

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021782.D
 Acq On : 04 Apr 2025 13:50
 Operator : SY/MD
 Sample : Q1730-03
 Misc : 5.22g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-VSL-16-040325

Quant Time: Apr 04 23:39:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

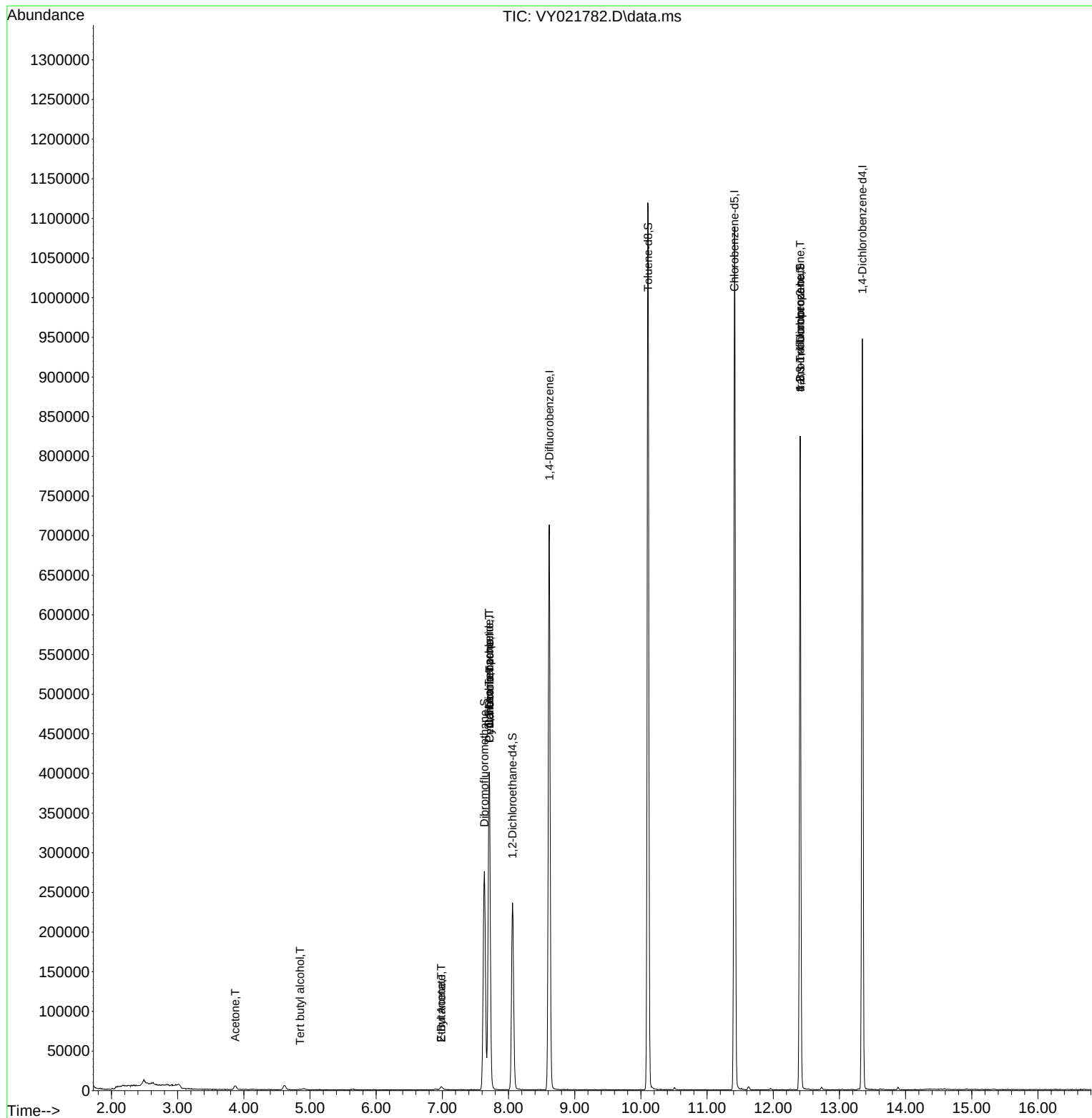
Internal Standards						
1) Pentafluorobenzene	7.713	168	302989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	591384	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	546276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	230456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	189545	57.739	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.480%
35) Dibromofluoromethane	7.634	113	194103	50.598	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.200%
50) Toluene-d8	10.109	98	722172	49.484	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.960%
62) 4-Bromofluorobenzene	12.408	95	236153	47.839	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.680%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	457	2.143	ug/l #	70
16) Acetone	3.873	43	9058	13.482	ug/l	97
20) Methylene Chloride	4.616	84	3555	Below Cal		93
25) 2-Butanone	6.982	43	6270	6.534	ug/l #	48
31) Cyclohexane	7.713	56	7282	1.257	ug/l #	17
36) 1,1-Dichloropropene	7.707	75	24385	4.173	ug/l #	52
37) Ethyl Acetate	6.982	43	6270	2.274	ug/l	99
38) Carbon Tetrachloride	7.707	117	30760	4.596	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	125403	54.895	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	125403	126.488	ug/l #	12

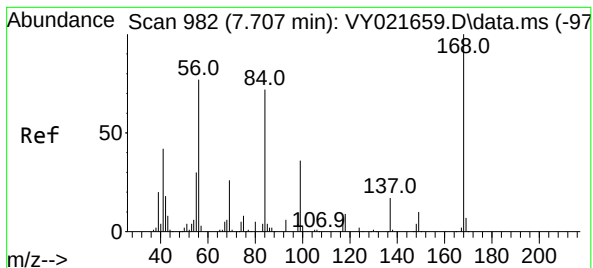
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY021782.D

Acq: 04 Apr 2025 13:50

Instrument :

MSVOA_Y

ClientSampleId :

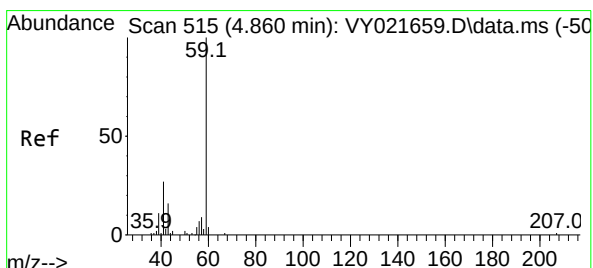
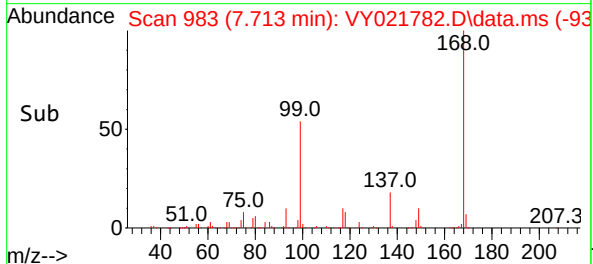
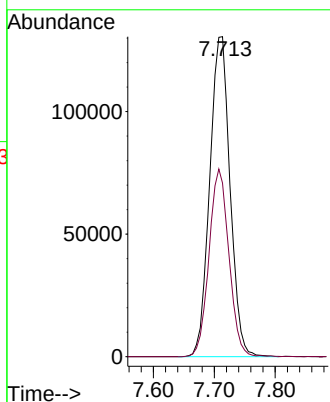
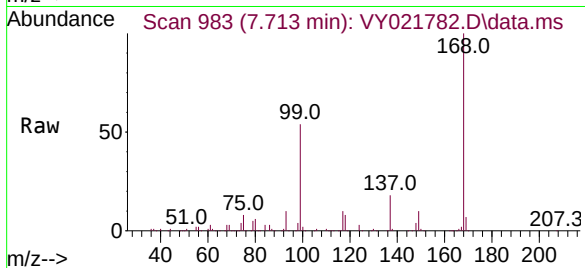
OU4-VSL-16-040325

Tgt Ion:168 Resp: 302989

Ion Ratio Lower Upper

168 100

99 54.3 46.7 70.1



#11

Tert butyl alcohol

Concen: 2.143 ug/l

RT: 4.848 min Scan# 513

Delta R.T. -0.012 min

Lab File: VY021782.D

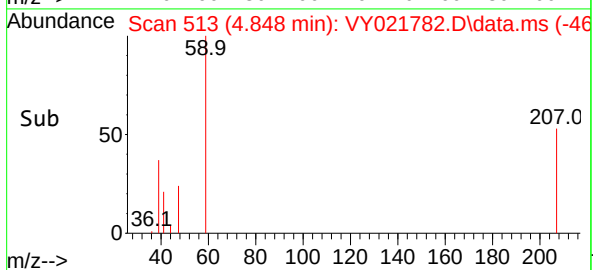
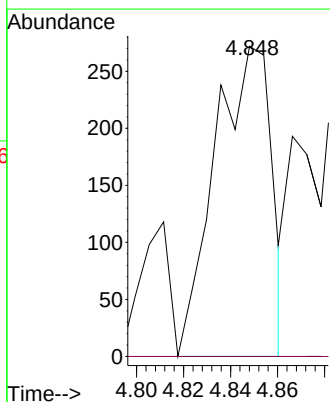
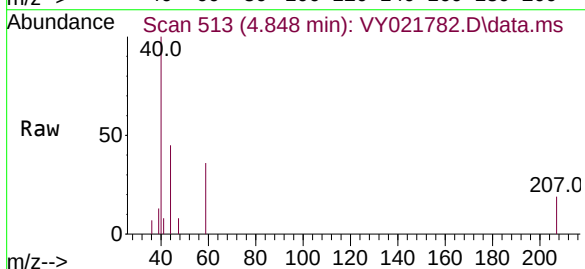
Acq: 04 Apr 2025 13:50

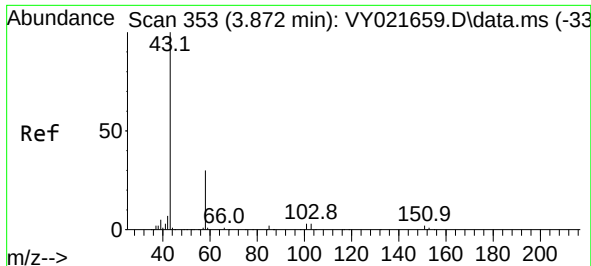
Tgt Ion: 59 Resp: 457

Ion Ratio Lower Upper

59 100

57 0.0 9.2 13.8#

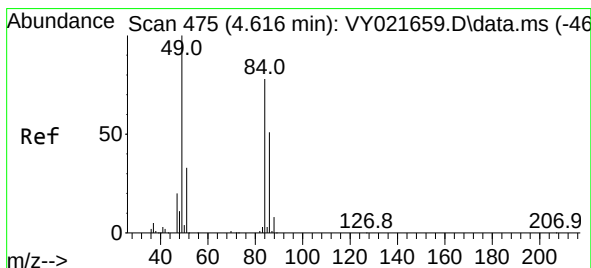
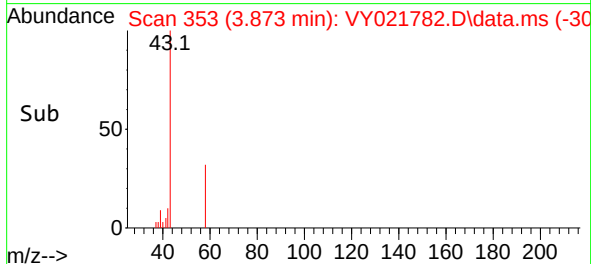
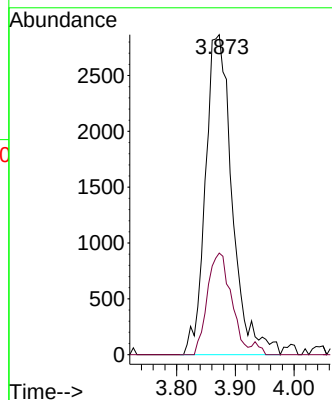
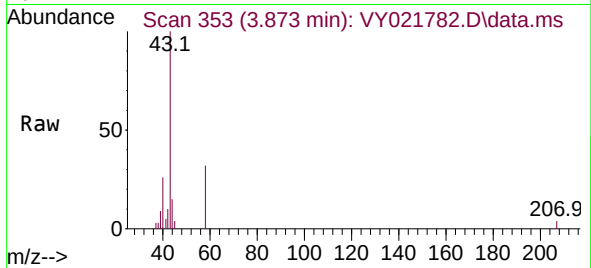




#16
Acetone
Concen: 13.482 ug/l
RT: 3.873 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY021782.D
Acq: 04 Apr 2025 13:50

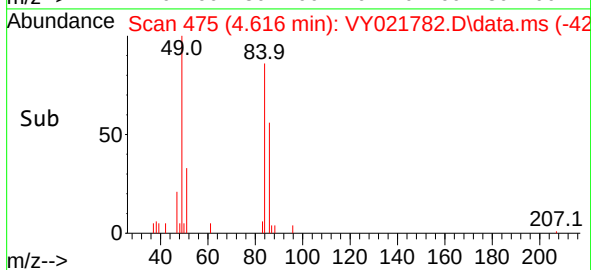
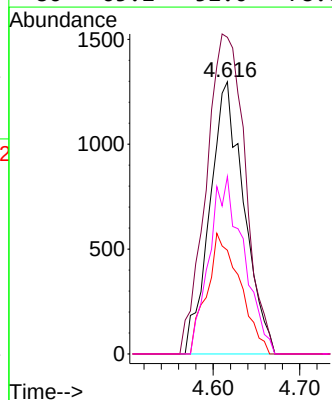
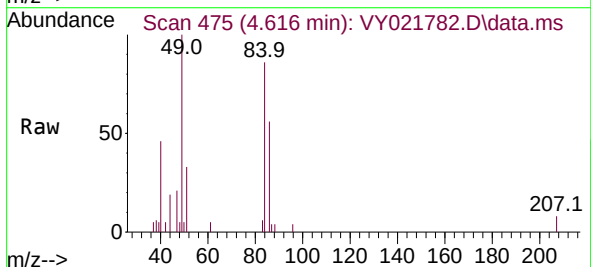
Instrument :
MSVOA_Y
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OU4-VSL-16-040325

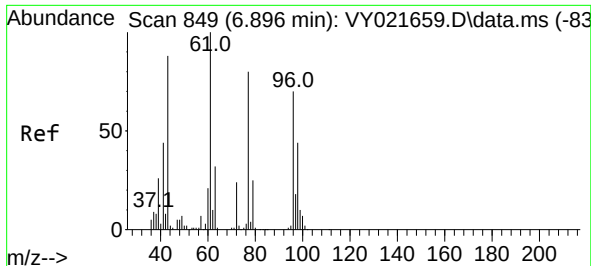
Tgt Ion: 43 Resp: 9058
Ion Ratio Lower Upper
43 100
58 31.8 24.2 36.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021782.D
Acq: 04 Apr 2025 13:50

Tgt Ion: 84 Resp: 3555
Ion Ratio Lower Upper
84 100
49 116.3 102.8 154.2
51 38.1 33.5 50.3
86 65.2 52.0 78.0





#25

2-Butanone

Concen: 6.534 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.086 min

Lab File: VY021782.D

Acq: 04 Apr 2025 13:50

Instrument :

MSVOA_Y

ClientSampleId :

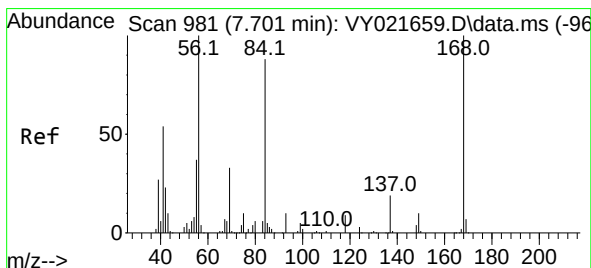
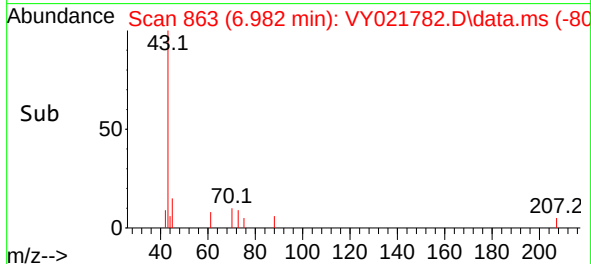
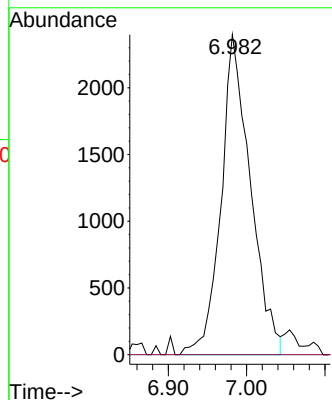
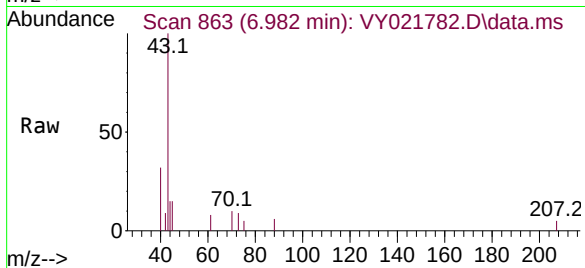
OU4-VSL-16-040325

Tgt Ion: 43 Resp: 6270

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.257 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.012 min

Lab File: VY021782.D

Acq: 04 Apr 2025 13:50

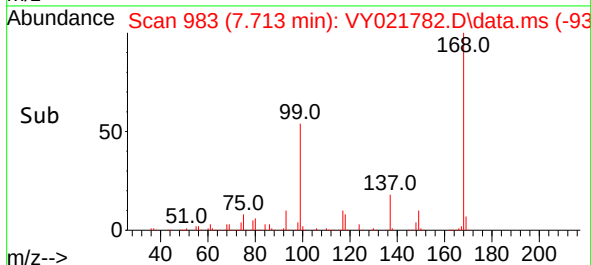
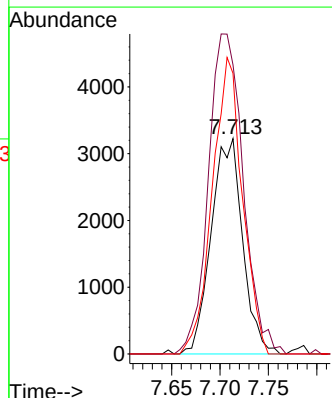
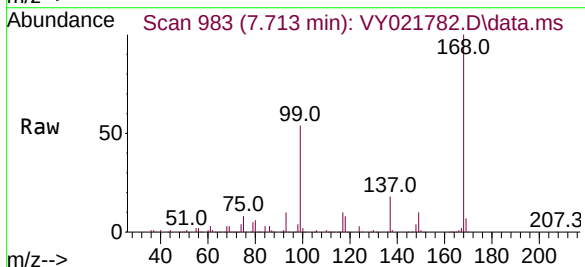
Tgt Ion: 56 Resp: 7282

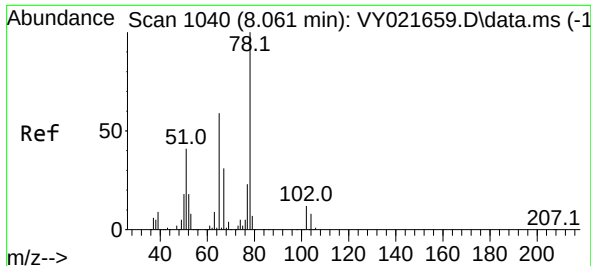
Ion Ratio Lower Upper

56 100

69 132.3 26.6 40.0#

84 130.3 69.0 103.4#





#33

1,2-Dichloroethane-d4

Concen: 57.739 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021782.D

Acq: 04 Apr 2025 13:50

Instrument :

MSVOA_Y

ClientSampleId :

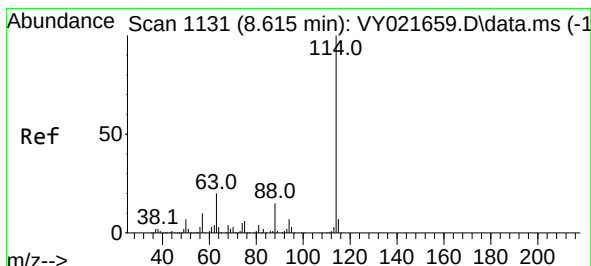
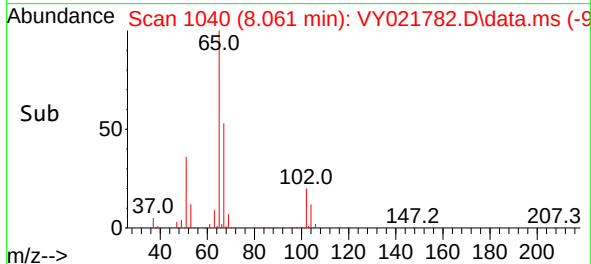
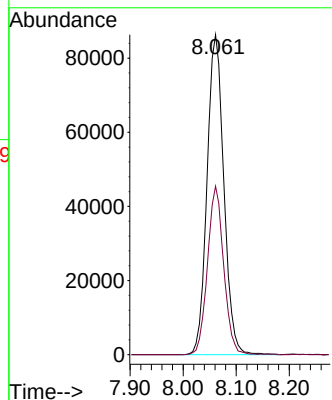
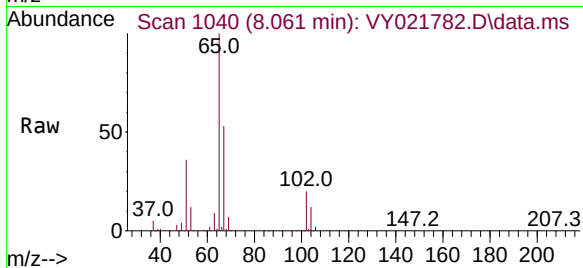
OU4-VSL-16-040325

Tgt Ion: 65 Resp: 189545

Ion Ratio Lower Upper

65 100

67 50.7 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021782.D

Acq: 04 Apr 2025 13:50

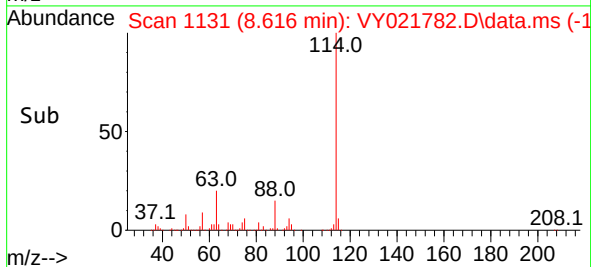
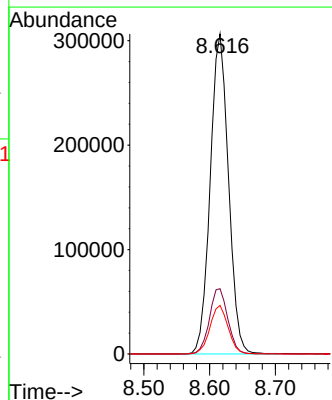
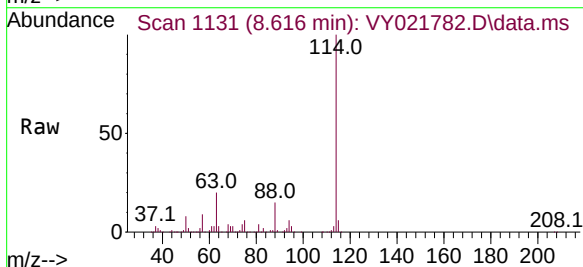
Tgt Ion: 114 Resp: 591384

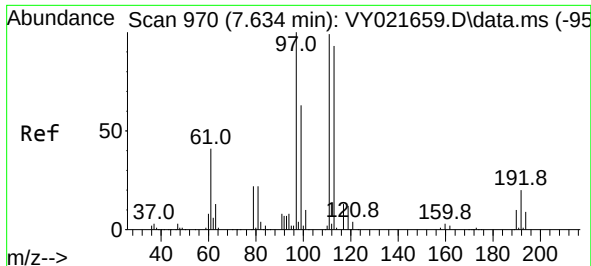
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.2

88 15.1 0.0 29.8

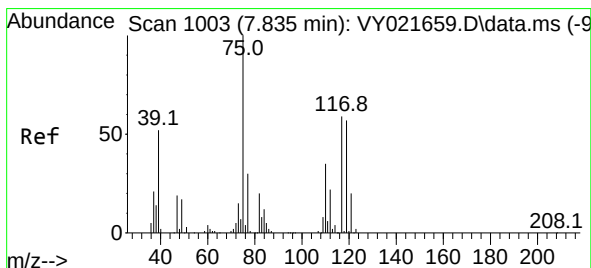
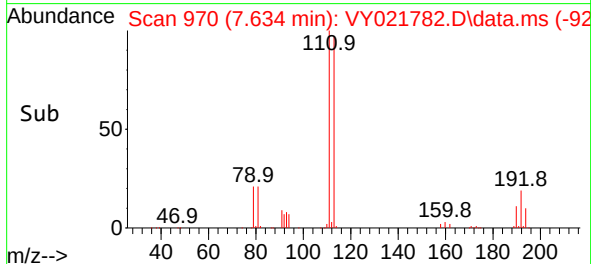
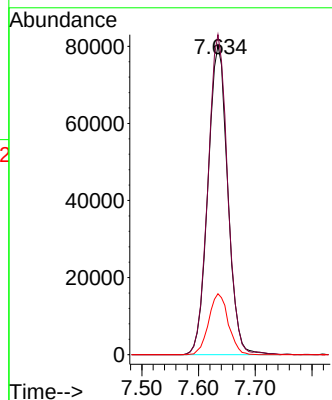
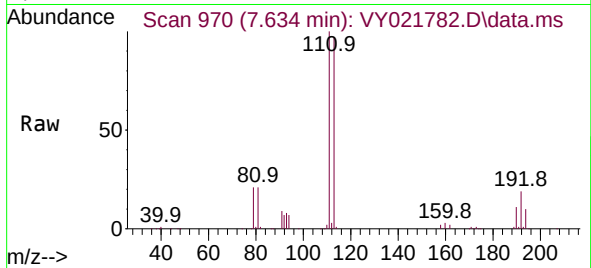




#35
Dibromofluoromethane
Concen: 50.598 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021782.D
Acq: 04 Apr 2025 13:50

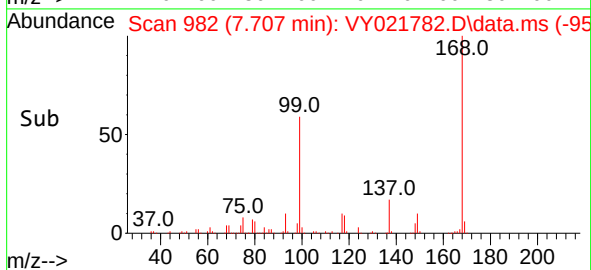
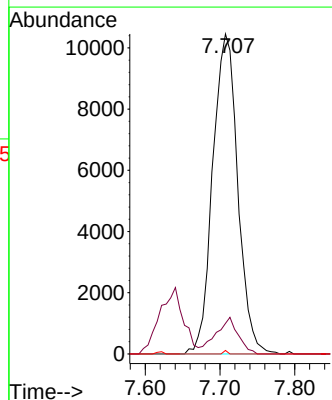
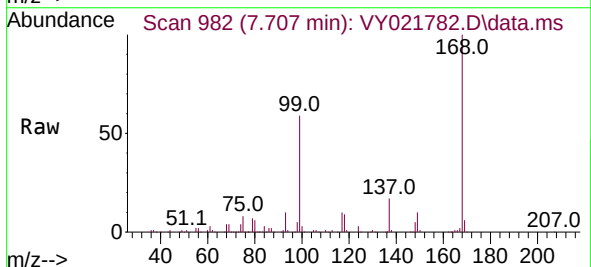
Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-16-040325

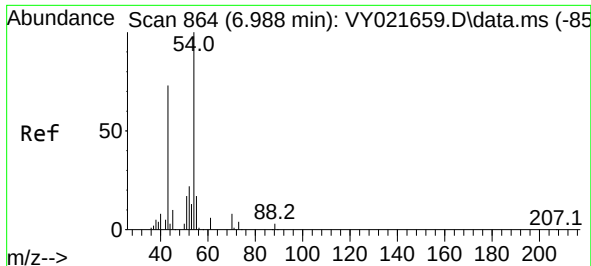
Tgt Ion:113 Resp: 194103
Ion Ratio Lower Upper
113 100
111 102.6 82.6 123.8
192 19.5 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.173 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021782.D
Acq: 04 Apr 2025 13:50

Tgt Ion: 75 Resp: 24385
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.2 24.8 37.2#





#37

Ethyl Acetate

Concen: 2.274 ug/l

RT: 6.982 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY021782.D

Acq: 04 Apr 2025 13:50

Instrument :

MSVOA_Y

ClientSampleId :

OU4-VSL-16-040325

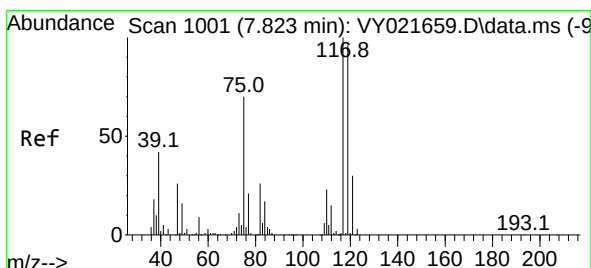
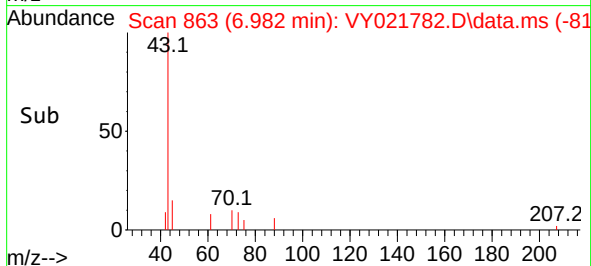
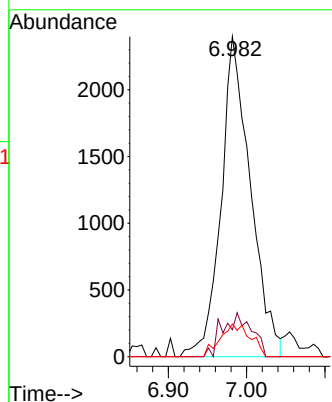
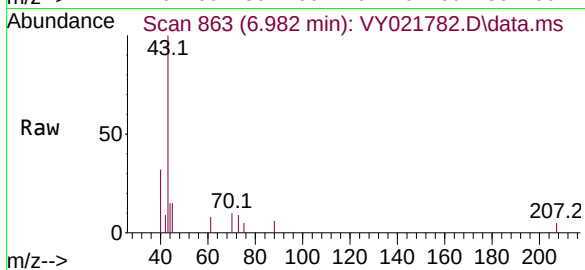
Tgt Ion: 43 Resp: 6270

Ion Ratio Lower Upper

43 100

61 13.5 11.0 16.6

70 10.4 8.1 12.1



#38

Carbon Tetrachloride

Concen: 4.596 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021782.D

Acq: 04 Apr 2025 13:50

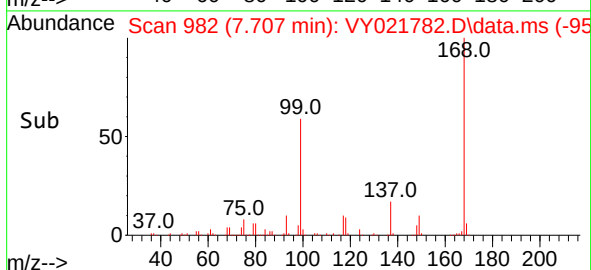
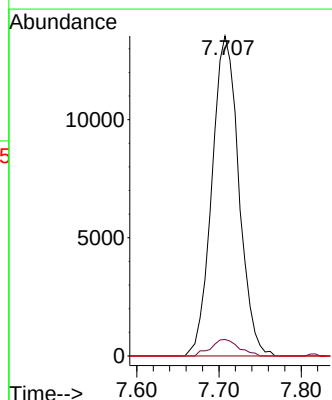
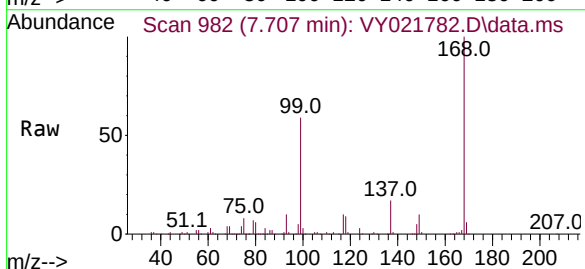
Tgt Ion: 117 Resp: 30760

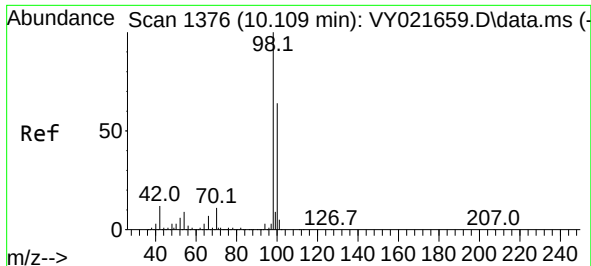
Ion Ratio Lower Upper

117 100

119 5.2 76.2 114.4#

121 0.0 24.2 36.4#

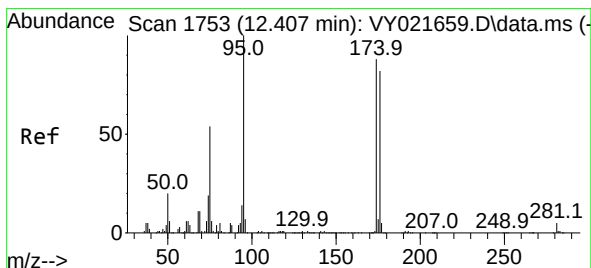
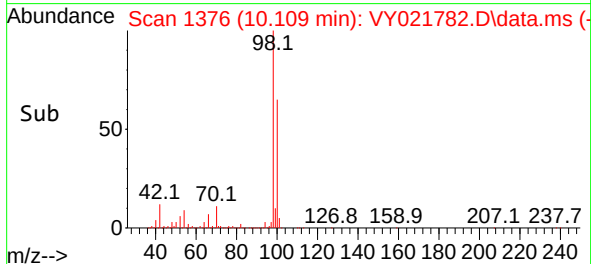
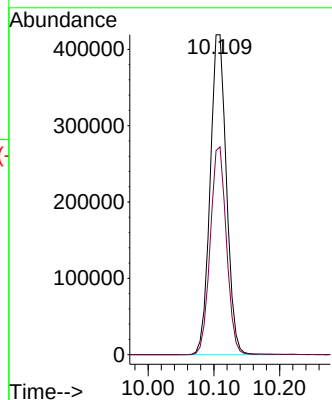
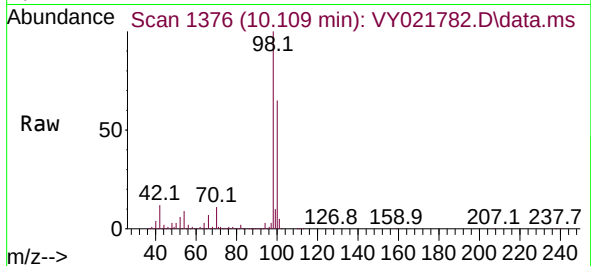




#50
Toluene-d8
Concen: 49.484 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021782.D
Acq: 04 Apr 2025 13:50

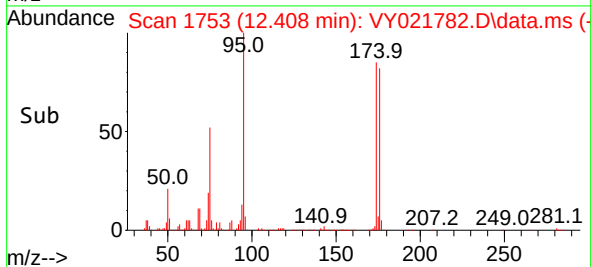
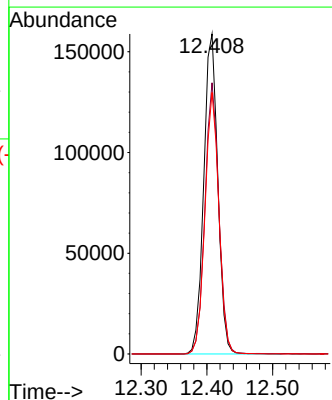
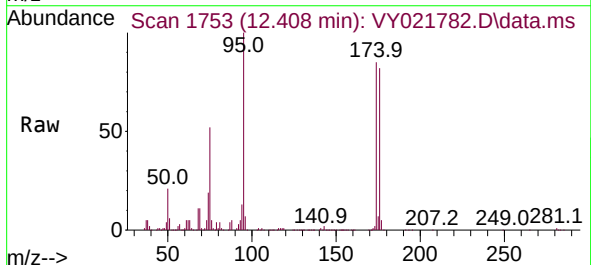
Instrument :
MSVOA_Y
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OU4-VSL-16-040325

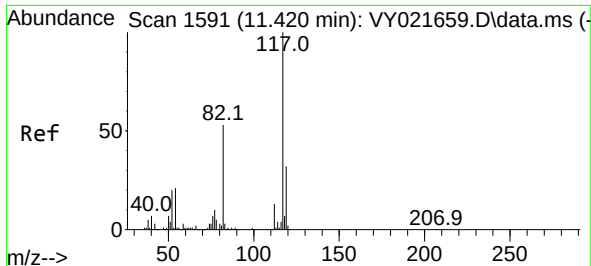
Tgt Ion: 98 Resp: 722172
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.839 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021782.D
Acq: 04 Apr 2025 13:50

Tgt Ion: 95 Resp: 236153
Ion Ratio Lower Upper
95 100
174 83.5 0.0 170.8
176 81.0 0.0 162.0

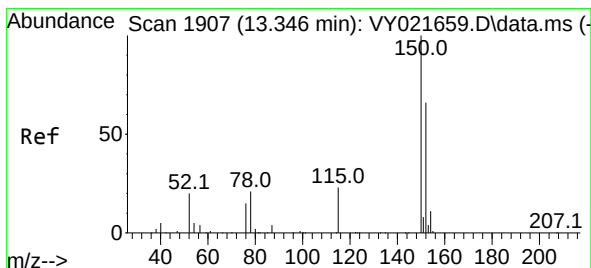
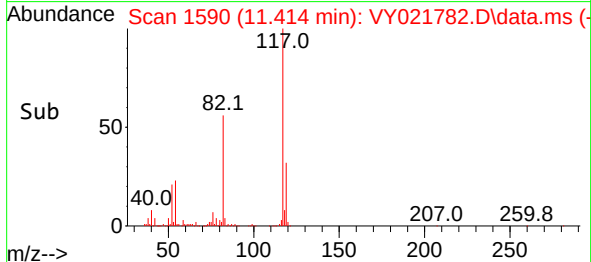
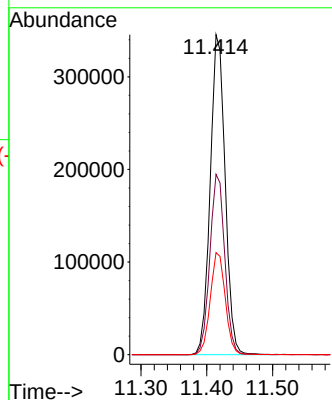
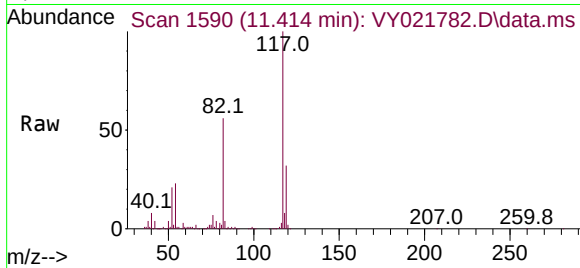




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021782.D
Acq: 04 Apr 2025 13:50

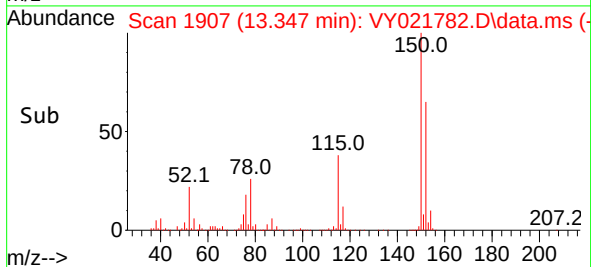
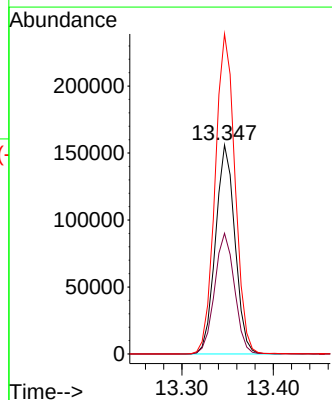
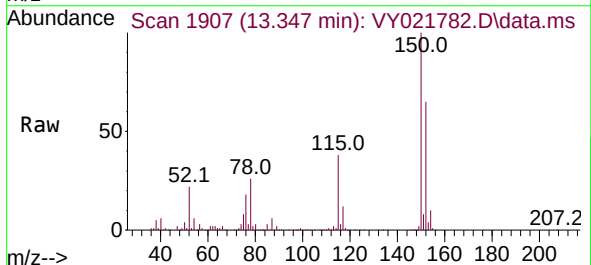
Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-16-040325

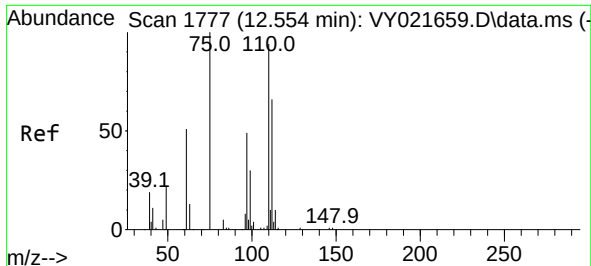
Tgt Ion:117 Resp: 546276
Ion Ratio Lower Upper
117 100
82 56.3 42.8 64.2
119 31.9 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021782.D
Acq: 04 Apr 2025 13:50

Tgt Ion:152 Resp: 230456
Ion Ratio Lower Upper
152 100
115 59.0 28.8 86.5
150 156.6 0.0 348.4

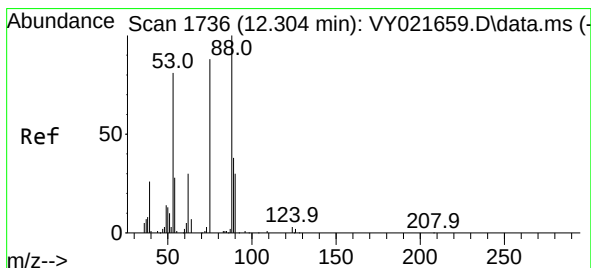
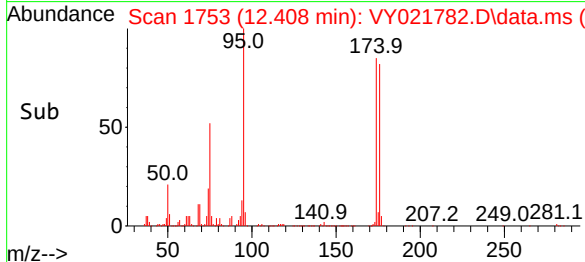
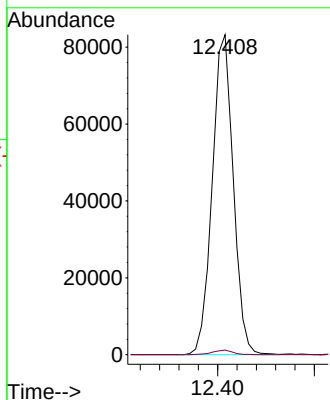
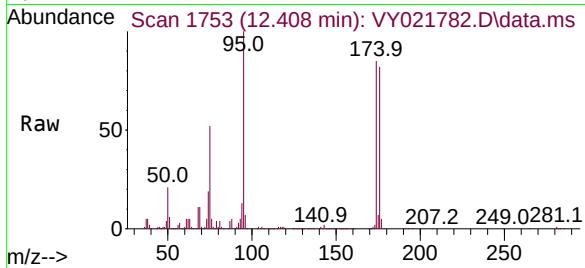




#76
1,2,3-Trichloropropane
Concen: 54.895 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021782.D
Acq: 04 Apr 2025 13:50

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-16-040325

Tgt Ion: 75 Resp: 125403
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.488 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021782.D
Acq: 04 Apr 2025 13:50

Tgt Ion: 75 Resp: 125403
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.1 36.2 54.4#

