

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021461.D
 Acq On : 07 Mar 2025 15:15
 Operator : SY/MD
 Sample : Q1488-11
 Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-104-SB02

Quant Time: Mar 07 22:02:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

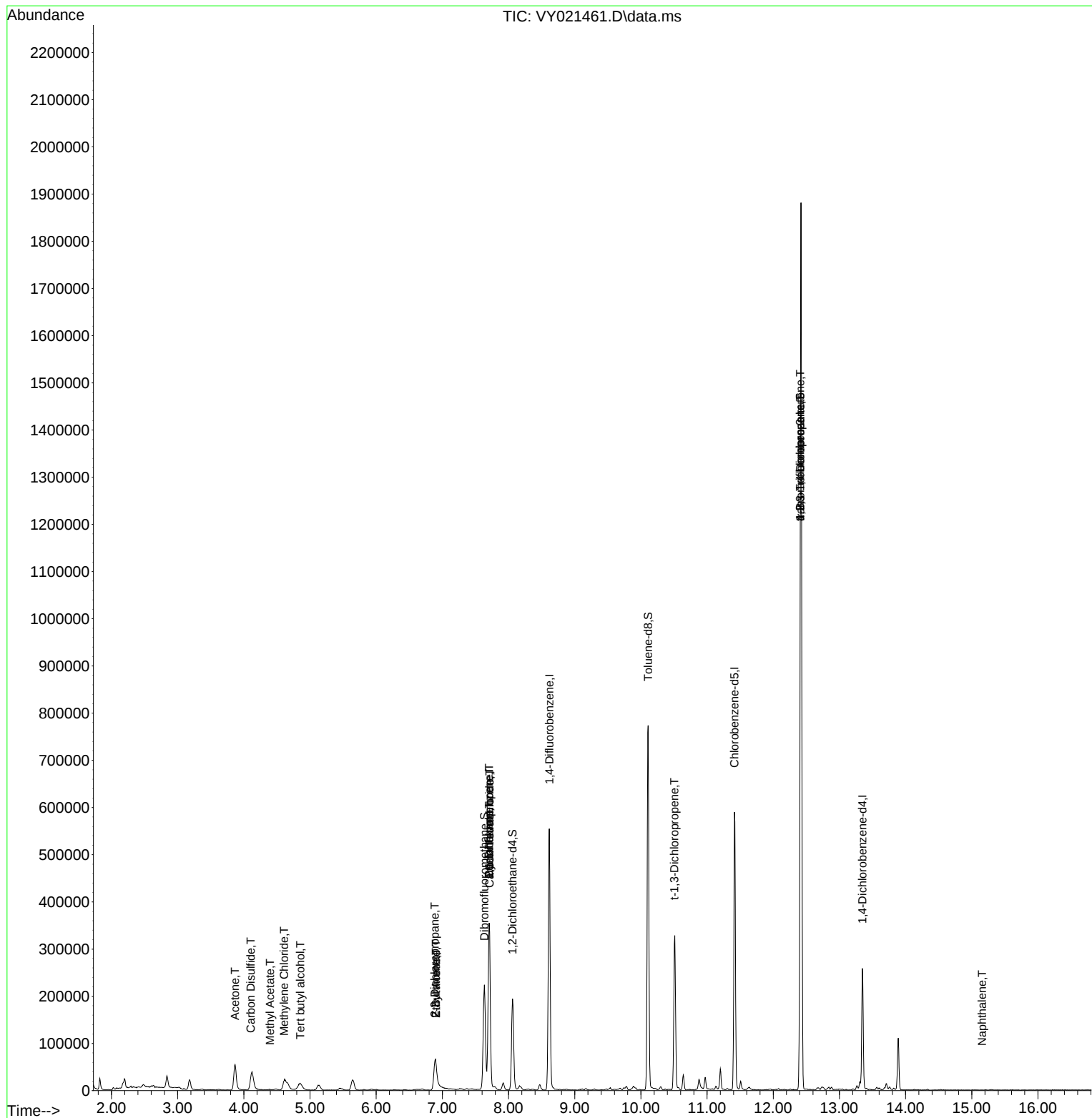
Internal Standards						
1) Pentafluorobenzene	7.707	168	263229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	450669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	301719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	63186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	153458	55.158	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.320%	
35) Dibromofluoromethane	7.634	113	154689	52.219	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.440%	
50) Toluene-d8	10.109	98	496396	44.257	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 88.520%	
62) 4-Bromofluorobenzene	12.408	95	100255	26.277	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 52.560%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	27141	140.139	ug/l	97
16) Acetone	3.867	43	94589	155.877	ug/l	92
17) Carbon Disulfide	4.104	76	10898	1.286	ug/l	98
18) Methyl Acetate	4.397	43	2027	1.505	ug/l #	61
20) Methylene Chloride	4.610	84	13740	4.314	ug/l	96
25) 2-Butanone	6.903	43	10422	12.416	ug/l #	84
26) 2,2-Dichloropropane	6.884	77	5350	1.046	ug/l #	54
31) Cyclohexane	7.707	56	8198	1.573	ug/l #	43
36) 1,1-Dichloropropene	7.707	75	22579	4.869	ug/l #	50
37) Ethyl Acetate	6.903	43	10422	5.085	ug/l #	70
38) Carbon Tetrachloride	7.713	117	27870	5.226	ug/l #	16
53) t-1,3-Dichloropropene	10.506	75	4543	1.073	ug/l #	59
76) 1,2,3-Trichloropropane	12.408	75	66675	104.717	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	66675	238.055	ug/l #	13
95) Naphthalene	15.157	128	215	1.574	ug/l #	69

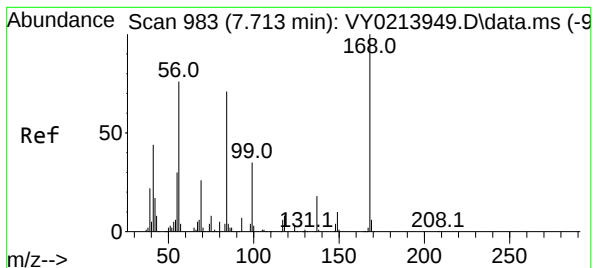
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY021461.D

Acq: 07 Mar 2025 15:15

Instrument :

MSVOA_Y

ClientSampleId :

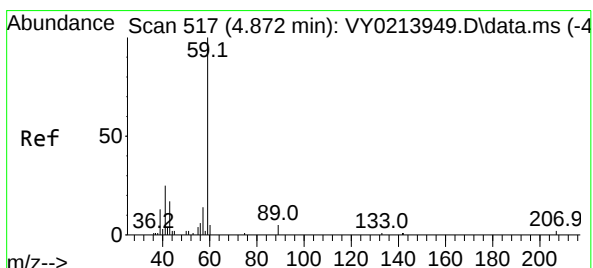
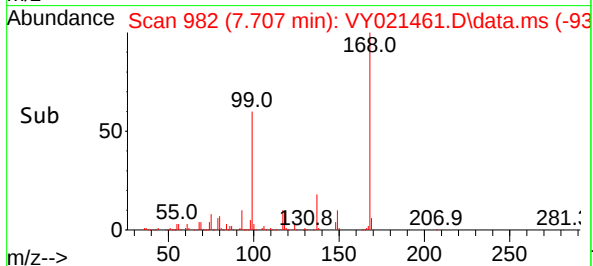
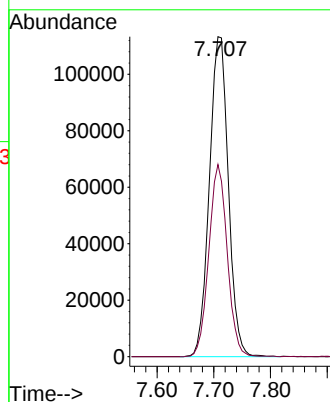
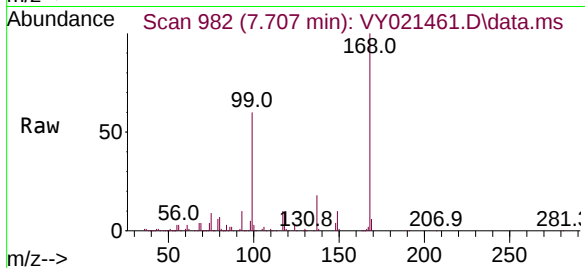
ENV-104-SB02

Tgt Ion:168 Resp: 263229

Ion Ratio Lower Upper

168 100

99 60.0 46.0 69.0



#11

Tert butyl alcohol

Concen: 140.139 ug/l

RT: 4.854 min Scan# 514

Delta R.T. -0.018 min

Lab File: VY021461.D

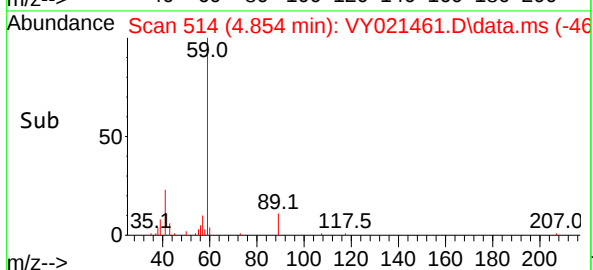
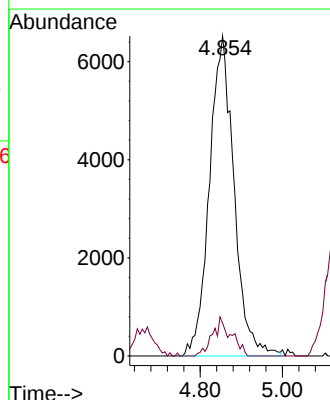
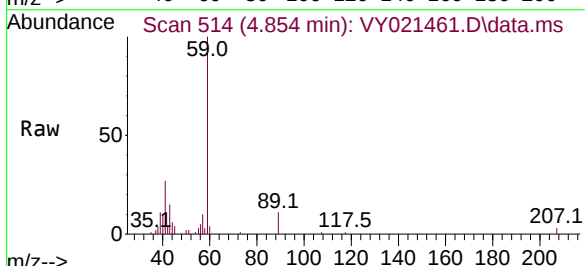
Acq: 07 Mar 2025 15:15

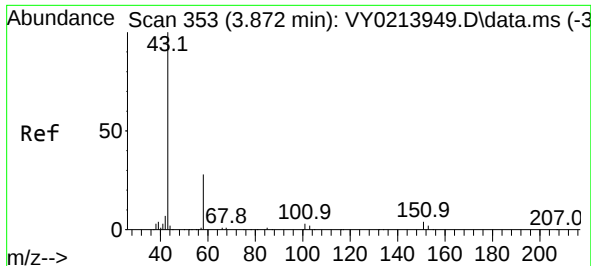
Tgt Ion: 59 Resp: 27141

Ion Ratio Lower Upper

59 100

57 9.1 8.2 12.4

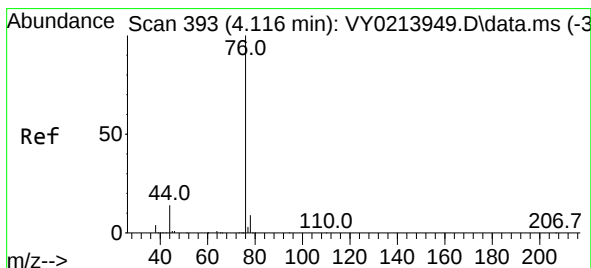
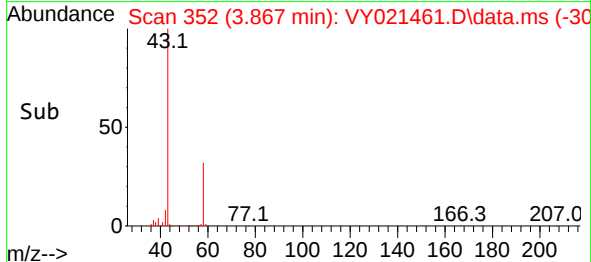
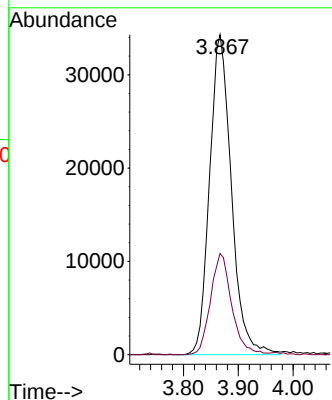
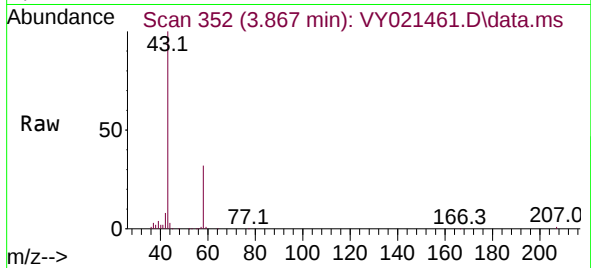




#16
Acetone
Concen: 155.877 ug/l
RT: 3.867 min Scan# 31
Delta R.T. -0.005 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

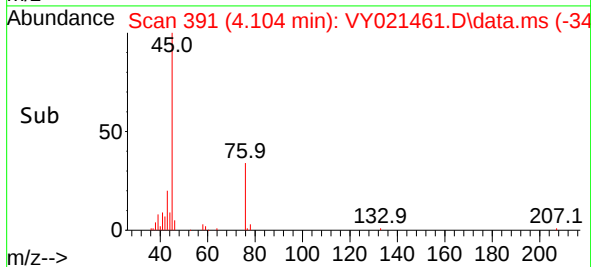
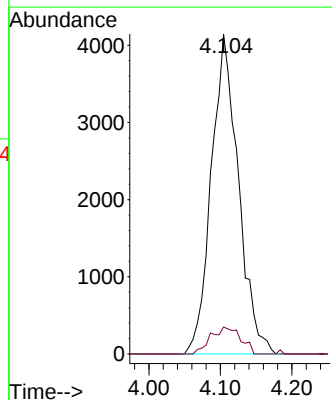
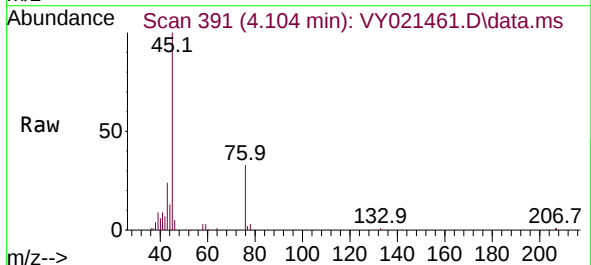
Instrument :
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ClientSampleId :
ENV-104-SB02

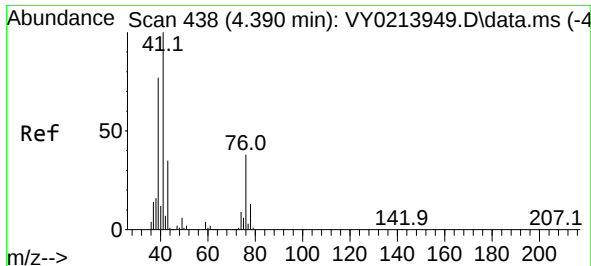
Tgt Ion: 43 Resp: 94589
Ion Ratio Lower Upper
43 100
58 31.6 22.1 33.1



#17
Carbon Disulfide
Concen: 1.286 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.012 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

Tgt Ion: 76 Resp: 10898
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0

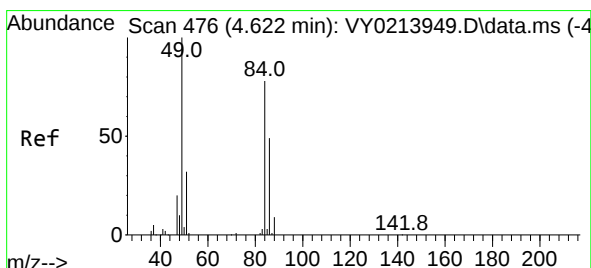
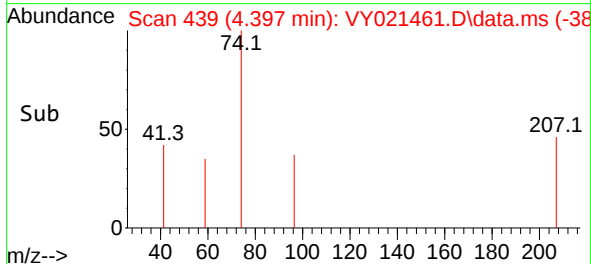
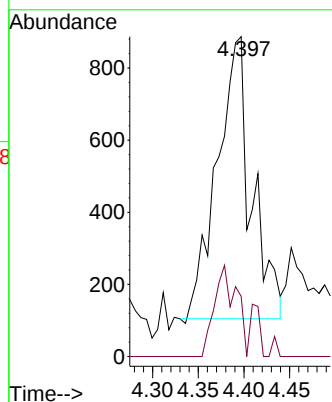
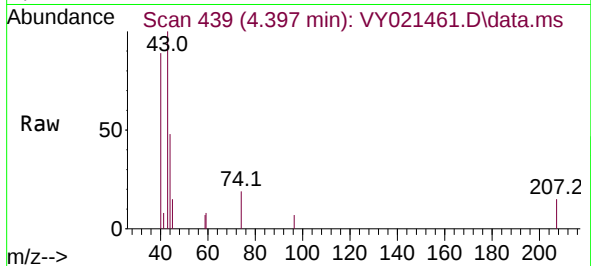




#18
Methyl Acetate
Concen: 1.505 ug/l
RT: 4.397 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

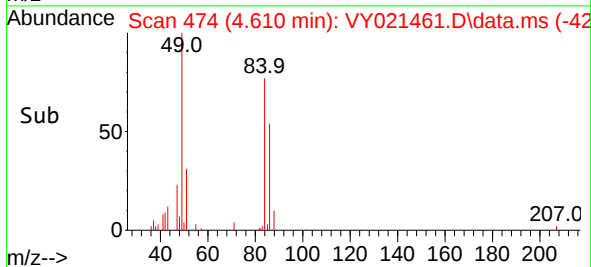
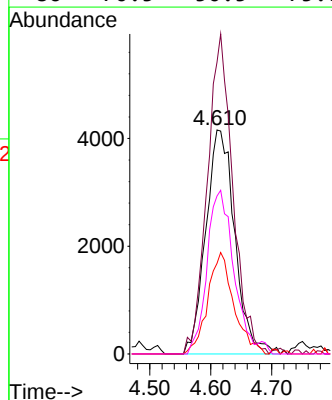
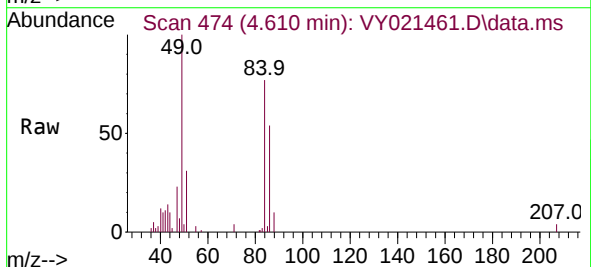
Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

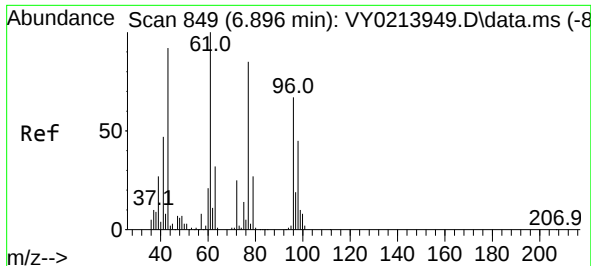
Tgt Ion: 43 Resp: 2027
Ion Ratio Lower Upper
43 100
74 5.1 19.4 29.0#



#20
Methylene Chloride
Concen: 4.314 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

Tgt Ion: 84 Resp: 13740
Ion Ratio Lower Upper
84 100
49 130.2 102.0 153.0
51 40.4 33.0 49.6
86 70.5 50.5 75.7

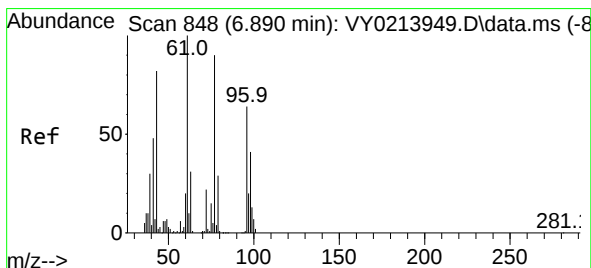
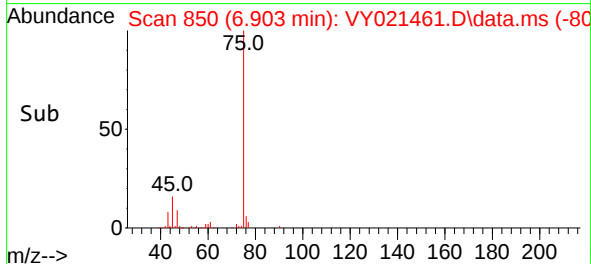
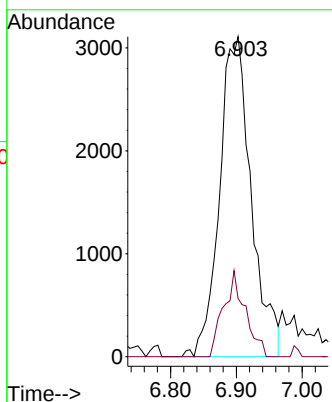
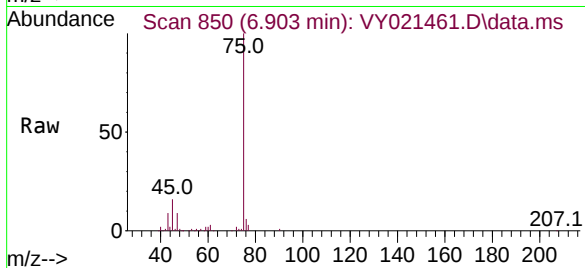




#25
2-Butanone
Concen: 12.416 ug/l
RT: 6.903 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

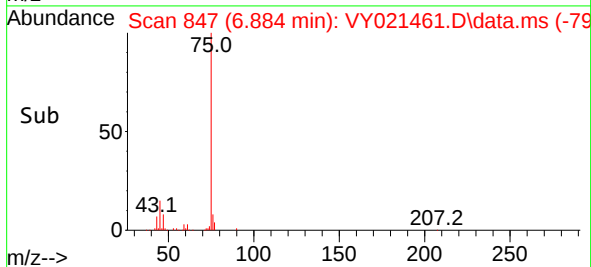
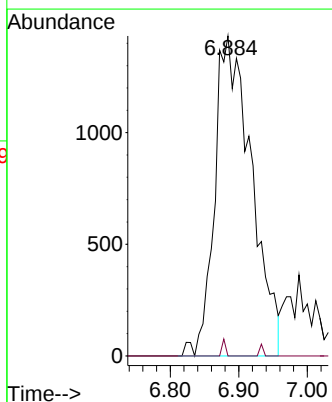
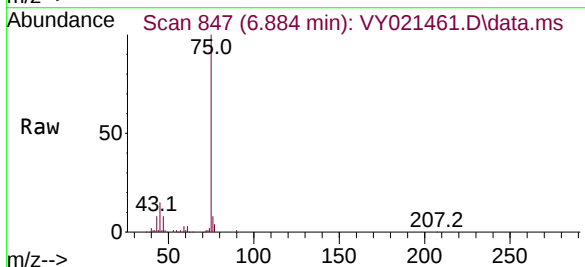
Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

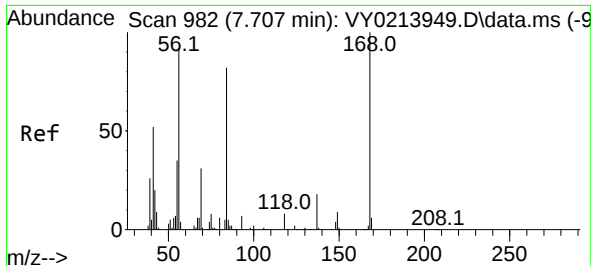
Tgt Ion: 43 Resp: 10422
Ion Ratio Lower Upper
43 100
72 18.2 21.4 32.0#



#26
2,2-Dichloropropane
Concen: 1.046 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

Tgt Ion: 77 Resp: 5350
Ion Ratio Lower Upper
77 100
97 0.5 11.3 33.8#

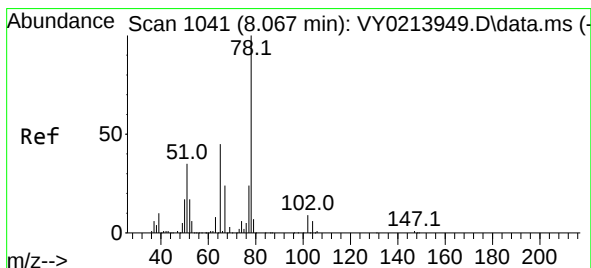
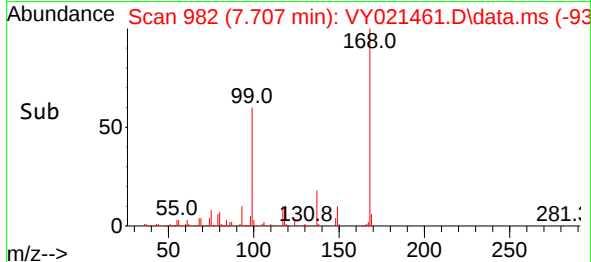
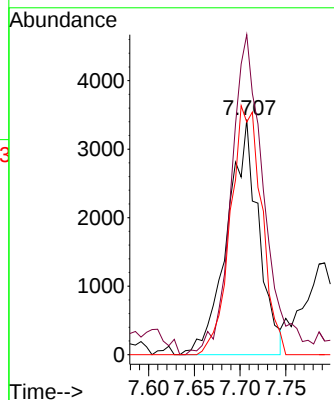
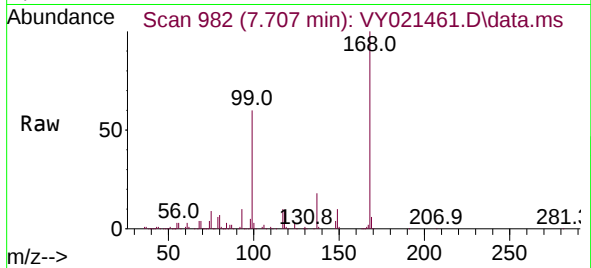




#31
Cyclohexane
Concen: 1.573 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

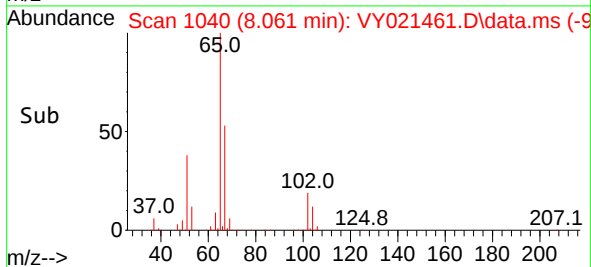
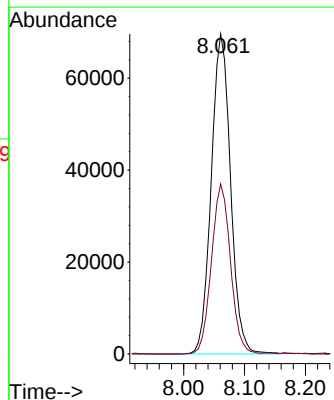
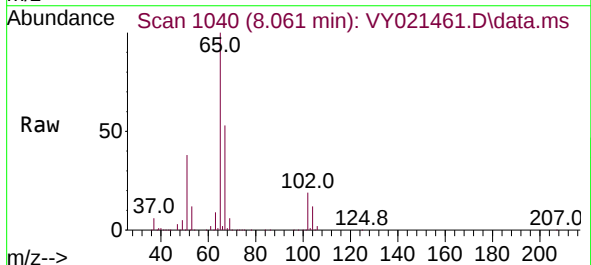
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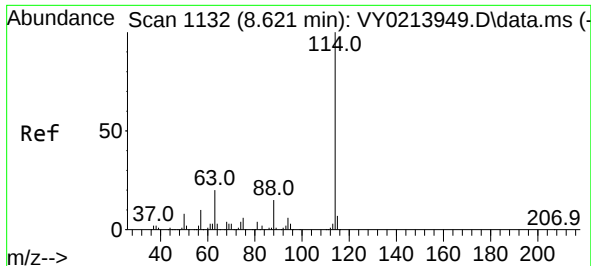
Tgt Ion: 56 Resp: 8198
Ion Ratio Lower Upper
56 100
69 136.1 27.0 40.4#
84 99.0 71.1 106.7



#33
1,2-Dichloroethane-d4
Concen: 55.158 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

Tgt Ion: 65 Resp: 153458
Ion Ratio Lower Upper
65 100
67 52.3 0.0 102.8

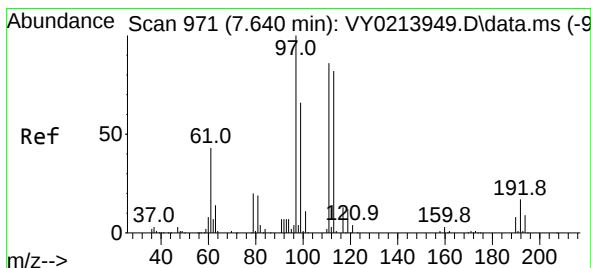
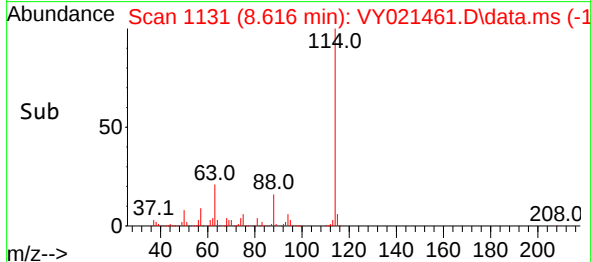
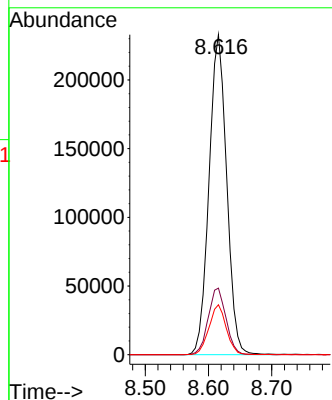
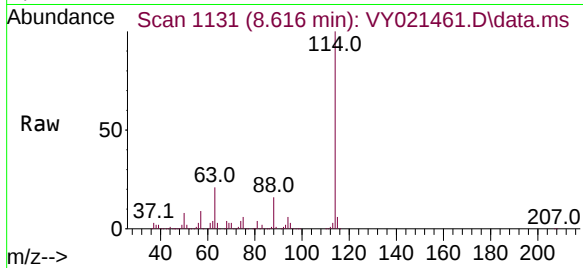




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

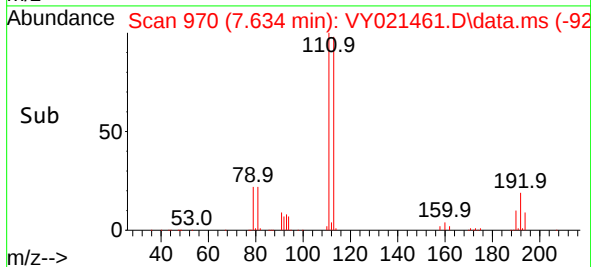
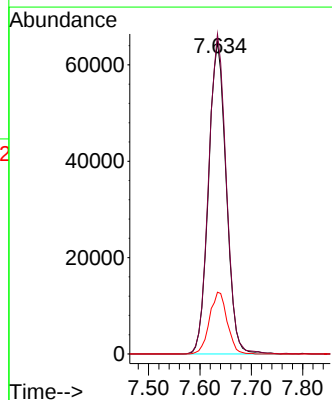
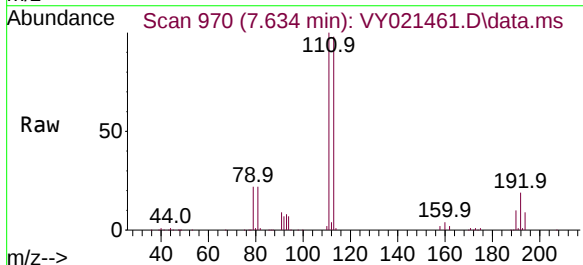
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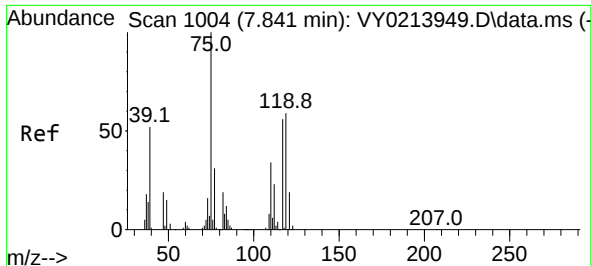
Tgt Ion:114 Resp: 450669
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 15.6 0.0 30.8



#35
Dibromofluoromethane
Concen: 52.219 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

Tgt Ion:113 Resp: 154689
Ion Ratio Lower Upper
113 100
111 102.5 82.0 123.0
192 19.7 15.9 23.9

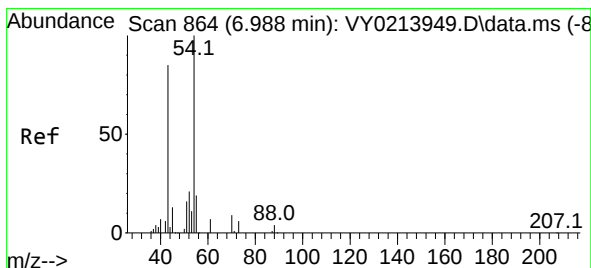
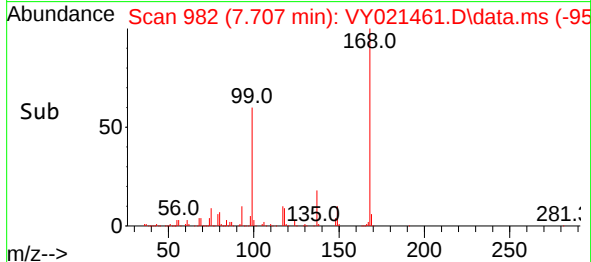
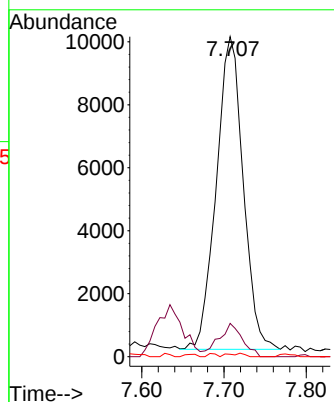
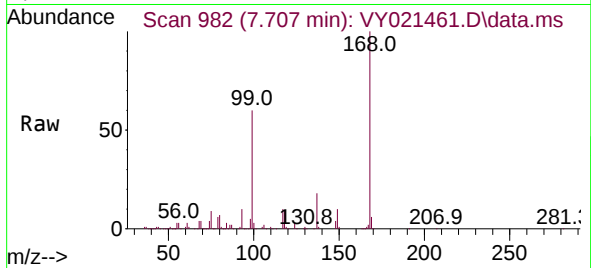




#36
 1,1-Dichloropropene
 Concen: 4.869 ug/l
 RT: 7.707 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY021461.D
 Acq: 07 Mar 2025 15:15

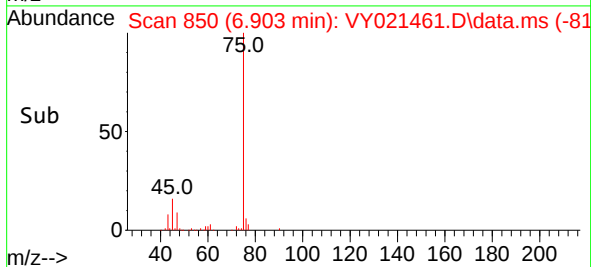
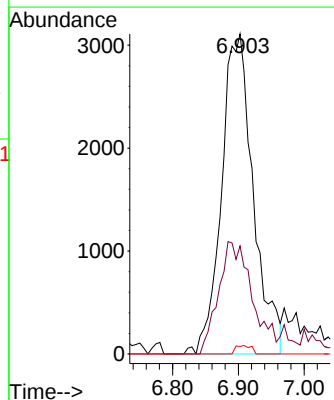
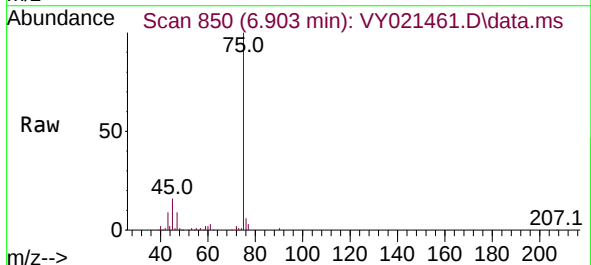
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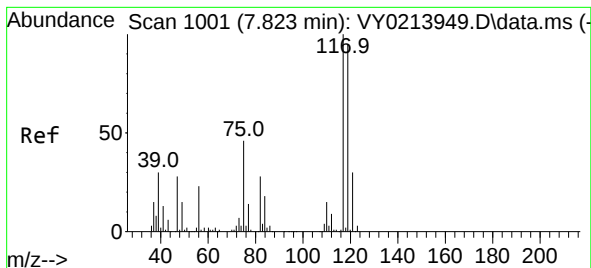
Tgt Ion: 75 Resp: 22579
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.3 51.7#
 77 0.3 25.4 38.2#



#37
 Ethyl Acetate
 Concen: 5.085 ug/l
 RT: 6.903 min Scan# 850
 Delta R.T. -0.085 min
 Lab File: VY021461.D
 Acq: 07 Mar 2025 15:15

Tgt Ion: 43 Resp: 10422
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.4 17.0#
 70 1.3 8.2 12.2#





#38

Carbon Tetrachloride

Concen: 5.226 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.109 min

Lab File: VY021461.D

Acq: 07 Mar 2025 15:15

Instrument :

MSVOA_Y

ClientSampleId :

ENV-104-SB02

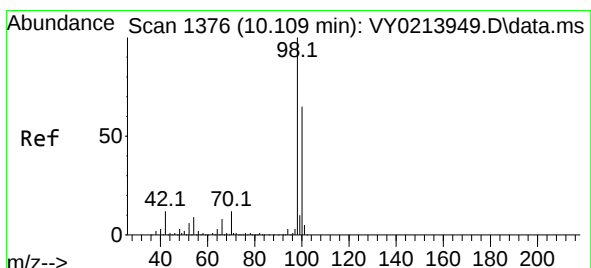
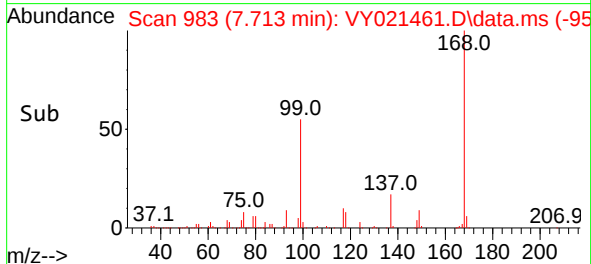
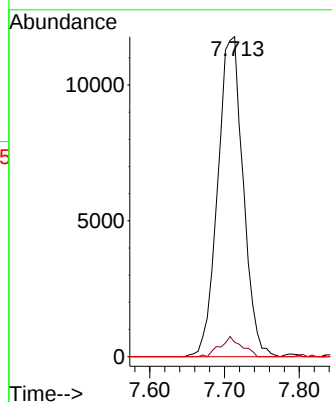
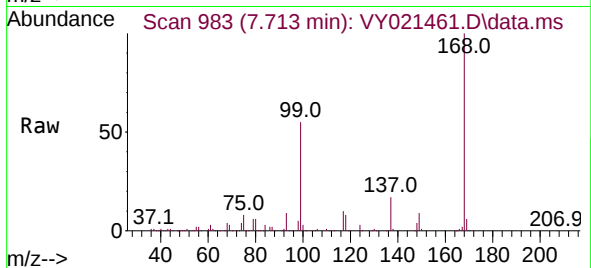
Tgt Ion:117 Resp: 27870

Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.8#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 44.257 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021461.D

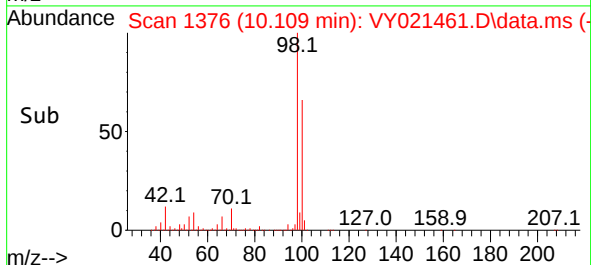
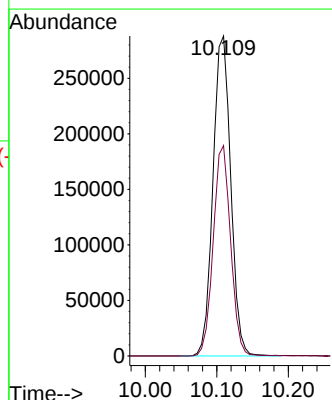
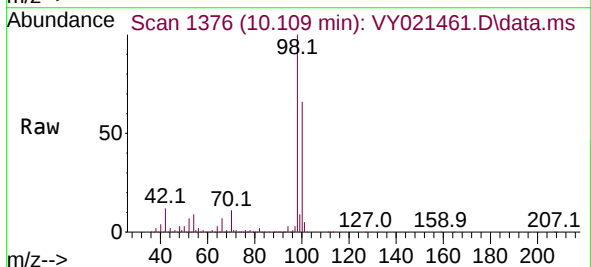
Acq: 07 Mar 2025 15:15

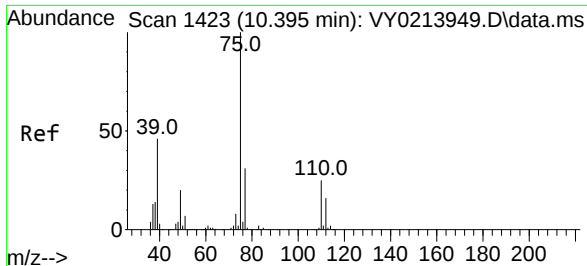
Tgt Ion: 98 Resp: 496396

Ion Ratio Lower Upper

98 100

100 64.4 52.1 78.1

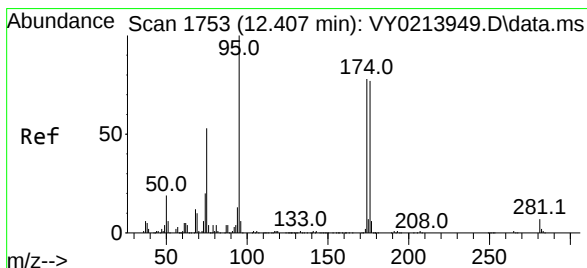
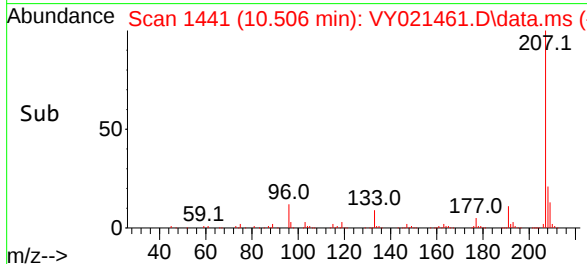
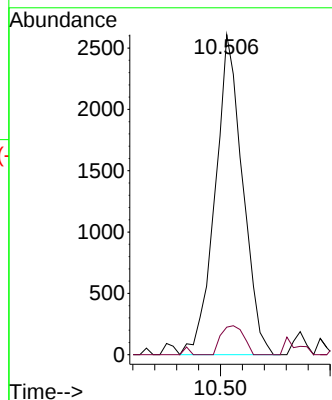
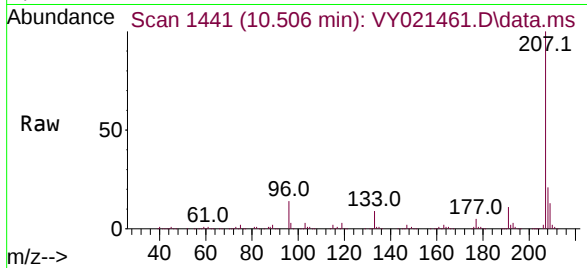




#53
t-1,3-Dichloropropene
Concen: 1.073 ug/l
RT: 10.506 min Scan# 1423
Delta R.T. 0.110 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

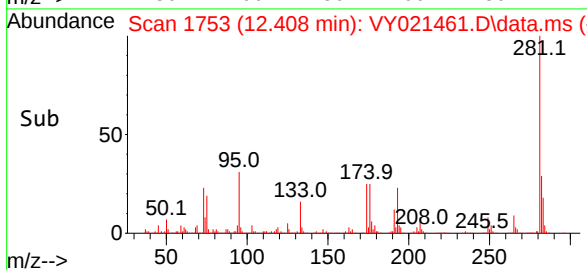
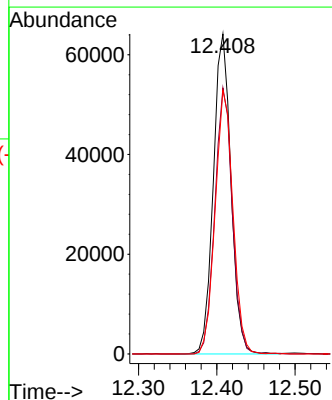
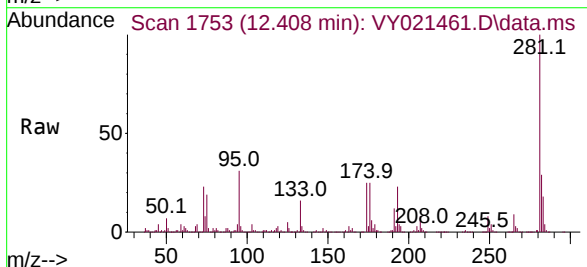
Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

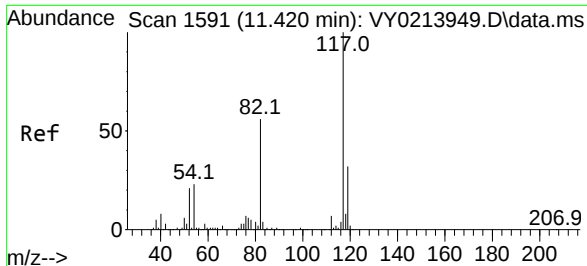
Tgt Ion: 75 Resp: 4543
Ion Ratio Lower Upper
75 100
77 8.6 25.0 37.6#



#62
4-Bromofluorobenzene
Concen: 26.277 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

Tgt Ion: 95 Resp: 100255
Ion Ratio Lower Upper
95 100
174 82.5 0.0 165.0
176 83.4 0.0 160.0

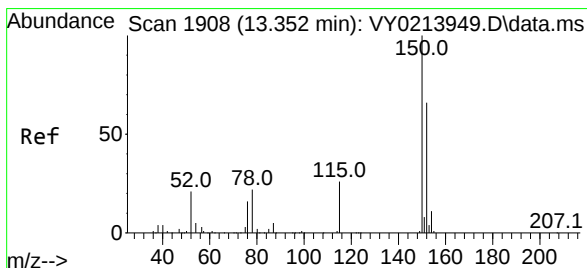
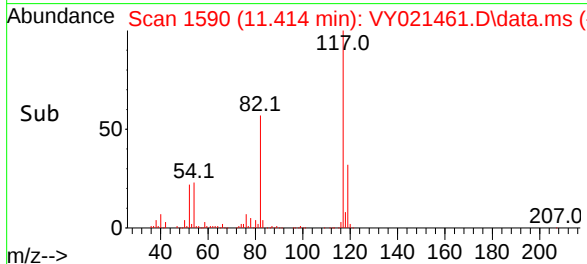
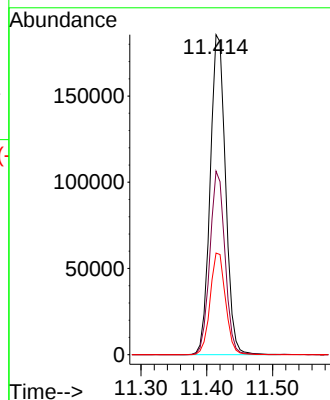
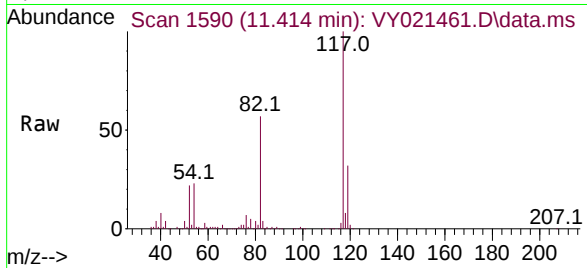




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

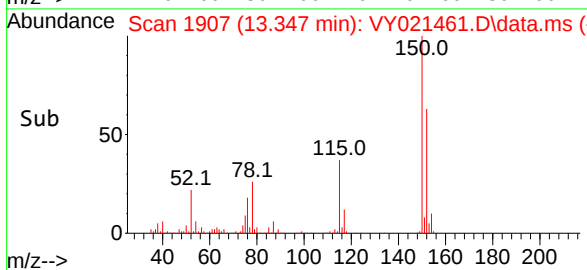
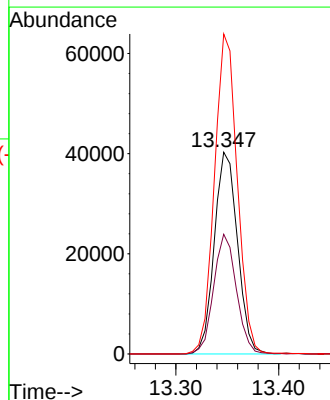
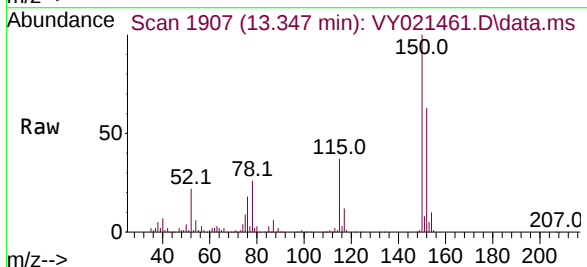
Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

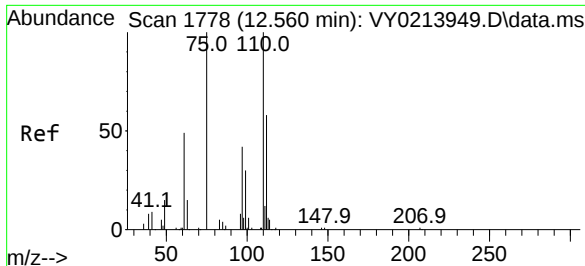
Tgt Ion:117 Resp: 301719
Ion Ratio Lower Upper
117 100
82 57.4 44.6 67.0
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

Tgt Ion:152 Resp: 63186
Ion Ratio Lower Upper
152 100
115 58.4 29.0 87.0
150 156.6 0.0 347.2

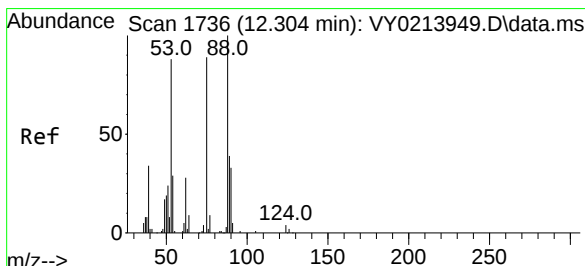
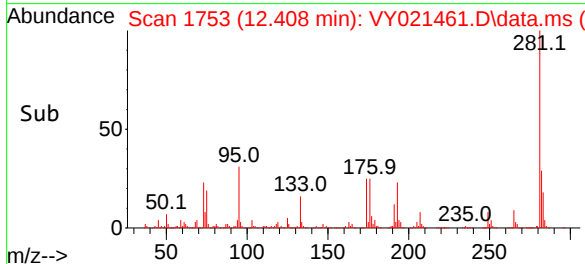
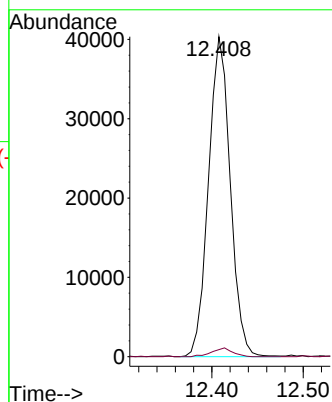
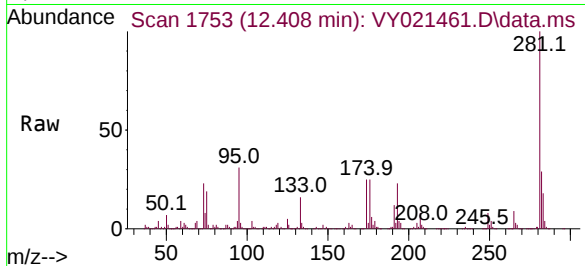




#76
1,2,3-Trichloropropane
Concen: 104.717 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

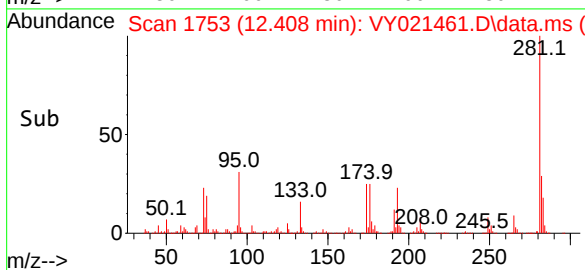
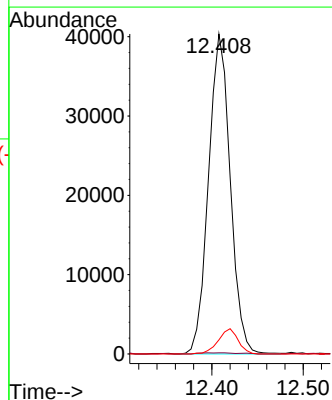
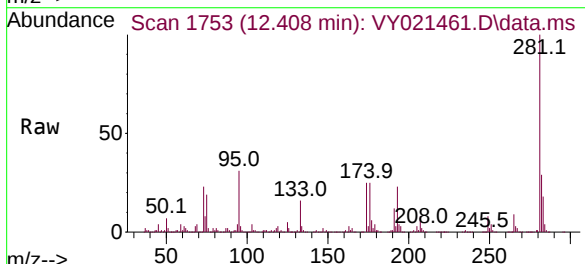
Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

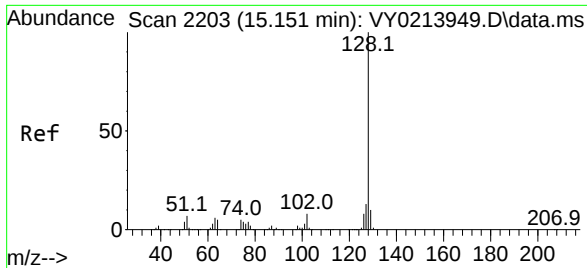
Tgt Ion: 75 Resp: 66675
Ion Ratio Lower Upper
75 100
77 2.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 238.055 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

Tgt Ion: 75 Resp: 66675
Ion Ratio Lower Upper
75 100
53 0.5 81.0 121.4#
89 7.2 36.9 55.3#





#95

Naphthalene

Concen: 1.574 ug/l

RT: 15.157 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY021461.D

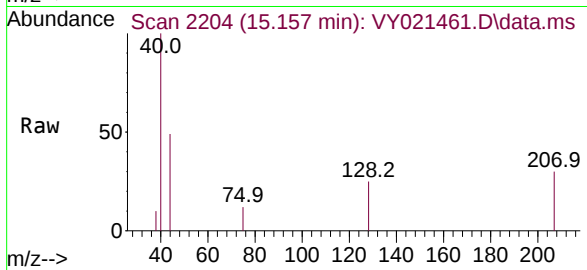
Acq: 07 Mar 2025 15:15

Instrument :

MSVOA_Y

ClientSampleId :

ENV-104-SB02



Tgt Ion:	128	Resp:	215
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	13.0#

