

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013025\
 Data File : VY020987.D
 Acq On : 30 Jan 2025 15:49
 Operator : SY/MD
 Sample : Q1207-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 31 04:41:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y013025S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 31 02:19:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	318303	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	481883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	373394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	146856	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	113973	42.055	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.120%
35) Dibromofluoromethane	7.640	113	125069	43.172	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.340%
50) Toluene-d8	10.109	98	455466	40.281	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	80.560%
62) 4-Bromofluorobenzene	12.408	95	130832	34.483	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	68.960%

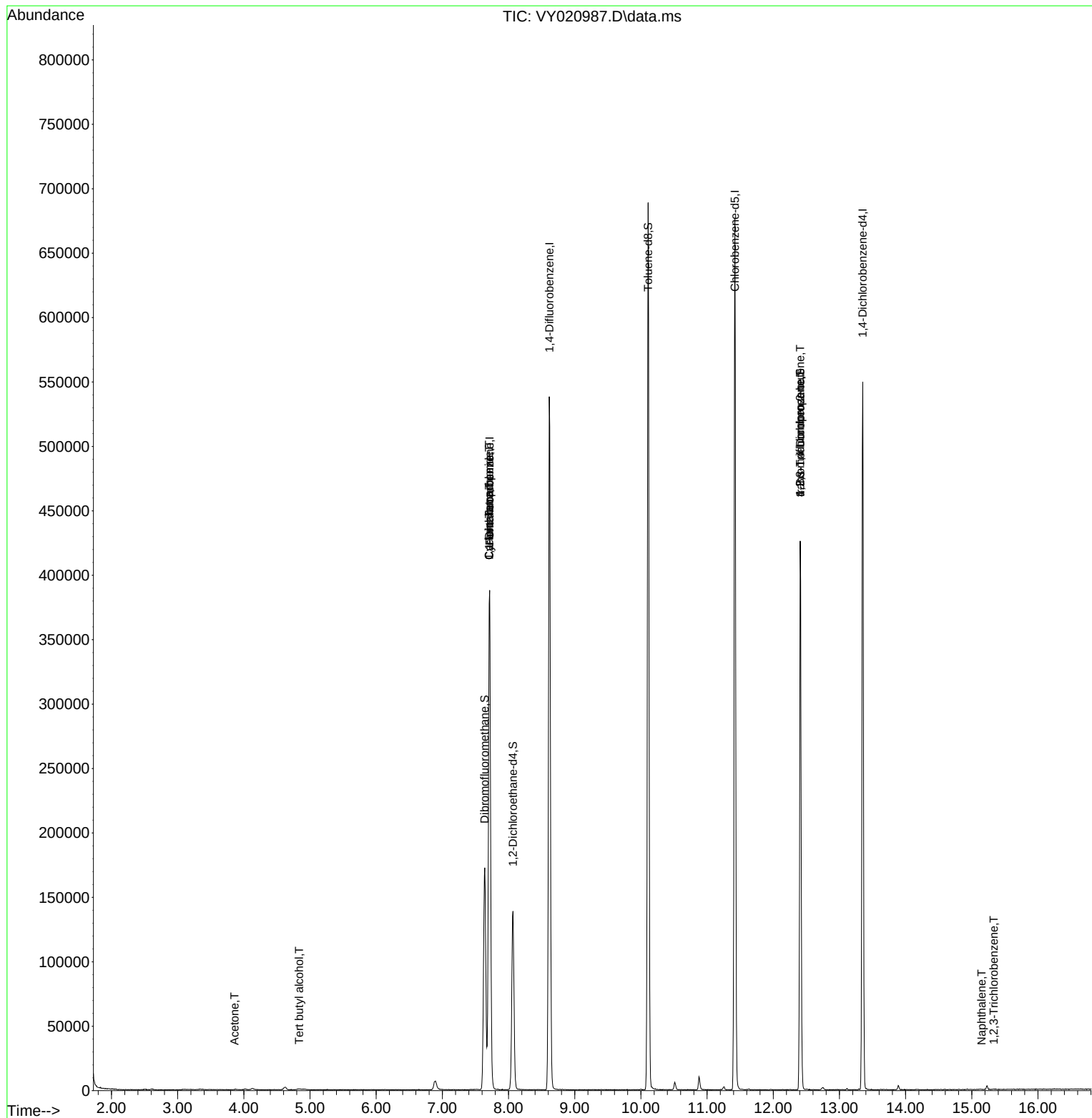
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.836	59	716	3.617	ug/l #	73
16) Acetone	3.860	43	459	1.243	ug/l #	39
31) Cyclohexane	7.707	56	5403	1.133	ug/l #	18
36) 1,1-Dichloropropene	7.707	75	21383	5.174	ug/l #	51
38) Carbon Tetrachloride	7.707	117	30580	5.979	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	65583	56.413	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	65583	117.103	ug/l #	15
95) Naphthalene	15.151	128	374	4.069	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.334	180	74	4.524	ug/l #	75

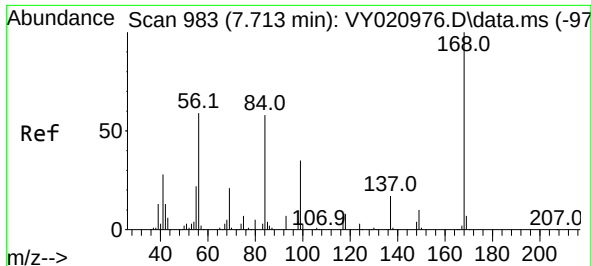
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

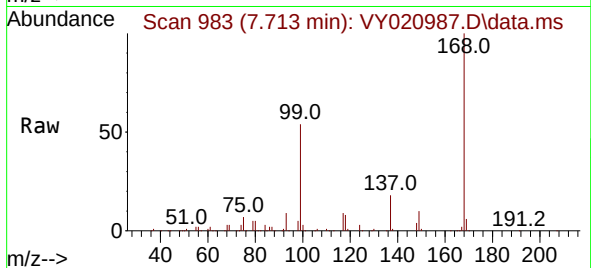
Quant Time: Jan 31 04:41:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y013025S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 31 02:19:37 2025
Response via : Initial Calibration



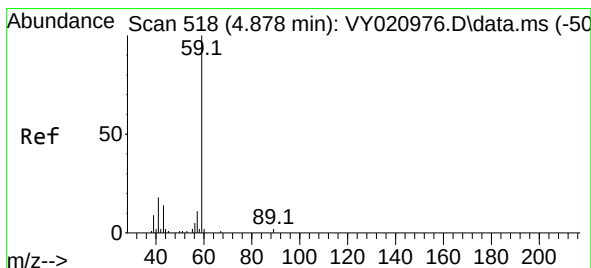
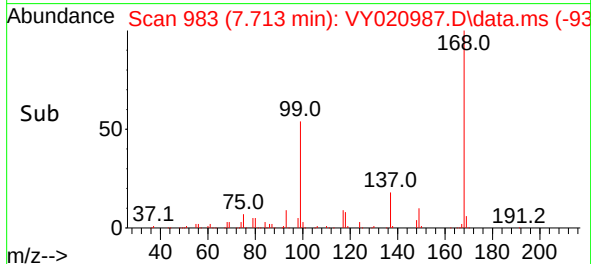
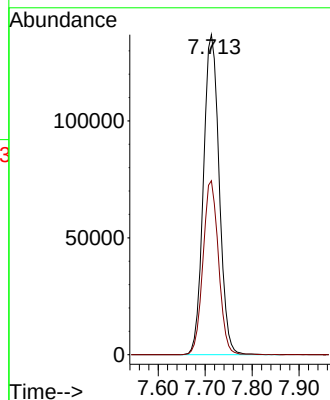


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020987.D
Acq: 30 Jan 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :

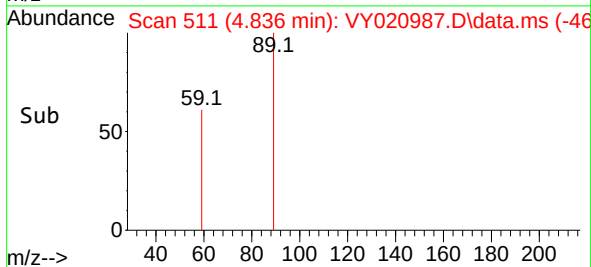
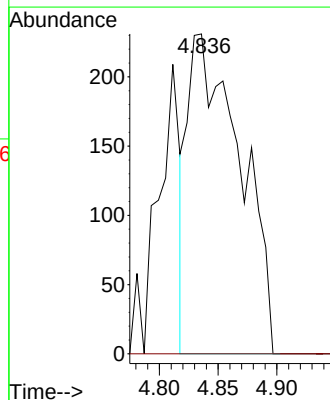
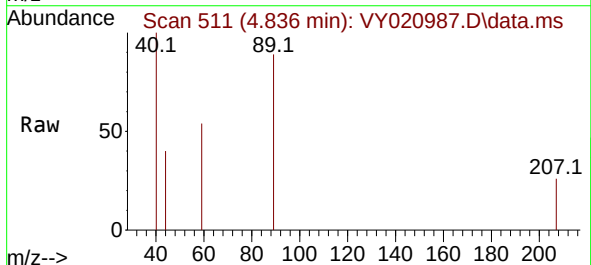


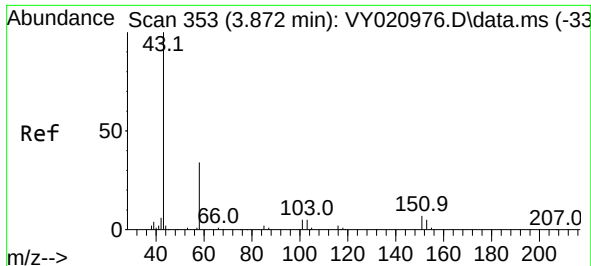
Tgt Ion:168 Resp: 318303
Ion Ratio Lower Upper
168 100
99 54.4 42.2 63.2



#11
Tert butyl alcohol
Concen: 3.617 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.042 min
Lab File: VY020987.D
Acq: 30 Jan 2025 15:49

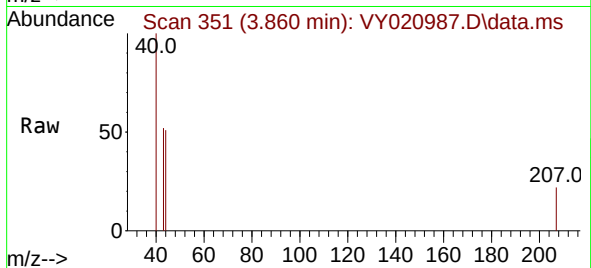
Tgt Ion: 59 Resp: 716
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



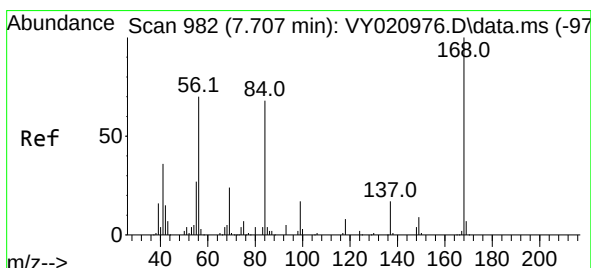
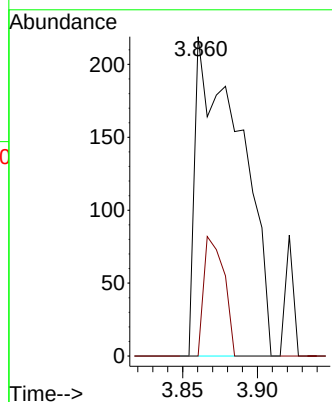
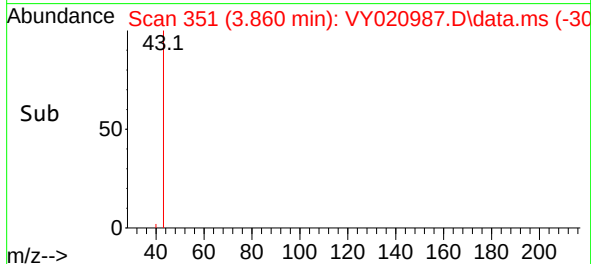


#16
Acetone
Concen: 1.243 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY020987.D
Acq: 30 Jan 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :

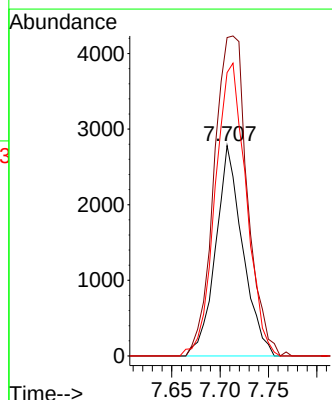
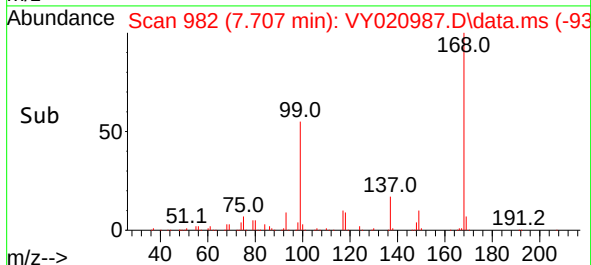
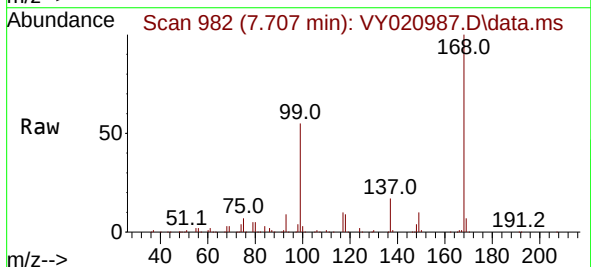


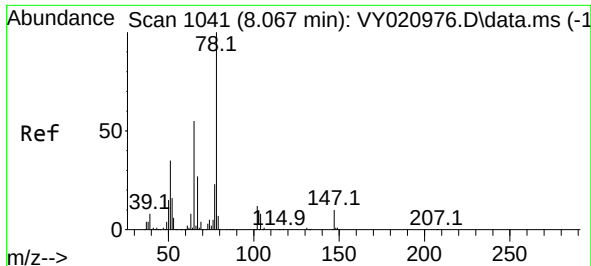
Tgt Ion: 43 Resp: 459
Ion Ratio Lower Upper
43 100
58 0.0 28.4 42.6#



#31
Cyclohexane
Concen: 1.133 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY020987.D
Acq: 30 Jan 2025 15:49

Tgt Ion: 56 Resp: 5403
Ion Ratio Lower Upper
56 100
69 151.4 27.7 41.5#
84 134.7 77.5 116.3#





#33

1,2-Dichloroethane-d4

Concen: 42.055 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY020987.D

Acq: 30 Jan 2025 15:49

Instrument :

MSVOA_Y

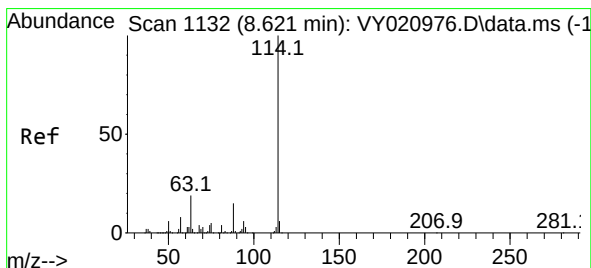
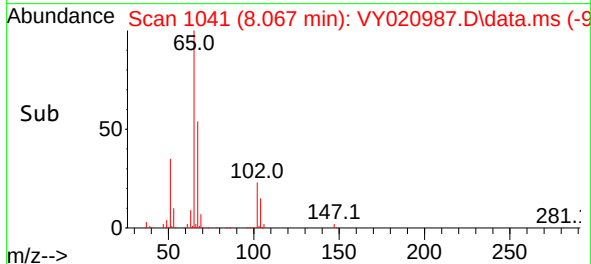
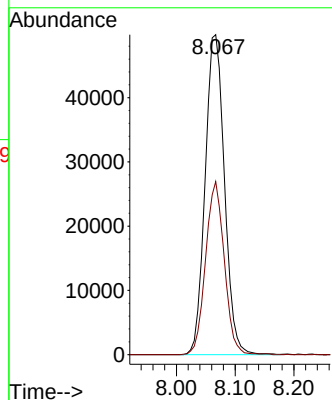
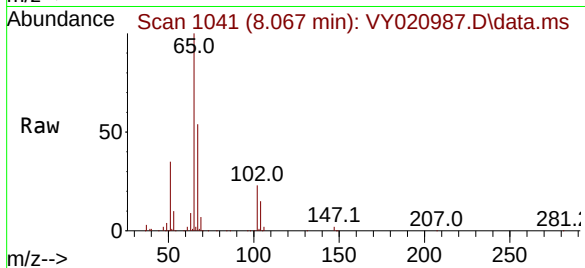
ClientSampleId :

Tgt Ion: 65 Resp: 113973

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY020987.D

Acq: 30 Jan 2025 15:49

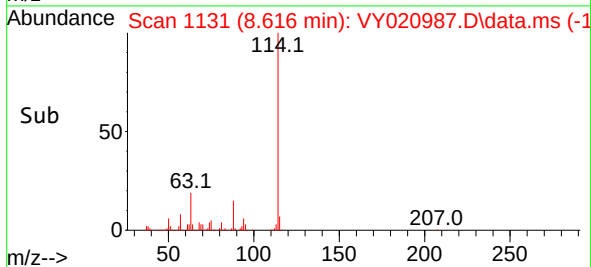
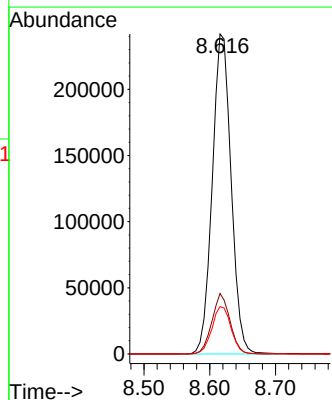
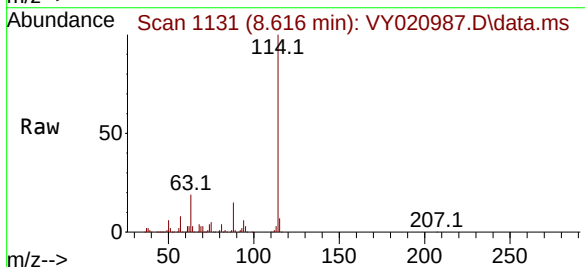
Tgt Ion:114 Resp: 481883

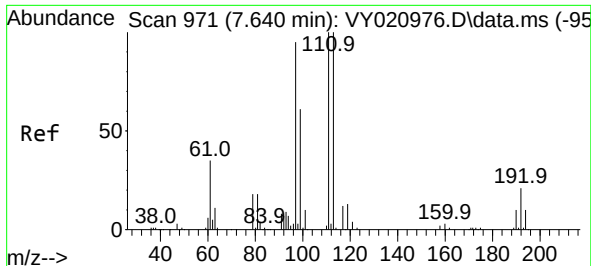
Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.2

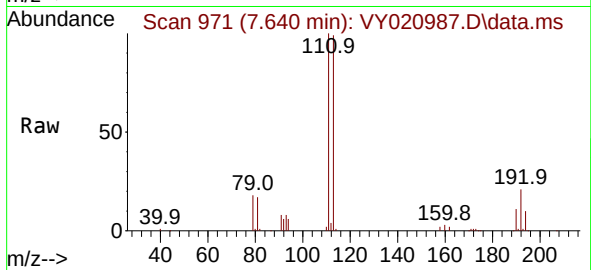
88 14.8 0.0 29.6



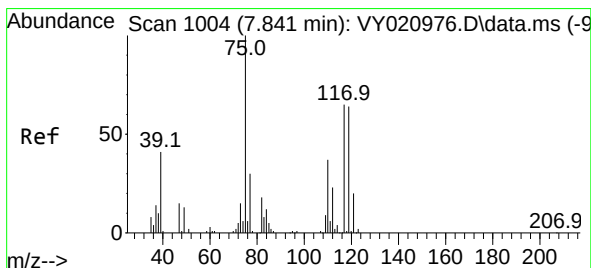
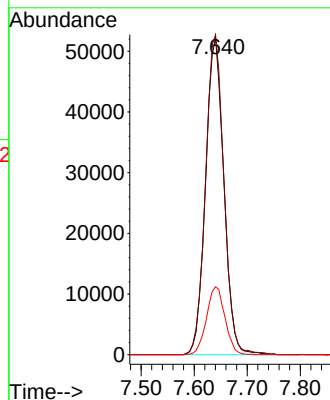
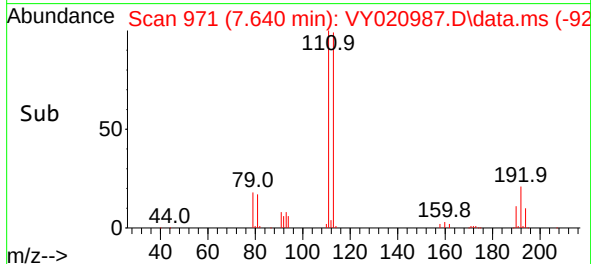


#35
Dibromofluoromethane
Concen: 43.172 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020987.D
Acq: 30 Jan 2025 15:49

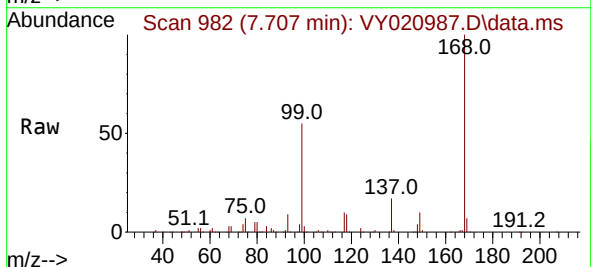
Instrument :
MSVOA_Y
ClientSampleId :



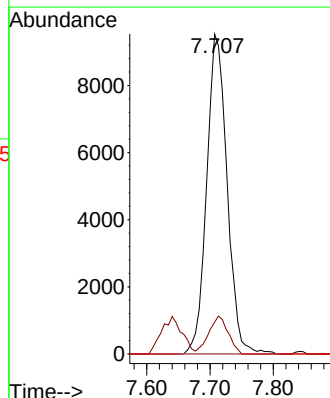
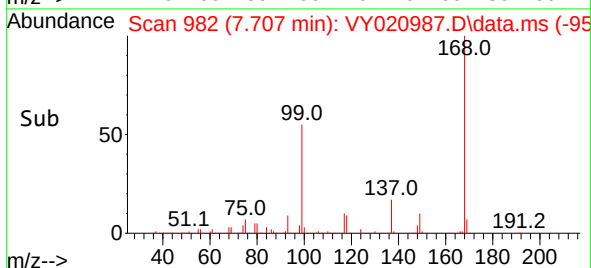
Tgt Ion:113 Resp: 125069
Ion Ratio Lower Upper
113 100
111 101.7 82.6 123.8
192 21.6 16.8 25.2

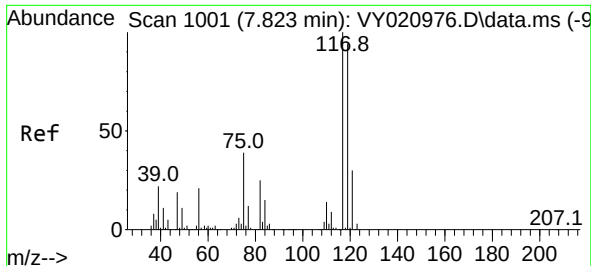


#36
1,1-Dichloropropene
Concen: 5.174 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY020987.D
Acq: 30 Jan 2025 15:49



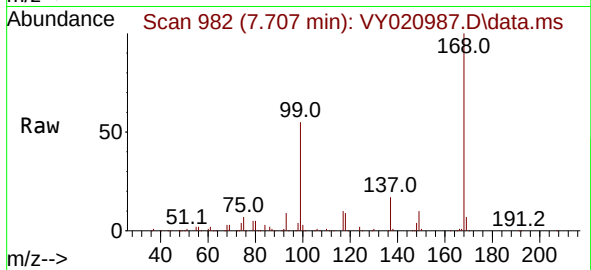
Tgt Ion: 75 Resp: 21383
Ion Ratio Lower Upper
75 100
110 11.2 18.4 55.2#
77 0.0 24.9 37.3#



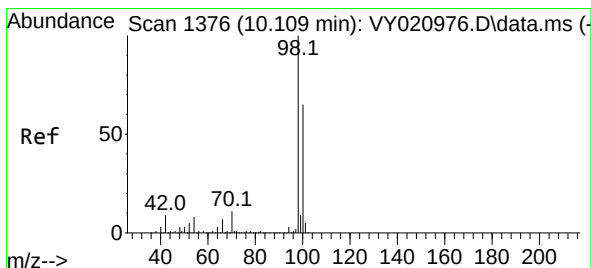
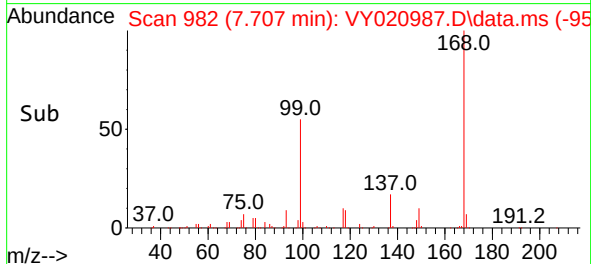
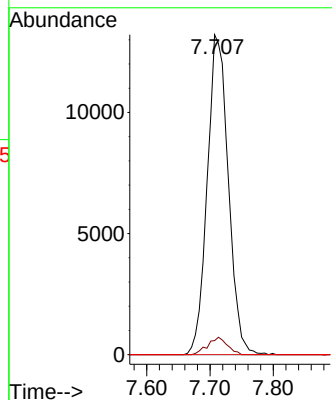


#38
Carbon Tetrachloride
Concen: 5.979 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY020987.D
Acq: 30 Jan 2025 15:49

Instrument :
MSVOA_Y
ClientSampleId :

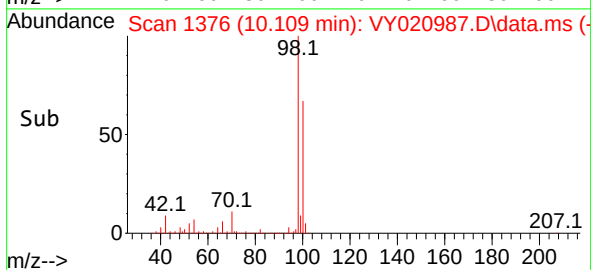
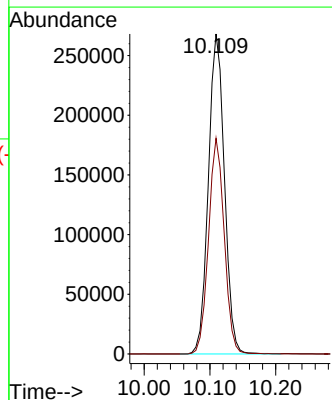
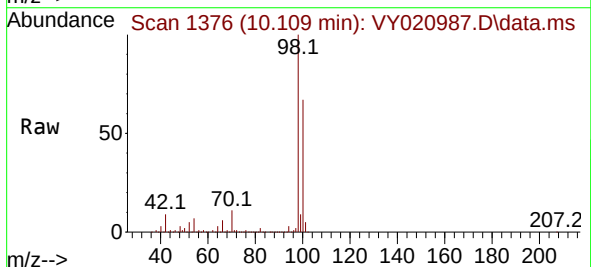


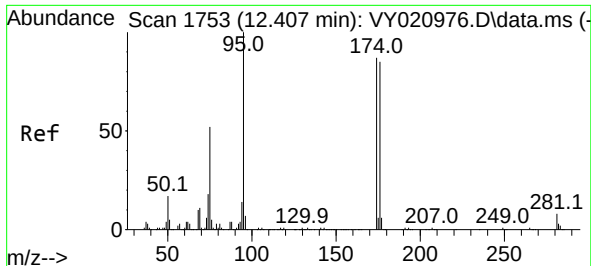
Tgt Ion:117 Resp: 30580
Ion Ratio Lower Upper
117 100
119 4.4 75.0 112.6#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 40.281 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY020987.D
Acq: 30 Jan 2025 15:49

Tgt Ion: 98 Resp: 455466
Ion Ratio Lower Upper
98 100
100 65.9 52.6 79.0

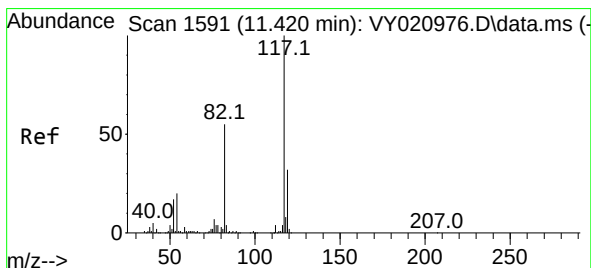
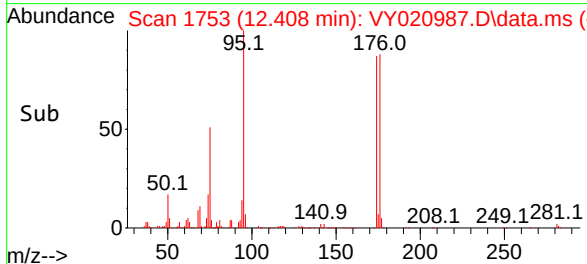
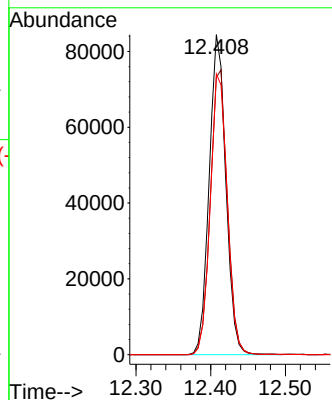
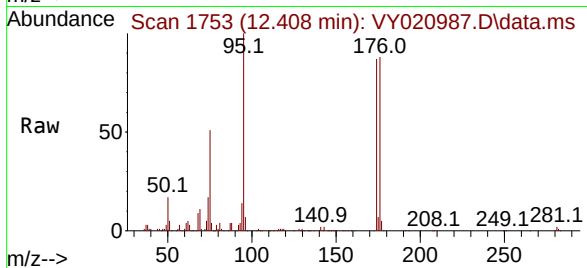




#62
4-Bromofluorobenzene
Concen: 34.483 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020987.D
Acq: 30 Jan 2025 15:49

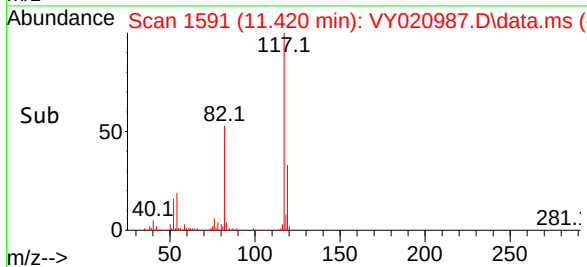
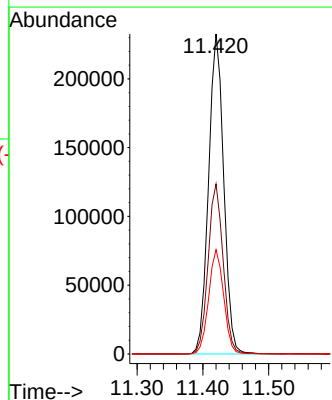
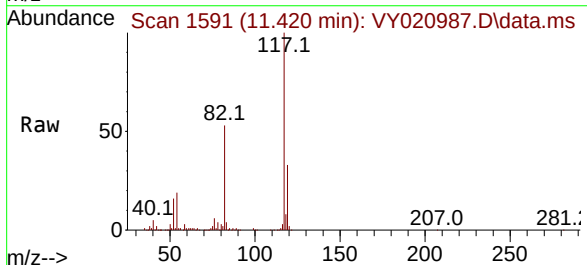
Instrument :
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ClientSampleId :

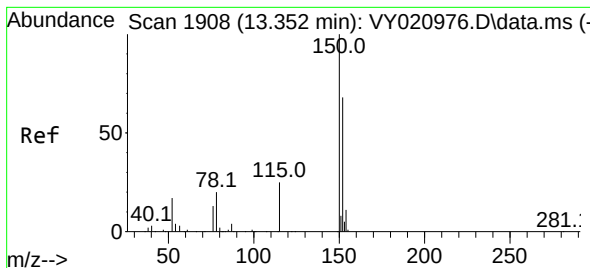
Tgt Ion: 95 Resp: 130832
Ion Ratio Lower Upper
95 100
174 91.1 0.0 181.2
176 89.5 0.0 175.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY020987.D
Acq: 30 Jan 2025 15:49

Tgt Ion: 117 Resp: 373394
Ion Ratio Lower Upper
117 100
82 53.1 44.2 66.2
119 32.6 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY020987.D

Acq: 30 Jan 2025 15:49

Instrument :

MSVOA_Y

ClientSampleId :

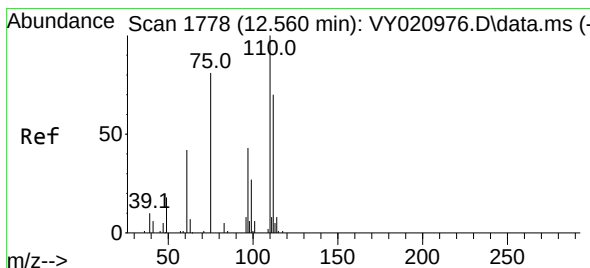
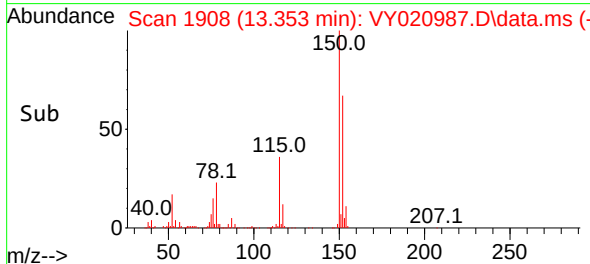
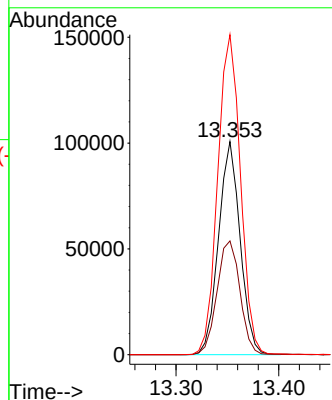
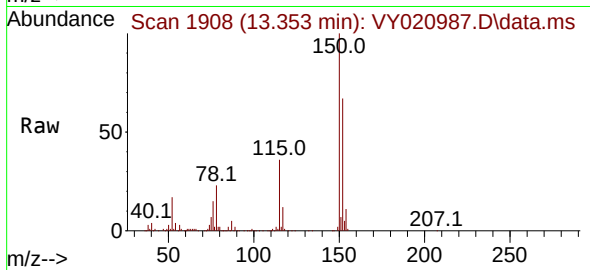
Tgt Ion:152 Resp: 146856

Ion Ratio Lower Upper

152 100

115 56.9 28.4 85.2

150 158.4 0.0 342.8



#76

1,2,3-Trichloropropane

Concen: 56.413 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY020987.D

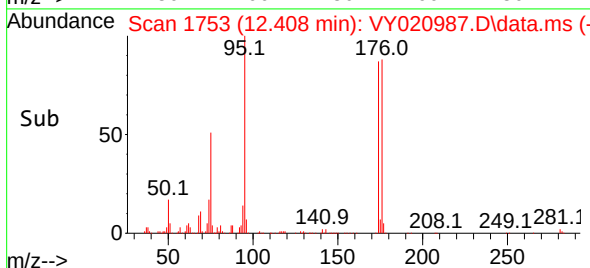
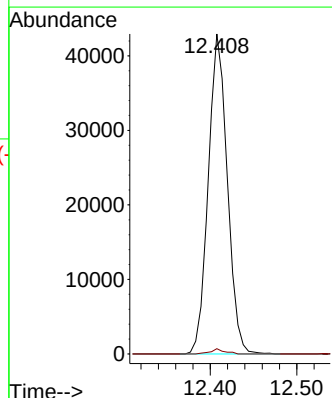
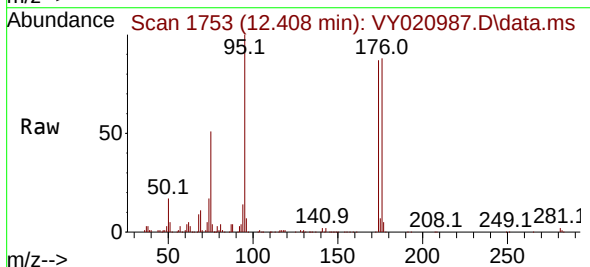
Acq: 30 Jan 2025 15:49

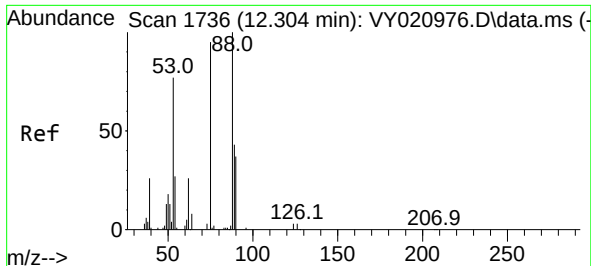
Tgt Ion: 75 Resp: 65583

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

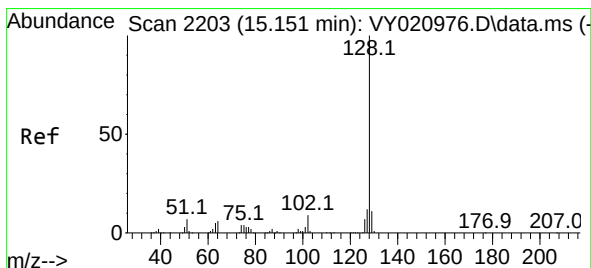
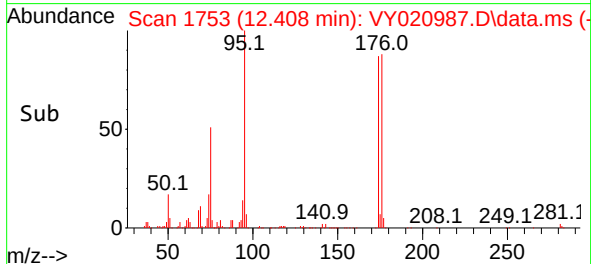
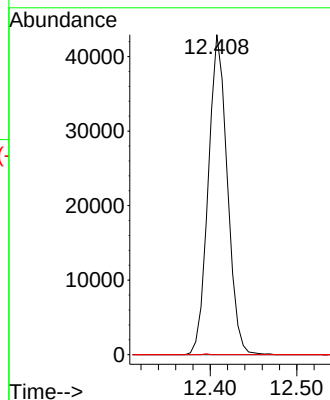
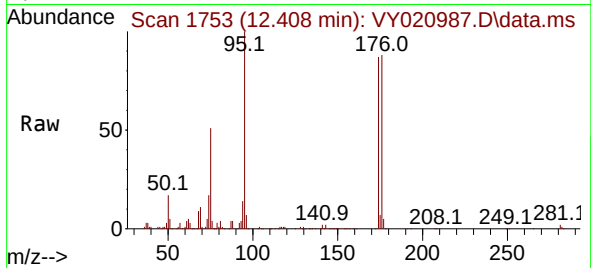




#81
trans-1,4-Dichloro-2-butene
Concen: 117.103 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY020987.D
Acq: 30 Jan 2025 15:49

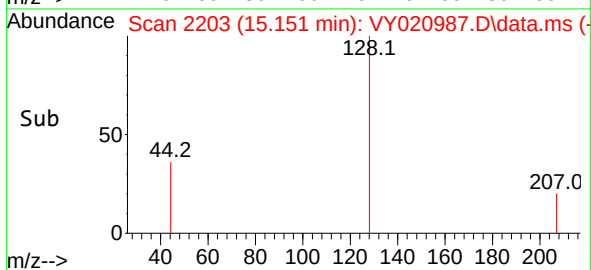
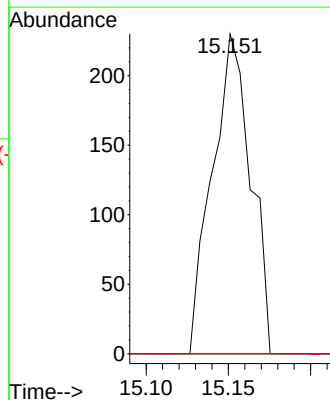
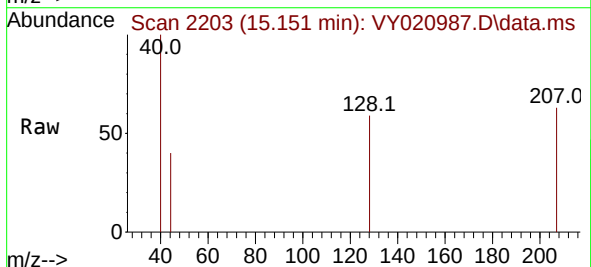
Instrument :
MSVOA_Y
ClientSampleId :

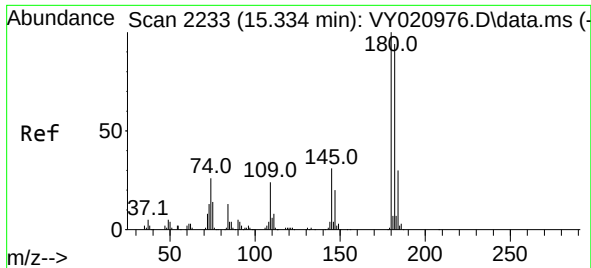
Tgt Ion: 75 Resp: 65583
Ion Ratio Lower Upper
75 100
53 0.0 68.6 103.0#
89 0.1 38.1 57.1#



#95
Naphthalene
Concen: 4.069 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. -0.000 min
Lab File: VY020987.D
Acq: 30 Jan 2025 15:49

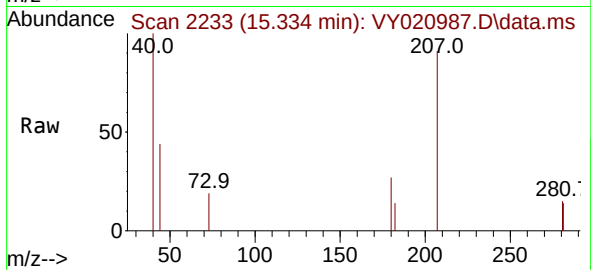
Tgt Ion: 128 Resp: 374
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 4.524 ug/l
 RT: 15.334 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY020987.D
 Acq: 30 Jan 2025 15:49

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	180	Resp:	74
Ion	Ratio	Lower	Upper
180	100		
182	109.5	47.7	143.1
145	0.0	15.6	46.7#

