

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015258.D
 Acq On : 22 Aug 2023 20:35
 Operator : SY/MD
 Sample : 04109-06
 Misc : 6.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-06(4-5)

Quant Time: Aug 23 02:47:34 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)

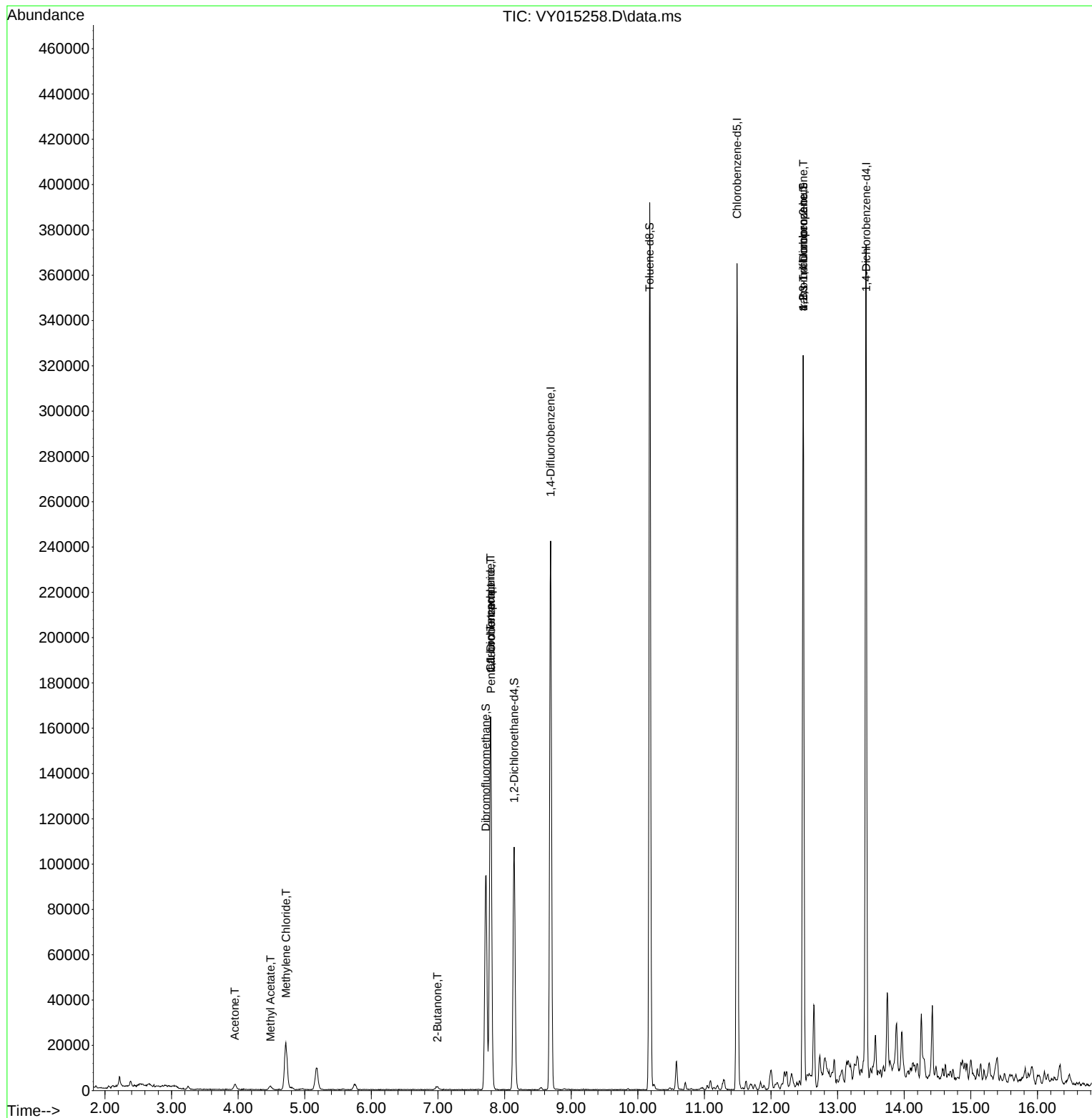
Internal Standards						
1) Pentafluorobenzene	7.795	168	127457	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	211206	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	190617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	94888	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	84944	55.519	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.040%
35) Dibromofluoromethane	7.715	113	66196	48.718	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.440%
50) Toluene-d8	10.178	98	250900	49.604	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.200%
62) 4-Bromofluorobenzene	12.483	95	84672	45.832	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.660%
Target Compounds						
						Qvalue
3) Chloromethane	2.107	50	350	Below Cal		89
5) Bromomethane	2.655	94	615	Below Cal	#	77
11) Tert butyl alcohol	4.954	59	448	Below Cal	#	89
13) Acrolein	3.722	56	20	Below Cal	#	14
16) Acetone	3.948	43	4484	8.971	ug/l	96
18) Methyl Acetate	4.484	43	3079	1.681	ug/l	98
20) Methylene Chloride	4.716	84	15564	9.487	ug/l	97
25) 2-Butanone	6.990	43	915	1.293	ug/l #	87
31) Cyclohexane	7.789	56	2824	Below Cal	#	28
36) 1,1-Dichloropropene	7.789	75	9792	6.514	ug/l #	51
38) Carbon Tetrachloride	7.789	117	13227	7.435	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	45840	39.763	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45840	87.340	ug/l #	11

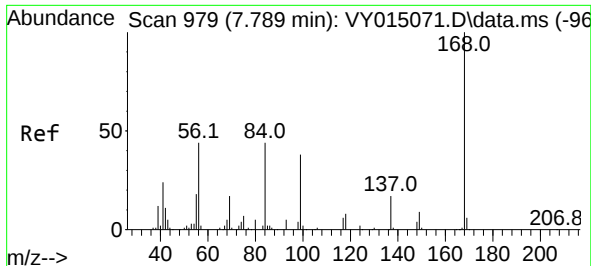
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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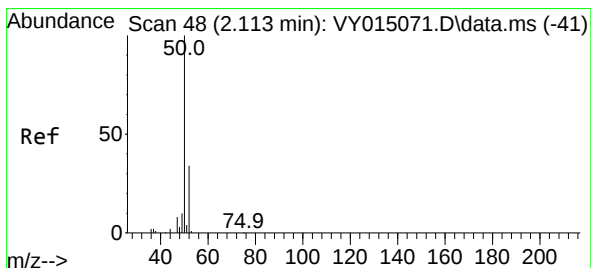
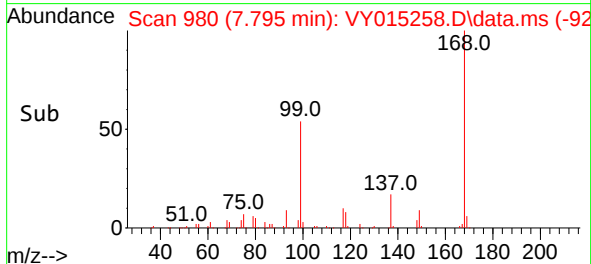
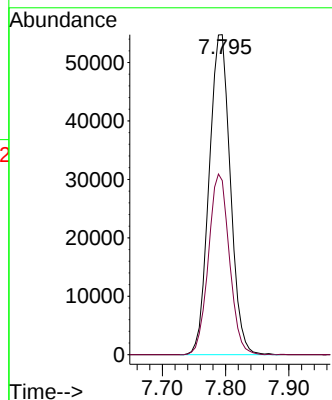
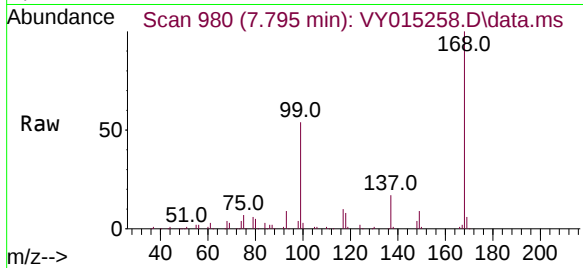




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015258.D
Acq: 22 Aug 2023 20:35

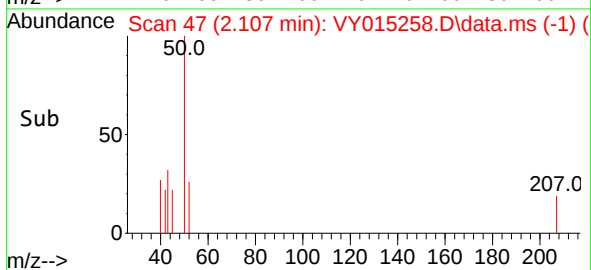
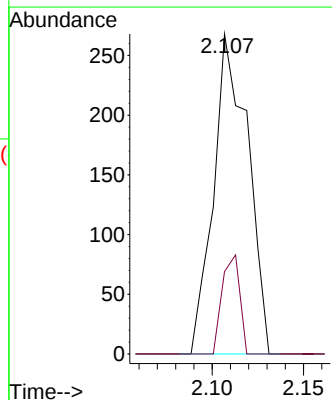
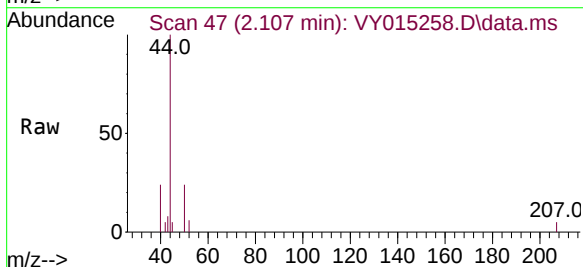
Instrument :
MSVOA_Y
ClientSampleId :
TP-06(4-5)

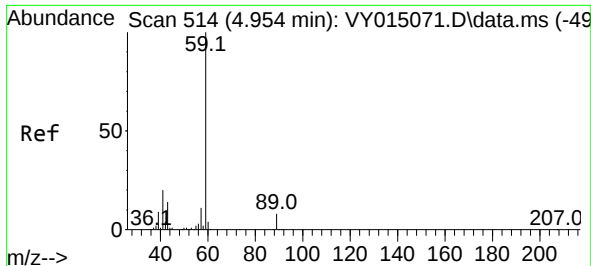
Tgt Ion:168 Resp: 127457
Ion Ratio Lower Upper
168 100
99 54.4 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.000 min
Lab File: VY015258.D
Acq: 22 Aug 2023 20:35

Tgt Ion: 50 Resp: 350
Ion Ratio Lower Upper
50 100
52 25.7 25.4 38.2

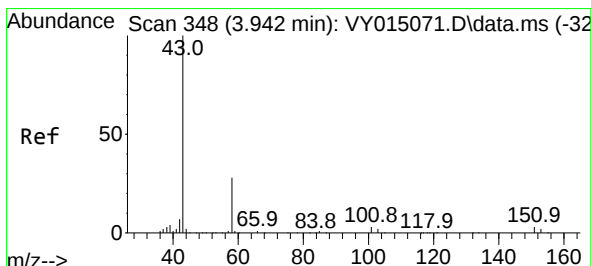
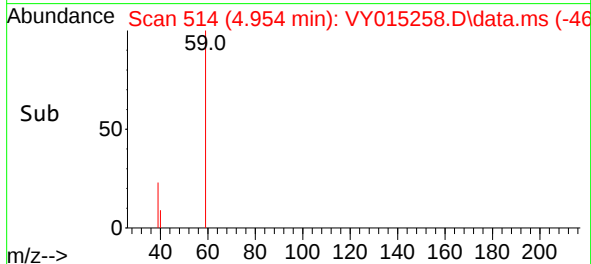
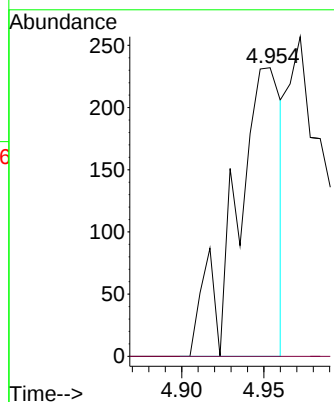
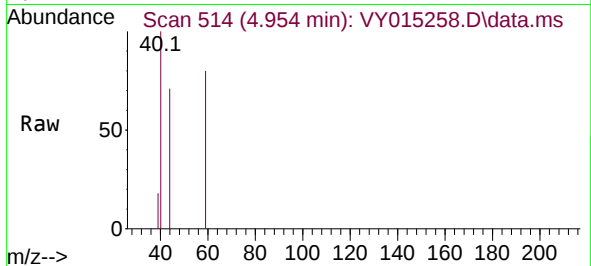




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY015258.D
Acq: 22 Aug 2023 20:35

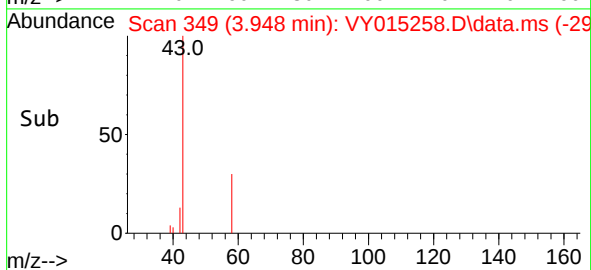
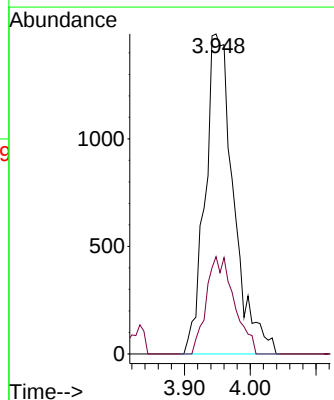
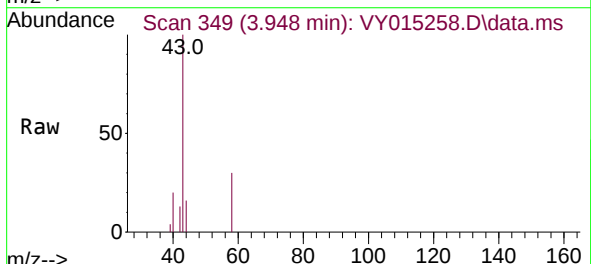
Instrument :
MSVOA_Y
ClientSampleId :
TP-06(4-5)

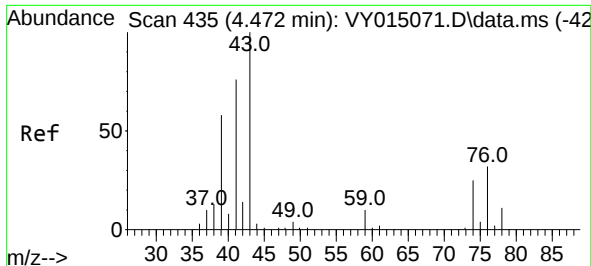
Tgt Ion: 59 Resp: 448
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 8.971 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015258.D
Acq: 22 Aug 2023 20:35

Tgt Ion: 43 Resp: 4484
Ion Ratio Lower Upper
43 100
58 30.4 22.7 34.1

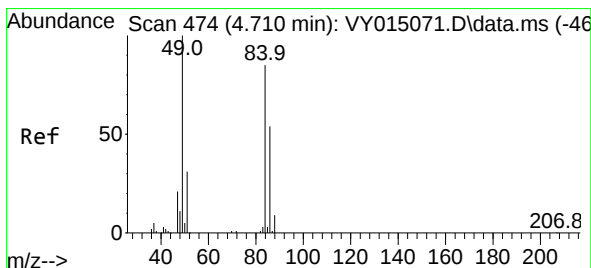
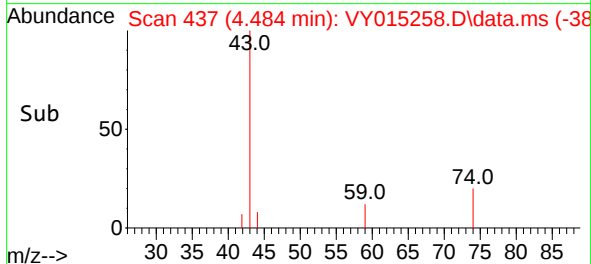
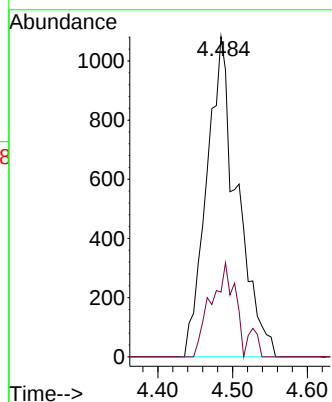
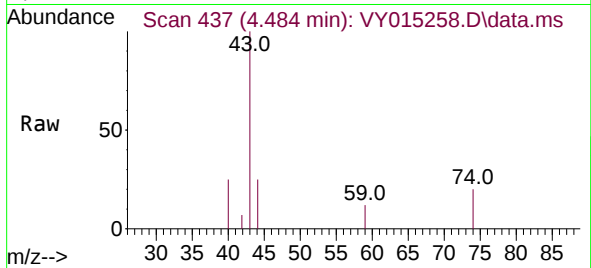




#18
Methyl Acetate
Concen: 1.681 ug/l
RT: 4.484 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY015258.D
Acq: 22 Aug 2023 20:35

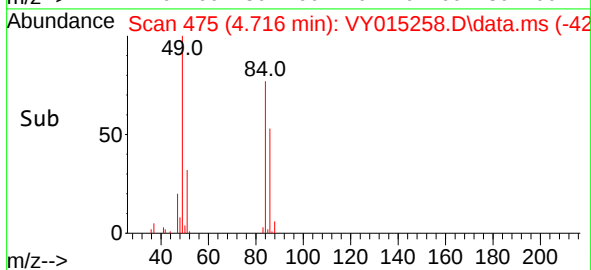
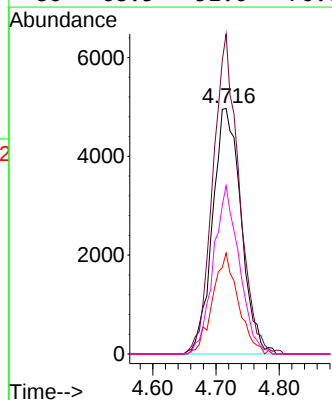
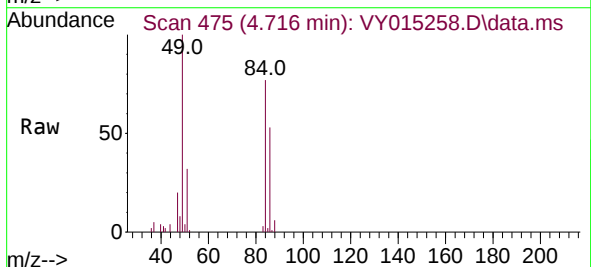
Instrument :
MSVOA_Y
ClientSampleId :
TP-06(4-5)

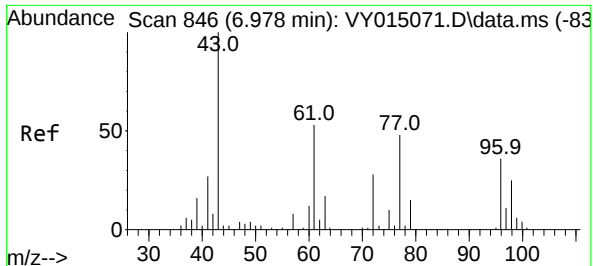
Tgt Ion: 43 Resp: 3079
Ion Ratio Lower Upper
43 100
74 22.8 17.4 26.0



#20
Methylene Chloride
Concen: 9.487 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY015258.D
Acq: 22 Aug 2023 20:35

Tgt Ion: 84 Resp: 15564
Ion Ratio Lower Upper
84 100
49 130.3 106.9 160.3
51 41.1 33.2 49.8
86 68.5 51.0 76.6





#25

2-Butanone

Concen: 1.293 ug/l

RT: 6.990 min Scan# 846

Delta R.T. 0.012 min

Lab File: VY015258.D

Acq: 22 Aug 2023 20:35

Instrument :

MSVOA_Y

ClientSampleId :

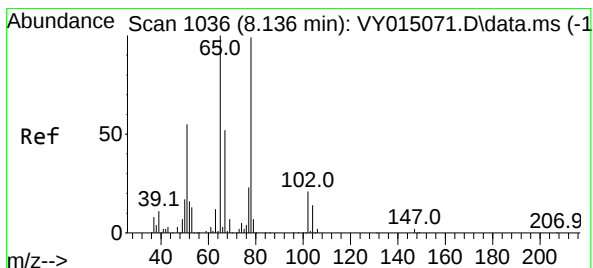
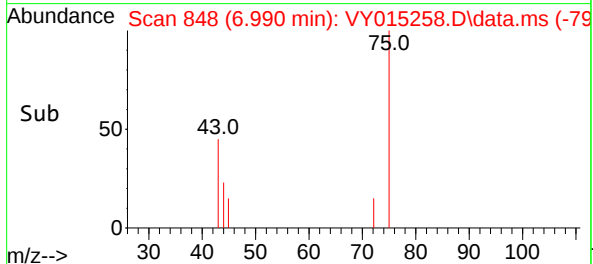
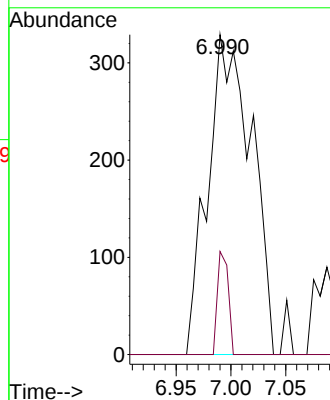
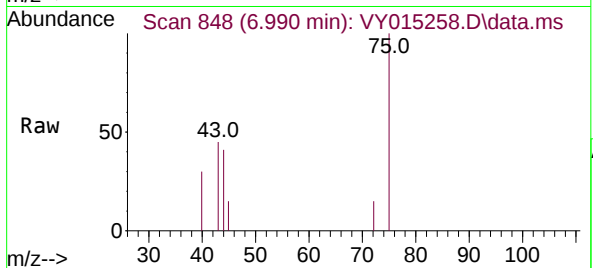
TP-06(4-5)

Tgt Ion: 43 Resp: 915

Ion Ratio Lower Upper

43 100

72 32.2 20.5 30.7#



#33

1,2-Dichloroethane-d4

Concen: 55.519 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY015258.D

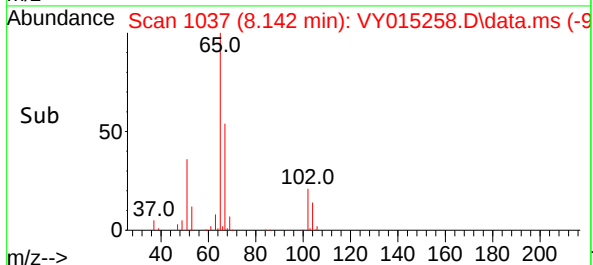
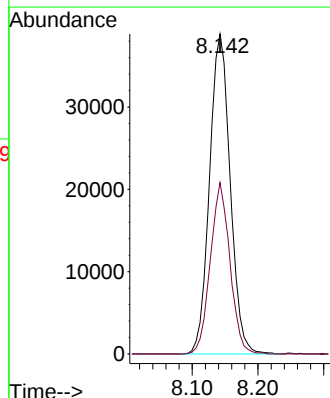
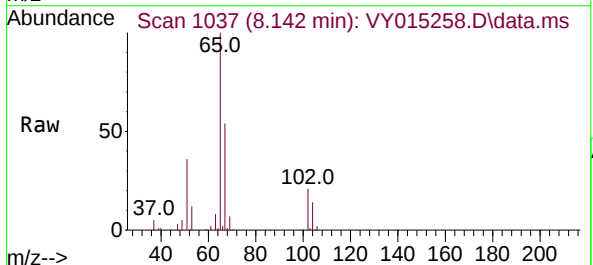
Acq: 22 Aug 2023 20:35

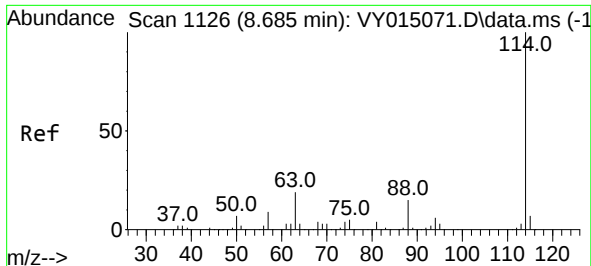
Tgt Ion: 65 Resp: 84944

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY015258.D

Acq: 22 Aug 2023 20:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-06(4-5)

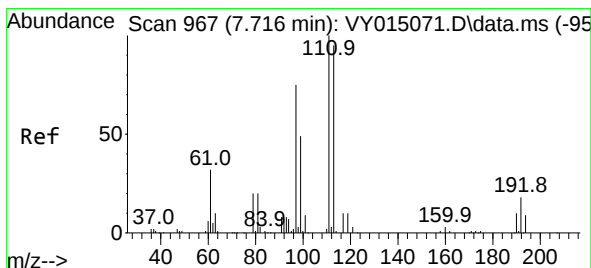
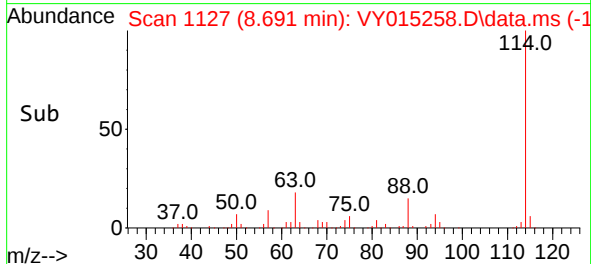
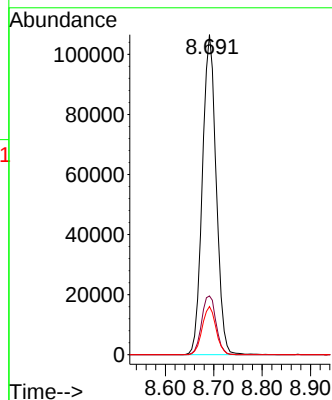
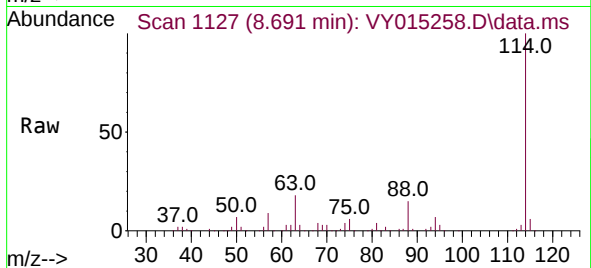
Tgt Ion:114 Resp: 211206

Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.718 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015258.D

Acq: 22 Aug 2023 20:35

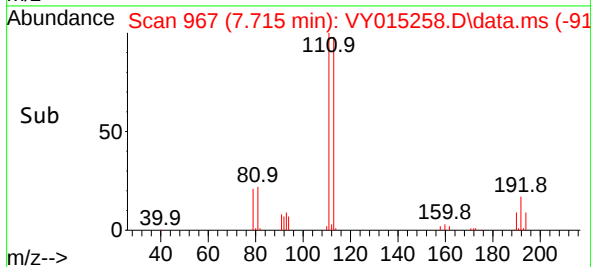
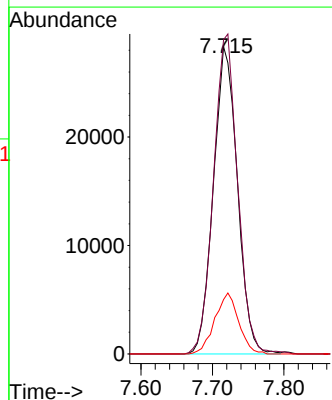
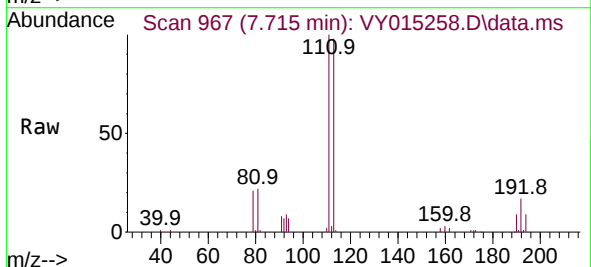
Tgt Ion:113 Resp: 66196

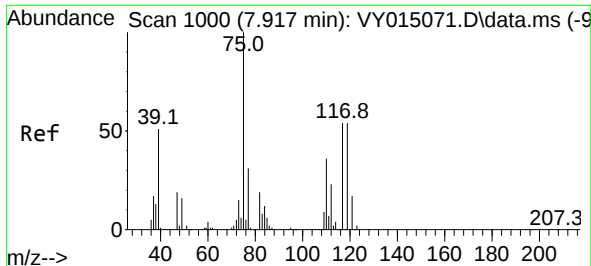
Ion Ratio Lower Upper

113 100

111 104.2 81.3 121.9

192 19.7 16.9 25.3

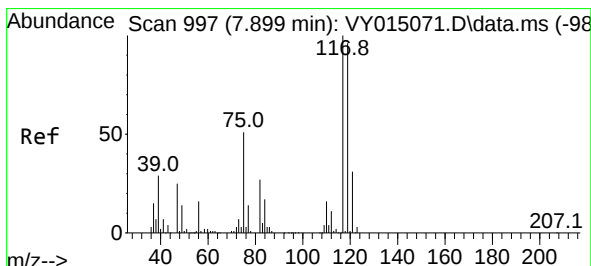
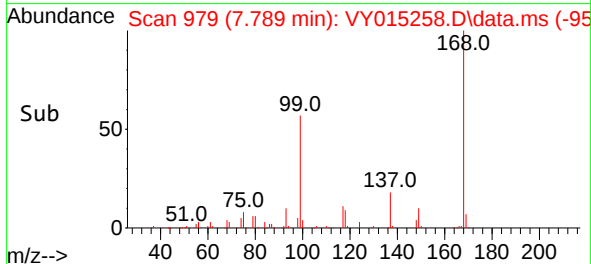
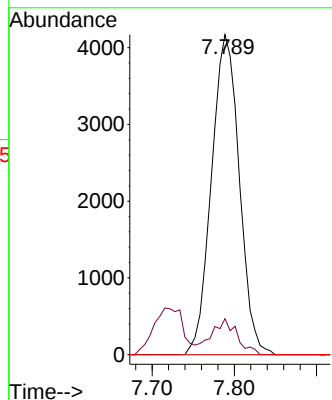
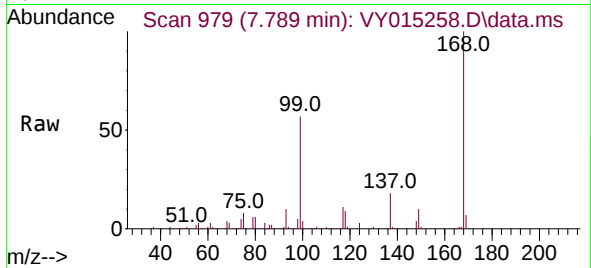




#36
1,1-Dichloropropene
Concen: 6.514 ug/l
RT: 7.789 min Scan# 919
Delta R.T. -0.122 min
Lab File: VY015258.D
Acq: 22 Aug 2023 20:35

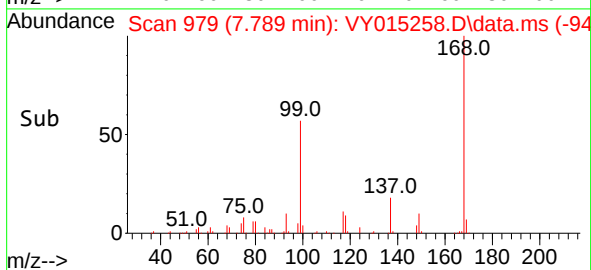
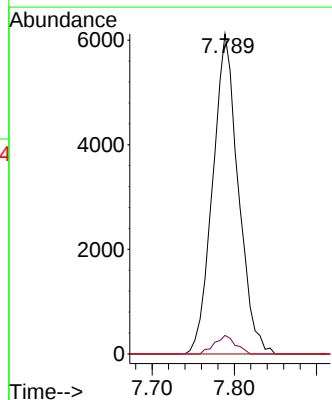
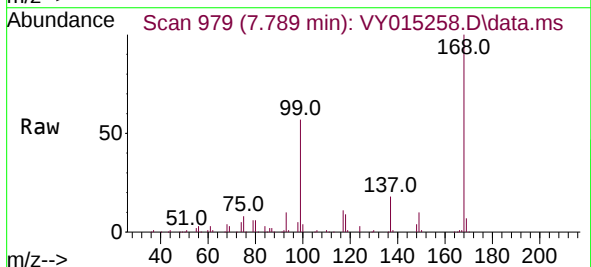
Instrument :
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TP-06(4-5)

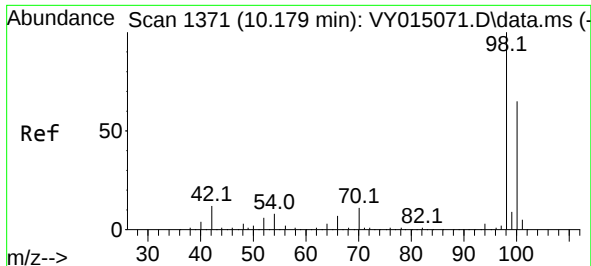
Tgt Ion: 75 Resp: 9792
Ion Ratio Lower Upper
75 100
110 10.5 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.435 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY015258.D
Acq: 22 Aug 2023 20:35

Tgt Ion: 117 Resp: 13227
Ion Ratio Lower Upper
117 100
119 5.8 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 49.604 ug/l

RT: 10.178 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY015258.D

Acq: 22 Aug 2023 20:35

Instrument :

MSVOA_Y

ClientSampleId :

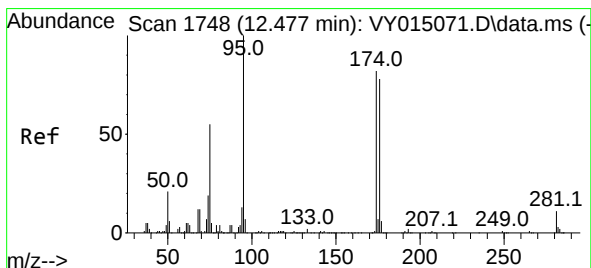
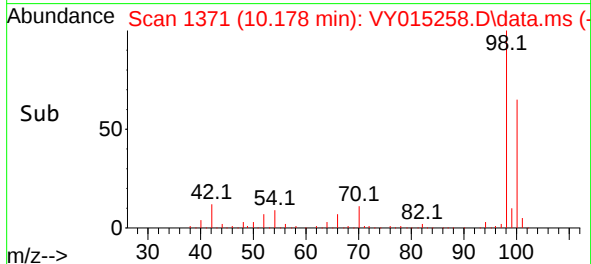
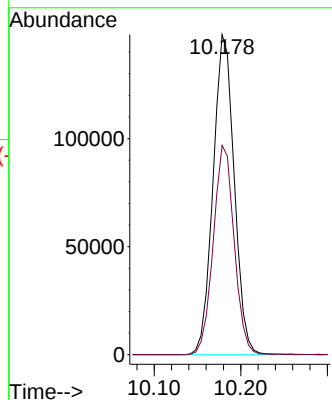
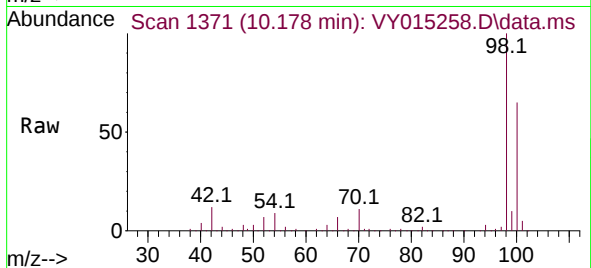
TP-06(4-5)

Tgt Ion: 98 Resp: 250900

Ion Ratio Lower Upper

98 100

100 64.8 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 45.832 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015258.D

Acq: 22 Aug 2023 20:35

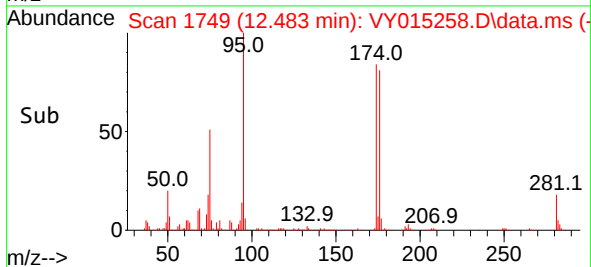
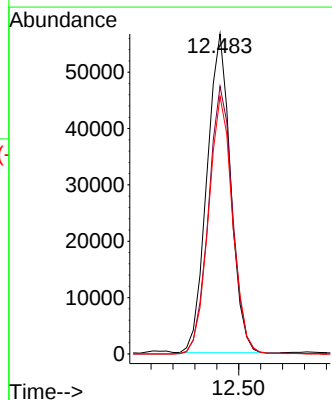
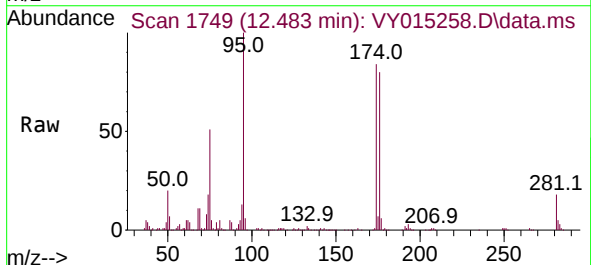
Tgt Ion: 95 Resp: 84672

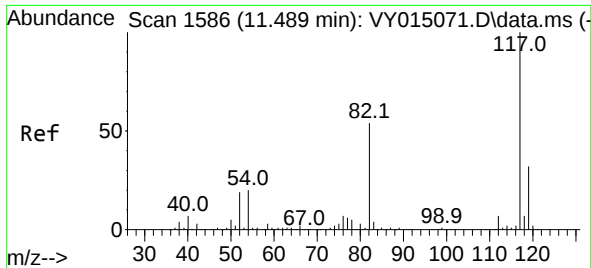
Ion Ratio Lower Upper

95 100

174 85.7 0.0 178.2

176 82.2 0.0 173.8

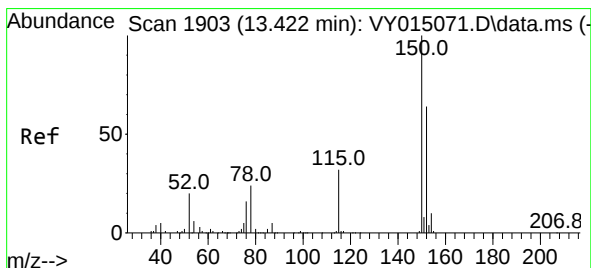
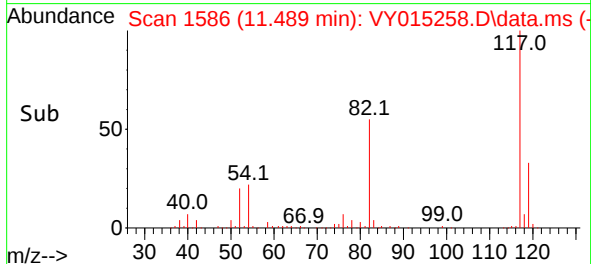
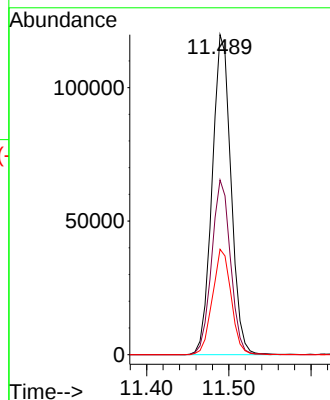
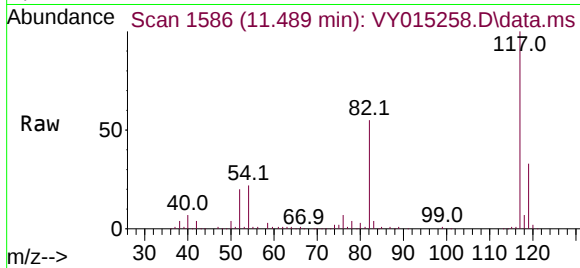




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015258.D
Acq: 22 Aug 2023 20:35

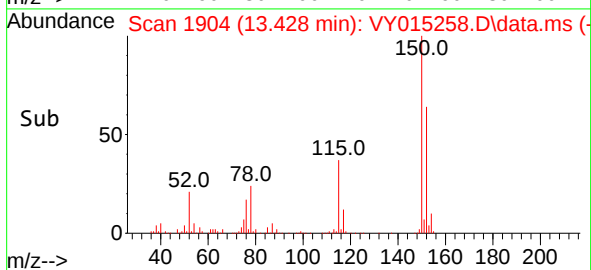
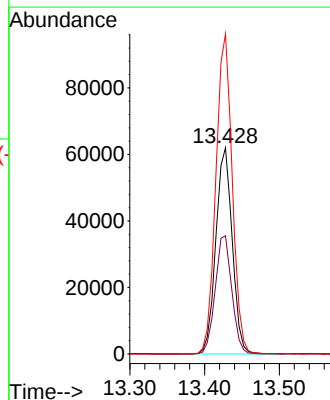
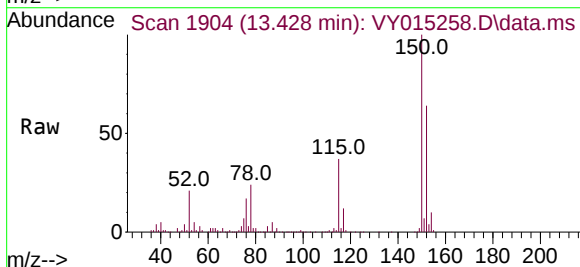
Instrument :
MSVOA_Y
ClientSampleId :
TP-06(4-5)

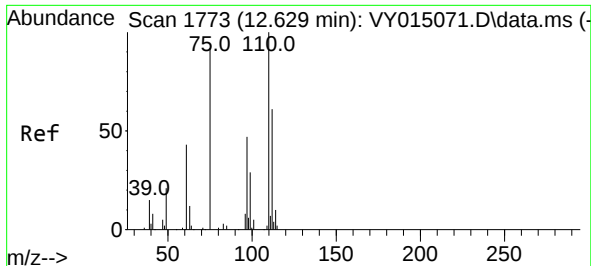
Tgt Ion:117 Resp: 190617
Ion Ratio Lower Upper
117 100
82 54.6 43.4 65.0
119 32.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015258.D
Acq: 22 Aug 2023 20:35

Tgt Ion:152 Resp: 94888
Ion Ratio Lower Upper
152 100
115 58.0 28.8 86.5
150 154.5 0.0 348.8

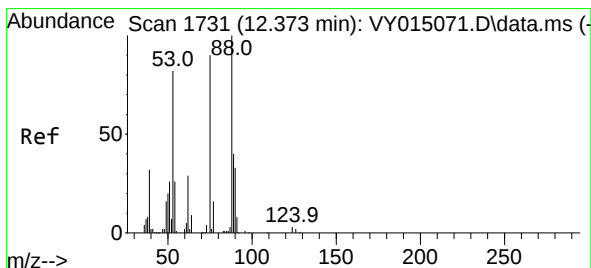
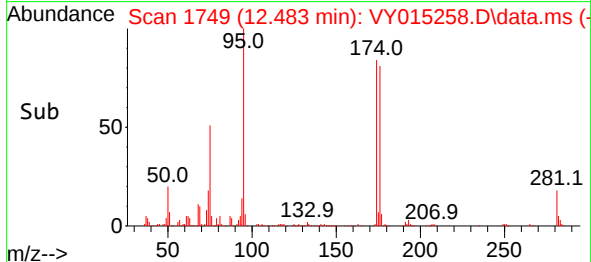
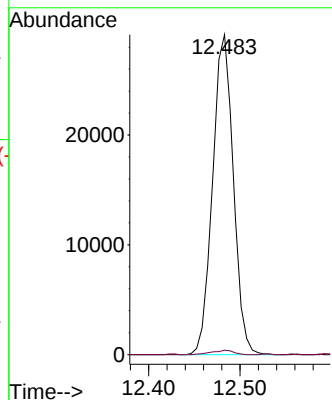
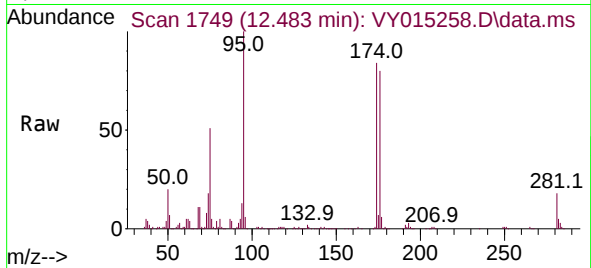




#76
1,2,3-Trichloropropane
Concen: 39.763 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY015258.D
Acq: 22 Aug 2023 20:35

Instrument :
MSVOA_Y
ClientSampleId :
TP-06(4-5)

Tgt Ion: 75 Resp: 45840
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.340 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY015258.D
Acq: 22 Aug 2023 20:35

Tgt Ion: 75 Resp: 45840
Ion Ratio Lower Upper
75 100
53 0.4 77.8 116.8#
89 0.4 37.4 56.0#

