

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081924\
 Data File : VY019120.D
 Acq On : 19 Aug 2024 16:30
 Operator : SY/MD
 Sample : P3580-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 20 01:47:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

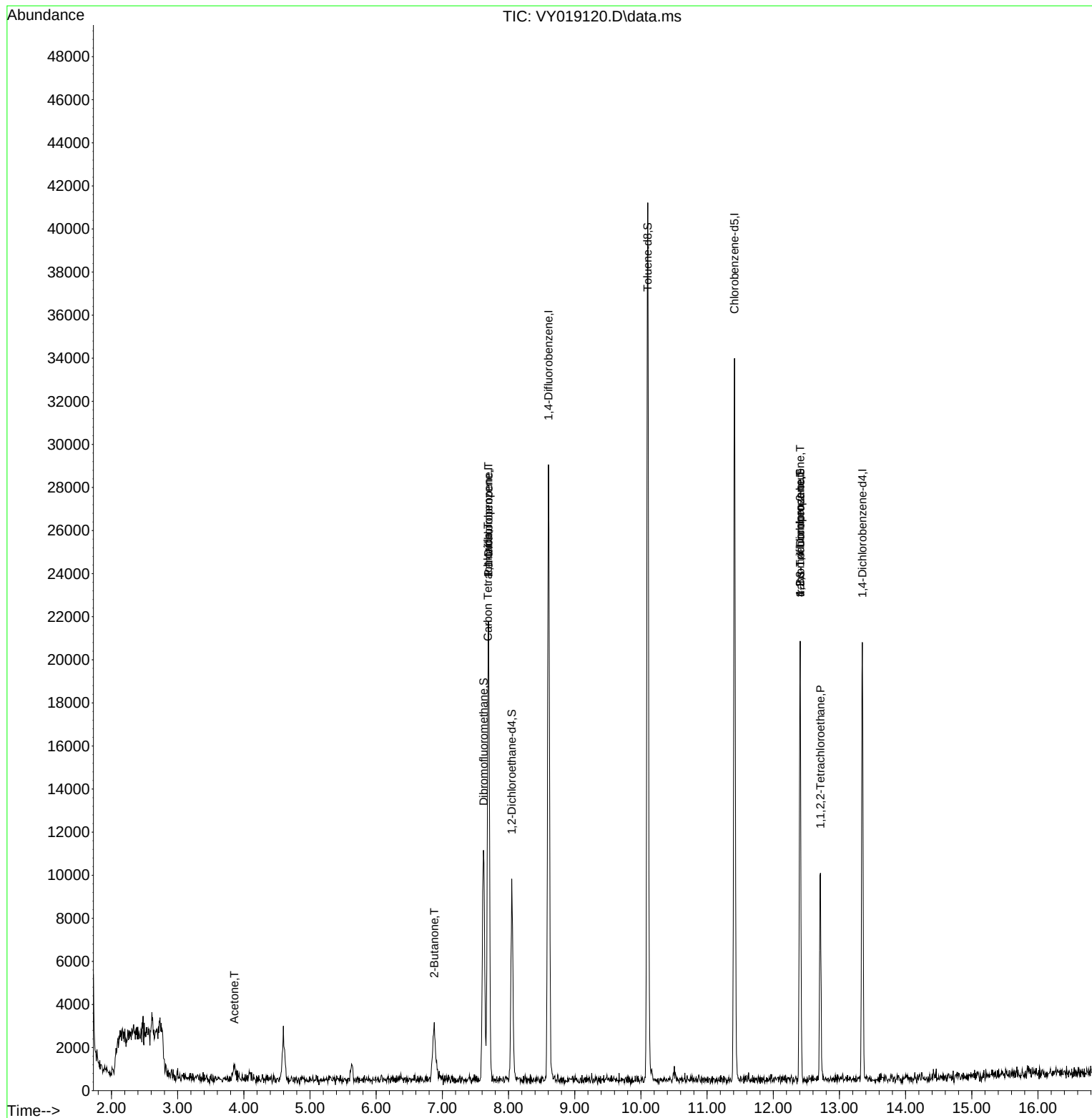
Internal Standards						
1) Pentafluorobenzene	7.695	168	16431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.603	114	25413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	18638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	5153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.048	65	6630	40.253	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.500%
35) Dibromofluoromethane	7.622	113	7974	47.988	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.980%
50) Toluene-d8	10.103	98	27233	45.542	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.080%
62) 4-Bromofluorobenzene	12.407	95	5679	27.859	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	55.720%
Target Compounds						
5) Bromomethane	2.604	94	239	Below Cal	Qvalue	92
6) Chloroethane	2.720	64	25	Below Cal	#	42
11) Tert butyl alcohol	4.830	59	48	Below Cal	#	88
16) Acetone	3.854	43	1301	42.592	ug/l #	66
20) Methylene Chloride	4.598	84	1607	Below Cal	#	83
25) 2-Butanone	6.878	43	187	3.801	ug/l #	41
31) Cyclohexane	7.701	56	268	Below Cal	#	1
36) 1,1-Dichloropropene	7.695	75	1273	5.579	ug/l #	40
38) Carbon Tetrachloride	7.689	117	1810	6.845	ug/l #	13
75) 1,1,2,2-Tetrachloroethane	12.712	83	234	3.328	ug/l #	26
76) 1,2,3-Trichloropropane	12.407	75	3286	64.662	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	3286	159.694	ug/l #	16

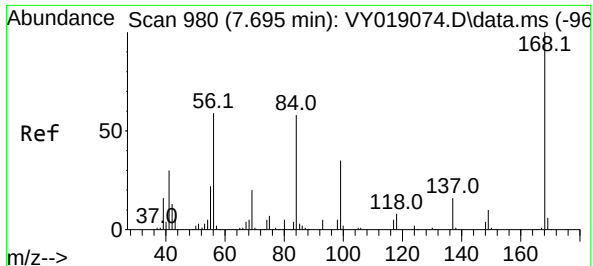
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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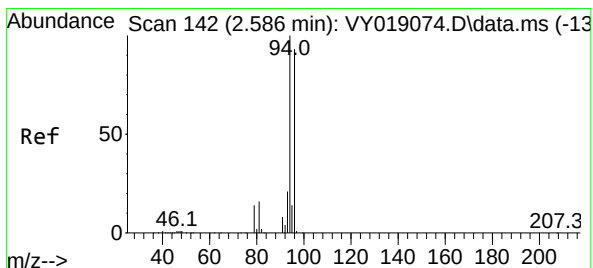
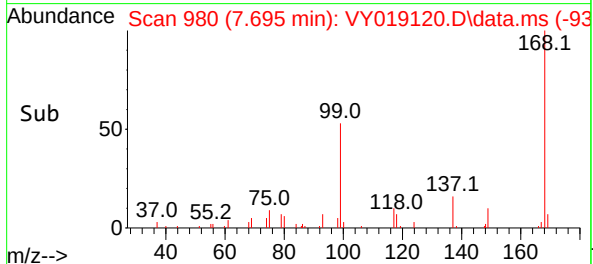
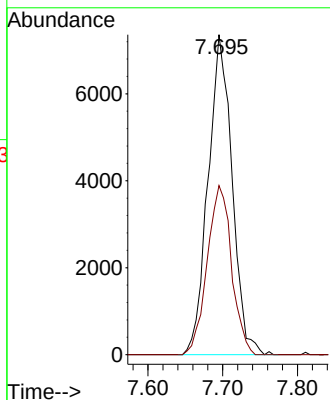
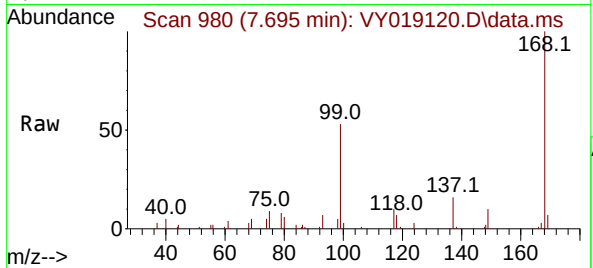




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 99
Delta R.T. -0.000 min
Lab File: VY019120.D
Acq: 19 Aug 2024 16:30

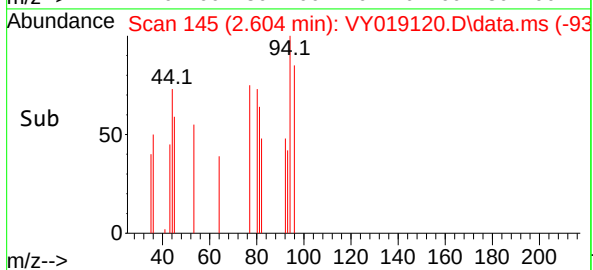
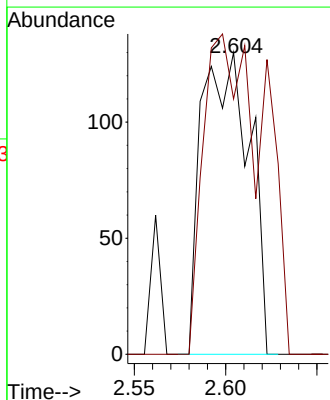
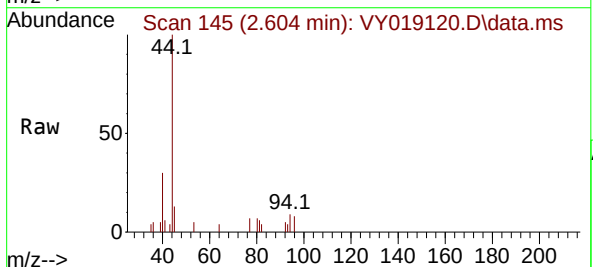
Instrument :
MSVOA_Y
ClientSampleId :

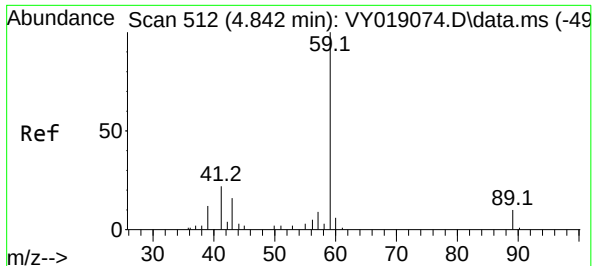
Tgt Ion:168 Resp: 16431
Ion Ratio Lower Upper
168 100
99 52.9 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.604 min Scan# 145
Delta R.T. 0.018 min
Lab File: VY019120.D
Acq: 19 Aug 2024 16:30

Tgt Ion: 94 Resp: 239
Ion Ratio Lower Upper
94 100
96 84.6 74.1 111.1





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.830 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY019120.D

Acq: 19 Aug 2024 16:30

Instrument :

MSVOA_Y

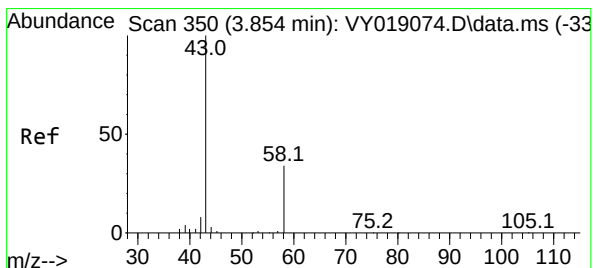
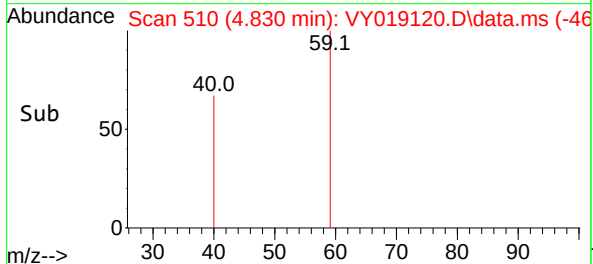
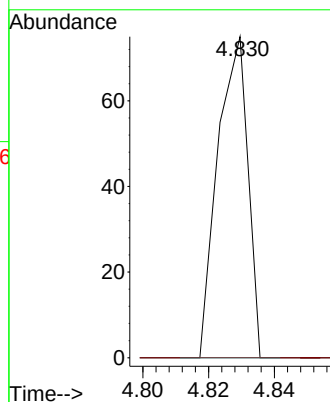
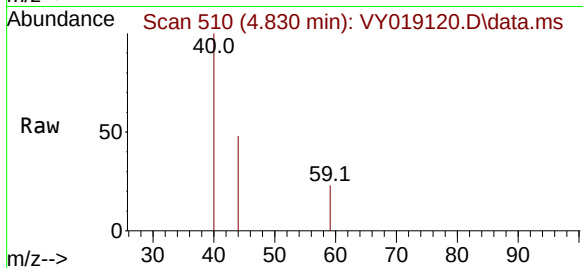
ClientSampleId :

Tgt Ion: 59 Resp: 48

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 42.592 ug/l

RT: 3.854 min Scan# 350

Delta R.T. 0.000 min

Lab File: VY019120.D

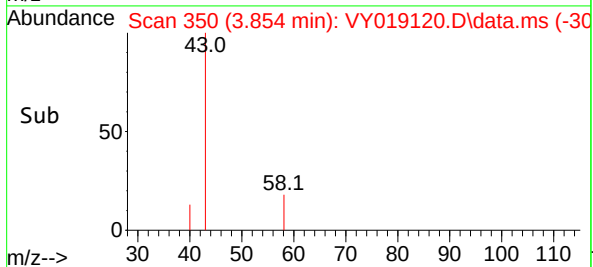
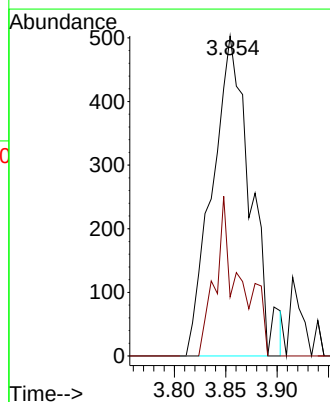
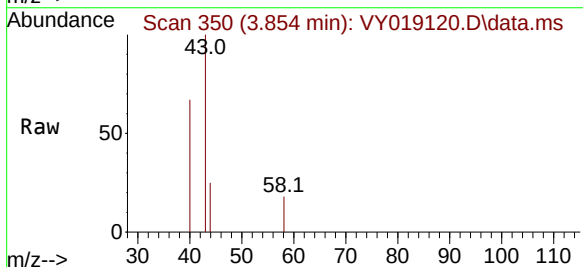
Acq: 19 Aug 2024 16:30

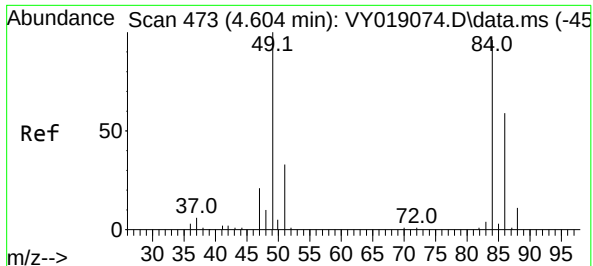
Tgt Ion: 43 Resp: 1301

Ion Ratio Lower Upper

43 100

58 18.5 31.7 47.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.598 min Scan# 41

Delta R.T. -0.006 min

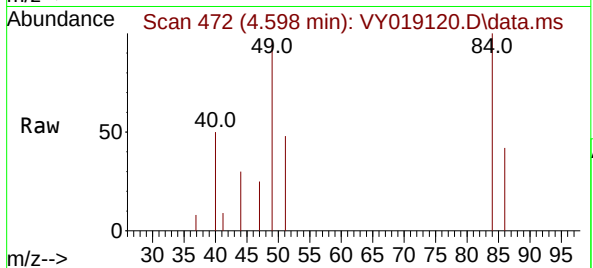
Lab File: VY019120.D

Acq: 19 Aug 2024 16:30

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 1607

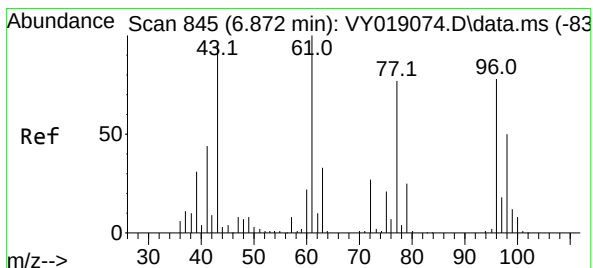
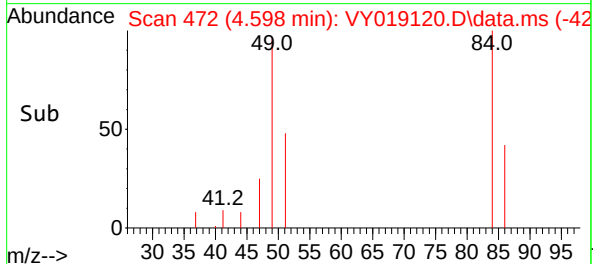
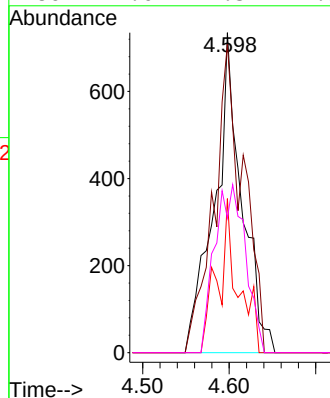
Ion Ratio Lower Upper

84 100

49 96.5 84.4 126.6

51 48.2 26.0 39.0#

86 42.0 49.5 74.3#



#25

2-Butanone

Concen: 3.801 ug/l

RT: 6.878 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY019120.D

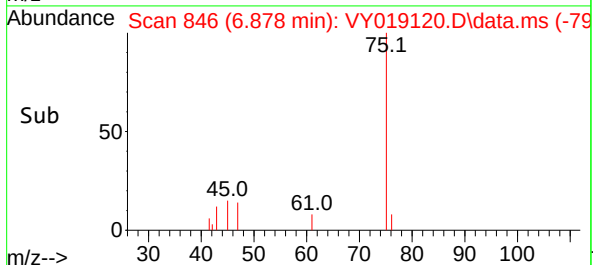
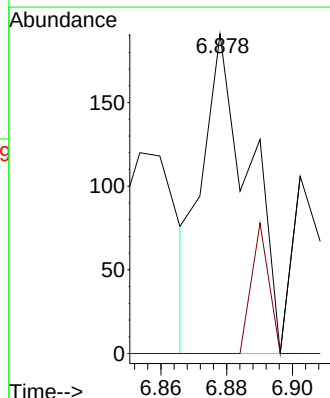
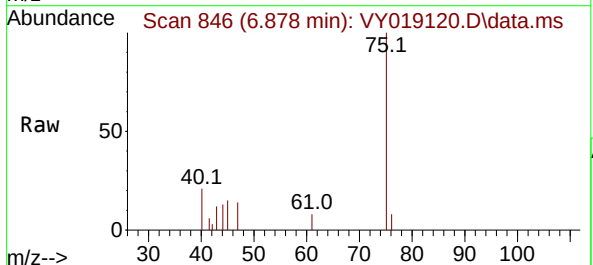
Acq: 19 Aug 2024 16:30

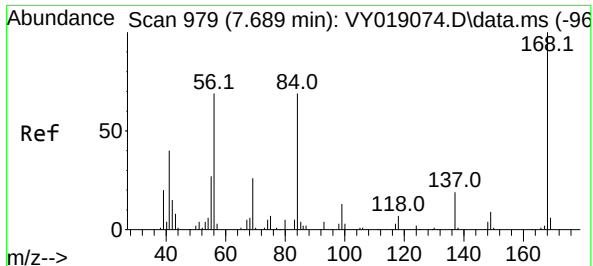
Tgt Ion: 43 Resp: 187

Ion Ratio Lower Upper

43 100

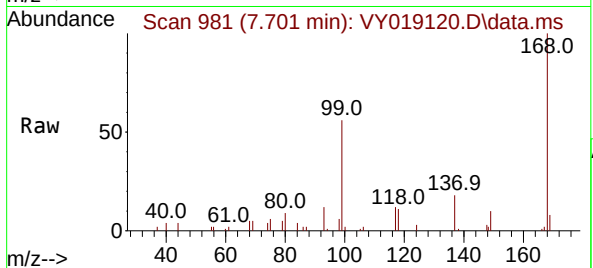
72 0.0 27.3 40.9#



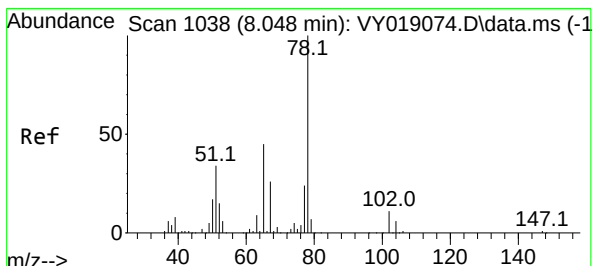
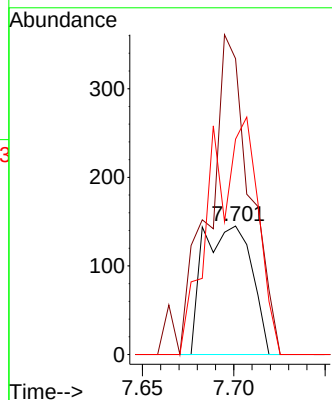
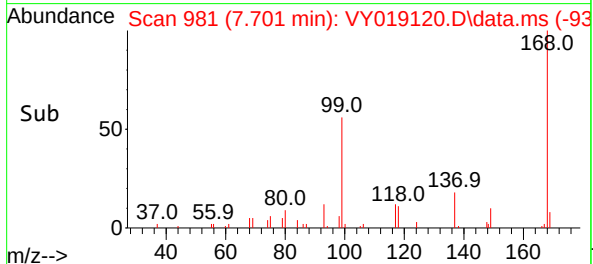


#31
Cyclohexane
Concen: Below Cal
RT: 7.701 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY019120.D
Acq: 19 Aug 2024 16:30

Instrument :
MSVOA_Y
ClientSampleId :

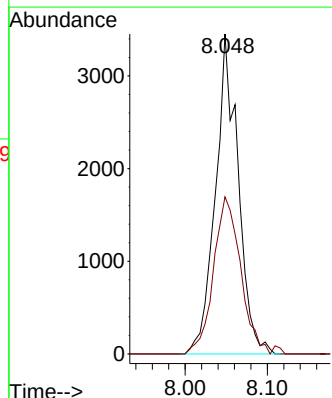
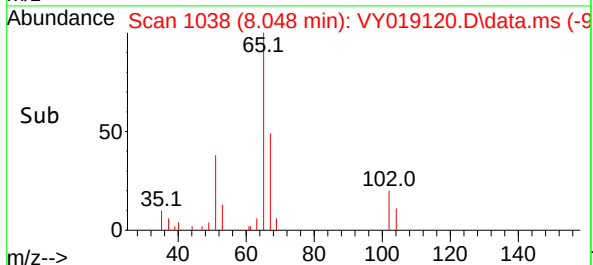
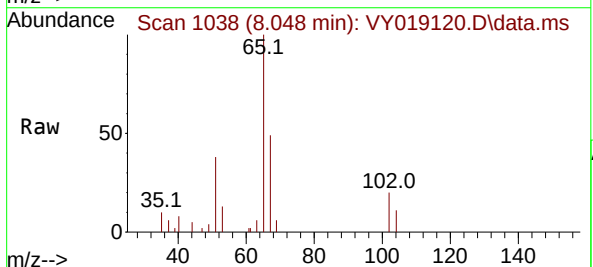


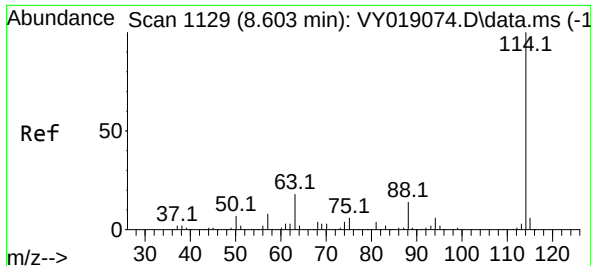
Tgt Ion: 56 Resp: 268
Ion Ratio Lower Upper
56 100
69 230.3 28.7 43.1#
84 167.6 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 40.253 ug/l
RT: 8.048 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY019120.D
Acq: 19 Aug 2024 16:30

Tgt Ion: 65 Resp: 6630
Ion Ratio Lower Upper
65 100
67 58.4 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY019120.D

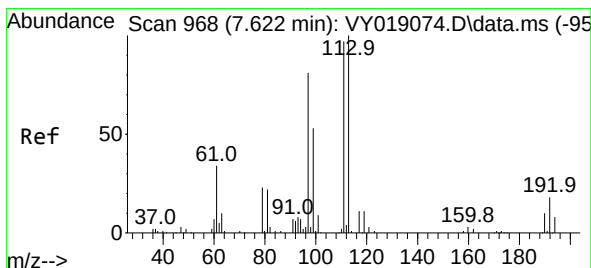
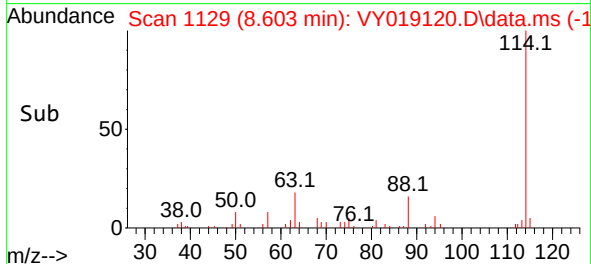
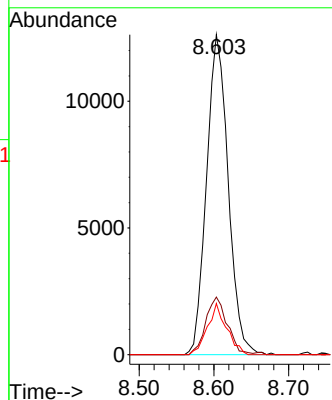
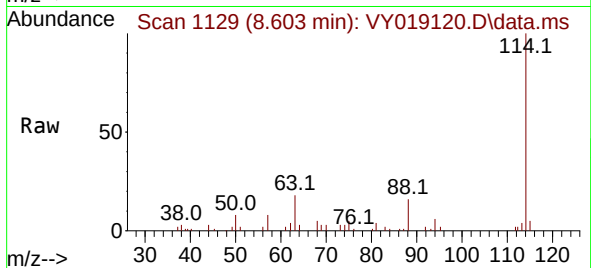
Acq: 19 Aug 2024 16:30

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	25413
Ion	Ratio	Lower Upper
114	100	
63	18.0	0.0 35.0
88	16.0	0.0 27.2



#35

Dibromofluoromethane

Concen: 47.988 ug/l

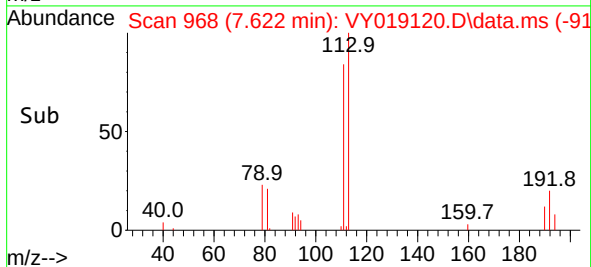
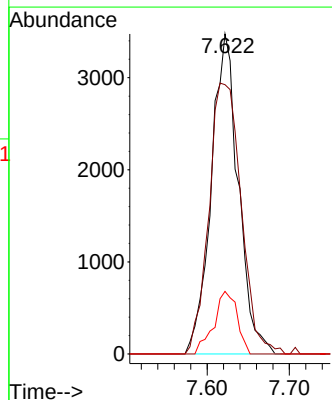
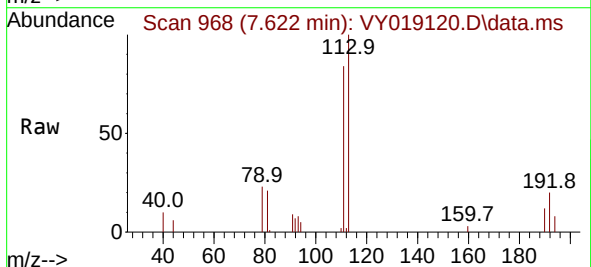
RT: 7.622 min Scan# 968

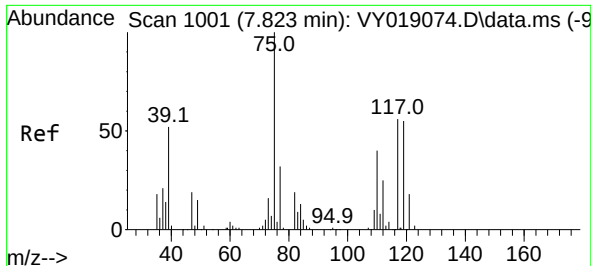
Delta R.T. 0.000 min

Lab File: VY019120.D

Acq: 19 Aug 2024 16:30

Tgt Ion:113	Resp:	7974
Ion	Ratio	Lower Upper
113	100	
111	100.6	82.2 123.4
192	16.8	15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.579 ug/l

RT: 7.695 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY019120.D

Acq: 19 Aug 2024 16:30

Instrument :

MSVOA_Y

ClientSampleId :

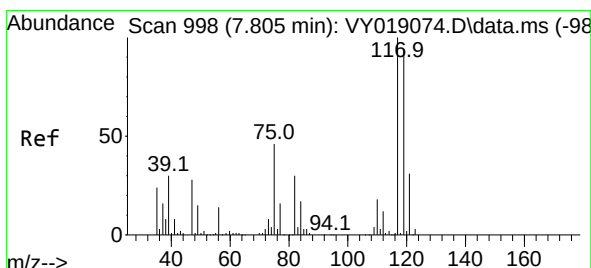
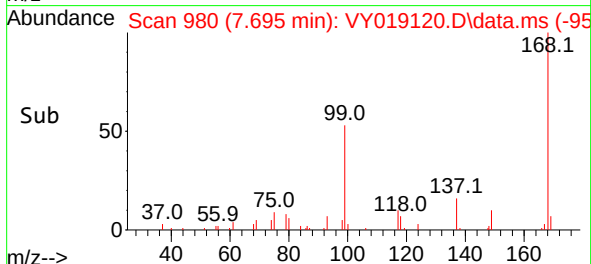
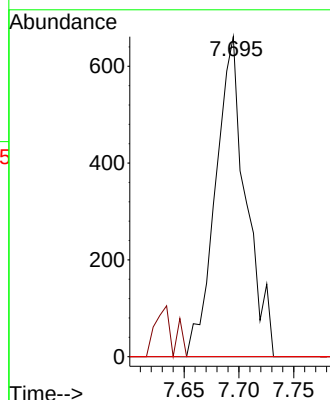
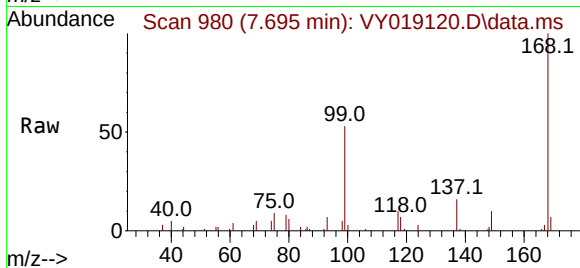
Tgt Ion: 75 Resp: 1273

Ion Ratio Lower Upper

75 100

110 0.0 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.845 ug/l

RT: 7.689 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY019120.D

Acq: 19 Aug 2024 16:30

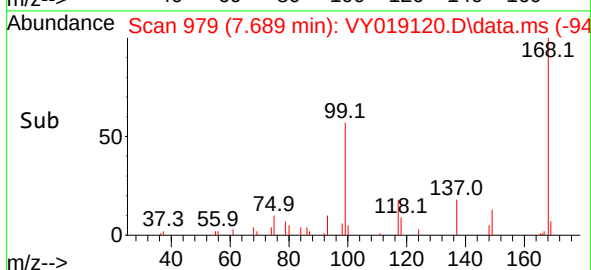
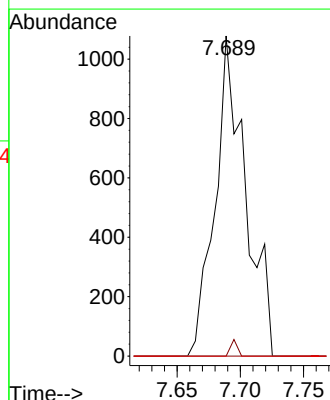
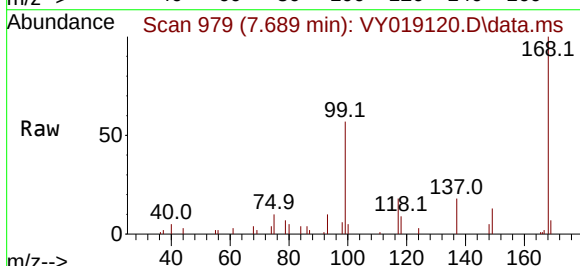
Tgt Ion: 117 Resp: 1810

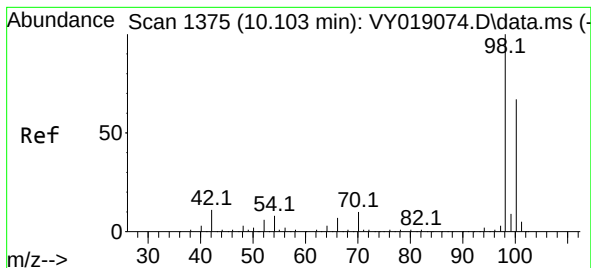
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 45.542 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019120.D

Acq: 19 Aug 2024 16:30

Instrument :

MSVOA_Y

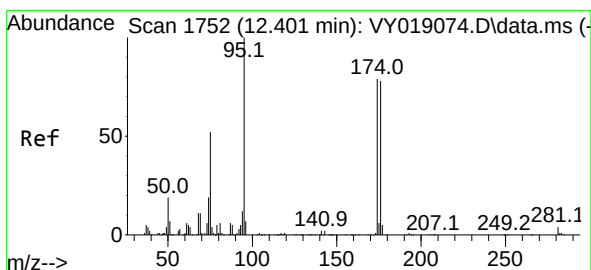
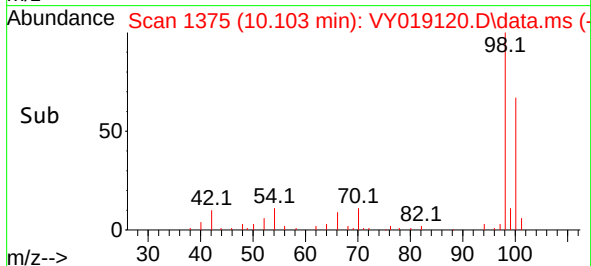
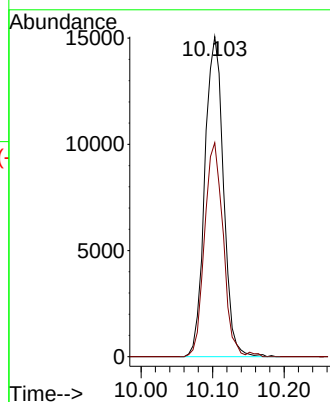
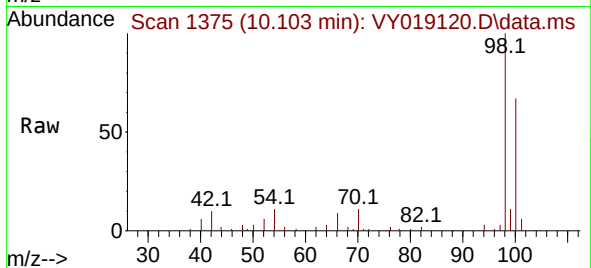
ClientSampleId :

Tgt Ion: 98 Resp: 27233

Ion Ratio Lower Upper

98 100

100 66.5 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 27.859 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY019120.D

Acq: 19 Aug 2024 16:30

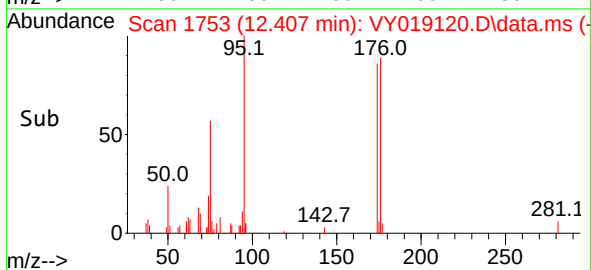
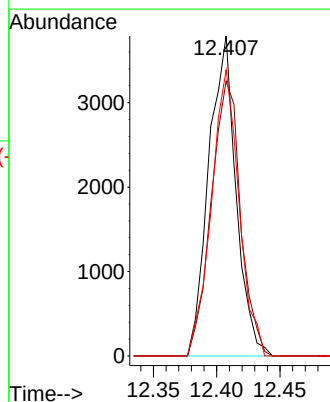
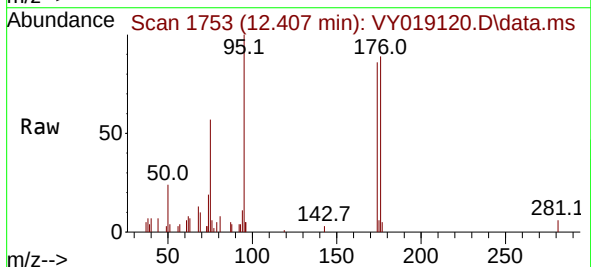
Tgt Ion: 95 Resp: 5679

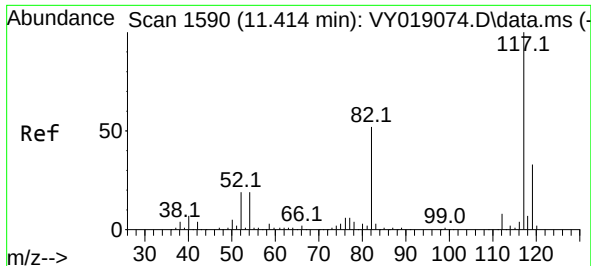
Ion Ratio Lower Upper

95 100

174 92.5 0.0 175.6

176 90.8 0.0 171.4

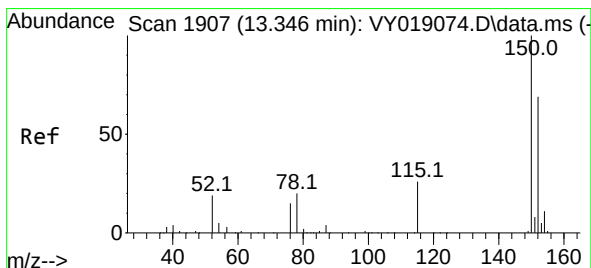
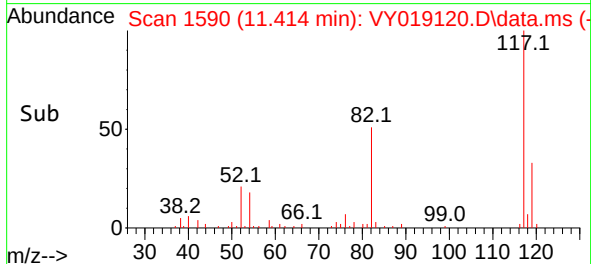
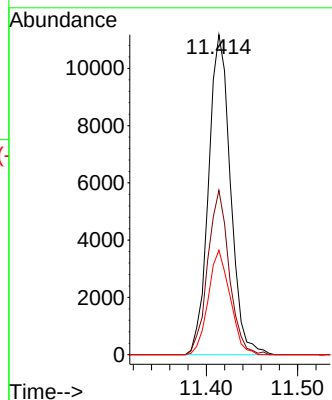
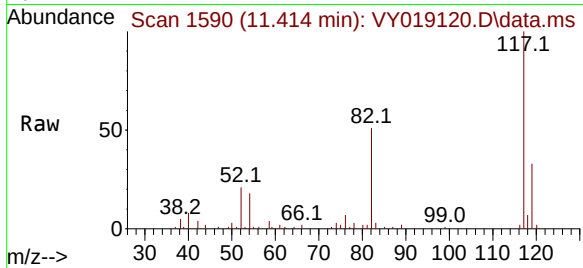




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY019120.D
Acq: 19 Aug 2024 16:30

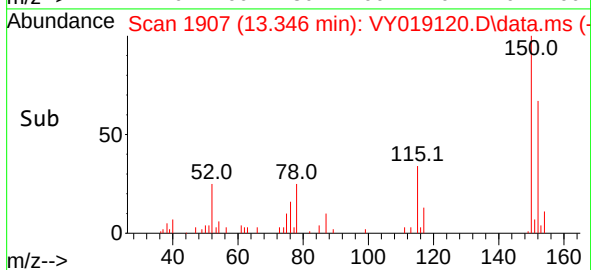
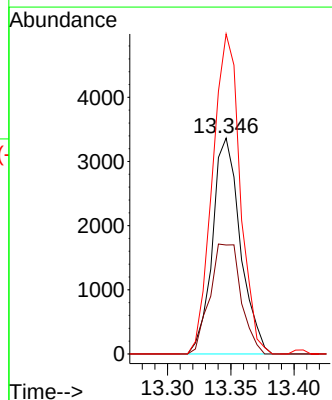
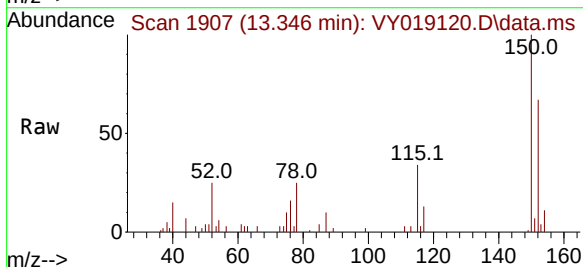
Instrument :
MSVOA_Y
ClientSampleId :

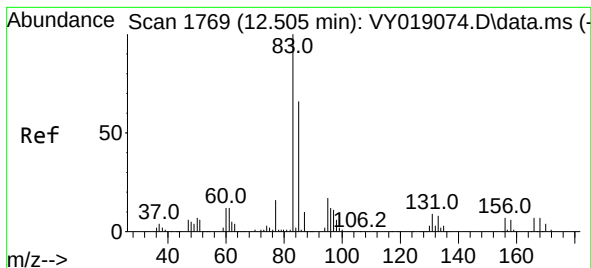
Tgt Ion:117 Resp: 18638
Ion Ratio Lower Upper
117 100
82 51.3 42.4 63.6
119 32.6 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019120.D
Acq: 19 Aug 2024 16:30

Tgt Ion:152 Resp: 5153
Ion Ratio Lower Upper
152 100
115 56.8 28.2 84.7
150 147.0 0.0 345.6





#75

1,1,2,2-Tetrachloroethane

Concen: 3.328 ug/l

RT: 12.712 min Scan# 1753

Delta R.T. 0.207 min

Lab File: VY019120.D

Acq: 19 Aug 2024 16:30

Instrument :

MSVOA_Y

ClientSampleId :

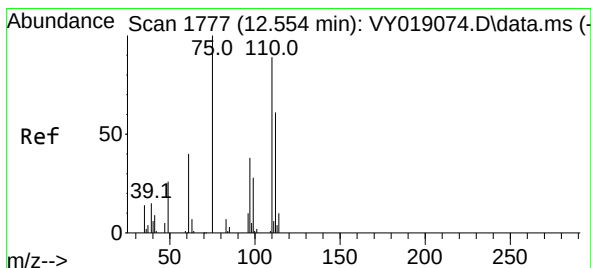
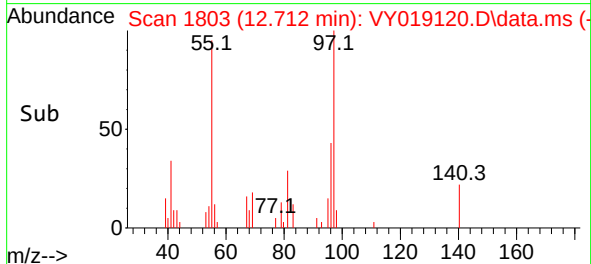
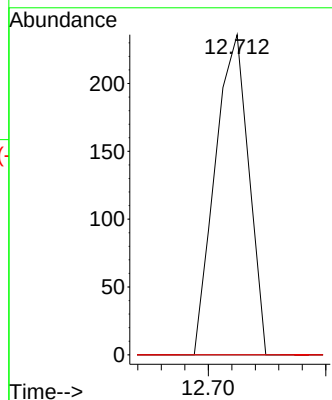
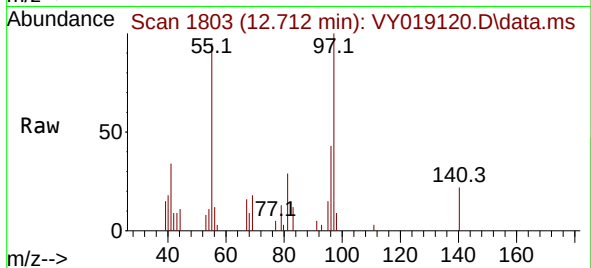
Tgt Ion: 83 Resp: 234

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 0.0 32.0 96.0#



#76

1,2,3-Trichloropropane

Concen: 64.662 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019120.D

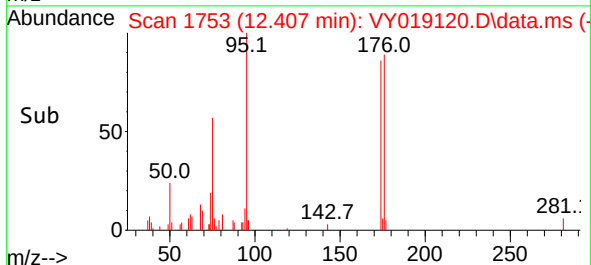
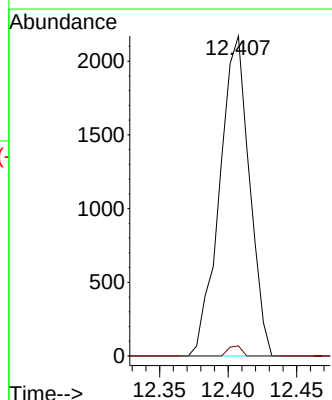
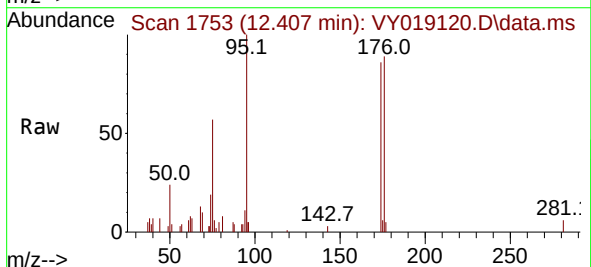
Acq: 19 Aug 2024 16:30

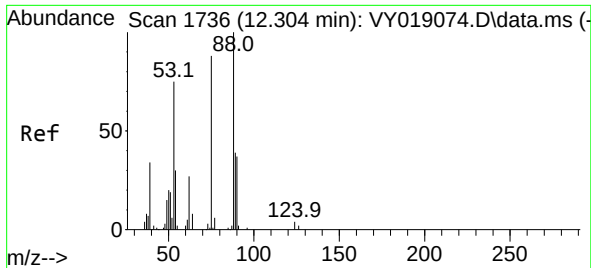
Tgt Ion: 75 Resp: 3286

Ion Ratio Lower Upper

75 100

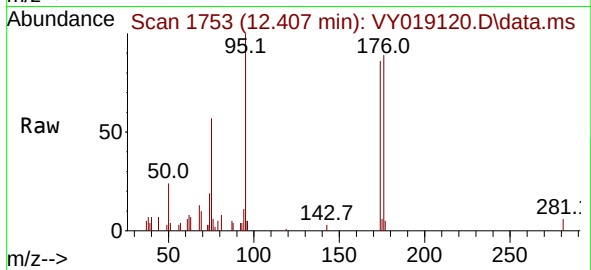
77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 159.694 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY019120.D
Acq: 19 Aug 2024 16:30

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 3286
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

