

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012325\
 Data File : VY020919.D
 Acq On : 23 Jan 2025 18:35
 Operator : SY/MD
 Sample : Q1170-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 24 00:20:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 00:38:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	30221	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.628	114	43843	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.426	117	33153	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.359	152	7859	50.000	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	15662	60.973	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.940%
35) Dibromofluoromethane	7.652	113	16315	59.398	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	118.800%
50) Toluene-d8	10.115	98	56236	58.731	ug/l	-0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	=	117.460%
62) 4-Bromofluorobenzene	12.414	95	12976	36.698	ug/l	-0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	73.400%

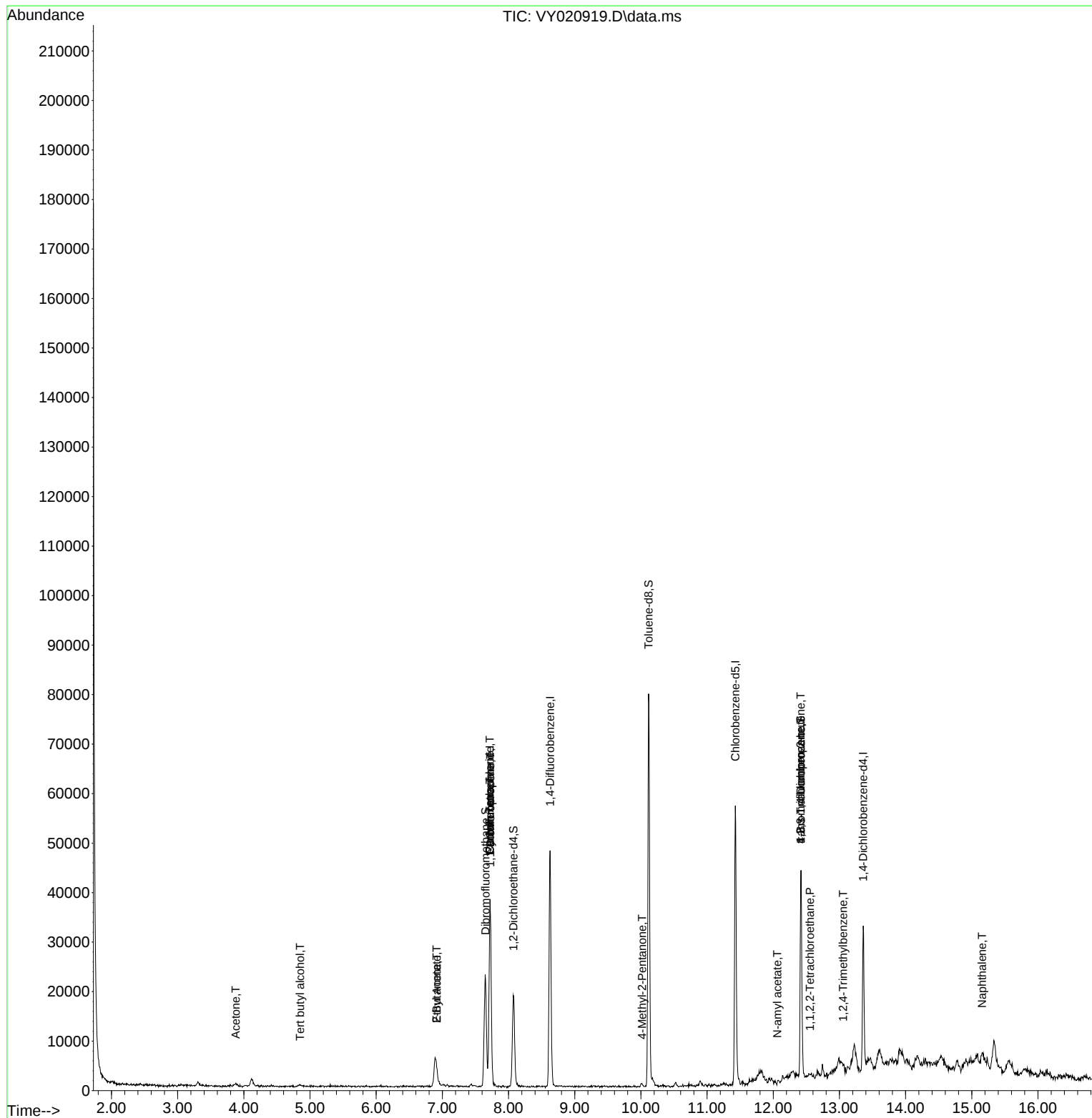
Target Compounds						Qvalue
11) Tert butyl alcohol	4.848	59	275	14.168	ug/l #	73
16) Acetone	3.879	43	1153	31.565	ug/l	100
25) 2-Butanone	6.915	43	379	6.316	ug/l #	45
31) Cyclohexane	7.719	56	541	1.447	ug/l #	61
36) 1,1-Dichloropropene	7.726	75	2107	6.014	ug/l #	47
37) Ethyl Acetate	6.915	43	379	2.718	ug/l #	66
38) Carbon Tetrachloride	7.719	117	3215	6.592	ug/l #	16
51) 4-Methyl-2-Pentanone	10.018	43	506	3.572	ug/l #	86
74) N-amyl acetate	12.060	43	163	1.598	ug/l #	38
75) 1,1,2,2-Tetrachloroethane	12.554	83	119	1.259	ug/l #	16
76) 1,2,3-Trichloropropane	12.414	75	6763	98.350	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	6763	207.374	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.054	105	675	1.368	ug/l	73
95) Naphthalene	15.157	128	1510	6.528	ug/l #	76

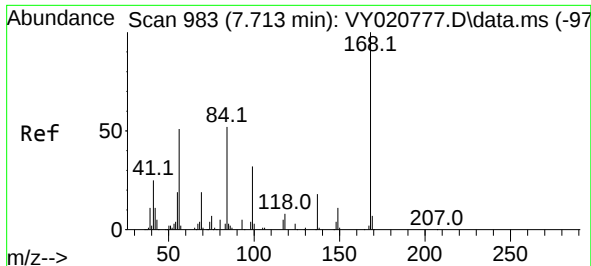
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 24 00:20:53 2025
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Quant Title : SW846 8260
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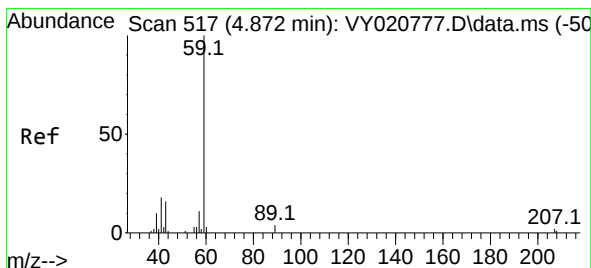
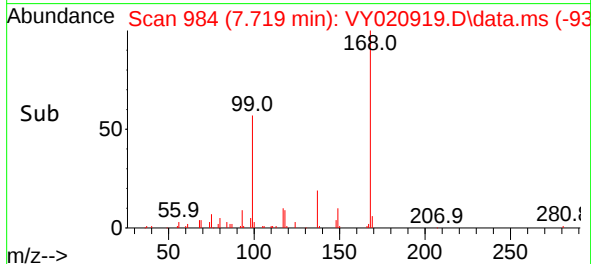
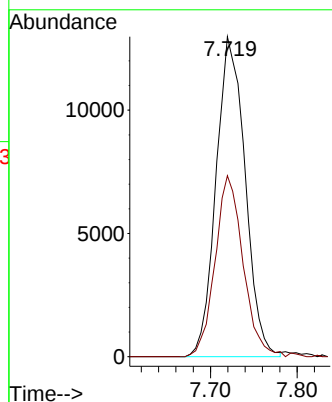
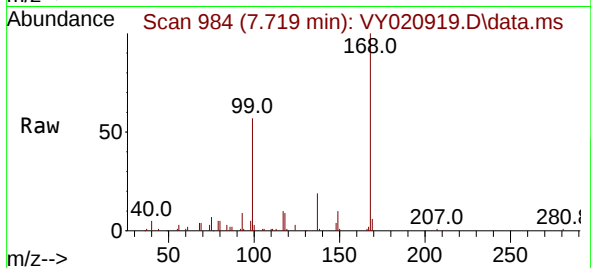




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY020919.D
Acq: 23 Jan 2025 18:35

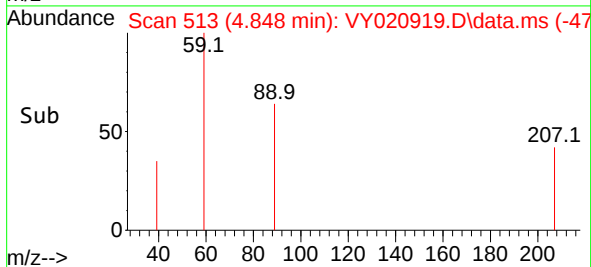
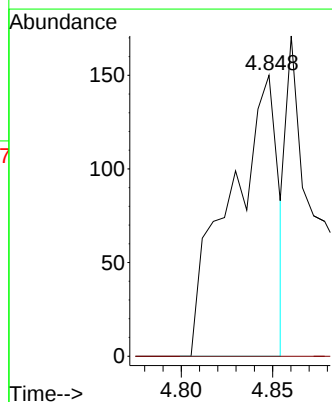
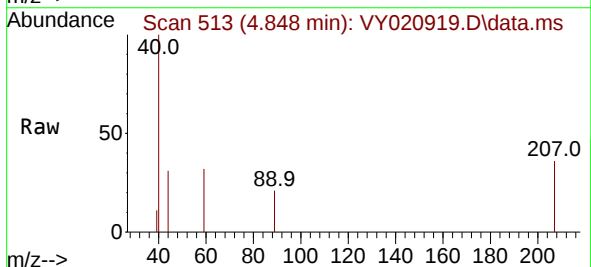
Instrument :
MSVOA_Y
ClientSampleId :

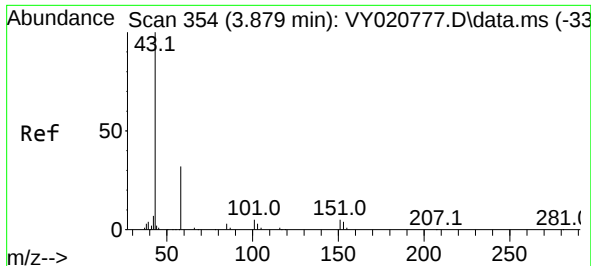
Tgt Ion:168 Resp: 30221
Ion Ratio Lower Upper
168 100
99 56.6 44.3 66.5



#11
Tert butyl alcohol
Concen: 14.168 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.079 min
Lab File: VY020919.D
Acq: 23 Jan 2025 18:35

Tgt Ion: 59 Resp: 275
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

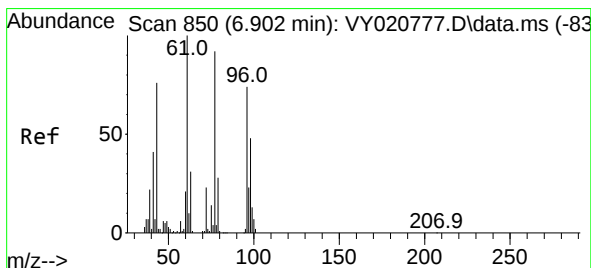
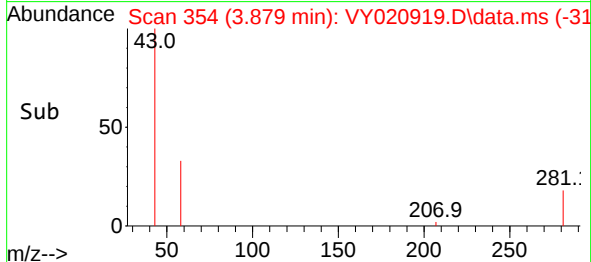
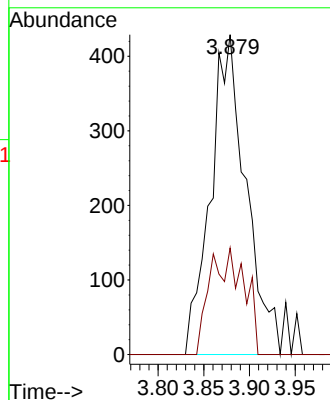
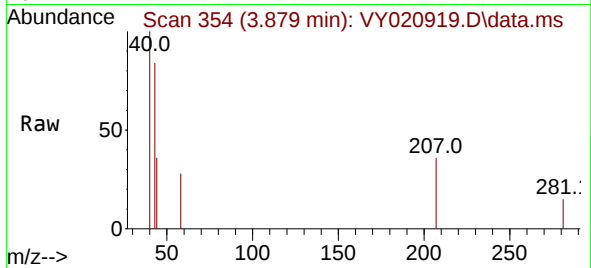




#16
Acetone
Concen: 31.565 ug/l
RT: 3.879 min Scan# 315
Delta R.T. -0.036 min
Lab File: VY020919.D
Acq: 23 Jan 2025 18:35

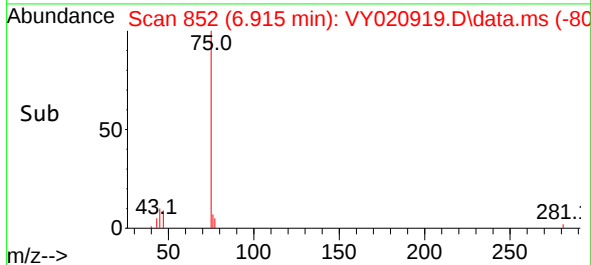
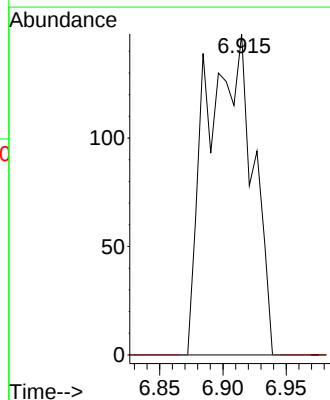
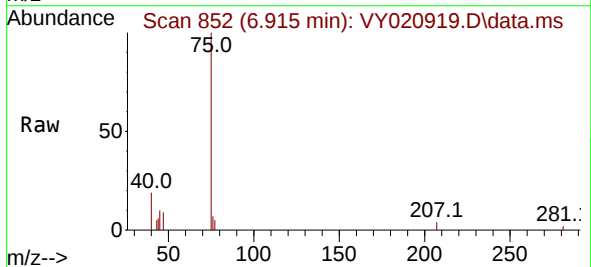
Instrument :
MSVOA_Y
ClientSampleId :

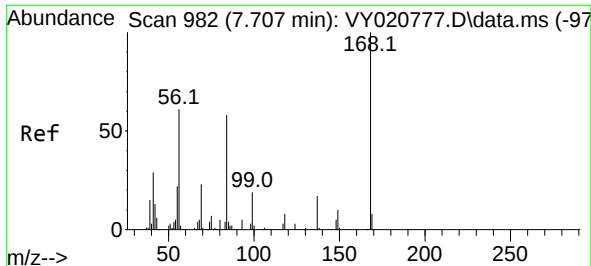
Tgt Ion: 43 Resp: 1153
Ion Ratio Lower Upper
43 100
58 33.3 26.7 40.1



#25
2-Butanone
Concen: 6.316 ug/l
RT: 6.915 min Scan# 852
Delta R.T. -0.018 min
Lab File: VY020919.D
Acq: 23 Jan 2025 18:35

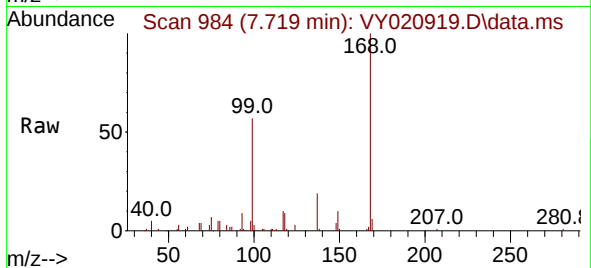
Tgt Ion: 43 Resp: 379
Ion Ratio Lower Upper
43 100
72 0.0 24.0 36.0#



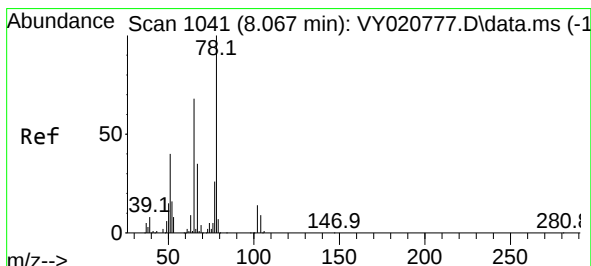
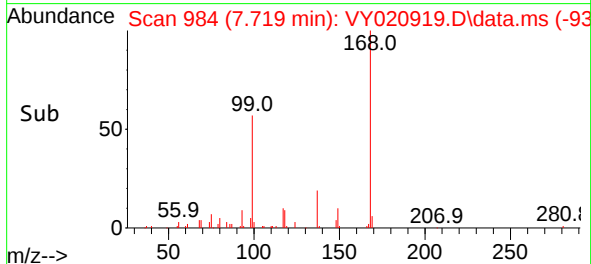
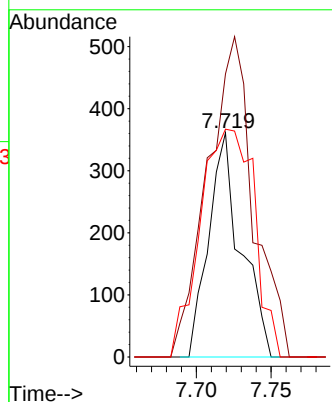


#31
Cyclohexane
Concen: 1.447 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY020919.D
Acq: 23 Jan 2025 18:35

Instrument :
MSVOA_Y
ClientSampleId :

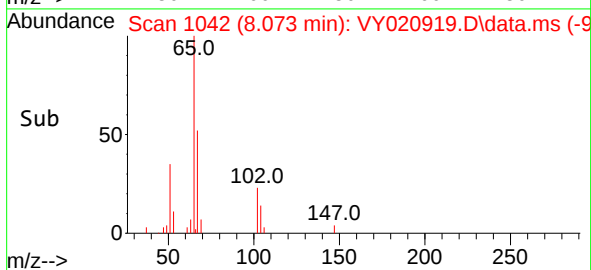
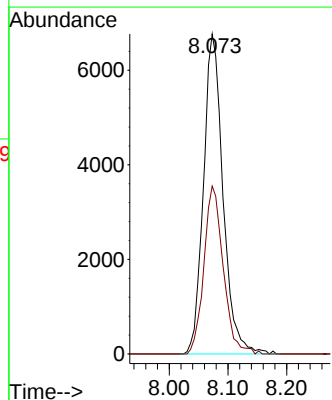
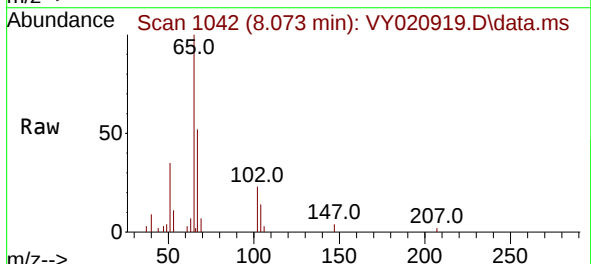


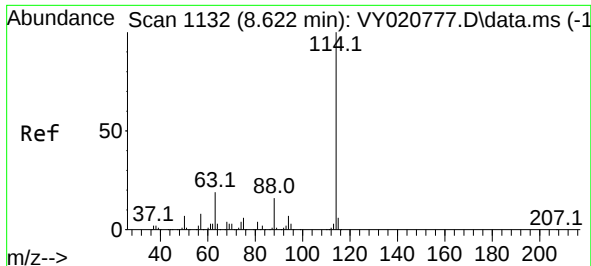
Tgt Ion: 56 Resp: 541
Ion Ratio Lower Upper
56 100
69 111.4 30.5 45.7#
84 101.7 76.6 115.0



#33
1,2-Dichloroethane-d4
Concen: 60.973 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. -0.018 min
Lab File: VY020919.D
Acq: 23 Jan 2025 18:35

Tgt Ion: 65 Resp: 15662
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1132

Delta R.T. -0.012 min

Lab File: VY020919.D

Acq: 23 Jan 2025 18:35

Instrument :

MSVOA_Y

ClientSampleId :

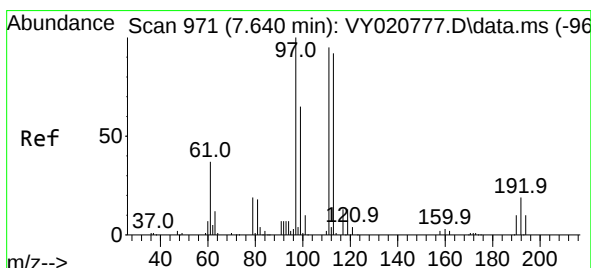
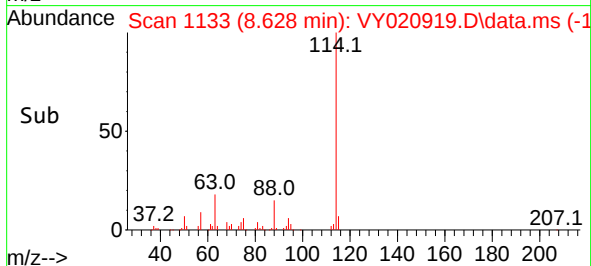
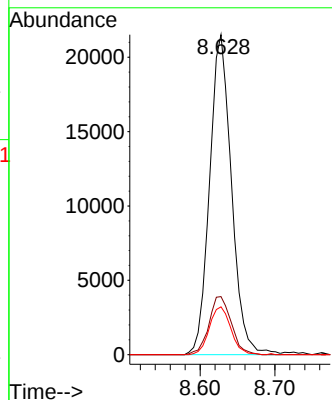
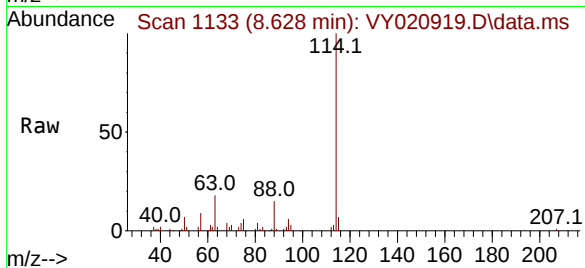
Tgt Ion:114 Resp: 43843

Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

88 15.0 0.0 31.2



#35

Dibromofluoromethane

Concen: 59.398 ug/l

RT: 7.652 min Scan# 973

Delta R.T. -0.012 min

Lab File: VY020919.D

Acq: 23 Jan 2025 18:35

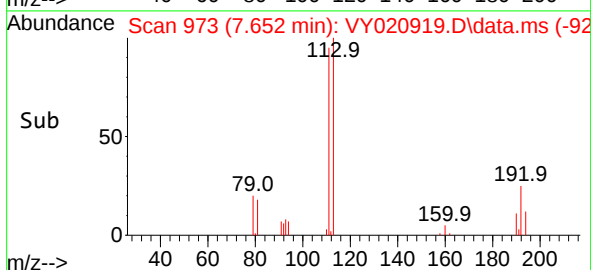
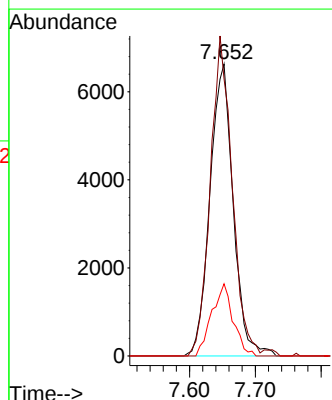
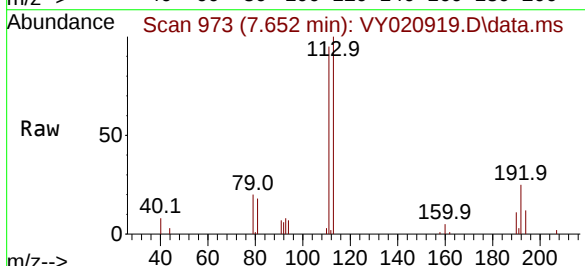
Tgt Ion:113 Resp: 16315

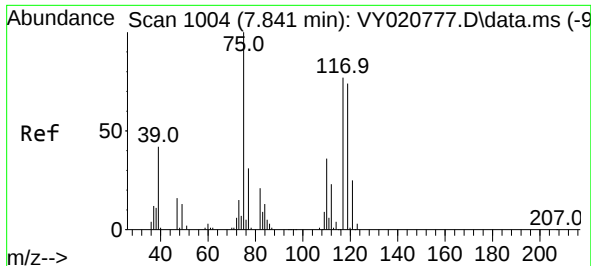
Ion Ratio Lower Upper

113 100

111 103.6 81.7 122.5

192 22.8 16.7 25.1

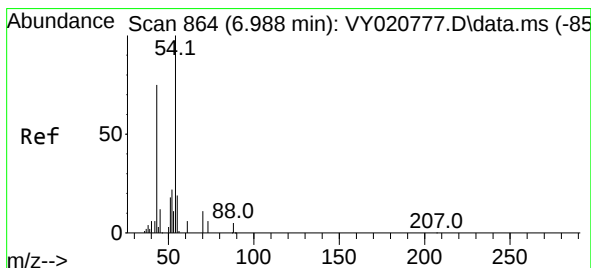
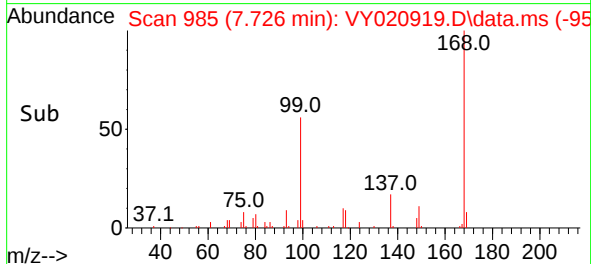
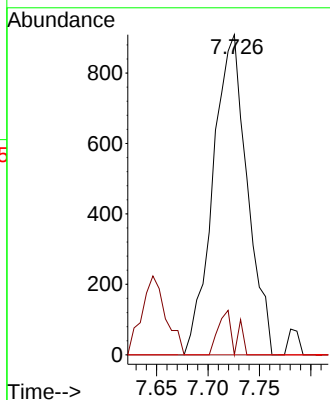
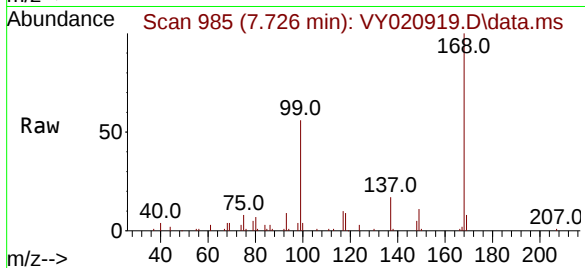




#36
1,1-Dichloropropene
Concen: 6.014 ug/l
RT: 7.726 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY020919.D
Acq: 23 Jan 2025 18:35

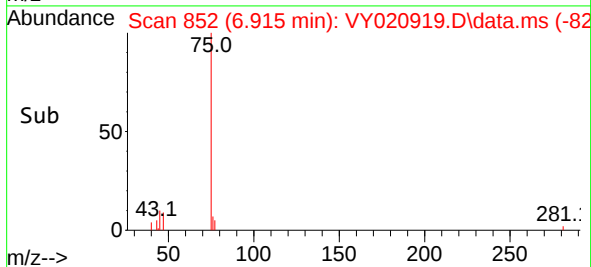
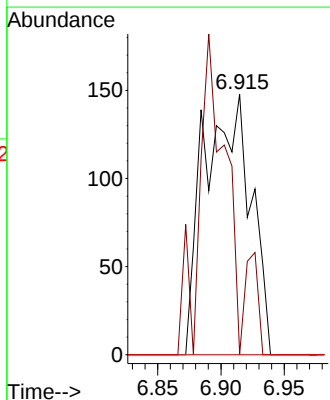
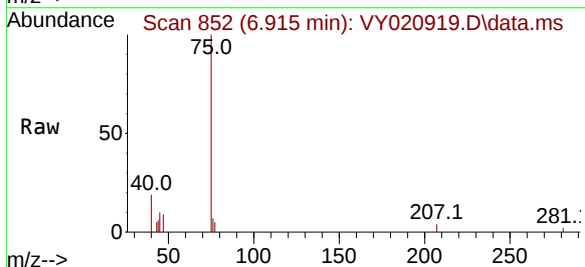
Instrument :
MSVOA_Y
ClientSampleId :

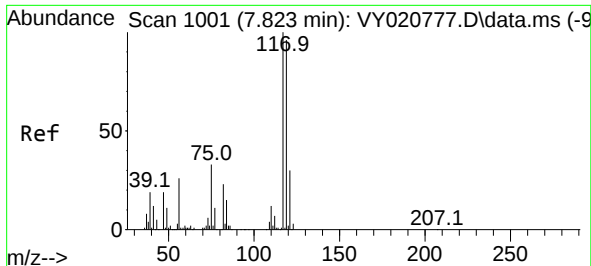
Tgt Ion: 75 Resp: 2107
Ion Ratio Lower Upper
75 100
110 6.7 18.5 55.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 2.718 ug/l
RT: 6.915 min Scan# 852
Delta R.T. -0.103 min
Lab File: VY020919.D
Acq: 23 Jan 2025 18:35

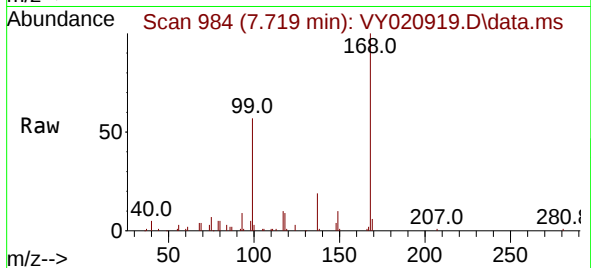
Tgt Ion: 43 Resp: 379
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.8 14.8#



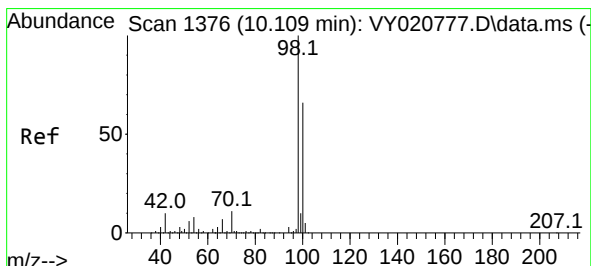
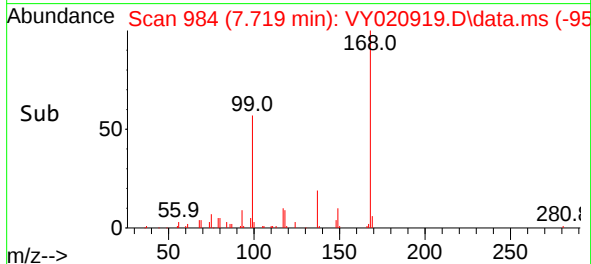
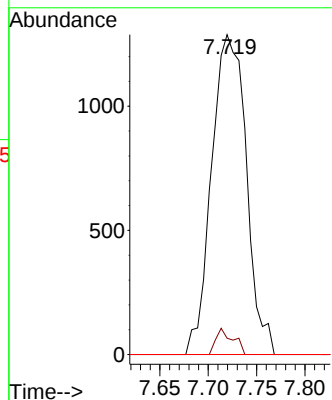


#38
Carbon Tetrachloride
Concen: 6.592 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY020919.D
Acq: 23 Jan 2025 18:35

Instrument :
MSVOA_Y
ClientSampleId :

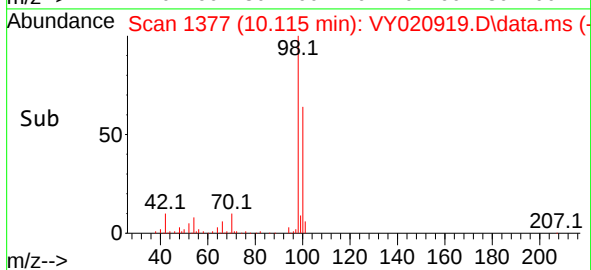
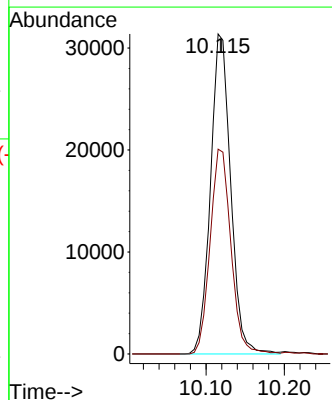
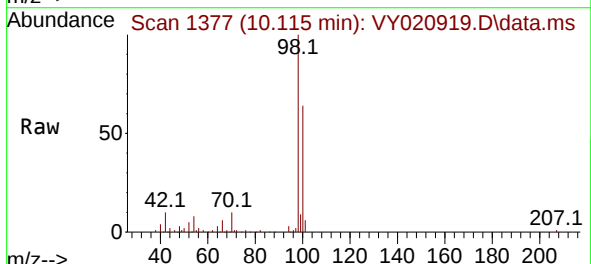


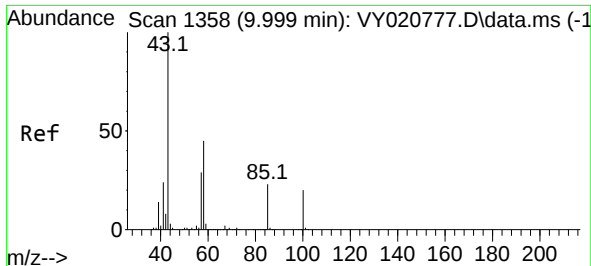
Tgt Ion:117 Resp: 3215
Ion Ratio Lower Upper
117 100
119 5.1 76.5 114.7#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 58.731 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. -0.018 min
Lab File: VY020919.D
Acq: 23 Jan 2025 18:35

Tgt Ion: 98 Resp: 56236
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7

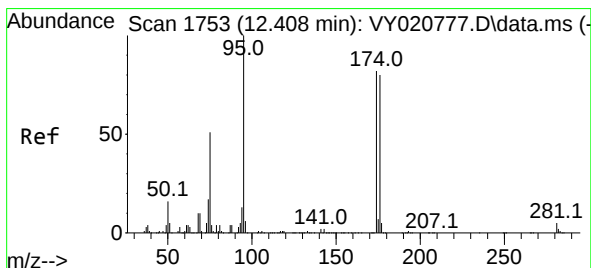
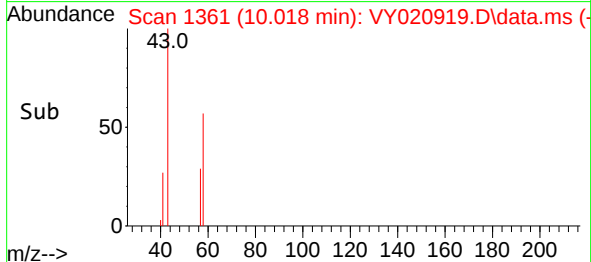
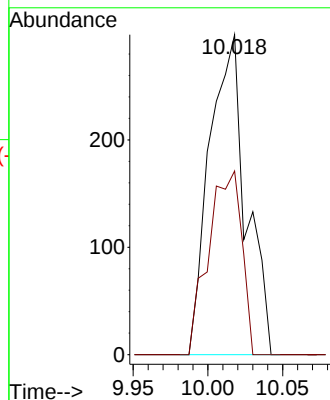
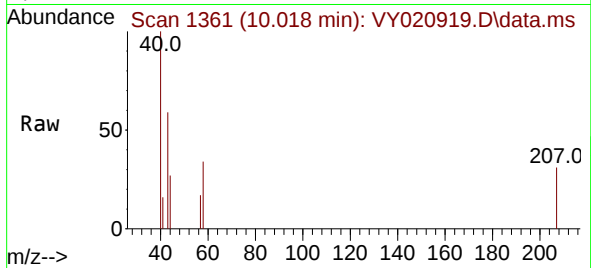




#51
4-Methyl-2-Pentanone
Concen: 3.572 ug/l
RT: 10.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020919.D
Acq: 23 Jan 2025 18:35

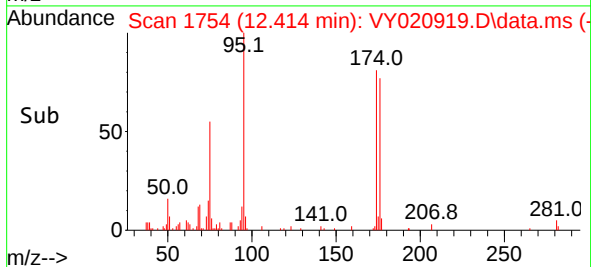
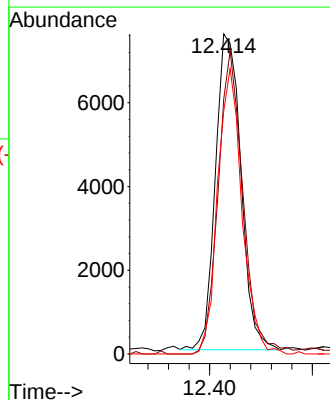
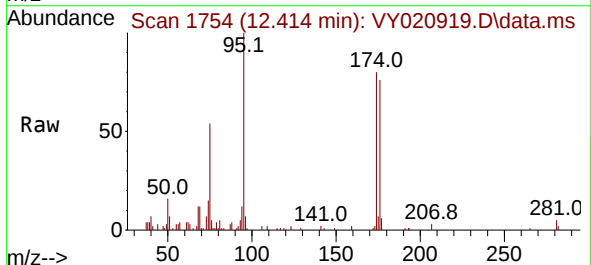
Instrument :
MSVOA_Y
ClientSampleId :

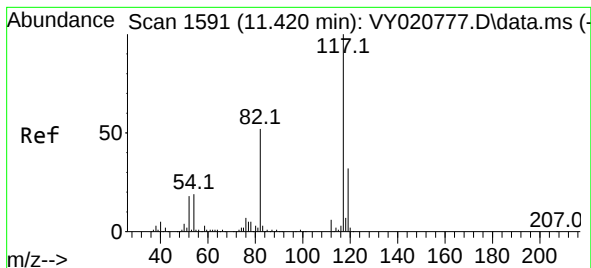
Tgt Ion: 43 Resp: 506
Ion Ratio Lower Upper
43 100
58 52.4 34.8 52.2#



#62
4-Bromofluorobenzene
Concen: 36.698 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.012 min
Lab File: VY020919.D
Acq: 23 Jan 2025 18:35

Tgt Ion: 95 Resp: 12976
Ion Ratio Lower Upper
95 100
174 93.6 0.0 178.0
176 86.5 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY020919.D

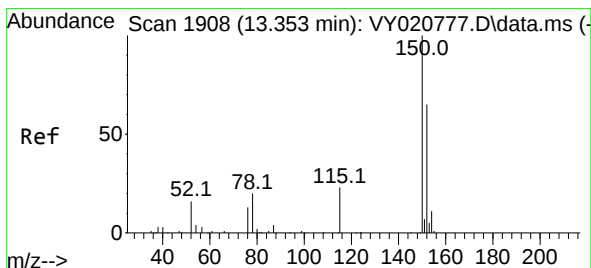
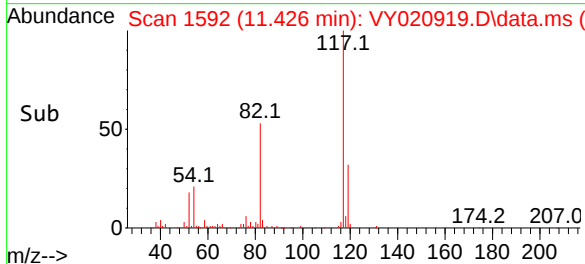
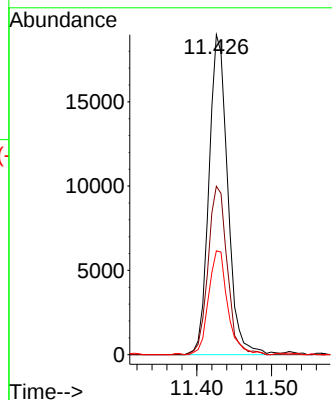
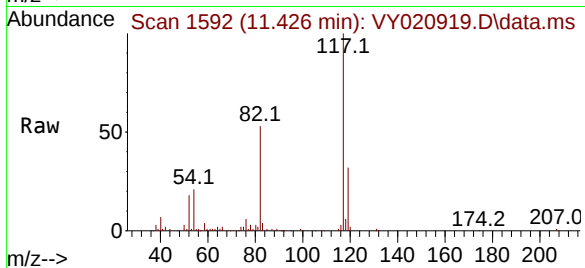
Acq: 23 Jan 2025 18:35

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	33153
Ion Ratio	Lower	Upper
117	100	
82	52.6	41.8 62.6
119	32.1	25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

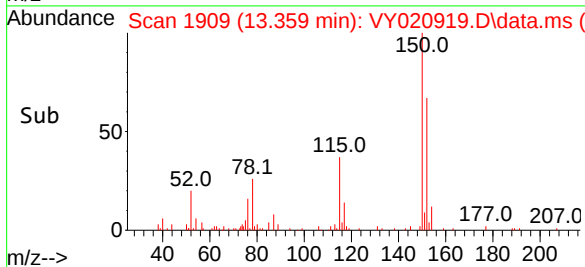
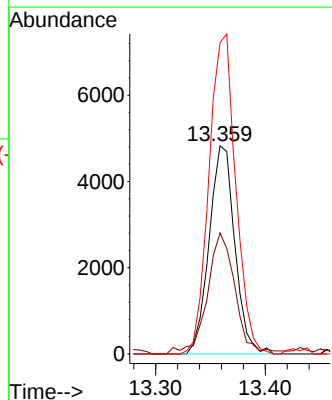
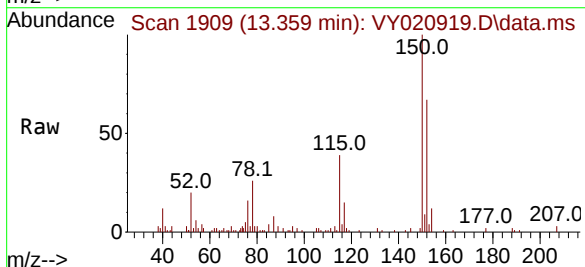
RT: 13.359 min Scan# 1909

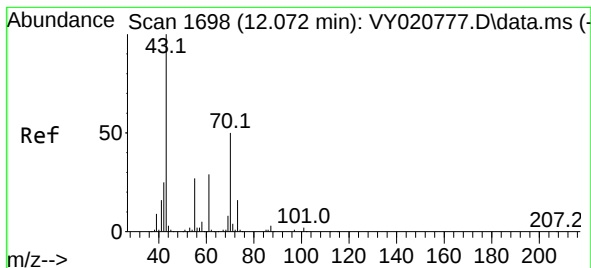
Delta R.T. -0.012 min

Lab File: VY020919.D

Acq: 23 Jan 2025 18:35

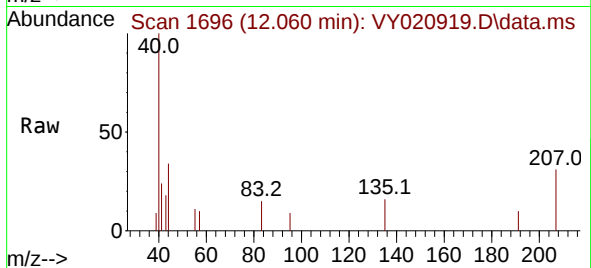
Tgt Ion:152	Resp:	7859
Ion Ratio	Lower	Upper
152	100	
115	63.0	29.0 87.0
150	160.1	0.0 347.4



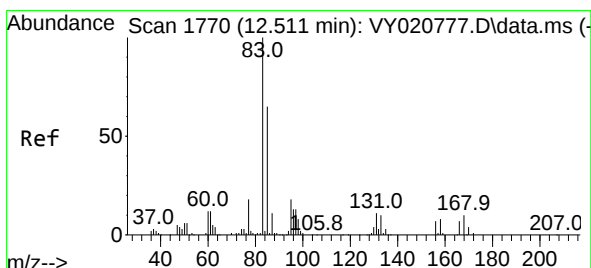
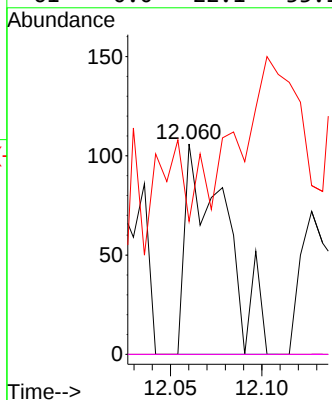
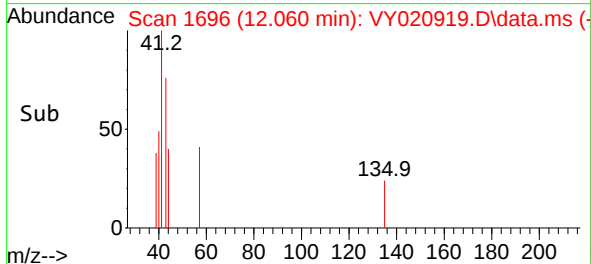


#74
N-amy1 acetate
Concen: 1.598 ug/l
RT: 12.060 min Scan# 1698
Delta R.T. -0.030 min
Lab File: VY020919.D
Acq: 23 Jan 2025 18:35

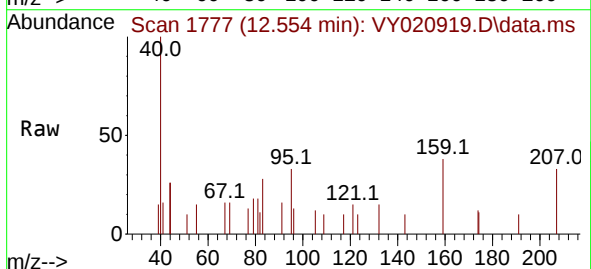
Instrument :
MSVOA_Y
ClientSampleId :



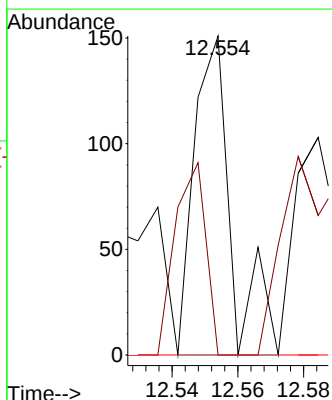
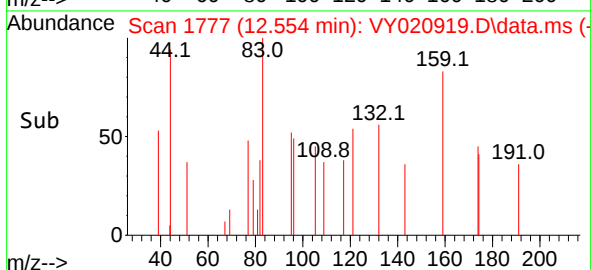
Tgt Ion: 43	Resp: 163
Ion Ratio	Lower Upper
43 100	
70 0.0	40.2 60.4#
55 0.0	21.2 31.8#
61 0.0	22.1 33.1#

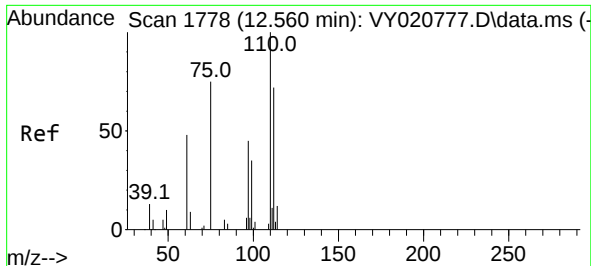


#75
1,1,2,2-Tetrachloroethane
Concen: 1.259 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.025 min
Lab File: VY020919.D
Acq: 23 Jan 2025 18:35



Tgt Ion: 83	Resp: 119
Ion Ratio	Lower Upper
83 100	
131 49.6	6.0 18.0#
85 0.0	32.0 96.2#

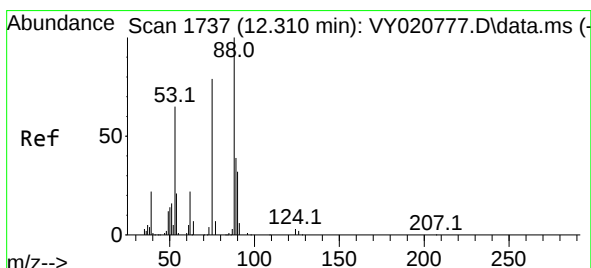
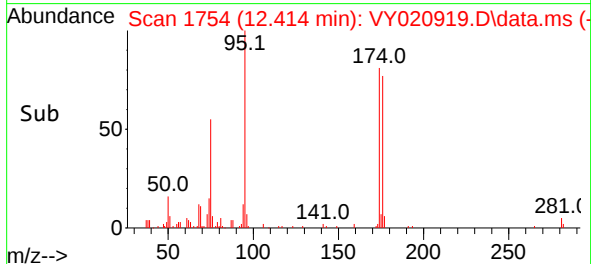
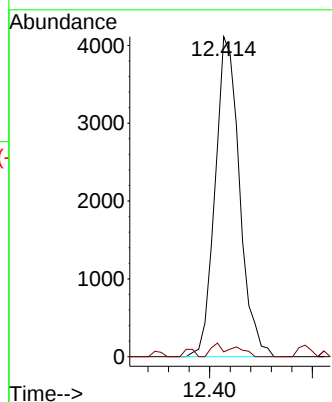
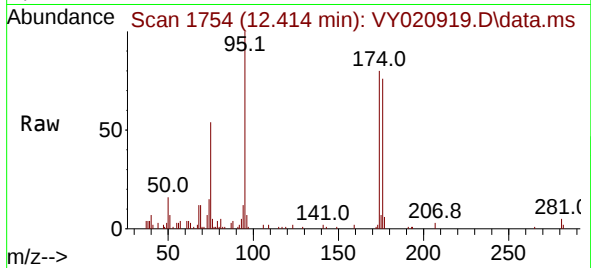




#76
1,2,3-Trichloropropane
Concen: 98.350 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.164 min
Lab File: VY020919.D
Acq: 23 Jan 2025 18:35

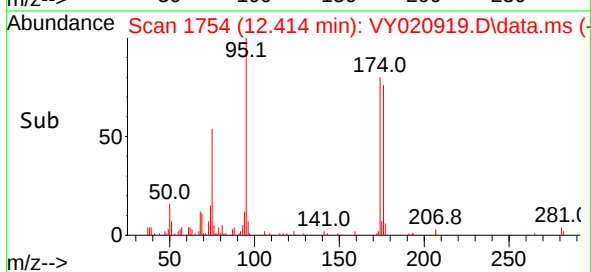
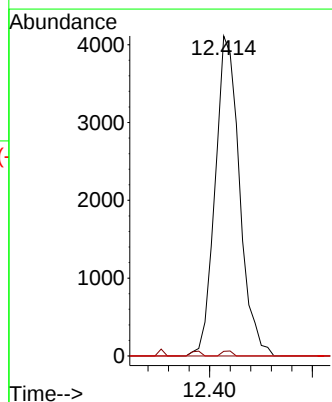
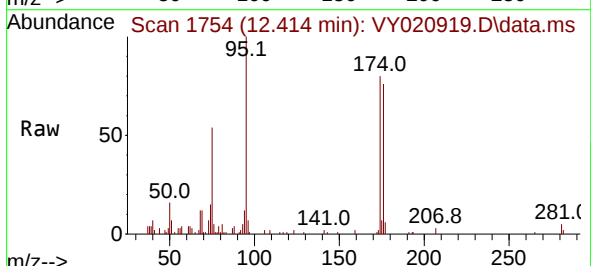
Instrument :
MSVOA_Y
ClientSampleId :

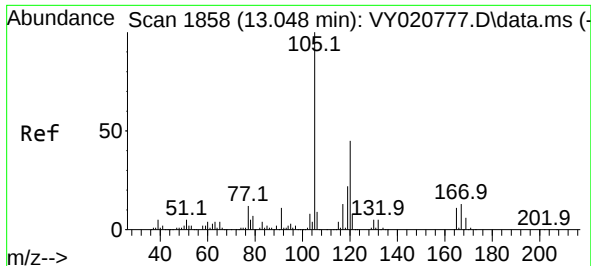
Tgt Ion: 75 Resp: 6763
Ion Ratio Lower Upper
75 100
77 2.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 207.374 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.086 min
Lab File: VY020919.D
Acq: 23 Jan 2025 18:35

Tgt Ion: 75 Resp: 6763
Ion Ratio Lower Upper
75 100
53 0.7 69.4 104.0#
89 0.0 39.6 59.4#

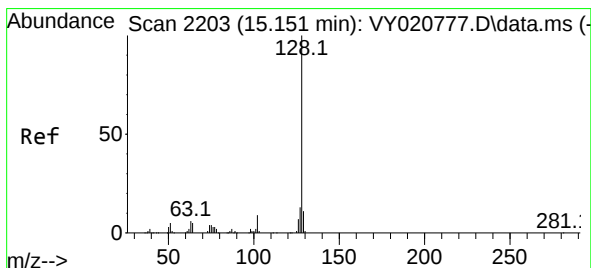
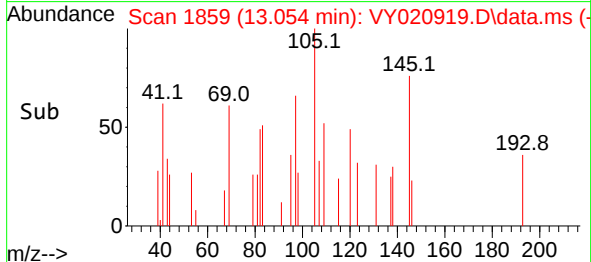
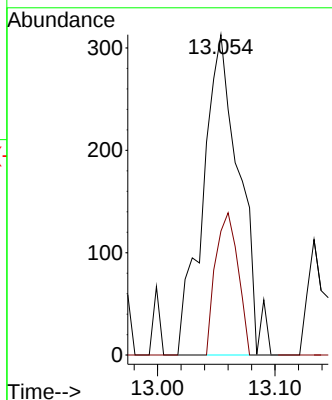
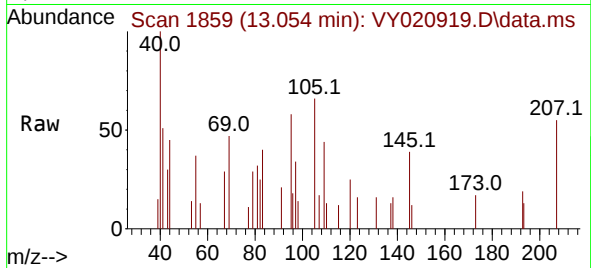




#84
1,2,4-Trimethylbenzene
Concen: 1.368 ug/l
RT: 13.054 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY020919.D
Acq: 23 Jan 2025 18:35

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:105 Resp: 675
Ion Ratio Lower Upper
105 100
120 27.4 22.4 67.2



#95
Naphthalene
Concen: 6.528 ug/l
RT: 15.157 min Scan# 2204
Delta R.T. -0.012 min
Lab File: VY020919.D
Acq: 23 Jan 2025 18:35

Tgt Ion:128 Resp: 1510
Ion Ratio Lower Upper
128 100
127 4.2 10.5 15.7#
129 20.5 8.6 12.8#

