

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
 Data File : VY021291.D
 Acq On : 21 Feb 2025 17:21
 Operator : SY/MD
 Sample : Q1382-09
 Misc : 5.88g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-05-021725

Quant Time: Feb 21 23:10:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

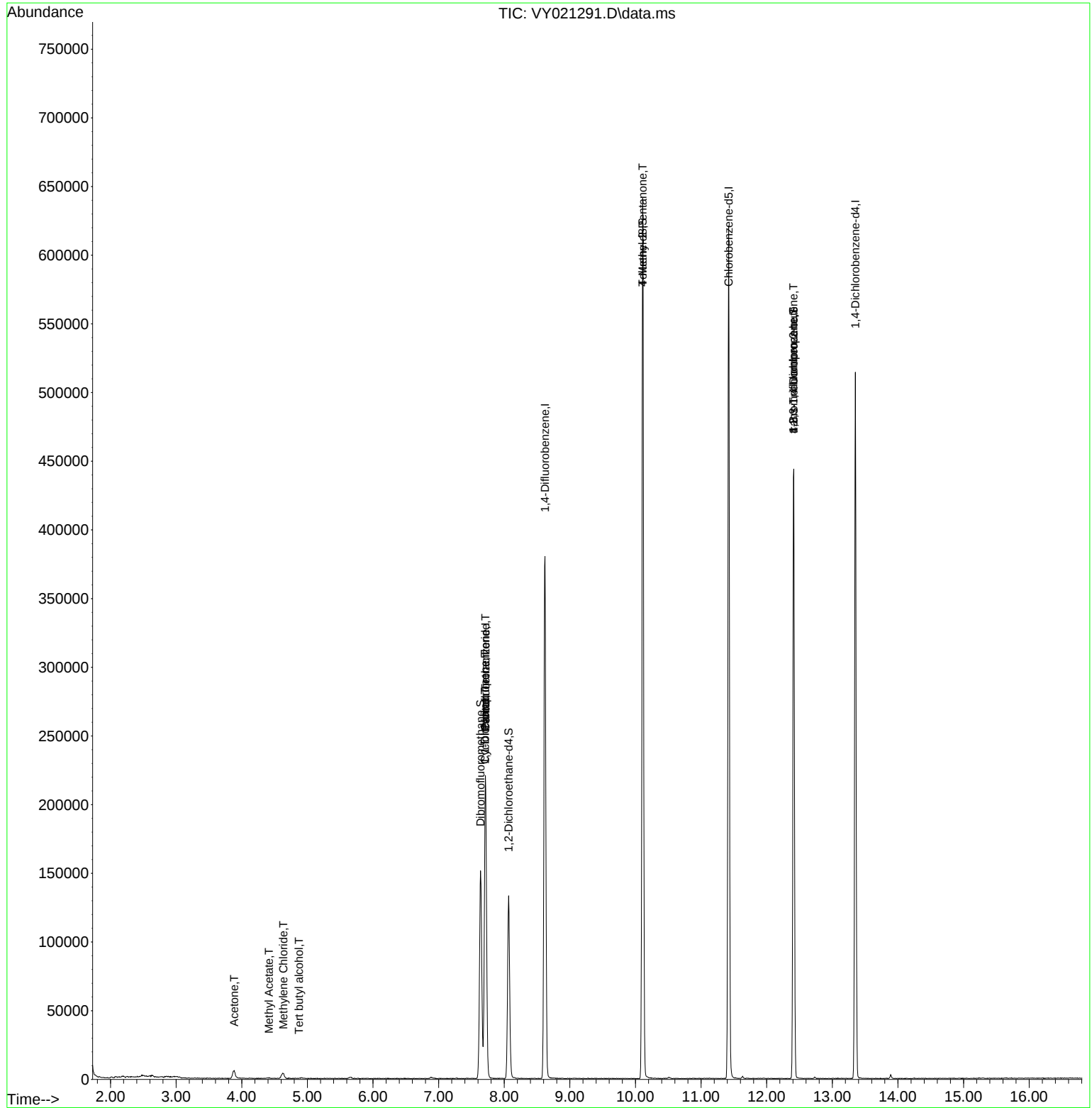
Internal Standards						
1) Pentafluorobenzene	7.713	168	167051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	318752	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	306730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	122113	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	105337	61.544	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.080%	
35) Dibromofluoromethane	7.640	113	105511	51.651	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.300%	
50) Toluene-d8	10.109	98	398237	51.207	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.420%	
62) 4-Bromofluorobenzene	12.407	95	128037	50.394	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.780%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.872	59	251	2.164	ug/l #	75
16) Acetone	3.884	43	10813	40.511	ug/l	92
18) Methyl Acetate	4.415	43	1015	1.083	ug/l #	55
20) Methylene Chloride	4.634	84	2694	1.624	ug/l	89
31) Cyclohexane	7.707	56	4238	1.452	ug/l #	43
36) 1,1-Dichloropropene	7.707	75	13348	4.412	ug/l #	51
38) Carbon Tetrachloride	7.713	117	17437	4.932	ug/l #	18
51) 4-Methyl-2-Pentanone	10.109	43	2139	1.613	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	72859	65.774	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	72859	134.211	ug/l #	12

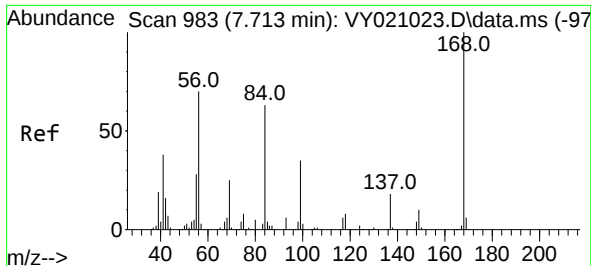
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
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OU4-PCS-TC-05-021725

Quant Time: Feb 21 23:10:01 2025
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Quant Title : SW846 8260
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Response via : Initial Calibration

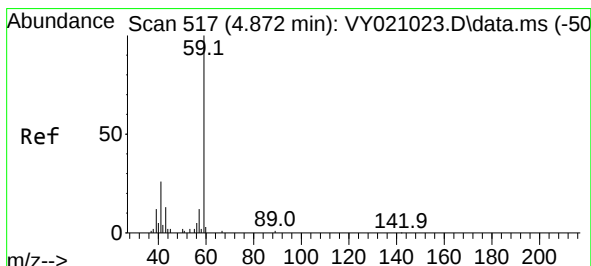
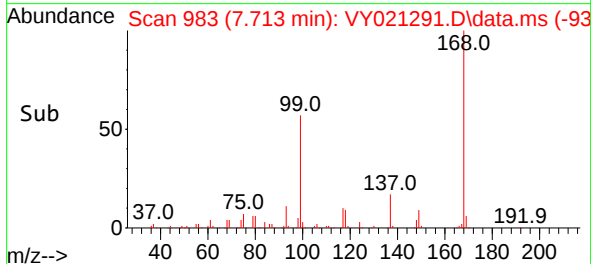
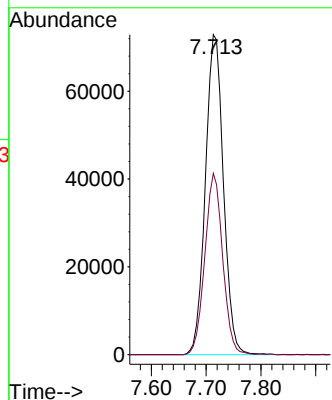
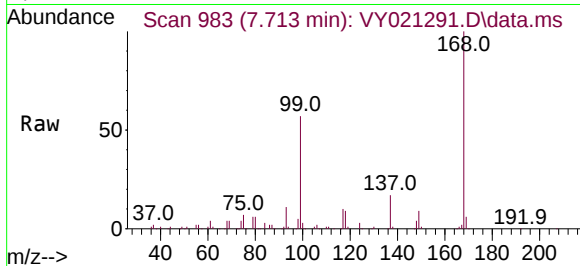




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.000 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

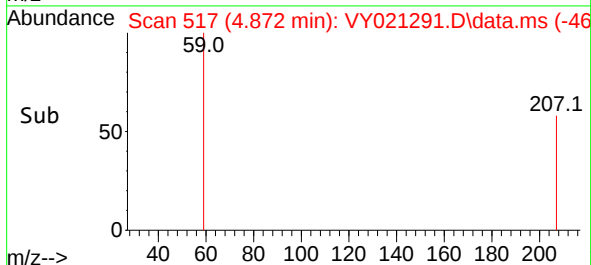
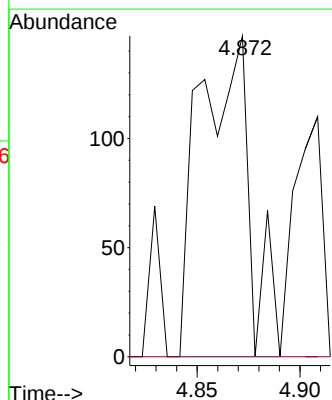
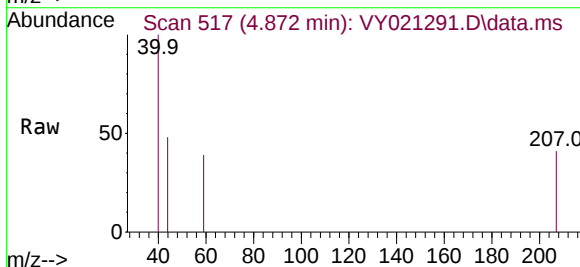
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-05-021725

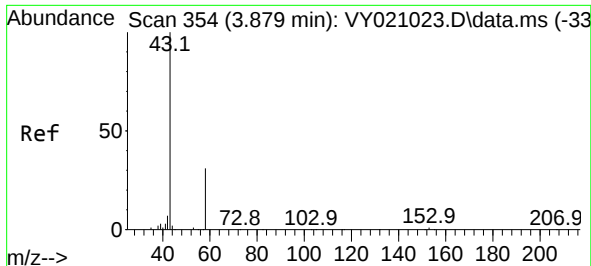
Tgt Ion:168 Resp: 167051
Ion Ratio Lower Upper
168 100
99 56.6 44.2 66.4



#11
Tert butyl alcohol
Concen: 2.164 ug/l
RT: 4.872 min Scan# 517
Delta R.T. -0.000 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

Tgt Ion: 59 Resp: 251
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

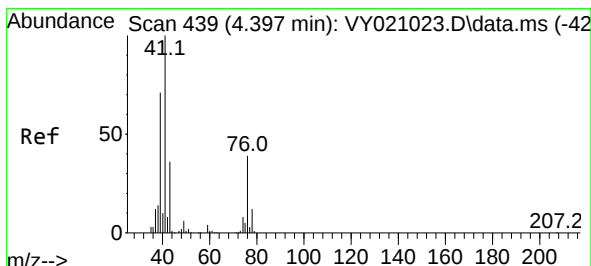
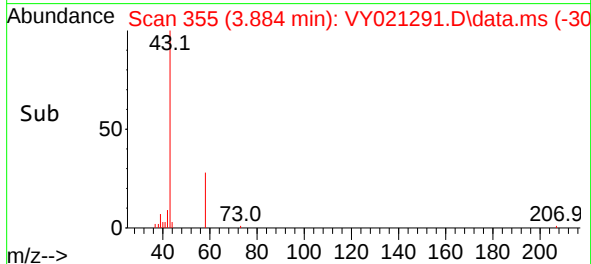
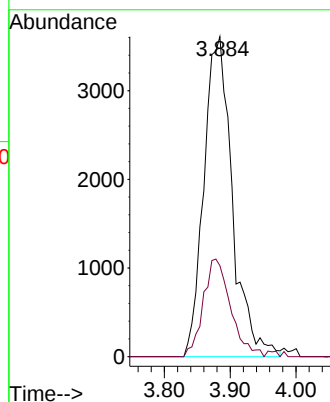
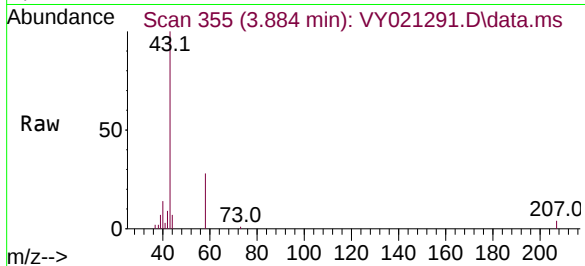




#16
Acetone
Concen: 40.511 ug/l
RT: 3.884 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

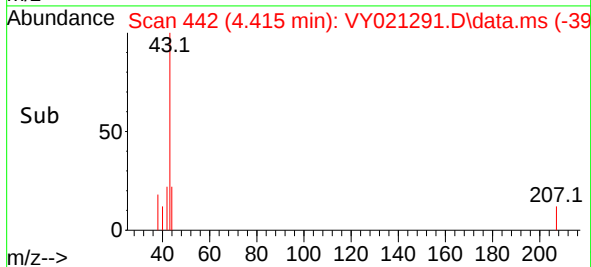
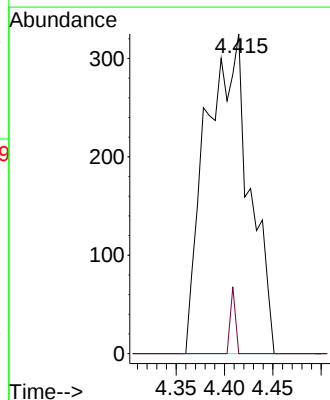
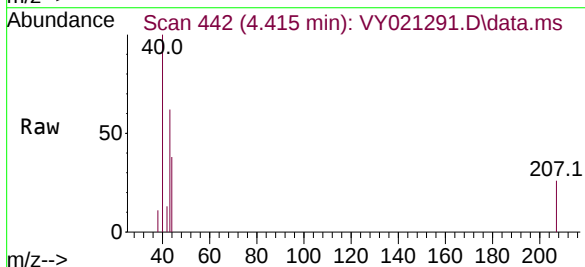
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-05-021725

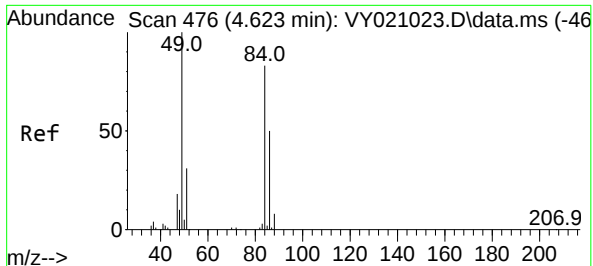
Tgt Ion: 43 Resp: 10813
Ion Ratio Lower Upper
43 100
58 28.4 26.6 39.8



#18
Methyl Acetate
Concen: 1.083 ug/l
RT: 4.415 min Scan# 442
Delta R.T. 0.018 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

Tgt Ion: 43 Resp: 1015
Ion Ratio Lower Upper
43 100
74 2.5 19.8 29.6#





#20

Methylene Chloride

Concen: 1.624 ug/l

RT: 4.634 min Scan# 476

Delta R.T. 0.012 min

Lab File: VY021291.D

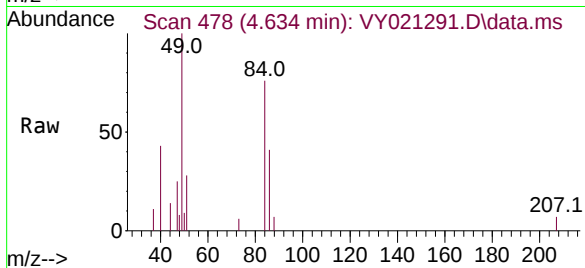
Acq: 21 Feb 2025 17:21

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-05-021725



Tgt Ion: 84 Resp: 2694

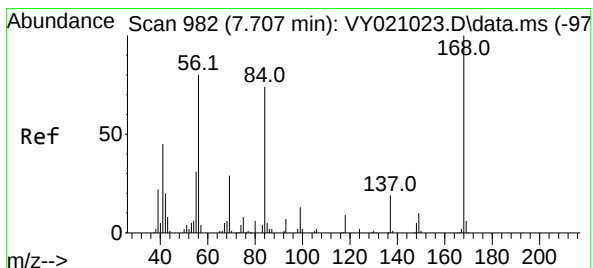
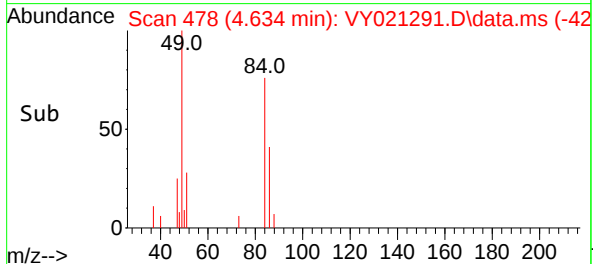
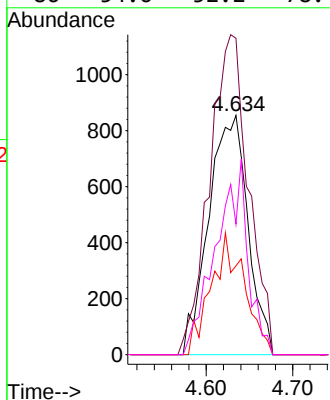
Ion Ratio Lower Upper

84 100

49 132.3 95.2 142.8

51 37.1 29.9 44.9

86 54.6 52.2 78.4



#31

Cyclohexane

Concen: 1.452 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.000 min

Lab File: VY021291.D

Acq: 21 Feb 2025 17:21

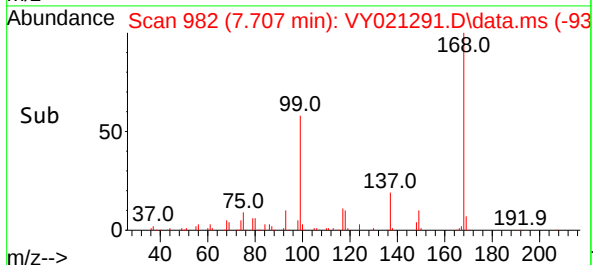
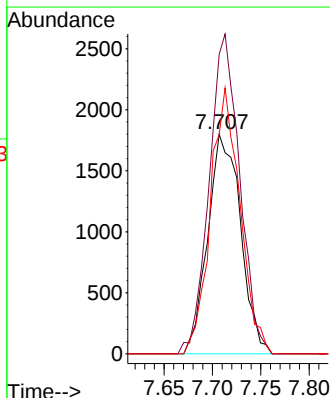
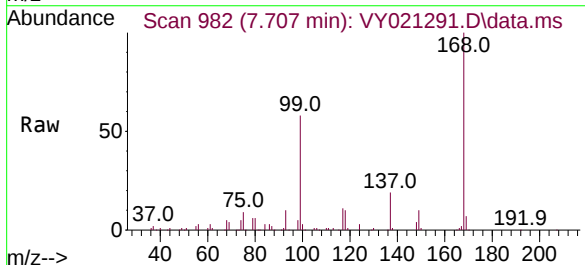
Tgt Ion: 56 Resp: 4238

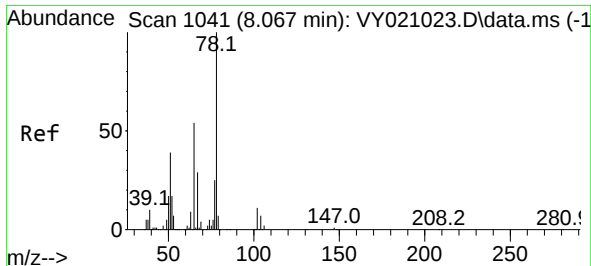
Ion Ratio Lower Upper

56 100

69 136.2 27.0 40.6#

84 99.6 71.8 107.6





#33

1,2-Dichloroethane-d4

Concen: 61.544 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY021291.D

Acq: 21 Feb 2025 17:21

Instrument :

MSVOA_Y

ClientSampleId :

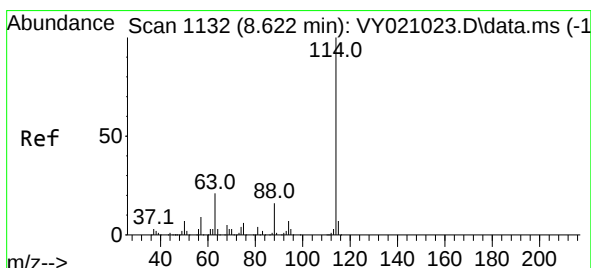
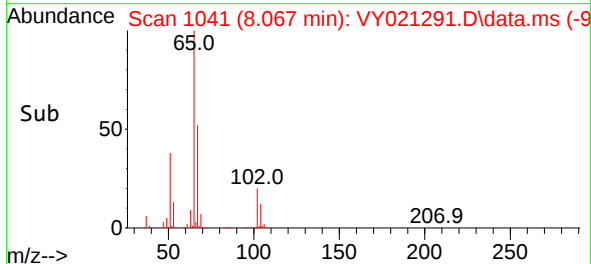
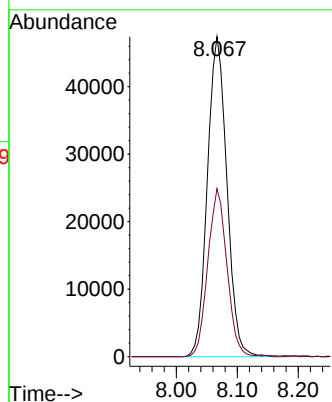
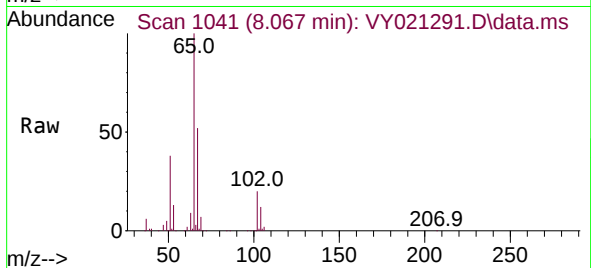
OU4-PCS-TC-05-021725

Tgt Ion: 65 Resp: 105337

Ion Ratio Lower Upper

65 100

67 51.5 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021291.D

Acq: 21 Feb 2025 17:21

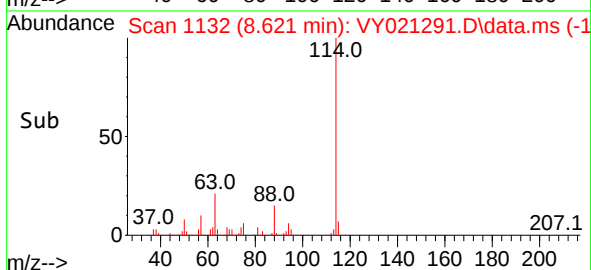
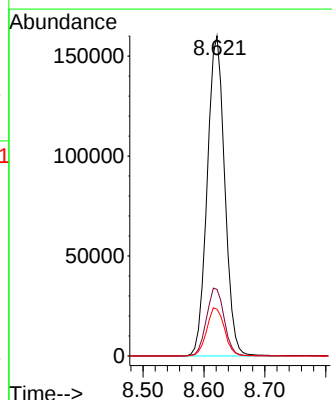
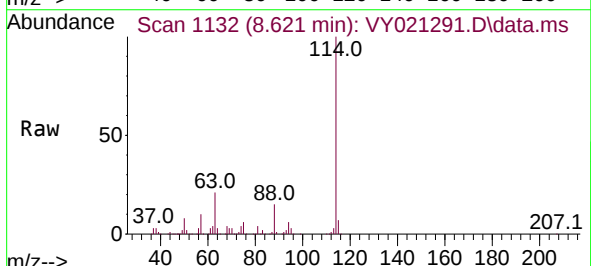
Tgt Ion: 114 Resp: 318752

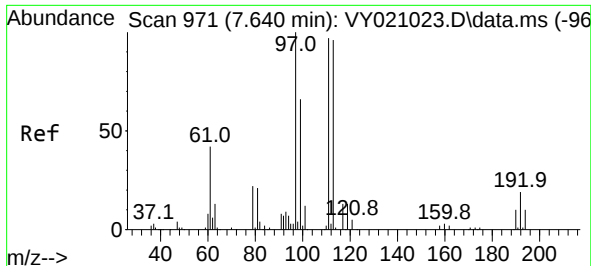
Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.4

88 14.6 0.0 29.0

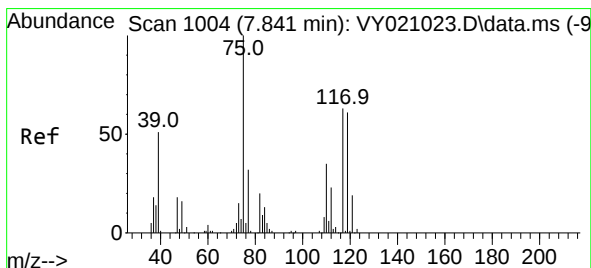
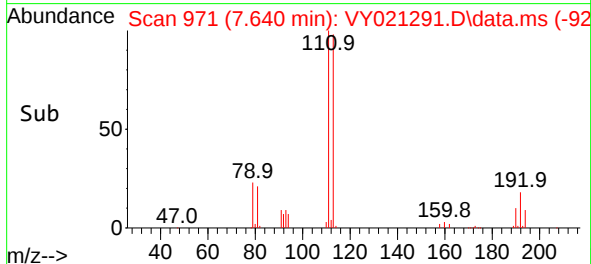
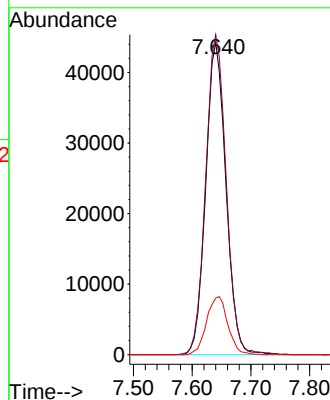
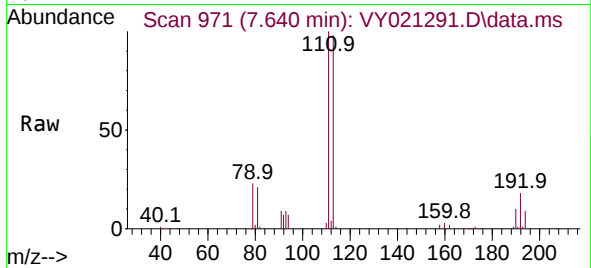




#35
Dibromofluoromethane
Concen: 51.651 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

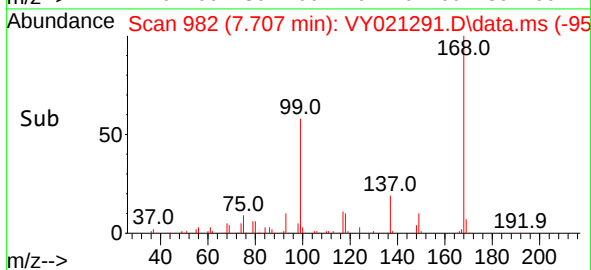
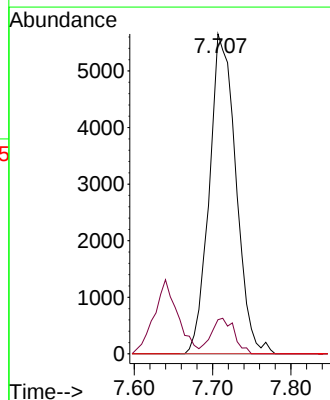
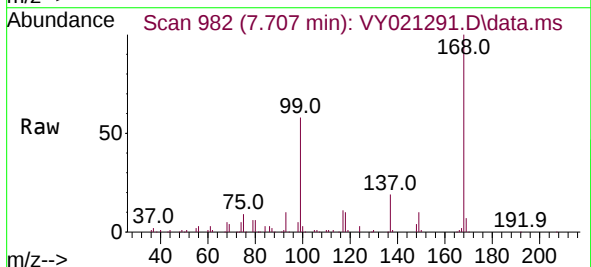
Instrument :
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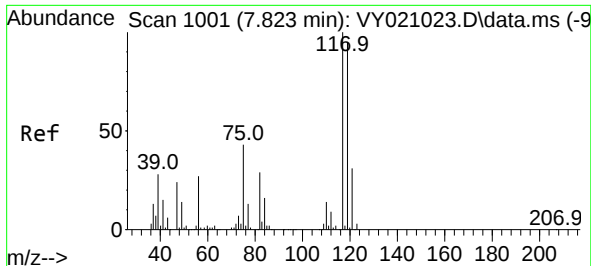
Tgt Ion:113 Resp: 105511
Ion Ratio Lower Upper
113 100
111 104.2 83.8 125.6
192 19.5 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.412 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.135 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

Tgt Ion: 75 Resp: 13348
Ion Ratio Lower Upper
75 100
110 9.7 17.4 52.3#
77 0.0 24.7 37.1#

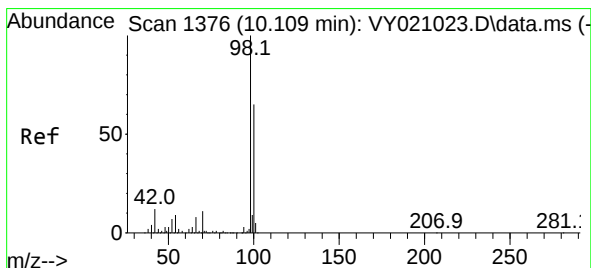
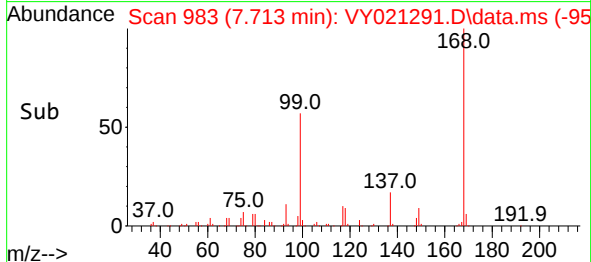
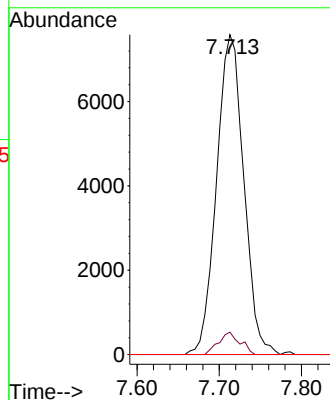
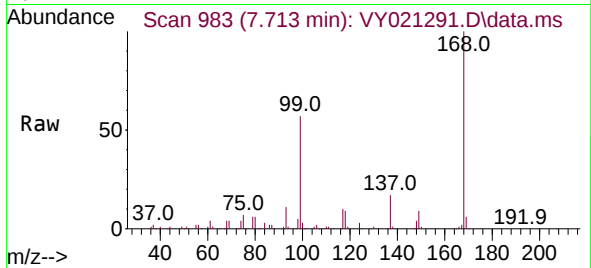




#38
Carbon Tetrachloride
Concen: 4.932 ug/l
RT: 7.713 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

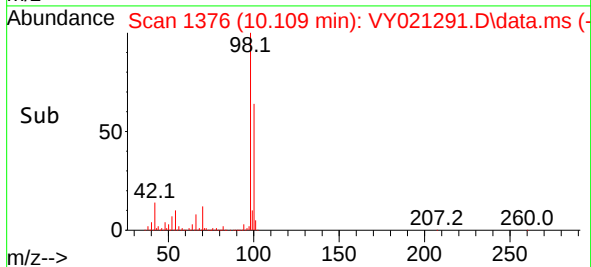
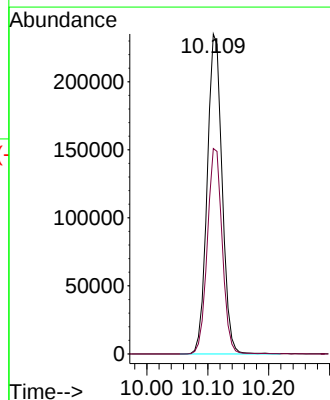
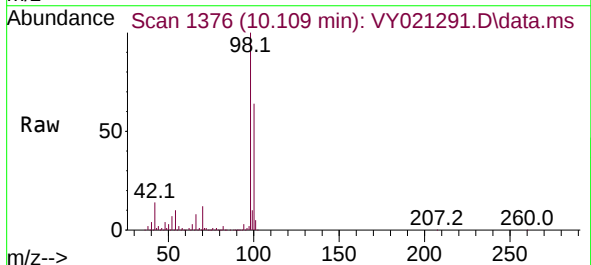
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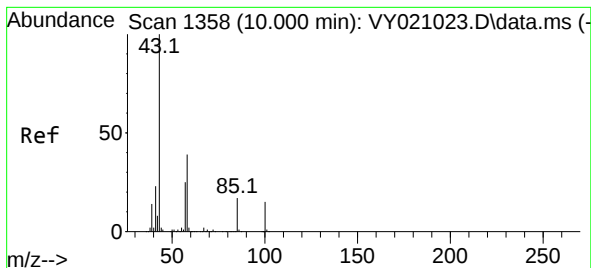
Tgt Ion:117 Resp: 17437
Ion Ratio Lower Upper
117 100
119 7.0 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 51.207 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

Tgt Ion: 98 Resp: 398237
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5

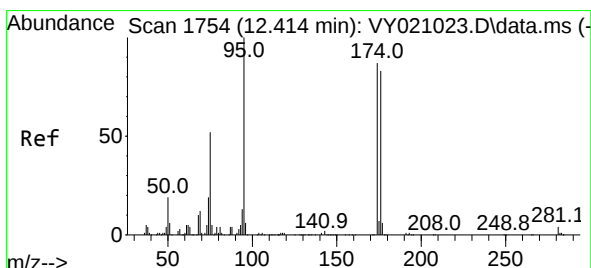
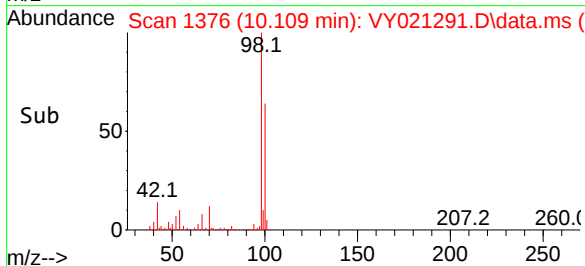
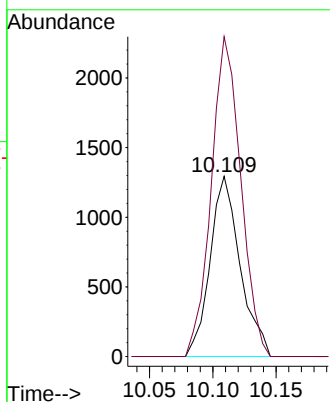
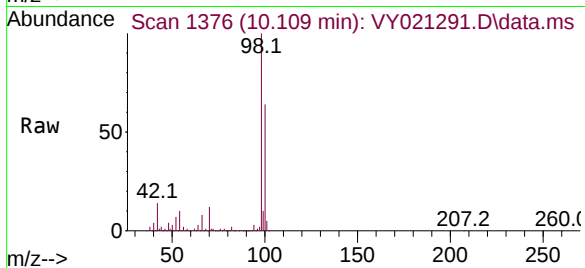




#51
4-Methyl-2-Pentanone
Concen: 1.613 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.109 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

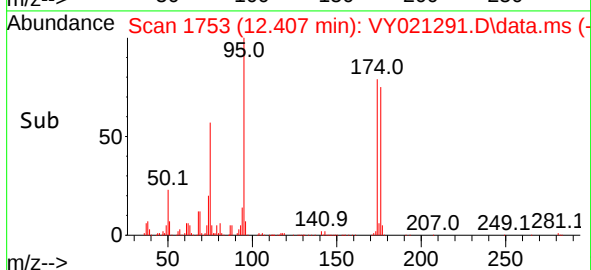
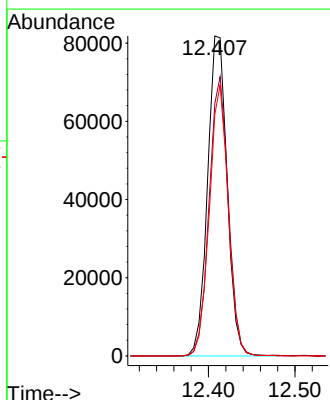
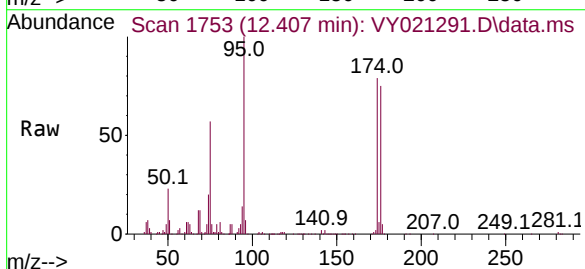
Instrument :
MSVOA_Y
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OU4-PCS-TC-05-021725

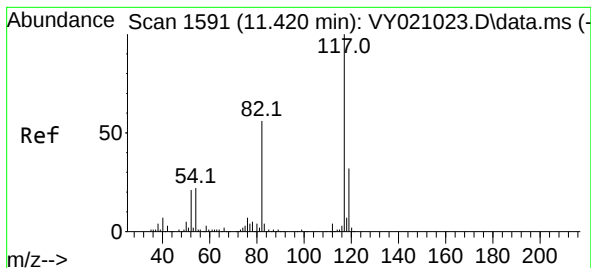
Tgt Ion: 43 Resp: 2139
Ion Ratio Lower Upper
43 100
58 174.6 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 50.394 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.007 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

Tgt Ion: 95 Resp: 128037
Ion Ratio Lower Upper
95 100
174 85.9 0.0 160.0
176 82.1 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021291.D

Acq: 21 Feb 2025 17:21

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-05-021725

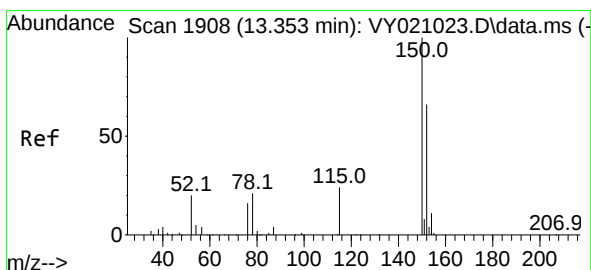
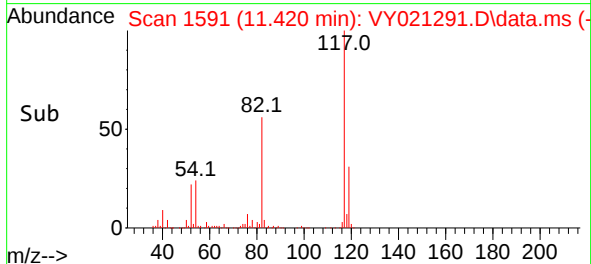
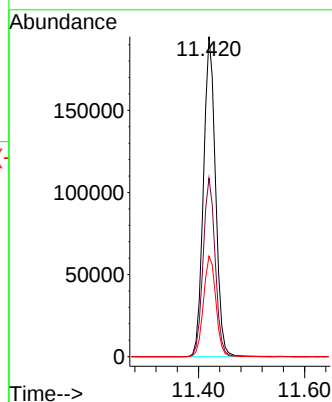
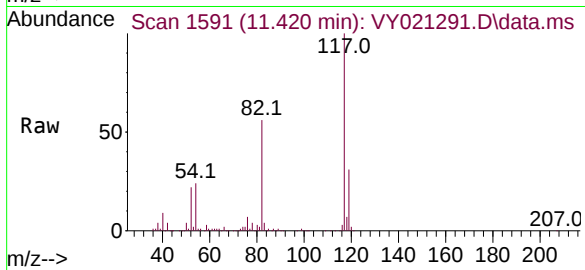
Tgt Ion:117 Resp: 306730

Ion Ratio Lower Upper

117 100

82 55.8 43.8 65.8

119 31.4 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021291.D

Acq: 21 Feb 2025 17:21

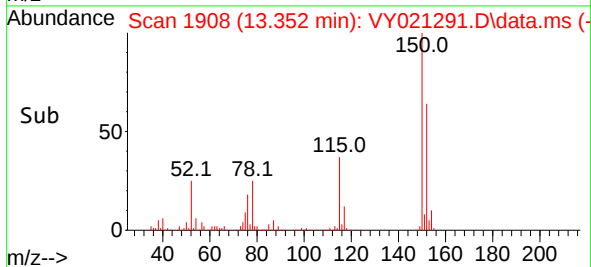
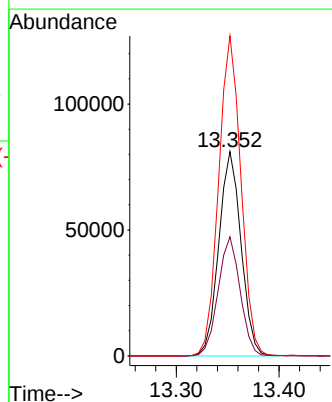
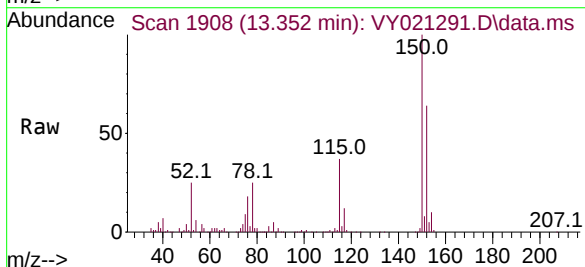
Tgt Ion:152 Resp: 122113

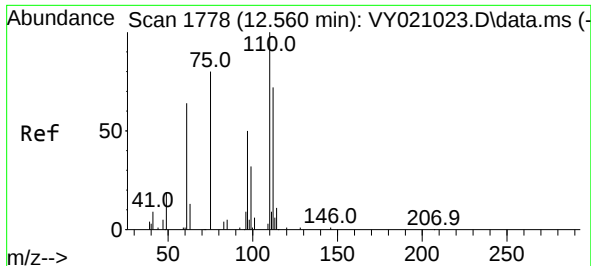
Ion Ratio Lower Upper

152 100

115 57.7 30.0 90.0

150 156.6 0.0 344.6

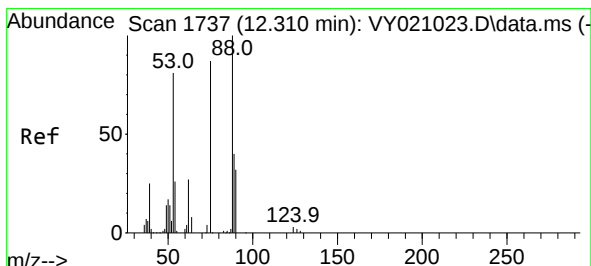
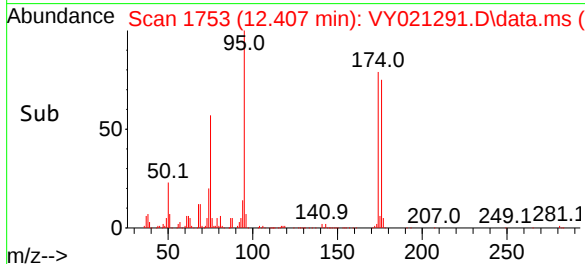
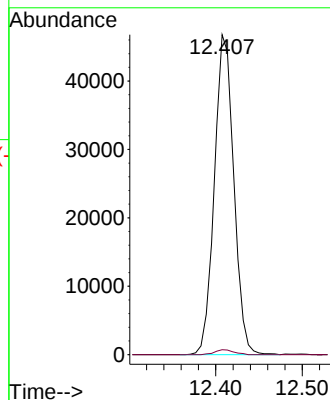
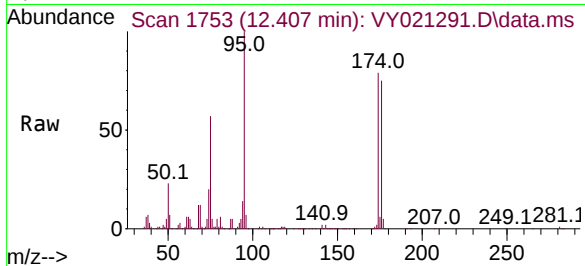




#76
1,2,3-Trichloropropane
Concen: 65.774 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.153 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-05-021725

Tgt Ion: 75 Resp: 72859
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.211 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.097 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

Tgt Ion: 75 Resp: 72859
Ion Ratio Lower Upper
75 100
53 0.1 74.0 111.0#
89 0.0 36.5 54.7#

