

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
 Data File : VY020656.D
 Acq On : 19 Dec 2024 15:36
 Operator : SY/MD
 Sample : P5306-09
 Misc : 3.92g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-VSL-11-121224

Quant Time: Dec 20 00:55:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 18 05:27:13 2024
 Response via : Initial Calibration

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

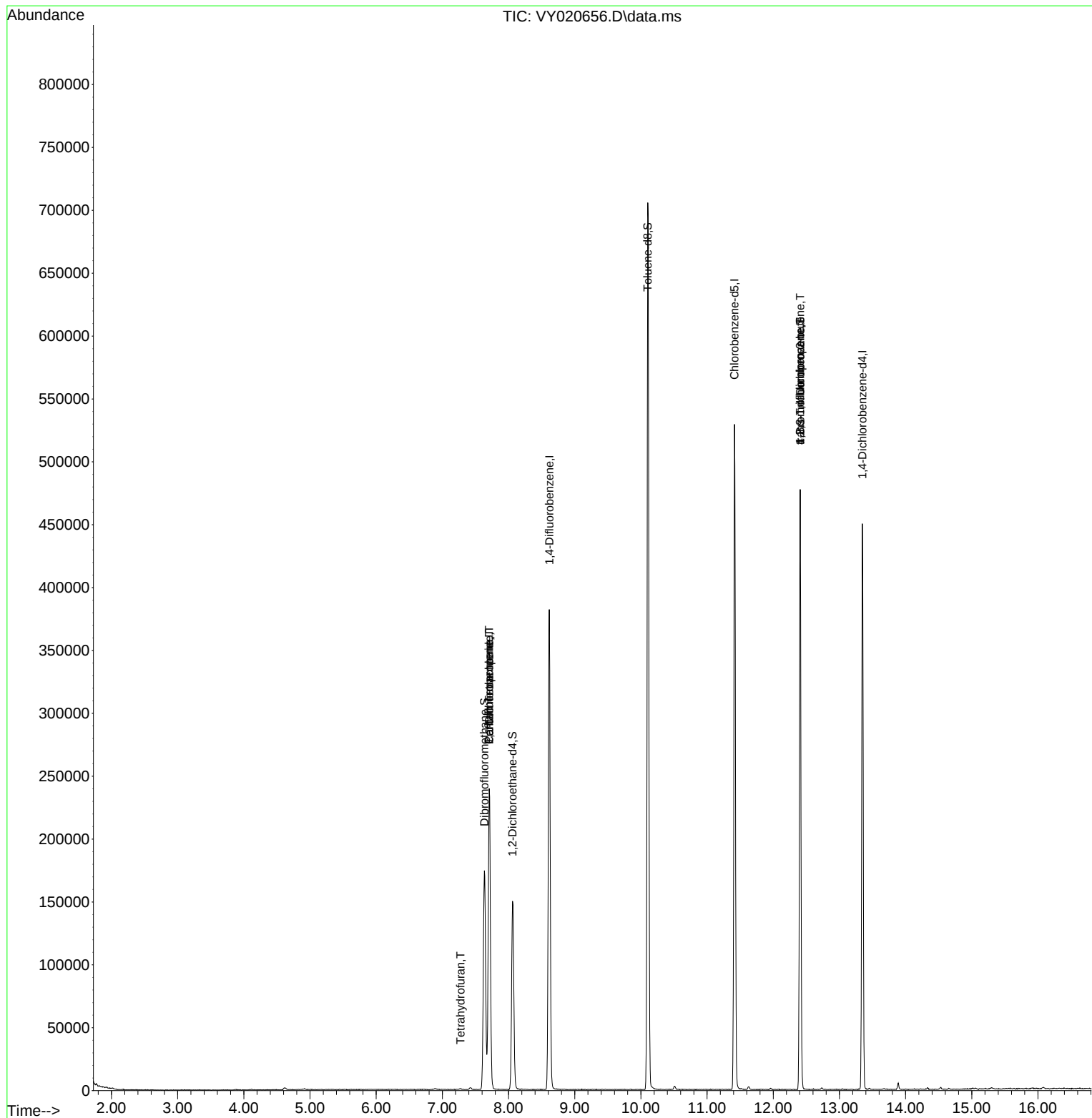
Internal Standards						
1) Pentafluorobenzene	7.707	168	183535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	322870	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	277473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	112091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	124576	61.975	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.960%	
35) Dibromofluoromethane	7.634	113	125708	55.244	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.480%	
50) Toluene-d8	10.103	98	467544	58.703	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 117.400%	
62) 4-Bromofluorobenzene	12.408	95	145902	46.831	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 93.660%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.848	59	60	Below Cal	#	75
16) Acetone	3.885	43	656	Below Cal		97
29) Tetrahydrofuran	7.274	42	498	1.056	ug/l #	72
30) Chloroform	7.415	83	1479	Below Cal		92
36) 1,1-Dichloropropene	7.707	75	14354	3.459	ug/l #	51
38) Carbon Tetrachloride	7.707	117	18725	4.079	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	76882	66.027	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	76882	138.593	ug/l #	12

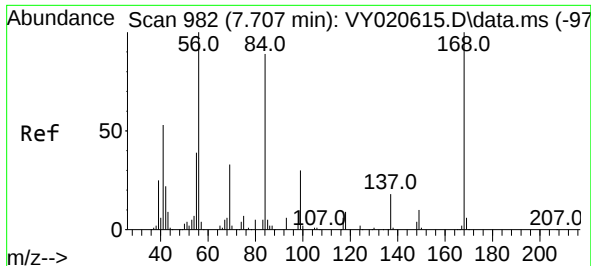
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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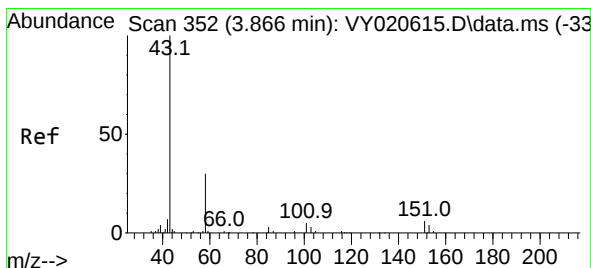
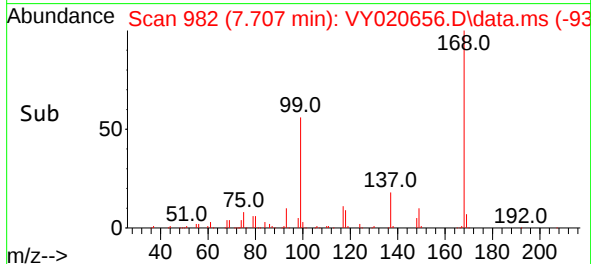
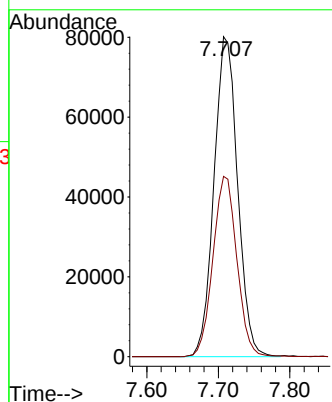
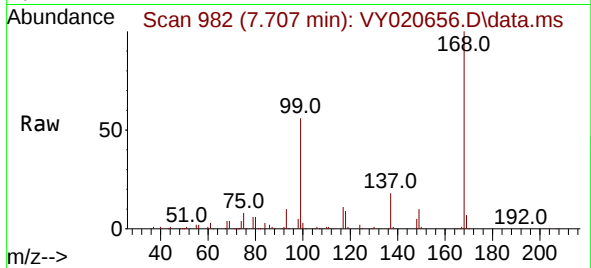




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020656.D
Acq: 19 Dec 2024 15:36

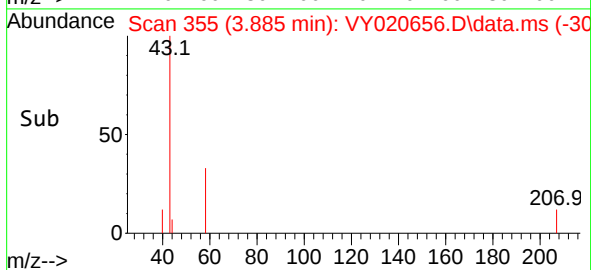
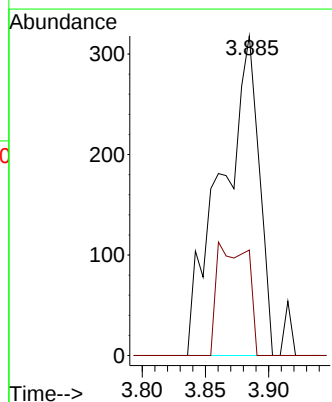
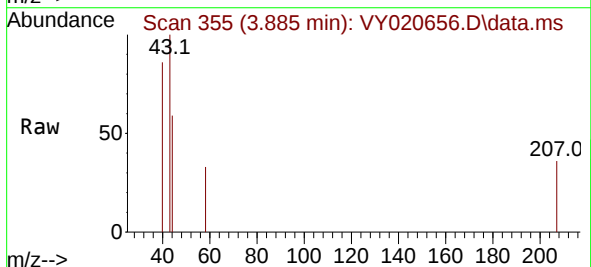
Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-11-121224

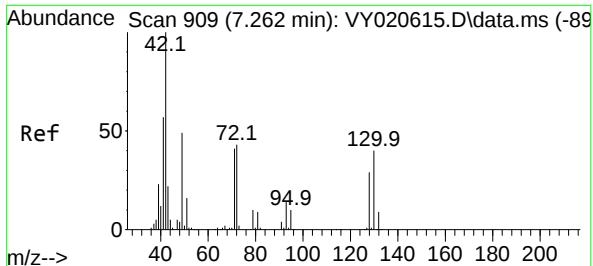
Tgt Ion:168 Resp: 183535
Ion Ratio Lower Upper
168 100
99 56.4 47.0 70.6



#16
Acetone
Concen: Below Cal
RT: 3.885 min Scan# 355
Delta R.T. 0.019 min
Lab File: VY020656.D
Acq: 19 Dec 2024 15:36

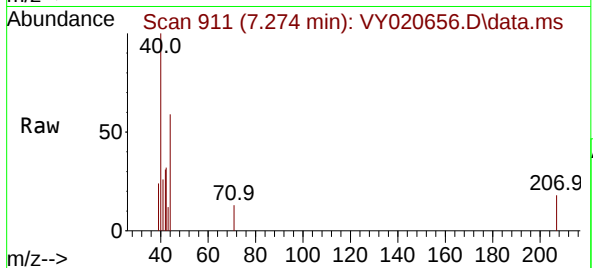
Tgt Ion: 43 Resp: 656
Ion Ratio Lower Upper
43 100
58 33.0 25.0 37.6



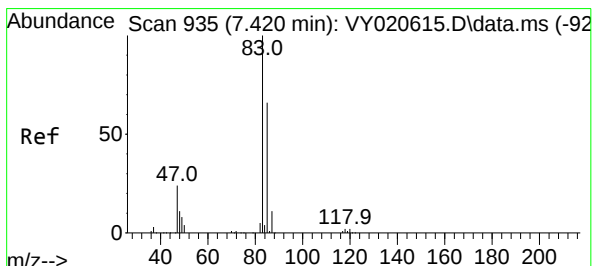
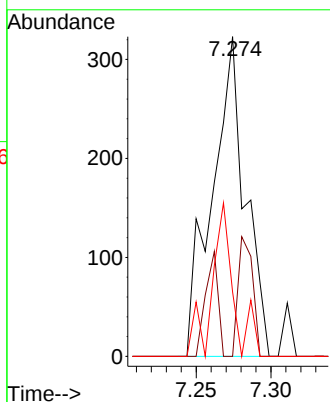
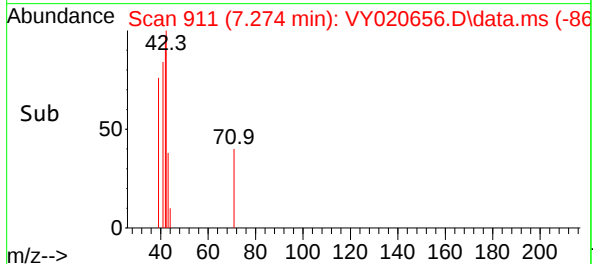


#29
Tetrahydrofuran
Concen: 1.056 ug/l
RT: 7.274 min Scan# 911
Delta R.T. 0.012 min
Lab File: VY020656.D
Acq: 19 Dec 2024 15:36

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-11-121224

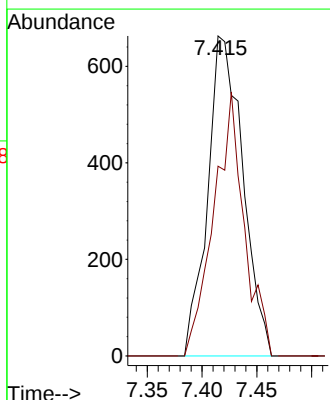
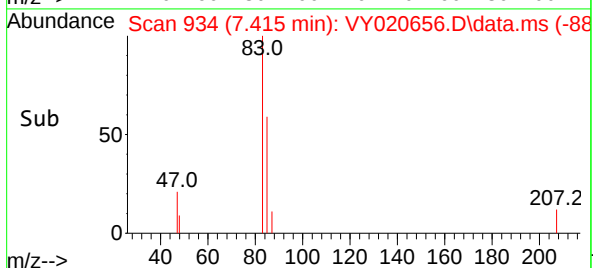
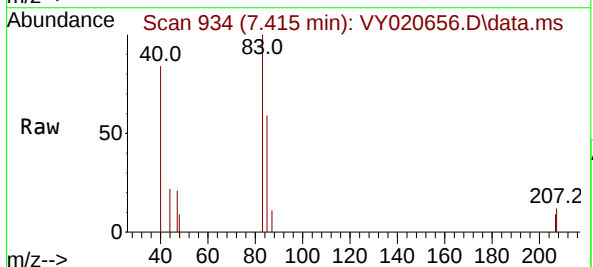


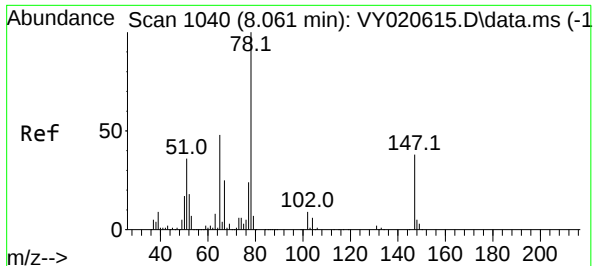
Tgt Ion: 42 Resp: 498
Ion Ratio Lower Upper
42 100
72 16.3 34.0 51.0#
71 31.1 31.6 47.4#



#30
Chloroform
Concen: Below Cal
RT: 7.415 min Scan# 934
Delta R.T. -0.005 min
Lab File: VY020656.D
Acq: 19 Dec 2024 15:36

Tgt Ion: 83 Resp: 1479
Ion Ratio Lower Upper
83 100
85 59.3 52.7 79.1





#33

1,2-Dichloroethane-d4

Concen: 61.975 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY020656.D

Acq: 19 Dec 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

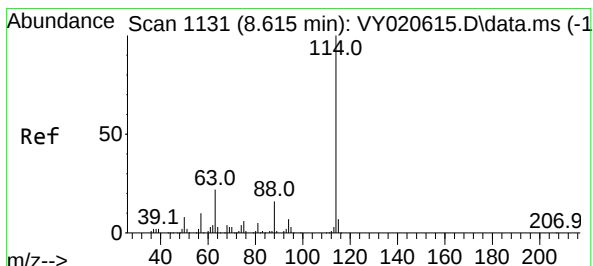
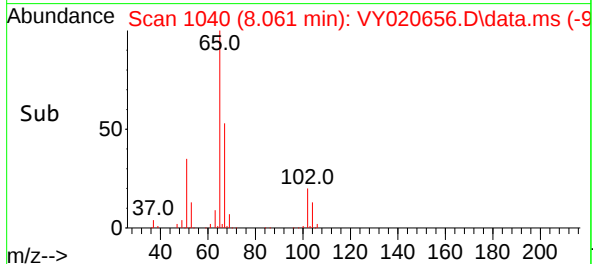
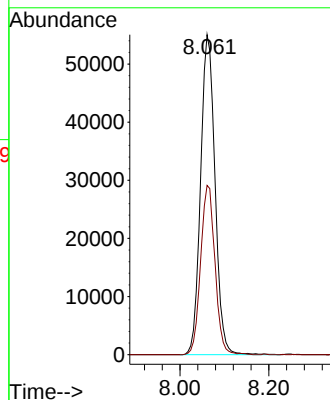
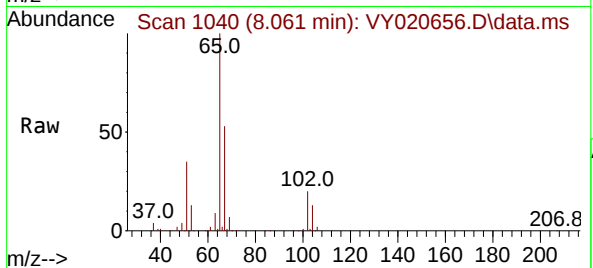
OU4-VSL-11-121224

Tgt Ion: 65 Resp: 124576

Ion Ratio Lower Upper

65 100

67 52.7 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY020656.D

Acq: 19 Dec 2024 15:36

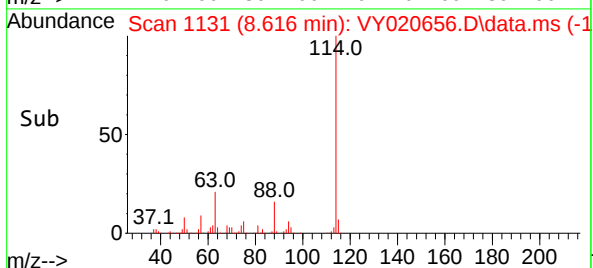
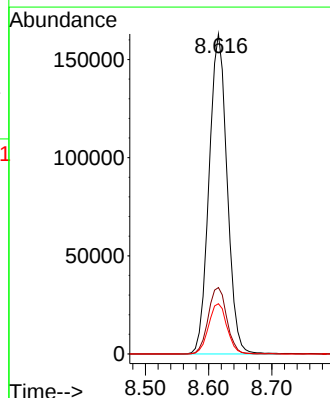
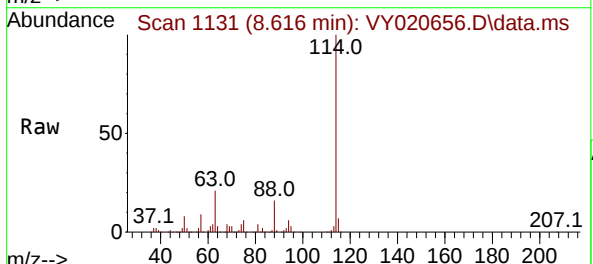
Tgt Ion: 114 Resp: 322870

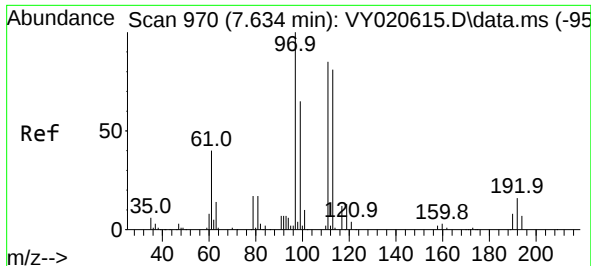
Ion Ratio Lower Upper

114 100

63 20.7 0.0 44.0

88 15.7 0.0 32.8

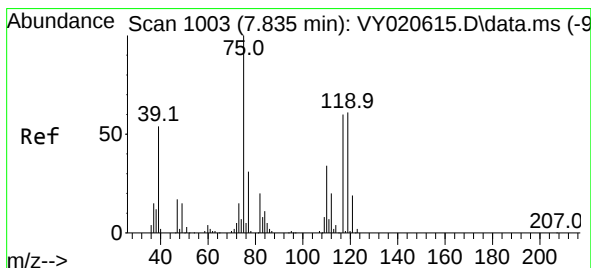
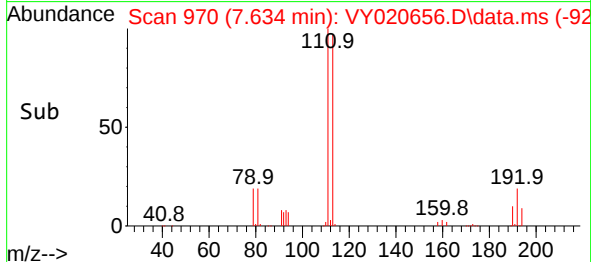
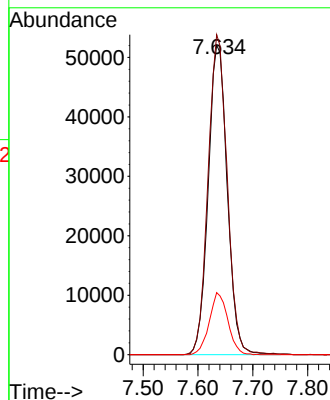
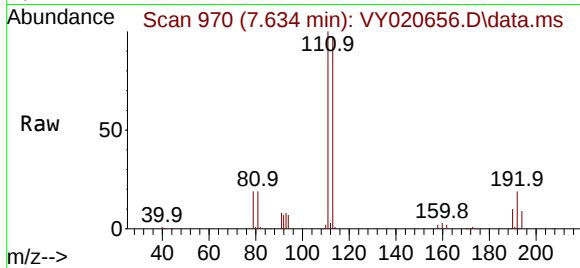




#35
Dibromofluoromethane
Concen: 55.244 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020656.D
Acq: 19 Dec 2024 15:36

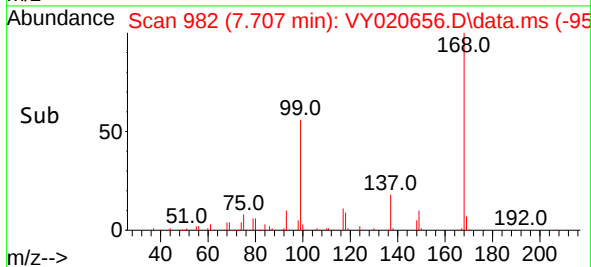
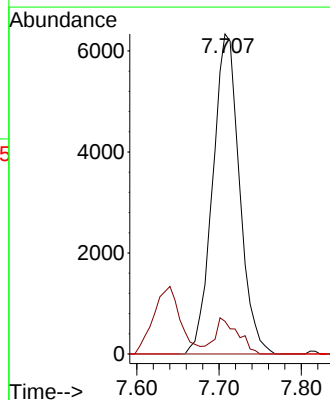
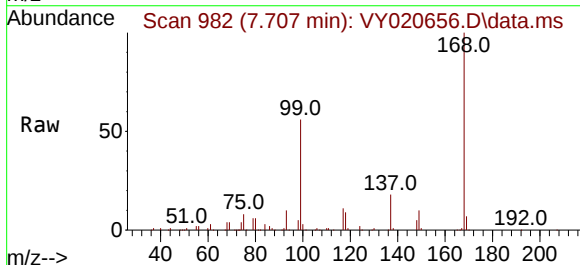
Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-11-121224

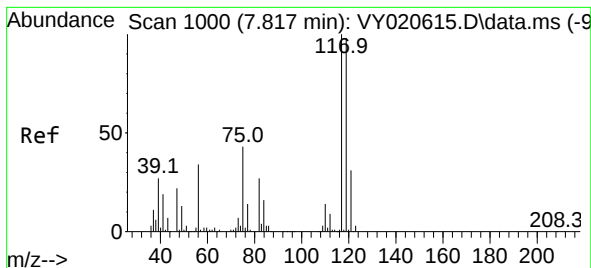
Tgt Ion:113 Resp: 125708
Ion Ratio Lower Upper
113 100
111 103.9 82.9 124.3
192 19.5 15.7 23.5



#36
1,1-Dichloropropene
Concen: 3.459 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY020656.D
Acq: 19 Dec 2024 15:36

Tgt Ion: 75 Resp: 14354
Ion Ratio Lower Upper
75 100
110 9.9 16.8 50.4#
77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 4.079 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY020656.D

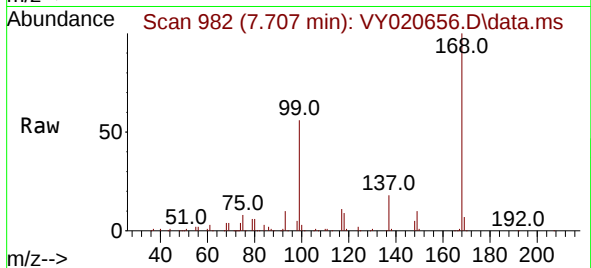
Acq: 19 Dec 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

OU4-VSL-11-121224



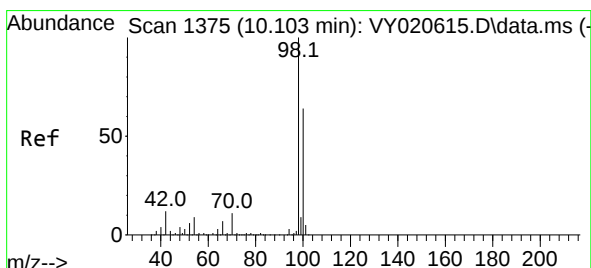
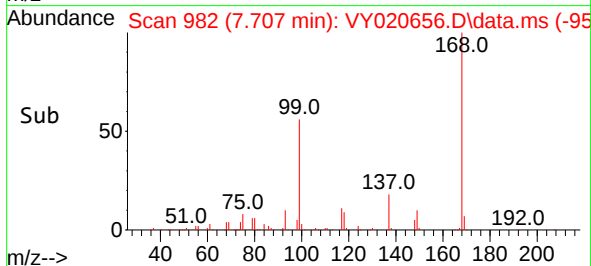
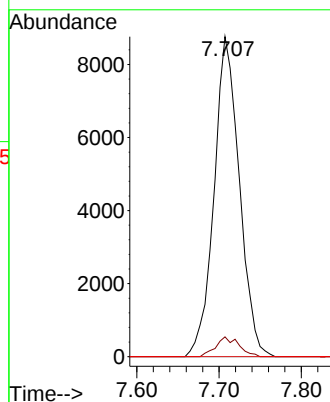
Tgt Ion:117 Resp: 18725

Ion Ratio Lower Upper

117 100

119 6.2 78.3 117.5#

121 0.0 25.1 37.7#



#50

Toluene-d8

Concen: 58.703 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY020656.D

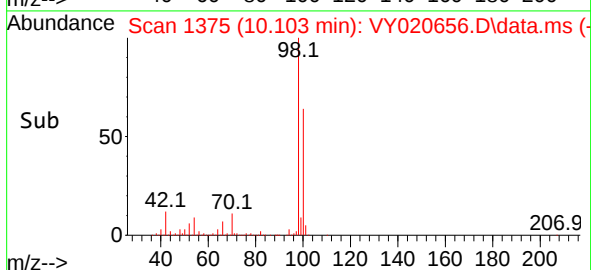
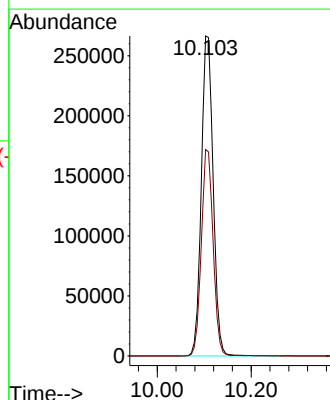
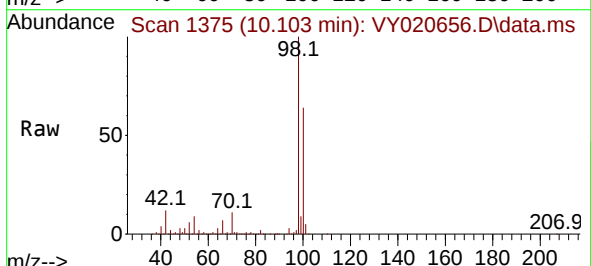
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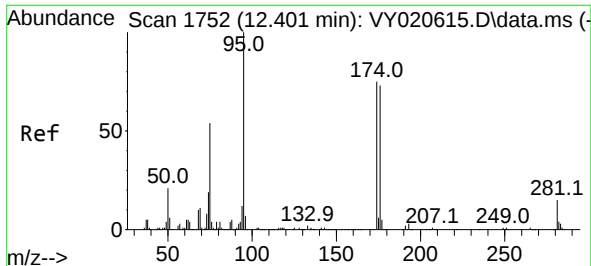
Tgt Ion: 98 Resp: 467544

Ion Ratio Lower Upper

98 100

100 64.1 52.1 78.1

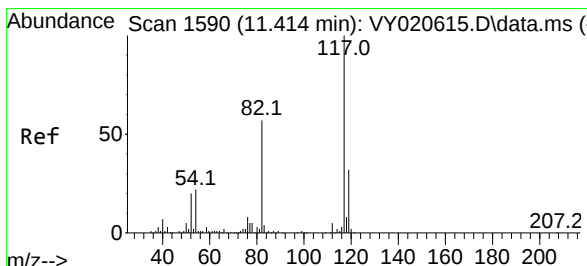
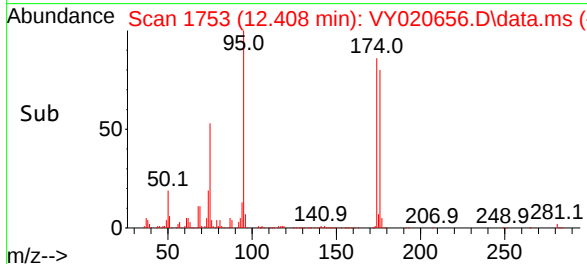
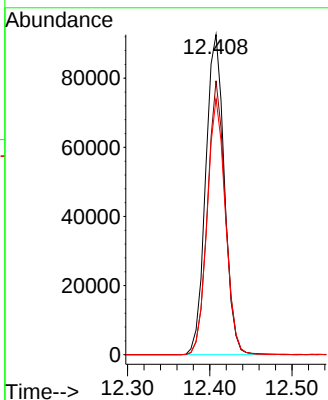
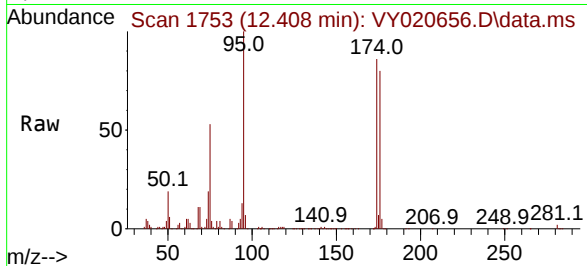




#62
4-Bromofluorobenzene
Concen: 46.831 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020656.D
Acq: 19 Dec 2024 15:36

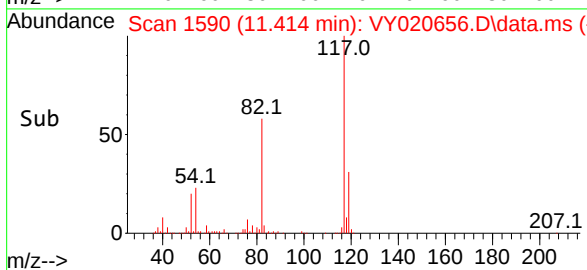
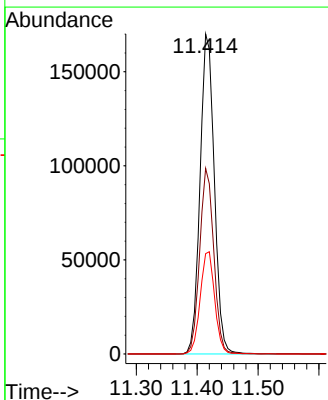
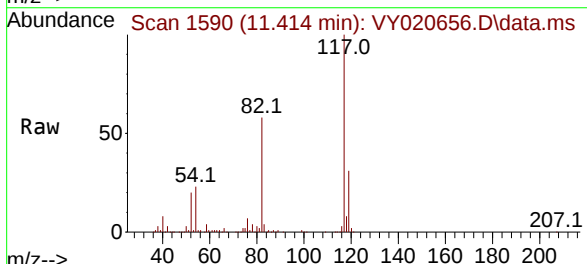
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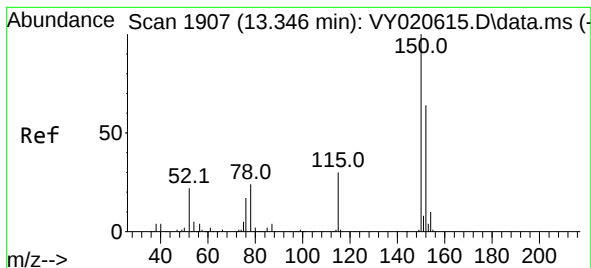
Tgt Ion:	95	Resp:	145902
Ion Ratio	Lower	Upper	
95	100		
174	81.6	0.0	161.8
176	78.2	0.0	156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY020656.D
Acq: 19 Dec 2024 15:36

Tgt Ion:	117	Resp:	277473
Ion Ratio	Lower	Upper	
117	100		
82	58.0	45.8	68.6
119	31.4	25.3	37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020656.D

Acq: 19 Dec 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

OU4-VSL-11-121224

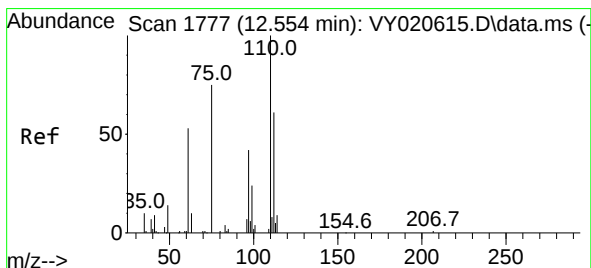
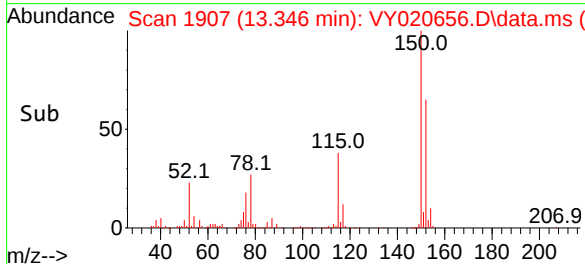
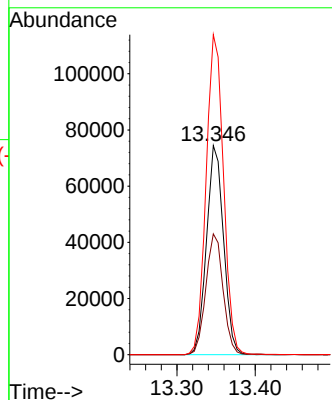
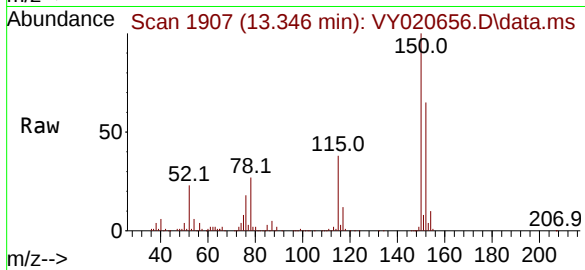
Tgt Ion:152 Resp: 112091

Ion Ratio Lower Upper

152 100

115 58.6 30.2 90.6

150 156.3 0.0 355.4



#76

1,2,3-Trichloropropane

Concen: 66.027 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY020656.D

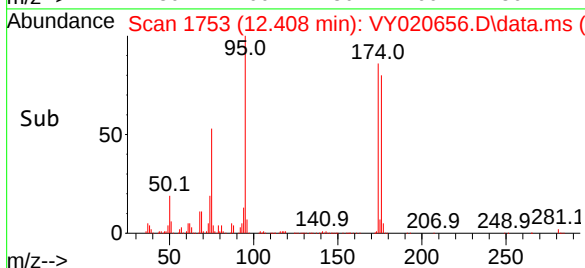
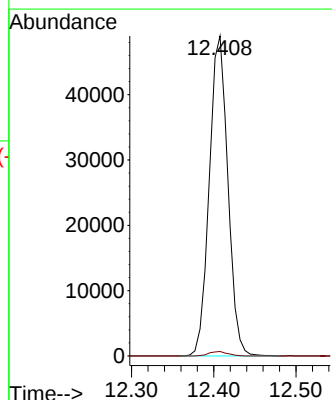
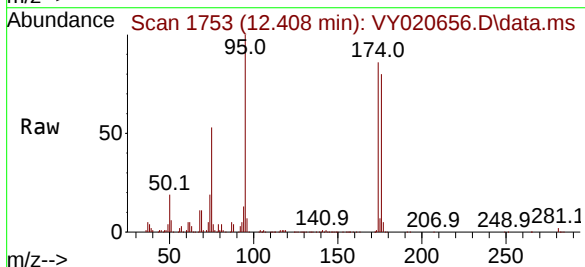
Acq: 19 Dec 2024 15:36

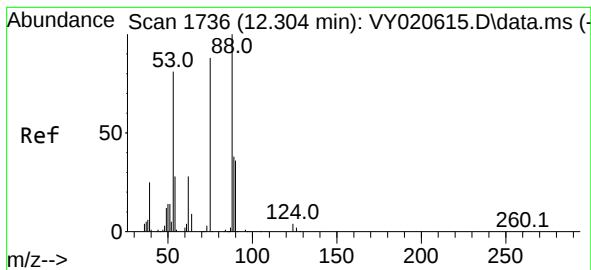
Tgt Ion: 75 Resp: 76882

Ion Ratio Lower Upper

75 100

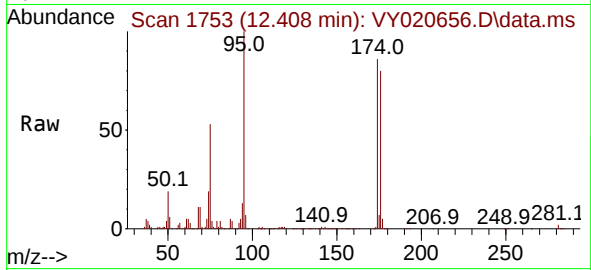
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.593 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY020656.D
 Acq: 19 Dec 2024 15:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-VSL-11-121224



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	75.4	113.2#
89	0.1	37.0	55.4#

