

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
 Data File : VY021294.D
 Acq On : 21 Feb 2025 18:31
 Operator : SY/MD
 Sample : Q1382-15
 Misc : 5.83g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-08-021725

Quant Time: Feb 21 23:10:48 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)

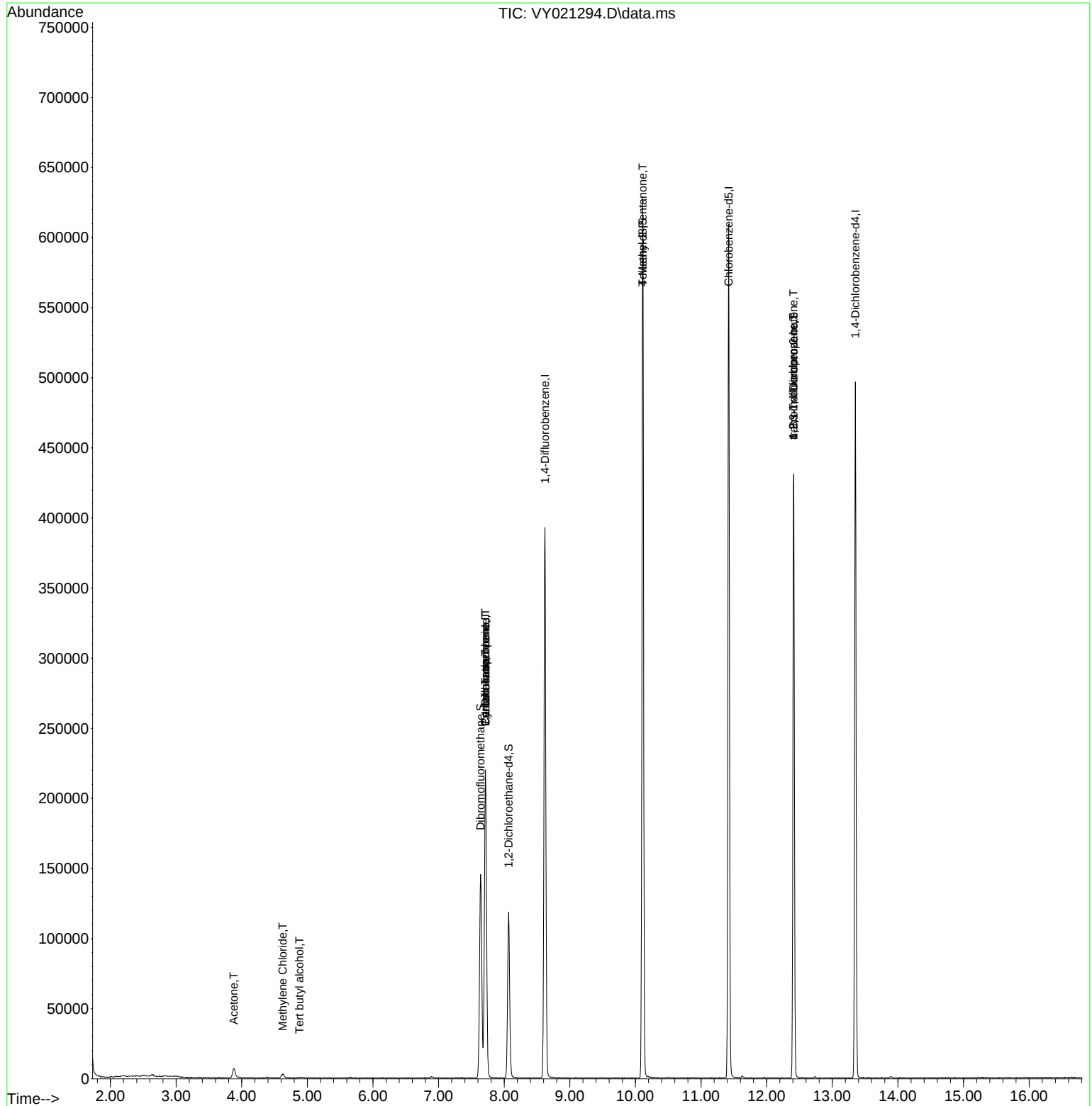
Internal Standards						
1) Pentafluorobenzene	7.713	168	161604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	318713	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	297417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	119366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	92947	56.135	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.280%
35) Dibromofluoromethane	7.640	113	101408	49.648	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.300%
50) Toluene-d8	10.109	98	393214	50.567	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.140%
62) 4-Bromofluorobenzene	12.408	95	122440	48.197	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.400%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.879	59	345	3.075	ug/l #	75
16) Acetone	3.879	43	13125	50.830	ug/l	98
20) Methylene Chloride	4.622	84	1741	1.085	ug/l #	90
31) Cyclohexane	7.713	56	3848	1.363	ug/l #	14
36) 1,1-Dichloropropene	7.713	75	13490	4.459	ug/l #	50
38) Carbon Tetrachloride	7.713	117	16640	4.707	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	2094	1.579	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	69855	64.513	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	69855	131.638	ug/l #	12

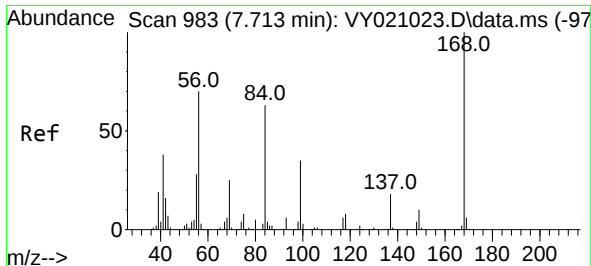
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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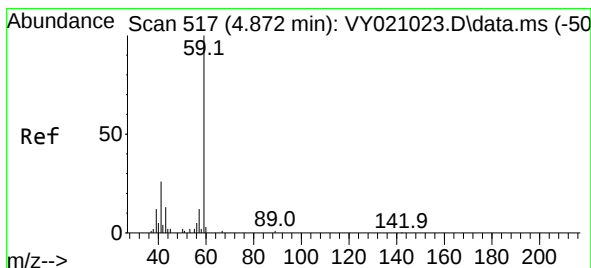
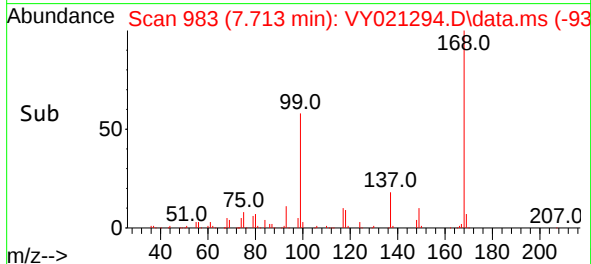
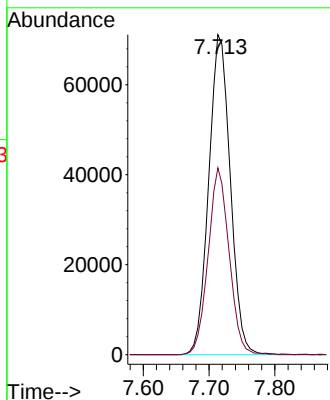
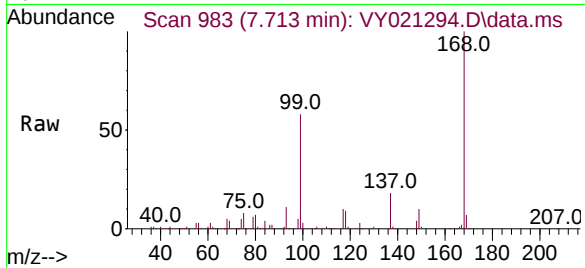




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY021294.D
Acq: 21 Feb 2025 18:31

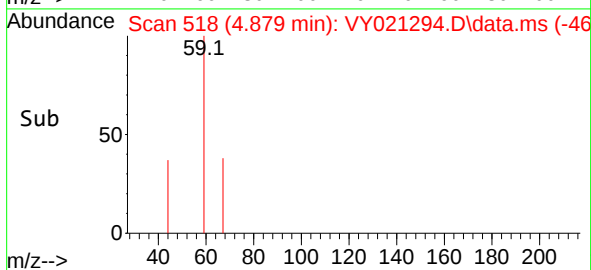
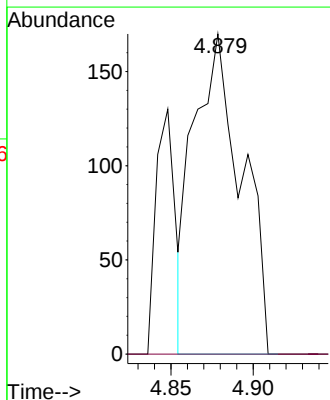
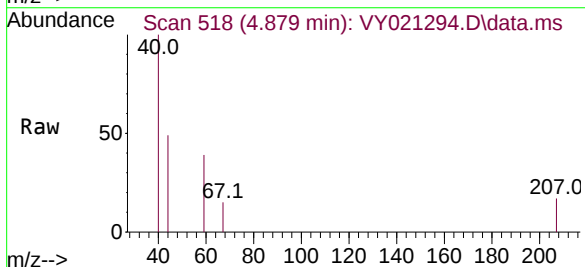
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-08-021725

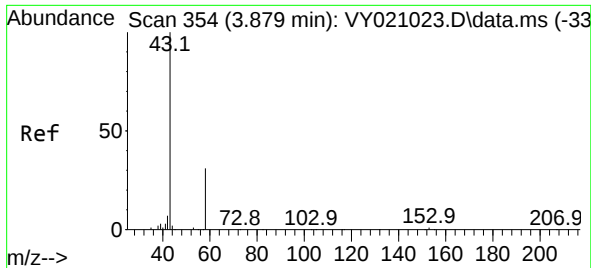
Tgt Ion:168 Resp: 161604
Ion Ratio Lower Upper
168 100
99 58.4 44.2 66.4



#11
Tert butyl alcohol
Concen: 3.075 ug/l
RT: 4.879 min Scan# 518
Delta R.T. 0.006 min
Lab File: VY021294.D
Acq: 21 Feb 2025 18:31

Tgt Ion: 59 Resp: 345
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

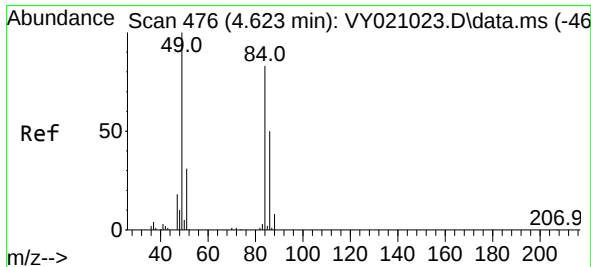
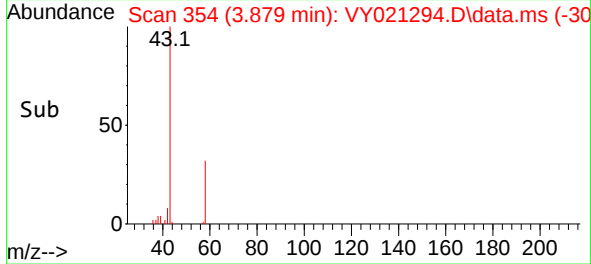
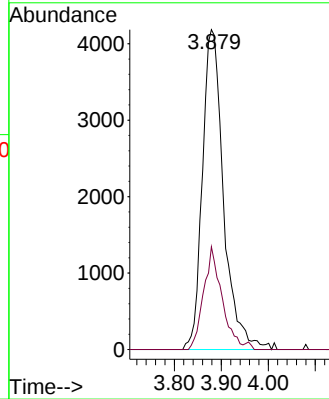
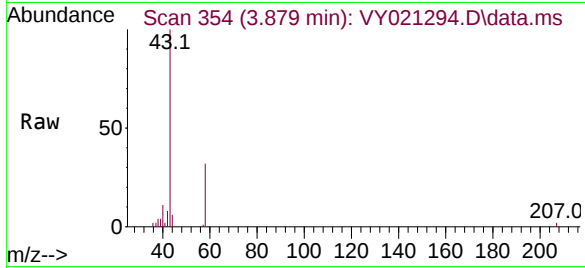




#16
Acetone
Concen: 50.830 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY021294.D
Acq: 21 Feb 2025 18:31

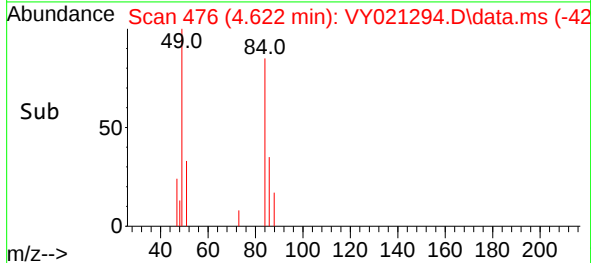
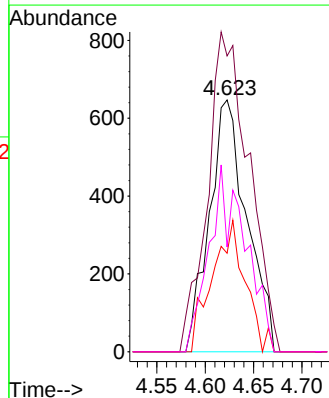
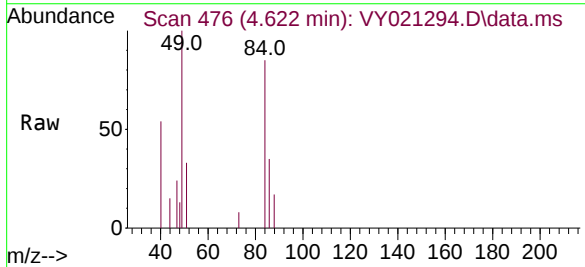
Instrument :
MSVOA_Y
ClientSampleId :
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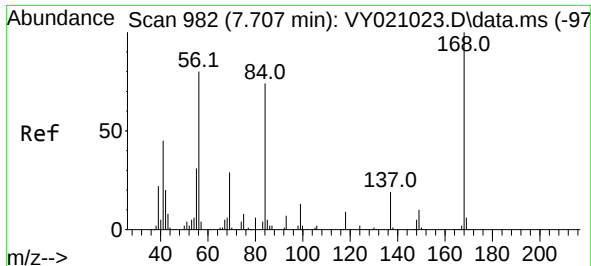
Tgt Ion: 43 Resp: 13125
Ion Ratio Lower Upper
43 100
58 32.1 26.6 39.8



#20
Methylene Chloride
Concen: 1.085 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY021294.D
Acq: 21 Feb 2025 18:31

Tgt Ion: 84 Resp: 1741
Ion Ratio Lower Upper
84 100
49 117.5 95.2 142.8
51 39.1 29.9 44.9
86 41.6 52.2 78.4#

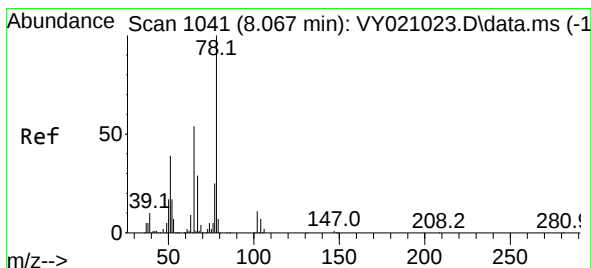
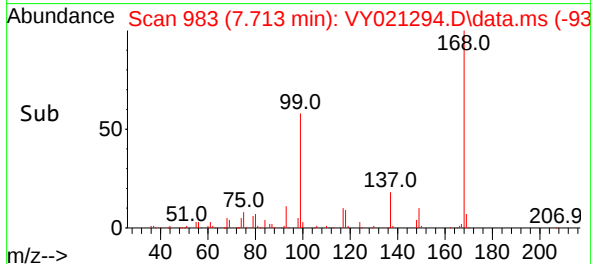
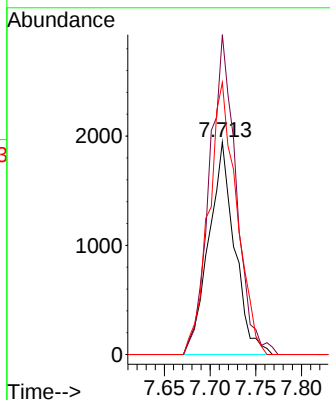
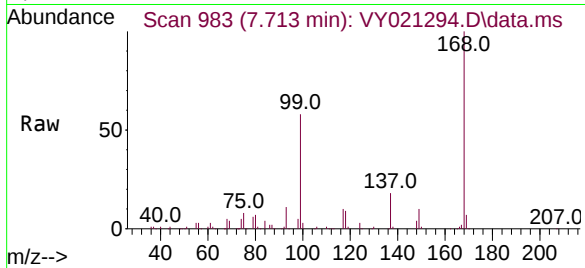




#31
Cyclohexane
Concen: 1.363 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021294.D
Acq: 21 Feb 2025 18:31

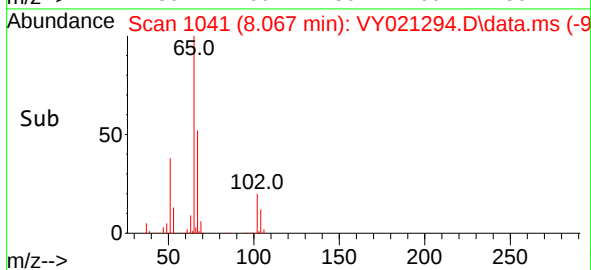
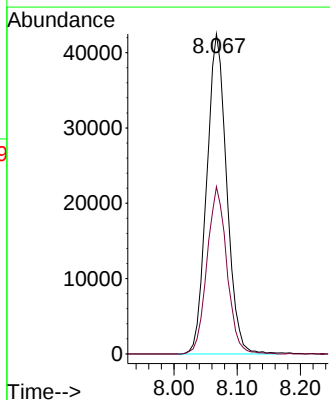
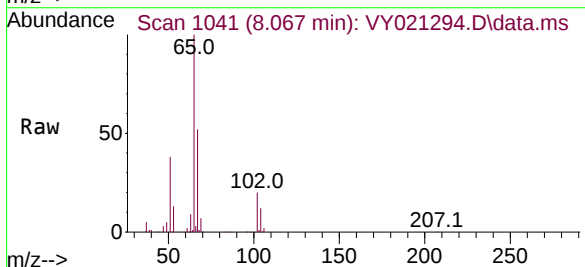
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-08-021725

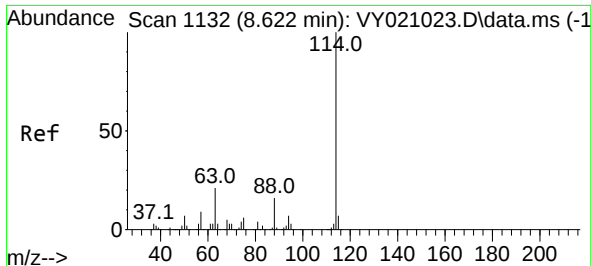
Tgt Ion: 56 Resp: 3848
Ion Ratio Lower Upper
56 100
69 150.6 27.0 40.6#
84 128.1 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 56.135 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021294.D
Acq: 21 Feb 2025 18:31

Tgt Ion: 65 Resp: 92947
Ion Ratio Lower Upper
65 100
67 52.0 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021294.D

Acq: 21 Feb 2025 18:31

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-08-021725

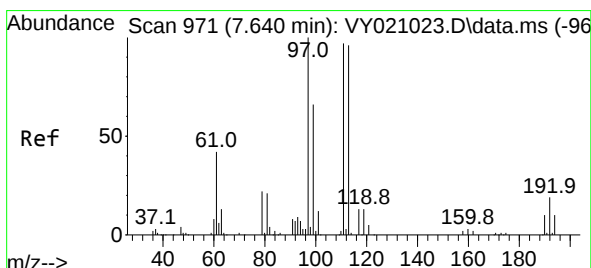
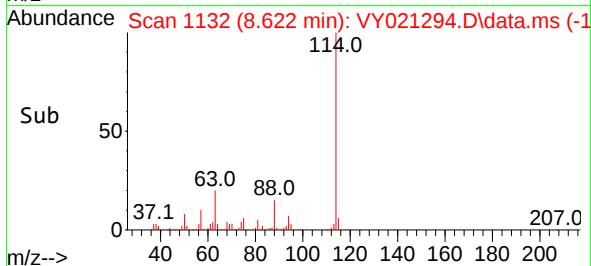
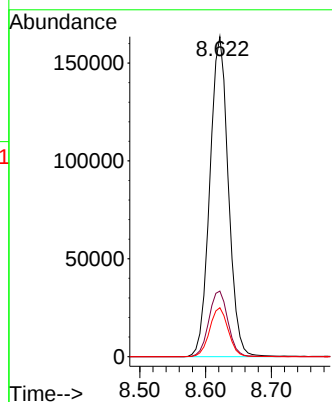
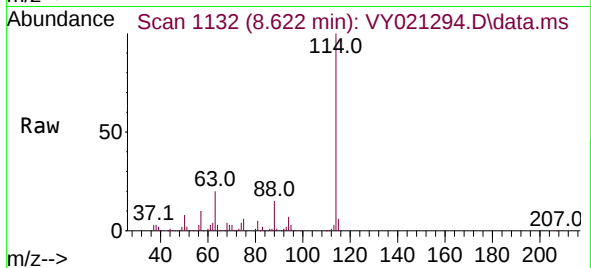
Tgt Ion:114 Resp: 318713

Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

88 15.3 0.0 29.0



#35

Dibromofluoromethane

Concen: 49.648 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021294.D

Acq: 21 Feb 2025 18:31

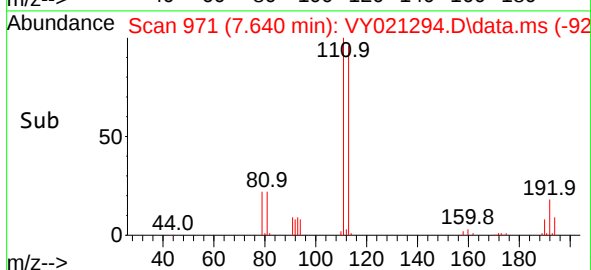
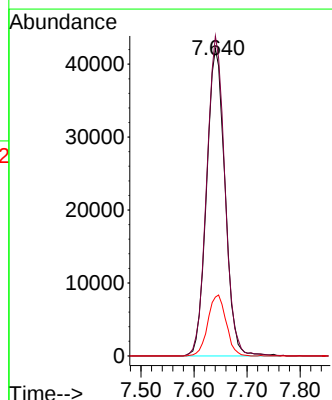
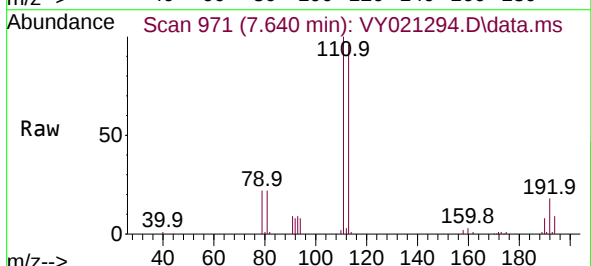
Tgt Ion:113 Resp: 101408

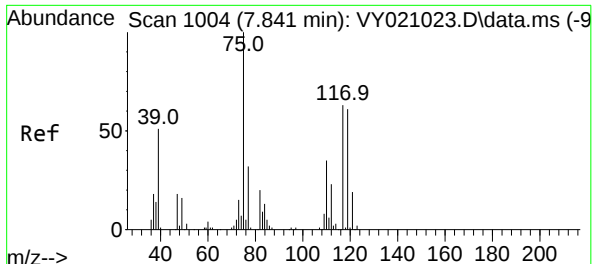
Ion Ratio Lower Upper

113 100

111 102.7 83.8 125.6

192 19.6 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.459 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY021294.D

Acq: 21 Feb 2025 18:31

Instrument :

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ClientSampleId :

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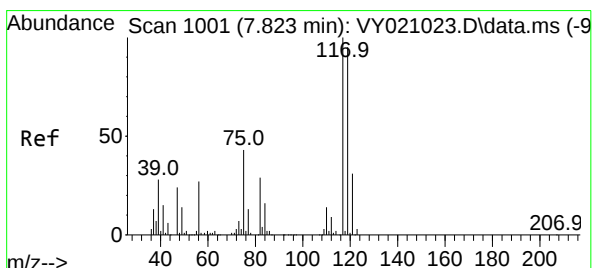
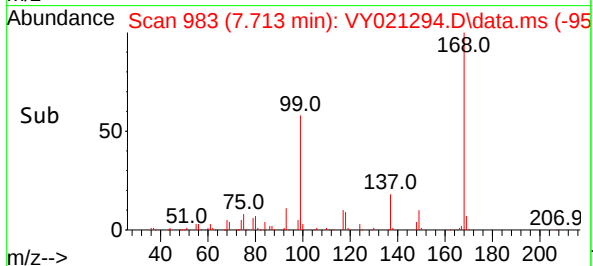
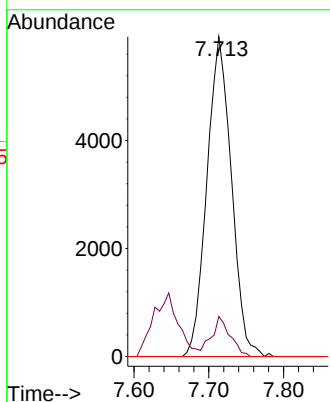
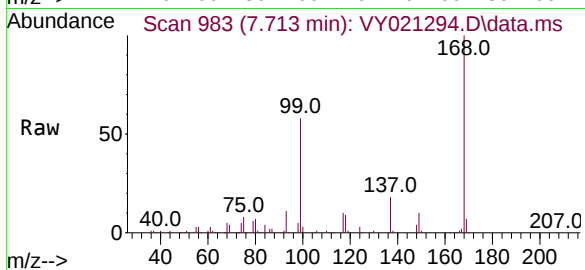
Tgt Ion: 75 Resp: 13490

Ion Ratio Lower Upper

75 100

110 9.5 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.707 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY021294.D

Acq: 21 Feb 2025 18:31

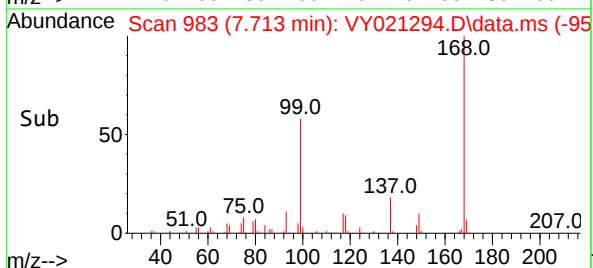
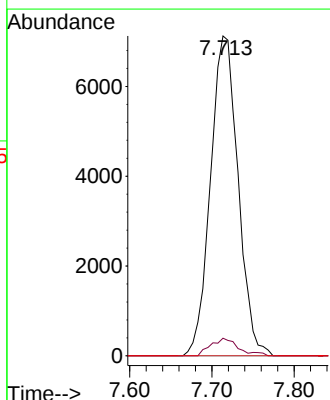
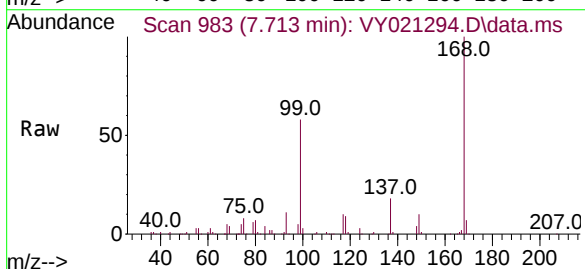
Tgt Ion: 117 Resp: 16640

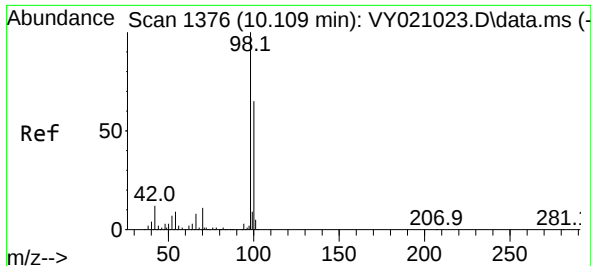
Ion Ratio Lower Upper

117 100

119 5.5 76.0 114.0#

121 0.0 24.2 36.2#

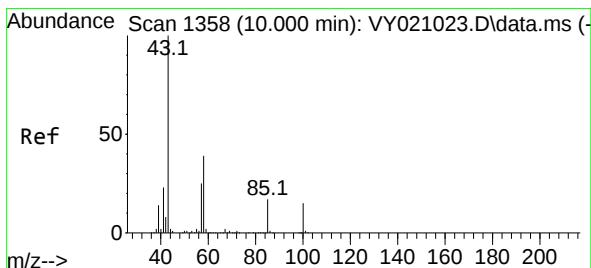
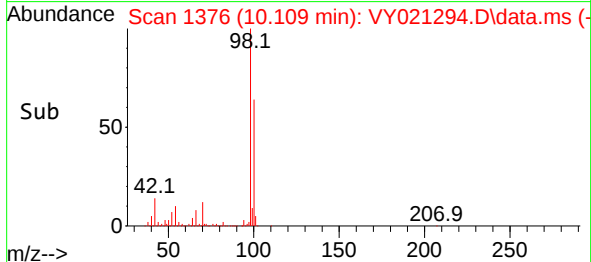
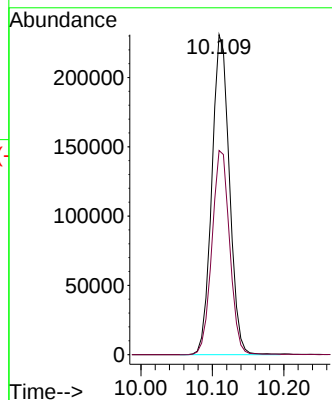
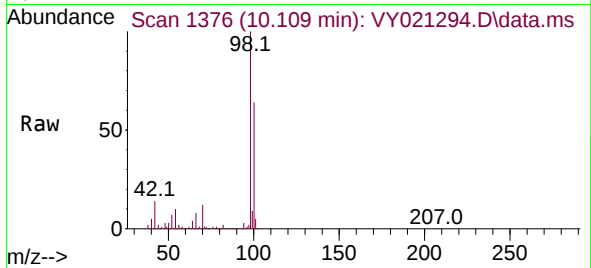




#50
Toluene-d8
Concen: 50.567 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021294.D
Acq: 21 Feb 2025 18:31

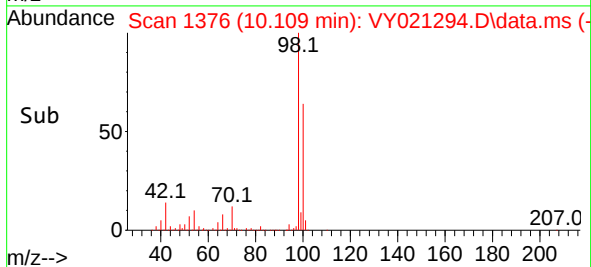
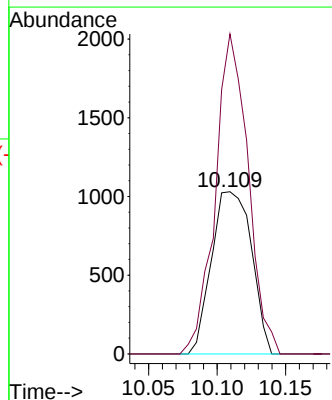
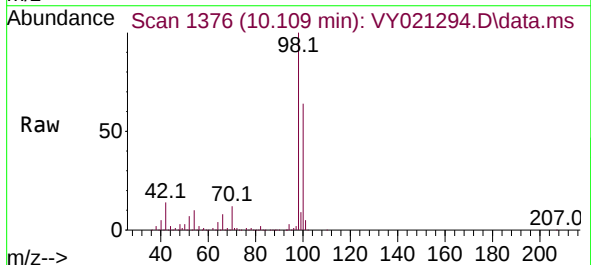
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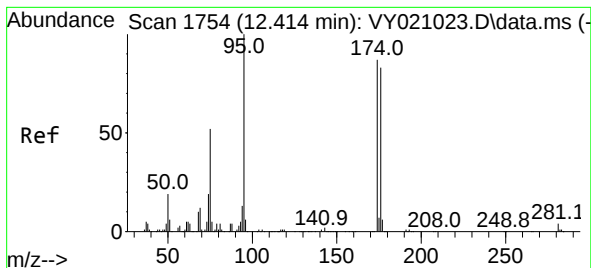
Tgt Ion: 98 Resp: 393214
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.579 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY021294.D
Acq: 21 Feb 2025 18:31

Tgt Ion: 43 Resp: 2094
Ion Ratio Lower Upper
43 100
58 162.1 32.2 48.2#

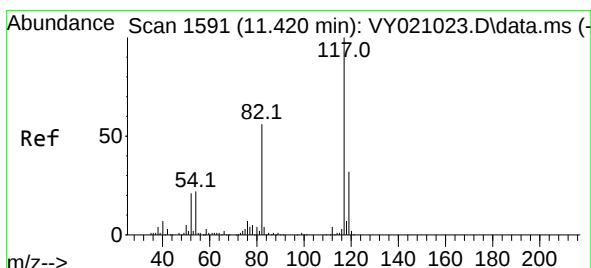
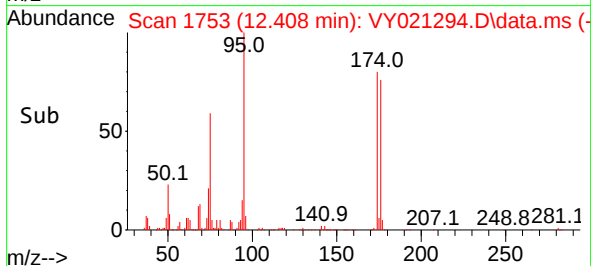
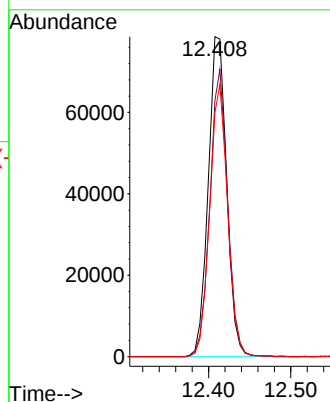
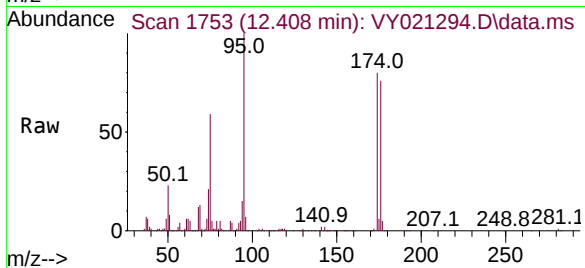




#62
4-Bromofluorobenzene
Concen: 48.197 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021294.D
Acq: 21 Feb 2025 18:31

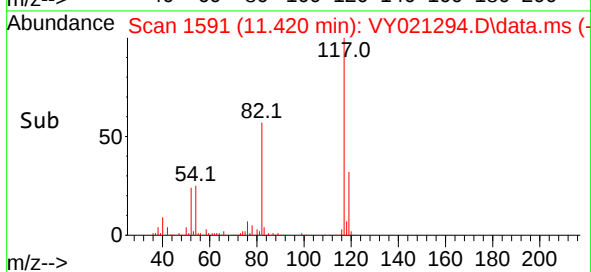
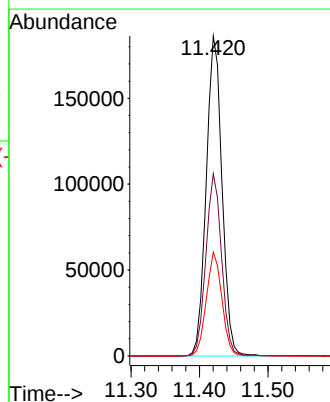
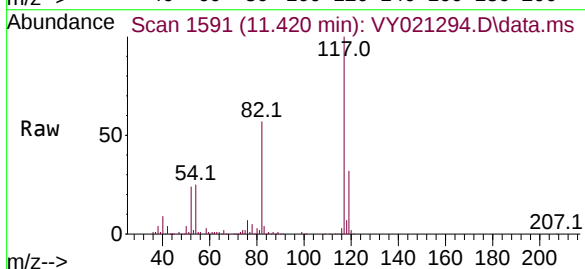
Instrument :
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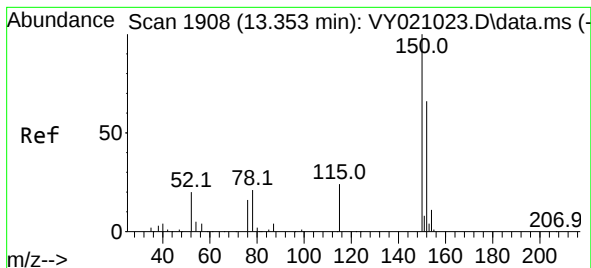
Tgt Ion:	95	Resp:	122440
Ion Ratio	Lower	Upper	
95	100		
174	86.2	0.0	160.0
176	82.6	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY021294.D
Acq: 21 Feb 2025 18:31

Tgt Ion:	117	Resp:	297417
Ion Ratio	Lower	Upper	
117	100		
82	56.9	43.8	65.8
119	32.4	26.5	39.7

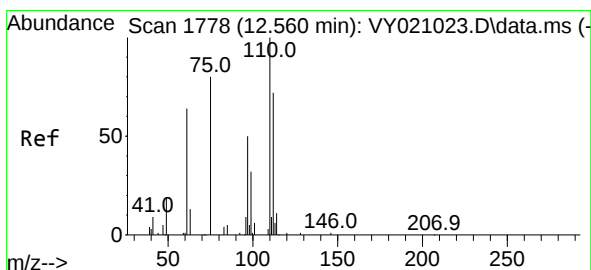
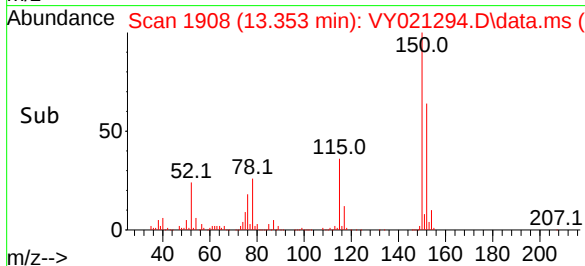
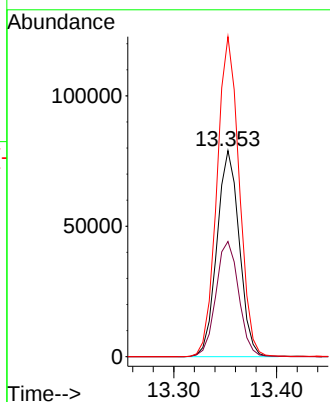
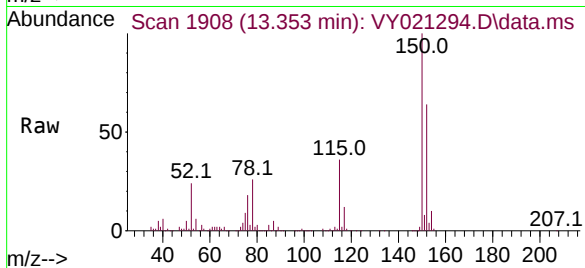




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VY021294.D
 Acq: 21 Feb 2025 18:31

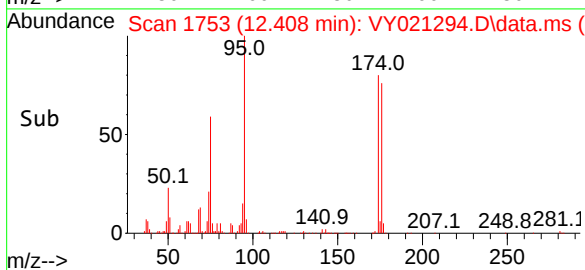
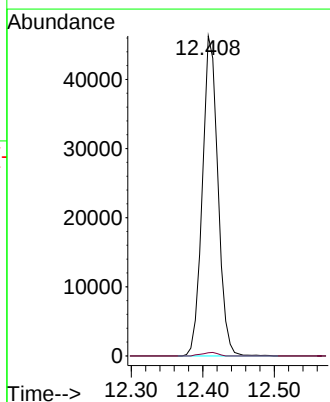
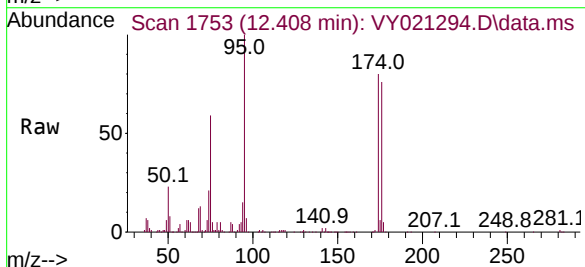
Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-08-021725

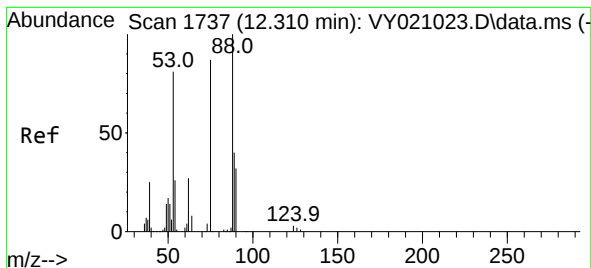
Tgt Ion:152 Resp: 119366
 Ion Ratio Lower Upper
 152 100
 115 57.1 30.0 90.0
 150 154.7 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 64.513 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021294.D
 Acq: 21 Feb 2025 18:31

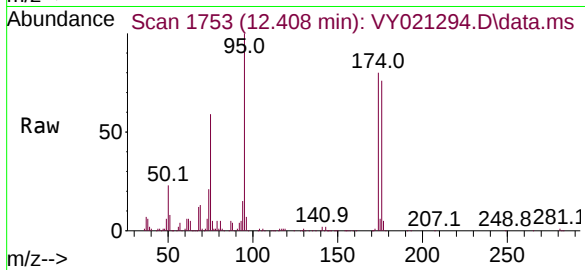
Tgt Ion: 75 Resp: 69855
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.638 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY021294.D
 Acq: 21 Feb 2025 18:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-08-021725



Tgt Ion: 75 Resp: 69855
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.0 111.0#
 89 0.1 36.5 54.7#

