

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
 Data File : VY021286.D
 Acq On : 21 Feb 2025 15:24
 Operator : SY/MD
 Sample : Q1383-15
 Misc : 5.74g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-18-021725

Quant Time: Feb 21 23:08:38 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	7.719	168	168253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	327688	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	315012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	126536	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	112157	65.061	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	130.120%
35) Dibromofluoromethane	7.640	113	110308	52.527	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.060%
50) Toluene-d8	10.115	98	407398	50.957	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.920%
62) 4-Bromofluorobenzene	12.414	95	132835	50.857	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.720%

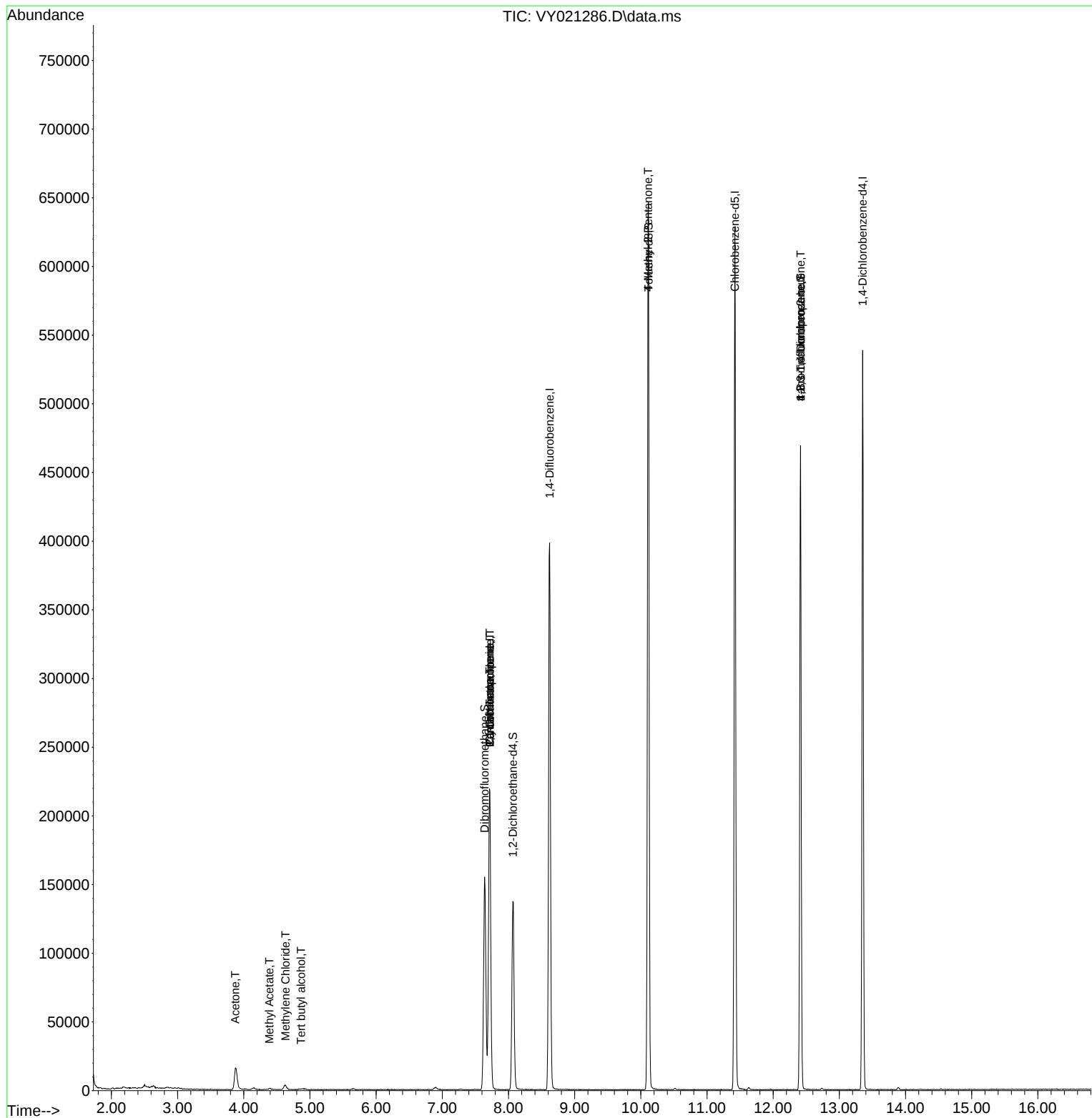
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.866	59	640	5.479	ug/l	# 85
16) Acetone	3.873	43	29983	111.529	ug/l	92
18) Methyl Acetate	4.385	43	1630	1.727	ug/l	92
20) Methylene Chloride	4.629	84	2249	1.346	ug/l	95
31) Cyclohexane	7.713	56	4195	1.427	ug/l	# 22
36) 1,1-Dichloropropene	7.719	75	13860	4.456	ug/l	# 52
38) Carbon Tetrachloride	7.719	117	17717	4.875	ug/l	# 17
51) 4-Methyl-2-Pentanone	10.109	43	2095	1.537	ug/l	# 1
76) 1,2,3-Trichloropropane	12.414	75	75857	66.087	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.414	75	75857	134.849	ug/l	# 12

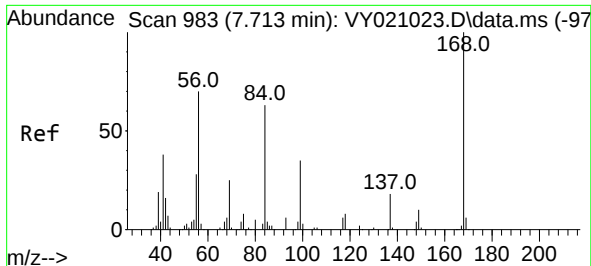
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
Data File : VY021286.D
Acq On : 21 Feb 2025 15:24
Operator : SY/MD
Sample : Q1383-15
Misc : 5.74g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-18-021725

Quant Time: Feb 21 23:08:38 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

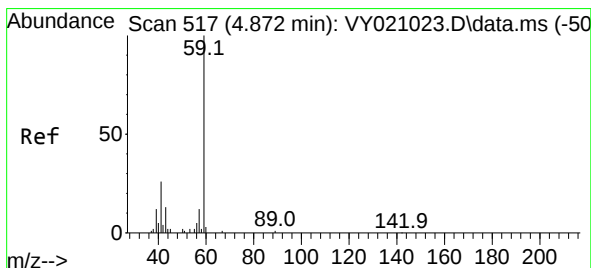
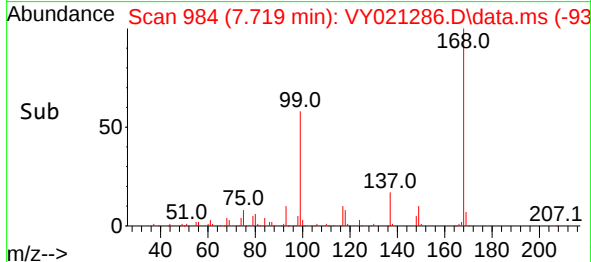
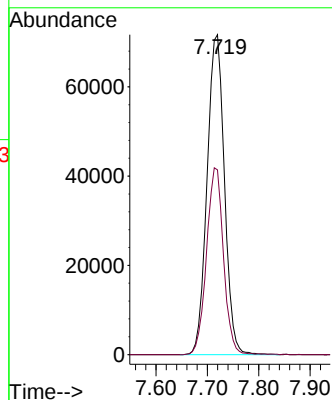
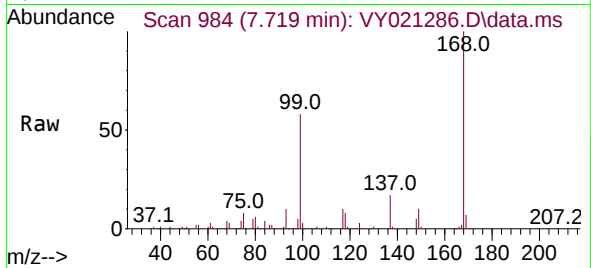




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY021286.D
Acq: 21 Feb 2025 15:24

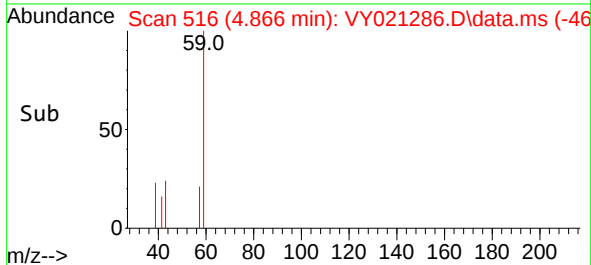
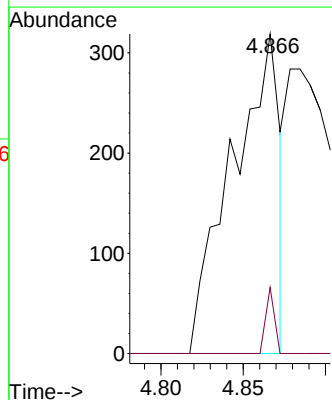
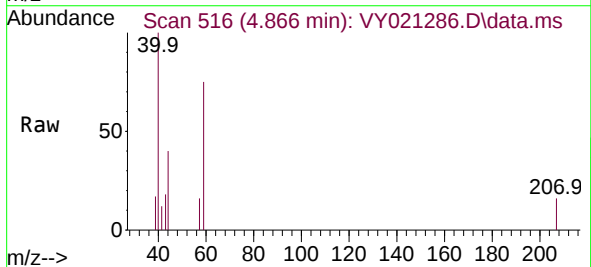
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-18-021725

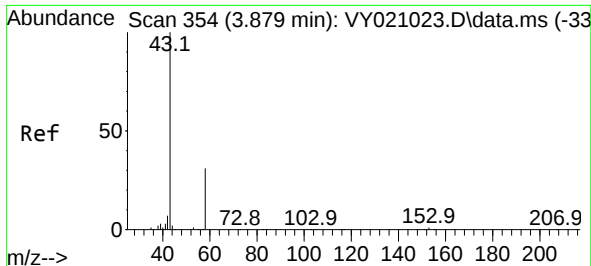
Tgt Ion:168 Resp: 168253
Ion Ratio Lower Upper
168 100
99 57.7 44.2 66.4



#11
Tert butyl alcohol
Concen: 5.479 ug/l
RT: 4.866 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY021286.D
Acq: 21 Feb 2025 15:24

Tgt Ion: 59 Resp: 640
Ion Ratio Lower Upper
59 100
57 3.8 7.4 11.0#

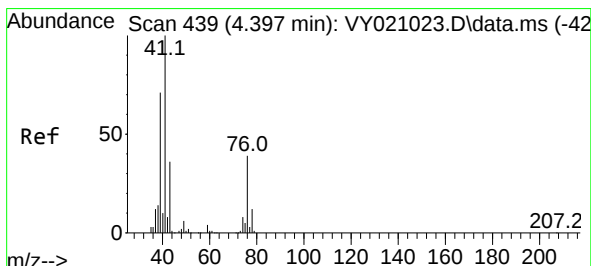
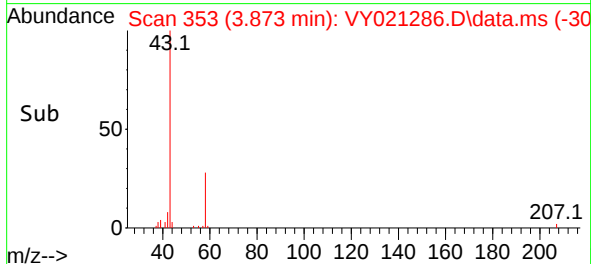
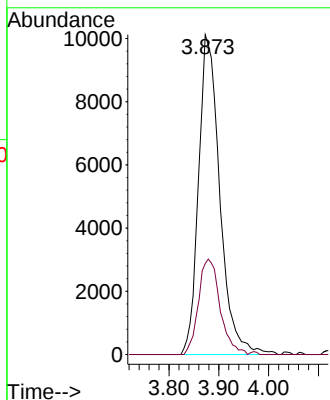
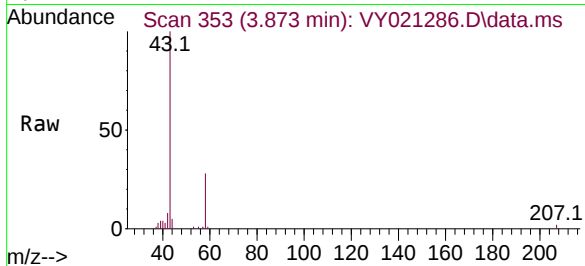




#16
Acetone
Concen: 111.529 ug/l
RT: 3.873 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY021286.D
Acq: 21 Feb 2025 15:24

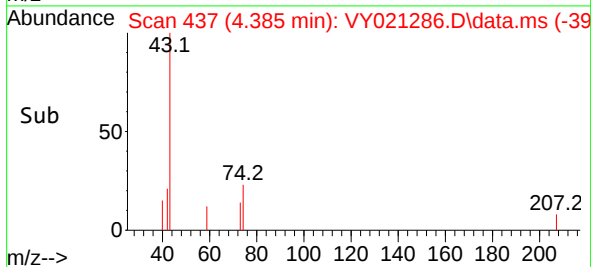
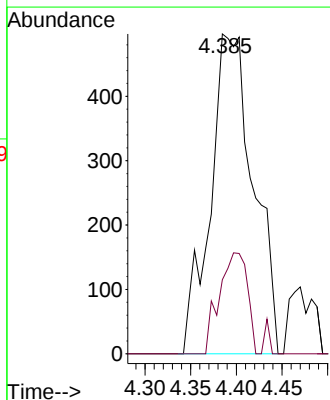
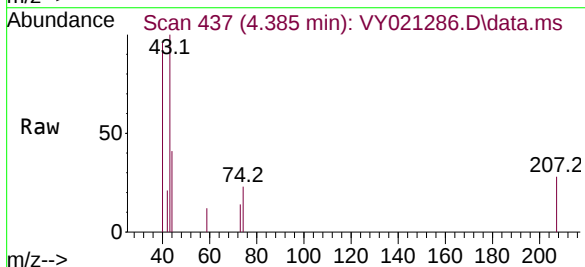
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-18-021725

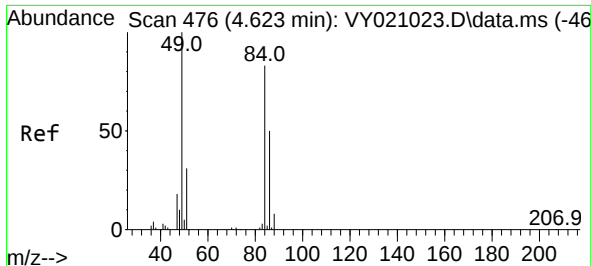
Tgt Ion: 43 Resp: 29983
Ion Ratio Lower Upper
43 100
58 28.5 26.6 39.8



#18
Methyl Acetate
Concen: 1.727 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.012 min
Lab File: VY021286.D
Acq: 21 Feb 2025 15:24

Tgt Ion: 43 Resp: 1630
Ion Ratio Lower Upper
43 100
74 20.6 19.8 29.6

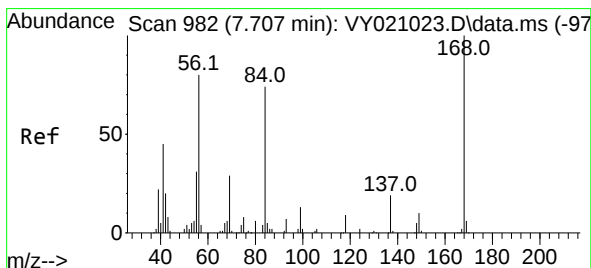
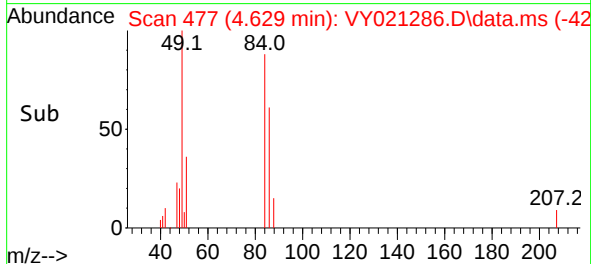
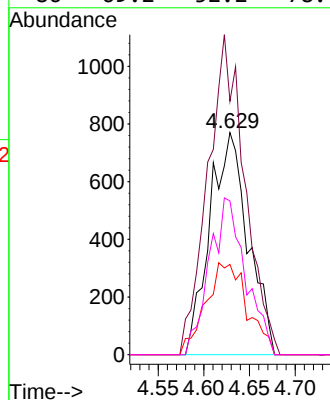
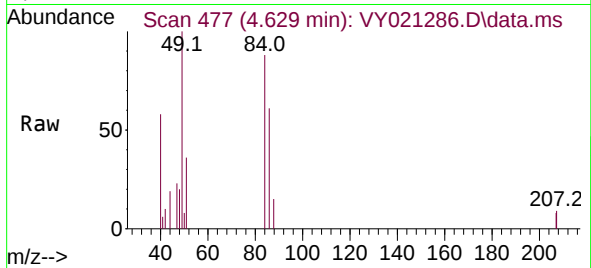




#20
Methylene Chloride
Concen: 1.346 ug/l
RT: 4.629 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY021286.D
Acq: 21 Feb 2025 15:24

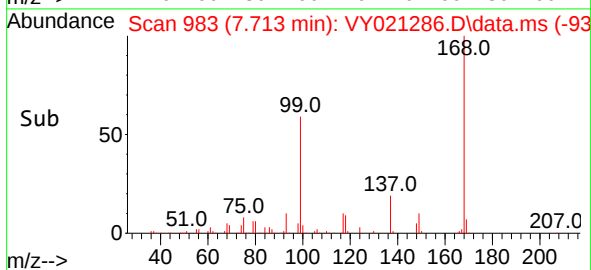
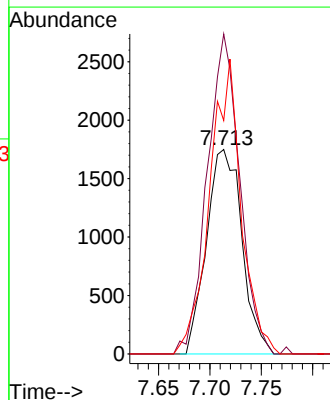
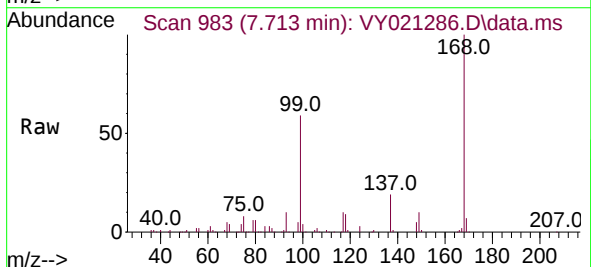
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-18-021725

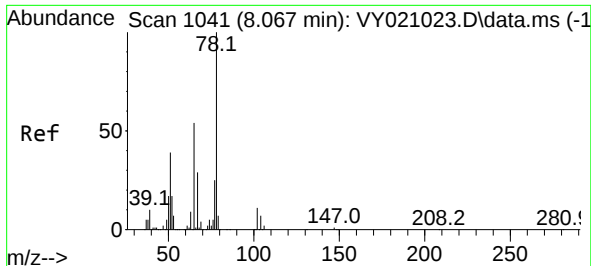
Tgt Ion:	84	Resp:	2249
Ion	Ratio	Lower	Upper
84	100		
49	114.2	95.2	142.8
51	40.6	29.9	44.9
86	69.2	52.2	78.4



#31
Cyclohexane
Concen: 1.427 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY021286.D
Acq: 21 Feb 2025 15:24

Tgt Ion:	56	Resp:	4195
Ion	Ratio	Lower	Upper
56	100		
69	156.6	27.0	40.6#
84	114.2	71.8	107.6#





#33

1,2-Dichloroethane-d4

Concen: 65.061 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY021286.D

Acq: 21 Feb 2025 15:24

Instrument :

MSVOA_Y

ClientSampleId :

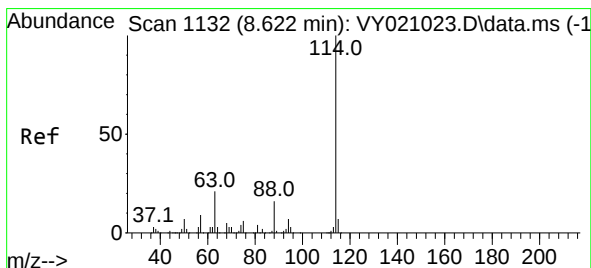
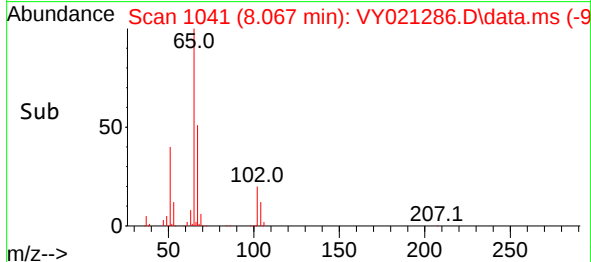
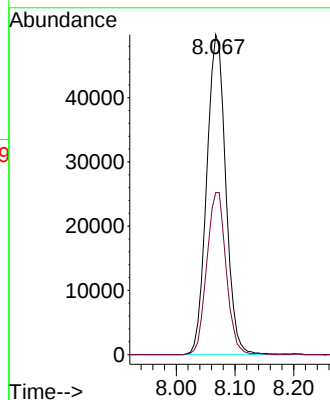
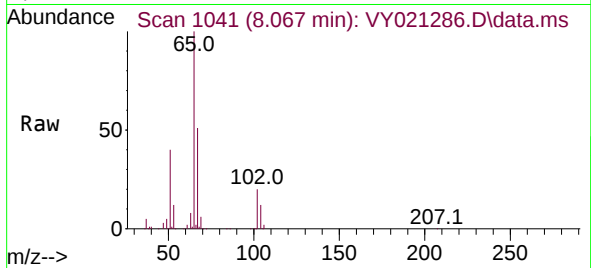
OU4-PCS-TC-18-021725

Tgt Ion: 65 Resp: 112157

Ion Ratio Lower Upper

65 100

67 51.5 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: VY021286.D

Acq: 21 Feb 2025 15:24

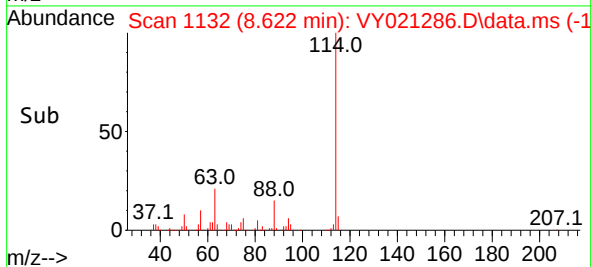
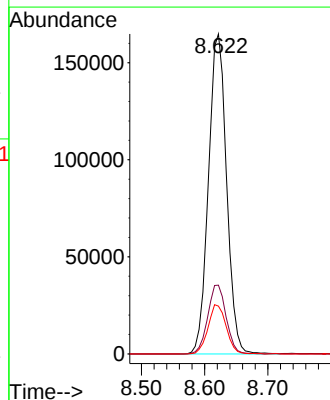
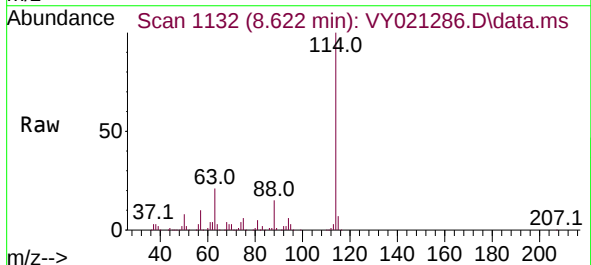
Tgt Ion: 114 Resp: 327688

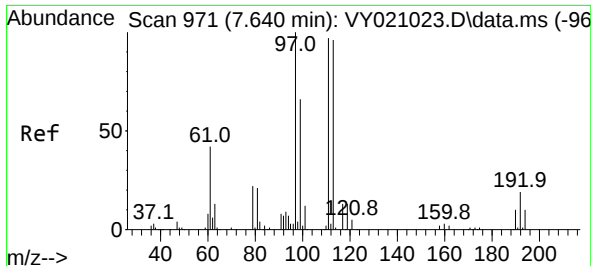
Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.4

88 14.9 0.0 29.0

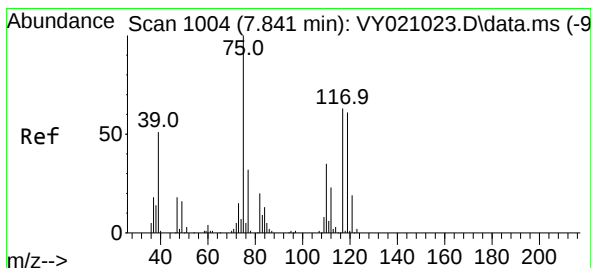
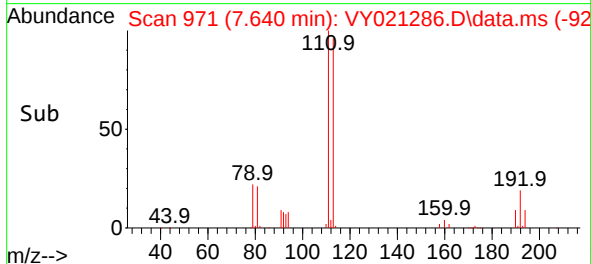
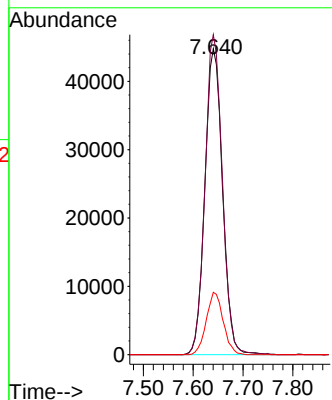
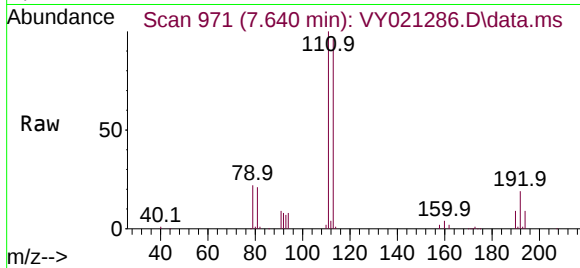




#35
Dibromofluoromethane
Concen: 52.527 ug/l
RT: 7.640 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY021286.D
Acq: 21 Feb 2025 15:24

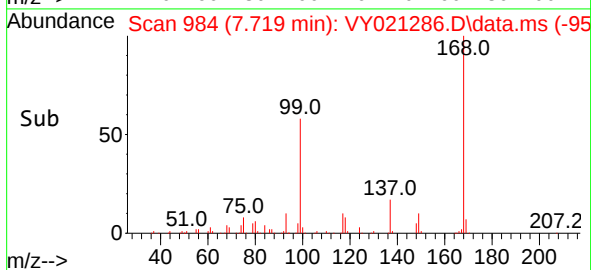
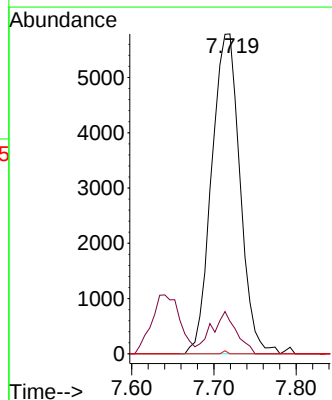
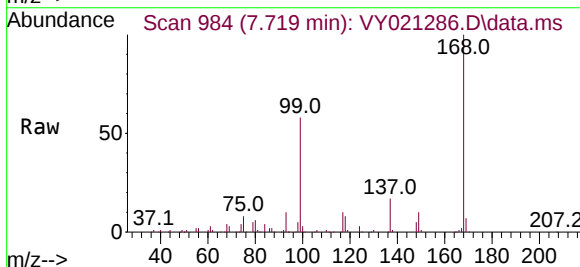
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-18-021725

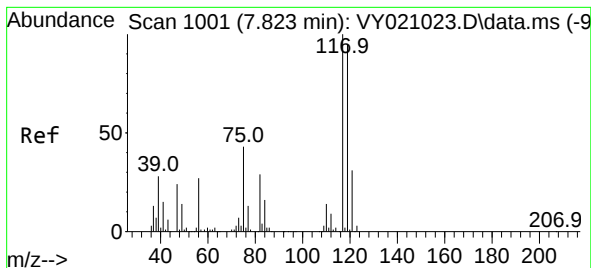
Tgt Ion:113 Resp: 110308
Ion Ratio Lower Upper
113 100
111 102.3 83.8 125.6
192 19.4 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.456 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.122 min
Lab File: VY021286.D
Acq: 21 Feb 2025 15:24

Tgt Ion: 75 Resp: 13860
Ion Ratio Lower Upper
75 100
110 11.7 17.4 52.3#
77 0.1 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.875 ug/l

RT: 7.719 min Scan# 98

Delta R.T. -0.104 min

Lab File: VY021286.D

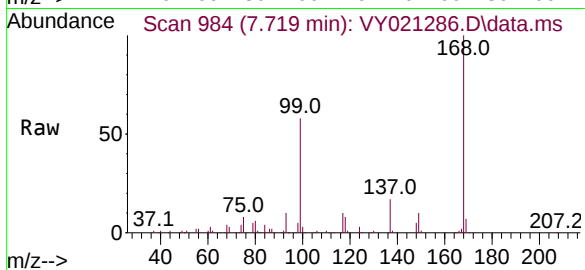
Acq: 21 Feb 2025 15:24

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-18-021725



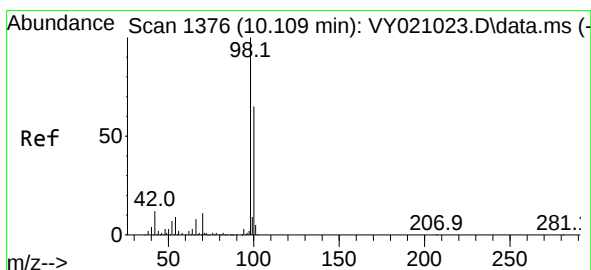
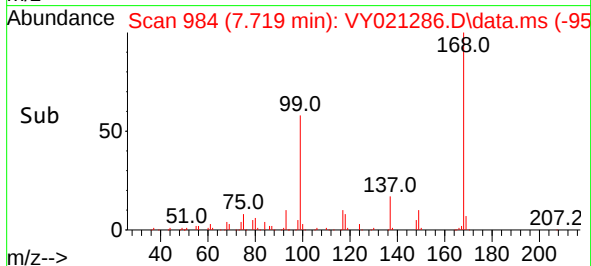
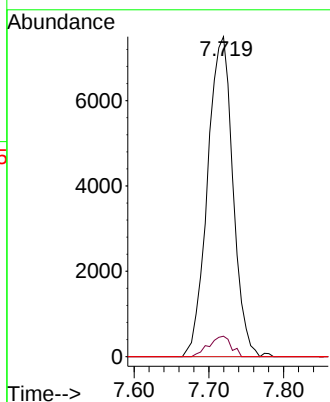
Tgt Ion:117 Resp: 17717

Ion Ratio Lower Upper

117 100

119 6.4 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 50.957 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY021286.D

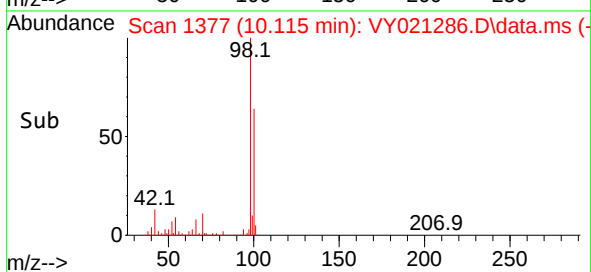
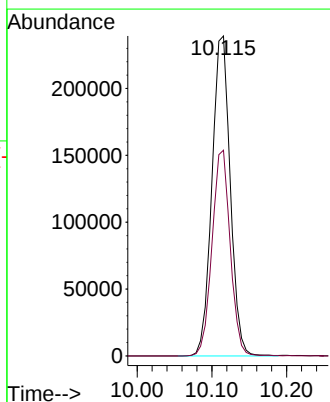
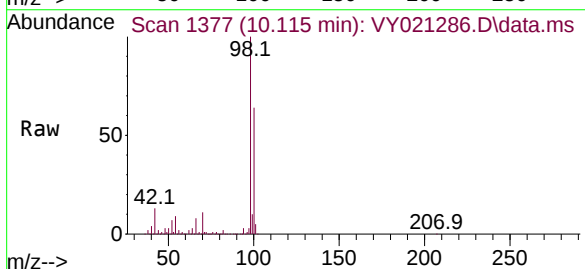
Acq: 21 Feb 2025 15:24

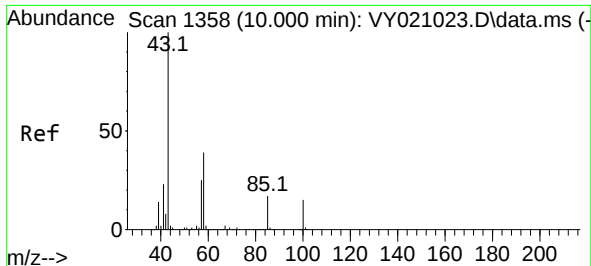
Tgt Ion: 98 Resp: 407398

Ion Ratio Lower Upper

98 100

100 63.9 52.3 78.5

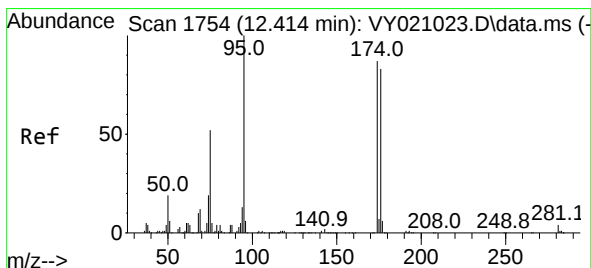
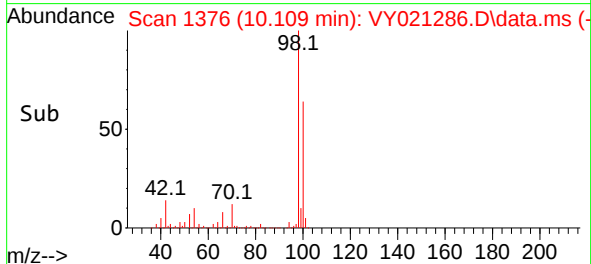
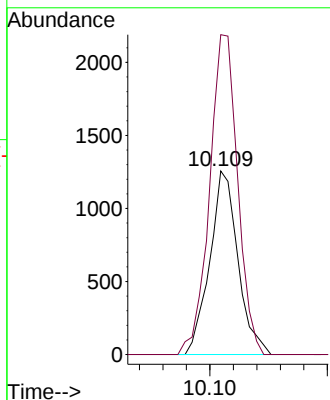
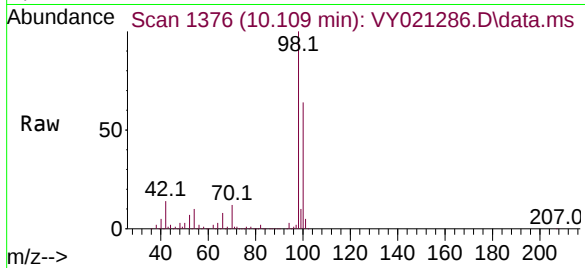




#51
4-Methyl-2-Pentanone
Concen: 1.537 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.110 min
Lab File: VY021286.D
Acq: 21 Feb 2025 15:24

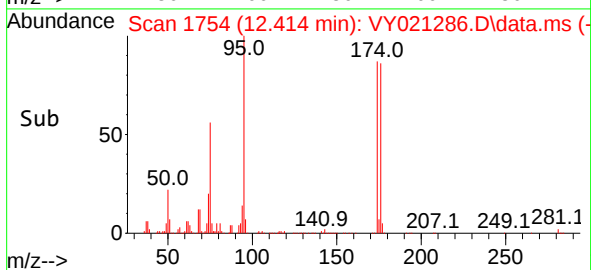
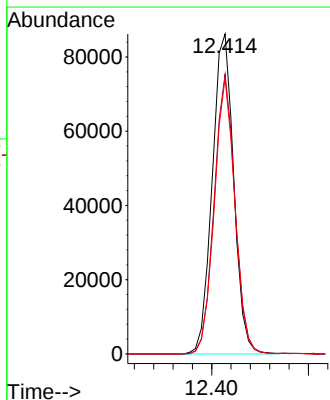
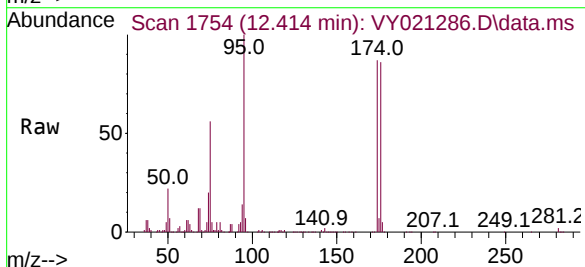
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-18-021725

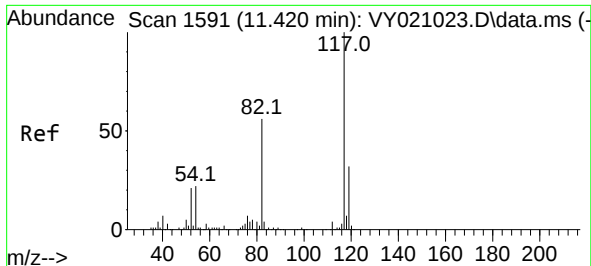
Tgt Ion: 43 Resp: 2095
Ion Ratio Lower Upper
43 100
58 173.7 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 50.857 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021286.D
Acq: 21 Feb 2025 15:24

Tgt Ion: 95 Resp: 132835
Ion Ratio Lower Upper
95 100
174 84.9 0.0 160.0
176 82.9 0.0 151.8

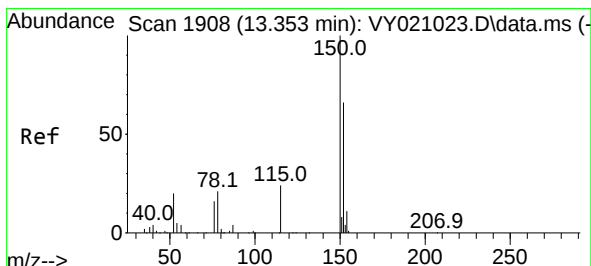
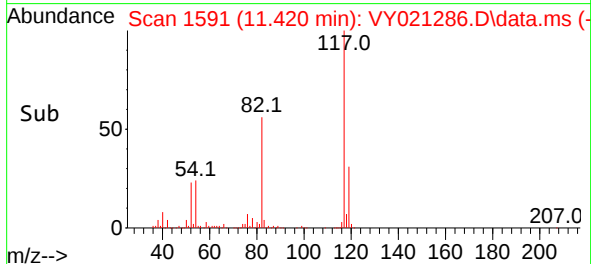
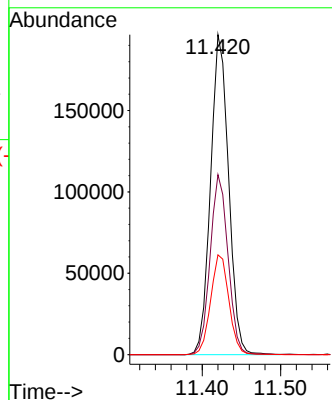
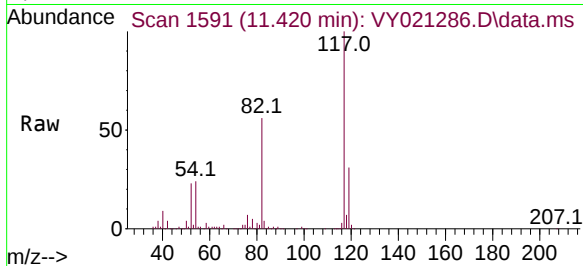




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021286.D
Acq: 21 Feb 2025 15:24

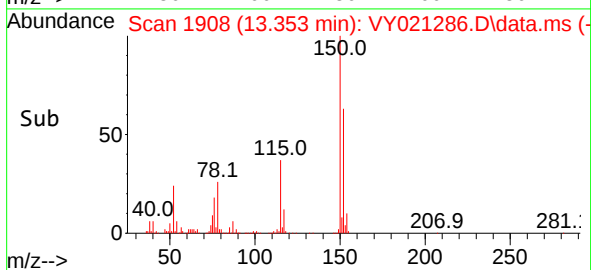
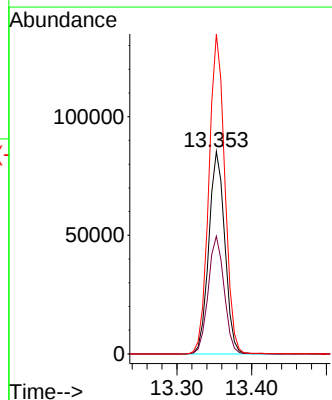
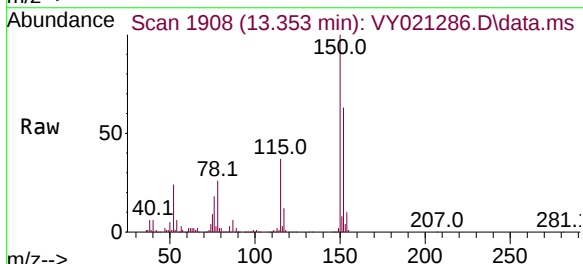
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-18-021725

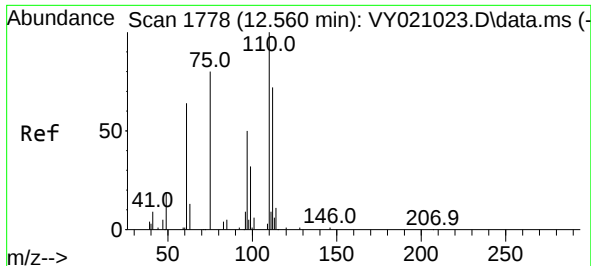
Tgt Ion:117 Resp: 315012
Ion Ratio Lower Upper
117 100
82 56.2 43.8 65.8
119 31.2 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021286.D
Acq: 21 Feb 2025 15:24

Tgt Ion:152 Resp: 126536
Ion Ratio Lower Upper
152 100
115 57.9 30.0 90.0
150 157.5 0.0 344.6

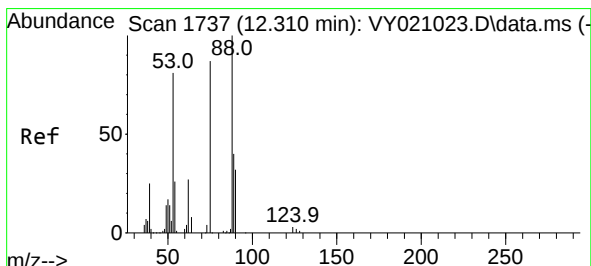
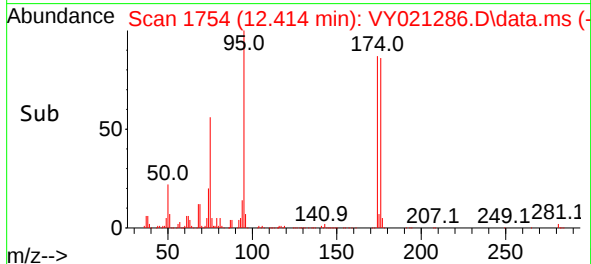
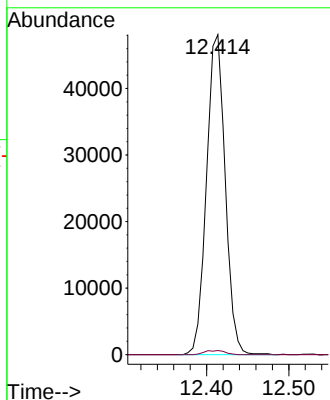
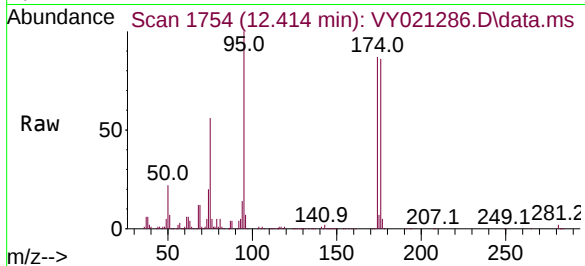




#76
1,2,3-Trichloropropane
Concen: 66.087 ug/l
RT: 12.414 min Scan# 1778
Delta R.T. -0.146 min
Lab File: VY021286.D
Acq: 21 Feb 2025 15:24

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-18-021725

Tgt Ion: 75 Resp: 75857
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.849 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.104 min
Lab File: VY021286.D
Acq: 21 Feb 2025 15:24

Tgt Ion: 75 Resp: 75857
Ion Ratio Lower Upper
75 100
53 0.1 74.0 111.0#
89 0.0 36.5 54.7#

