

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013025\
 Data File : VY020990.D
 Acq On : 30 Jan 2025 16:57
 Operator : SY/MD
 Sample : Q1207-13
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 31 04:42:52 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)

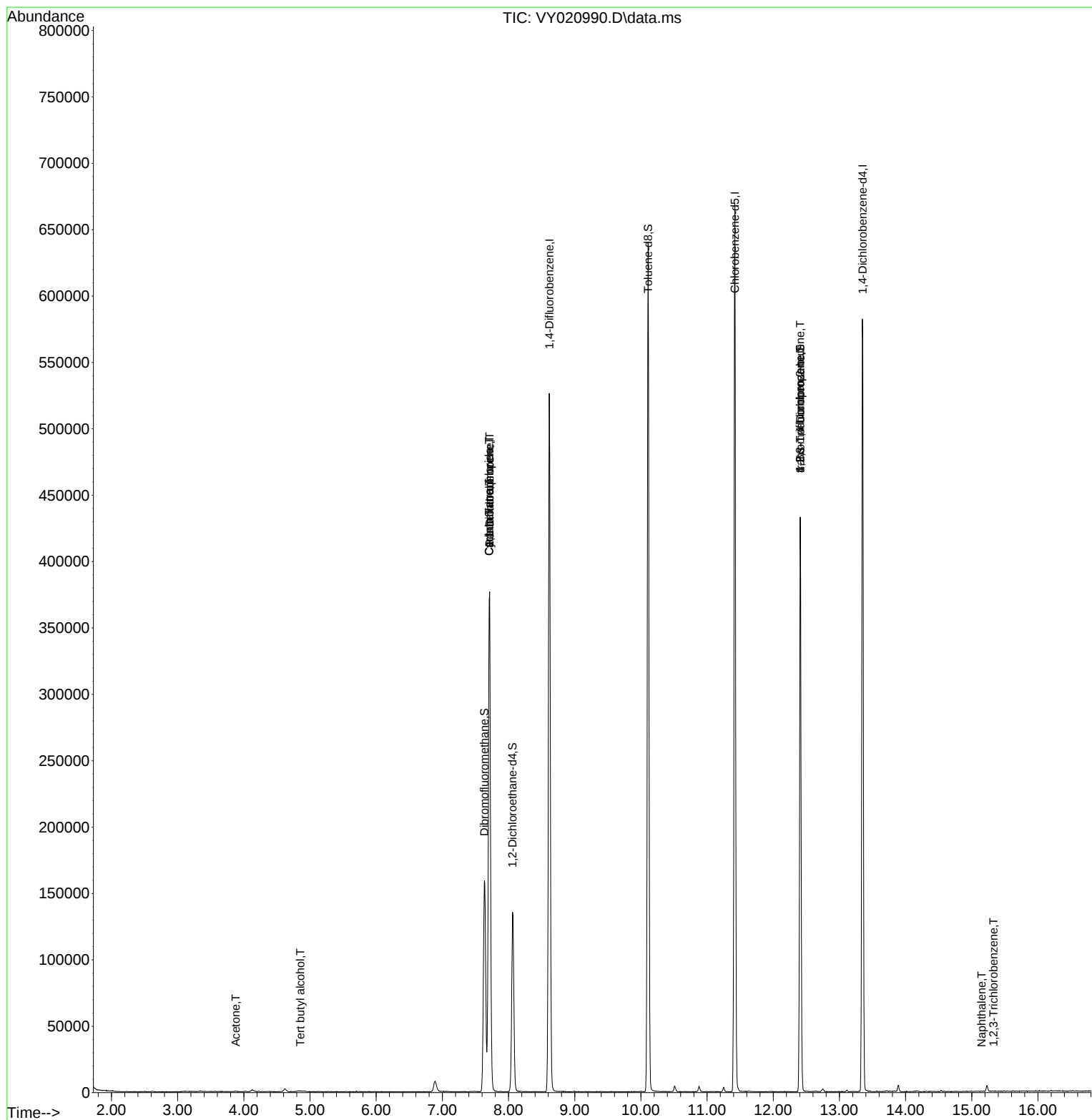
Internal Standards						
1) Pentafluorobenzene	7.713	168	306661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	465312	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	367836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	160858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	109353	41.883	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.760%
35) Dibromofluoromethane	7.634	113	114738	41.016	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.040%
50) Toluene-d8	10.109	98	423578	38.795	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	77.600%
62) 4-Bromofluorobenzene	12.408	95	131381	35.860	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	71.720%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	399	2.092	ug/l #	73
16) Acetone	3.879	43	700	1.967	ug/l #	79
31) Cyclohexane	7.707	56	5261	1.145	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	20748	5.199	ug/l #	50
38) Carbon Tetrachloride	7.707	117	28740	5.820	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	65567	51.490	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	65567	106.884	ug/l #	15
95) Naphthalene	15.151	128	326	4.053	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.328	180	48	4.513	ug/l #	12

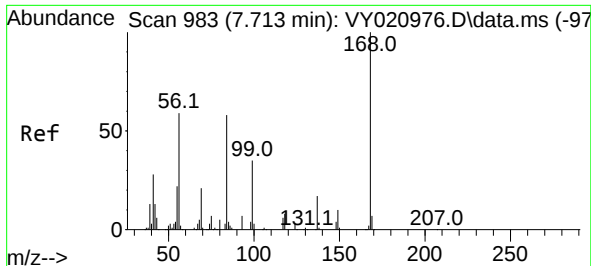
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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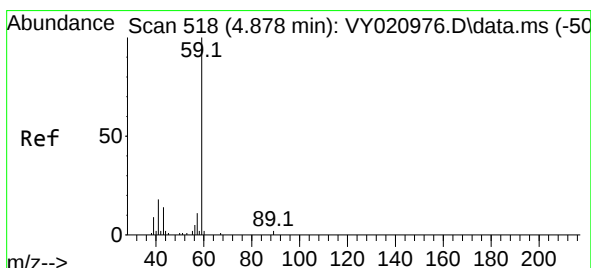
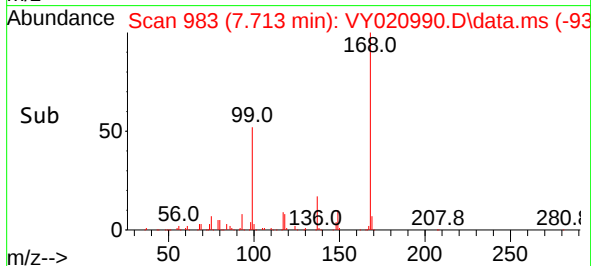
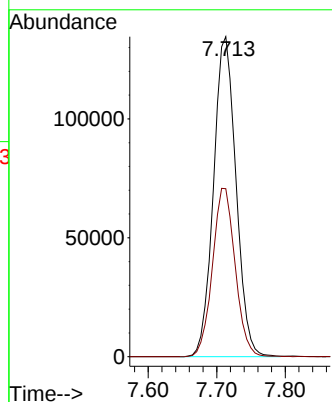
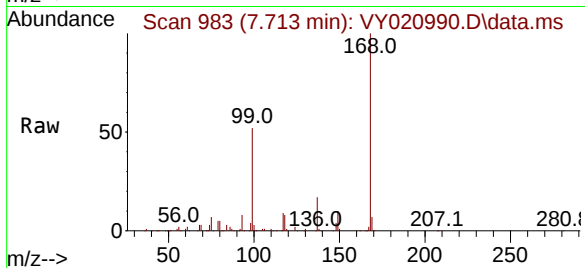




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020990.D
Acq: 30 Jan 2025 16:57

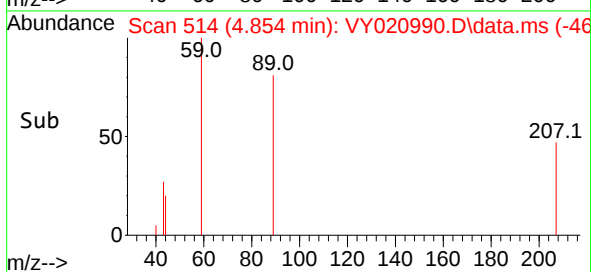
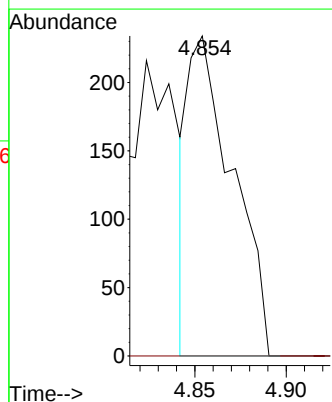
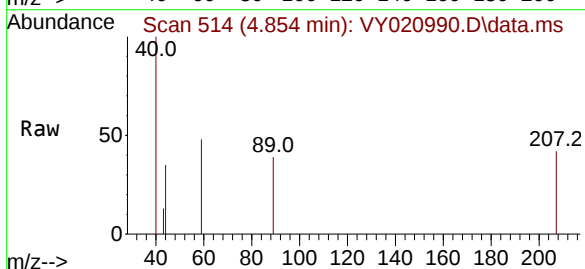
Instrument :
MSVOA_Y
ClientSampleId :

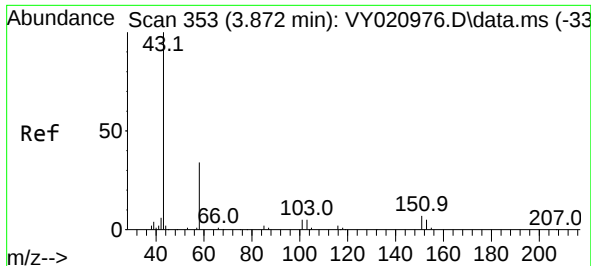
Tgt Ion:168 Resp: 306661
Ion Ratio Lower Upper
168 100
99 52.5 42.2 63.2



#11
Tert butyl alcohol
Concen: 2.092 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.024 min
Lab File: VY020990.D
Acq: 30 Jan 2025 16:57

Tgt Ion: 59 Resp: 399
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

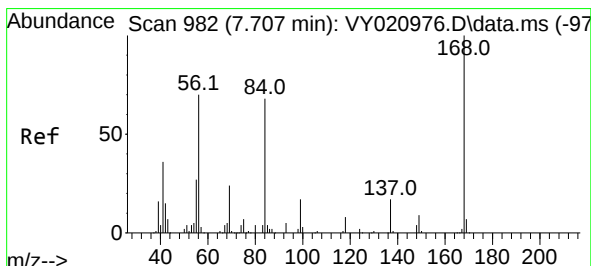
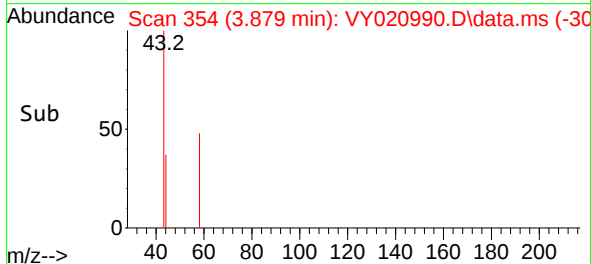
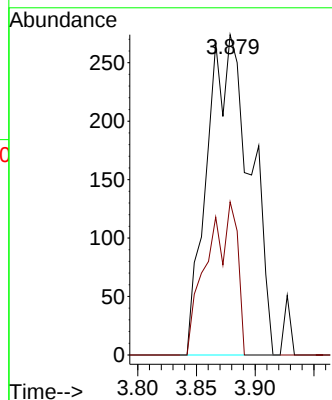
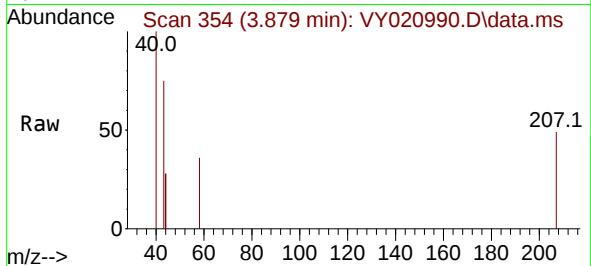




#16
Acetone
Concen: 1.967 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY020990.D
Acq: 30 Jan 2025 16:57

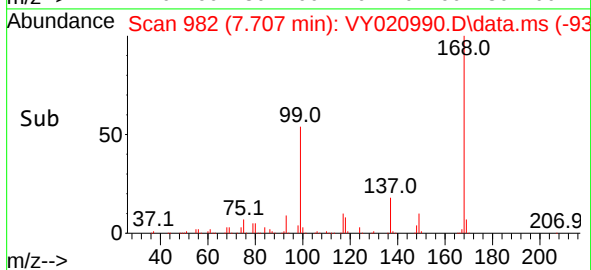
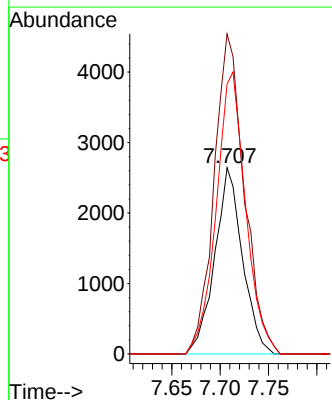
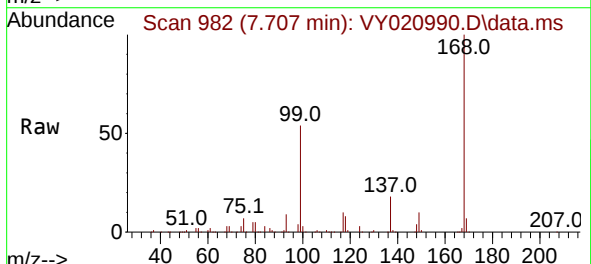
Instrument :
MSVOA_Y
ClientSampleId :

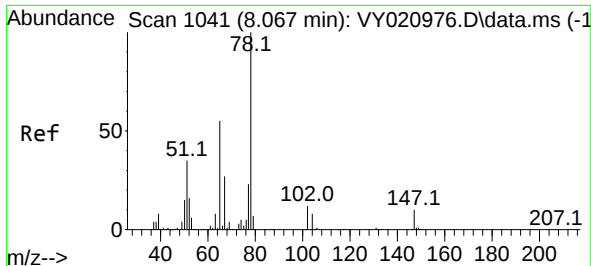
Tgt Ion: 43 Resp: 700
Ion Ratio Lower Upper
43 100
58 47.8 28.4 42.6#



#31
Cyclohexane
Concen: 1.145 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY020990.D
Acq: 30 Jan 2025 16:57

Tgt Ion: 56 Resp: 5261
Ion Ratio Lower Upper
56 100
69 171.9 27.7 41.5#
84 145.0 77.5 116.3#





#33

1,2-Dichloroethane-d4

Concen: 41.883 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY020990.D

Acq: 30 Jan 2025 16:57

Instrument :

MSVOA_Y

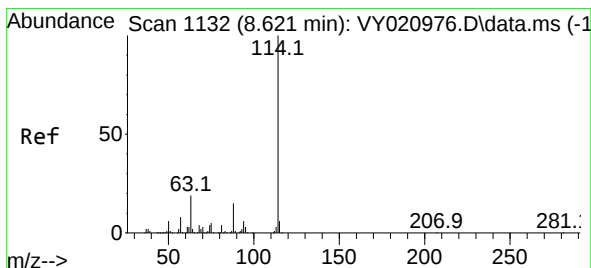
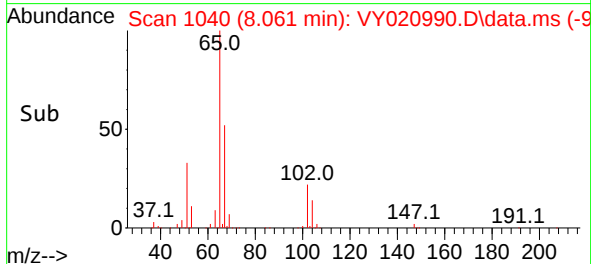
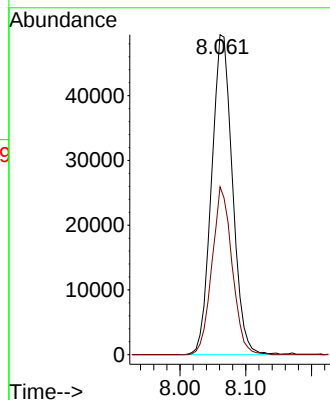
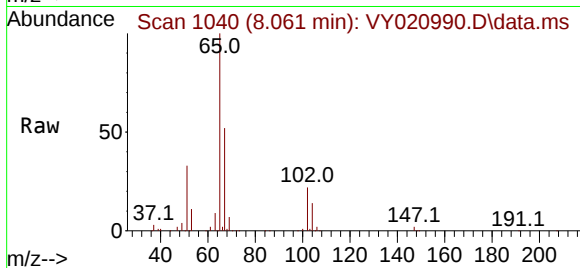
ClientSampleId :

Tgt Ion: 65 Resp: 109353

Ion Ratio Lower Upper

65 100

67 50.5 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: VY020990.D

Acq: 30 Jan 2025 16:57

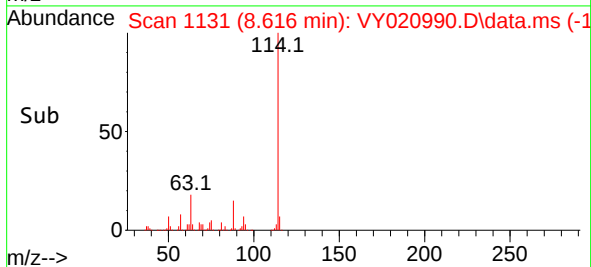
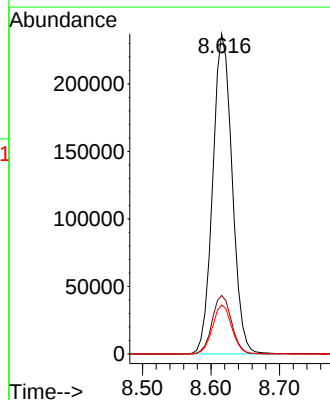
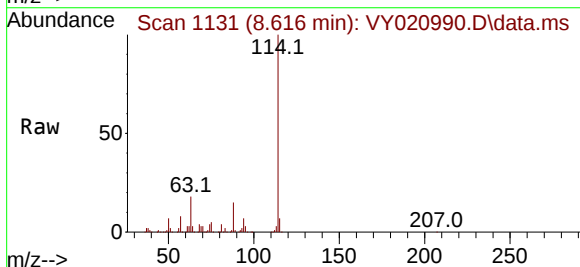
Tgt Ion: 114 Resp: 465312

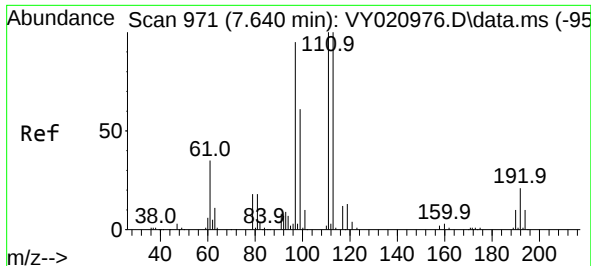
Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.2

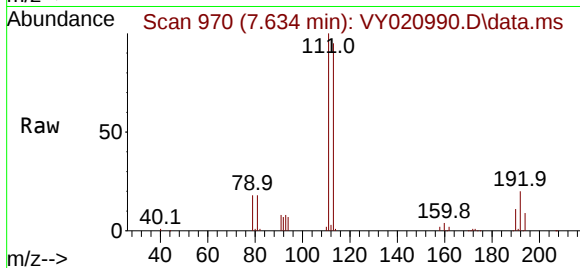
88 15.3 0.0 29.6



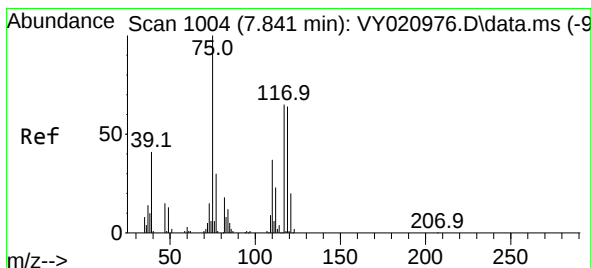
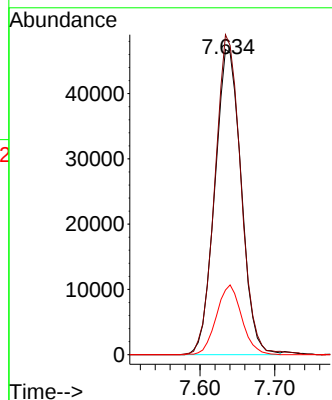
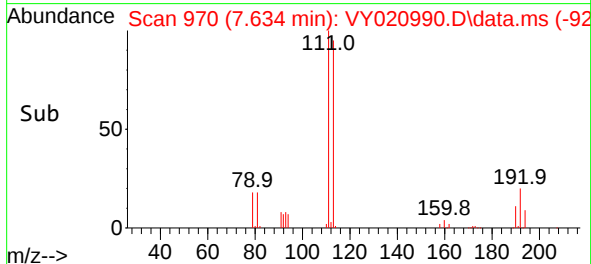


#35
Dibromofluoromethane
Concen: 41.016 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020990.D
Acq: 30 Jan 2025 16:57

Instrument :
MSVOA_Y
ClientSampleId :

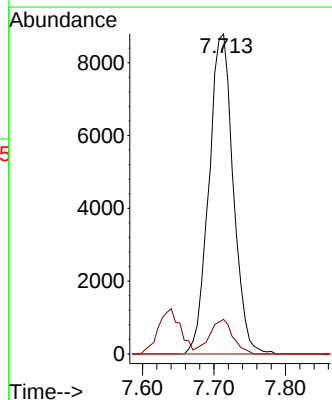
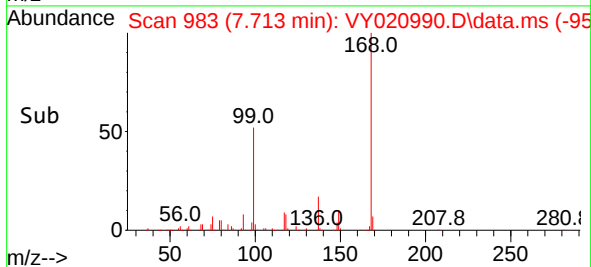
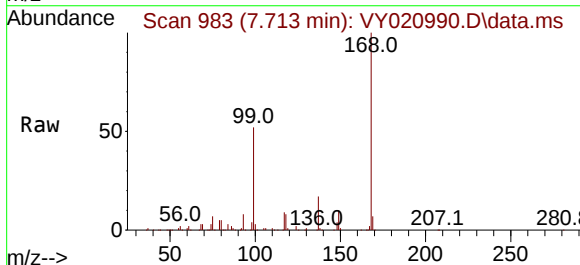


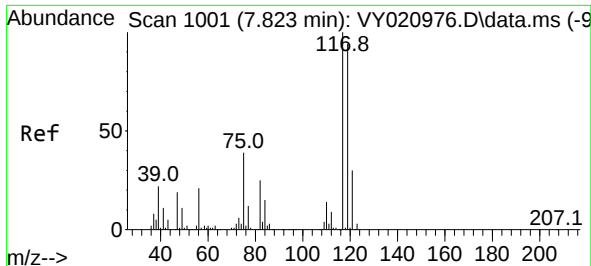
Tgt Ion:113 Resp: 114738
Ion Ratio Lower Upper
113 100
111 103.0 82.6 123.8
192 21.9 16.8 25.2



#36
1,1-Dichloropropene
Concen: 5.199 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY020990.D
Acq: 30 Jan 2025 16:57

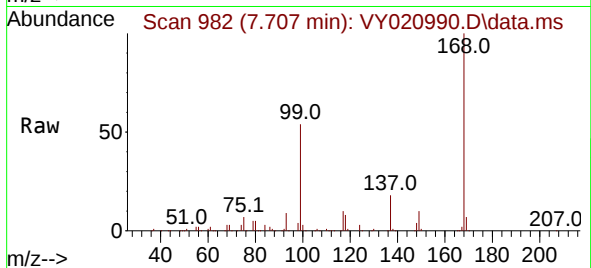
Tgt Ion: 75 Resp: 20748
Ion Ratio Lower Upper
75 100
110 10.1 18.4 55.2#
77 0.0 24.9 37.3#



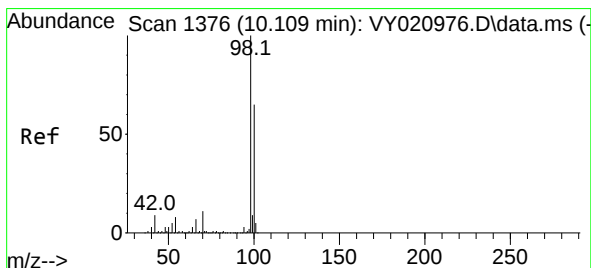
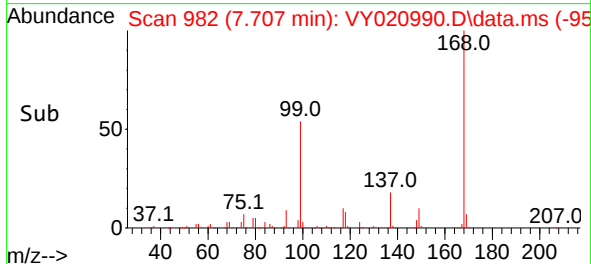
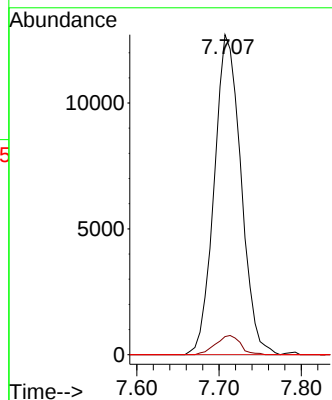


#38
Carbon Tetrachloride
Concen: 5.820 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY020990.D
Acq: 30 Jan 2025 16:57

Instrument :
MSVOA_Y
ClientSampleId :

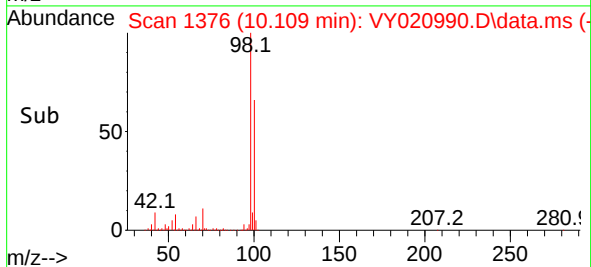
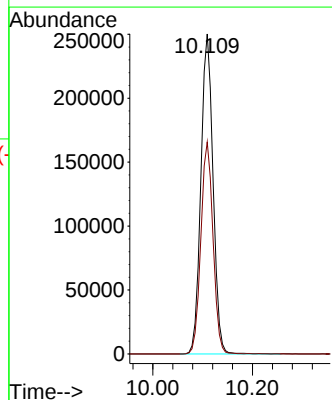
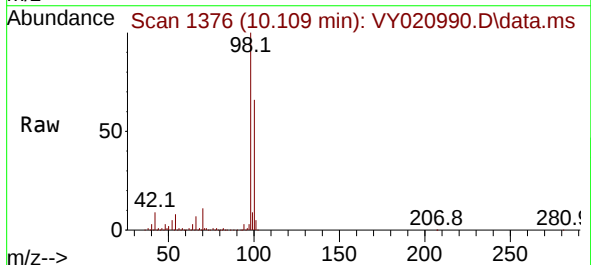


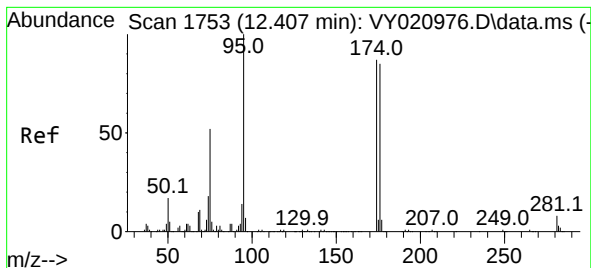
Tgt Ion:117 Resp: 28740
Ion Ratio Lower Upper
117 100
119 5.6 75.0 112.6#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 38.795 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY020990.D
Acq: 30 Jan 2025 16:57

Tgt Ion: 98 Resp: 423578
Ion Ratio Lower Upper
98 100
100 66.1 52.6 79.0

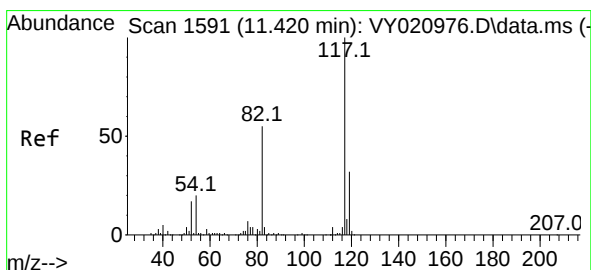
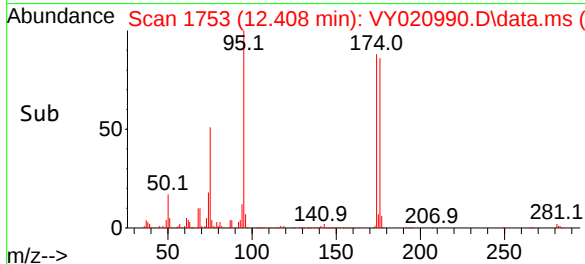
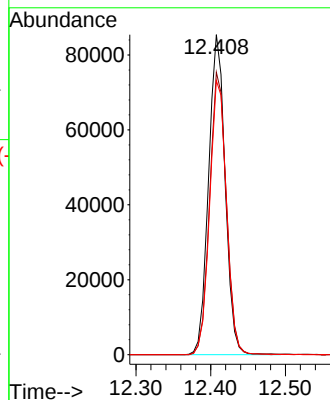
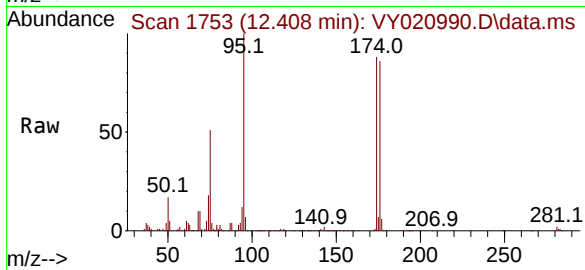




#62
4-Bromofluorobenzene
Concen: 35.860 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020990.D
Acq: 30 Jan 2025 16:57

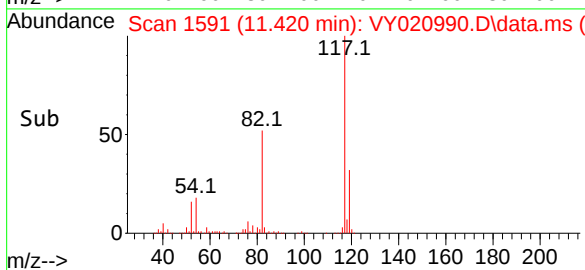
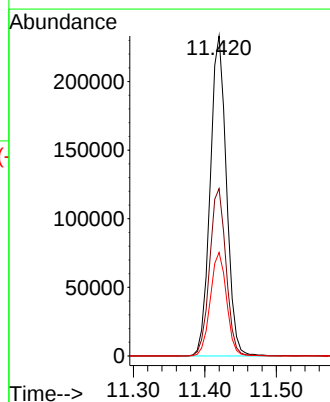
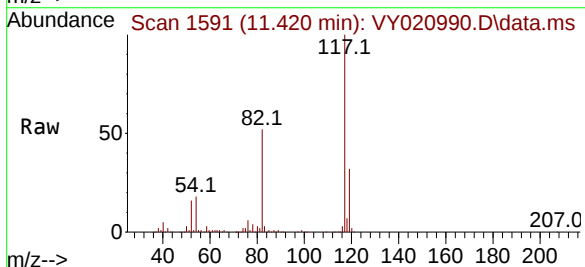
Instrument :
MSVOA_Y
ClientSampleId :

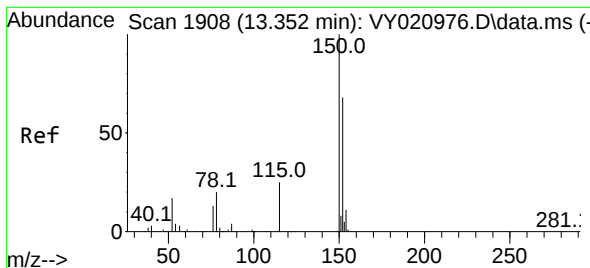
Tgt Ion: 95 Resp: 131381
Ion Ratio Lower Upper
95 100
174 89.6 0.0 181.2
176 87.0 0.0 175.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY020990.D
Acq: 30 Jan 2025 16:57

Tgt Ion: 117 Resp: 367836
Ion Ratio Lower Upper
117 100
82 52.3 44.2 66.2
119 32.4 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY020990.D

Acq: 30 Jan 2025 16:57

Instrument :

MSVOA_Y

ClientSampleId :

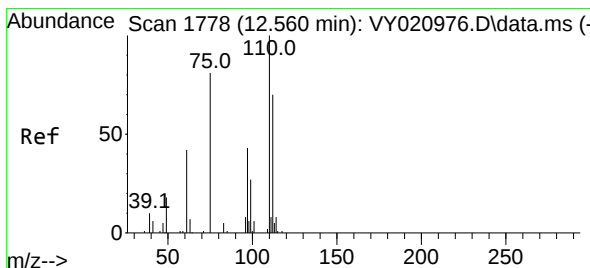
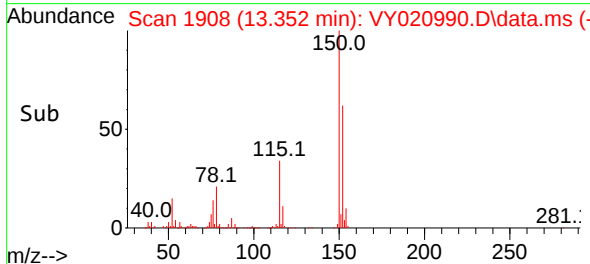
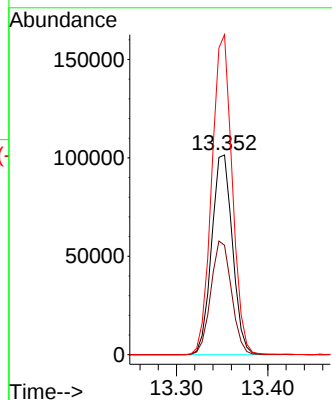
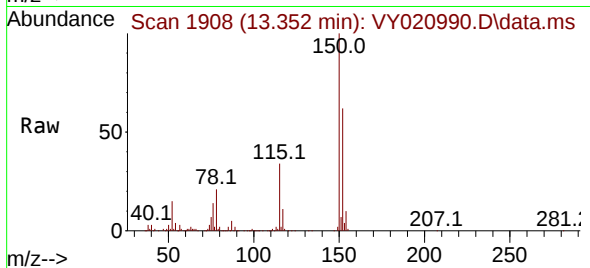
Tgt Ion:152 Resp: 160858

Ion Ratio Lower Upper

152 100

115 56.5 28.4 85.2

150 156.8 0.0 342.8



#76

1,2,3-Trichloropropane

Concen: 51.490 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY020990.D

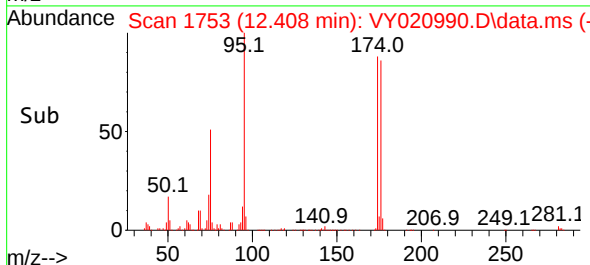
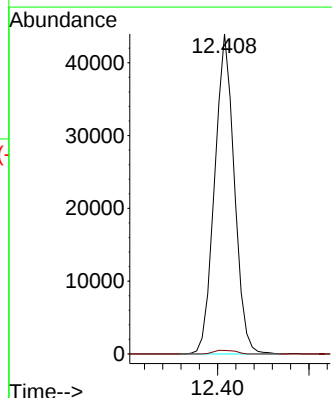
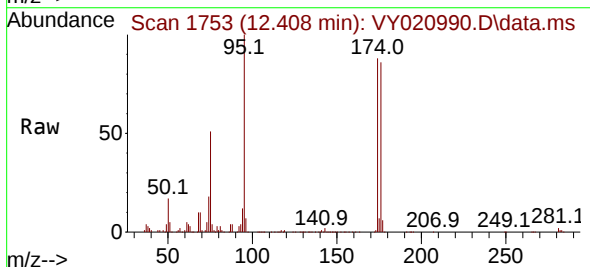
Acq: 30 Jan 2025 16:57

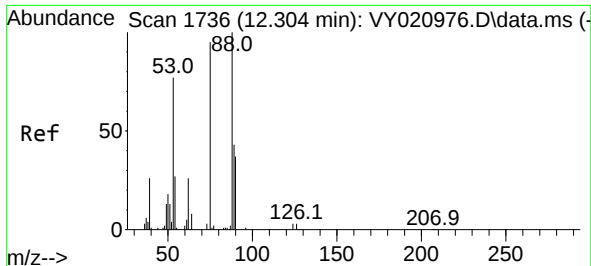
Tgt Ion: 75 Resp: 65567

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

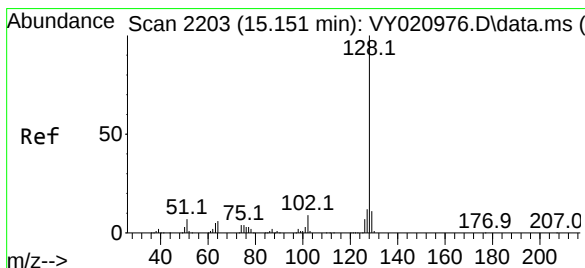
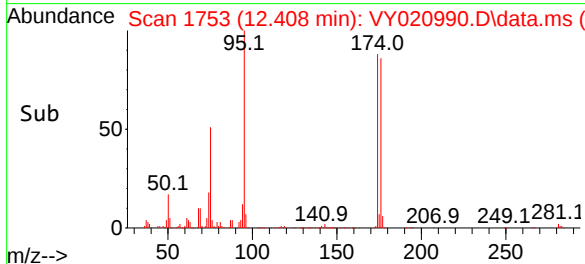
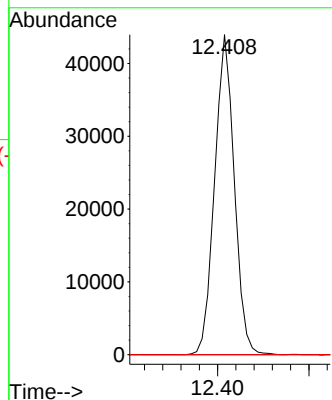
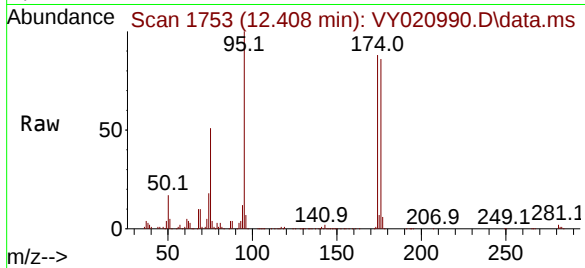




#81
trans-1,4-Dichloro-2-butene
Concen: 106.884 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY020990.D
Acq: 30 Jan 2025 16:57

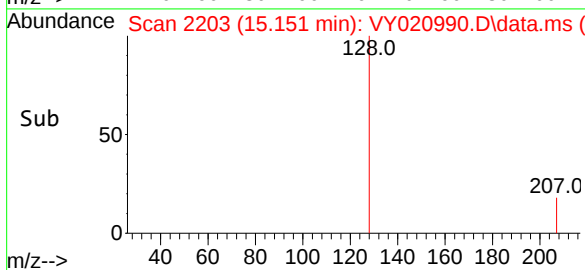
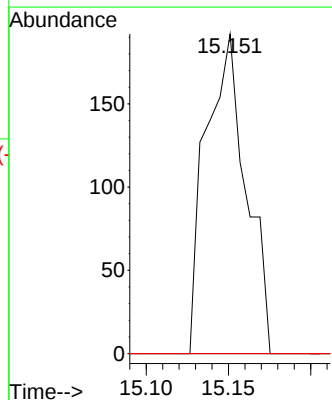
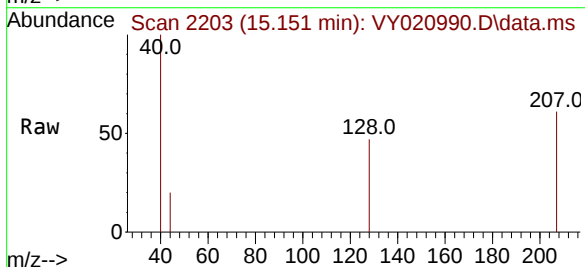
Instrument :
MSVOA_Y
ClientSampleId :

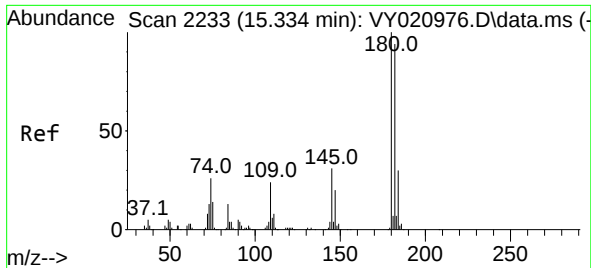
Tgt Ion: 75 Resp: 65567
Ion Ratio Lower Upper
75 100
53 0.0 68.6 103.0#
89 0.0 38.1 57.1#



#95
Naphthalene
Concen: 4.053 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. -0.000 min
Lab File: VY020990.D
Acq: 30 Jan 2025 16:57

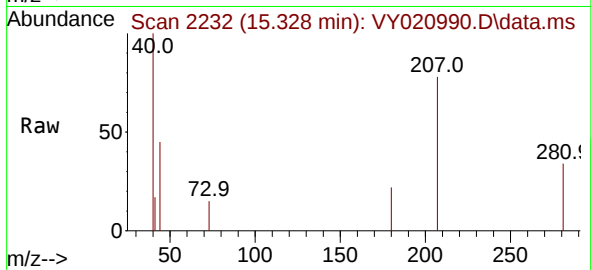
Tgt Ion: 128 Resp: 326
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 4.513 ug/l
 RT: 15.328 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY020990.D
 Acq: 30 Jan 2025 16:57

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 48
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.7 143.1#
 145 0.0 15.6 46.7#

