl alcohol	4.960	59	2725	Below Cal		99
13) Acrolein	3.741	56	27	Below Cal	#	14
16) Acetone	3.948	43	10703	20.981	ug/l #	87
18) Methyl Acetate	4.473	43	6705	3.587	ug/l #	89
20) Methylene Chloride	4.716	84	14216	7.993	ug/l	88
25) 2-Butanone	6.990	43	2683	3.715	ug/l #	87
31) Cyclohexane	7.789	56	3080	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	10341	6.853	ug/l #	50
38) Carbon Tetrachloride	7.783	117	13064	7.315	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	42837	41.876	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	42837	91.980	ug/l #	11

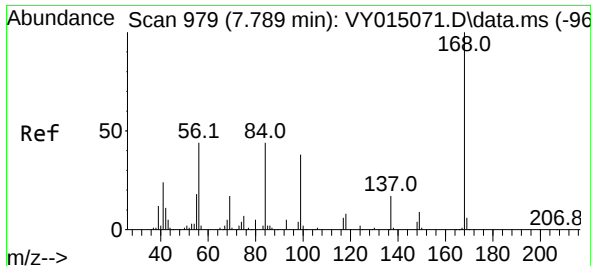
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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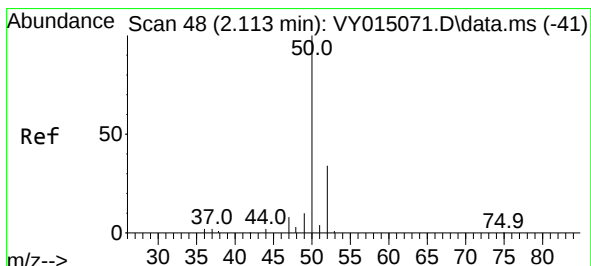
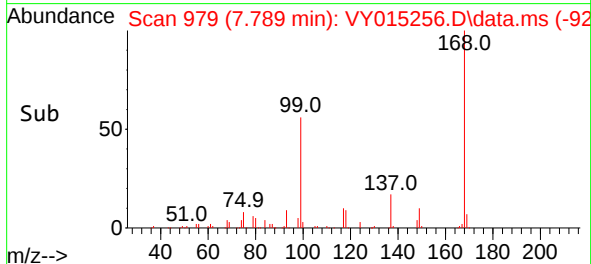
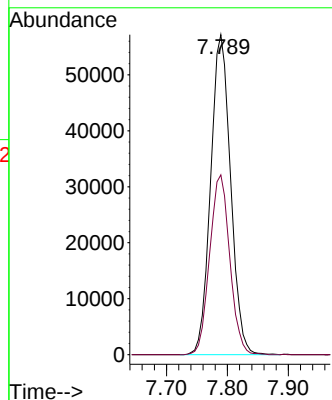
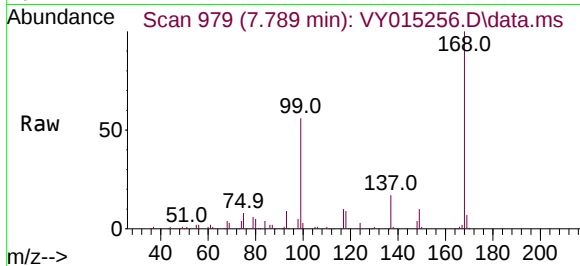




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015256.D
Acq: 22 Aug 2023 19:48

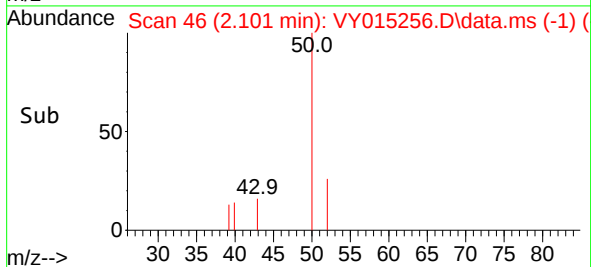
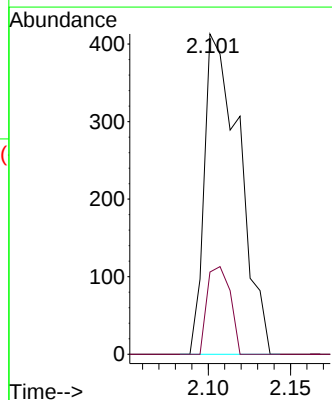
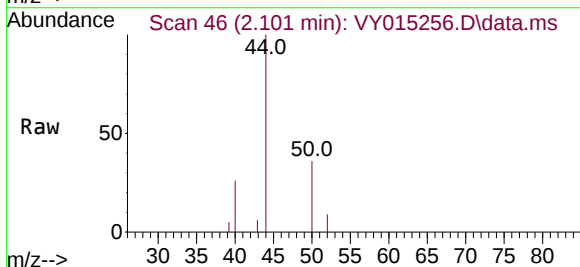
Instrument :
MSVOA_Y
ClientSampleId :
TP-02(6-7)

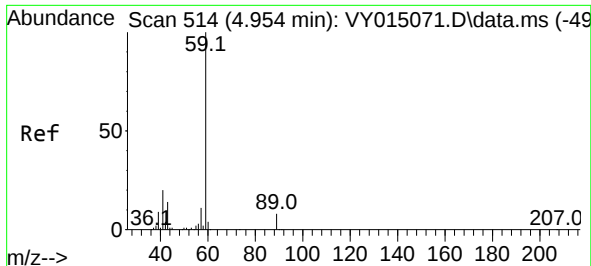
Tgt Ion:168 Resp: 130081
Ion Ratio Lower Upper
168 100
99 56.2 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.101 min Scan# 46
Delta R.T. -0.006 min
Lab File: VY015256.D
Acq: 22 Aug 2023 19:48

Tgt Ion: 50 Resp: 612
Ion Ratio Lower Upper
50 100
52 25.7 25.4 38.2

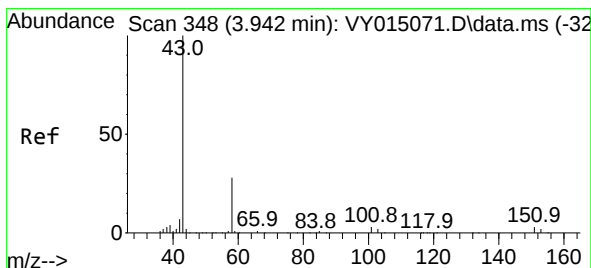
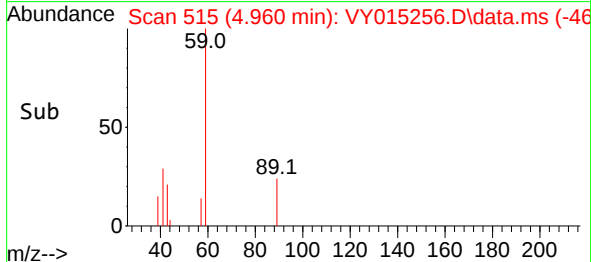
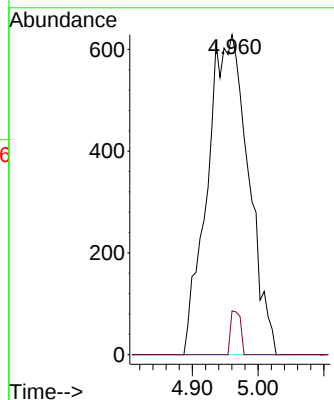
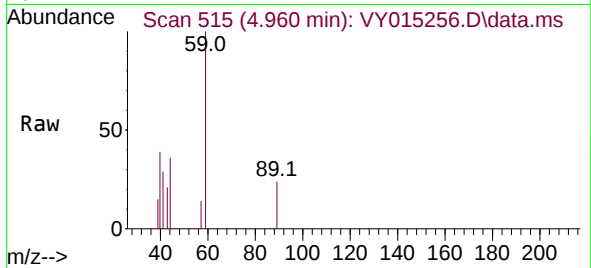




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 514
Delta R.T. 0.012 min
Lab File: VY015256.D
Acq: 22 Aug 2023 19:48

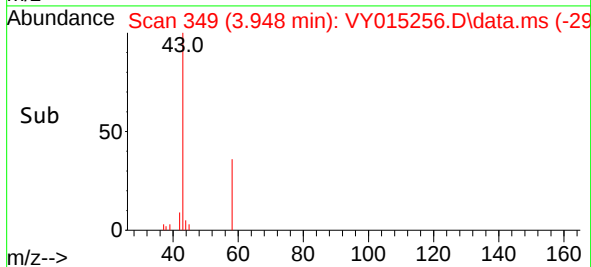
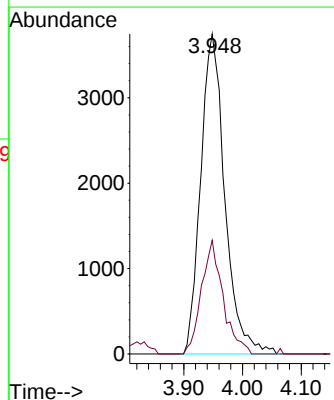
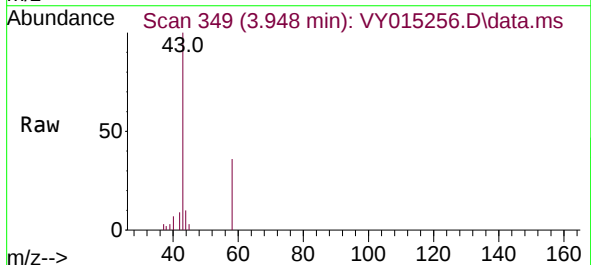
Instrument :
MSVOA_Y
ClientSampleId :
TP-02(6-7)

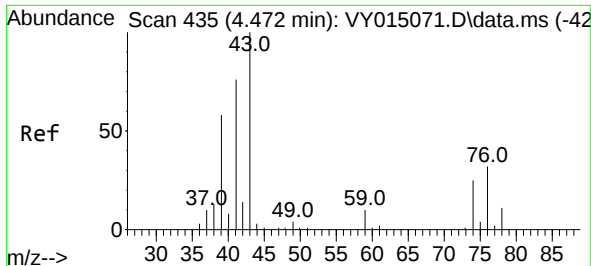
Tgt Ion: 59 Resp: 2725
Ion Ratio Lower Upper
59 100
57 3.3 3.0 4.4



#16
Acetone
Concen: 20.981 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015256.D
Acq: 22 Aug 2023 19:48

Tgt Ion: 43 Resp: 10703
Ion Ratio Lower Upper
43 100
58 35.5 22.7 34.1#





#18

Methyl Acetate

Concen: 3.587 ug/l

RT: 4.473 min Scan# 41

Delta R.T. 0.007 min

Lab File: VY015256.D

Acq: 22 Aug 2023 19:48

Instrument :

MSVOA_Y

ClientSampleId :

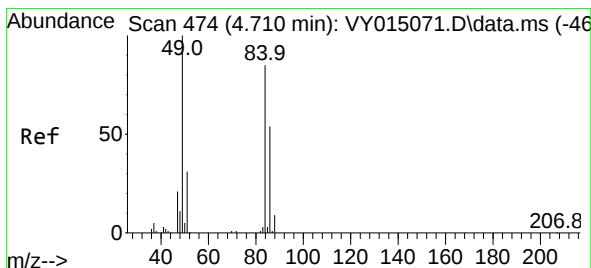
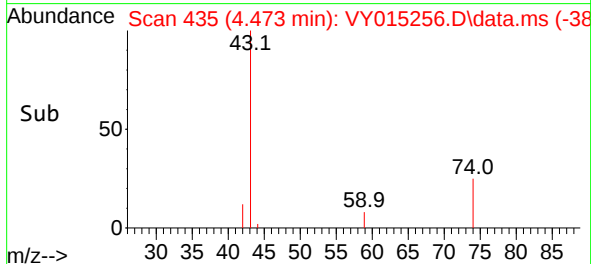
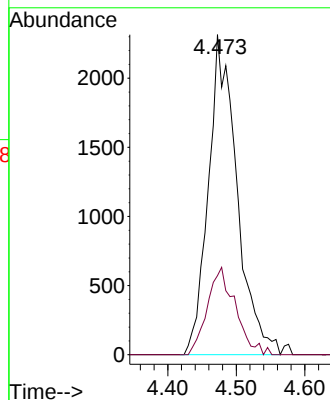
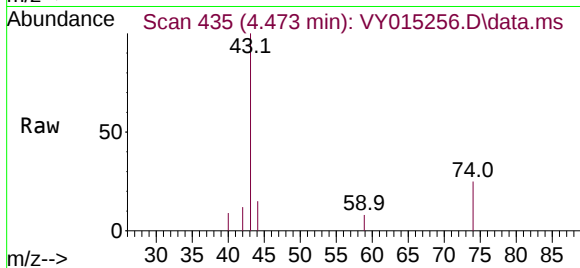
TP-02(6-7)

Tgt Ion: 43 Resp: 6705

Ion Ratio Lower Upper

43 100

74 26.8 17.4 26.0#



#20

Methylene Chloride

Concen: 7.993 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY015256.D

Acq: 22 Aug 2023 19:48

Tgt Ion: 84 Resp: 14216

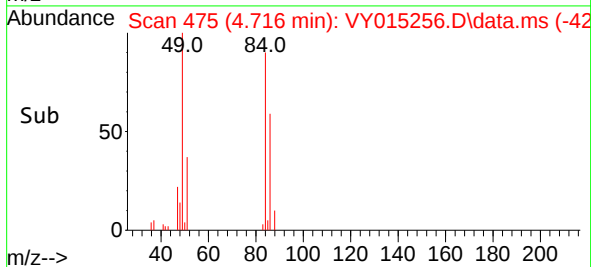
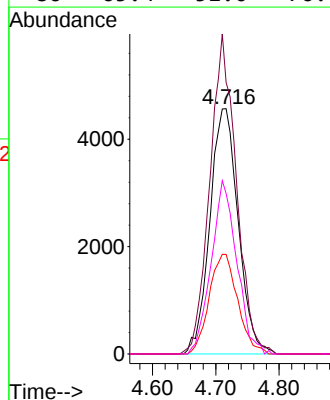
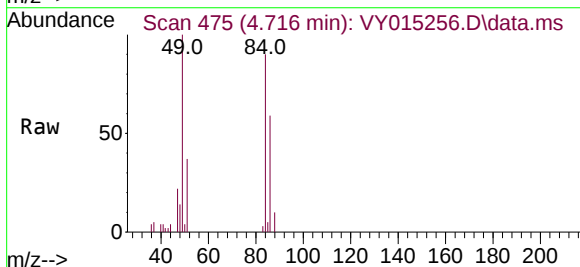
Ion Ratio Lower Upper

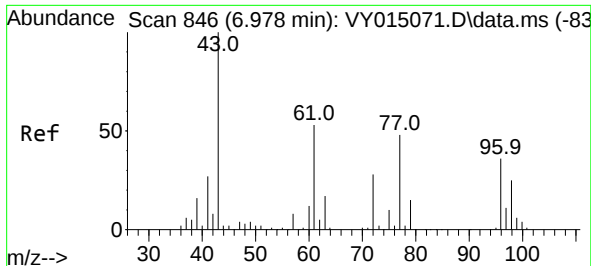
84 100

49 110.7 106.9 160.3

51 40.6 33.2 49.8

86 65.4 51.0 76.6





#25

2-Butanone

Concen: 3.715 ug/l

RT: 6.990 min Scan# 846

Delta R.T. 0.012 min

Lab File: VY015256.D

Acq: 22 Aug 2023 19:48

Instrument :

MSVOA_Y

ClientSampleId :

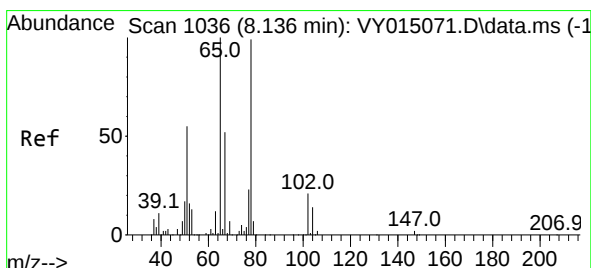
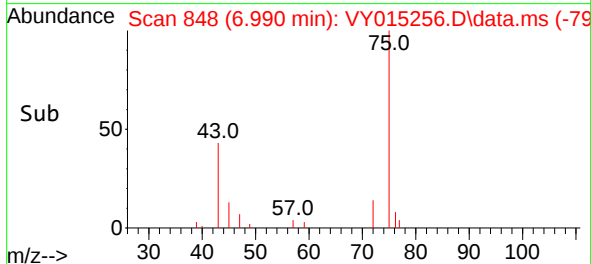
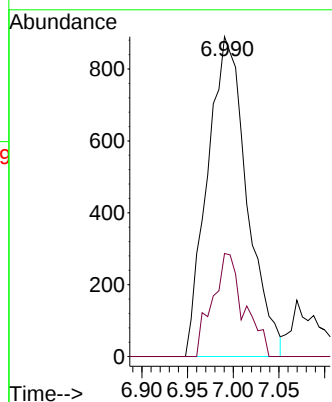
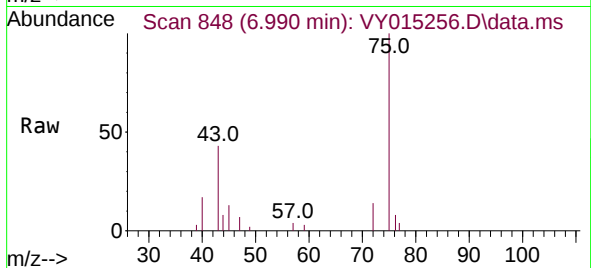
TP-02(6-7)

Tgt Ion: 43 Resp: 2683

Ion Ratio Lower Upper

43 100

72 32.2 20.5 30.7#



#33

1,2-Dichloroethane-d4

Concen: 50.075 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015256.D

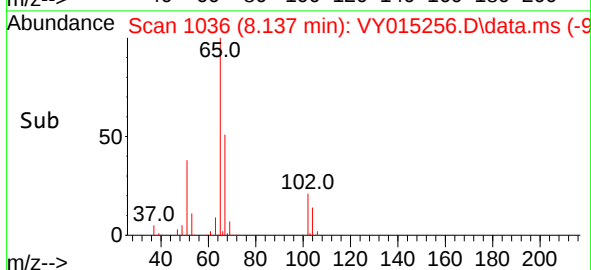
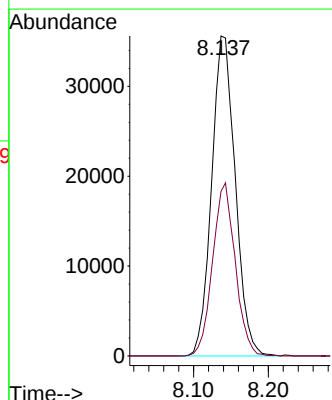
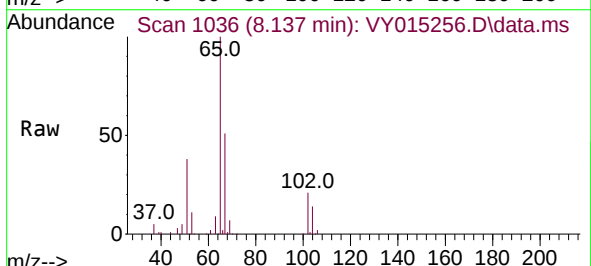
Acq: 22 Aug 2023 19:48

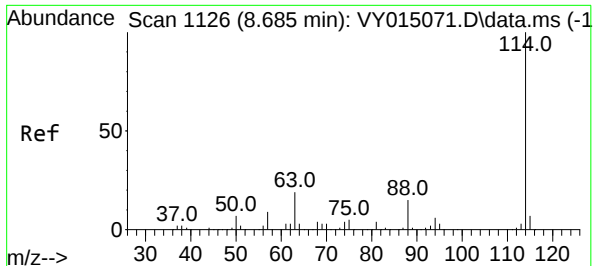
Tgt Ion: 65 Resp: 78192

Ion Ratio Lower Upper

65 100

67 51.8 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: VY015256.D

Acq: 22 Aug 2023 19:48

Instrument :

MSVOA_Y

ClientSampleId :

TP-02(6-7)

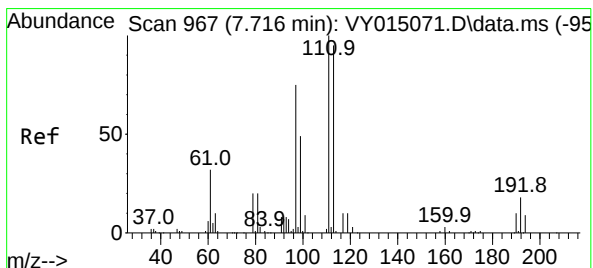
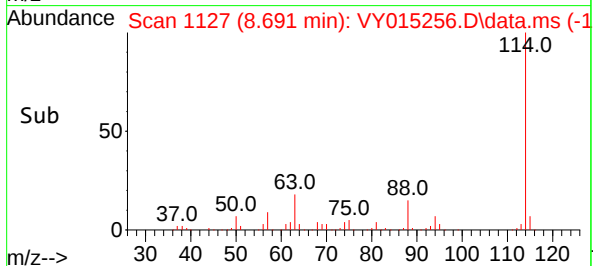
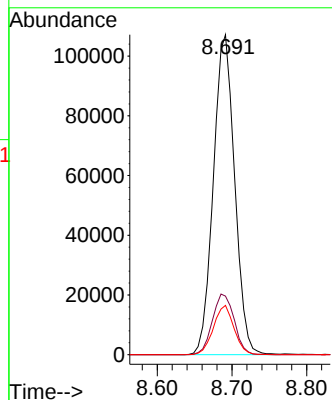
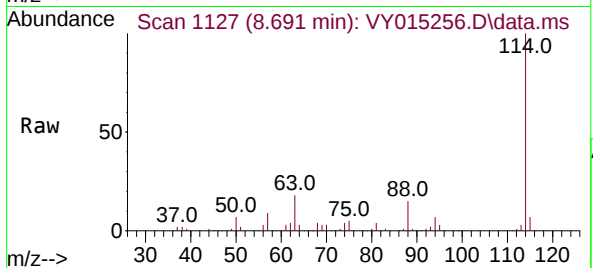
Tgt Ion:114 Resp: 212026

Ion Ratio Lower Upper

114 100

63 18.3 0.0 42.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.461 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015256.D

Acq: 22 Aug 2023 19:48

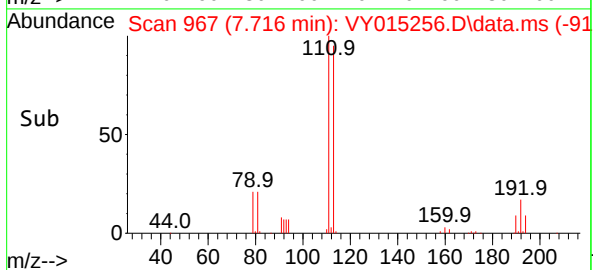
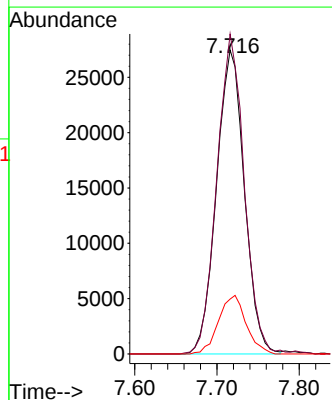
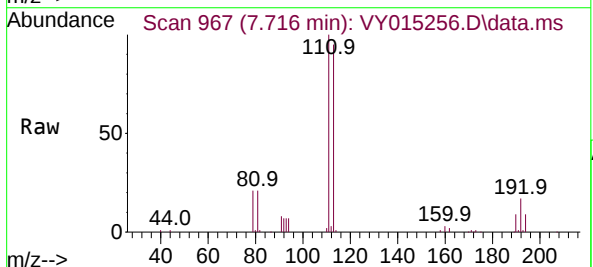
Tgt Ion:113 Resp: 64739

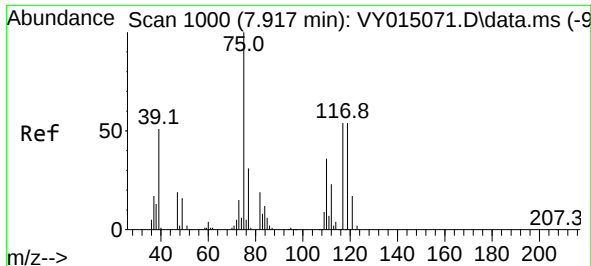
Ion Ratio Lower Upper

113 100

111 103.4 81.3 121.9

192 19.1 16.9 25.3

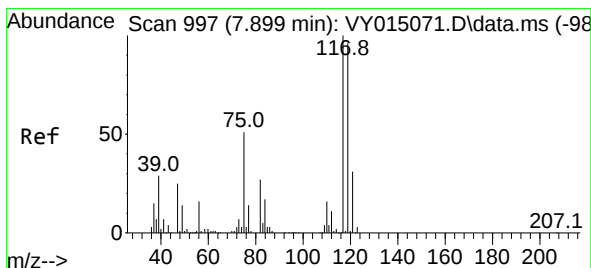
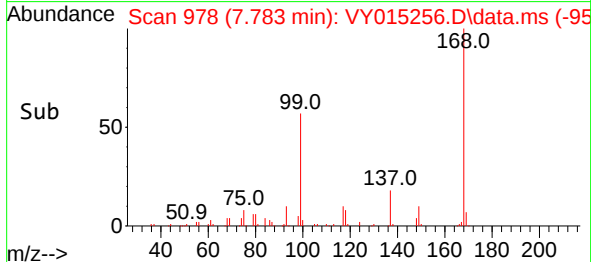
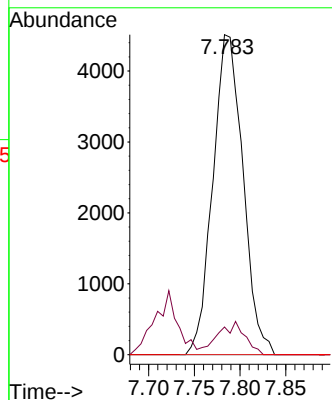
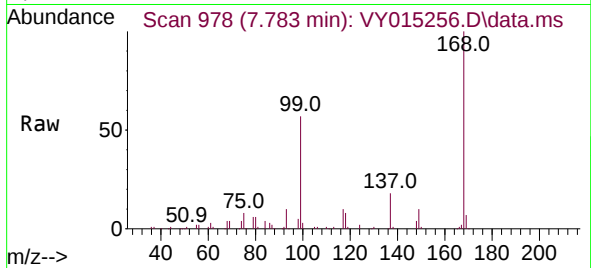




#36
1,1-Dichloropropene
Concen: 6.853 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY015256.D
Acq: 22 Aug 2023 19:48

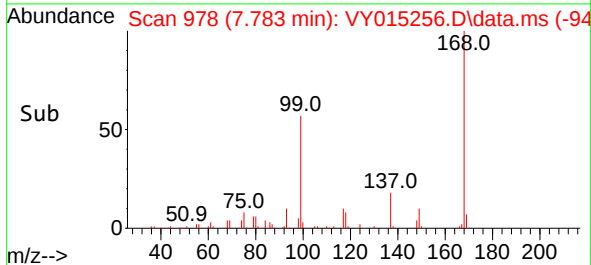
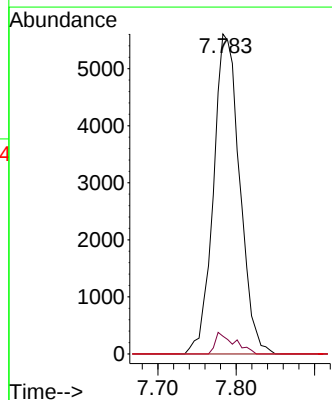
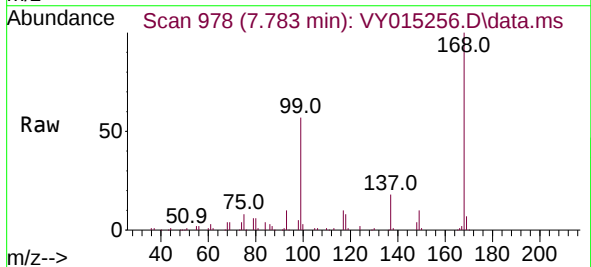
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TP-02(6-7)

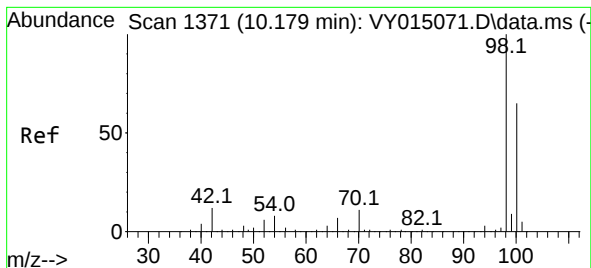
Tgt Ion: 75 Resp: 10341
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.315 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY015256.D
Acq: 22 Aug 2023 19:48

Tgt Ion: 117 Resp: 13064
Ion Ratio Lower Upper
117 100
119 5.5 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 48.841 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015256.D

Acq: 22 Aug 2023 19:48

Instrument :

MSVOA_Y

ClientSampleId :

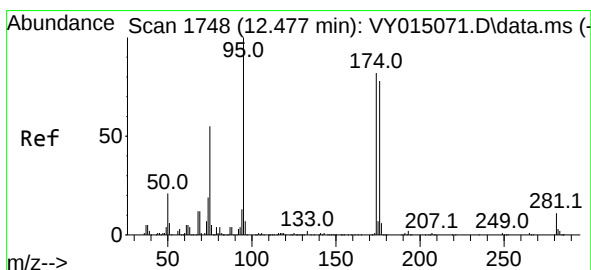
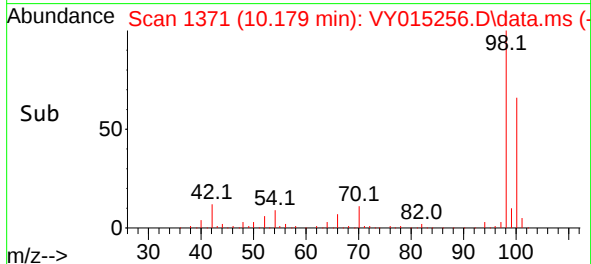
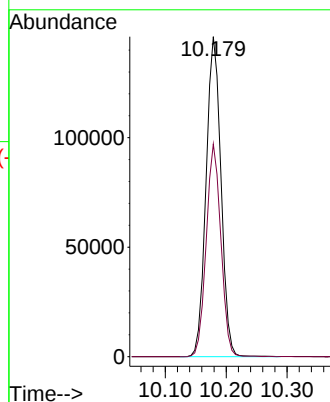
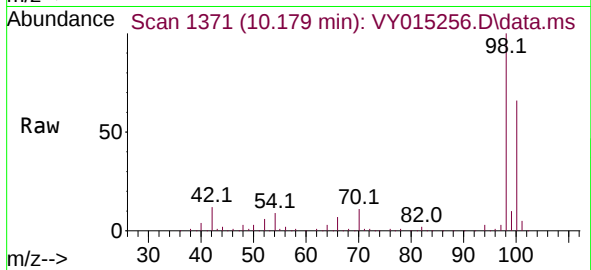
TP-02(6-7)

Tgt Ion: 98 Resp: 248003

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 42.826 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015256.D

Acq: 22 Aug 2023 19:48

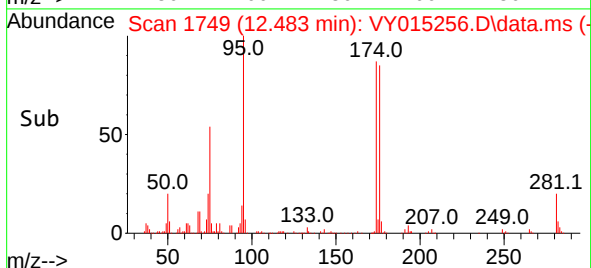
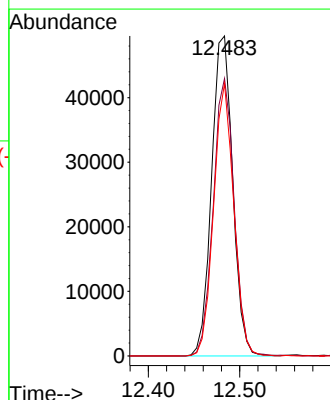
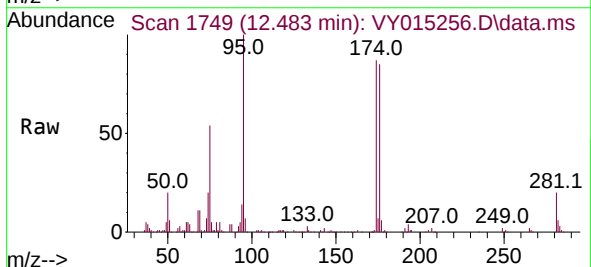
Tgt Ion: 95 Resp: 79426

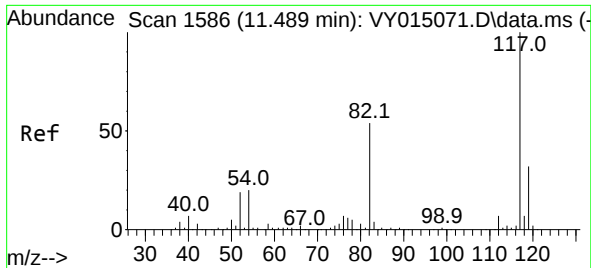
Ion Ratio Lower Upper

95 100

174 86.1 0.0 178.2

176 81.2 0.0 173.8

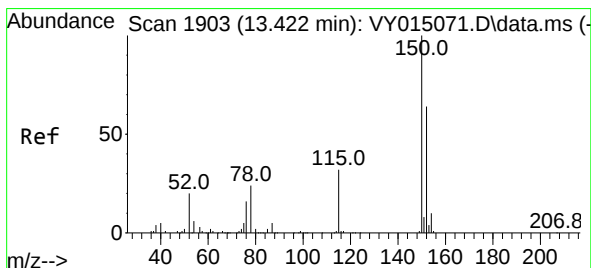
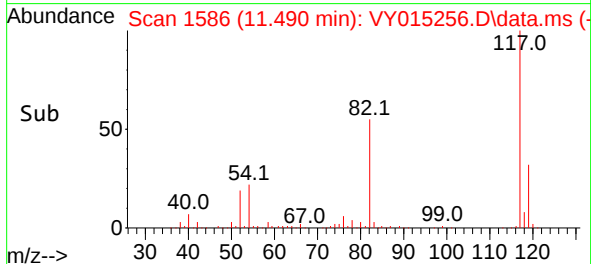
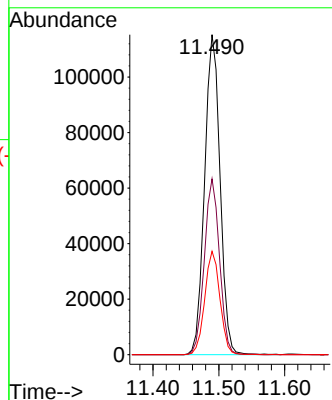
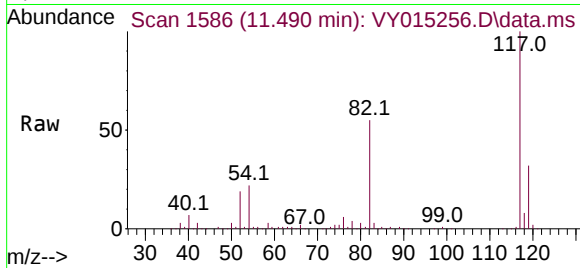




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015256.D
Acq: 22 Aug 2023 19:48

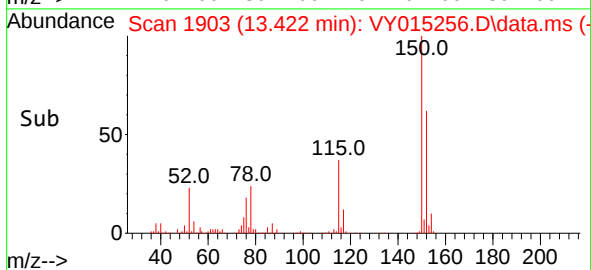
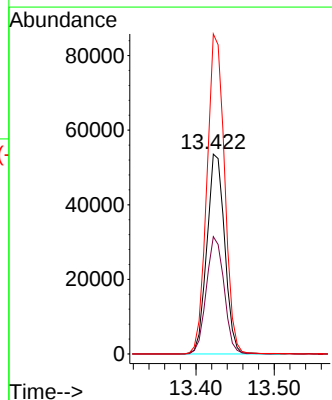
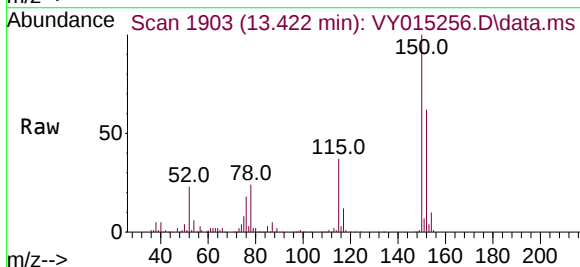
Instrument :
MSVOA_Y
ClientSampleId :
TP-02(6-7)

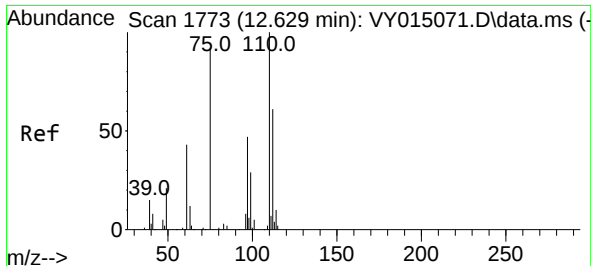
Tgt Ion:117 Resp: 188564
Ion Ratio Lower Upper
117 100
82 55.0 43.4 65.0
119 32.3 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015256.D
Acq: 22 Aug 2023 19:48

Tgt Ion:152 Resp: 84198
Ion Ratio Lower Upper
152 100
115 58.6 28.8 86.5
150 159.4 0.0 348.8

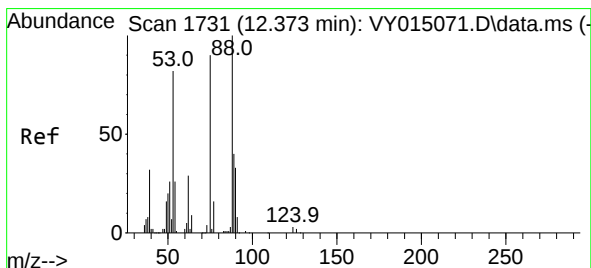
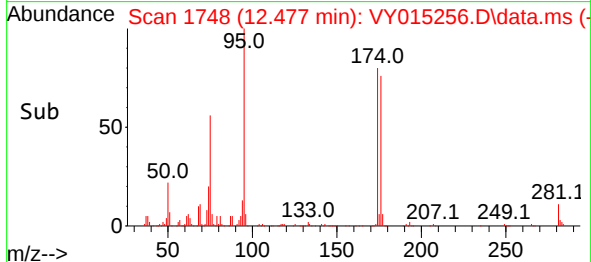
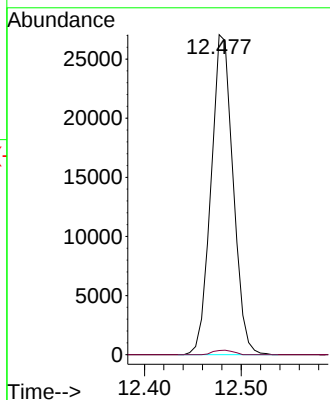
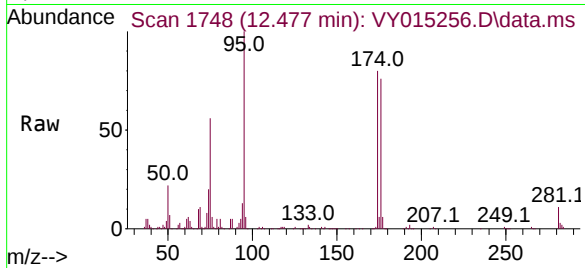




#76
1,2,3-Trichloropropane
Concen: 41.876 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015256.D
Acq: 22 Aug 2023 19:48

Instrument :
MSVOA_Y
ClientSampleId :
TP-02(6-7)

Tgt Ion: 75 Resp: 42837
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.980 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015256.D
Acq: 22 Aug 2023 19:48

Tgt Ion: 75 Resp: 42837
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#

