

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
 Data File : VY021336.D
 Acq On : 26 Feb 2025 17:01
 Operator : SY/MD
 Sample : Q1415-01
 Misc : 5.16g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-163-SB01

Quant Time: Feb 27 00:40:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

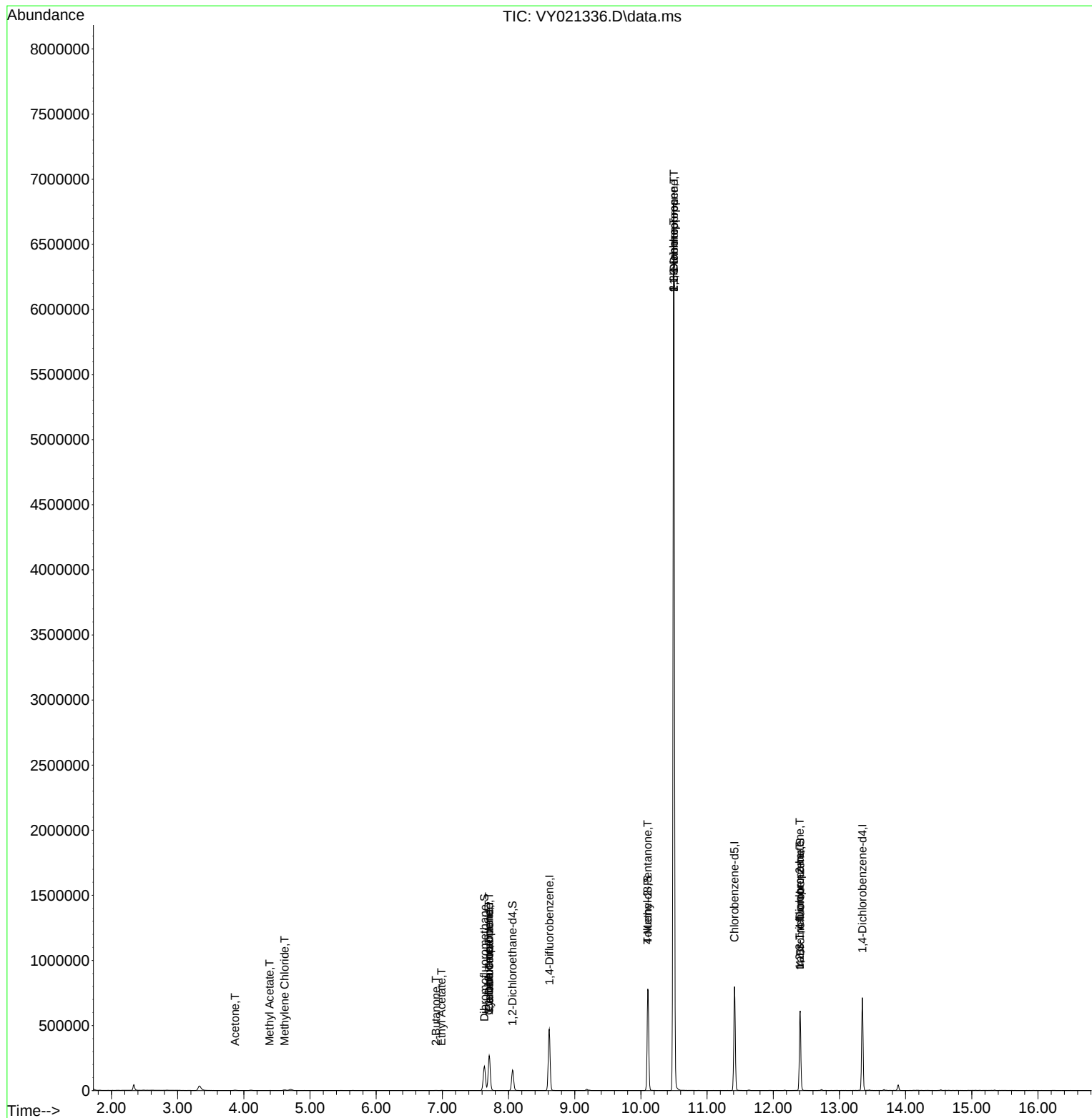
Internal Standards						
1) Pentafluorobenzene	7.707	168	198272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	390694	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	393465	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	168735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	123934	55.101	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.200%	
35) Dibromofluoromethane	7.634	113	128943	50.340	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.680%	
50) Toluene-d8	10.103	98	489572	49.456	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.920%	
62) 4-Bromofluorobenzene	12.408	95	173918	52.204	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.400%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	5326	12.344	ug/l	98
18) Methyl Acetate	4.391	43	1408	1.335	ug/l #	86
20) Methylene Chloride	4.616	84	3456	1.481	ug/l	92
25) 2-Butanone	6.902	43	1395	2.142	ug/l	91
31) Cyclohexane	7.701	56	4627	1.167	ug/l #	11
36) 1,1-Dichloropropene	7.701	75	16368	4.254	ug/l #	51
37) Ethyl Acetate	6.988	43	2363	1.235	ug/l #	86
38) Carbon Tetrachloride	7.707	117	20506	4.741	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	2573	1.357	ug/l #	1
53) t-1,3-Dichloropropene	10.499	75	150753	41.246	ug/l #	44
57) 1,3-Dichloropropane	10.499	76	6364	1.861	ug/l #	42
59) 2-Hexanone	10.493	43	433342	347.958	ug/l #	33
76) 1,2,3-Trichloropropane	12.401	75	98943	58.583	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	98943	130.208	ug/l #	10

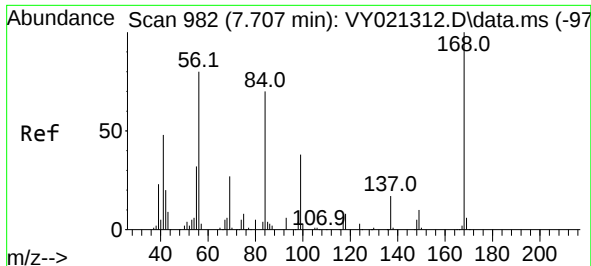
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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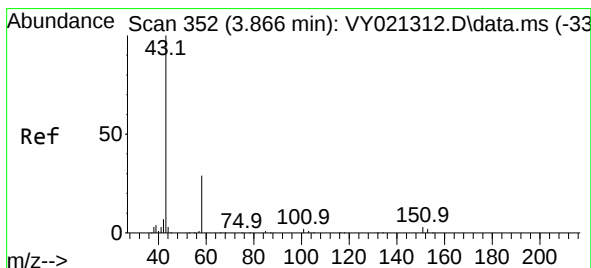
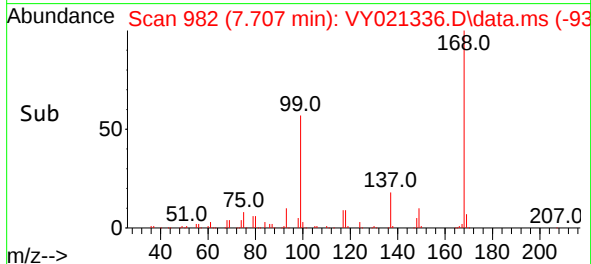
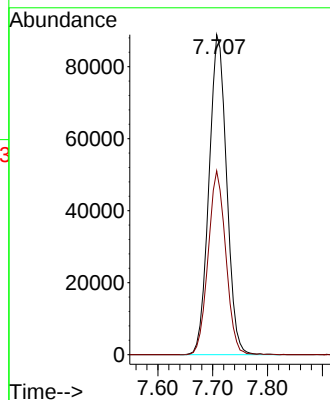
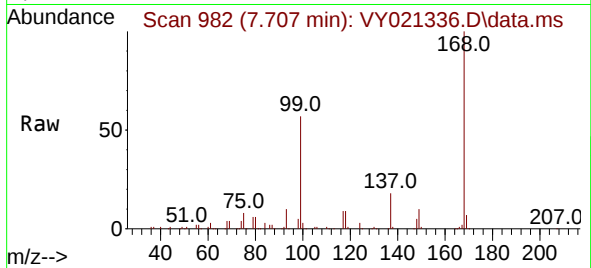




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021336.D
Acq: 26 Feb 2025 17:01

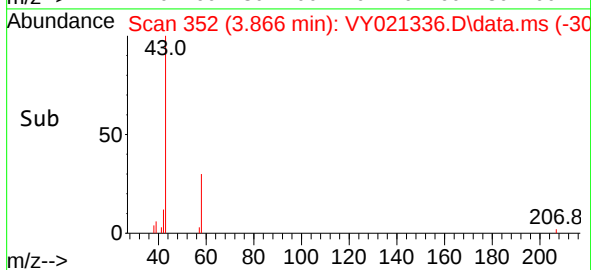
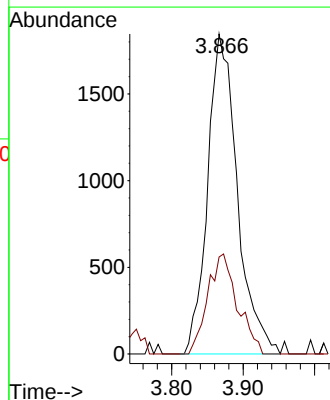
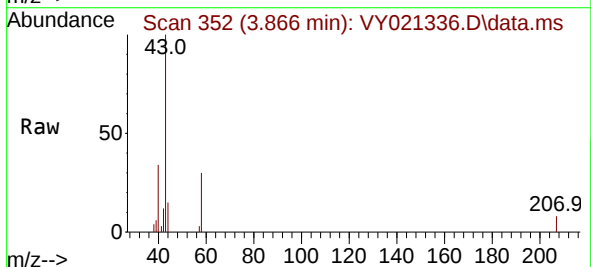
Instrument :
MSVOA_Y
ClientSampleId :
B-163-SB01

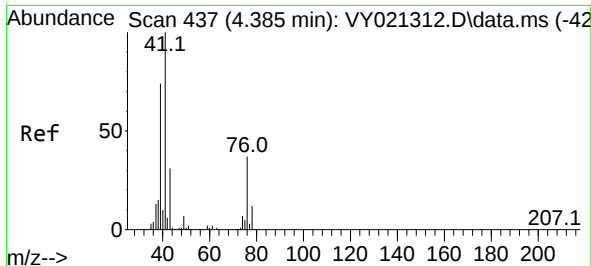
Tgt Ion:168 Resp: 198272
Ion Ratio Lower Upper
168 100
99 57.4 47.1 70.7



#16
Acetone
Concen: 12.344 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021336.D
Acq: 26 Feb 2025 17:01

Tgt Ion: 43 Resp: 5326
Ion Ratio Lower Upper
43 100
58 30.3 23.5 35.3

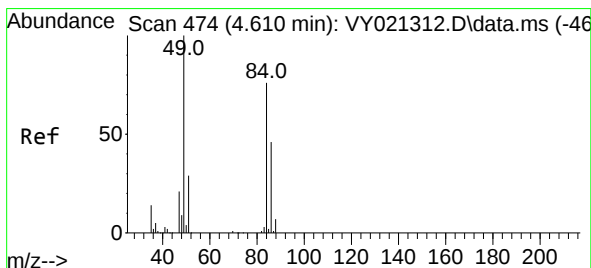
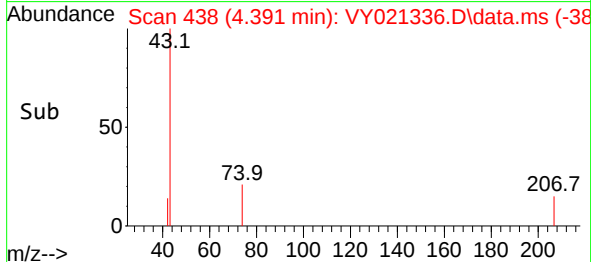
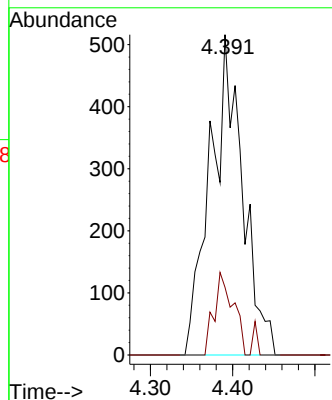
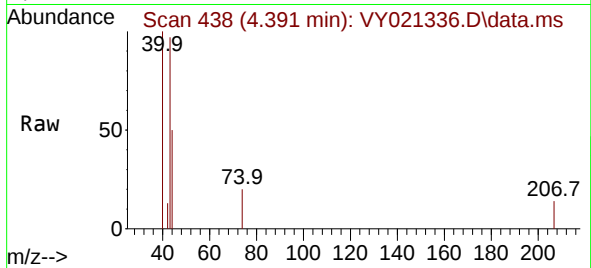




#18
Methyl Acetate
Concen: 1.335 ug/l
RT: 4.391 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY021336.D
Acq: 26 Feb 2025 17:01

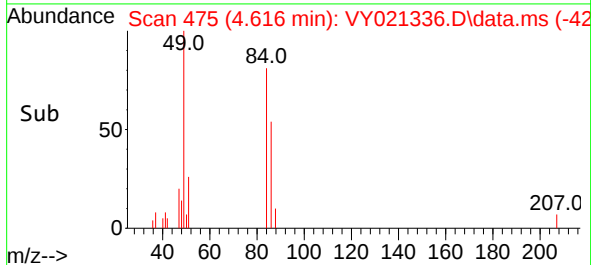
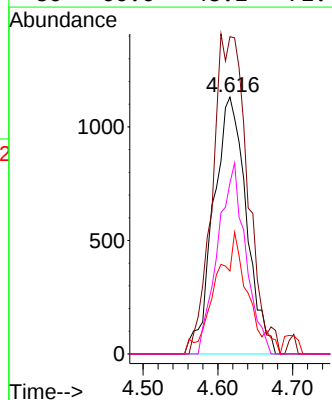
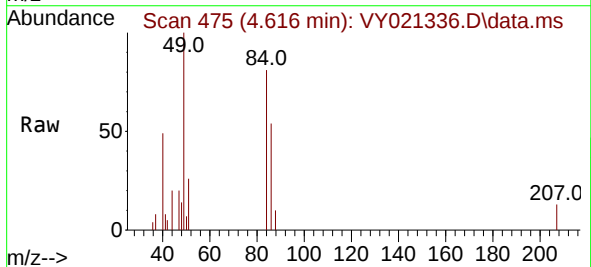
Instrument :
MSVOA_Y
ClientSampleId :
B-163-SB01

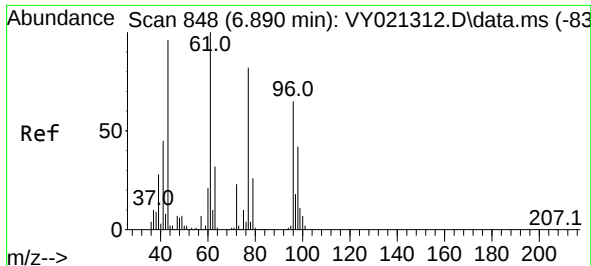
Tgt Ion: 43 Resp: 1408
Ion Ratio Lower Upper
43 100
74 15.3 17.7 26.5#



#20
Methylene Chloride
Concen: 1.481 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021336.D
Acq: 26 Feb 2025 17:01

Tgt Ion: 84 Resp: 3456
Ion Ratio Lower Upper
84 100
49 123.5 105.1 157.7
51 32.3 31.0 46.4
86 66.6 48.2 72.4

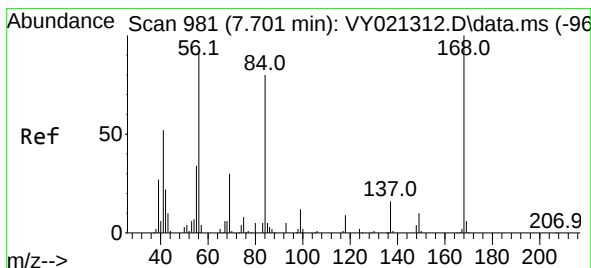
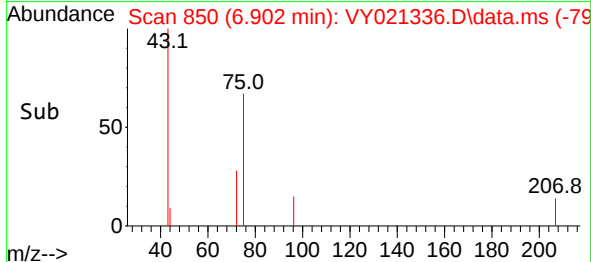
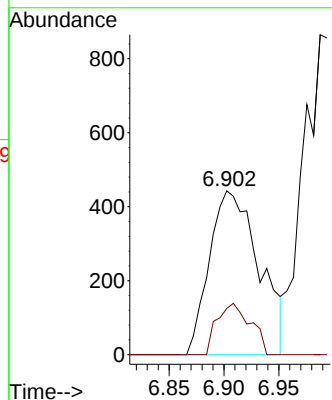
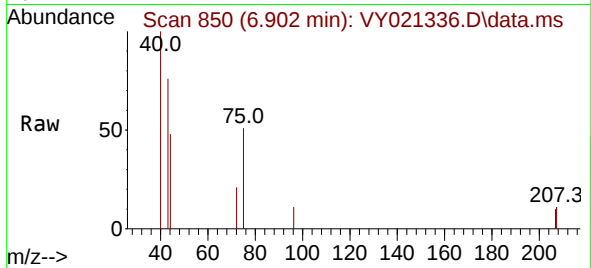




#25
2-Butanone
Concen: 2.142 ug/l
RT: 6.902 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY021336.D
Acq: 26 Feb 2025 17:01

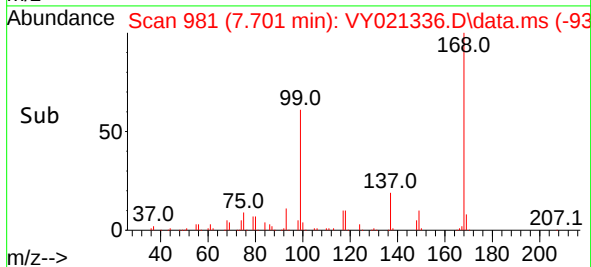
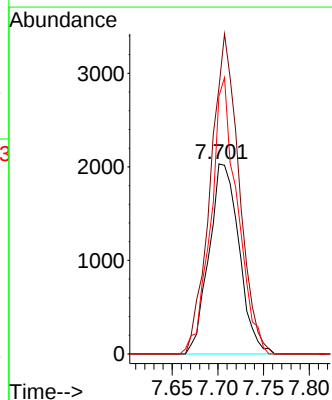
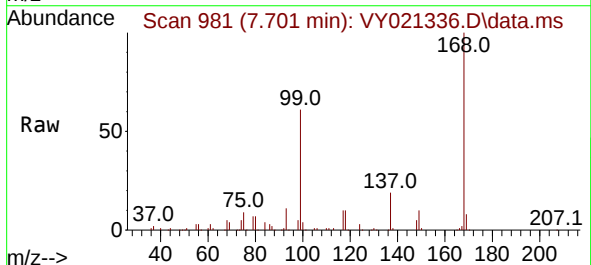
Instrument :
MSVOA_Y
ClientSampleId :
B-163-SB01

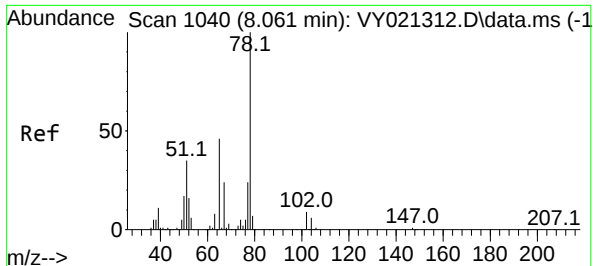
Tgt Ion: 43 Resp: 1395
Ion Ratio Lower Upper
43 100
72 28.2 19.0 28.6



#31
Cyclohexane
Concen: 1.167 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021336.D
Acq: 26 Feb 2025 17:01

Tgt Ion: 56 Resp: 4627
Ion Ratio Lower Upper
56 100
69 139.9 26.2 39.4#
84 135.6 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 55.101 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021336.D

Acq: 26 Feb 2025 17:01

Instrument :

MSVOA_Y

ClientSampleId :

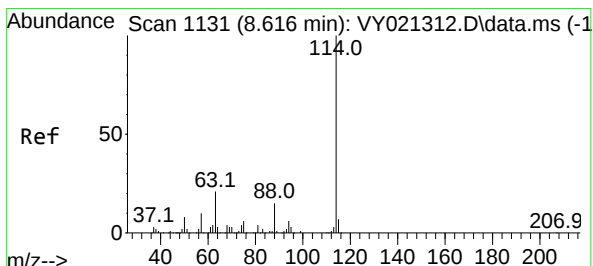
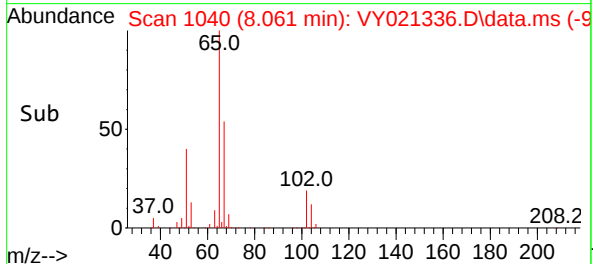
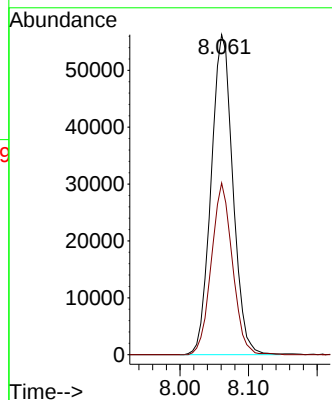
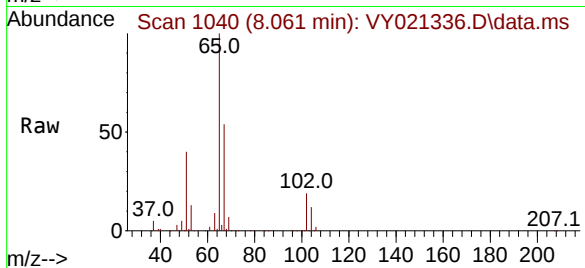
B-163-SB01

Tgt Ion: 65 Resp: 123934

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021336.D

Acq: 26 Feb 2025 17:01

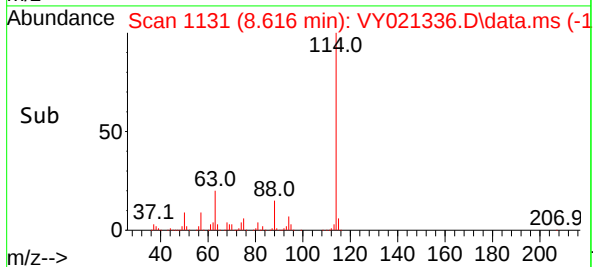
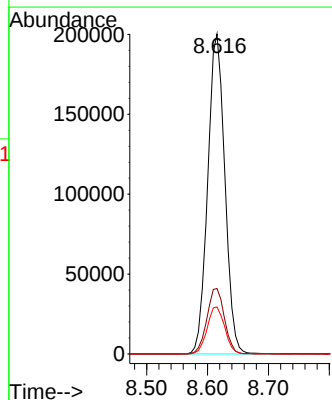
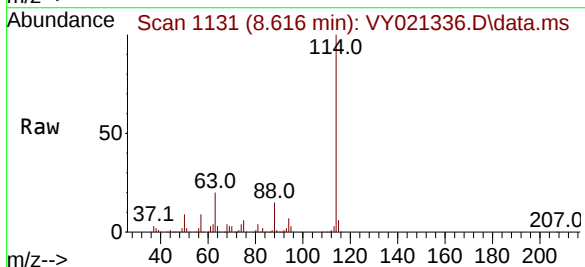
Tgt Ion: 114 Resp: 390694

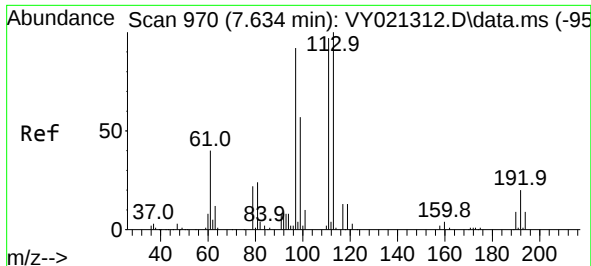
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.2

88 14.7 0.0 29.8

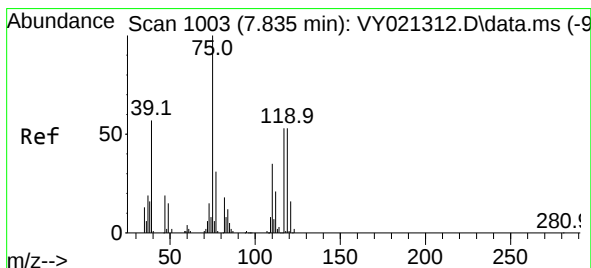
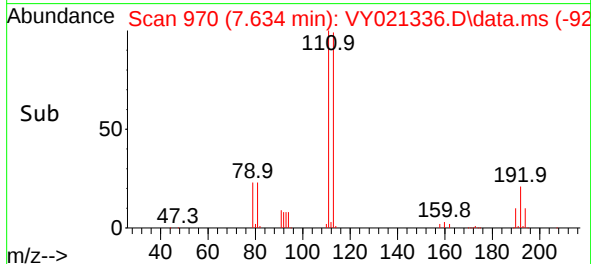
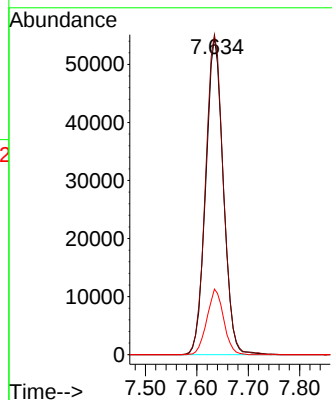
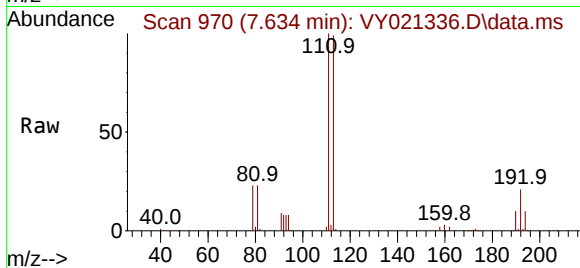




#35
Dibromofluoromethane
Concen: 50.340 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021336.D
Acq: 26 Feb 2025 17:01

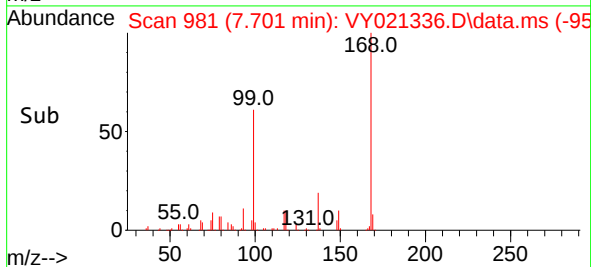
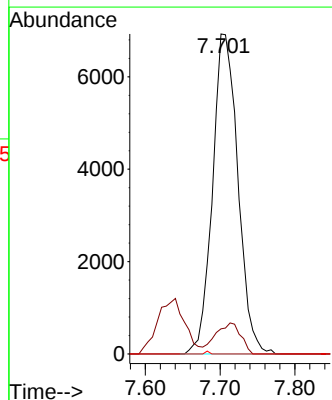
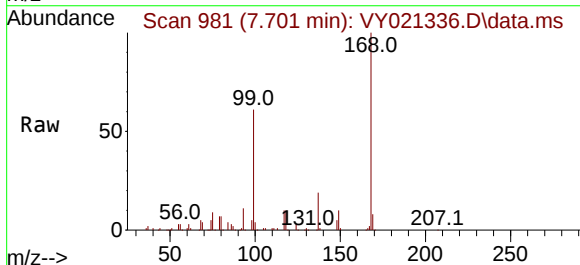
Instrument :
MSVOA_Y
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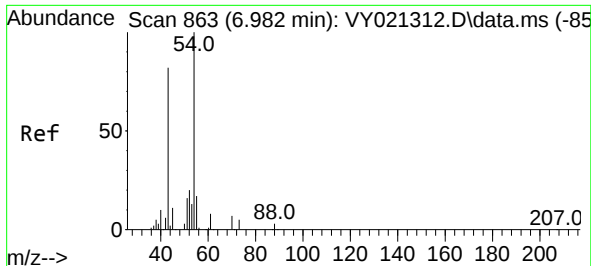
Tgt Ion:113 Resp: 128943
Ion Ratio Lower Upper
113 100
111 102.5 81.0 121.6
192 19.8 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.254 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY021336.D
Acq: 26 Feb 2025 17:01

Tgt Ion: 75 Resp: 16368
Ion Ratio Lower Upper
75 100
110 9.6 16.9 50.7#
77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 1.235 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY021336.D

Acq: 26 Feb 2025 17:01

Instrument :

MSVOA_Y

ClientSampleId :

B-163-SB01

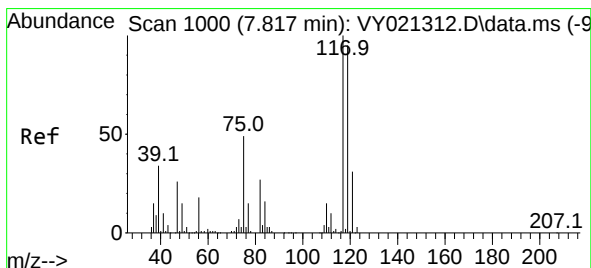
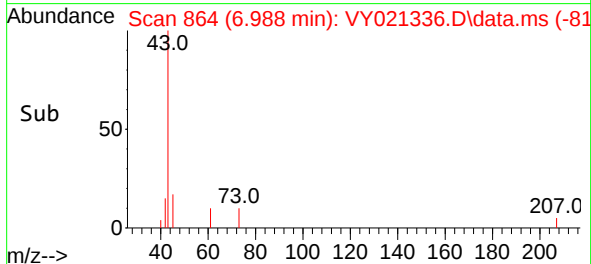
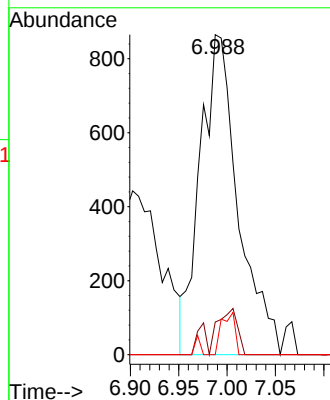
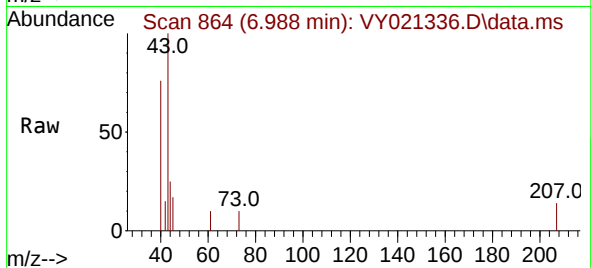
Tgt Ion: 43 Resp: 2363

Ion Ratio Lower Upper

43 100

61 7.4 10.4 15.6#

70 4.7 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 4.741 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY021336.D

Acq: 26 Feb 2025 17:01

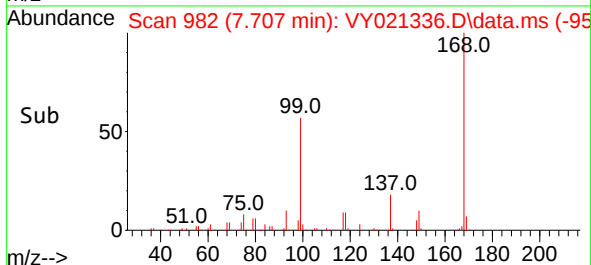
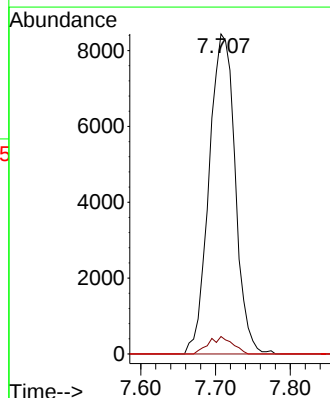
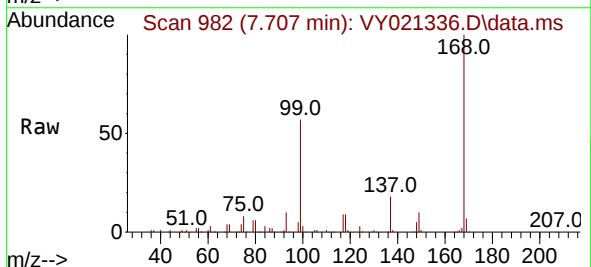
Tgt Ion: 117 Resp: 20506

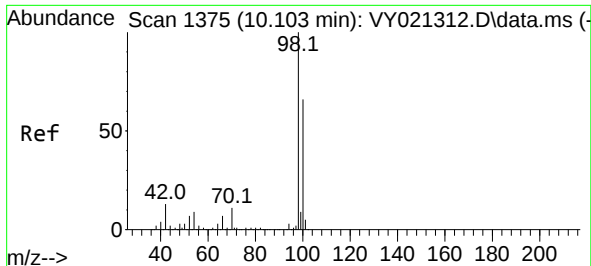
Ion Ratio Lower Upper

117 100

119 5.5 76.0 114.0#

121 0.0 24.9 37.3#

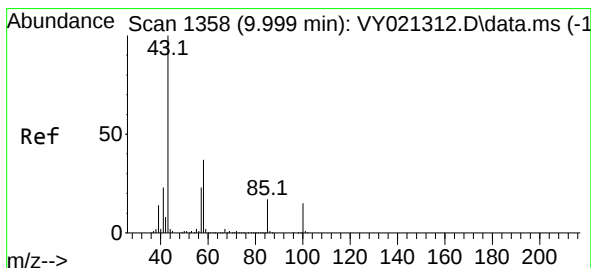
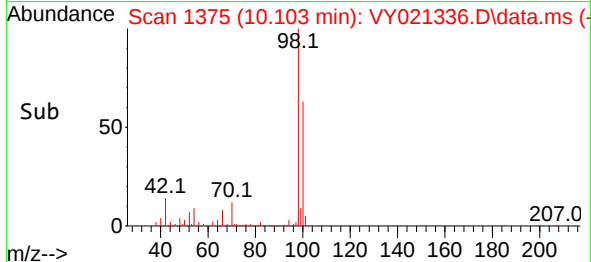
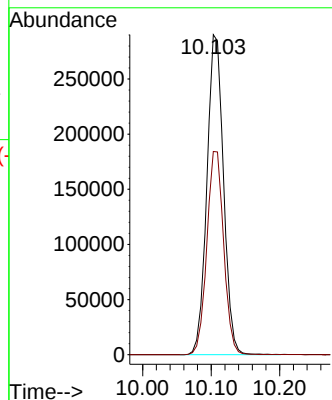
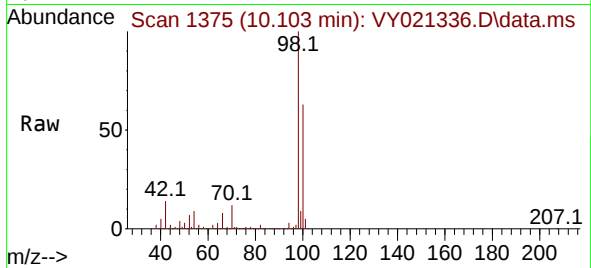




#50
Toluene-d8
Concen: 49.456 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021336.D
Acq: 26 Feb 2025 17:01

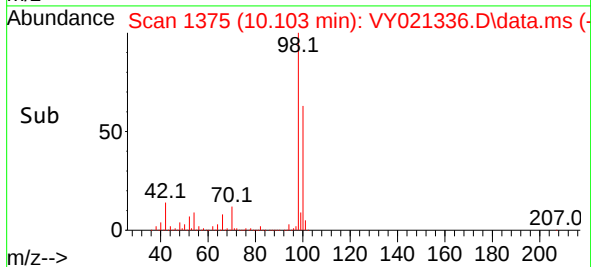
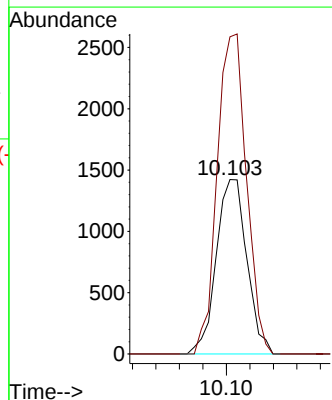
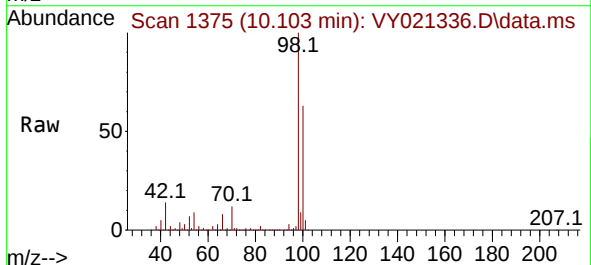
Instrument :
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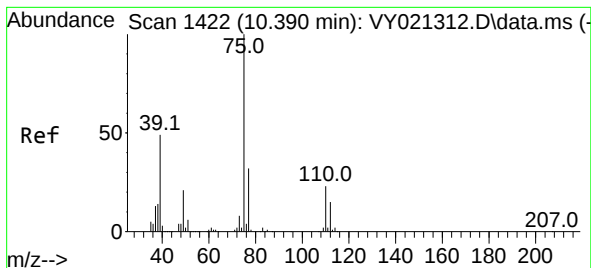
Tgt Ion: 98 Resp: 489572
Ion Ratio Lower Upper
98 100
100 64.2 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.357 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY021336.D
Acq: 26 Feb 2025 17:01

Tgt Ion: 43 Resp: 2573
Ion Ratio Lower Upper
43 100
58 175.7 30.1 45.1#

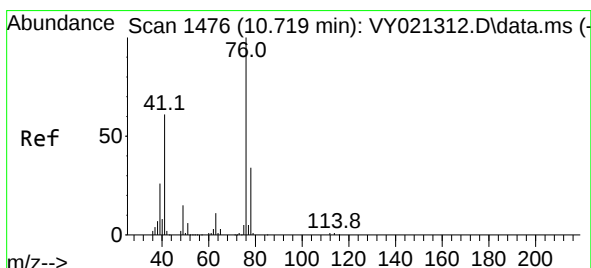
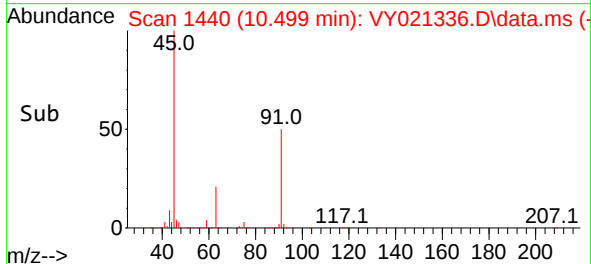
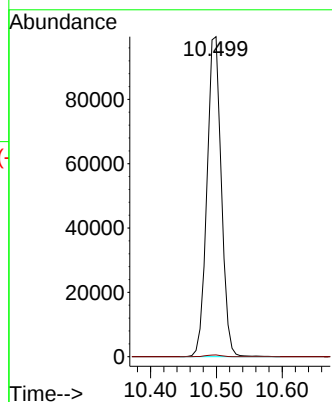
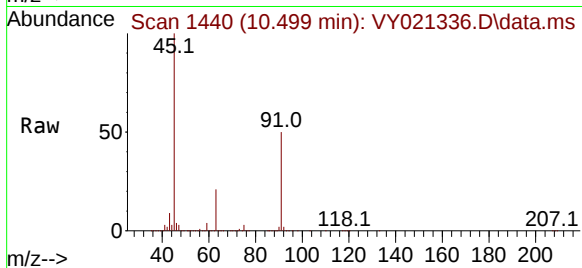




#53
t-1,3-Dichloropropene
Concen: 41.246 ug/l
RT: 10.499 min Scan# 1440
Delta R.T. 0.110 min
Lab File: VY021336.D
Acq: 26 Feb 2025 17:01

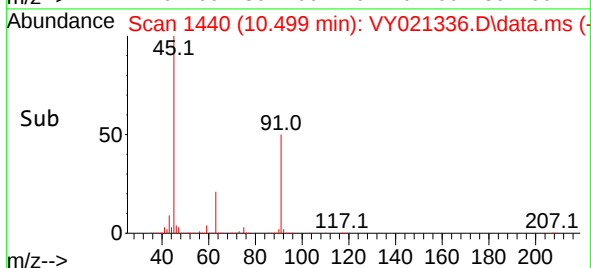
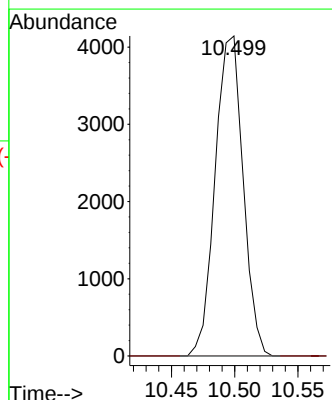
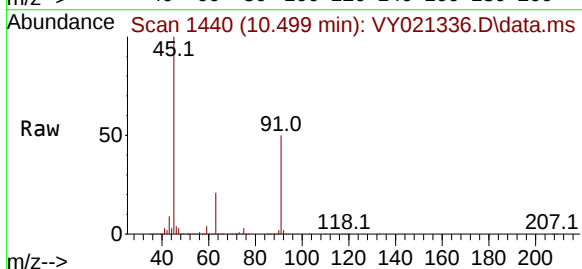
Instrument :
MSVOA_Y
ClientSampleId :
B-163-SB01

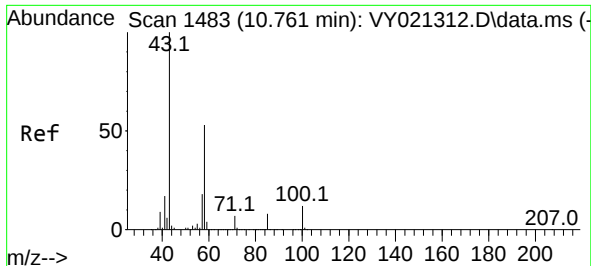
Tgt Ion: 75 Resp: 150753
Ion Ratio Lower Upper
75 100
77 0.6 25.3 37.9#



#57
1,3-Dichloropropane
Concen: 1.861 ug/l
RT: 10.499 min Scan# 1440
Delta R.T. -0.219 min
Lab File: VY021336.D
Acq: 26 Feb 2025 17:01

Tgt Ion: 76 Resp: 6364
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

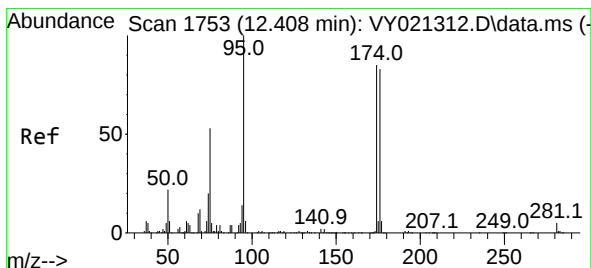
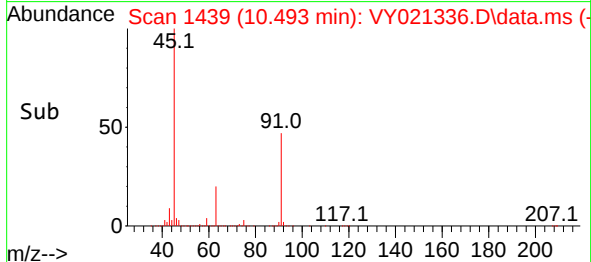
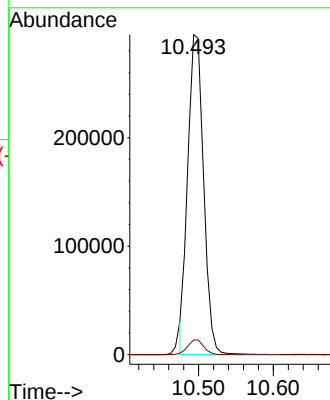
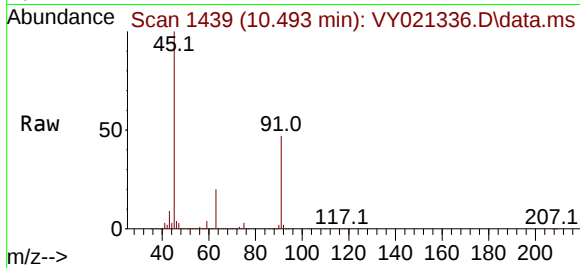




#59
2-Hexanone
Concen: 347.958 ug/l
RT: 10.493 min Scan# 1483
Delta R.T. -0.268 min
Lab File: VY021336.D
Acq: 26 Feb 2025 17:01

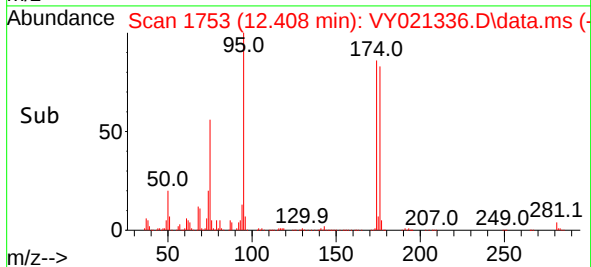
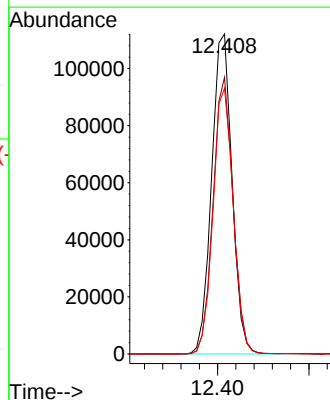
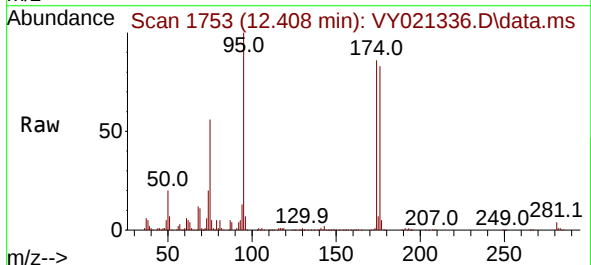
Instrument :
MSVOA_Y
ClientSampleId :
B-163-SB01

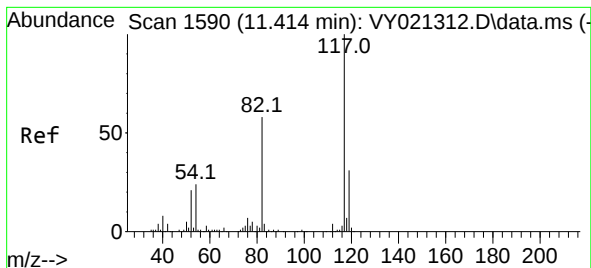
Tgt Ion: 43 Resp: 433342
Ion Ratio Lower Upper
43 100
58 4.7 25.9 77.6#



#62
4-Bromofluorobenzene
Concen: 52.204 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021336.D
Acq: 26 Feb 2025 17:01

Tgt Ion: 95 Resp: 173918
Ion Ratio Lower Upper
95 100
174 84.4 0.0 168.0
176 82.3 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021336.D

Acq: 26 Feb 2025 17:01

Instrument :

MSVOA_Y

ClientSampleId :

B-163-SB01

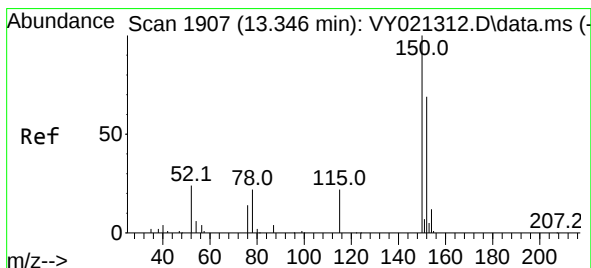
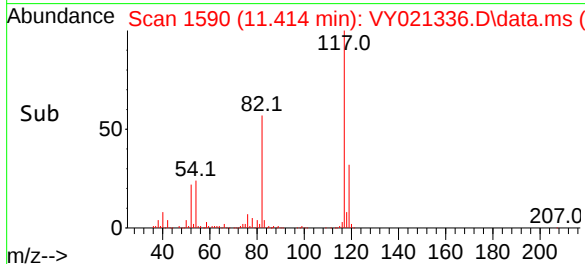
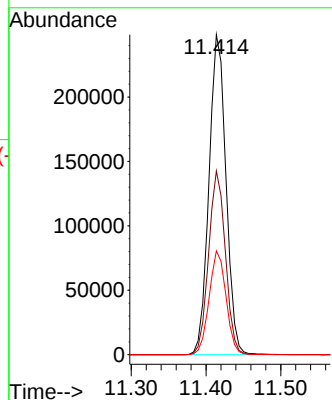
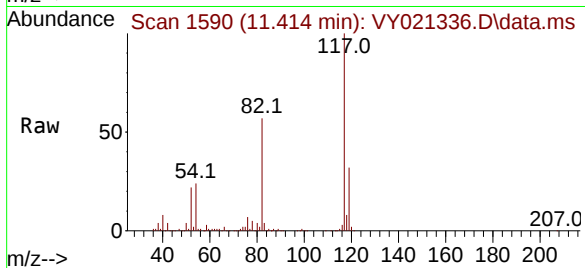
Tgt Ion:117 Resp: 393465

Ion Ratio Lower Upper

117 100

82 57.4 46.2 69.4

119 32.5 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021336.D

Acq: 26 Feb 2025 17:01

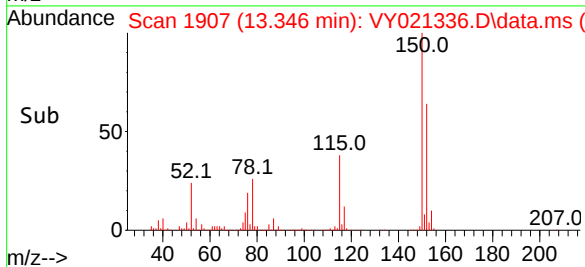
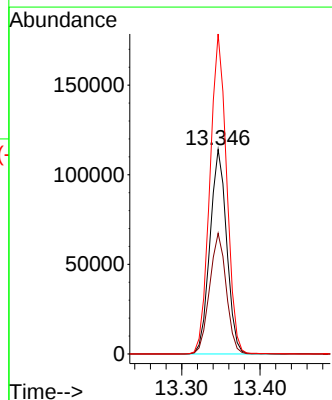
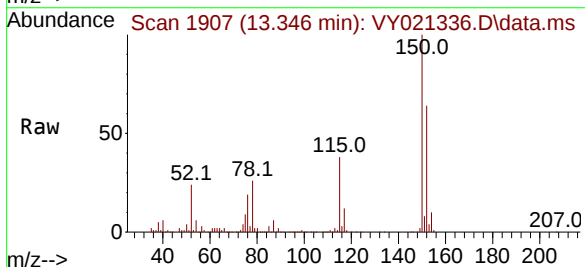
Tgt Ion:152 Resp: 168735

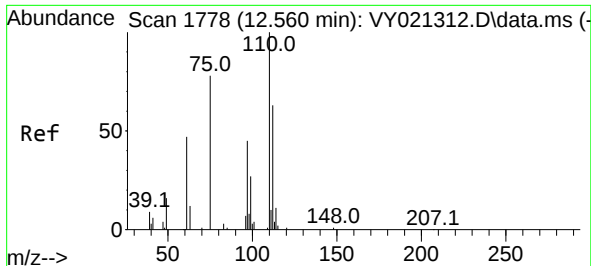
Ion Ratio Lower Upper

152 100

115 58.8 29.3 88.0

150 156.7 0.0 347.4

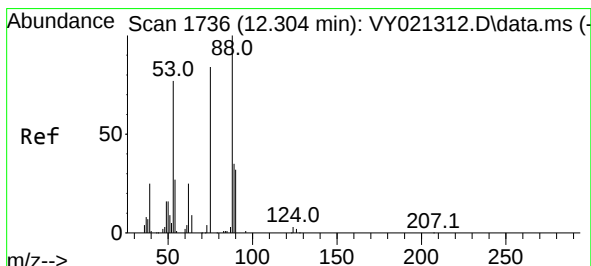
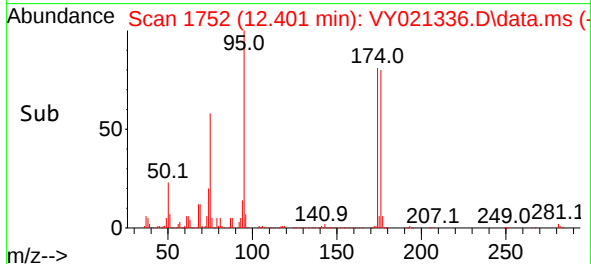
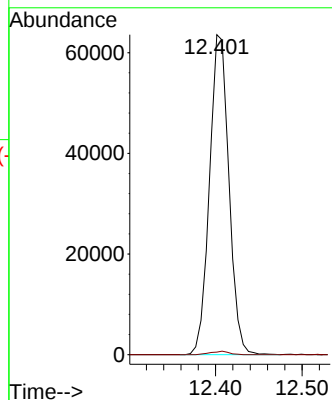
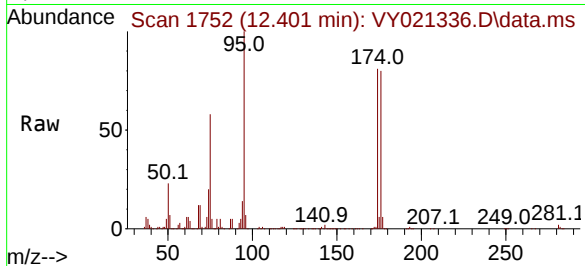




#76
1,2,3-Trichloropropane
Concen: 58.583 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY021336.D
Acq: 26 Feb 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
B-163-SB01

Tgt Ion: 75 Resp: 98943
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.208 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY021336.D
Acq: 26 Feb 2025 17:01

Tgt Ion: 75 Resp: 98943
Ion Ratio Lower Upper
75 100
53 0.1 79.1 118.7#
89 0.0 35.6 53.4#

