

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
 Data File : VY020658.D
 Acq On : 19 Dec 2024 16:23
 Operator : SY/MD
 Sample : P5306-13
 Misc : 5.54g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-VSL-13-121224

Quant Time: Dec 20 00:56:41 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)

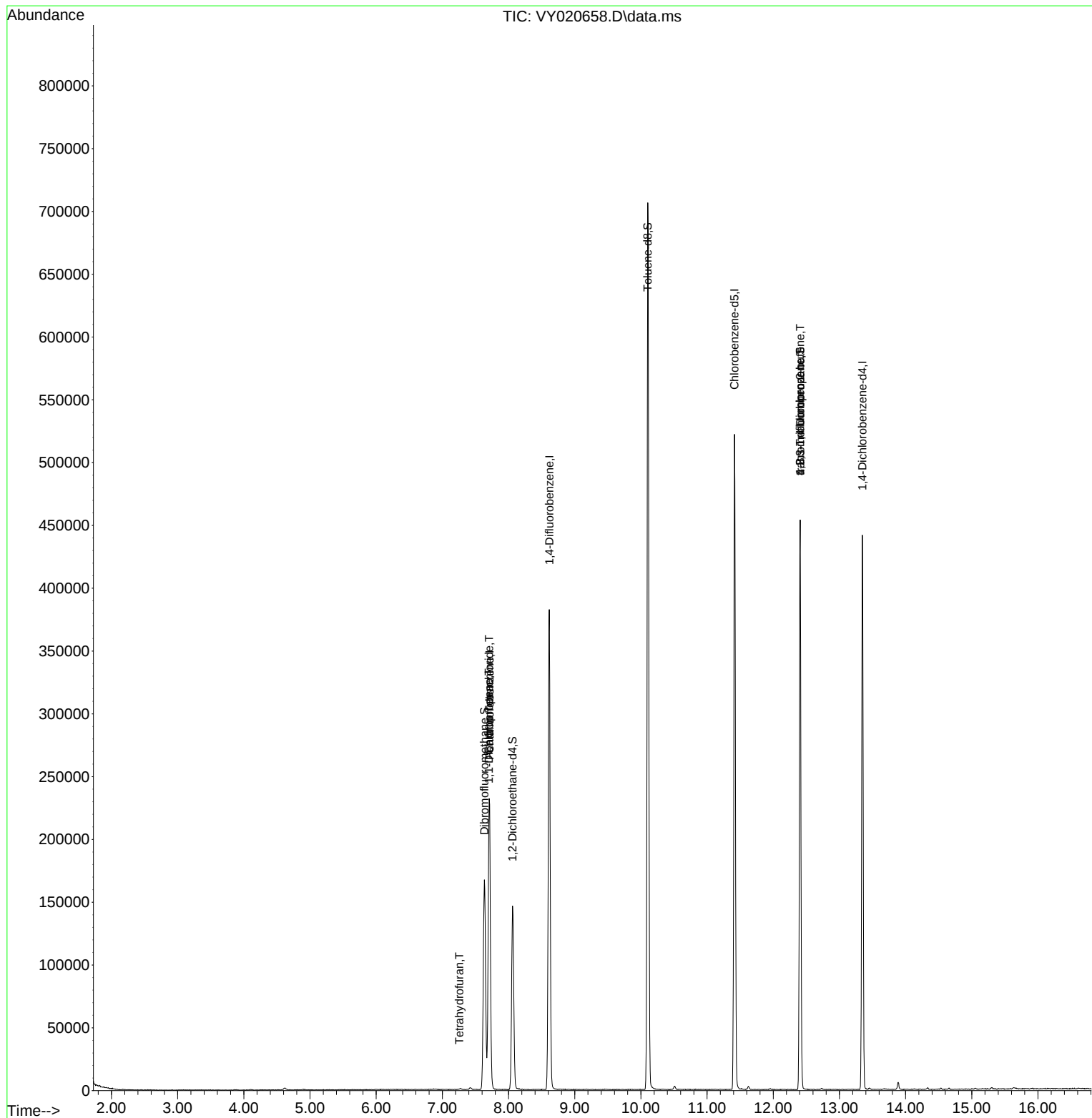
Internal Standards						
1) Pentafluorobenzene	7.713	168	180951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	321451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	274829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	108145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	117357	59.217	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.440%
35) Dibromofluoromethane	7.634	113	119965	52.953	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.900%
50) Toluene-d8	10.103	98	461999	58.262	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	116.520%
62) 4-Bromofluorobenzene	12.408	95	139685	45.033	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	90.060%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	18	Below Cal	#	75
16) Acetone	3.860	43	622	Below Cal	#	43
29) Tetrahydrofuran	7.256	42	580	1.247	ug/l #	80
30) Chloroform	7.427	83	1463	Below Cal		99
36) 1,1-Dichloropropene	7.701	75	13877	3.359	ug/l #	51
38) Carbon Tetrachloride	7.707	117	18675	4.086	ug/l #	14
76) 1,2,3-Trichloropropane	12.408	75	74632	66.433	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	74632	139.446	ug/l #	12

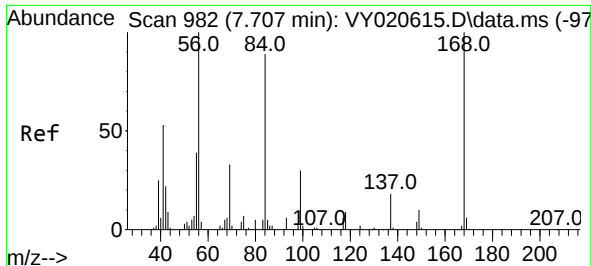
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OU4-VSL-13-121224

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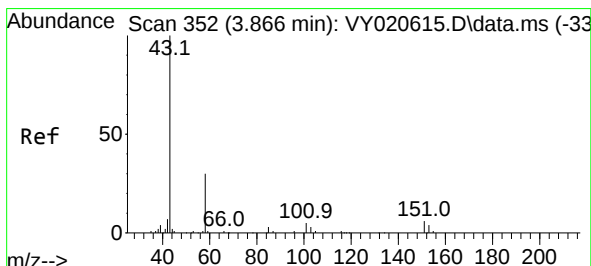
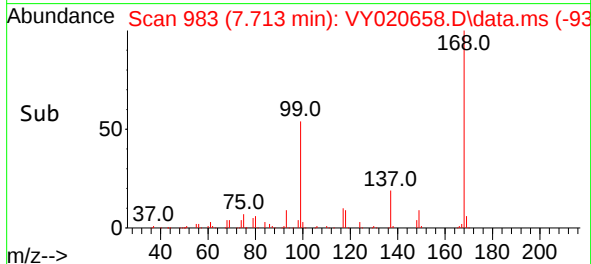
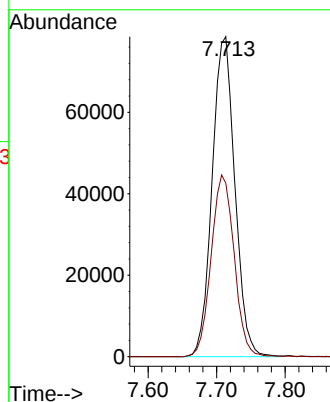
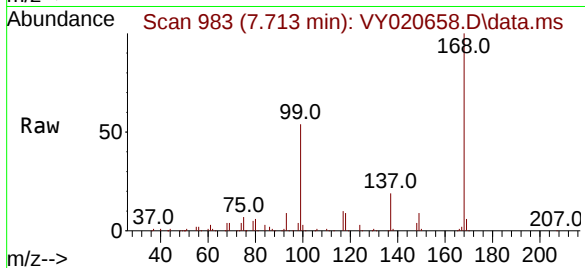




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020658.D
Acq: 19 Dec 2024 16:23

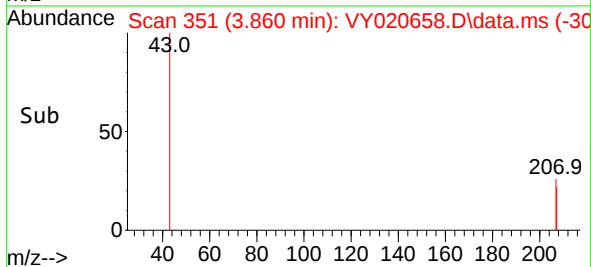
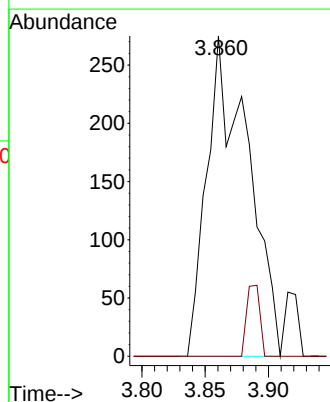
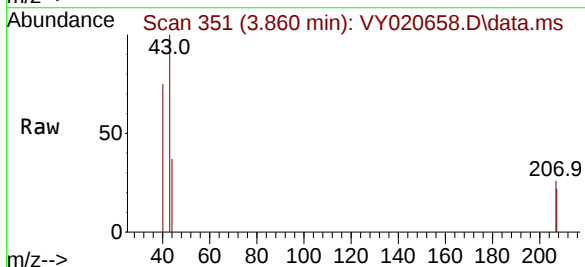
Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-13-121224

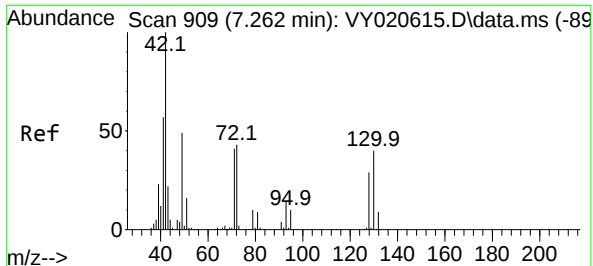
Tgt Ion:168 Resp: 180951
Ion Ratio Lower Upper
168 100
99 54.2 47.0 70.6



#16
Acetone
Concen: Below Cal
RT: 3.860 min Scan# 351
Delta R.T. -0.006 min
Lab File: VY020658.D
Acq: 19 Dec 2024 16:23

Tgt Ion: 43 Resp: 622
Ion Ratio Lower Upper
43 100
58 0.0 25.0 37.6#





#29

Tetrahydrofuran

Concen: 1.247 ug/l

RT: 7.256 min Scan# 908

Delta R.T. -0.006 min

Lab File: VY020658.D

Acq: 19 Dec 2024 16:23

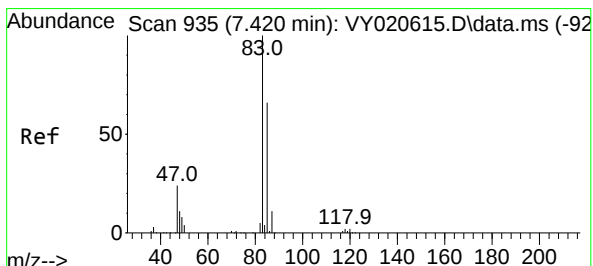
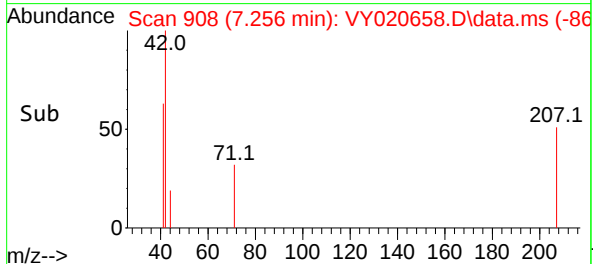
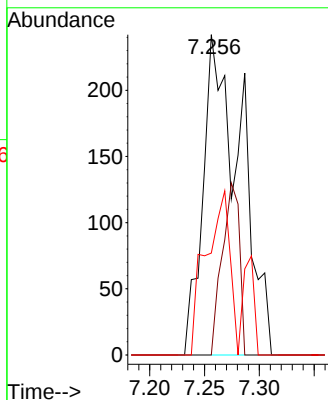
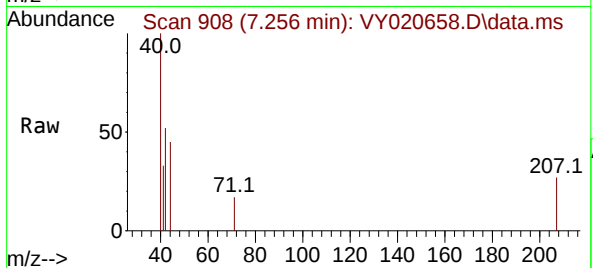
Instrument :

MSVOA_Y

ClientSampleId :

OU4-VSL-13-121224

Tgt Ion:	42	Resp:	580
Ion	Ratio	Lower	Upper
42	100		
72	24.5	34.0	51.0#
71	32.8	31.6	47.4



#30

Chloroform

Concen: Below Cal

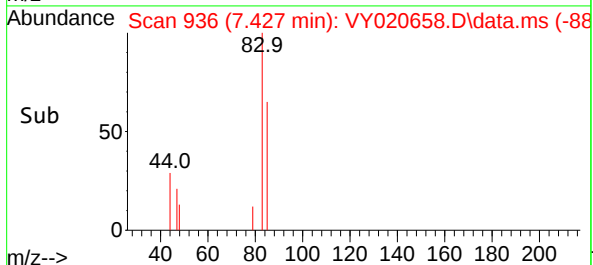
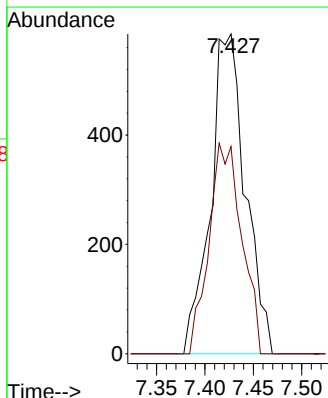
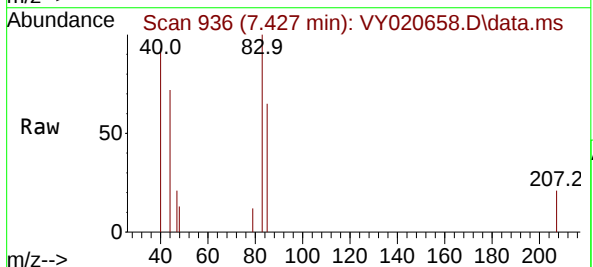
RT: 7.427 min Scan# 936

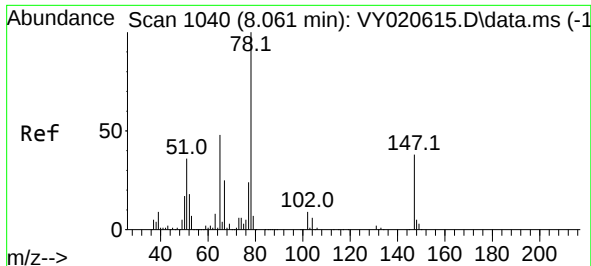
Delta R.T. 0.007 min

Lab File: VY020658.D

Acq: 19 Dec 2024 16:23

Tgt Ion:	83	Resp:	1463
Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.7	79.1





#33

1,2-Dichloroethane-d4

Concen: 59.217 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY020658.D

Acq: 19 Dec 2024 16:23

Instrument :

MSVOA_Y

ClientSampleId :

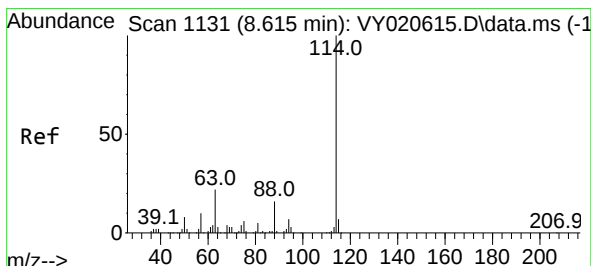
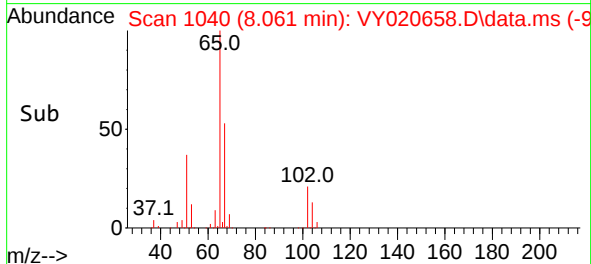
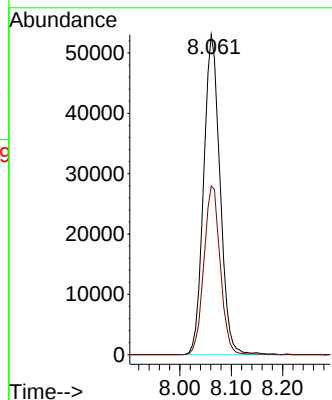
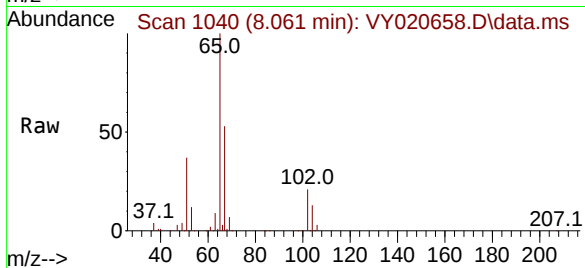
OU4-VSL-13-121224

Tgt Ion: 65 Resp: 117357

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: VY020658.D

Acq: 19 Dec 2024 16:23

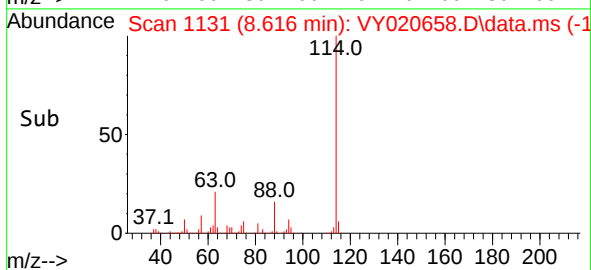
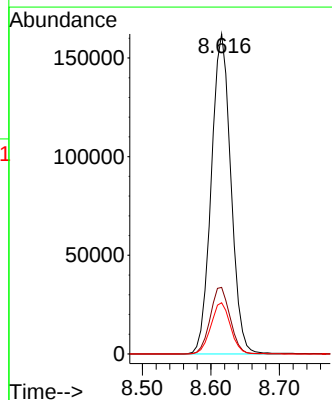
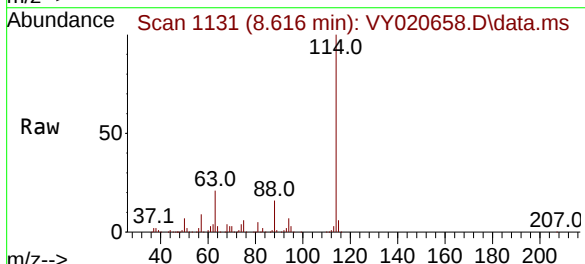
Tgt Ion: 114 Resp: 321451

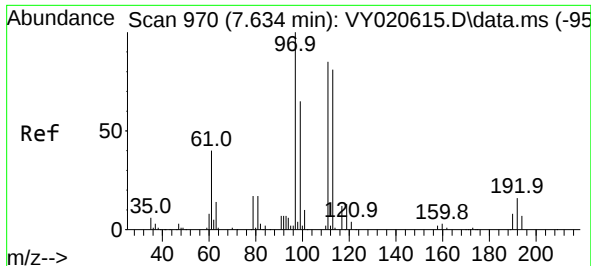
Ion Ratio Lower Upper

114 100

63 20.8 0.0 44.0

88 16.0 0.0 32.8

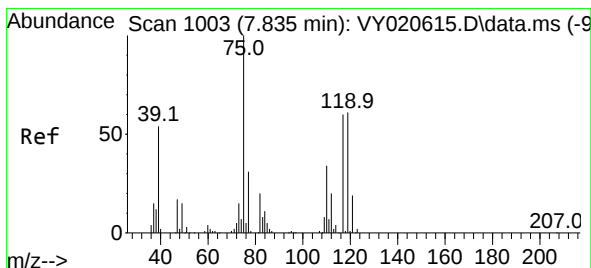
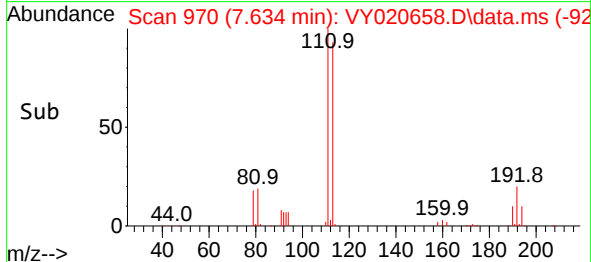
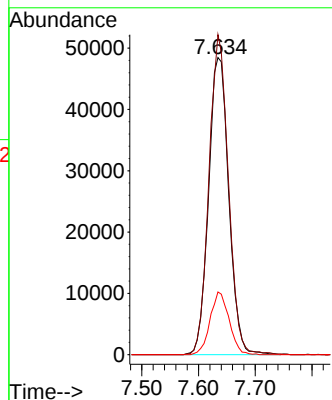
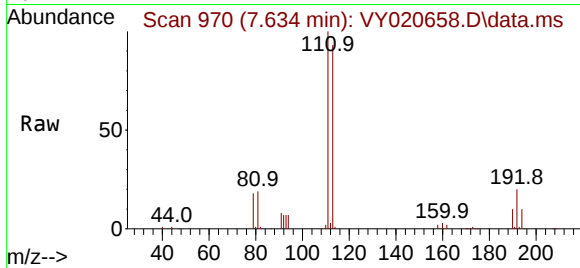




#35
Dibromofluoromethane
Concen: 52.953 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020658.D
Acq: 19 Dec 2024 16:23

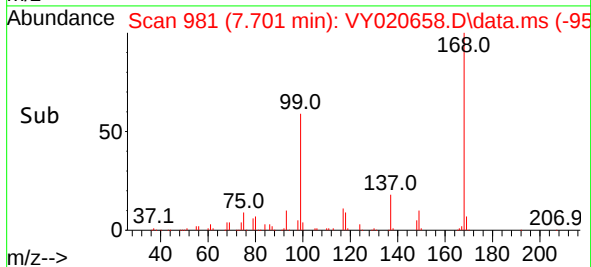
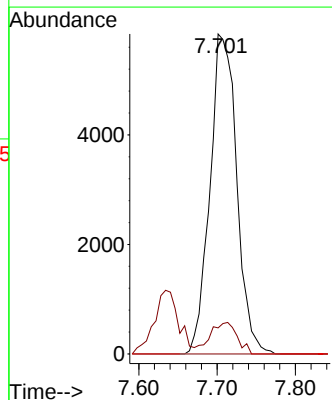
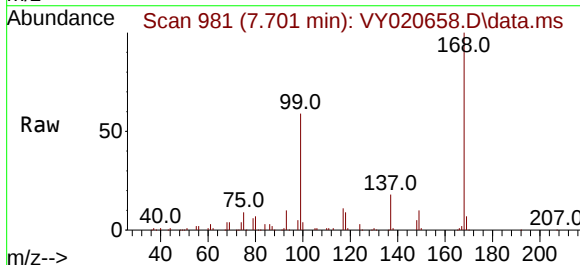
Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-13-121224

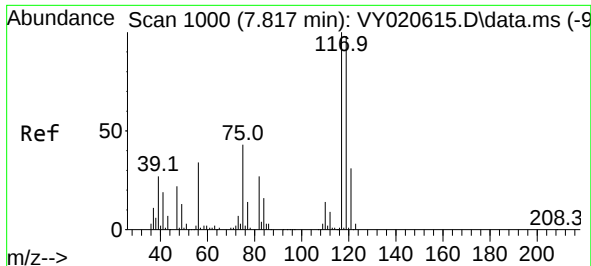
Tgt Ion:113 Resp: 119965
Ion Ratio Lower Upper
113 100
111 103.8 82.9 124.3
192 19.9 15.7 23.5



#36
1,1-Dichloropropene
Concen: 3.359 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY020658.D
Acq: 19 Dec 2024 16:23

Tgt Ion: 75 Resp: 13877
Ion Ratio Lower Upper
75 100
110 10.0 16.8 50.4#
77 0.0 25.0 37.6#

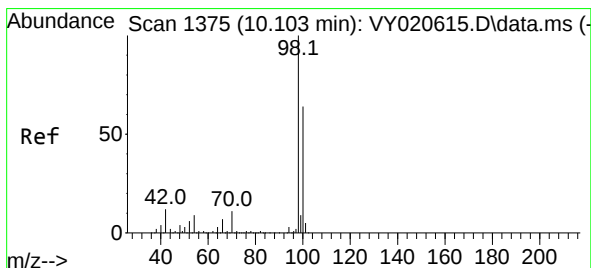
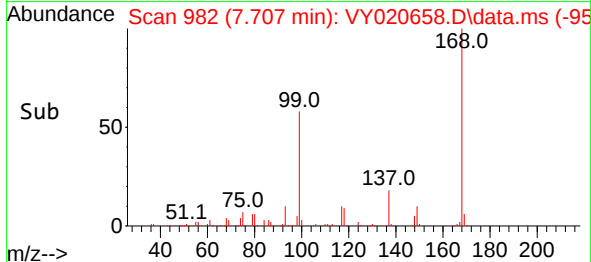
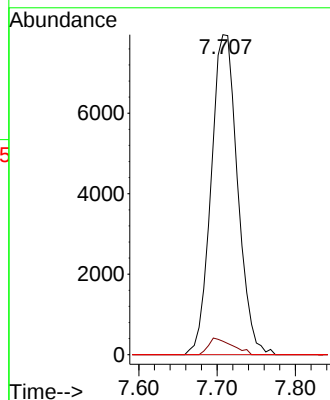
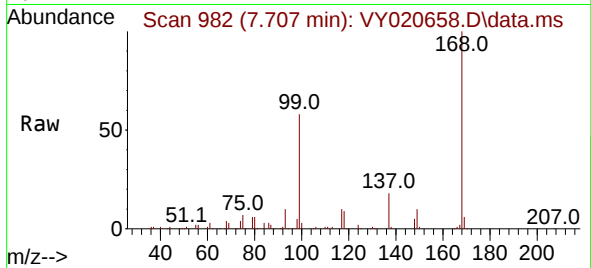




#38
Carbon Tetrachloride
Concen: 4.086 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY020658.D
Acq: 19 Dec 2024 16:23

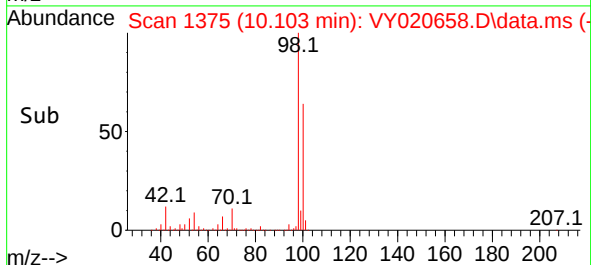
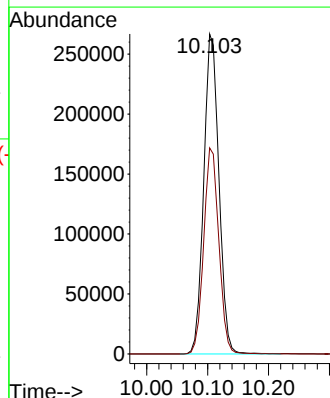
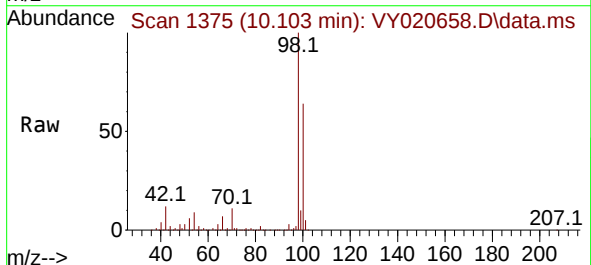
Instrument :
MSVOA_Y
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OU4-VSL-13-121224

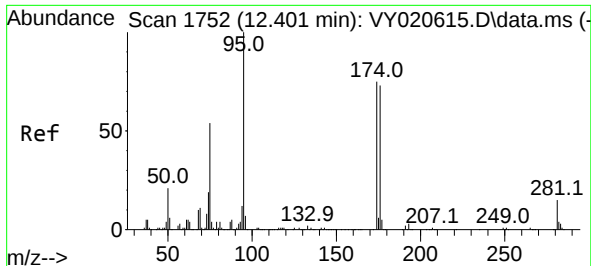
Tgt Ion:117 Resp: 18675
Ion Ratio Lower Upper
117 100
119 4.2 78.3 117.5#
121 0.0 25.1 37.7#



#50
Toluene-d8
Concen: 58.262 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020658.D
Acq: 19 Dec 2024 16:23

Tgt Ion: 98 Resp: 461999
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1

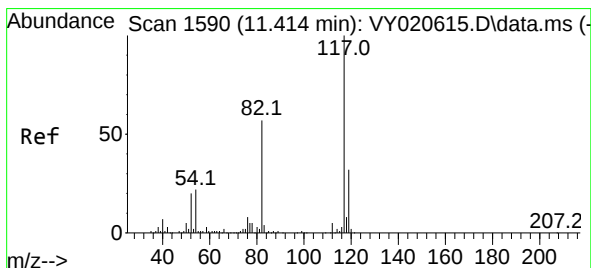
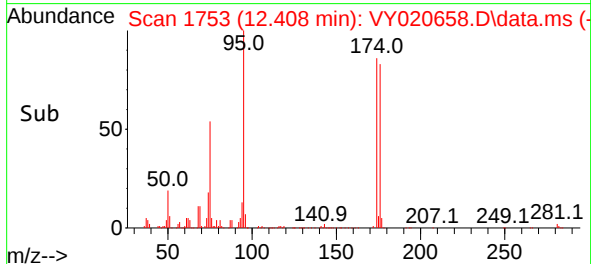
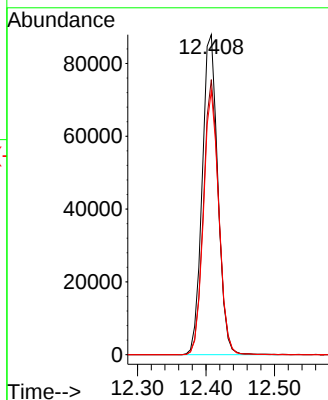
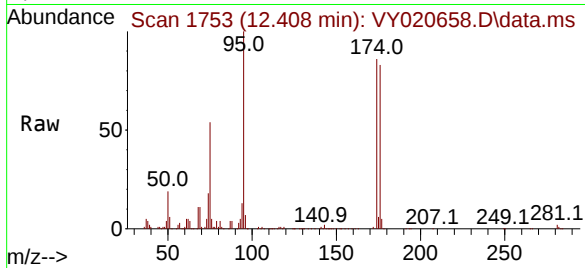




#62
4-Bromofluorobenzene
Concen: 45.033 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020658.D
Acq: 19 Dec 2024 16:23

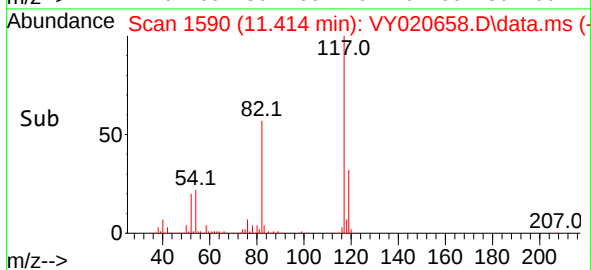
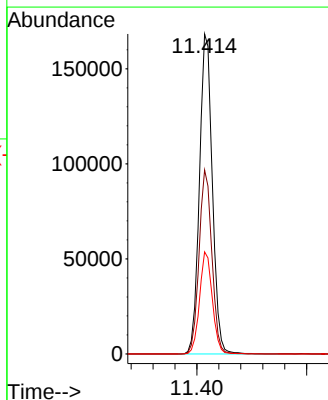
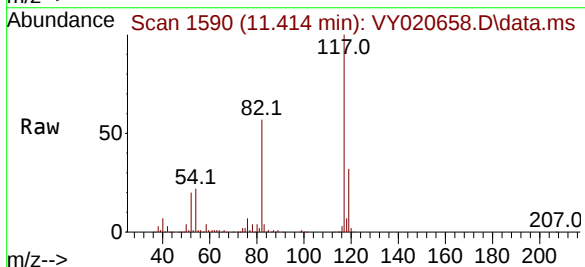
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OU4-VSL-13-121224

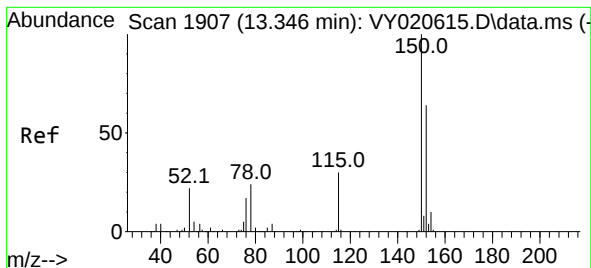
Tgt Ion: 95 Resp: 139685
Ion Ratio Lower Upper
95 100
174 83.3 0.0 161.8
176 81.0 0.0 156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY020658.D
Acq: 19 Dec 2024 16:23

Tgt Ion: 117 Resp: 274829
Ion Ratio Lower Upper
117 100
82 57.5 45.8 68.6
119 31.9 25.3 37.9

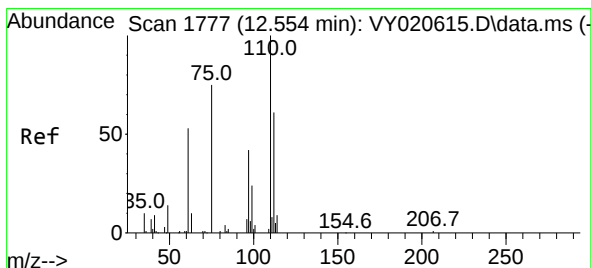
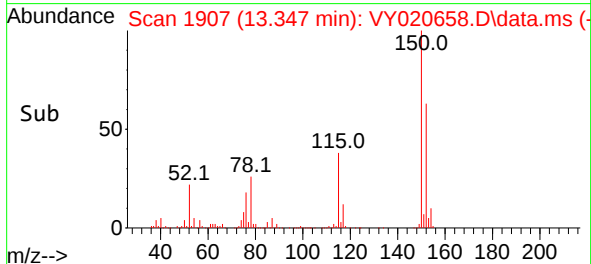
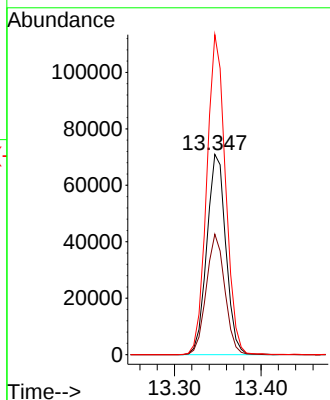
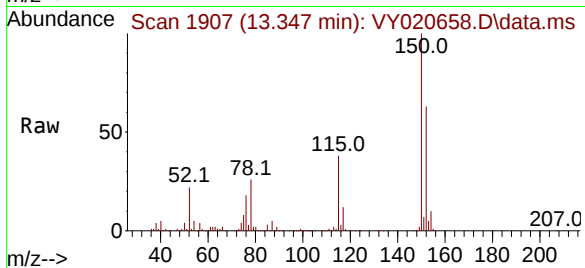




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020658.D
Acq: 19 Dec 2024 16:23

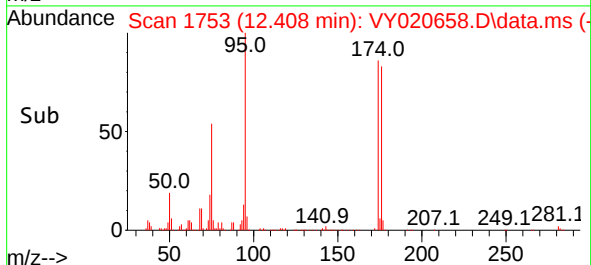
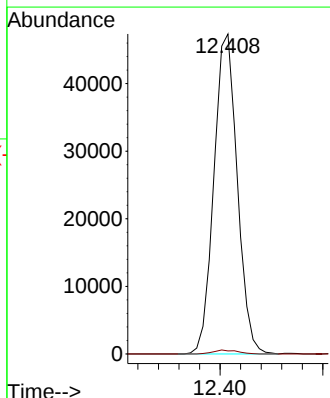
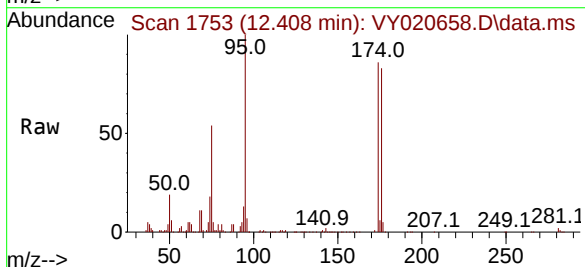
Instrument :
MSVOA_Y
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OU4-VSL-13-121224

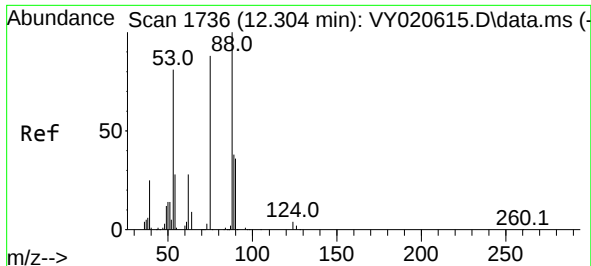
Tgt Ion:152 Resp: 108145
Ion Ratio Lower Upper
152 100
115 58.8 30.2 90.6
150 157.4 0.0 355.4



#76
1,2,3-Trichloropropane
Concen: 66.433 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY020658.D
Acq: 19 Dec 2024 16:23

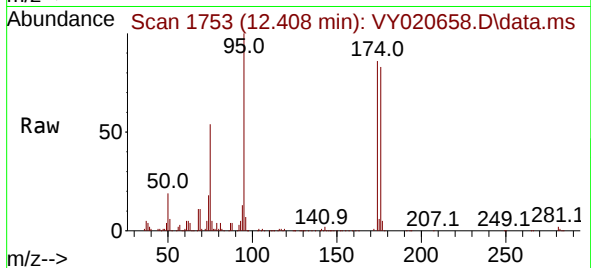
Tgt Ion: 75 Resp: 74632
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.446 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY020658.D
 Acq: 19 Dec 2024 16:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-VSL-13-121224



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

