

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015265.D
 Acq On : 22 Aug 2023 23:52
 Operator : SY/MD
 Sample : 04110-02
 Misc : 5.80g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-03(2-4)

Quant Time: Aug 23 04:57:54 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)

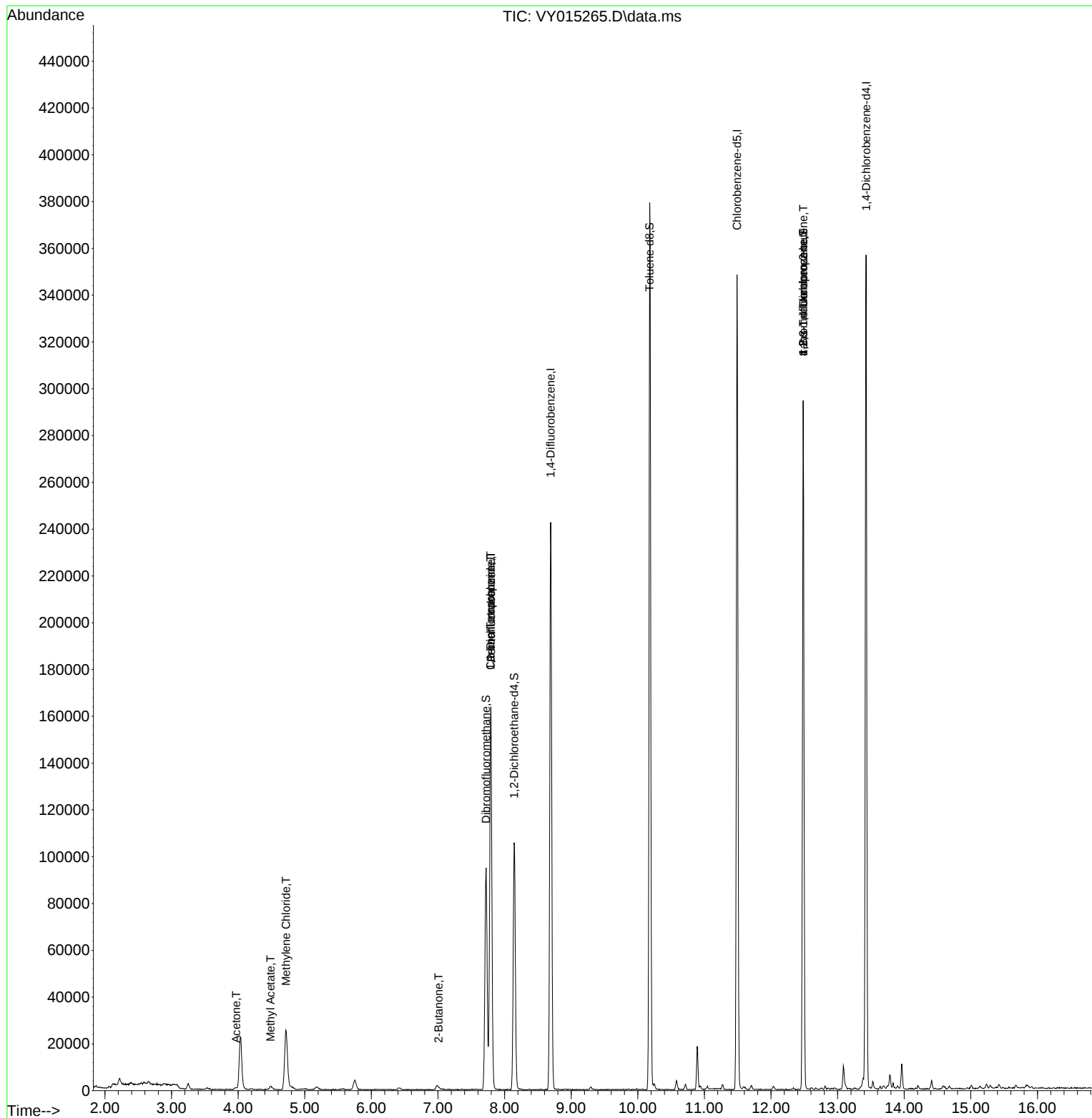
Internal Standards						
1) Pentafluorobenzene	7.795	168	128164	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	211324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	189306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	90375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	83993	54.594	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.180%			
35) Dibromofluoromethane	7.722	113	66622	49.004	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.000%			
50) Toluene-d8	10.179	98	247802	48.964	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.920%			
62) 4-Bromofluorobenzene	12.483	95	81430	44.052	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 88.100%			
Target Compounds						
3) Chloromethane	2.113	50	296	Below Cal	#	80
5) Bromomethane	2.656	94	337	Below Cal		88
11) Tert butyl alcohol	4.960	59	247	Below Cal	#	89
16) Acetone	3.972	43	1303	2.593	ug/l	96
18) Methyl Acetate	4.485	43	2872	1.559	ug/l	91
20) Methylene Chloride	4.716	84	18943	12.477	ug/l	# 90
25) 2-Butanone	7.009	43	826	1.161	ug/l	# 49
31) Cyclohexane	7.789	56	2856	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	9827	6.534	ug/l	# 49
38) Carbon Tetrachloride	7.789	117	12659	7.112	ug/l	# 16
76) 1,2,3-Trichloropropane	12.483	75	45619	41.548	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	45619	91.259	ug/l	# 11

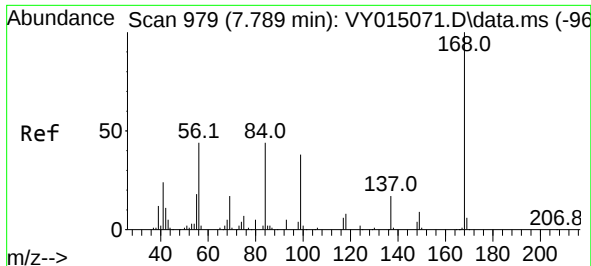
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TP-03(2-4)

Quant Time: Aug 23 04:57:54 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
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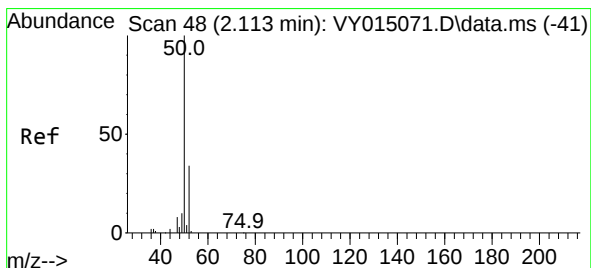
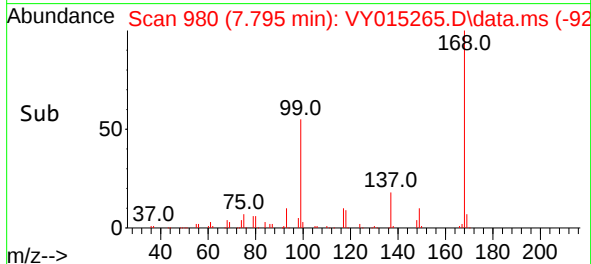
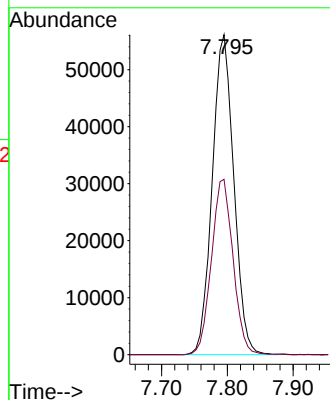
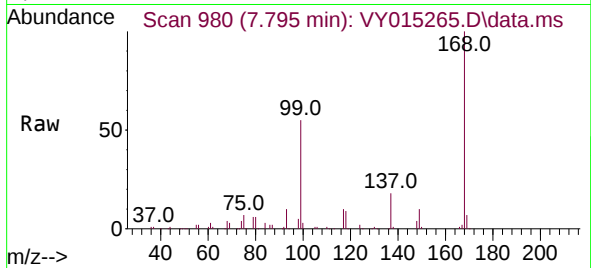




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015265.D
Acq: 22 Aug 2023 23:52

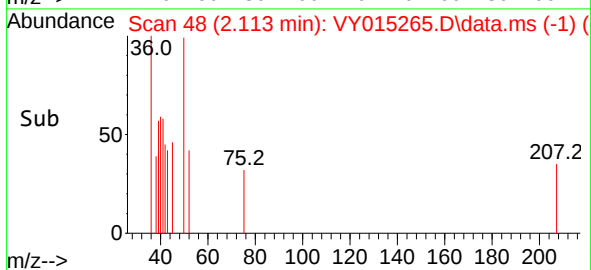
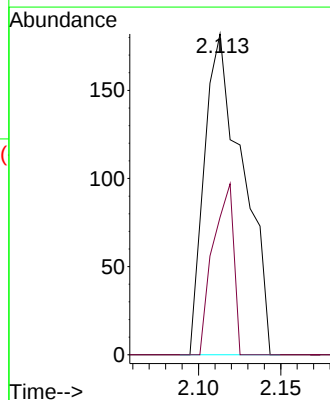
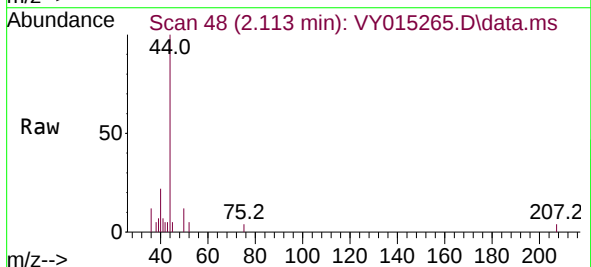
Instrument :
MSVOA_Y
ClientSampleId :
TP-03(2-4)

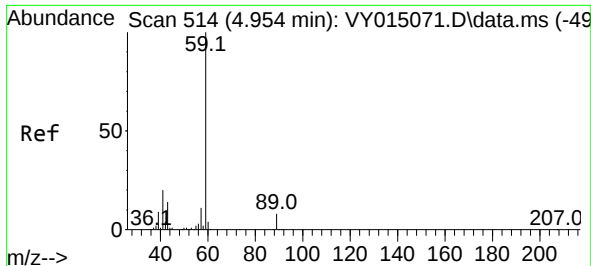
Tgt Ion:168 Resp: 128164
Ion Ratio Lower Upper
168 100
99 54.8 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY015265.D
Acq: 22 Aug 2023 23:52

Tgt Ion: 50 Resp: 296
Ion Ratio Lower Upper
50 100
52 42.9 25.4 38.2#

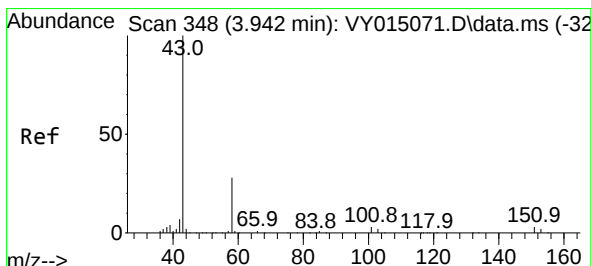
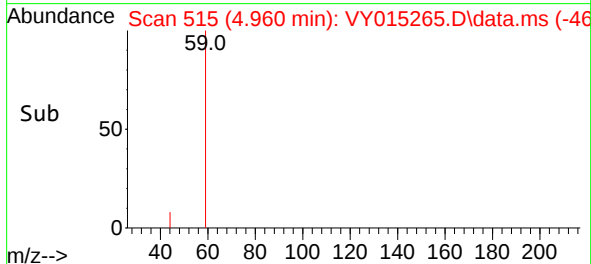
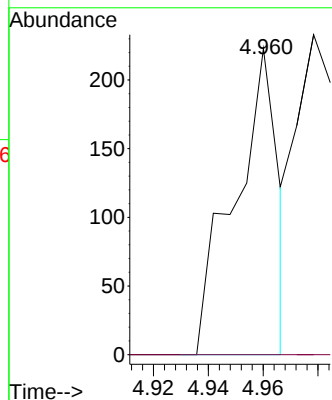
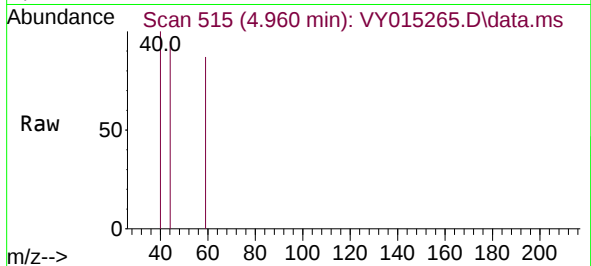




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 514
Delta R.T. 0.012 min
Lab File: VY015265.D
Acq: 22 Aug 2023 23:52

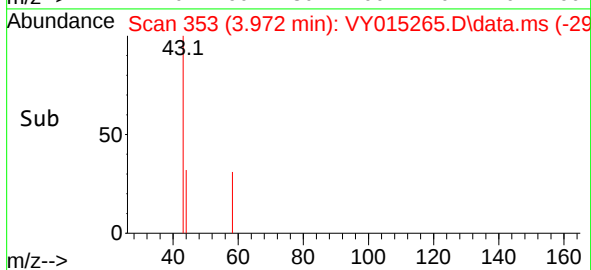
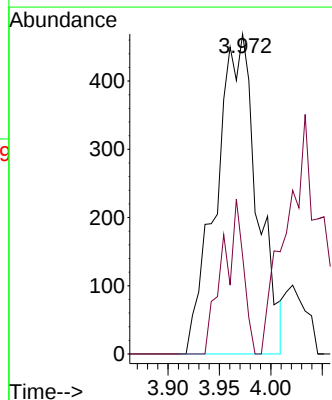
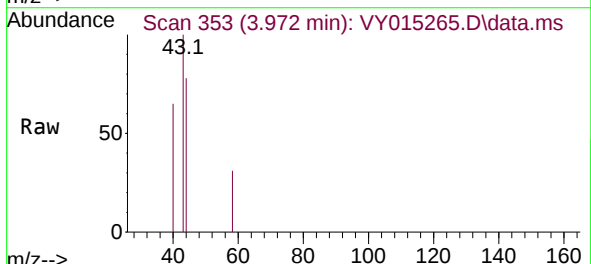
Instrument :
MSVOA_Y
ClientSampleId :
TP-03(2-4)

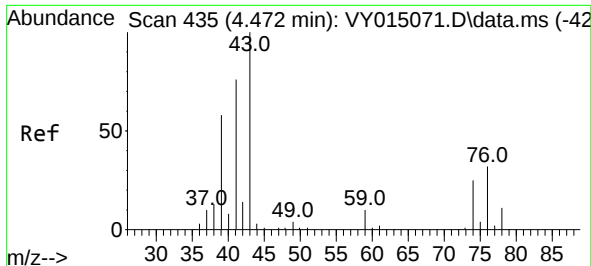
Tgt Ion: 59 Resp: 247
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 2.593 ug/l
RT: 3.972 min Scan# 353
Delta R.T. 0.030 min
Lab File: VY015265.D
Acq: 22 Aug 2023 23:52

Tgt Ion: 43 Resp: 1303
Ion Ratio Lower Upper
43 100
58 30.7 22.7 34.1





#18

Methyl Acetate

Concen: 1.559 ug/l

RT: 4.485 min Scan# 41

Delta R.T. 0.019 min

Lab File: VY015265.D

Acq: 22 Aug 2023 23:52

Instrument :

MSVOA_Y

ClientSampleId :

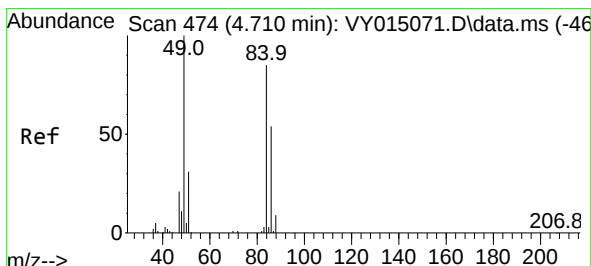
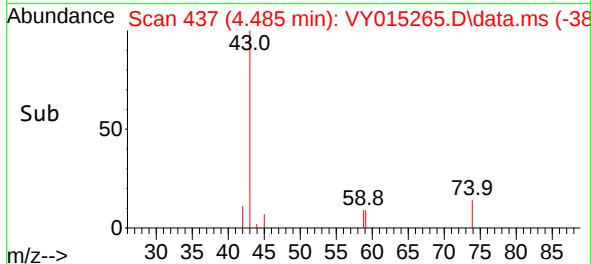
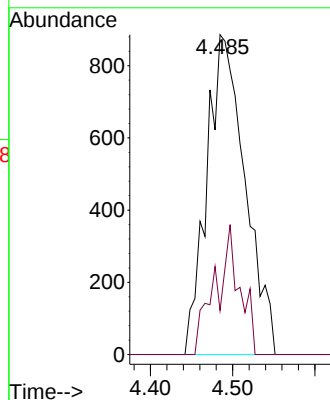
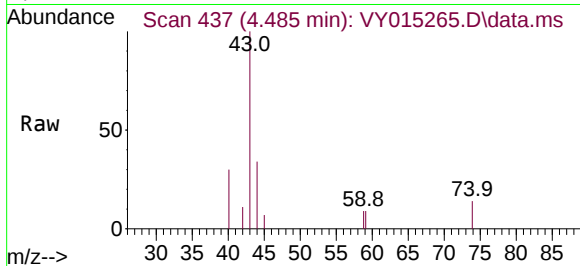
TP-03(2-4)

Tgt Ion: 43 Resp: 2872

Ion Ratio Lower Upper

43 100

74 25.9 17.4 26.0



#20

Methylene Chloride

Concen: 12.477 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY015265.D

Acq: 22 Aug 2023 23:52

Tgt Ion: 84 Resp: 18943

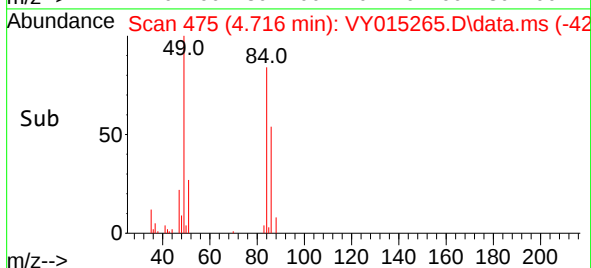
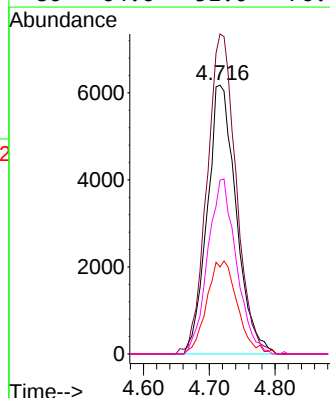
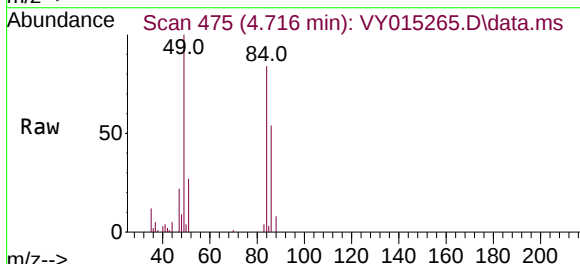
Ion Ratio Lower Upper

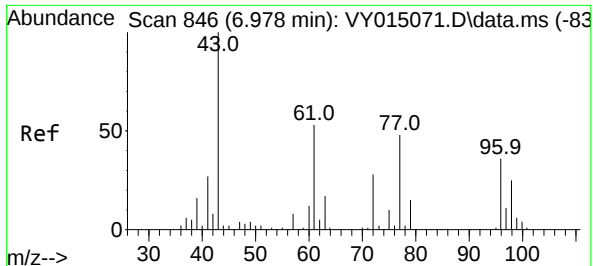
84 100

49 119.0 106.9 160.3

51 32.4 33.2 49.8#

86 64.6 51.0 76.6





#25

2-Butanone

Concen: 1.161 ug/l

RT: 7.009 min Scan# 81

Delta R.T. 0.030 min

Lab File: VY015265.D

Acq: 22 Aug 2023 23:52

Instrument :

MSVOA_Y

ClientSampleId :

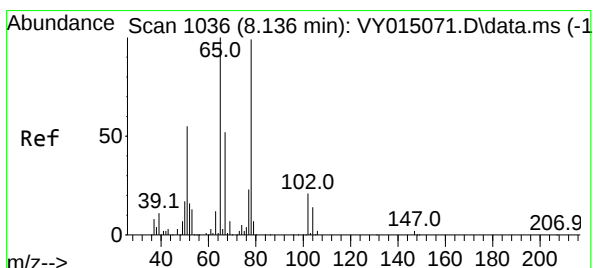
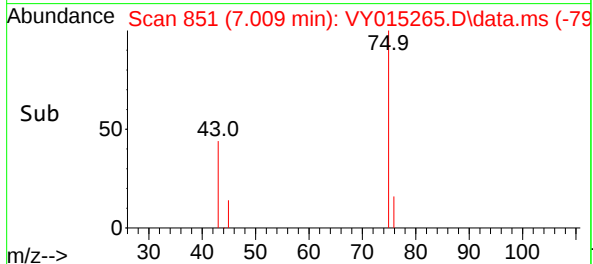
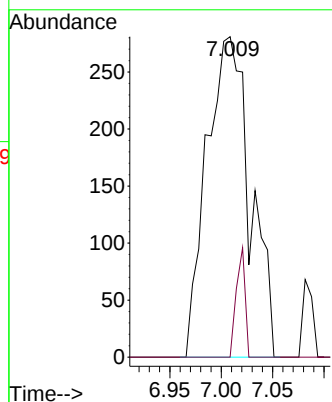
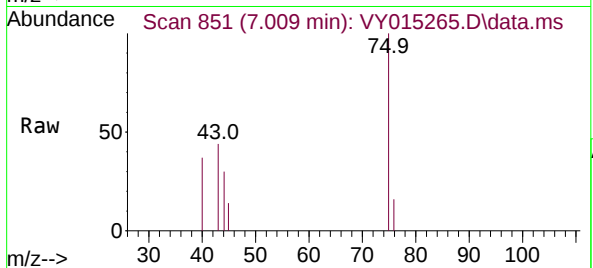
TP-03(2-4)

Tgt Ion: 43 Resp: 826

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#33

1,2-Dichloroethane-d4

Concen: 54.594 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY015265.D

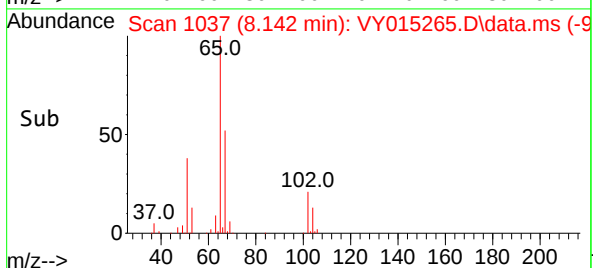
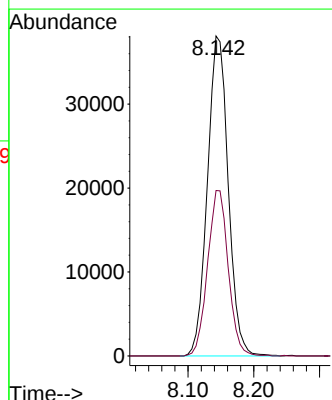
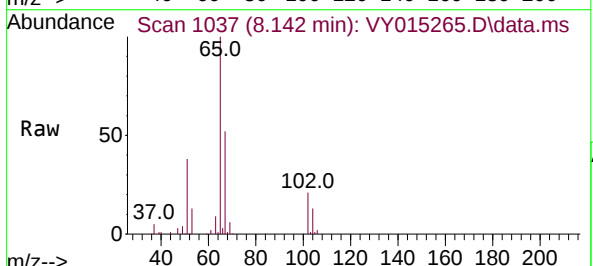
Acq: 22 Aug 2023 23:52

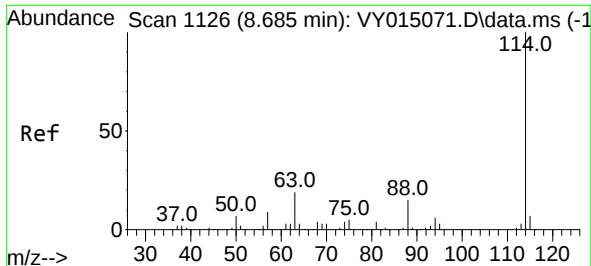
Tgt Ion: 65 Resp: 83993

Ion Ratio Lower Upper

65 100

67 51.3 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: VY015265.D

Acq: 22 Aug 2023 23:52

Instrument :

MSVOA_Y

ClientSampleId :

TP-03(2-4)

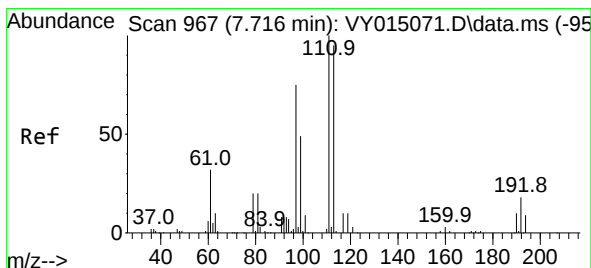
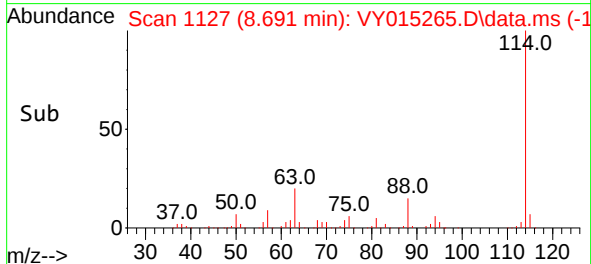
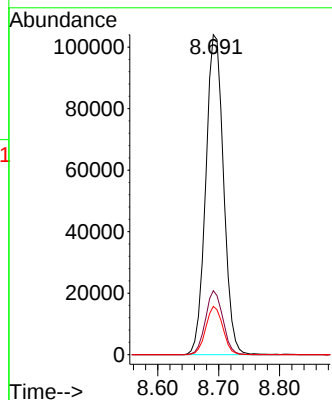
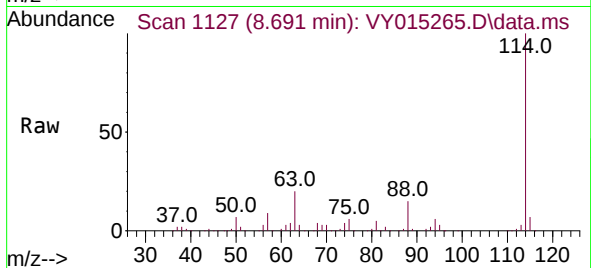
Tgt Ion:114 Resp: 211324

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.004 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY015265.D

Acq: 22 Aug 2023 23:52

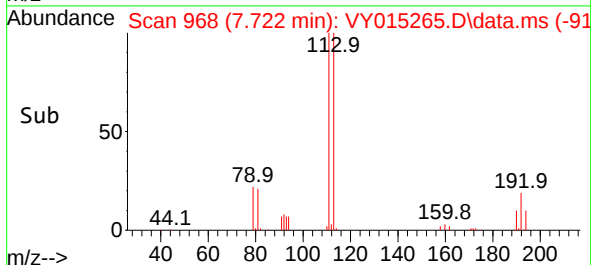
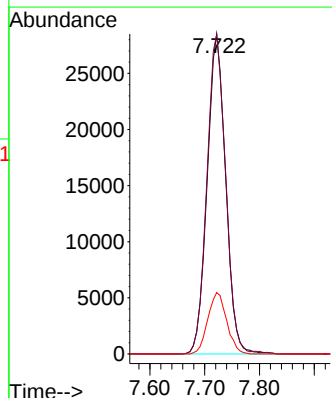
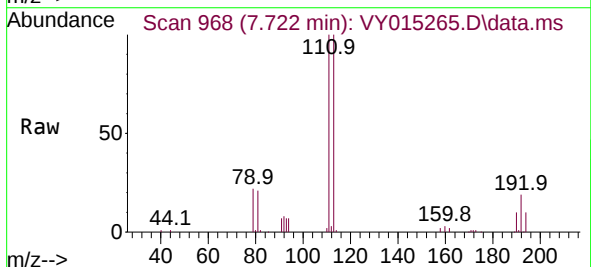
Tgt Ion:113 Resp: 66622

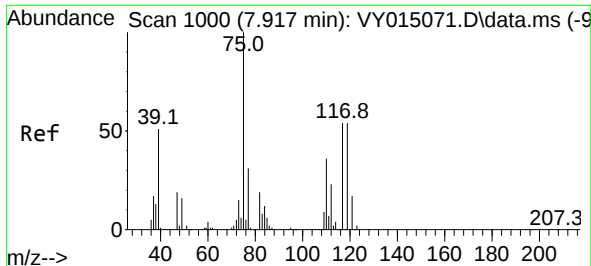
Ion Ratio Lower Upper

113 100

111 101.7 81.3 121.9

192 19.6 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.534 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY015265.D

Acq: 22 Aug 2023 23:52

Instrument :

MSVOA_Y

ClientSampleId :

TP-03(2-4)

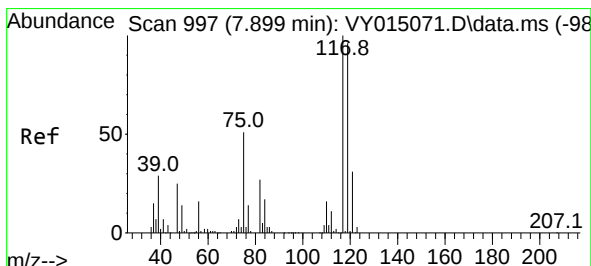
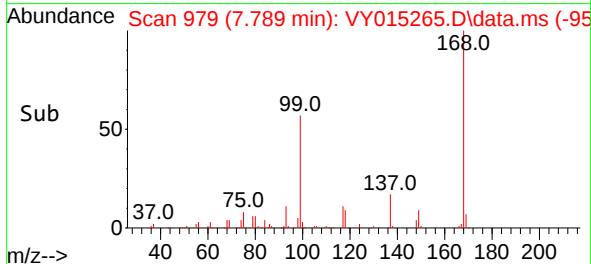
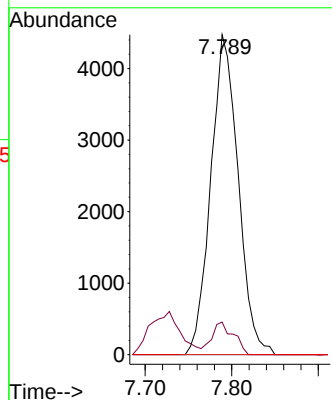
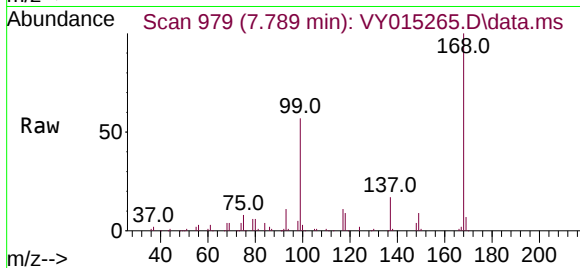
Tgt Ion: 75 Resp: 9827

Ion Ratio Lower Upper

75 100

110 8.1 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 7.112 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY015265.D

Acq: 22 Aug 2023 23:52

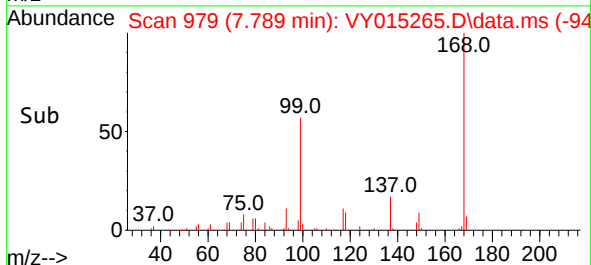
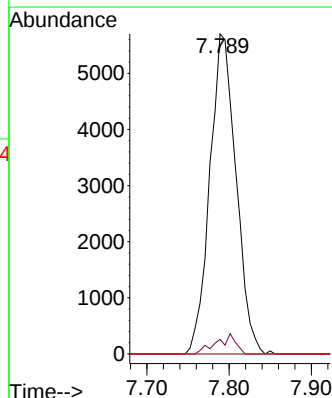
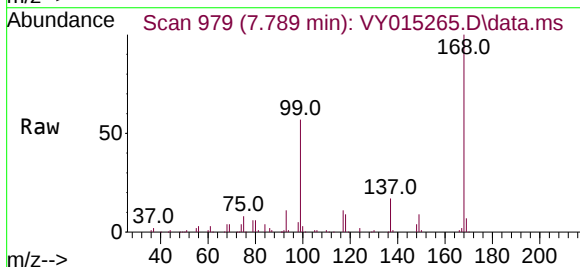
Tgt Ion: 117 Resp: 12659

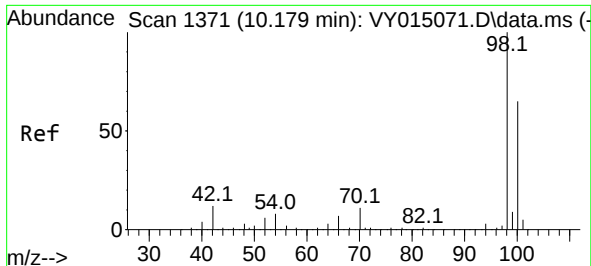
Ion Ratio Lower Upper

117 100

119 4.5 76.4 114.6#

121 0.0 25.8 38.6#

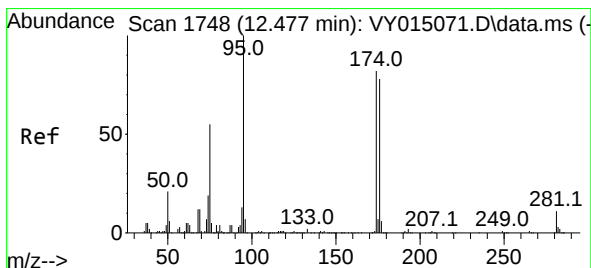
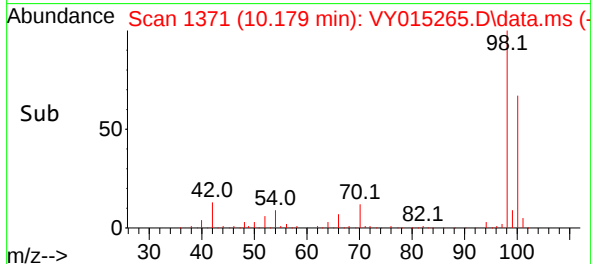
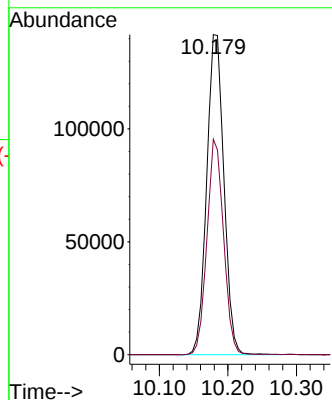
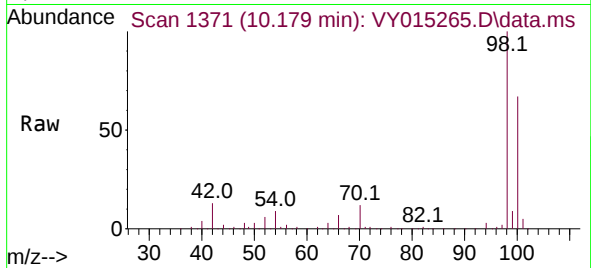




#50
Toluene-d8
Concen: 48.964 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015265.D
Acq: 22 Aug 2023 23:52

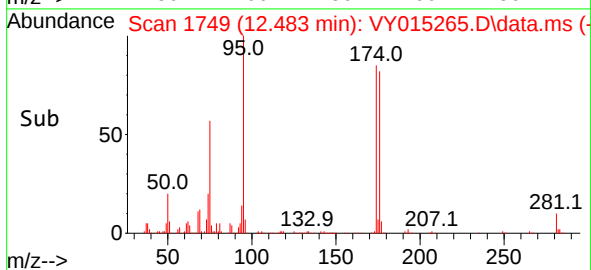
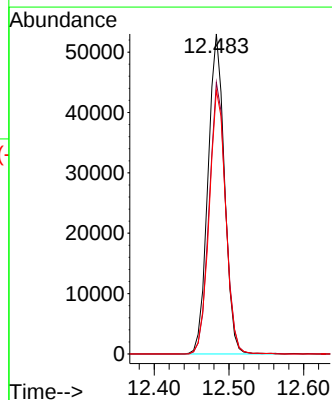
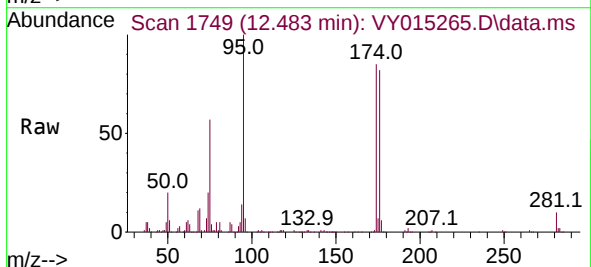
Instrument :
MSVOA_Y
ClientSampleId :
TP-03(2-4)

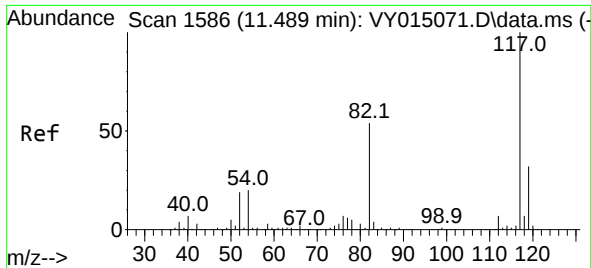
Tgt Ion: 98 Resp: 247802
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 44.052 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015265.D
Acq: 22 Aug 2023 23:52

Tgt Ion: 95 Resp: 81430
Ion Ratio Lower Upper
95 100
174 84.5 0.0 178.2
176 82.5 0.0 173.8

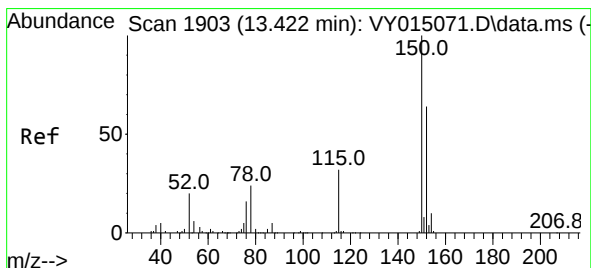
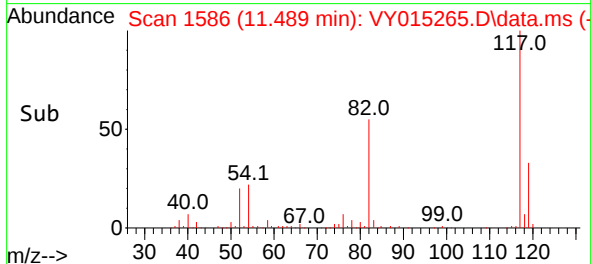
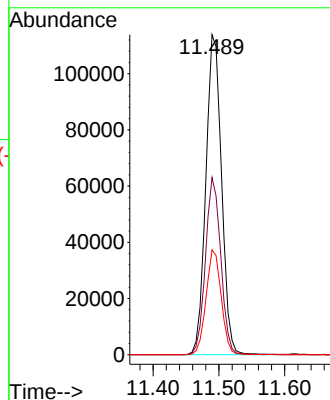
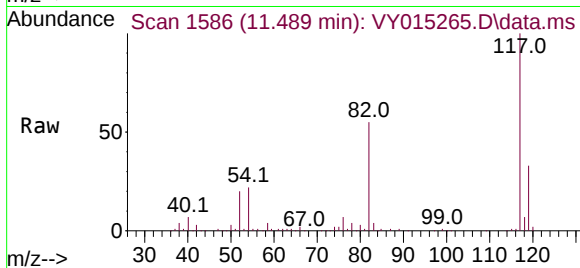




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015265.D
Acq: 22 Aug 2023 23:52

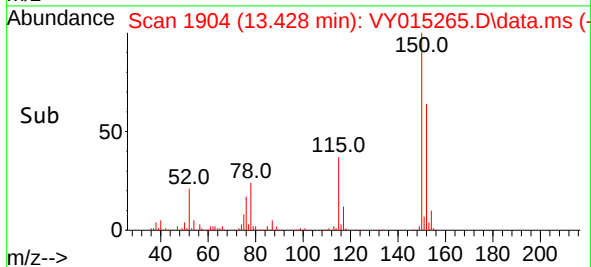
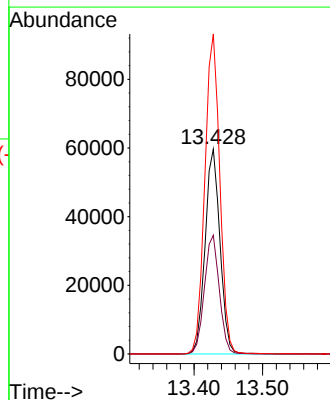
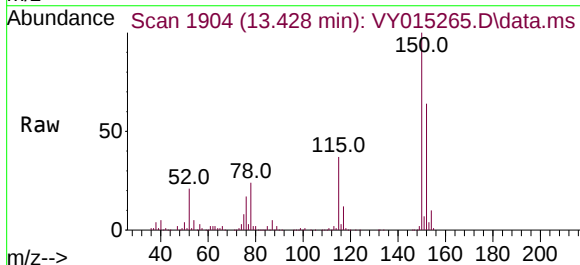
Instrument :
MSVOA_Y
ClientSampleId :
TP-03(2-4)

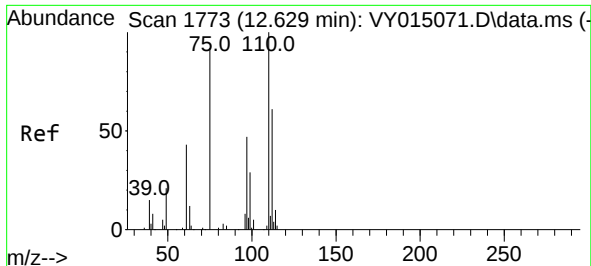
Tgt Ion:117 Resp: 189306
Ion Ratio Lower Upper
117 100
82 55.3 43.4 65.0
119 32.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015265.D
Acq: 22 Aug 2023 23:52

Tgt Ion:152 Resp: 90375
Ion Ratio Lower Upper
152 100
115 58.1 28.8 86.5
150 157.0 0.0 348.8

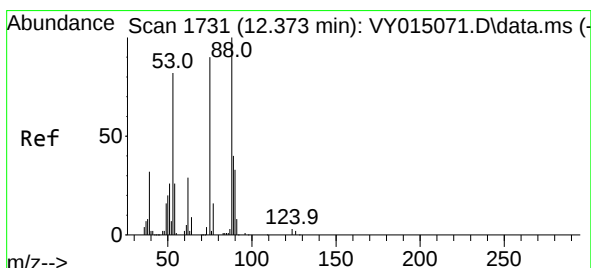
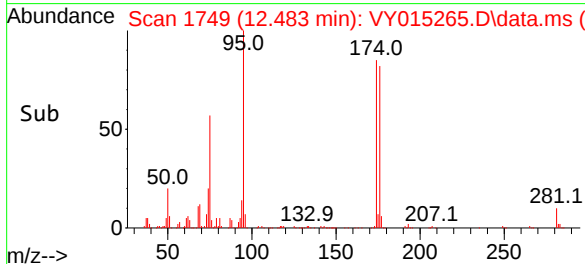
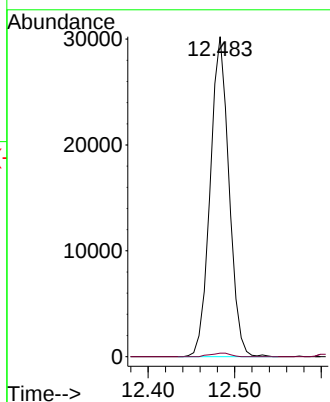
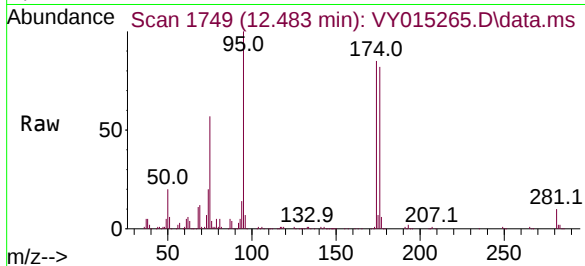




#76
1,2,3-Trichloropropane
Concen: 41.548 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015265.D
Acq: 22 Aug 2023 23:52

Instrument :
MSVOA_Y
ClientSampleId :
TP-03(2-4)

Tgt Ion: 75 Resp: 45619
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.259 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY015265.D
Acq: 22 Aug 2023 23:52

Tgt Ion: 75 Resp: 45619
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

