

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081624\
 Data File : VY019103.D
 Acq On : 16 Aug 2024 19:13
 Operator : SY/MD
 Sample : P3617-06
 Misc : 3.68g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 17 00:09:23 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)

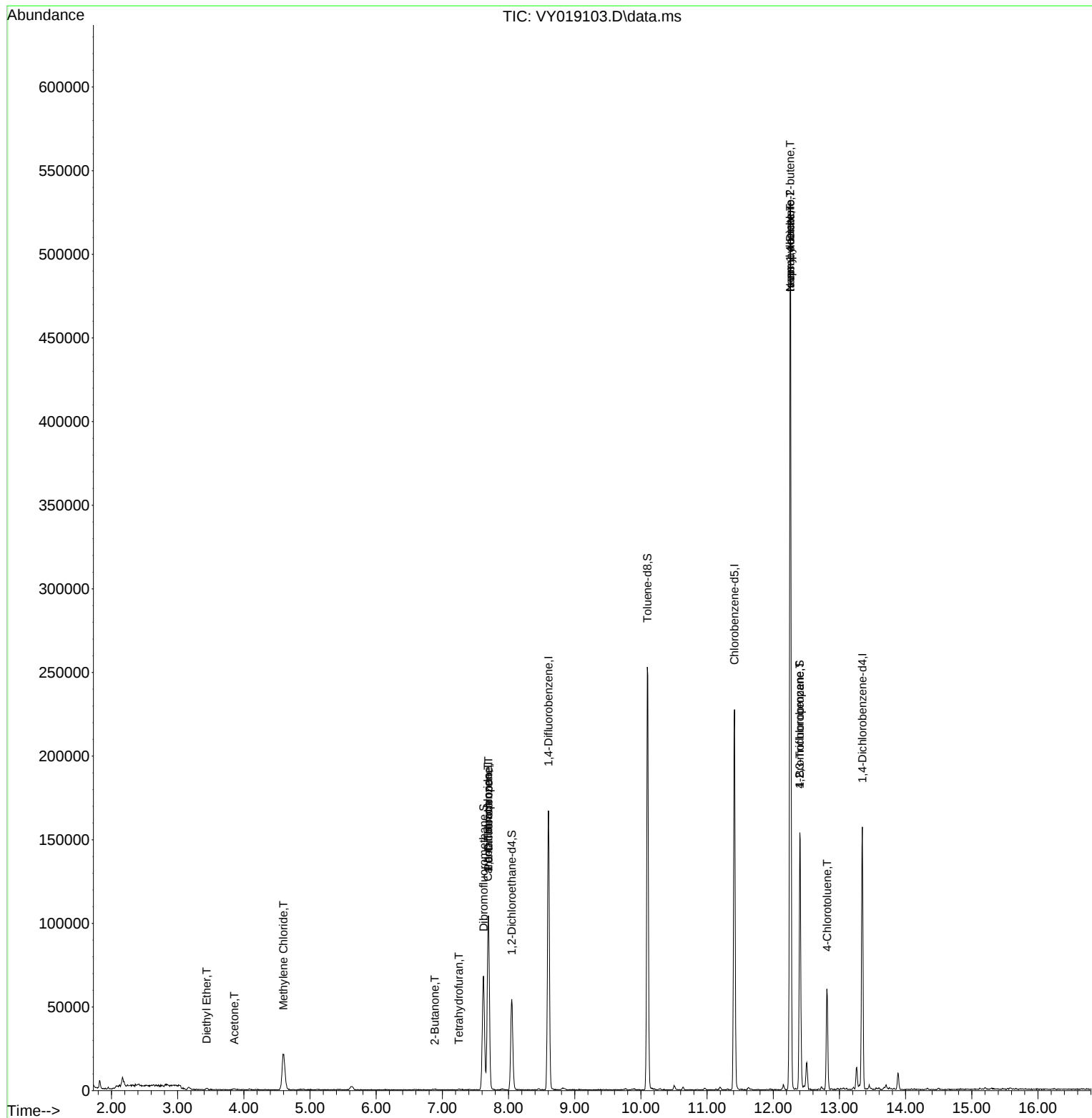
Internal Standards						
1) Pentafluorobenzene	7.695	168	82129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.604	114	144778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	122822	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	40206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	41965	50.973	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.940%
35) Dibromofluoromethane	7.622	113	46942	49.588	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.180%
50) Toluene-d8	10.097	98	165442	48.564	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.120%
62) 4-Bromofluorobenzene	12.402	95	43611	37.553	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	75.100%
Target Compounds						
					Qvalue	
5) Bromomethane	2.598	94	117	Below Cal		87
6) Chloroethane	2.739	64	25	Below Cal	#	42
8) Diethyl Ether	3.440	74	443	1.012	ug/l	98
11) Tert butyl alcohol	4.860	59	212	Below Cal	#	88
16) Acetone	3.854	43	794	5.200	ug/l	# 86
20) Methylene Chloride	4.598	84	15497	7.690	ug/l	90
25) 2-Butanone	6.884	43	342	1.391	ug/l	# 41
29) Tetrahydrofuran	7.250	42	353	2.233	ug/l	# 54
31) Cyclohexane	7.695	56	1822	Below Cal	#	1
36) 1,1-Dichloropropene	7.695	75	6259	4.815	ug/l	# 48
38) Carbon Tetrachloride	7.689	117	8519	5.655	ug/l	# 17
73) Isopropylbenzene	12.255	105	20647	6.700	ug/l	# 65
74) N-amyl acetate	12.255	43	9443	14.053	ug/l	# 15
76) 1,2,3-Trichloropropane	12.402	75	24577	61.984	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.255	75	818	5.095	ug/l	# 1
82) 4-Chlorotoluene	12.816	91	7456	3.470	ug/l	# 39

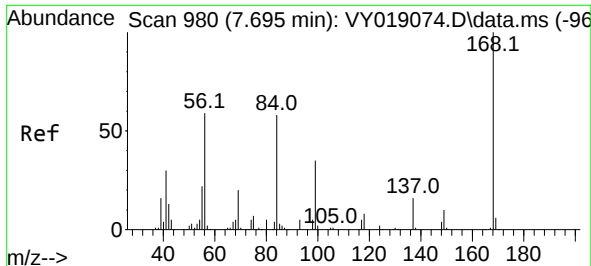
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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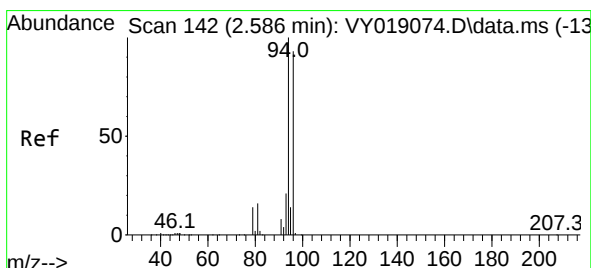
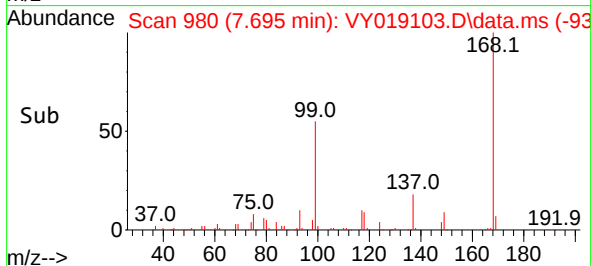
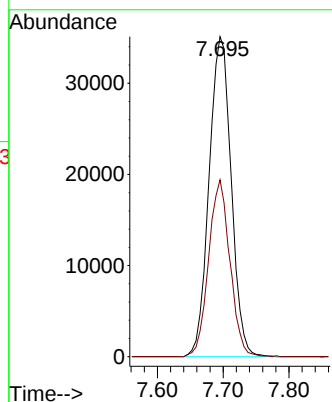
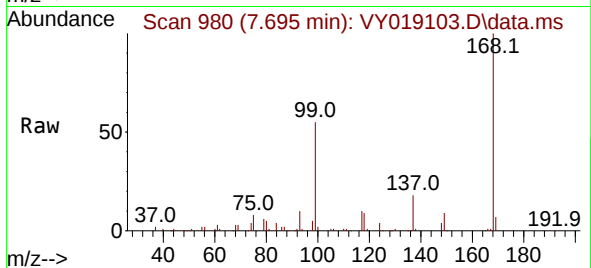




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019103.D
Acq: 16 Aug 2024 19:13

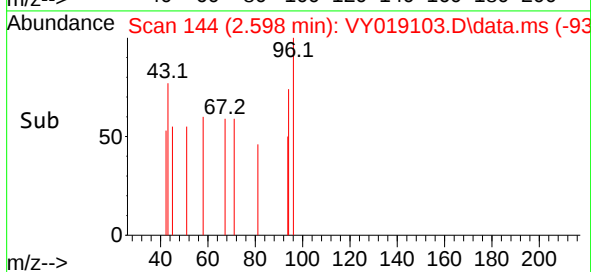
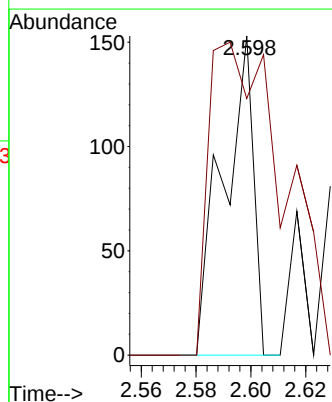
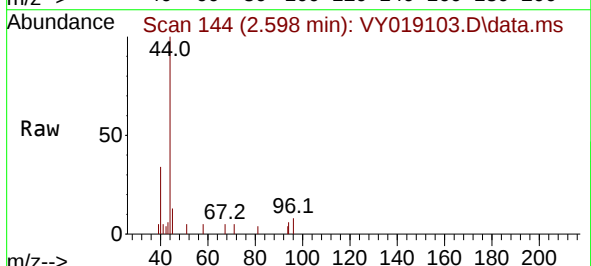
Instrument :
MSVOA_Y
ClientSampleId :

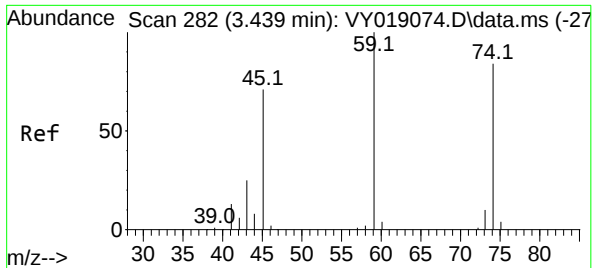
Tgt Ion:168 Resp: 82129
Ion Ratio Lower Upper
168 100
99 55.2 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.598 min Scan# 144
Delta R.T. 0.012 min
Lab File: VY019103.D
Acq: 16 Aug 2024 19:13

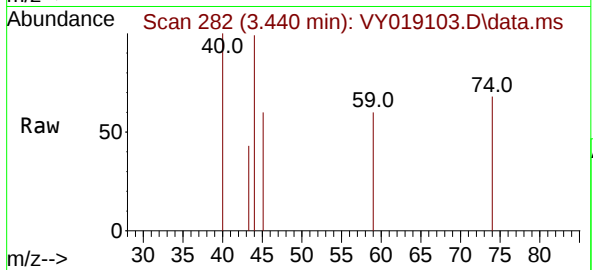
Tgt Ion: 94 Resp: 117
Ion Ratio Lower Upper
94 100
96 80.4 74.1 111.1



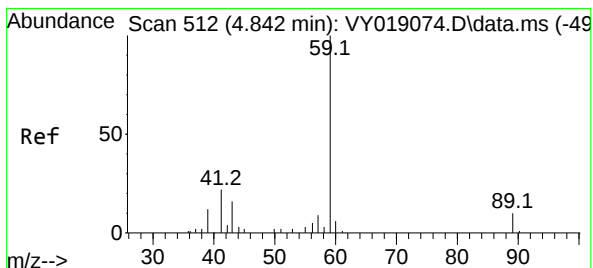
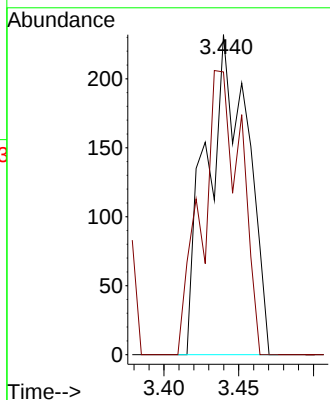
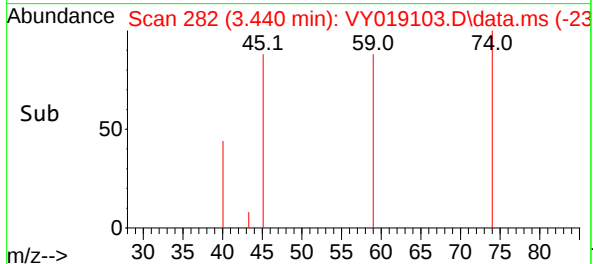


#8
Diethyl Ether
Concen: 1.012 ug/l
RT: 3.440 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY019103.D
Acq: 16 Aug 2024 19:13

Instrument :
MSVOA_Y
ClientSampleId :

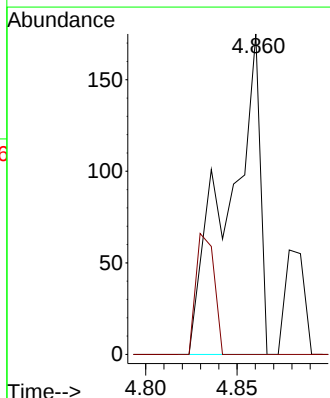
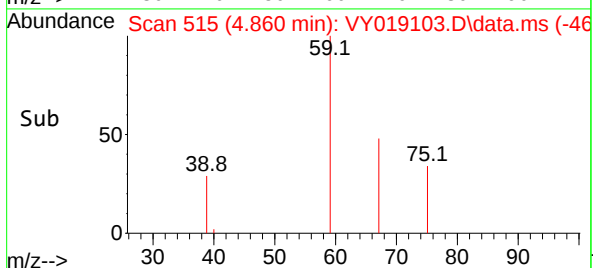
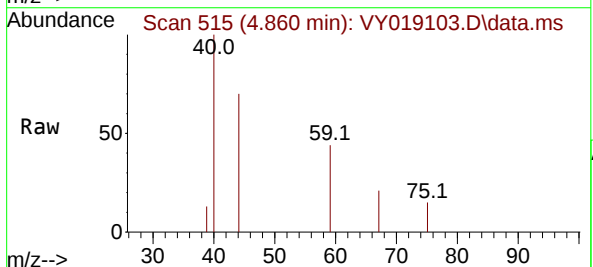


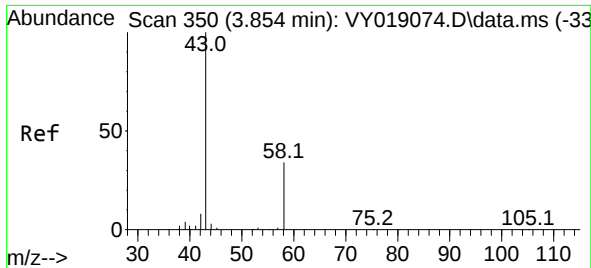
Tgt Ion: 74 Resp: 443
Ion Ratio Lower Upper
74 100
45 84.2 41.3 124.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.860 min Scan# 515
Delta R.T. 0.018 min
Lab File: VY019103.D
Acq: 16 Aug 2024 19:13

Tgt Ion: 59 Resp: 212
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 5.200 ug/l

RT: 3.854 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY019103.D

Acq: 16 Aug 2024 19:13

Instrument :

MSVOA_Y

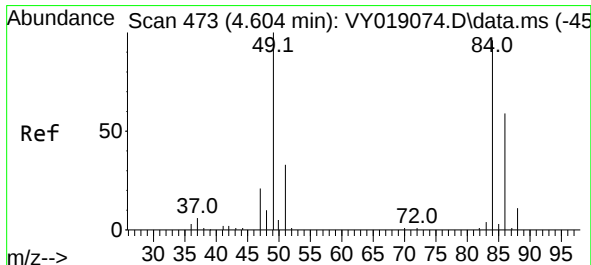
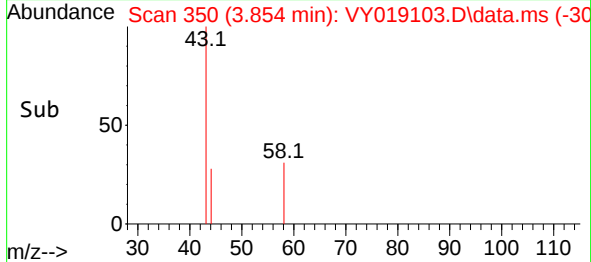
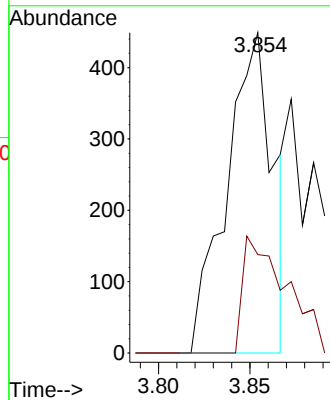
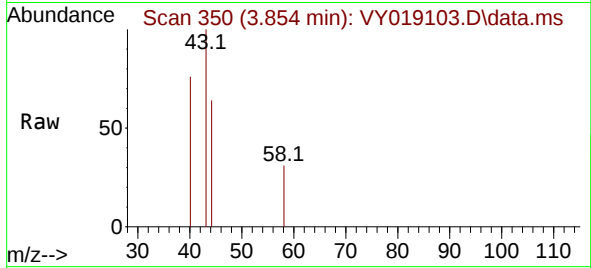
ClientSampleId :

Tgt Ion: 43 Resp: 794

Ion Ratio Lower Upper

43 100

58 30.7 31.7 47.5#



#20

Methylene Chloride

Concen: 7.690 ug/l

RT: 4.598 min Scan# 472

Delta R.T. -0.006 min

Lab File: VY019103.D

Acq: 16 Aug 2024 19:13

Tgt Ion: 84 Resp: 15497

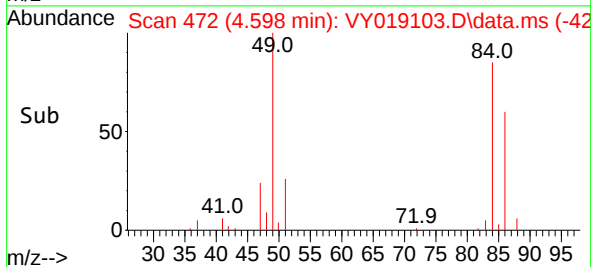
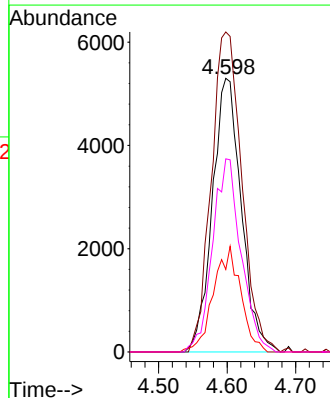
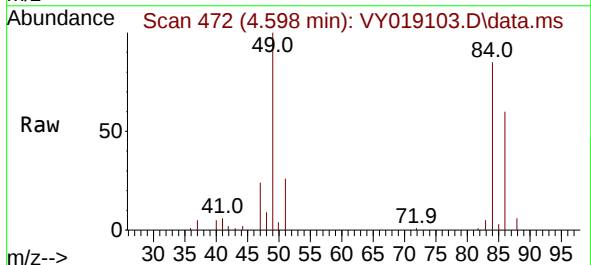
Ion Ratio Lower Upper

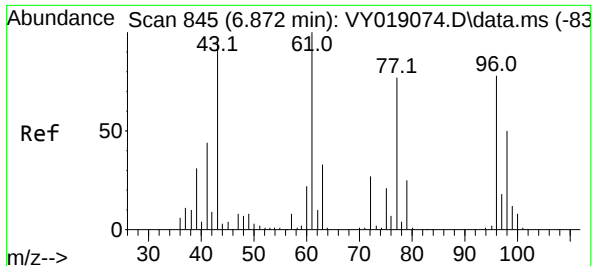
84 100

49 117.0 84.4 126.6

51 30.2 26.0 39.0

86 70.6 49.5 74.3





#25

2-Butanone

Concen: 1.391 ug/l

RT: 6.884 min Scan# 84

Delta R.T. 0.013 min

Lab File: VY019103.D

Acq: 16 Aug 2024 19:13

Instrument :

MSVOA_Y

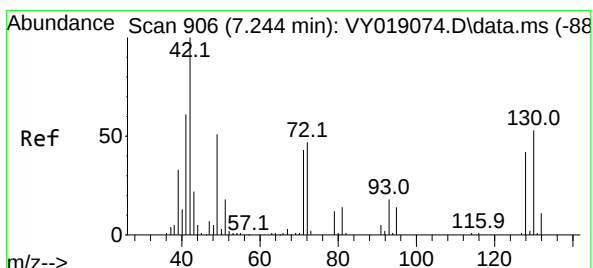
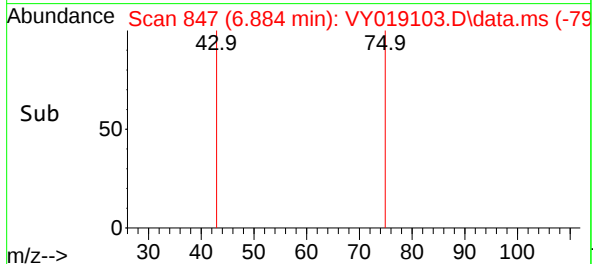
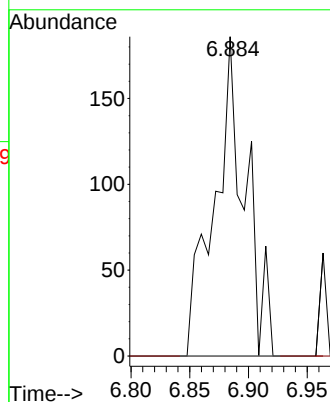
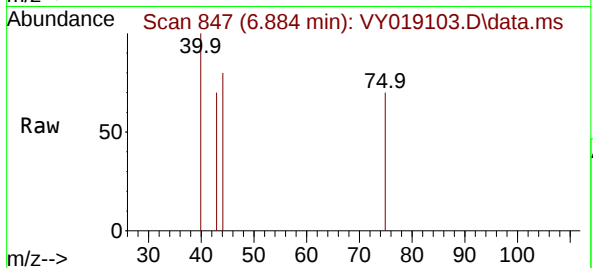
ClientSampleId :

Tgt Ion: 43 Resp: 342

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#29

Tetrahydrofuran

Concen: 2.233 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY019103.D

Acq: 16 Aug 2024 19:13

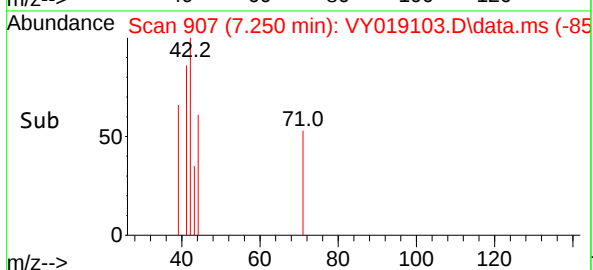
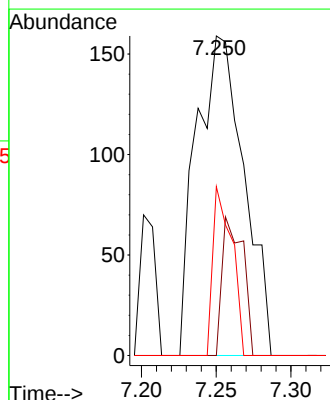
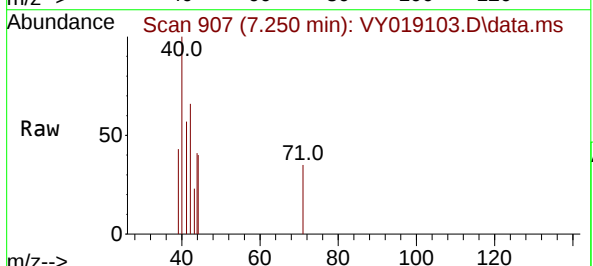
Tgt Ion: 42 Resp: 353

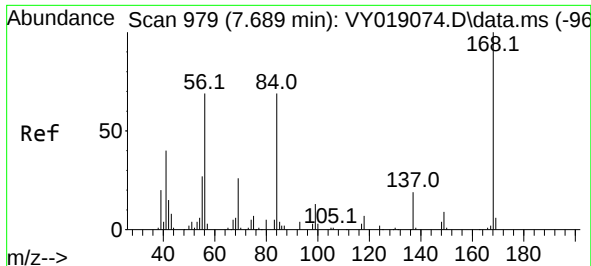
Ion Ratio Lower Upper

42 100

72 19.0 43.0 64.4#

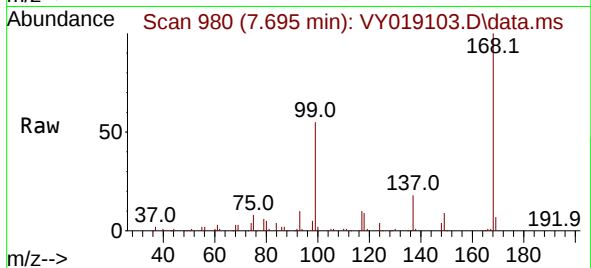
71 21.2 40.8 61.2#



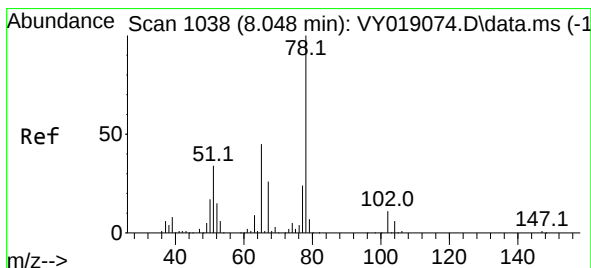
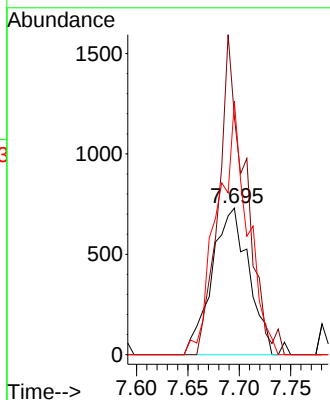
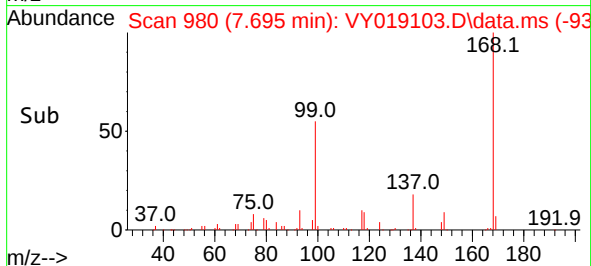


#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019103.D
Acq: 16 Aug 2024 19:13

Instrument :
MSVOA_Y
ClientSampleId :

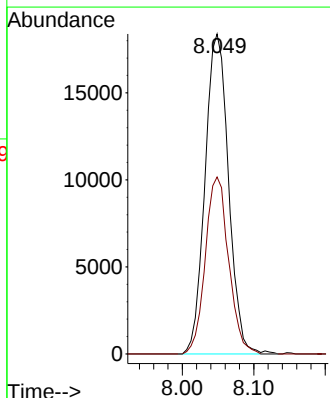
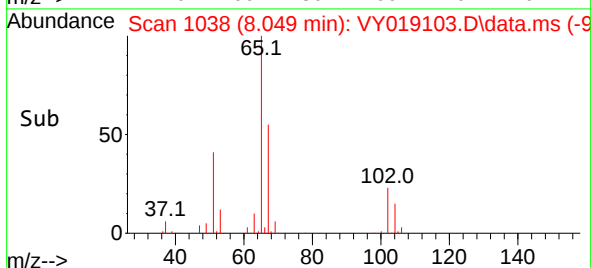
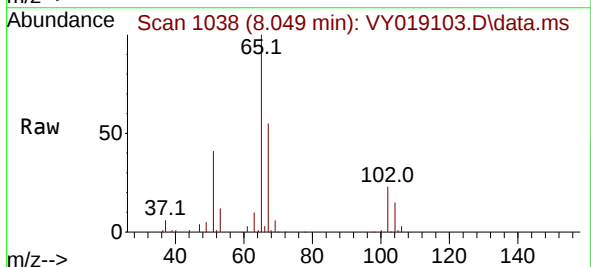


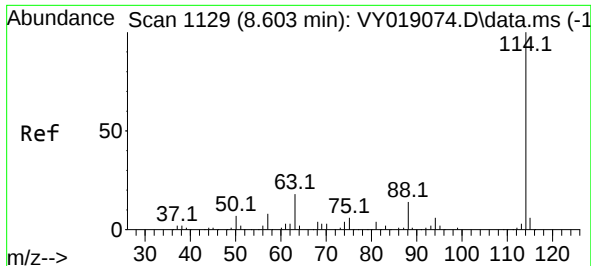
Tgt Ion: 56 Resp: 1822
Ion Ratio Lower Upper
56 100
69 162.3 28.7 43.1#
84 172.9 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 50.973 ug/l
RT: 8.049 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY019103.D
Acq: 16 Aug 2024 19:13

Tgt Ion: 65 Resp: 41965
Ion Ratio Lower Upper
65 100
67 54.9 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.604 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY019103.D

Acq: 16 Aug 2024 19:13

Instrument :

MSVOA_Y

ClientSampleId :

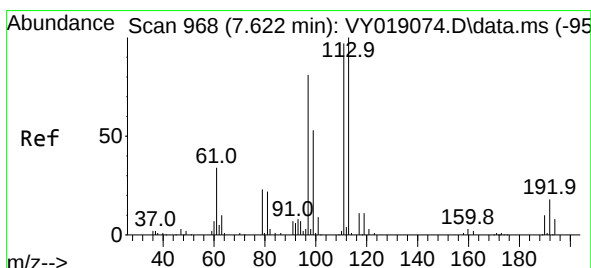
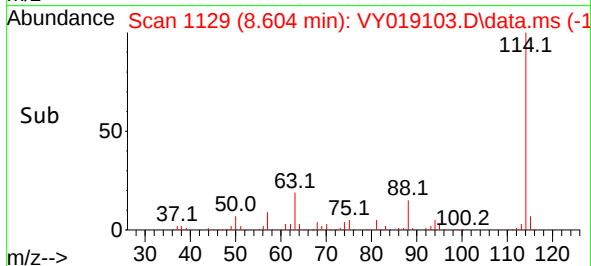
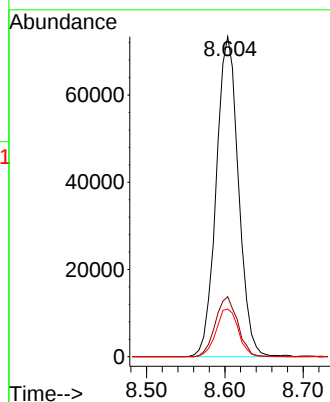
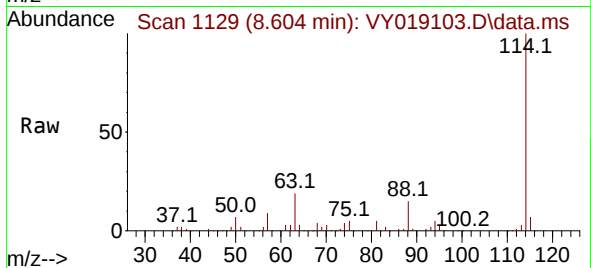
Tgt Ion:114 Resp: 144778

Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.0

88 14.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.588 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY019103.D

Acq: 16 Aug 2024 19:13

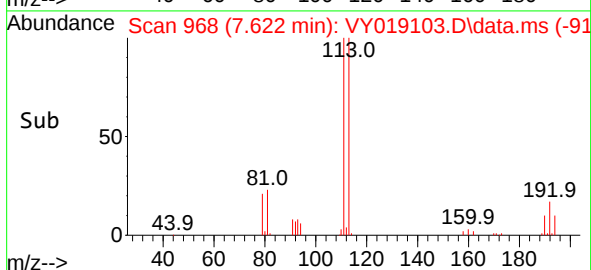
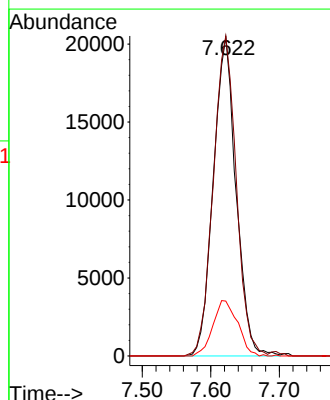
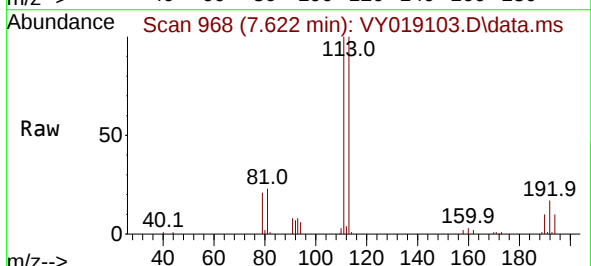
Tgt Ion:113 Resp: 46942

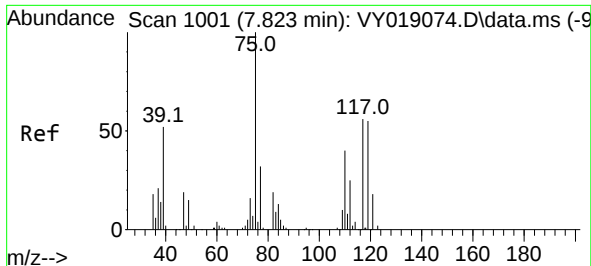
Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.4

192 19.0 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.815 ug/l

RT: 7.695 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY019103.D

Acq: 16 Aug 2024 19:13

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ClientSampleId :

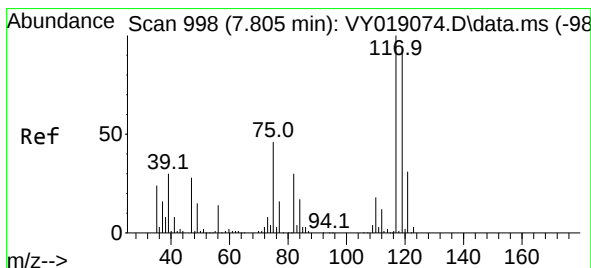
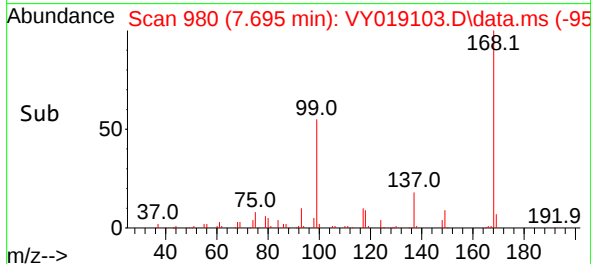
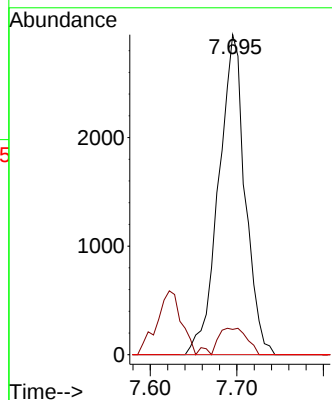
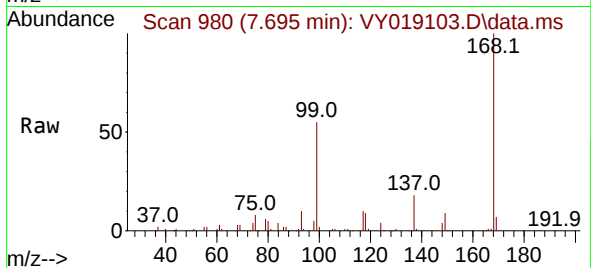
Tgt Ion: 75 Resp: 6259

Ion Ratio Lower Upper

75 100

110 8.7 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.655 ug/l

RT: 7.689 min Scan# 979

Delta R.T. -0.115 min

Lab File: VY019103.D

Acq: 16 Aug 2024 19:13

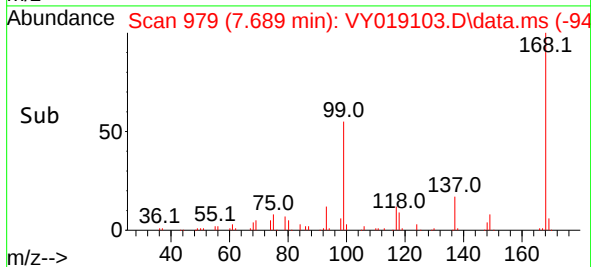
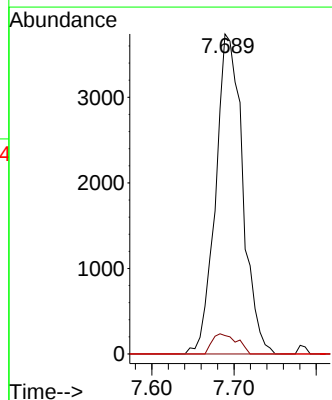
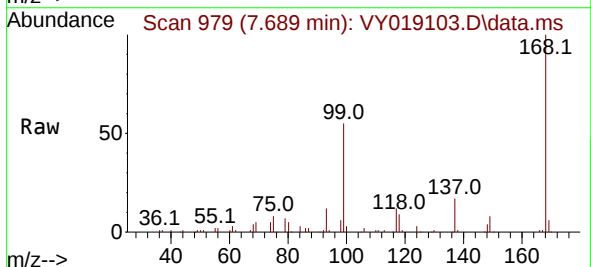
Tgt Ion: 117 Resp: 8519

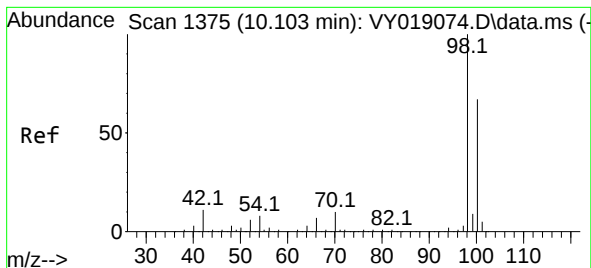
Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 48.564 ug/l

RT: 10.097 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019103.D

Acq: 16 Aug 2024 19:13

Instrument :

MSVOA_Y

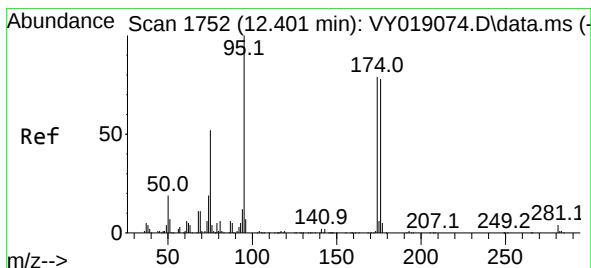
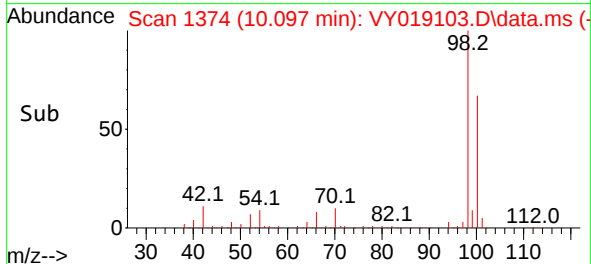
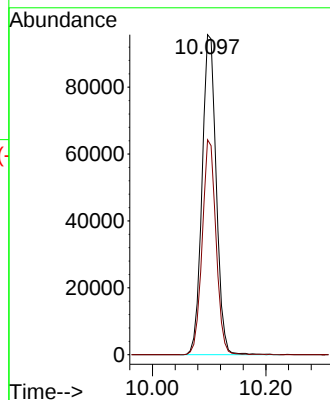
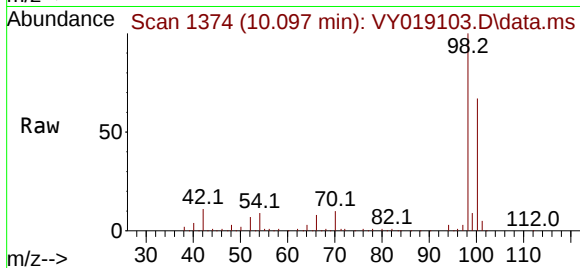
ClientSampleId :

Tgt Ion: 98 Resp: 165442

Ion Ratio Lower Upper

98 100

100 65.3 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 37.553 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY019103.D

Acq: 16 Aug 2024 19:13

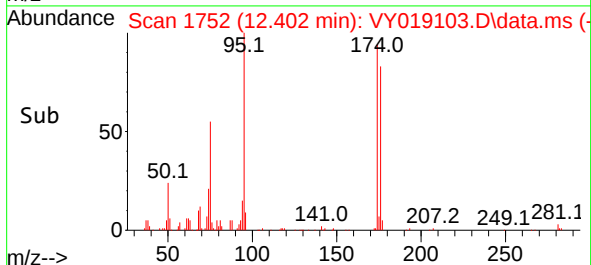
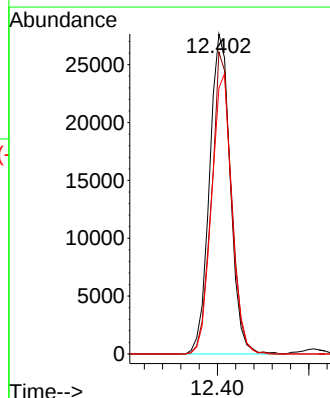
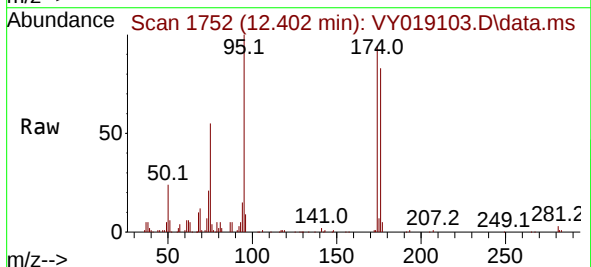
Tgt Ion: 95 Resp: 43611

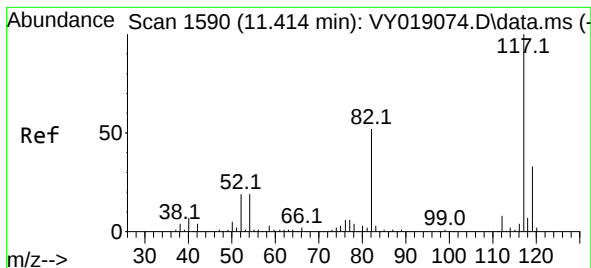
Ion Ratio Lower Upper

95 100

174 90.0 0.0 175.6

176 85.6 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019103.D

Acq: 16 Aug 2024 19:13

Instrument :

MSVOA_Y

ClientSampleId :

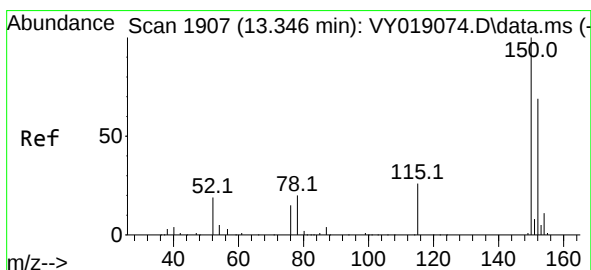
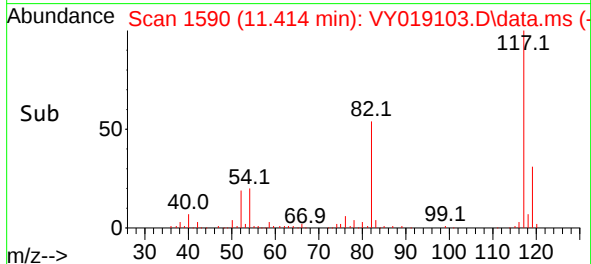
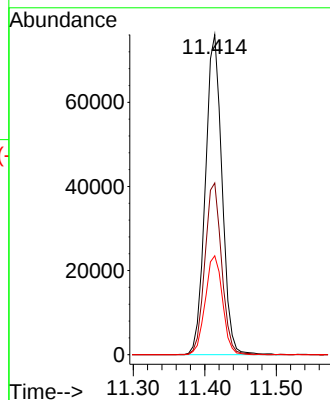
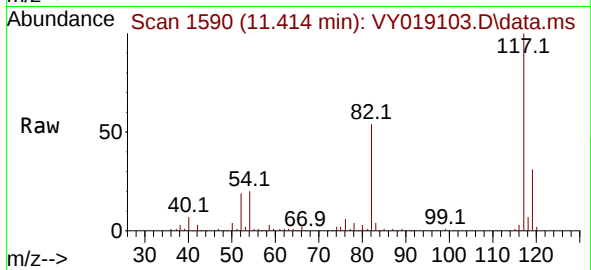
Tgt Ion:117 Resp: 122822

Ion Ratio Lower Upper

117 100

82 53.5 42.4 63.6

119 30.9 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019103.D

Acq: 16 Aug 2024 19:13

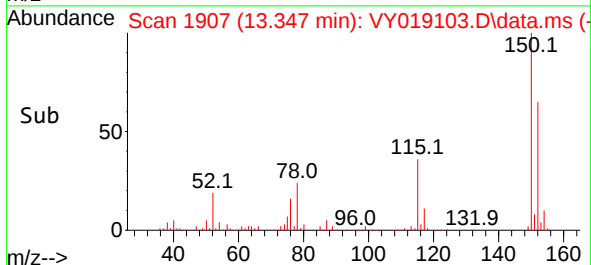
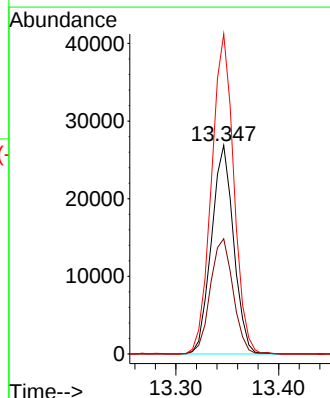
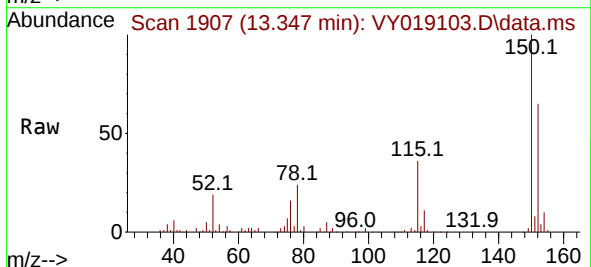
Tgt Ion:152 Resp: 40206

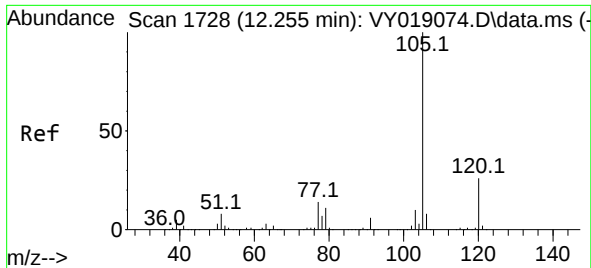
Ion Ratio Lower Upper

152 100

115 56.9 28.2 84.7

150 154.3 0.0 345.6

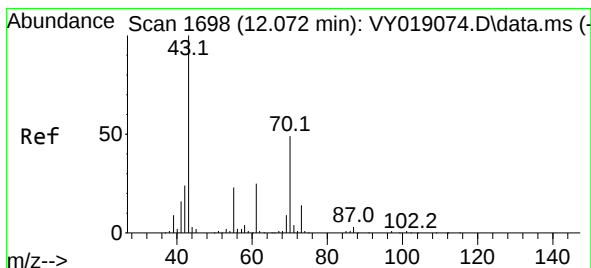
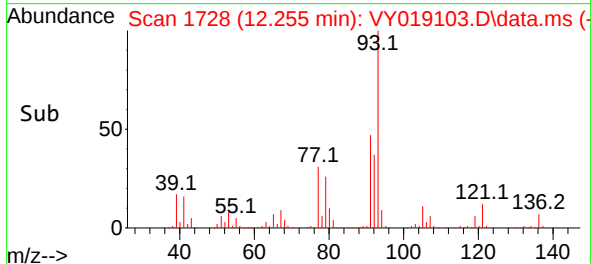
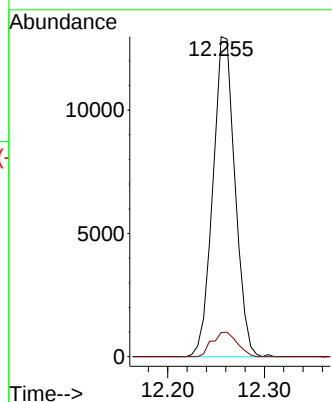
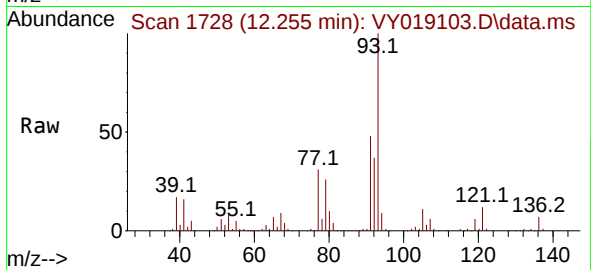




#73
Isopropylbenzene
Concen: 6.700 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY019103.D
Acq: 16 Aug 2024 19:13

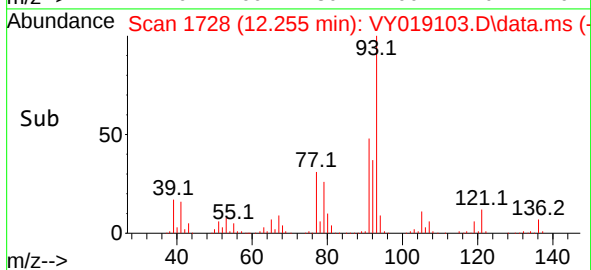
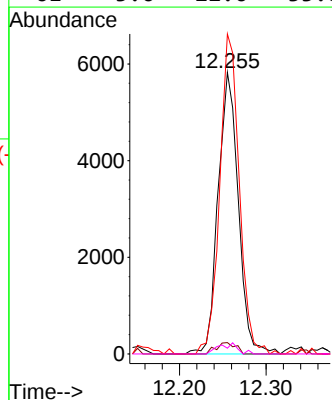
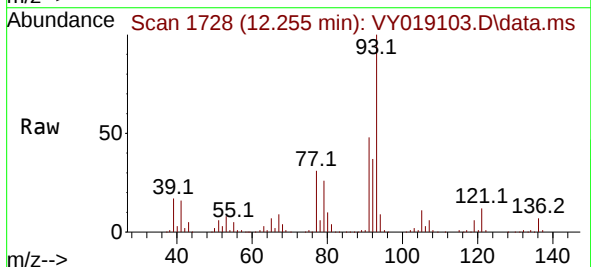
Instrument :
MSVOA_Y
ClientSampleId :

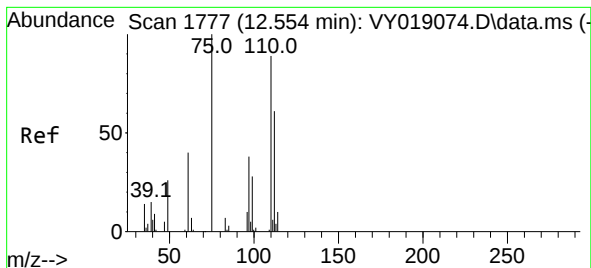
Tgt Ion:105 Resp: 20647
Ion Ratio Lower Upper
105 100
120 8.7 13.4 40.1#



#74
N-ethyl acetate
Concen: 14.053 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.183 min
Lab File: VY019103.D
Acq: 16 Aug 2024 19:13

Tgt Ion: 43 Resp: 9443
Ion Ratio Lower Upper
43 100
70 3.9 41.4 62.2#
55 109.9 23.3 34.9#
61 3.6 22.6 33.8#

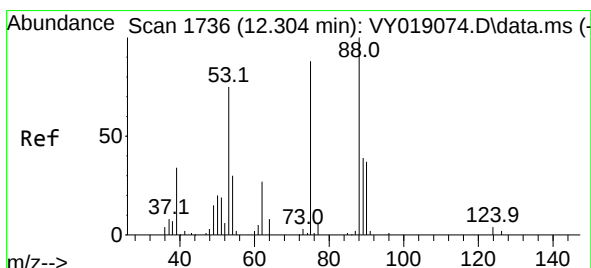
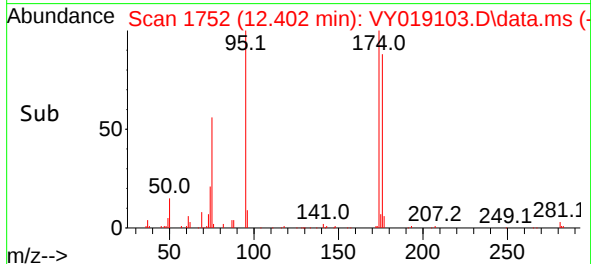
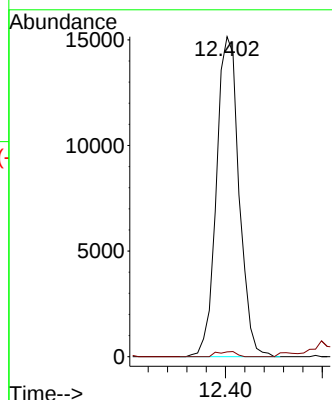
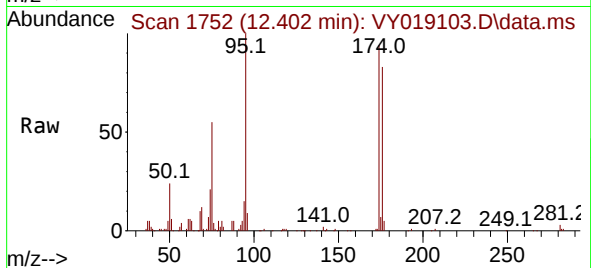




#76
1,2,3-Trichloropropane
Concen: 61.984 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY019103.D
Acq: 16 Aug 2024 19:13

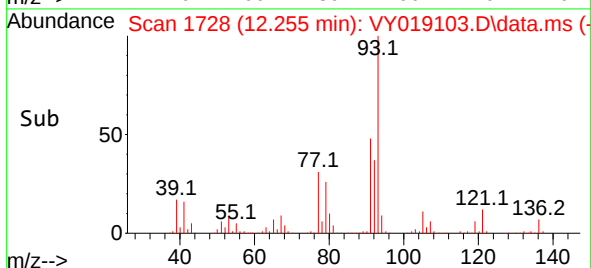
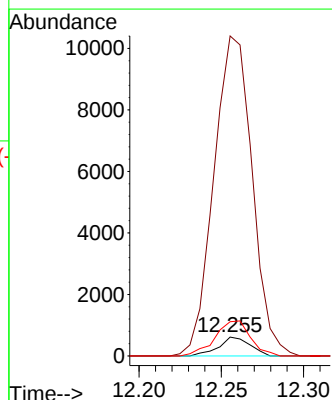
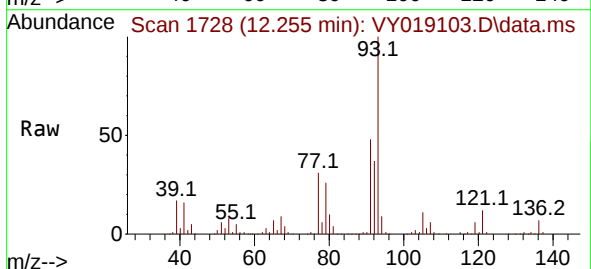
Instrument :
MSVOA_Y
ClientSampleId :

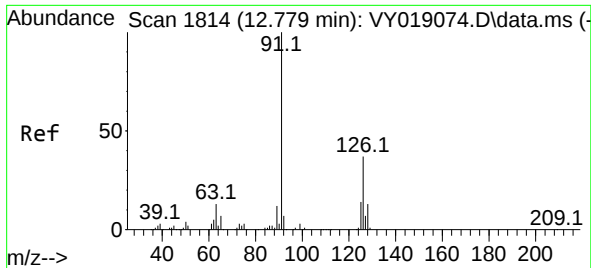
Tgt Ion: 75 Resp: 24577
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 5.095 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.048 min
Lab File: VY019103.D
Acq: 16 Aug 2024 19:13

Tgt Ion: 75 Resp: 818
Ion Ratio Lower Upper
75 100
53 2068.0 66.8 100.2#
89 210.1 35.8 53.6#





#82

4-Chlorotoluene

Concen: 3.470 ug/l

RT: 12.816 min Scan# 11

Delta R.T. 0.037 min

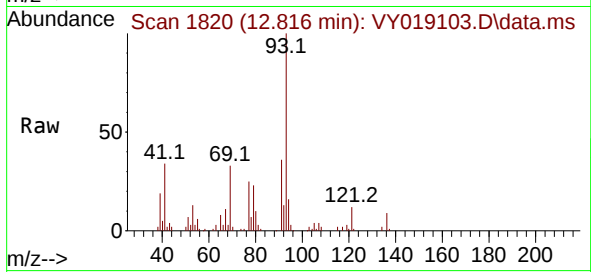
Lab File: VY019103.D

Acq: 16 Aug 2024 19:13

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 91 Resp: 7456

Ion Ratio Lower Upper

91 100

126 0.0 17.6 52.9#

