

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092624\
 Data File : VY019711.D
 Acq On : 26 Sep 2024 14:17
 Operator : SY/MD
 Sample : P4197-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 27 02:02:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

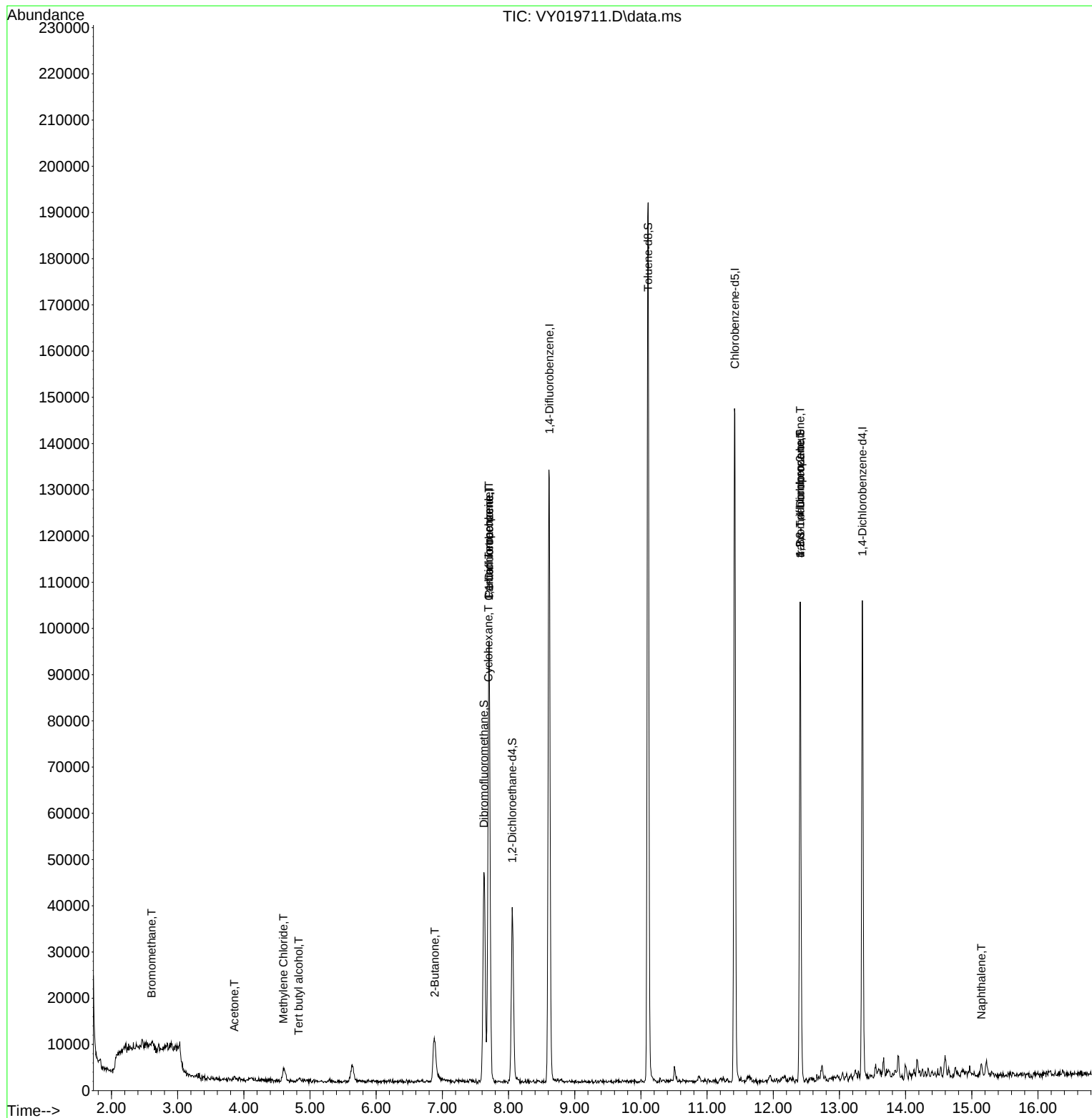
Internal Standards						
1) Pentafluorobenzene	7.707	168	71174	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	113759	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	81128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	24506	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	29941	45.430	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 90.860%			
35) Dibromofluoromethane	7.628	113	32645	50.613	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.220%			
50) Toluene-d8	10.109	98	126560	53.050	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.100%			
62) 4-Bromofluorobenzene	12.407	95	31667	34.522	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 69.040%			
Target Compounds						
						Qvalue
5) Bromomethane	2.604	94	405	1.035	ug/l	# 3
11) Tert butyl alcohol	4.830	59	673	12.645	ug/l	# 88
13) Acrolein	3.616	56	31	Below Cal		# 1
16) Acetone	3.854	43	658	4.191	ug/l	# 36
20) Methylene Chloride	4.598	84	977	1.364	ug/l	# 89
25) 2-Butanone	6.884	43	806	3.609	ug/l	# 41
31) Cyclohexane	7.695	56	1815	1.539	ug/l	# 49
36) 1,1-Dichloropropene	7.701	75	6327	7.209	ug/l	# 49
38) Carbon Tetrachloride	7.701	117	7577	7.656	ug/l	# 14
76) 1,2,3-Trichloropropane	12.407	75	17354	75.553	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.407	75	17354	145.040	ug/l	# 16
95) Naphthalene	15.145	128	2467	2.963	ug/l	# 90

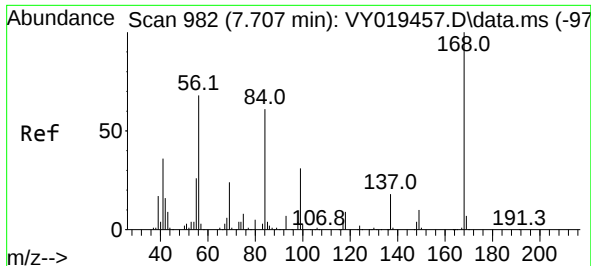
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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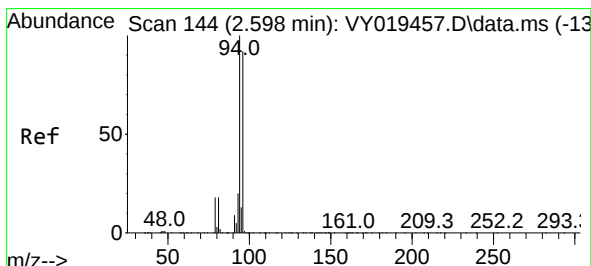
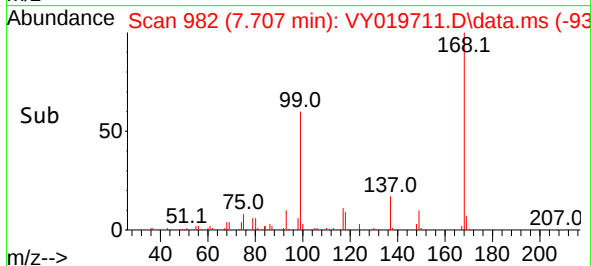
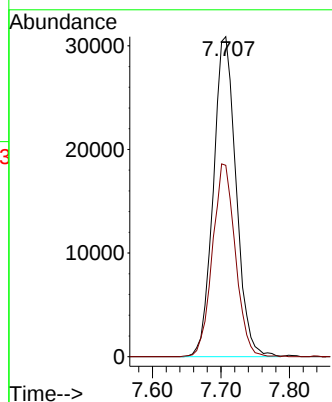
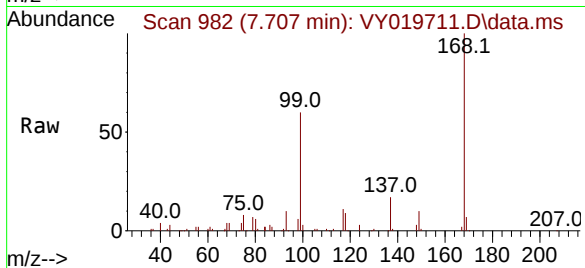




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019711.D
Acq: 26 Sep 2024 14:17

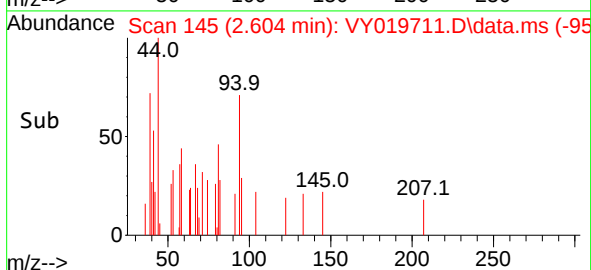
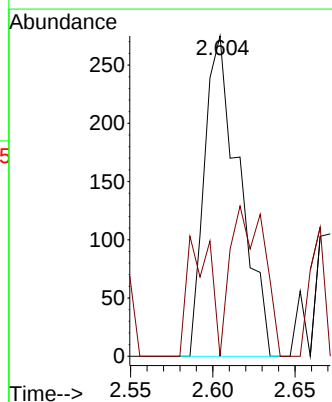
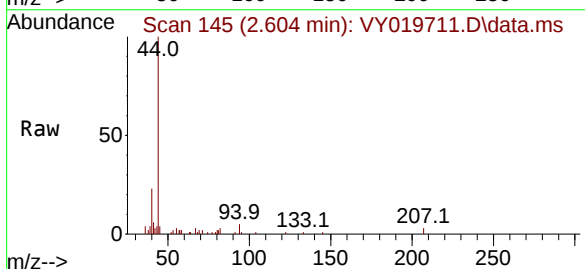
Instrument :
MSVOA_Y
ClientSampleId :

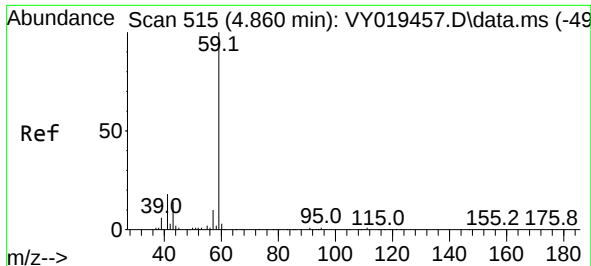
Tgt Ion:168 Resp: 71174
Ion Ratio Lower Upper
168 100
99 59.8 39.1 58.7#



#5
Bromomethane
Concen: 1.035 ug/l
RT: 2.604 min Scan# 145
Delta R.T. 0.006 min
Lab File: VY019711.D
Acq: 26 Sep 2024 14:17

Tgt Ion: 94 Resp: 405
Ion Ratio Lower Upper
94 100
96 0.0 74.1 111.1#

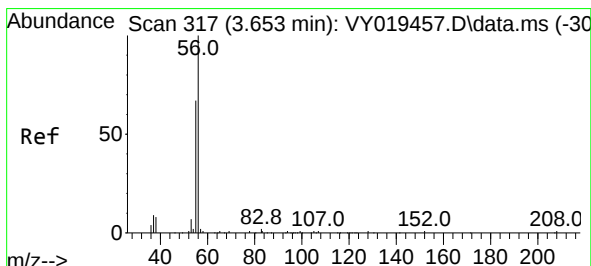
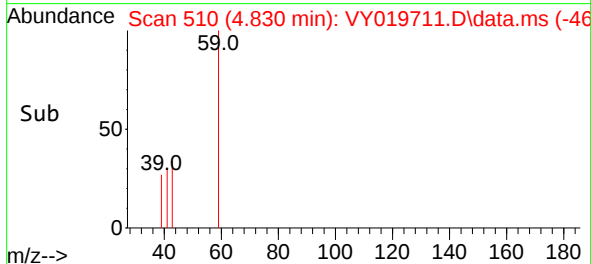
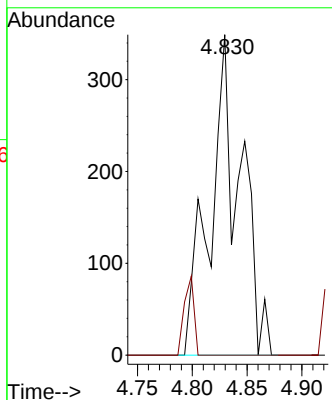
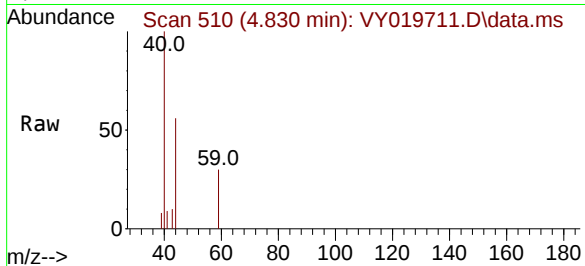




#11
Tert butyl alcohol
Concen: 12.645 ug/l
RT: 4.830 min Scan# 515
Delta R.T. -0.030 min
Lab File: VY019711.D
Acq: 26 Sep 2024 14:17

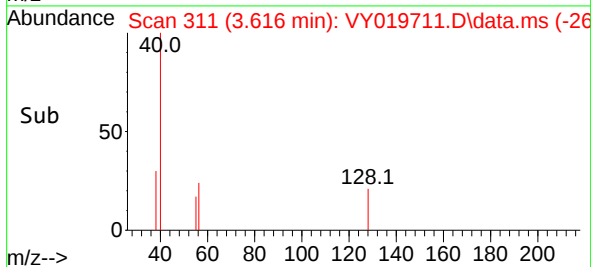
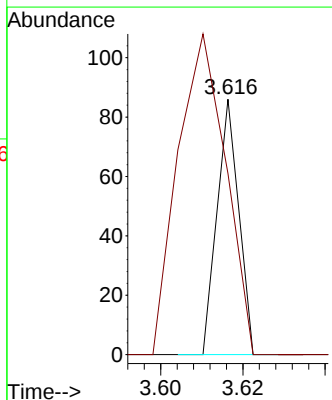
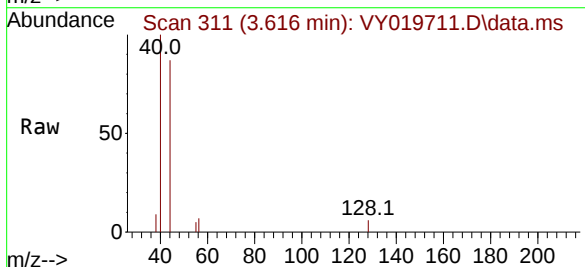
Instrument :
MSVOA_Y
ClientSampleId :

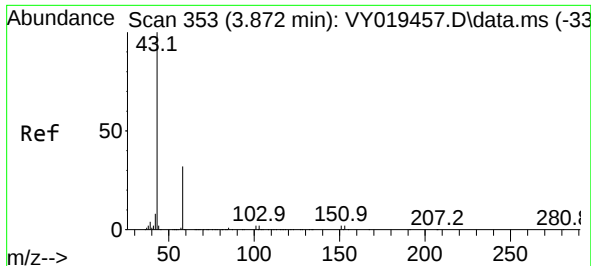
Tgt Ion: 59 Resp: 673
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



#13
Acrolein
Concen: Below Cal
RT: 3.616 min Scan# 311
Delta R.T. -0.037 min
Lab File: VY019711.D
Acq: 26 Sep 2024 14:17

Tgt Ion: 56 Resp: 31
Ion Ratio Lower Upper
56 100
55 280.6 55.7 83.5#

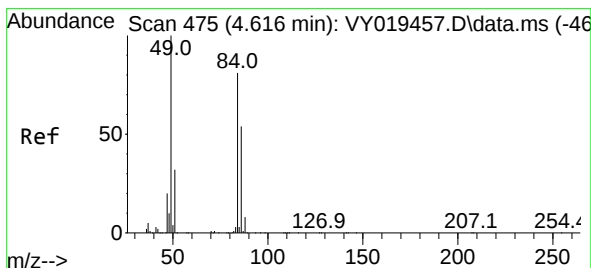
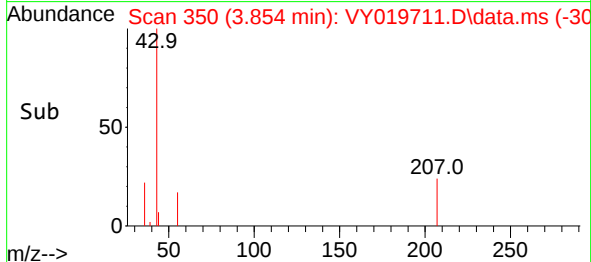
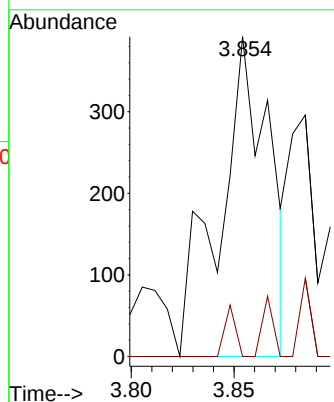
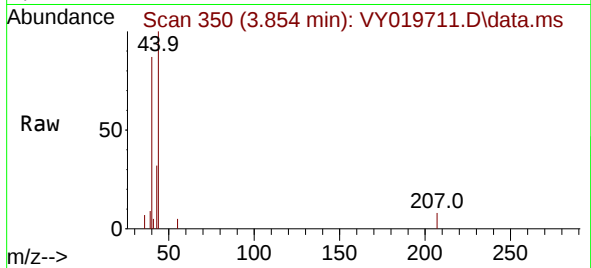




#16
Acetone
Concen: 4.191 ug/l
RT: 3.854 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY019711.D
Acq: 26 Sep 2024 14:17

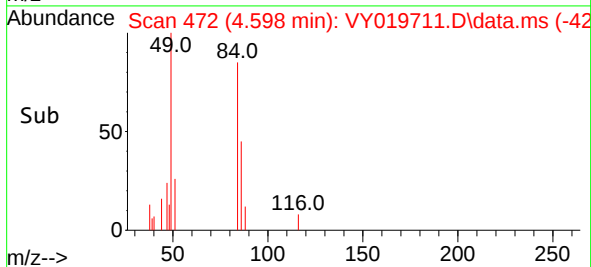
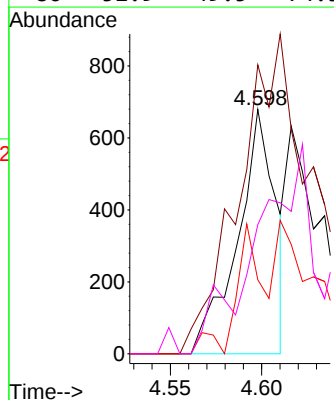
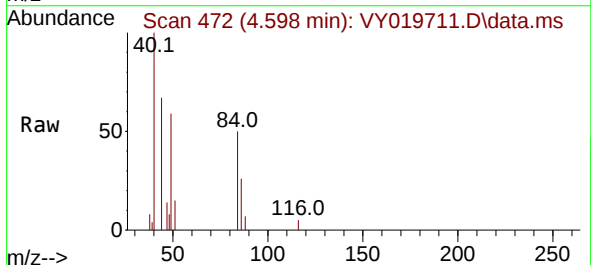
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 658
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



#20
Methylene Chloride
Concen: 1.364 ug/l
RT: 4.598 min Scan# 472
Delta R.T. -0.018 min
Lab File: VY019711.D
Acq: 26 Sep 2024 14:17

Tgt Ion: 84 Resp: 977
Ion Ratio Lower Upper
84 100
49 118.3 84.4 126.6
51 30.3 26.0 39.0
86 52.9 49.5 74.3





#25

2-Butanone

Concen: 3.609 ug/l

RT: 6.884 min Scan# 84

Delta R.T. -0.006 min

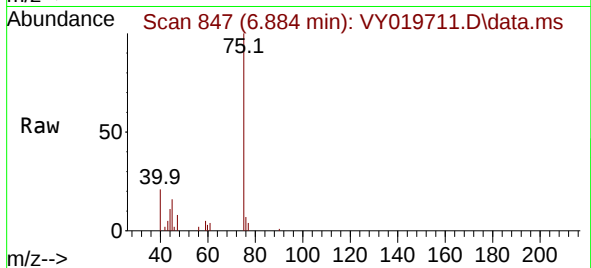
Lab File: VY019711.D

Acq: 26 Sep 2024 14:17

Instrument :

MSVOA_Y

ClientSampleId :

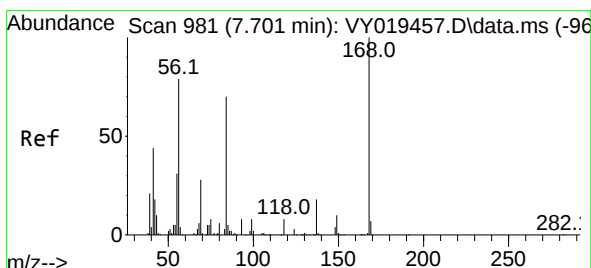
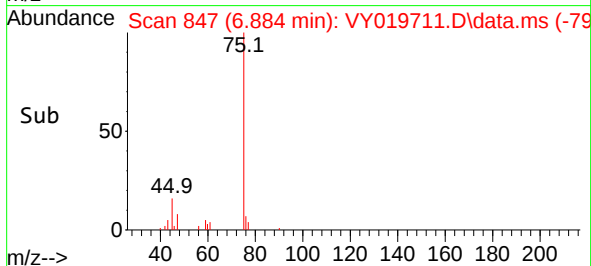
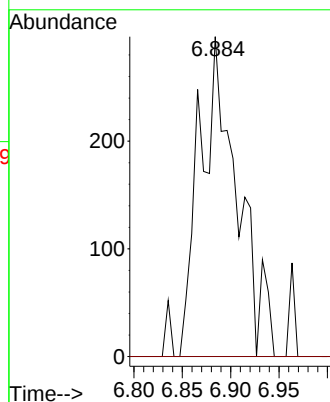


Tgt Ion: 43 Resp: 806

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: 1.539 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.006 min

Lab File: VY019711.D

Acq: 26 Sep 2024 14:17

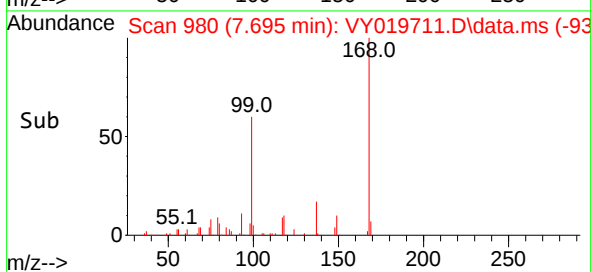
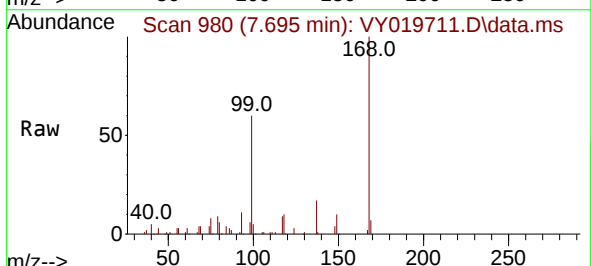
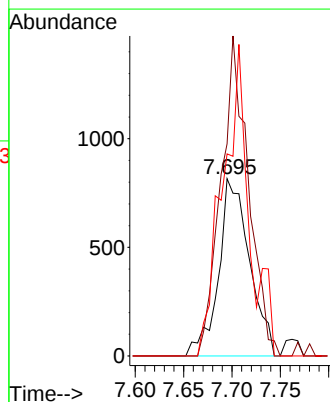
Tgt Ion: 56 Resp: 1815

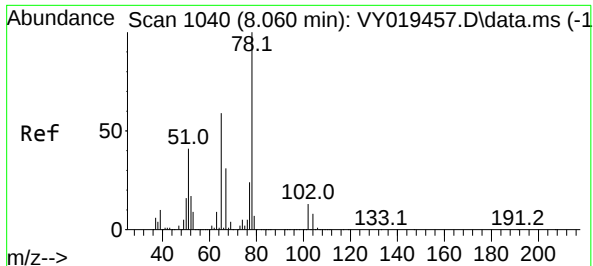
Ion Ratio Lower Upper

56 100

69 119.7 28.7 43.1#

84 114.0 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 45.430 ug/l

RT: 8.055 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY019711.D

Acq: 26 Sep 2024 14:17

Instrument :

MSVOA_Y

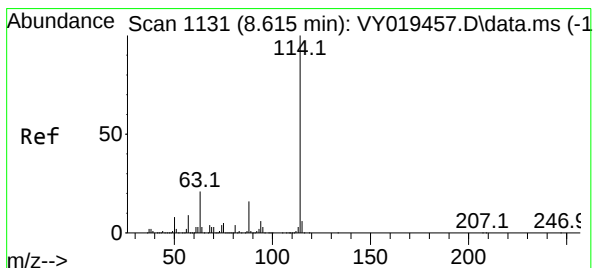
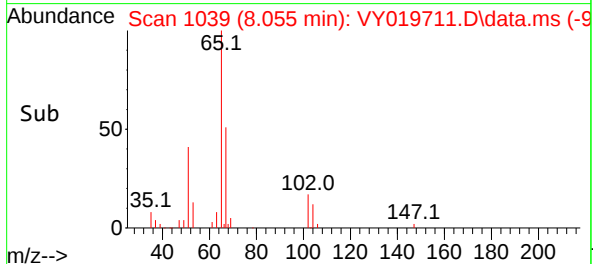
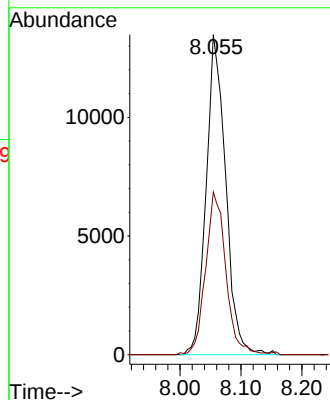
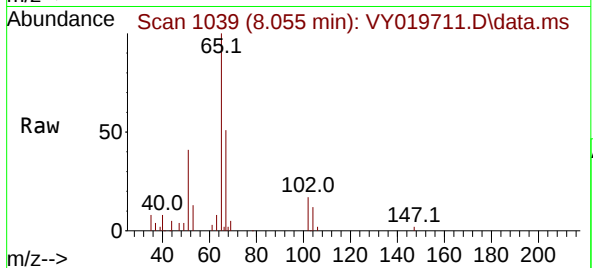
ClientSampleId :

Tgt Ion: 65 Resp: 29941

Ion Ratio Lower Upper

65 100

67 52.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019711.D

Acq: 26 Sep 2024 14:17

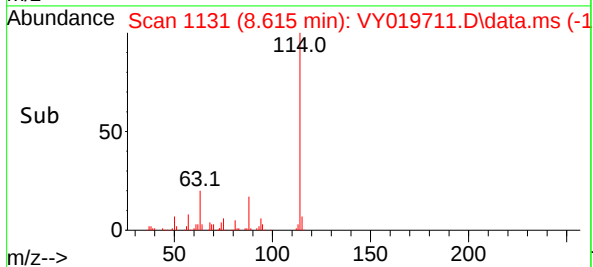
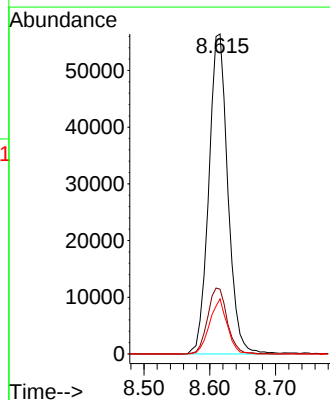
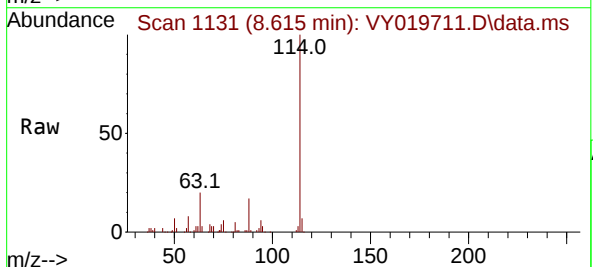
Tgt Ion: 114 Resp: 113759

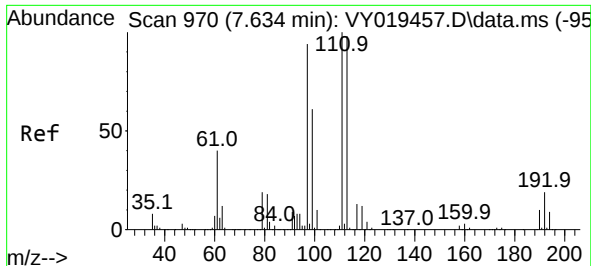
Ion Ratio Lower Upper

114 100

63 20.2 0.0 35.0

88 17.2 0.0 27.2

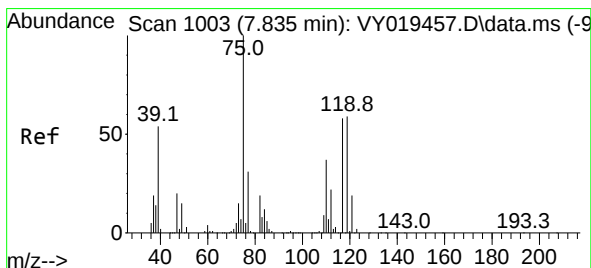
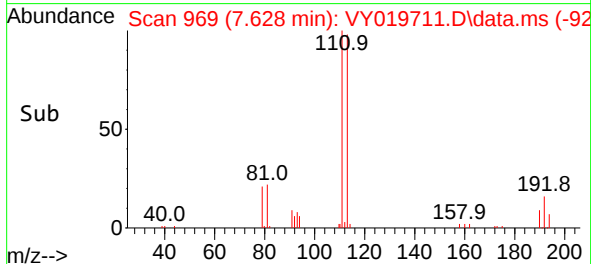
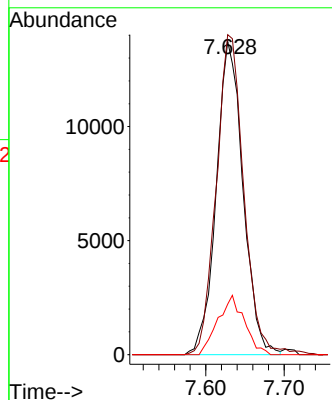
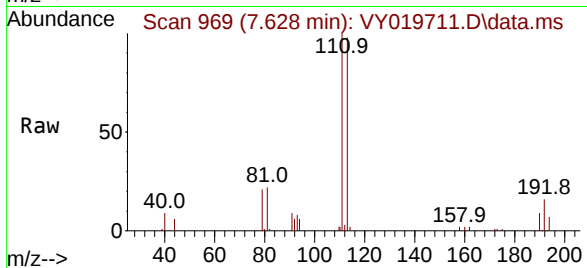




#35
Dibromofluoromethane
Concen: 50.613 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY019711.D
Acq: 26 Sep 2024 14:17

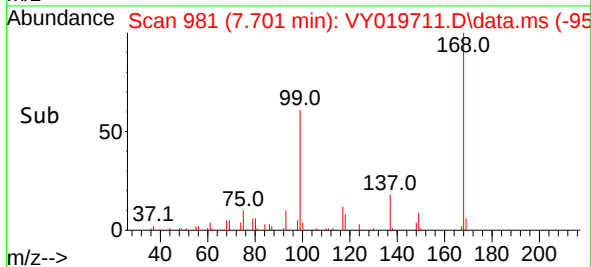
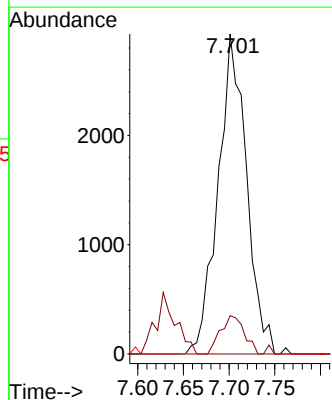
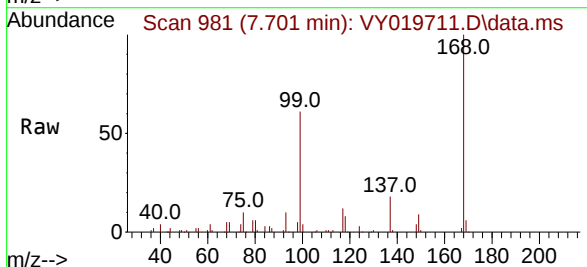
Instrument :
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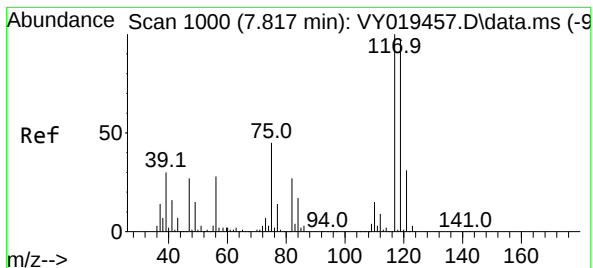
Tgt Ion:113 Resp: 32645
Ion Ratio Lower Upper
113 100
111 104.9 82.2 123.4
192 18.8 15.9 23.9



#36
1,1-Dichloropropene
Concen: 7.209 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY019711.D
Acq: 26 Sep 2024 14:17

Tgt Ion: 75 Resp: 6327
Ion Ratio Lower Upper
75 100
110 10.0 19.0 57.0#
77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 7.656 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.116 min

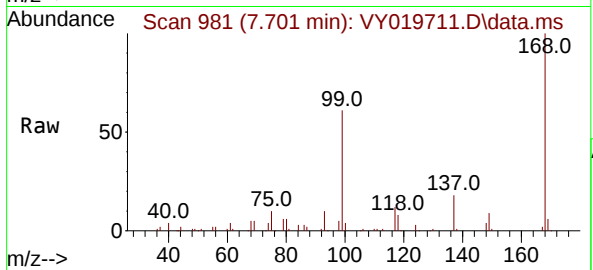
Lab File: VY019711.D

Acq: 26 Sep 2024 14:17

Instrument :

MSVOA_Y

ClientSampleId :



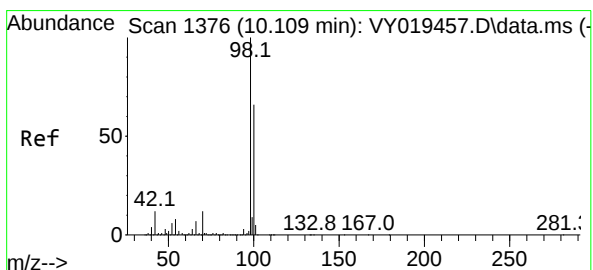
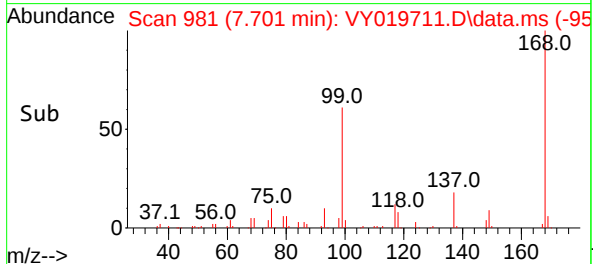
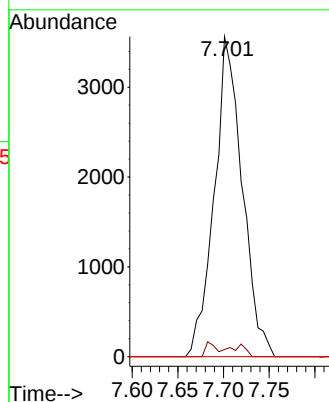
Tgt Ion:117 Resp: 7577

Ion Ratio Lower Upper

117 100

119 2.3 75.8 113.6#

121 0.0 24.0 36.0#



#50

Toluene-d8

Concen: 53.050 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY019711.D

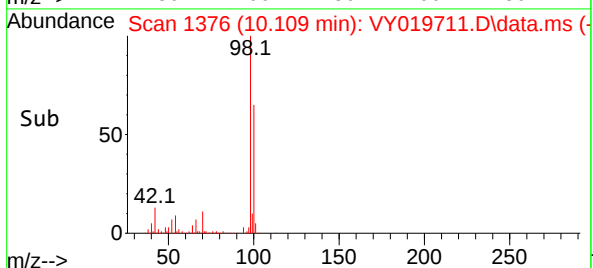
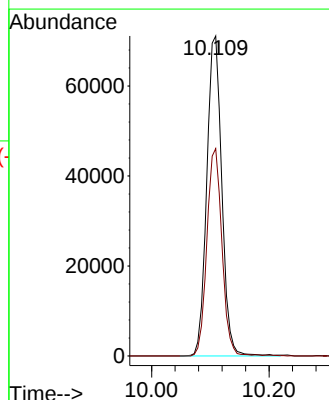
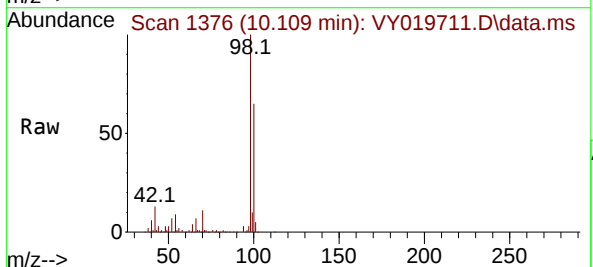
Acq: 26 Sep 2024 14:17

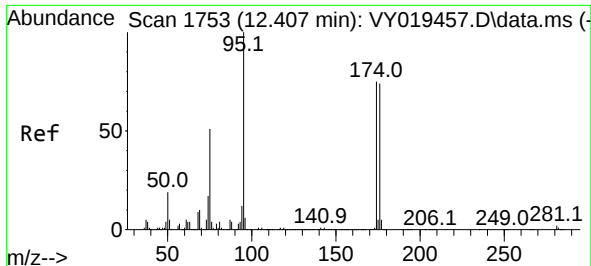
Tgt Ion: 98 Resp: 126560

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0

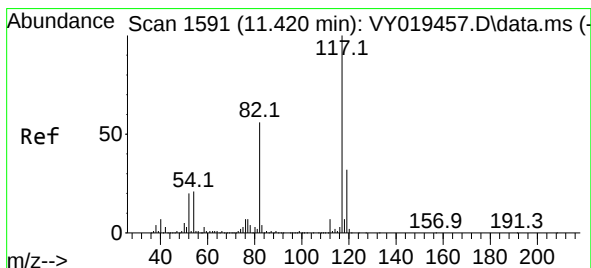
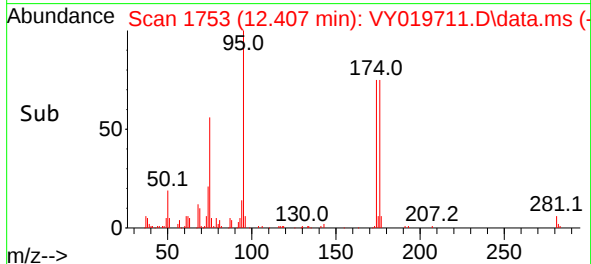
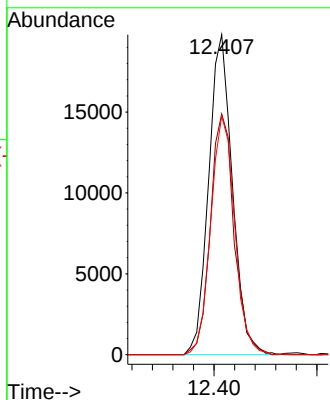
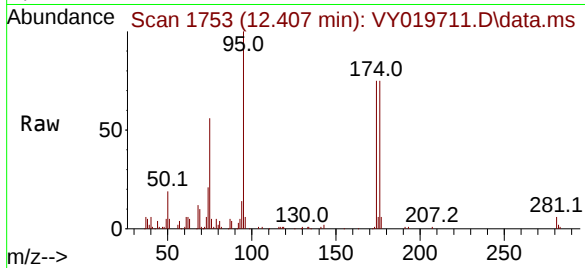




#62
4-Bromofluorobenzene
Concen: 34.522 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019711.D
Acq: 26 Sep 2024 14:17

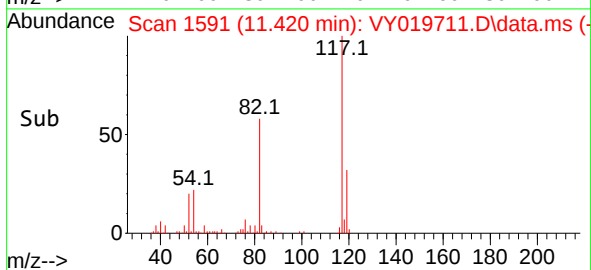
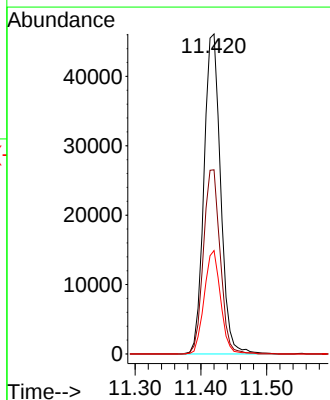
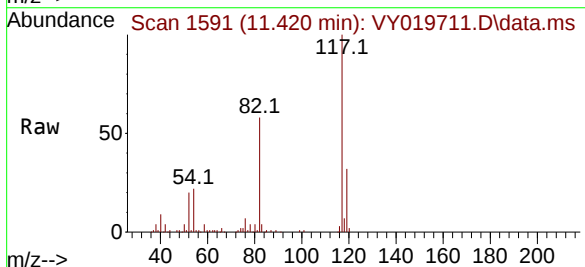
Instrument :
MSVOA_Y
ClientSampleId :

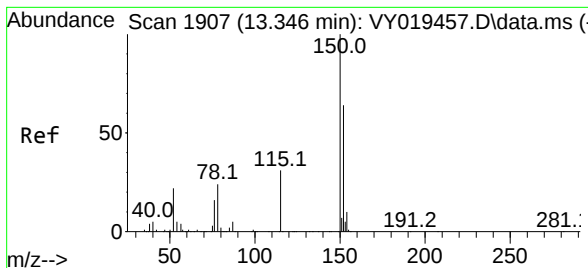
Tgt Ion: 95 Resp: 31667
Ion Ratio Lower Upper
95 100
174 75.4 0.0 175.6
176 75.0 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY019711.D
Acq: 26 Sep 2024 14:17

Tgt Ion: 117 Resp: 81128
Ion Ratio Lower Upper
117 100
82 57.6 42.4 63.6
119 32.3 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: VY019711.D

Acq: 26 Sep 2024 14:17

Instrument :

MSVOA_Y

ClientSampleId :

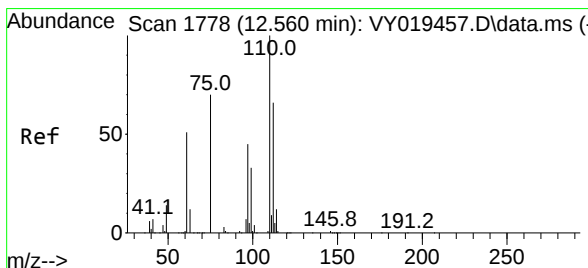
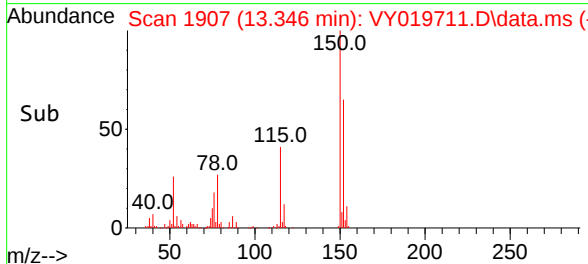
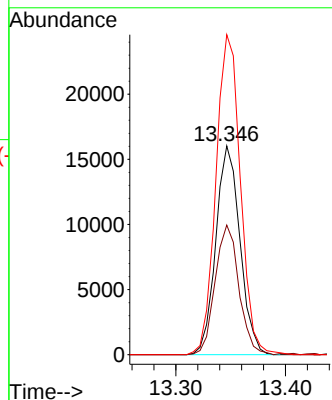
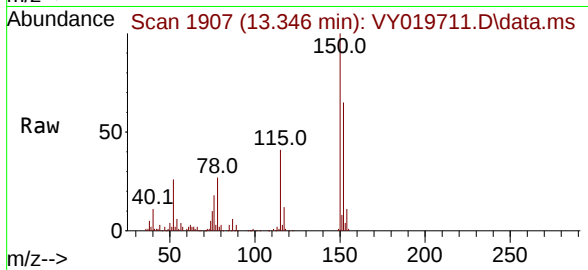
Tgt Ion:152 Resp: 24506

Ion Ratio Lower Upper

152 100

115 61.1 28.2 84.7

150 155.6 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 75.553 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019711.D

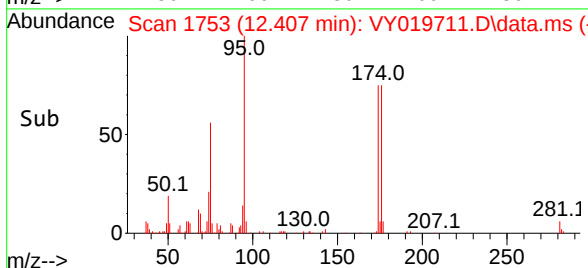
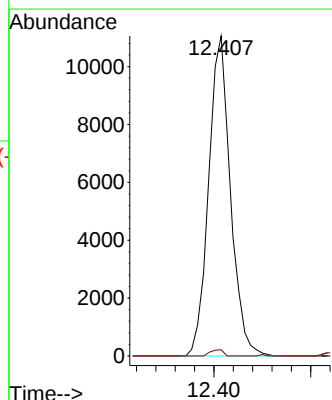
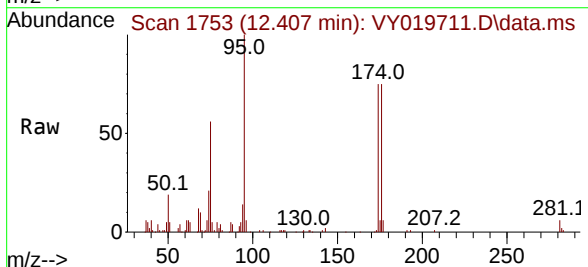
Acq: 26 Sep 2024 14:17

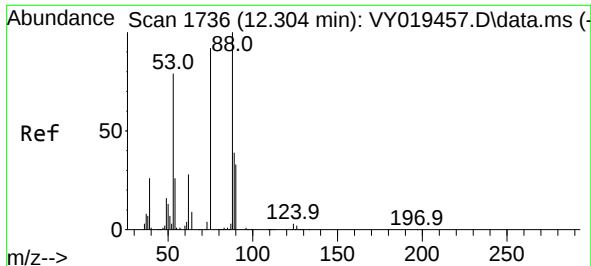
Tgt Ion: 75 Resp: 17354

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

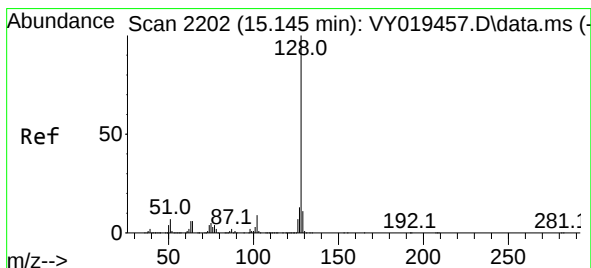
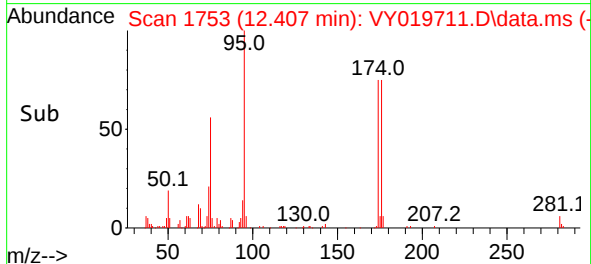
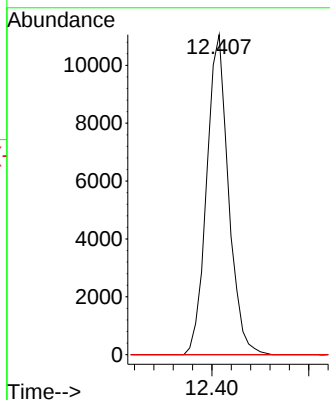
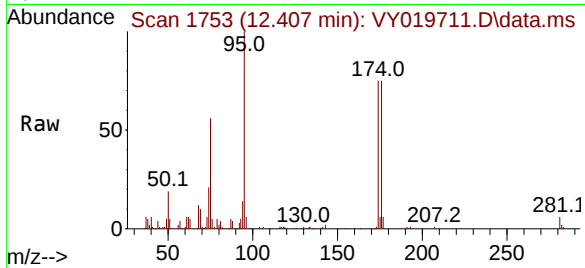




#81
trans-1,4-Dichloro-2-butene
Concen: 145.040 ug/l
RT: 12.407 min Scan# 17354
Delta R.T. 0.104 min
Lab File: VY019711.D
Acq: 26 Sep 2024 14:17

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 17354
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 2.963 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY019711.D
Acq: 26 Sep 2024 14:17

Tgt Ion:128 Resp: 2467
Ion Ratio Lower Upper
128 100
127 8.8 10.6 16.0#
129 14.1 8.6 13.0#

