

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
 Data File : VY021288.D
 Acq On : 21 Feb 2025 16:10
 Operator : SY/MD
 Sample : Q1383-19
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-20-021725

Quant Time: Feb 21 23:09:12 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)

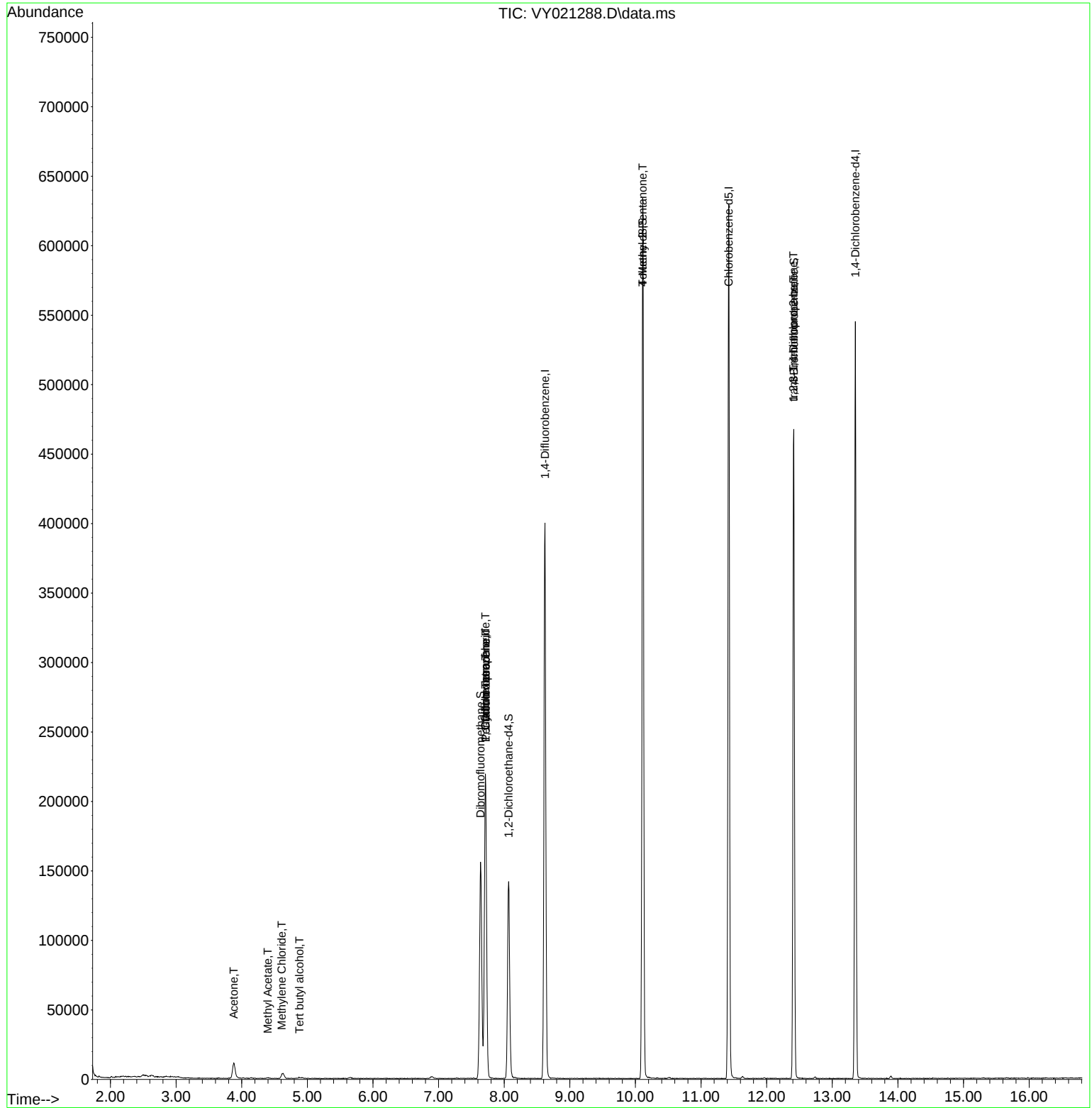
Internal Standards						
1) Pentafluorobenzene	7.720	168	164933	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	323735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	313938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	130553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	115126	68.127	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.260%	
35) Dibromofluoromethane	7.640	113	108212	52.158	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.320%	
50) Toluene-d8	10.109	98	402427	50.949	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.900%	
62) 4-Bromofluorobenzene	12.414	95	133361	51.682	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.879	59	125	1.092	ug/l #	83
16) Acetone	3.879	43	20132	76.393	ug/l	96
18) Methyl Acetate	4.397	43	1091	1.179	ug/l #	83
20) Methylene Chloride	4.610	84	2538	1.549	ug/l #	85
31) Cyclohexane	7.713	56	4060	1.409	ug/l #	26
36) 1,1-Dichloropropene	7.720	75	13907	4.526	ug/l #	50
38) Carbon Tetrachloride	7.713	117	17274	4.811	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	2041	1.515	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	76341	64.462	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	76341	131.534	ug/l #	12

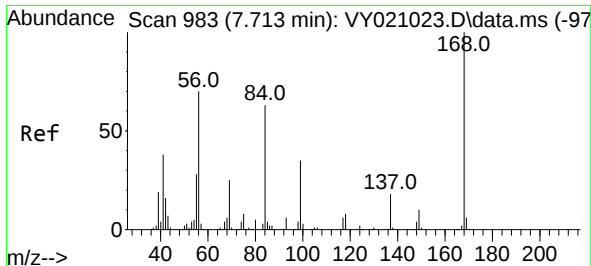
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

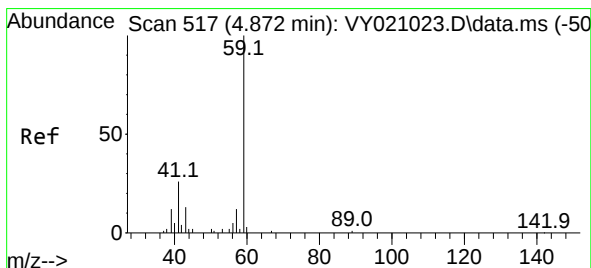
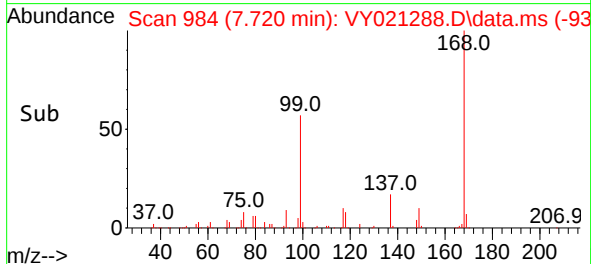
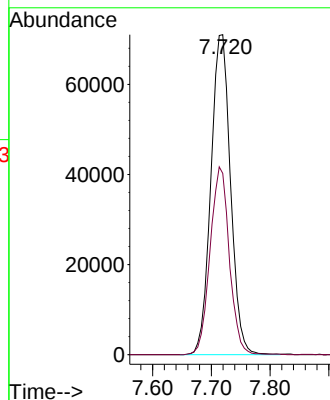
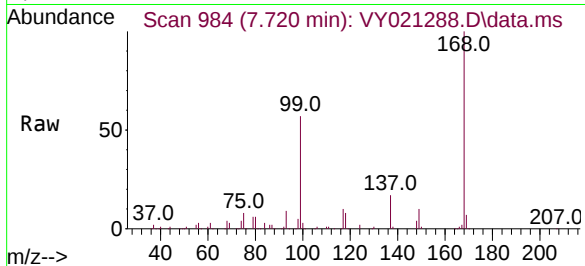




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 984
Delta R.T. 0.007 min
Lab File: VY021288.D
Acq: 21 Feb 2025 16:10

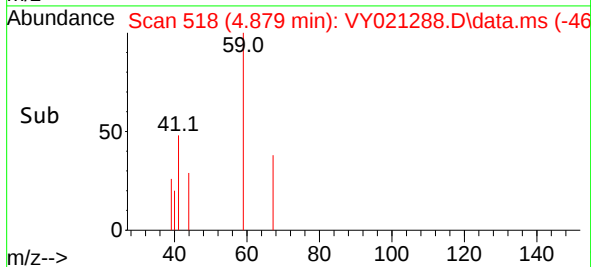
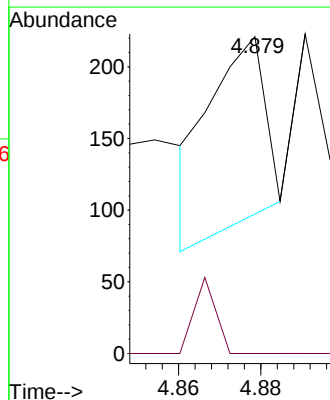
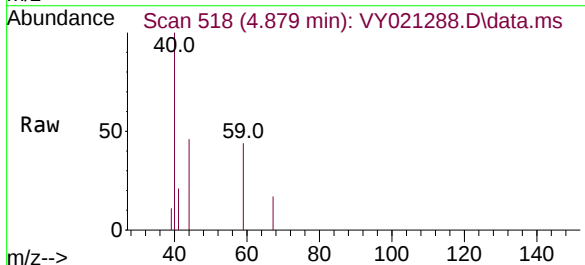
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-20-021725

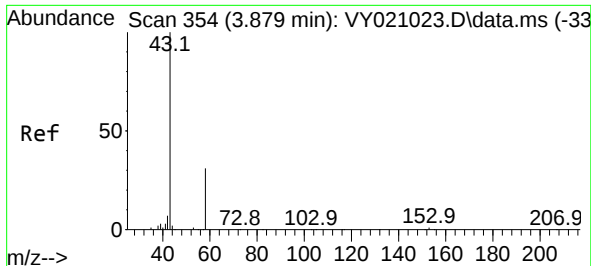
Tgt Ion:168 Resp: 164933
Ion Ratio Lower Upper
168 100
99 56.6 44.2 66.4



#11
Tert butyl alcohol
Concen: 1.092 ug/l
RT: 4.879 min Scan# 518
Delta R.T. 0.006 min
Lab File: VY021288.D
Acq: 21 Feb 2025 16:10

Tgt Ion: 59 Resp: 125
Ion Ratio Lower Upper
59 100
57 15.2 7.4 11.0#

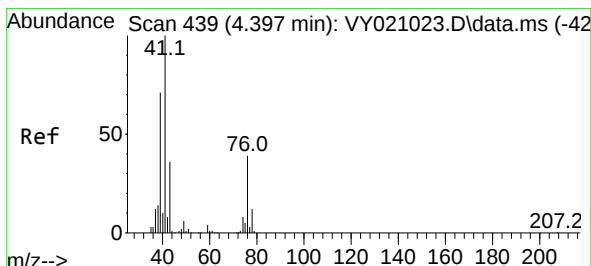
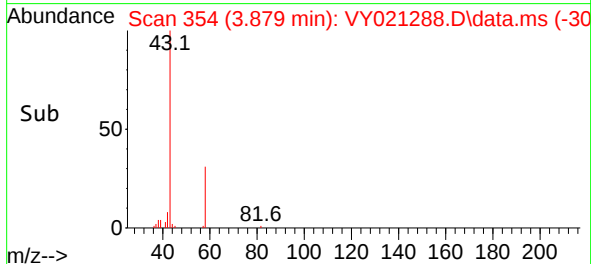
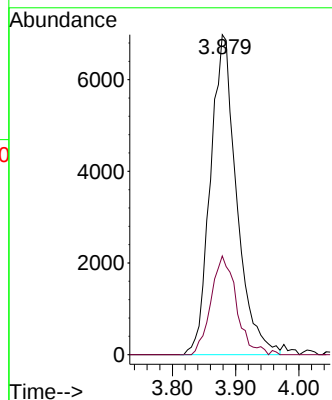
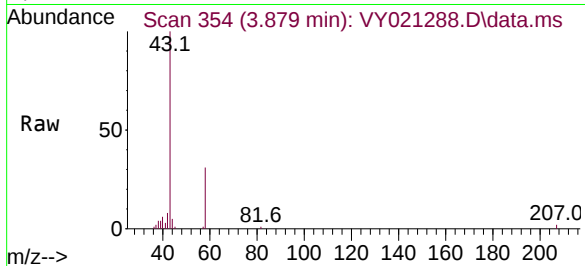




#16
Acetone
Concen: 76.393 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY021288.D
Acq: 21 Feb 2025 16:10

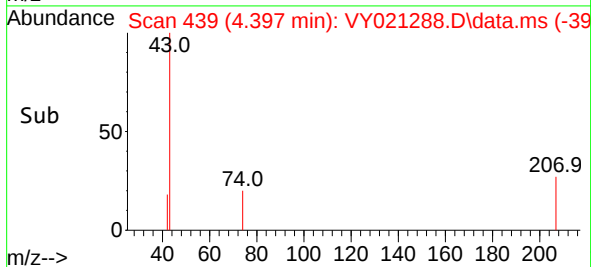
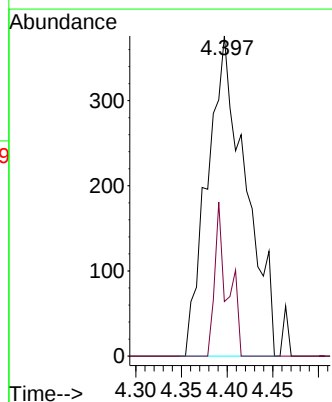
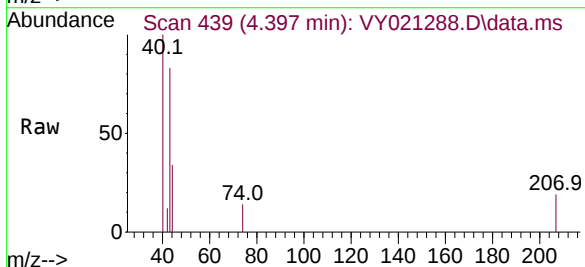
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-20-021725

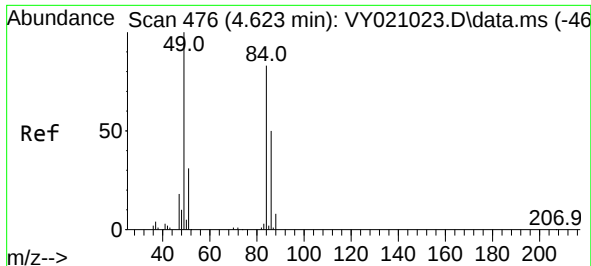
Tgt Ion: 43 Resp: 20132
Ion Ratio Lower Upper
43 100
58 30.8 26.6 39.8



#18
Methyl Acetate
Concen: 1.179 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY021288.D
Acq: 21 Feb 2025 16:10

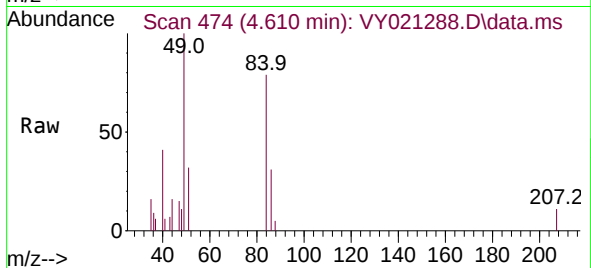
Tgt Ion: 43 Resp: 1091
Ion Ratio Lower Upper
43 100
74 16.1 19.8 29.6#



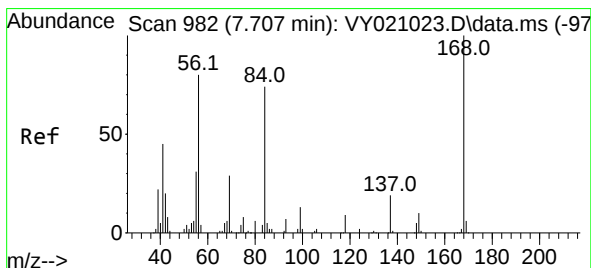
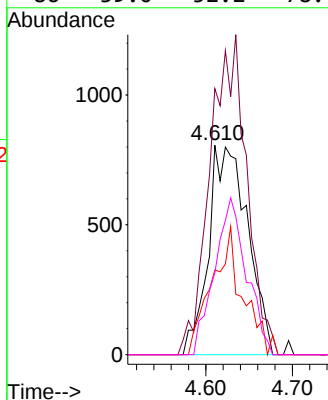
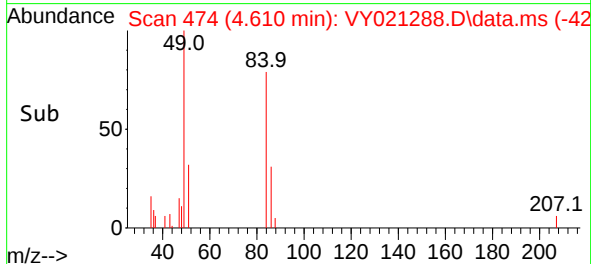


#20
Methylene Chloride
Concen: 1.549 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY021288.D
Acq: 21 Feb 2025 16:10

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-20-021725

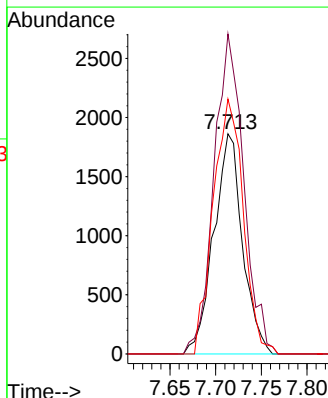
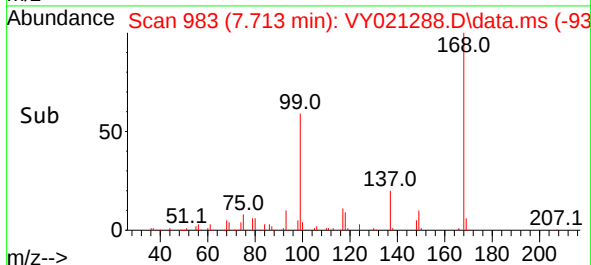
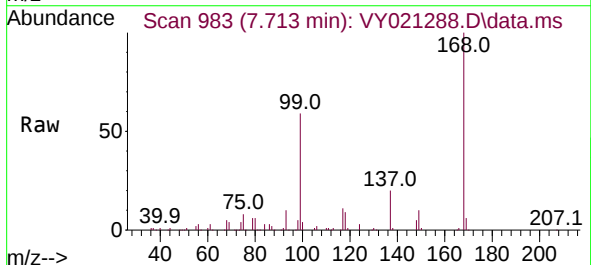


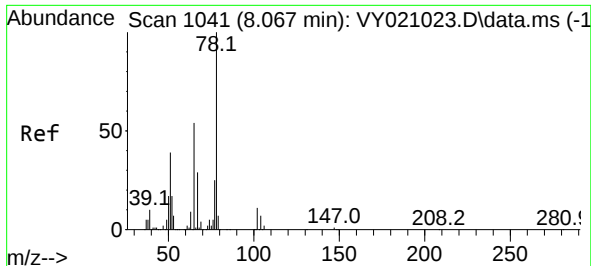
Tgt Ion:	84	Resp:	2538
Ion	Ratio	Lower	Upper
84	100		
49	127.0	95.2	142.8
51	40.4	29.9	44.9
86	39.0	52.2	78.4#



#31
Cyclohexane
Concen: 1.409 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY021288.D
Acq: 21 Feb 2025 16:10

Tgt Ion:	56	Resp:	4060
Ion	Ratio	Lower	Upper
56	100		
69	145.4	27.0	40.6#
84	115.8	71.8	107.6#





#33

1,2-Dichloroethane-d4

Concen: 68.127 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY021288.D

Acq: 21 Feb 2025 16:10

Instrument :

MSVOA_Y

ClientSampleId :

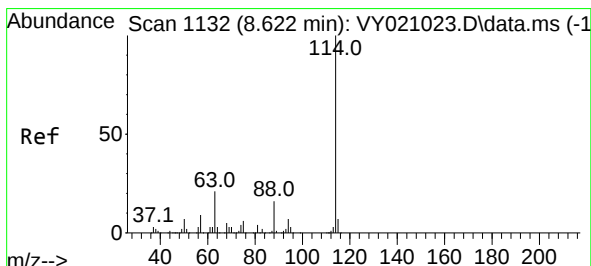
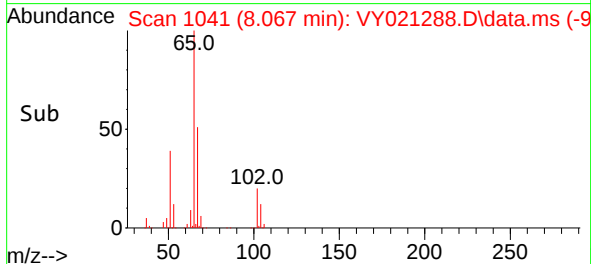
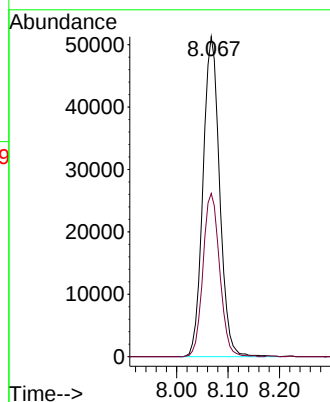
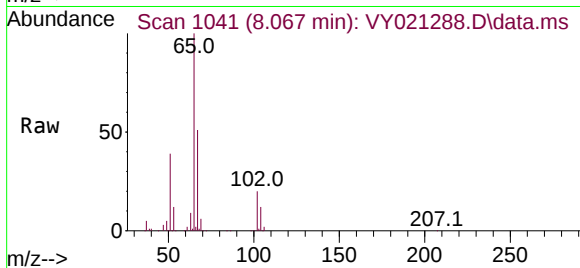
OU4-PCS-TC-20-021725

Tgt Ion: 65 Resp: 115126

Ion Ratio Lower Upper

65 100

67 51.0 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: VY021288.D

Acq: 21 Feb 2025 16:10

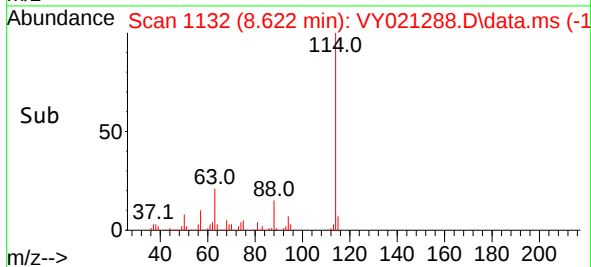
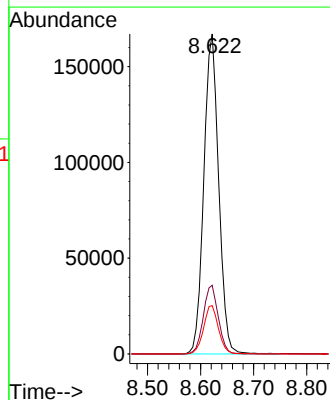
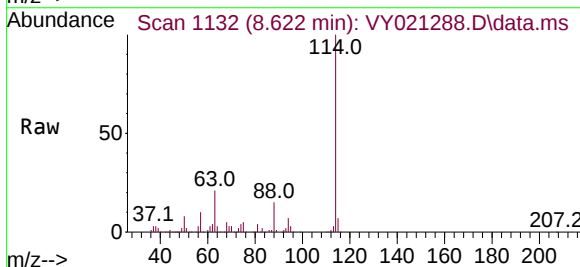
Tgt Ion: 114 Resp: 323735

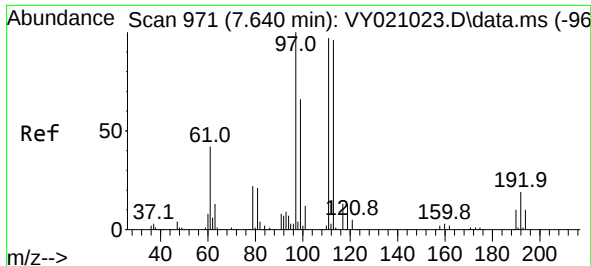
Ion Ratio Lower Upper

114 100

63 21.4 0.0 37.4

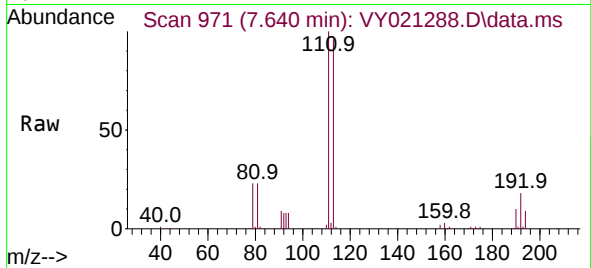
88 15.1 0.0 29.0



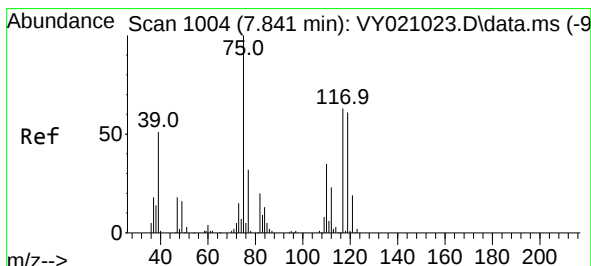
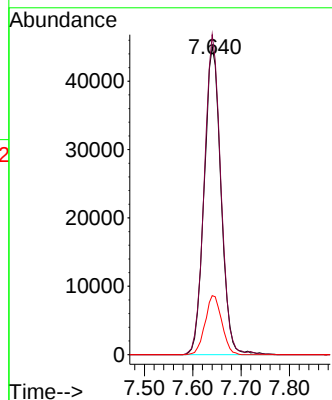
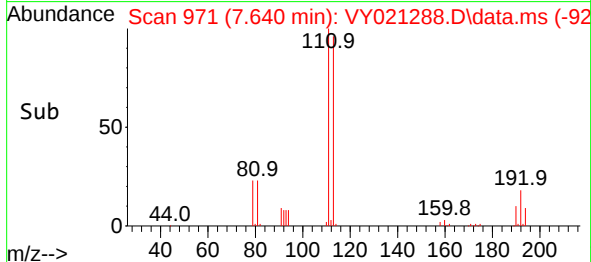


#35
Dibromofluoromethane
Concen: 52.158 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021288.D
Acq: 21 Feb 2025 16:10

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-20-021725

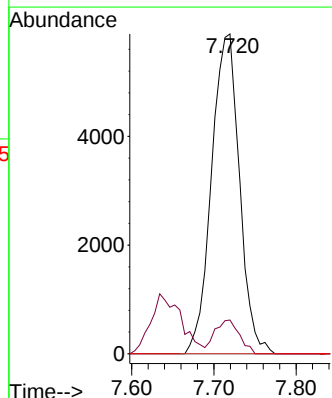
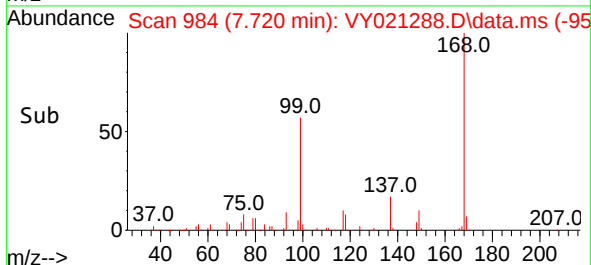
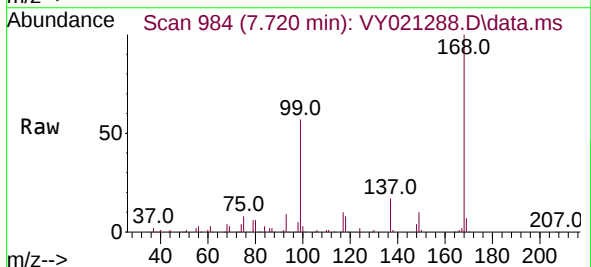


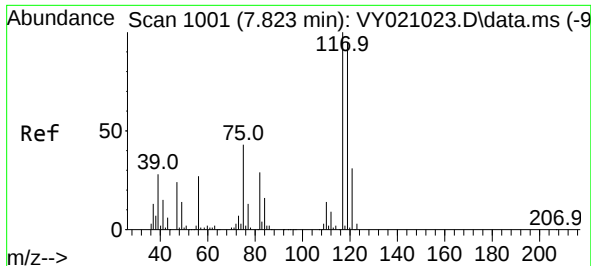
Tgt Ion:113 Resp: 108212
Ion Ratio Lower Upper
113 100
111 102.2 83.8 125.6
192 19.1 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.526 ug/l
RT: 7.720 min Scan# 984
Delta R.T. -0.122 min
Lab File: VY021288.D
Acq: 21 Feb 2025 16:10

Tgt Ion: 75 Resp: 13907
Ion Ratio Lower Upper
75 100
110 9.3 17.4 52.3#
77 0.0 24.7 37.1#

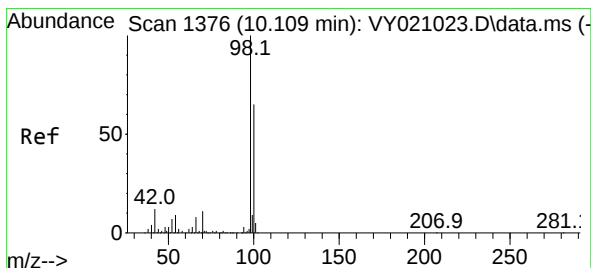
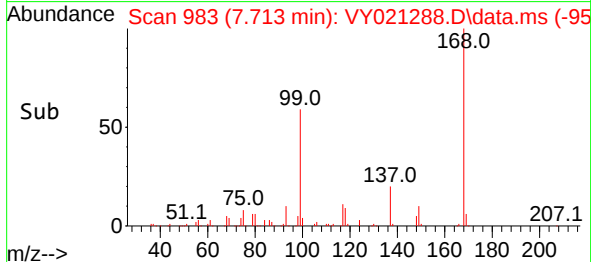
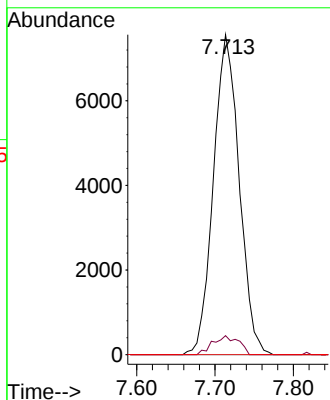
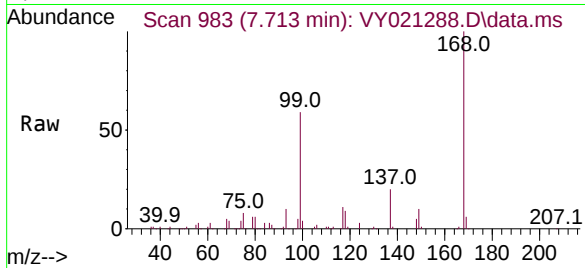




#38
Carbon Tetrachloride
Concen: 4.811 ug/l
RT: 7.713 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY021288.D
Acq: 21 Feb 2025 16:10

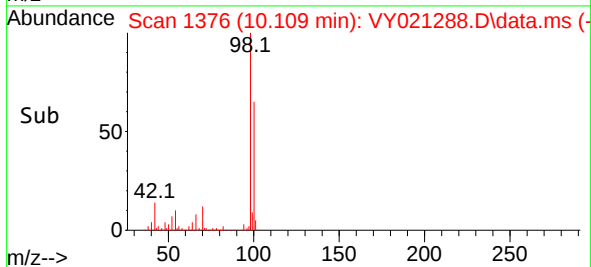
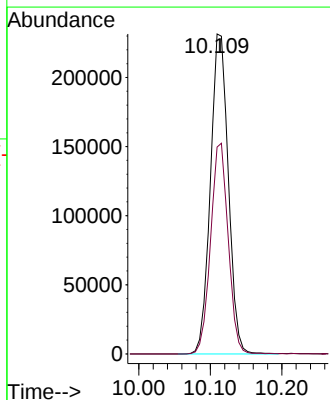
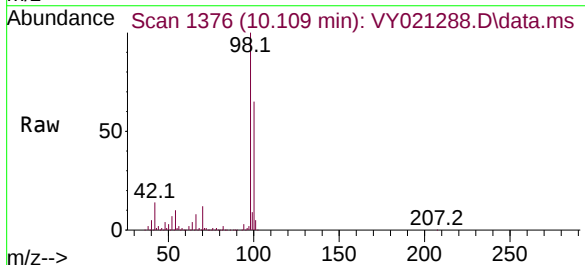
Instrument :
MSVOA_Y
ClientSampleId :
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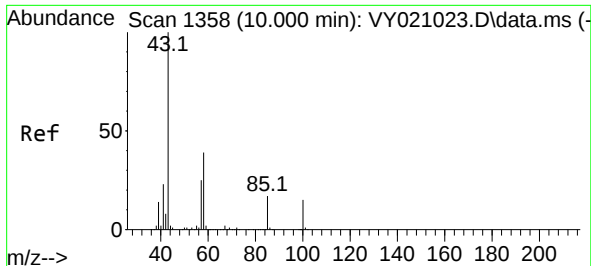
Tgt Ion:117 Resp: 17274
Ion Ratio Lower Upper
117 100
119 5.9 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.949 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021288.D
Acq: 21 Feb 2025 16:10

Tgt Ion: 98 Resp: 402427
Ion Ratio Lower Upper
98 100
100 64.7 52.3 78.5

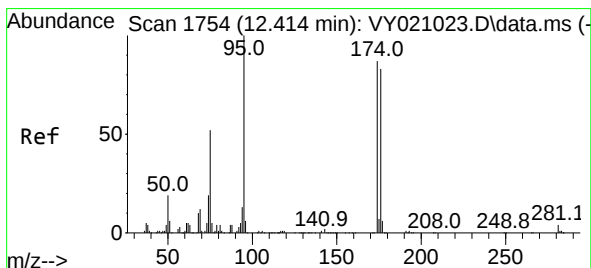
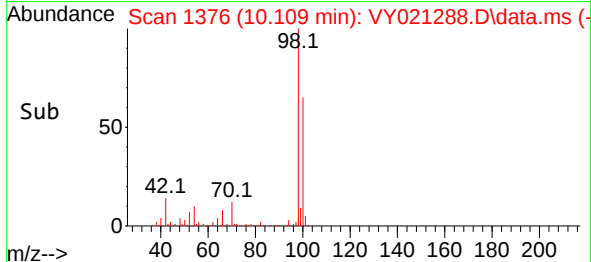
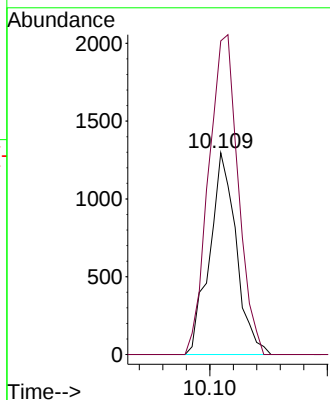
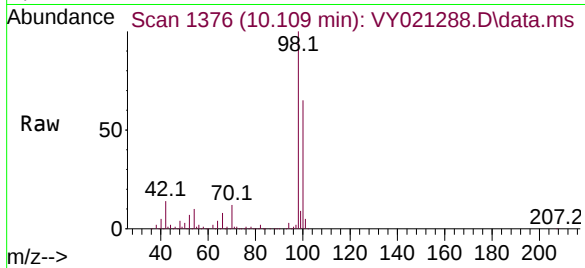




#51
4-Methyl-2-Pentanone
Concen: 1.515 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.110 min
Lab File: VY021288.D
Acq: 21 Feb 2025 16:10

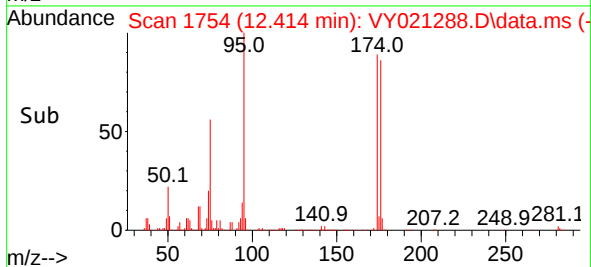
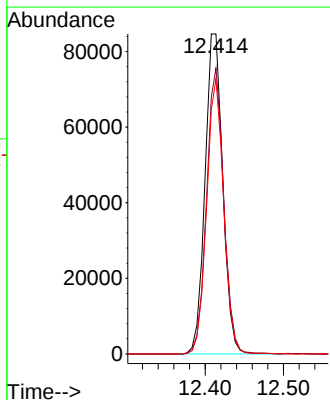
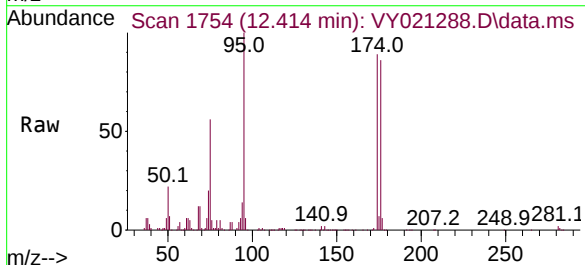
Instrument : MSVOA_Y
ClientSampleId : OU4-PCS-TC-20-021725

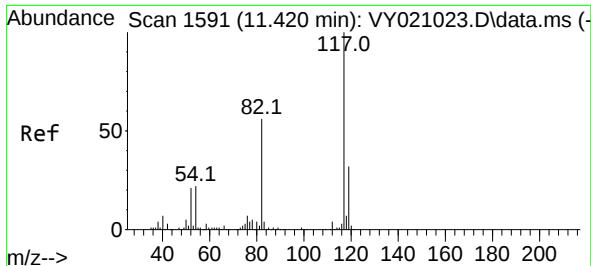
Tgt Ion: 43 Resp: 2041
Ion Ratio Lower Upper
43 100
58 175.7 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 51.682 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021288.D
Acq: 21 Feb 2025 16:10

Tgt Ion: 95 Resp: 133361
Ion Ratio Lower Upper
95 100
174 86.8 0.0 160.0
176 82.7 0.0 151.8

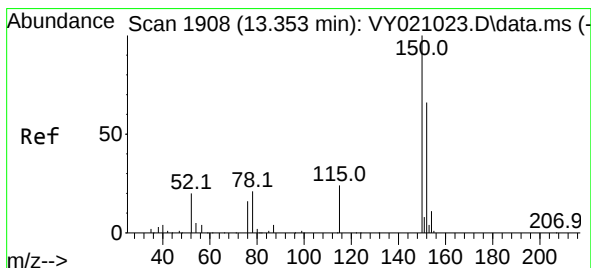
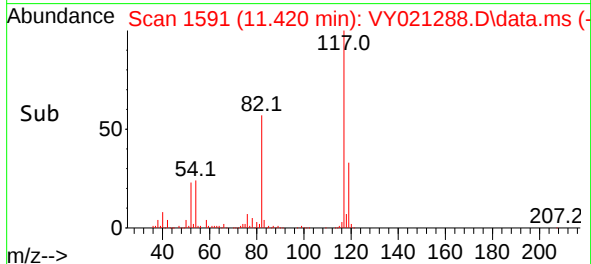
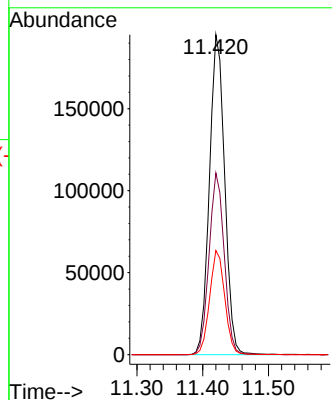
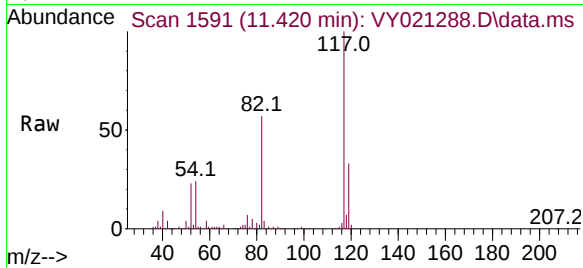




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021288.D
Acq: 21 Feb 2025 16:10

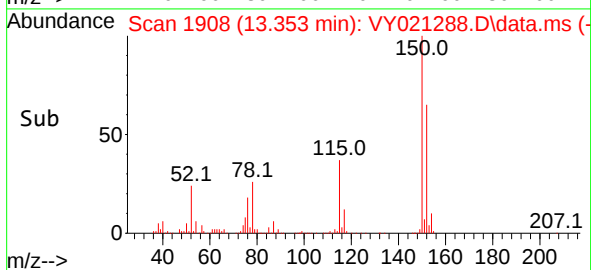
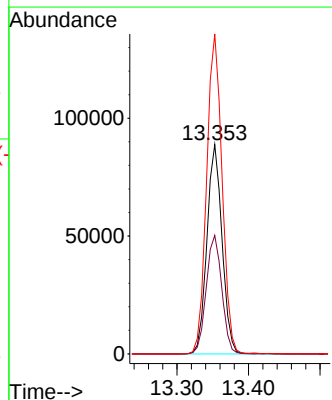
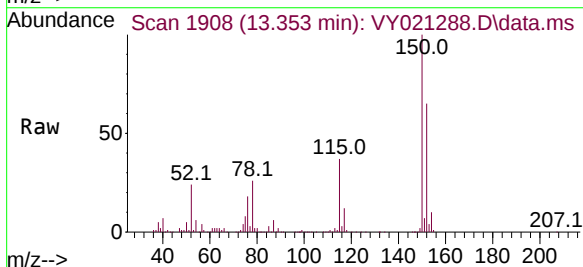
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-20-021725

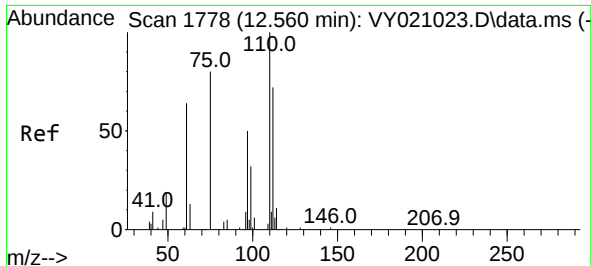
Tgt Ion:117 Resp: 313938
Ion Ratio Lower Upper
117 100
82 56.8 43.8 65.8
119 32.5 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021288.D
Acq: 21 Feb 2025 16:10

Tgt Ion:152 Resp: 130553
Ion Ratio Lower Upper
152 100
115 58.1 30.0 90.0
150 155.7 0.0 344.6

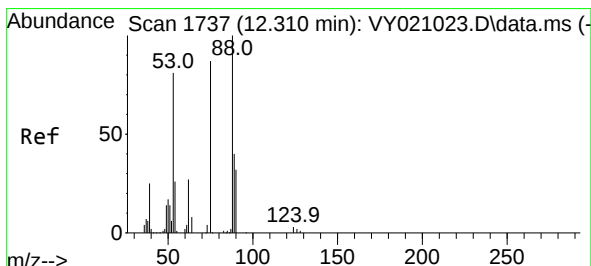
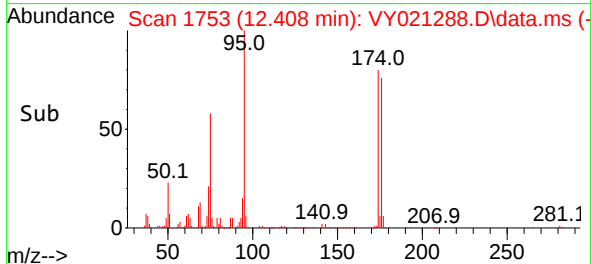
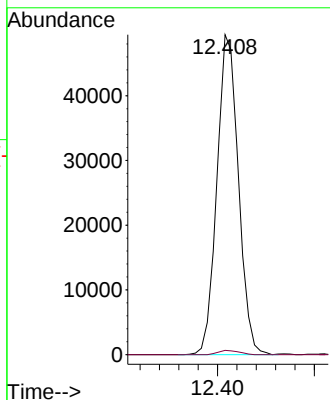
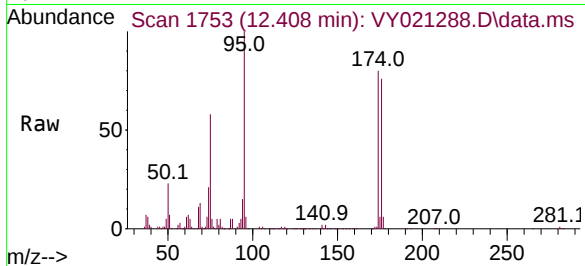




#76
1,2,3-Trichloropropane
Concen: 64.462 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021288.D
Acq: 21 Feb 2025 16:10

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-20-021725

Tgt Ion: 75 Resp: 76341
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.534 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.098 min
Lab File: VY021288.D
Acq: 21 Feb 2025 16:10

Tgt Ion: 75 Resp: 76341
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.1 36.5 54.7#

