

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022035.D
 Acq On : 28 Apr 2025 16:39
 Operator : SY/MD
 Sample : Q1896-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 295-BERGEN-RO

Quant Time: Apr 29 03:55:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

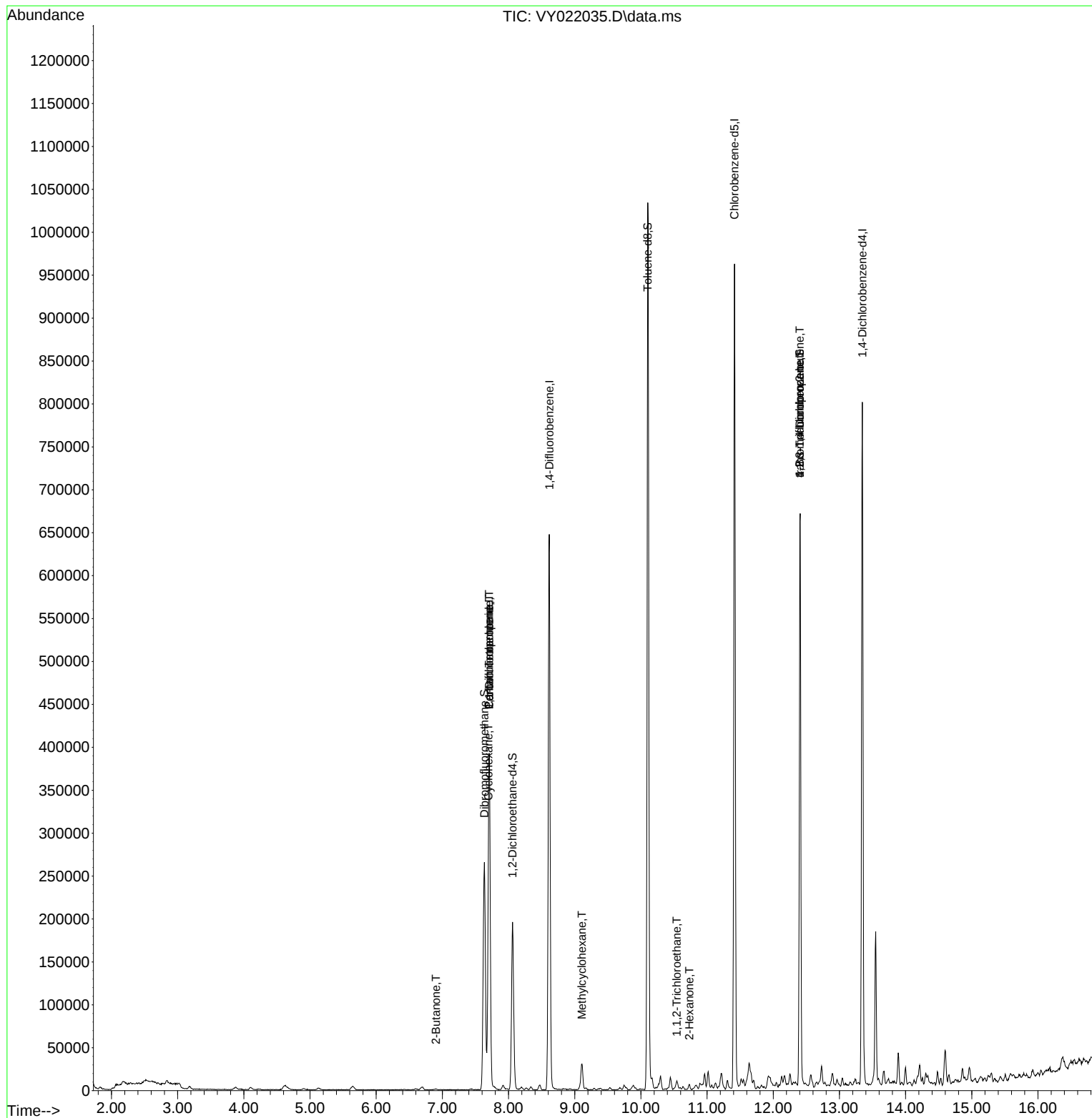
Internal Standards						
1) Pentafluorobenzene	7.707	168	301162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	572741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	530446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	215285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147323	52.960	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.920%			
35) Dibromofluoromethane	7.634	113	189461	50.071	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.140%			
50) Toluene-d8	10.103	98	690012	48.371	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.740%			
62) 4-Bromofluorobenzene	12.401	95	211261	43.993	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.980%			
Target Compounds						Qvalue
16) Acetone	3.879	43	4980	Below Cal		96
25) 2-Butanone	6.902	43	1418	2.236	ug/l	92
31) Cyclohexane	7.695	56	8911	1.938	ug/l #	64
36) 1,1-Dichloropropene	7.707	75	22513	4.429	ug/l #	48
38) Carbon Tetrachloride	7.707	117	30118	4.959	ug/l #	16
39) Methylcyclohexane	9.109	83	11847	1.852	ug/l	92
55) 1,1,2-Trichloroethane	10.542	97	3490	1.188	ug/l #	22
59) 2-Hexanone	10.731	43	2098	1.731	ug/l #	22
76) 1,2,3-Trichloropropane	12.401	75	102405	55.533	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	102405	133.733	ug/l #	16

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

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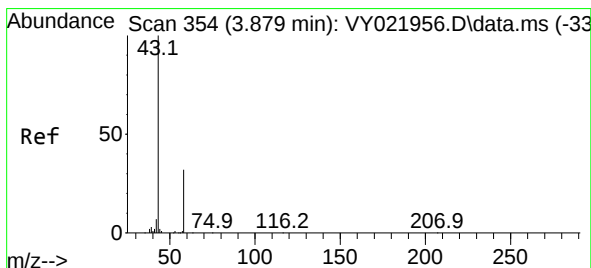
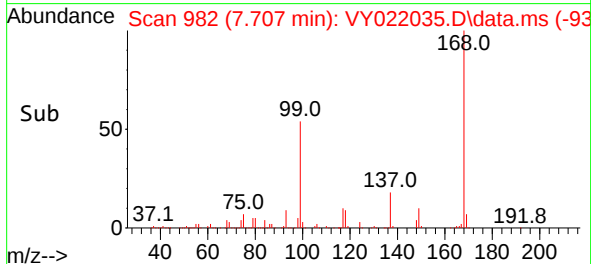
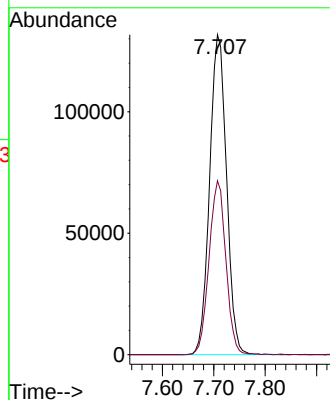
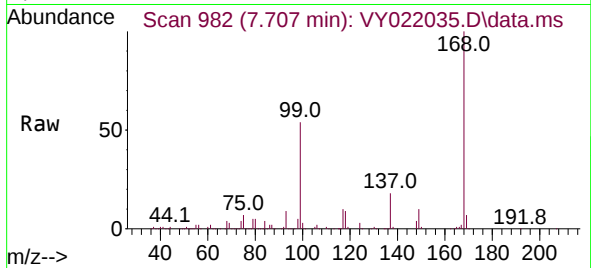




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022035.D
Acq: 28 Apr 2025 16:39

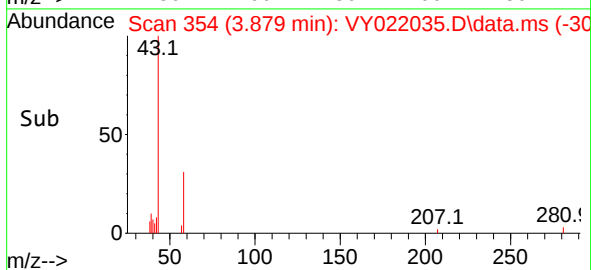
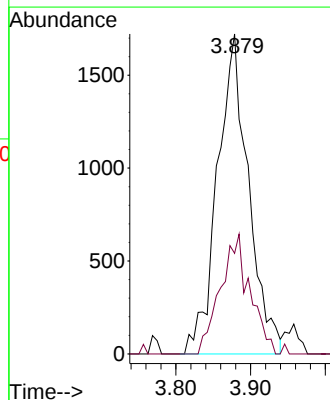
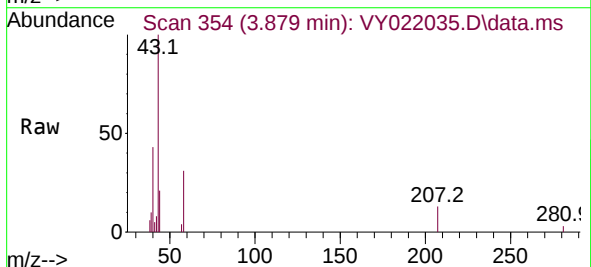
Instrument :
MSVOA_Y
ClientSampleId :
295-BERGEN-RO

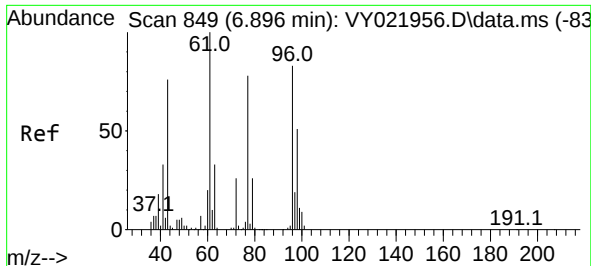
Tgt Ion:168 Resp: 301162
Ion Ratio Lower Upper
168 100
99 54.3 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022035.D
Acq: 28 Apr 2025 16:39

Tgt Ion: 43 Resp: 4980
Ion Ratio Lower Upper
43 100
58 31.4 27.0 40.4





#25

2-Butanone

Concen: 2.236 ug/l

RT: 6.902 min Scan# 81

Delta R.T. 0.006 min

Lab File: VY022035.D

Acq: 28 Apr 2025 16:39

Instrument :

MSVOA_Y

ClientSampleId :

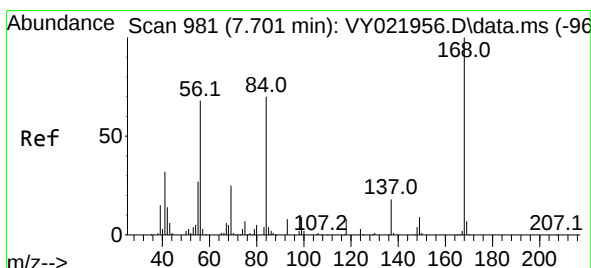
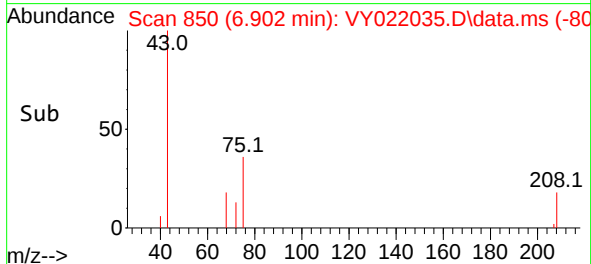
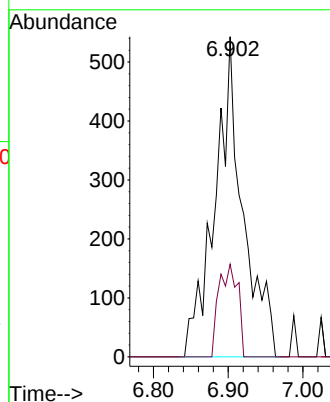
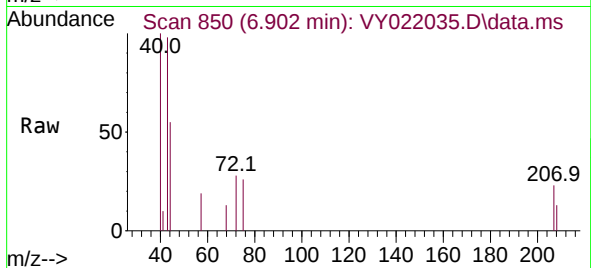
295-BERGEN-RO

Tgt Ion: 43 Resp: 1418

Ion Ratio Lower Upper

43 100

72 28.9 27.0 40.4



#31

Cyclohexane

Concen: 1.938 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.006 min

Lab File: VY022035.D

Acq: 28 Apr 2025 16:39

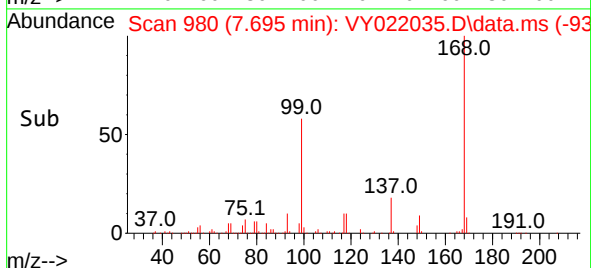
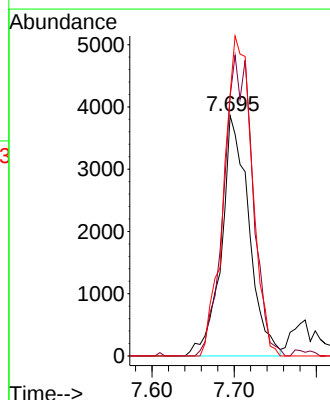
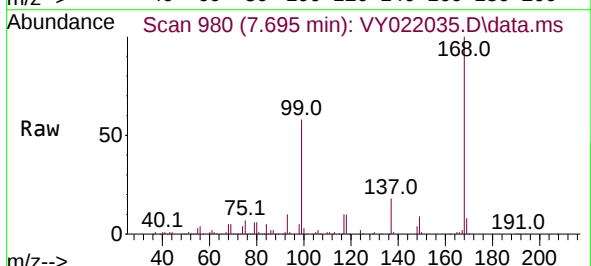
Tgt Ion: 56 Resp: 8911

Ion Ratio Lower Upper

56 100

69 107.9 29.4 44.2#

84 108.6 82.2 123.4





#33

1,2-Dichloroethane-d4

Concen: 52.960 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022035.D

Acq: 28 Apr 2025 16:39

Instrument :

MSVOA_Y

ClientSampleId :

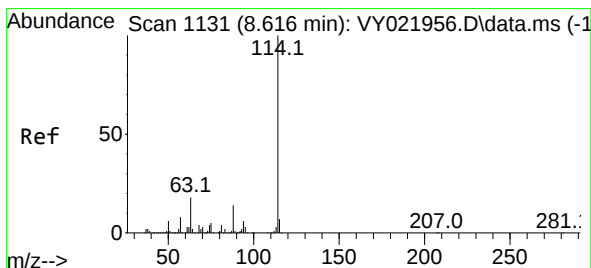
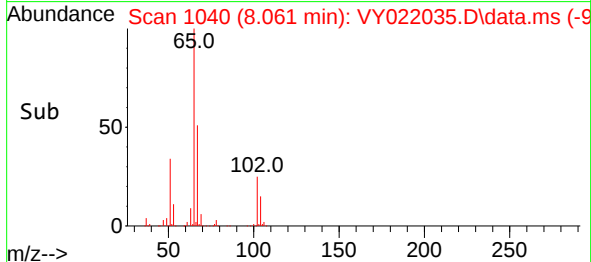
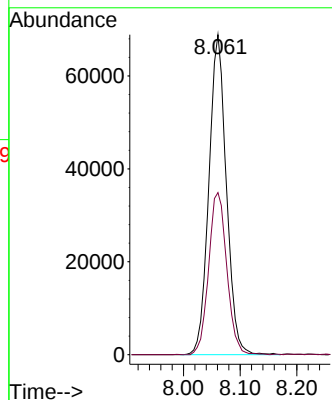
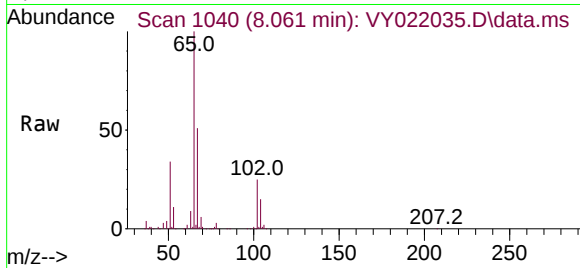
295-BERGEN-RO

Tgt Ion: 65 Resp: 147323

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022035.D

Acq: 28 Apr 2025 16:39

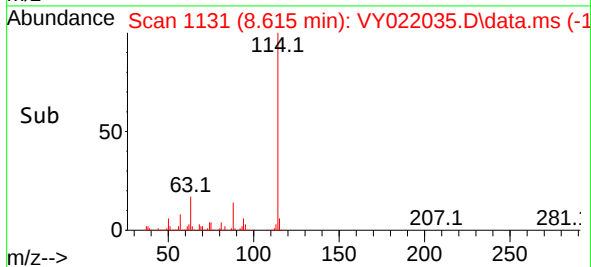
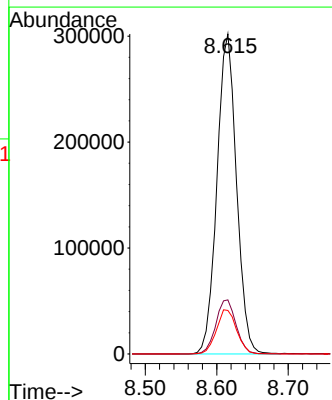
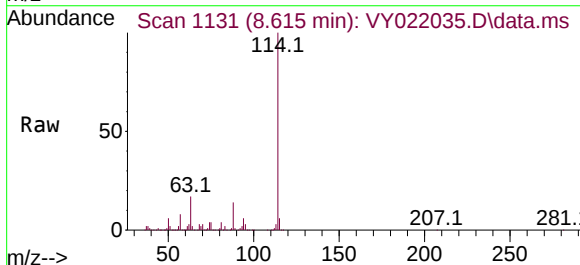
Tgt Ion: 114 Resp: 572741

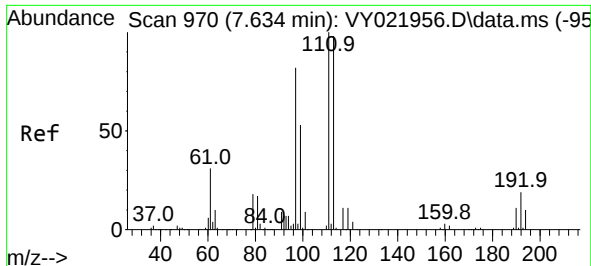
Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.4

88 13.6 0.0 28.2

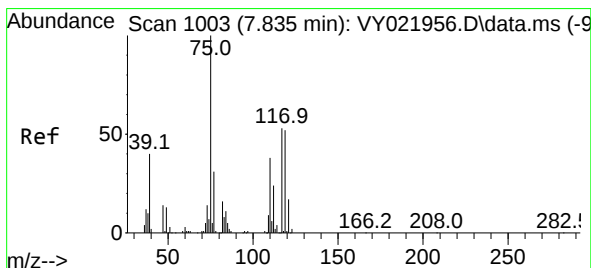
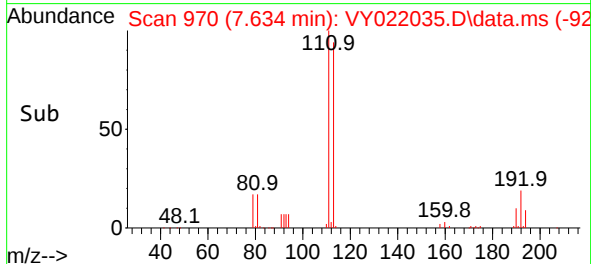
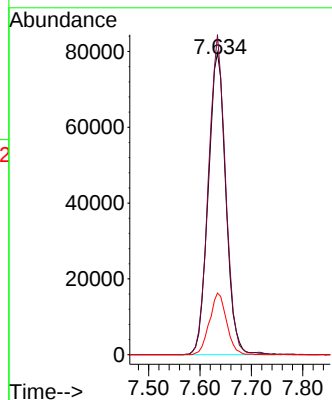
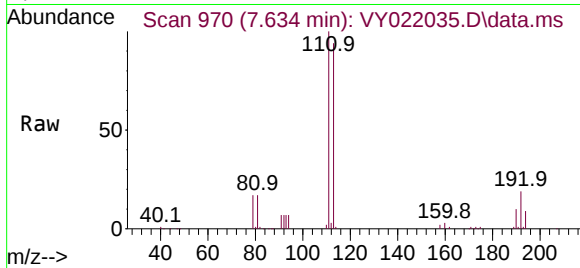




#35
Dibromofluoromethane
Concen: 50.071 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022035.D
Acq: 28 Apr 2025 16:39

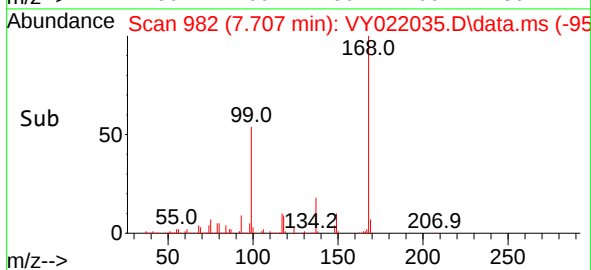
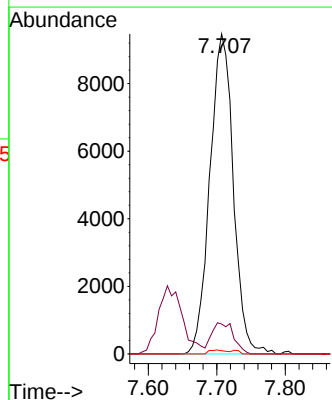
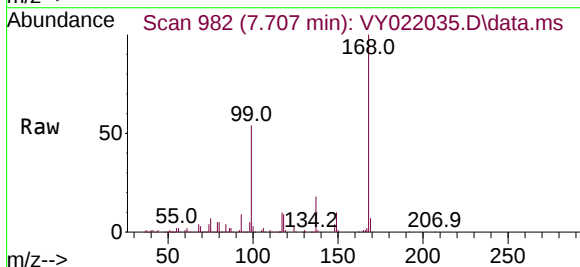
Instrument :
MSVOA_Y
ClientSampleId :
295-BERGEN-RO

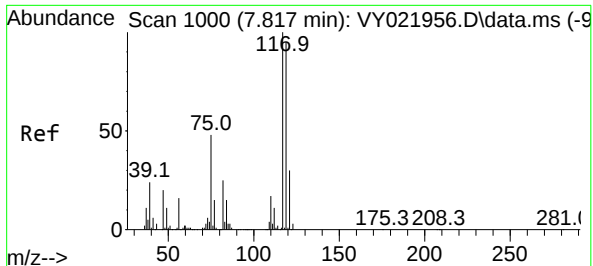
Tgt Ion:113 Resp: 189461
Ion Ratio Lower Upper
113 100
111 102.8 81.8 122.8
192 19.8 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.429 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022035.D
Acq: 28 Apr 2025 16:39

Tgt Ion: 75 Resp: 22513
Ion Ratio Lower Upper
75 100
110 9.1 19.1 57.3#
77 0.9 25.5 38.3#

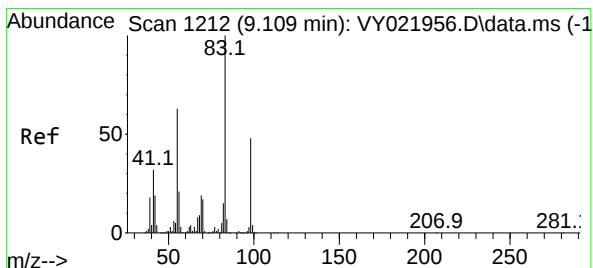
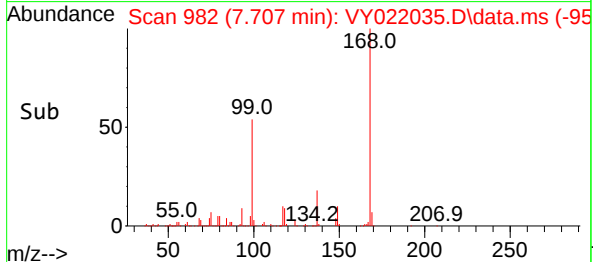
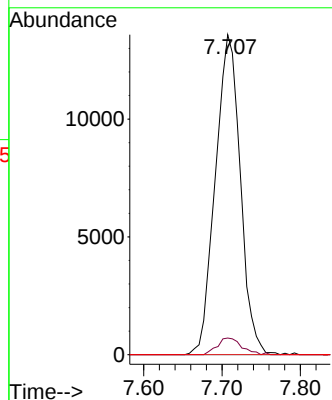
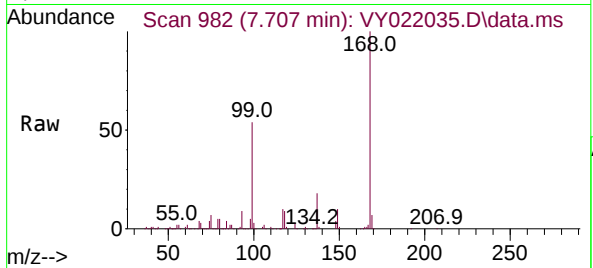




#38
Carbon Tetrachloride
Concen: 4.959 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022035.D
Acq: 28 Apr 2025 16:39

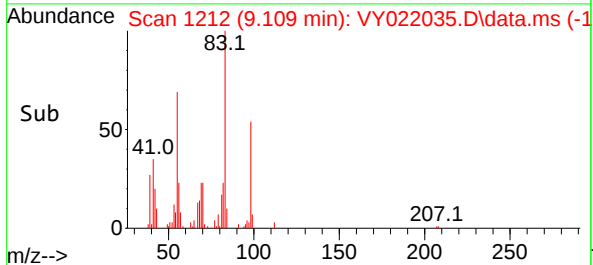
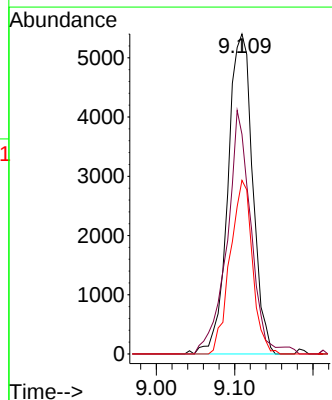
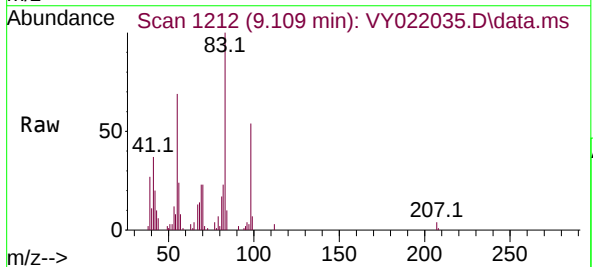
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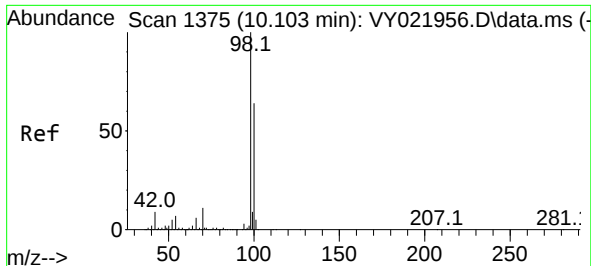
Tgt Ion:117 Resp: 30118
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.4#
121 0.0 24.0 36.0#



#39
Methylcyclohexane
Concen: 1.852 ug/l
RT: 9.109 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VY022035.D
Acq: 28 Apr 2025 16:39

Tgt Ion: 83 Resp: 11847
Ion Ratio Lower Upper
83 100
55 68.6 50.6 75.8
98 54.3 38.6 58.0

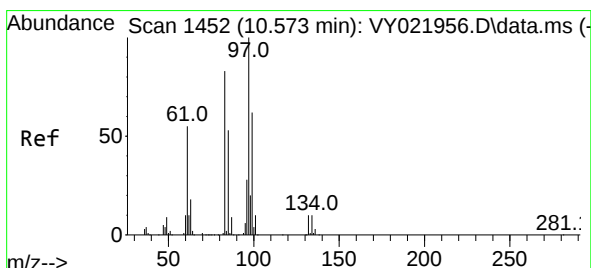
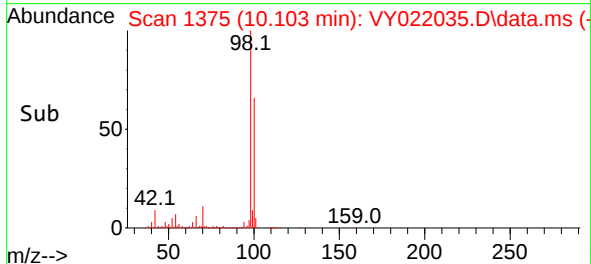
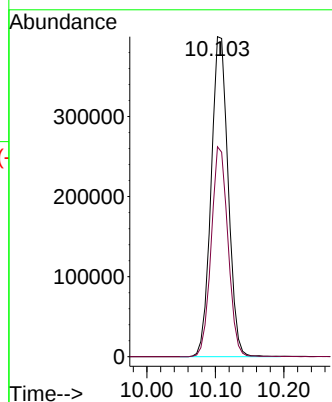
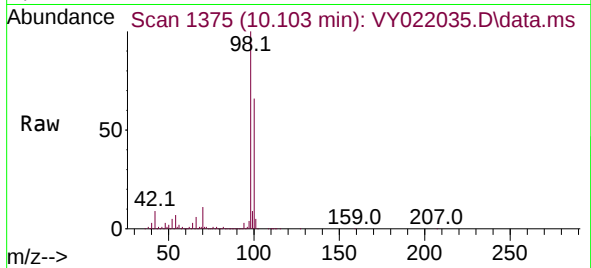




#50
Toluene-d8
Concen: 48.371 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022035.D
Acq: 28 Apr 2025 16:39

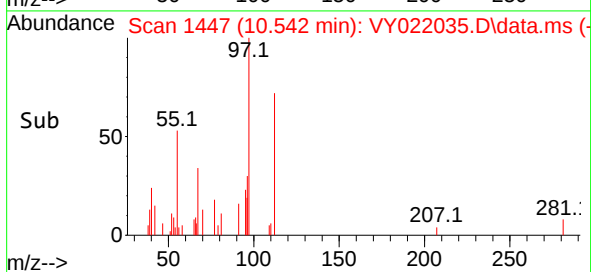
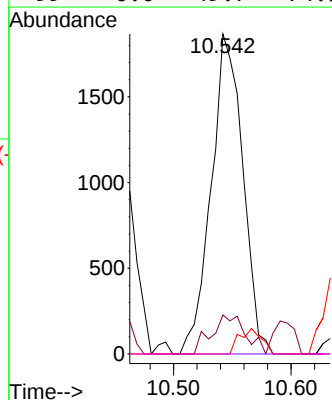
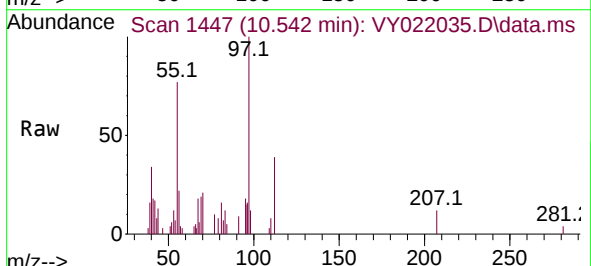
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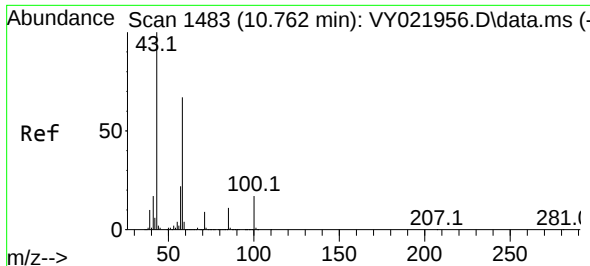
Tgt Ion: 98 Resp: 690012
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



#55
1,1,2-Trichloroethane
Concen: 1.188 ug/l
RT: 10.542 min Scan# 1447
Delta R.T. -0.031 min
Lab File: VY022035.D
Acq: 28 Apr 2025 16:39

Tgt Ion: 97 Resp: 3490
Ion Ratio Lower Upper
97 100
83 12.2 66.7 100.1#
85 0.0 42.6 64.0#
99 0.0 49.7 74.5#

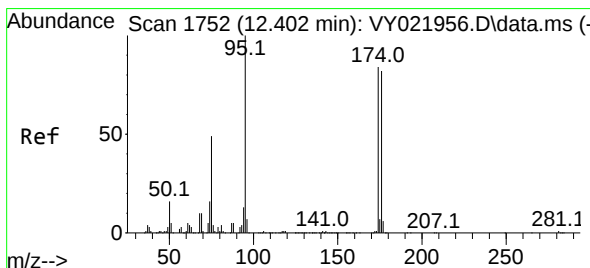
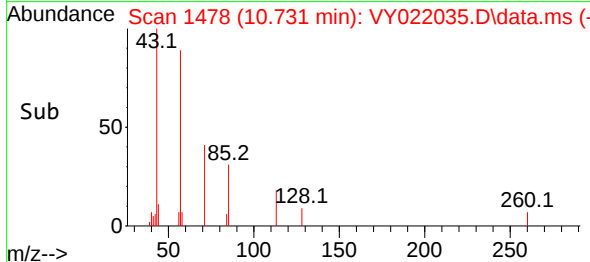
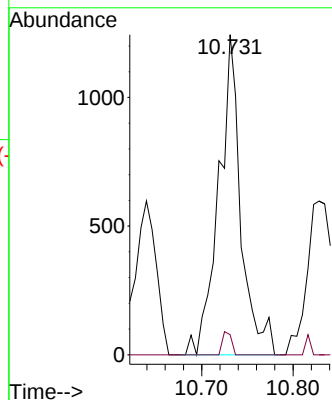
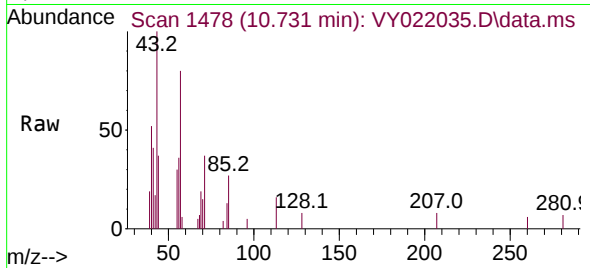




#59
2-Hexanone
Concen: 1.731 ug/l
RT: 10.731 min Scan# 1483
Delta R.T. -0.031 min
Lab File: VY022035.D
Acq: 28 Apr 2025 16:39

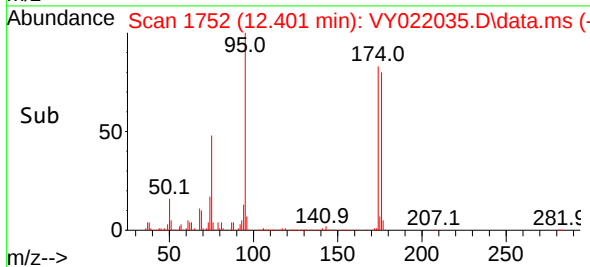
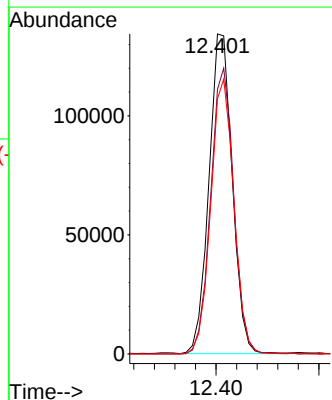
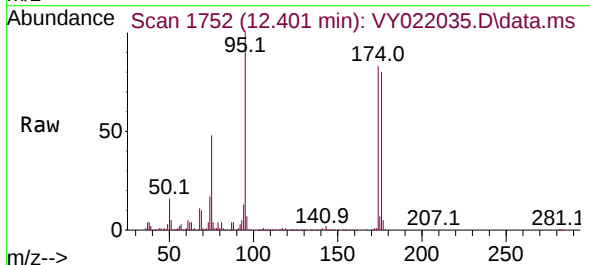
Instrument :
MSVOA_Y
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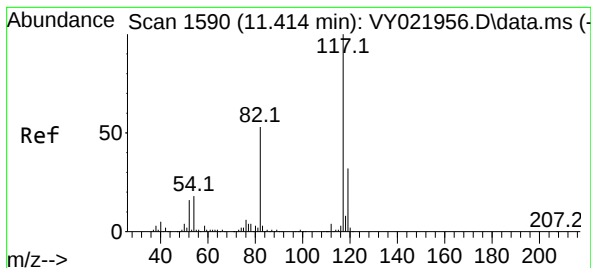
Tgt Ion: 43 Resp: 2098
Ion Ratio Lower Upper
43 100
58 2.9 32.0 96.0#



#62
4-Bromofluorobenzene
Concen: 43.993 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022035.D
Acq: 28 Apr 2025 16:39

Tgt Ion: 95 Resp: 211261
Ion Ratio Lower Upper
95 100
174 88.6 0.0 179.0
176 85.2 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022035.D

Acq: 28 Apr 2025 16:39

Instrument :

MSVOA_Y

ClientSampleId :

295-BERGEN-RO

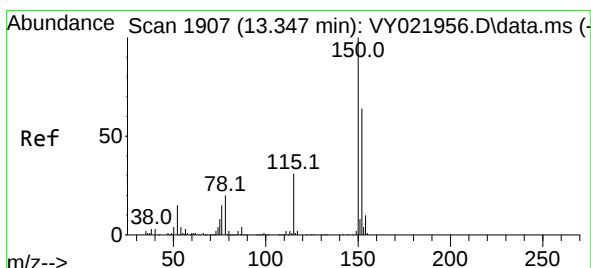
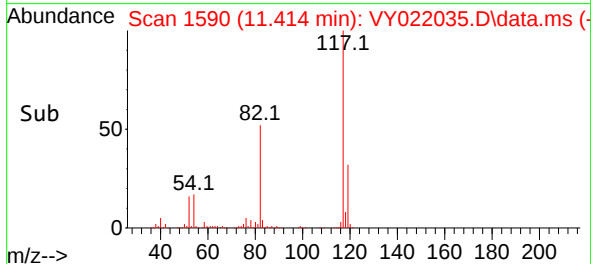
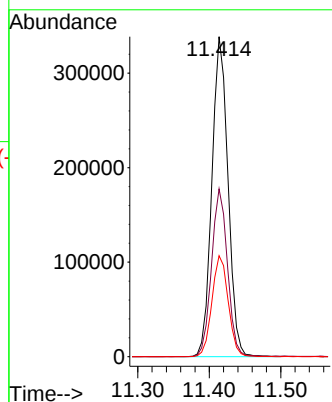
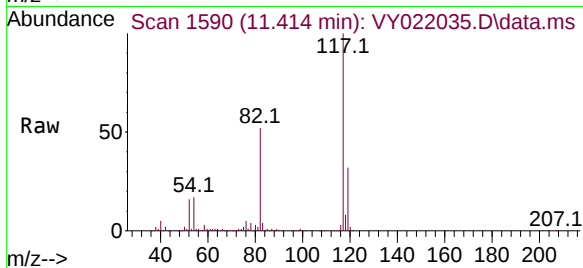
Tgt Ion:117 Resp: 530446

Ion Ratio Lower Upper

117 100

82 52.4 42.1 63.1

119 31.6 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022035.D

Acq: 28 Apr 2025 16:39

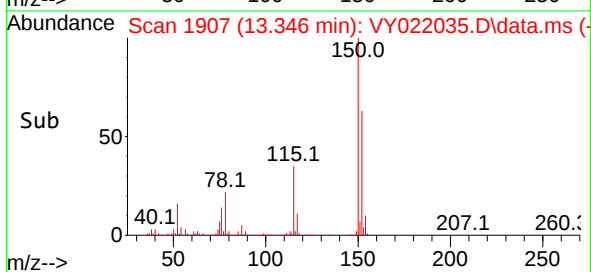
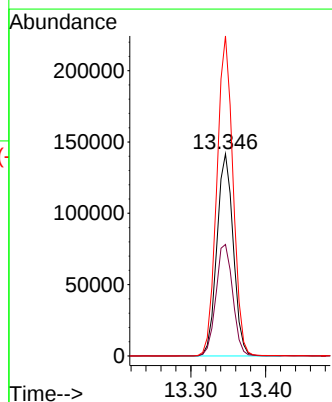
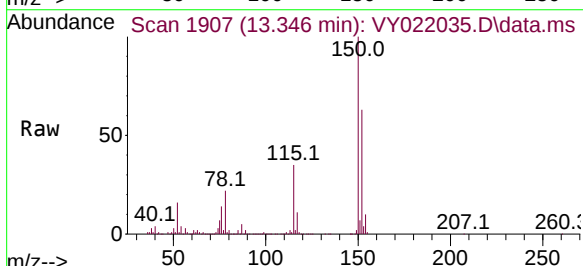
Tgt Ion:152 Resp: 215285

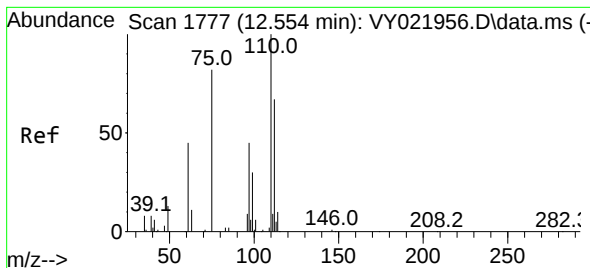
Ion Ratio Lower Upper

152 100

115 56.9 28.0 84.0

150 156.8 0.0 345.6

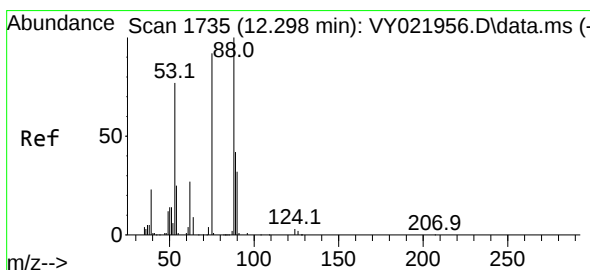
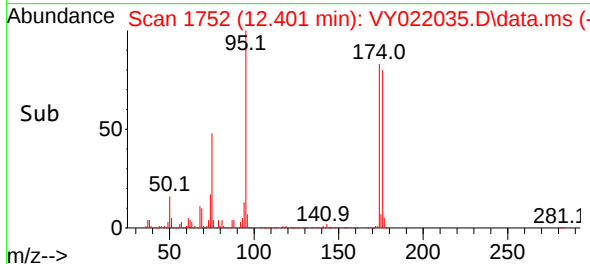
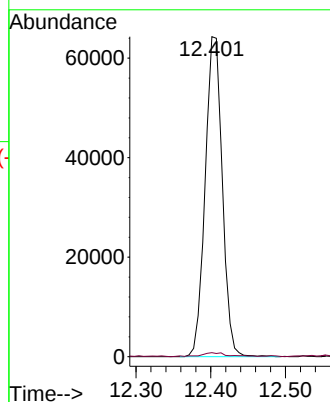
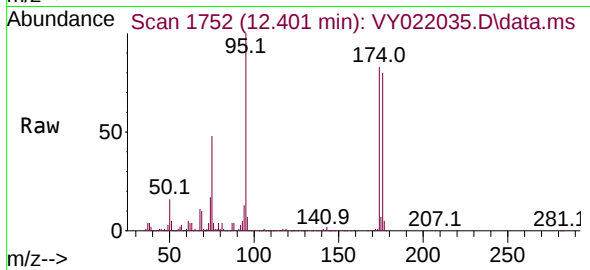




#76
1,2,3-Trichloropropane
Concen: 55.533 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022035.D
Acq: 28 Apr 2025 16:39

Instrument :
MSVOA_Y
ClientSampleId :
295-BERGEN-RO

Tgt Ion: 75 Resp: 102405
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.733 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.103 min
Lab File: VY022035.D
Acq: 28 Apr 2025 16:39

Tgt Ion: 75 Resp: 102405
Ion Ratio Lower Upper
75 100
53 0.4 66.0 99.0#
89 0.0 37.2 55.8#

