

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013025\
 Data File : VY020991.D
 Acq On : 30 Jan 2025 17:20
 Operator : SY/MD
 Sample : Q1207-17
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 31 04:43:10 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)

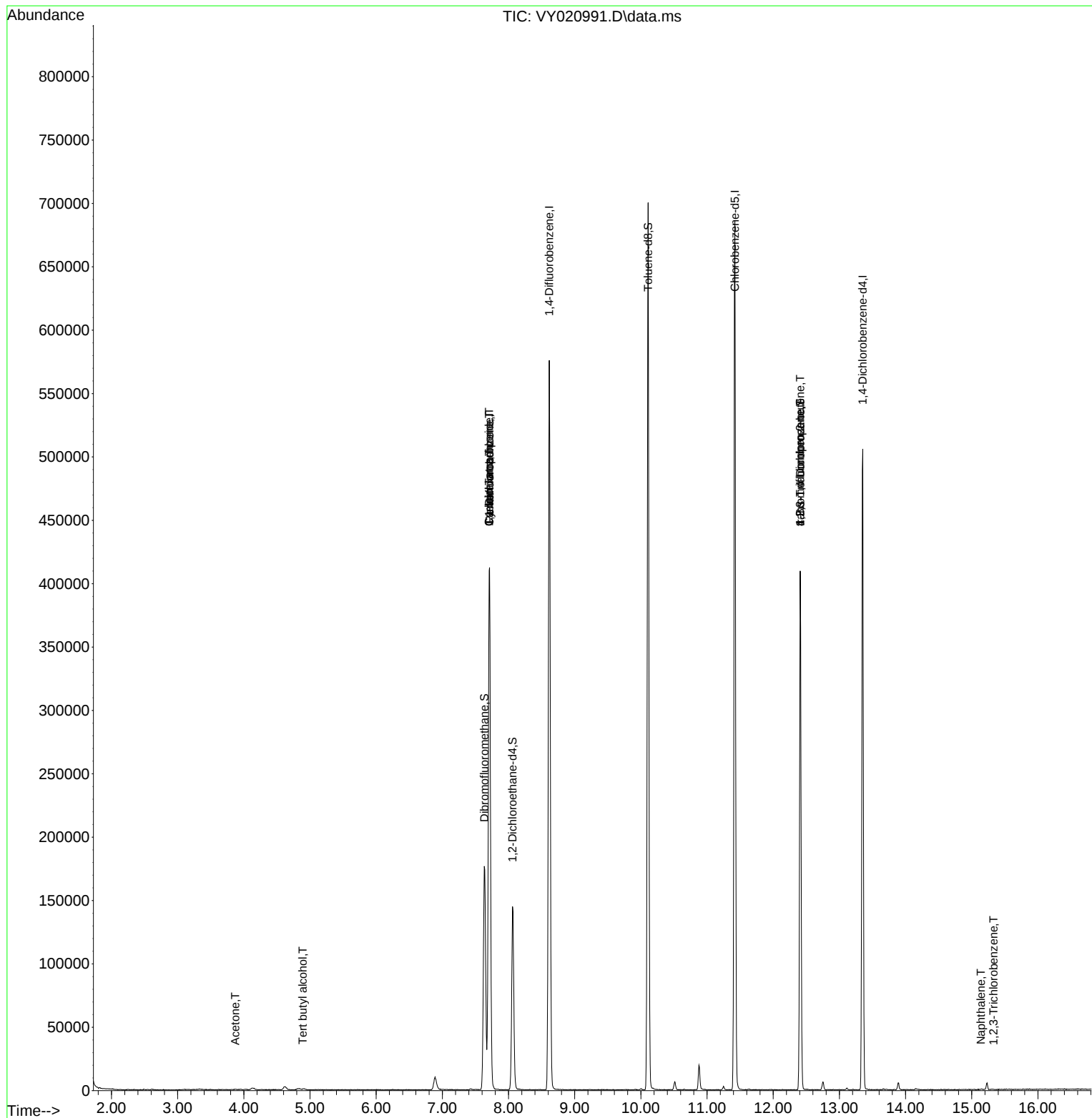
Internal Standards						
1) Pentafluorobenzene	7.713	168	341270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	508611	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	380954	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	136992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	116919	40.239	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.480%
35) Dibromofluoromethane	7.634	113	127198	41.599	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.200%
50) Toluene-d8	10.109	98	460265	38.566	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	77.140%
62) 4-Bromofluorobenzene	12.408	95	122955	30.703	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	61.400%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.891	59	218	1.027	ug/l #	73
16) Acetone	3.873	43	642	1.621	ug/l	99
31) Cyclohexane	7.707	56	5667	1.109	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	23158	5.309	ug/l #	50
38) Carbon Tetrachloride	7.707	117	33101	6.132	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	61483	56.695	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	61483	117.687	ug/l #	15
95) Naphthalene	15.139	128	285	4.055	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.328	180	67	4.523	ug/l #	12

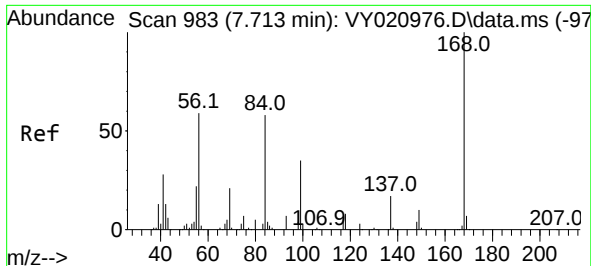
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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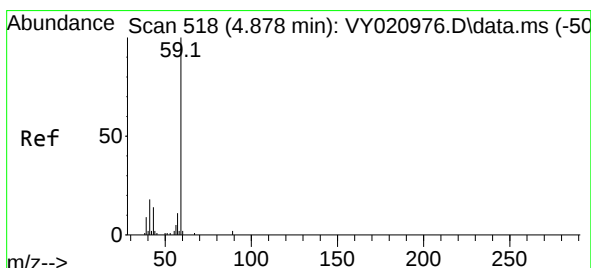
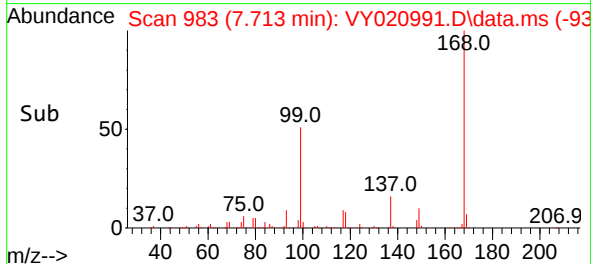
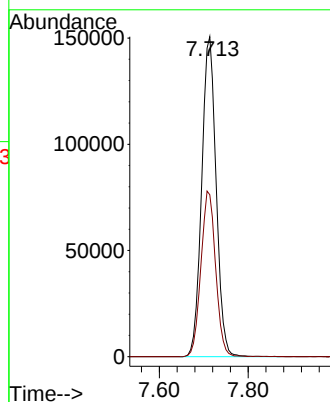
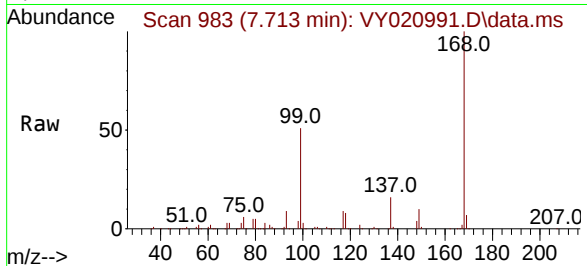




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020991.D
Acq: 30 Jan 2025 17:20

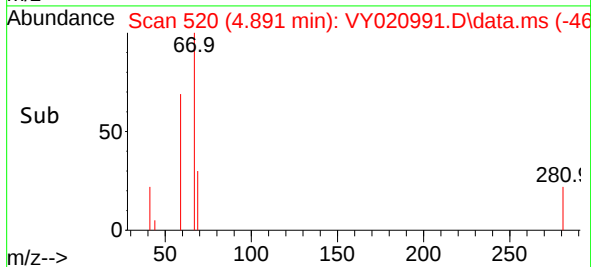
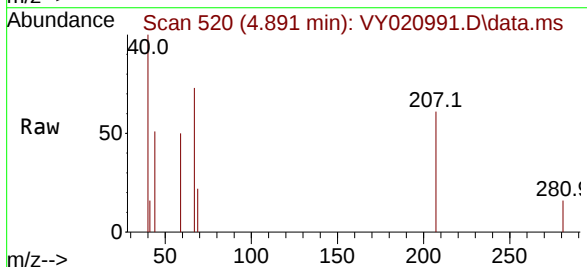
Instrument :
MSVOA_Y
ClientSampleId :

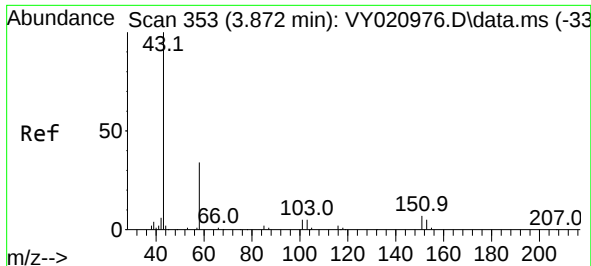
Tgt Ion:168 Resp: 341270
Ion Ratio Lower Upper
168 100
99 50.6 42.2 63.2



#11
Tert butyl alcohol
Concen: 1.027 ug/l
RT: 4.891 min Scan# 520
Delta R.T. 0.013 min
Lab File: VY020991.D
Acq: 30 Jan 2025 17:20

Tgt Ion: 59 Resp: 218
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#16

Acetone

Concen: 1.621 ug/l

RT: 3.873 min Scan# 31

Delta R.T. 0.000 min

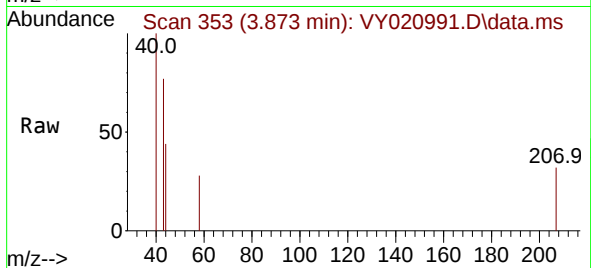
Lab File: VY020991.D

Acq: 30 Jan 2025 17:20

Instrument :

MSVOA_Y

ClientSampleId :

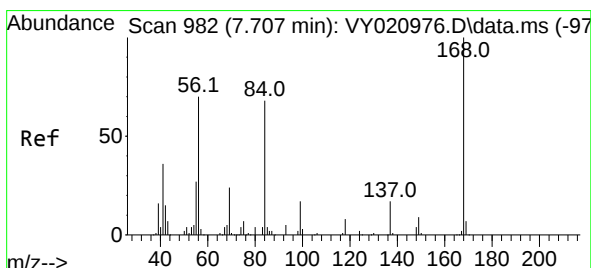
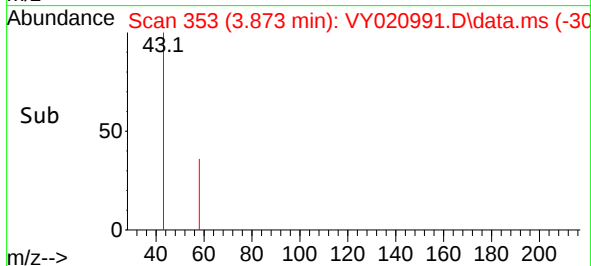
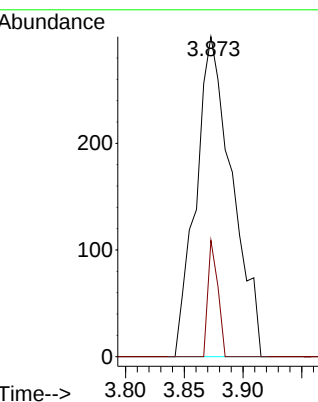


Tgt Ion: 43 Resp: 642

Ion Ratio Lower Upper

43 100

58 36.3 28.4 42.6



#31

Cyclohexane

Concen: 1.109 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.000 min

Lab File: VY020991.D

Acq: 30 Jan 2025 17:20

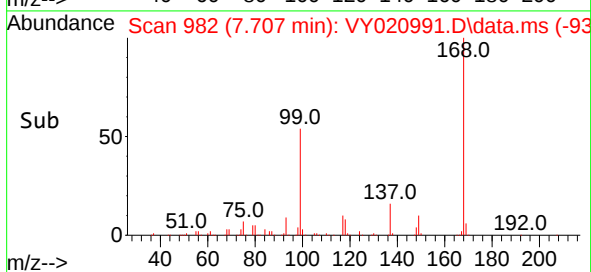
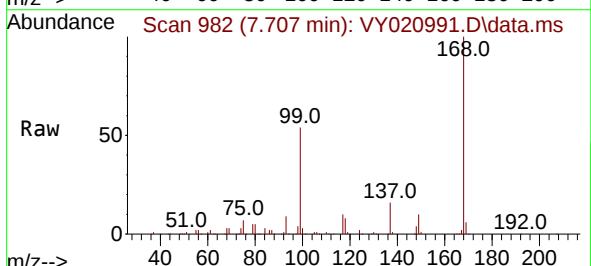
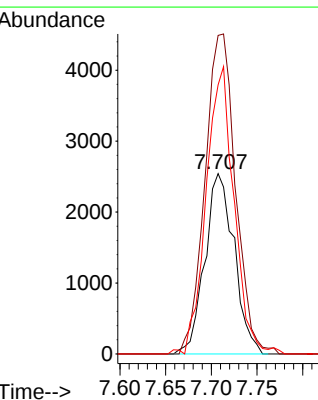
Tgt Ion: 56 Resp: 5667

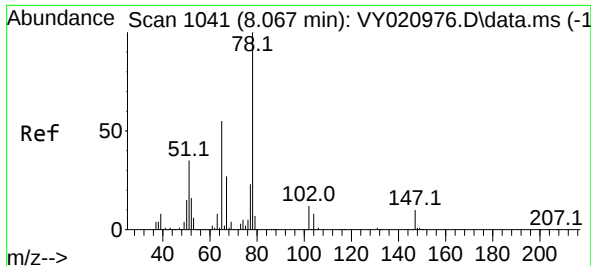
Ion Ratio Lower Upper

56 100

69 176.6 27.7 41.5#

84 149.2 77.5 116.3#





#33

1,2-Dichloroethane-d4

Concen: 40.239 ug/l

RT: 8.061 min Scan# 116919

Delta R.T. -0.006 min

Lab File: VY020991.D

Acq: 30 Jan 2025 17:20

Instrument :

MSVOA_Y

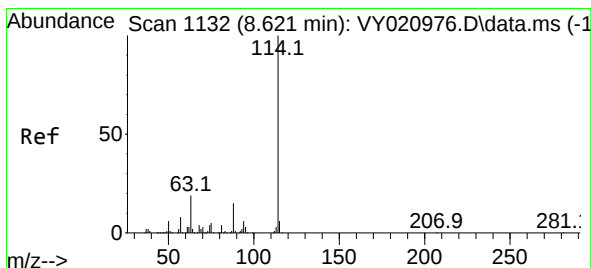
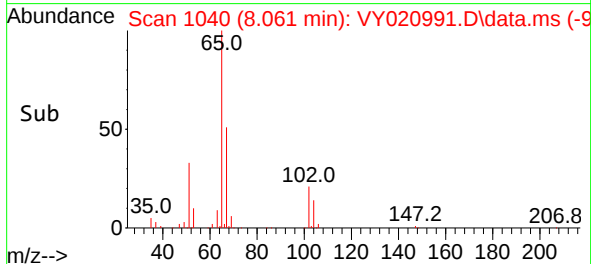
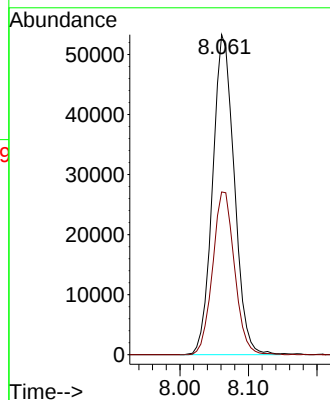
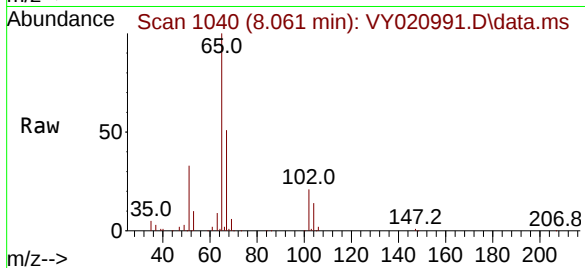
ClientSampleId :

Tgt Ion: 65 Resp: 116919

Ion Ratio Lower Upper

65 100

67 51.4 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: VY020991.D

Acq: 30 Jan 2025 17:20

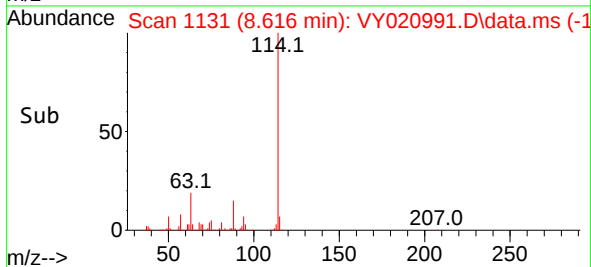
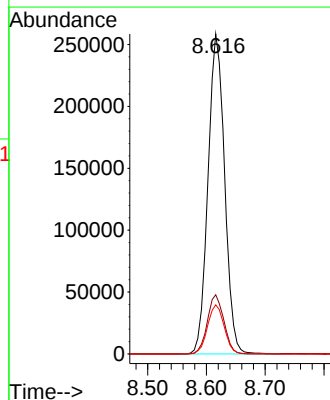
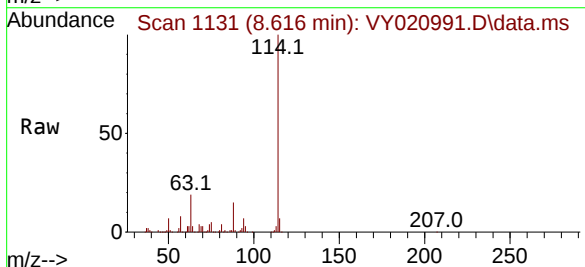
Tgt Ion:114 Resp: 508611

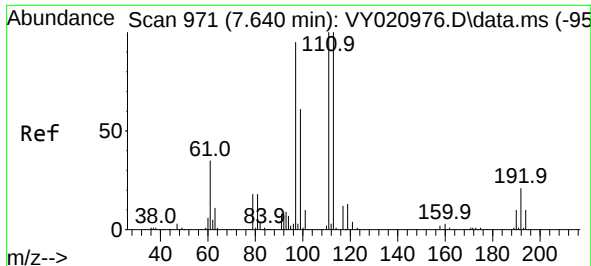
Ion Ratio Lower Upper

114 100

63 18.5 0.0 37.2

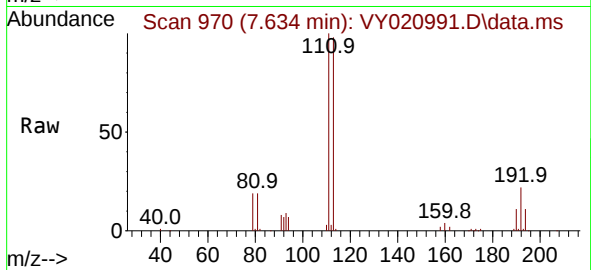
88 15.4 0.0 29.6



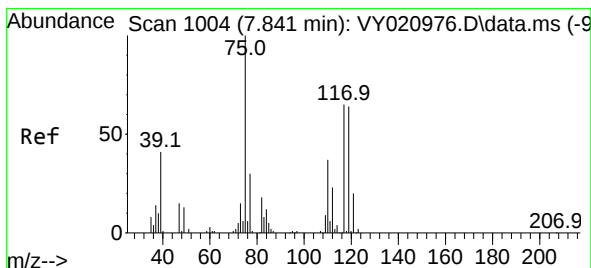
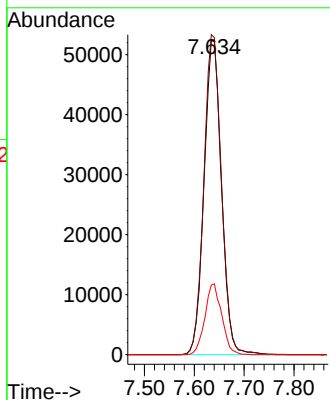
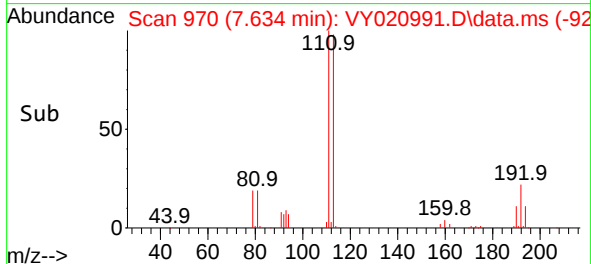


#35
Dibromofluoromethane
Concen: 41.599 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020991.D
Acq: 30 Jan 2025 17:20

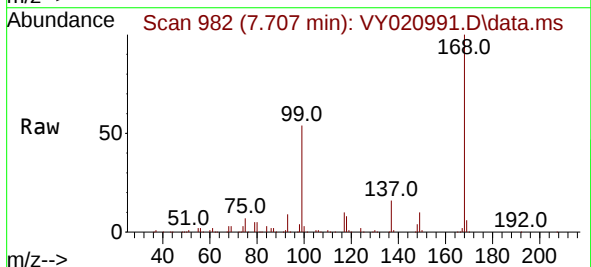
Instrument :
MSVOA_Y
ClientSampleId :



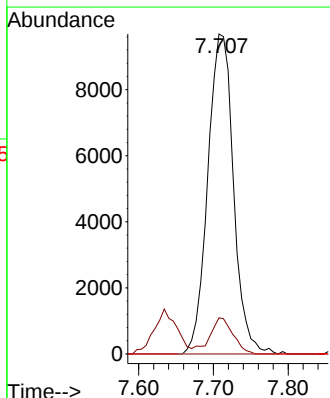
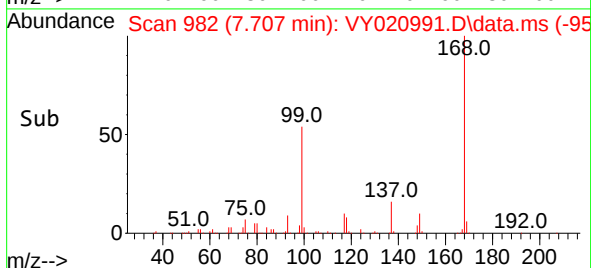
Tgt Ion:113 Resp: 127198
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 21.7 16.8 25.2

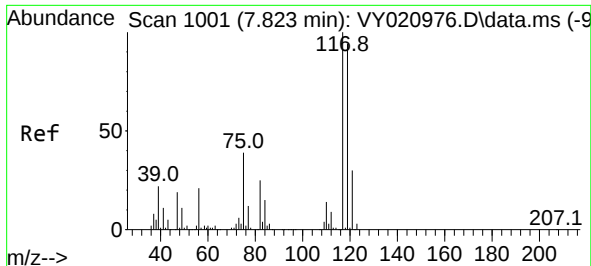


#36
1,1-Dichloropropene
Concen: 5.309 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY020991.D
Acq: 30 Jan 2025 17:20



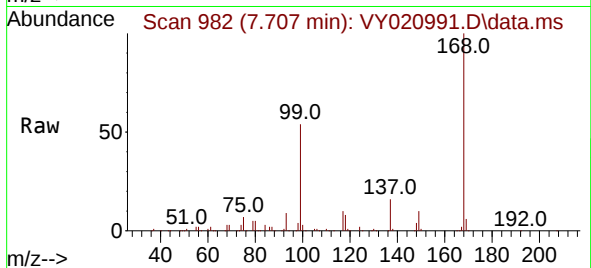
Tgt Ion: 75 Resp: 23158
Ion Ratio Lower Upper
75 100
110 10.2 18.4 55.2#
77 0.0 24.9 37.3#



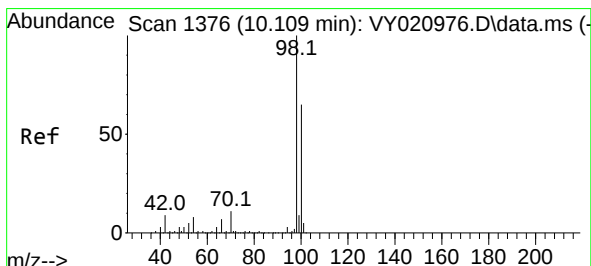
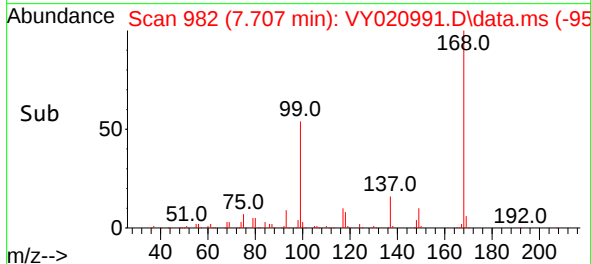
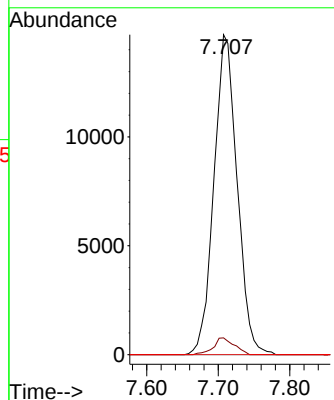


#38
Carbon Tetrachloride
Concen: 6.132 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY020991.D
Acq: 30 Jan 2025 17:20

Instrument :
MSVOA_Y
ClientSampleId :

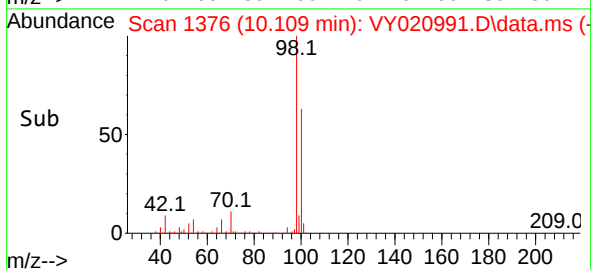
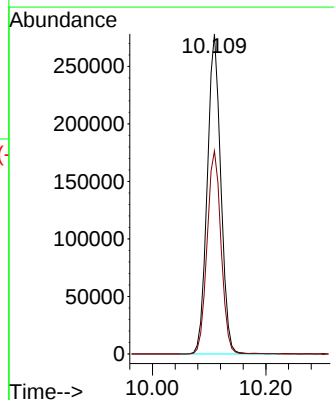
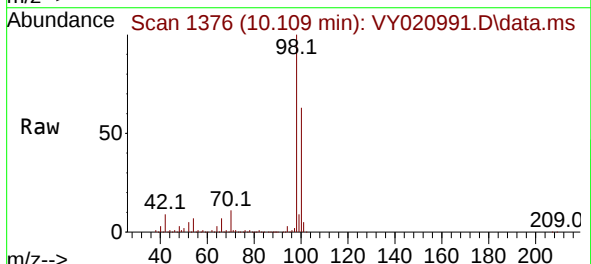


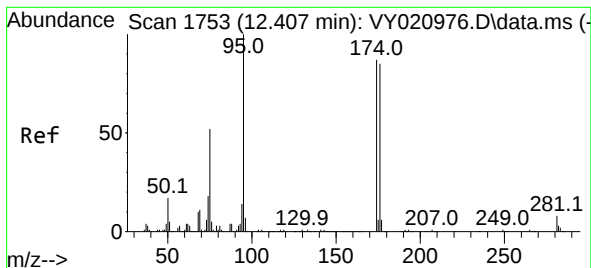
Tgt Ion:117 Resp: 33101
Ion Ratio Lower Upper
117 100
119 5.3 75.0 112.6#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 38.566 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY020991.D
Acq: 30 Jan 2025 17:20

Tgt Ion: 98 Resp: 460265
Ion Ratio Lower Upper
98 100
100 65.4 52.6 79.0

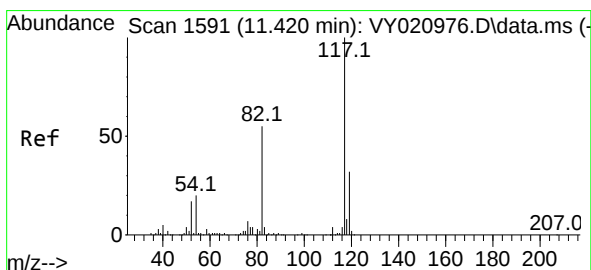
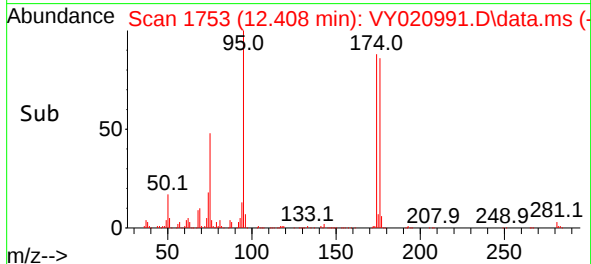
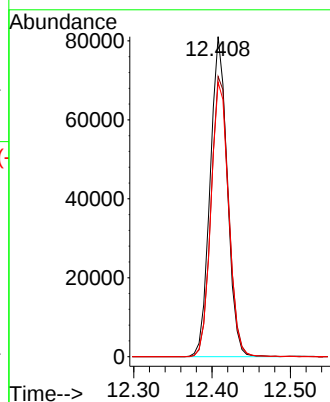
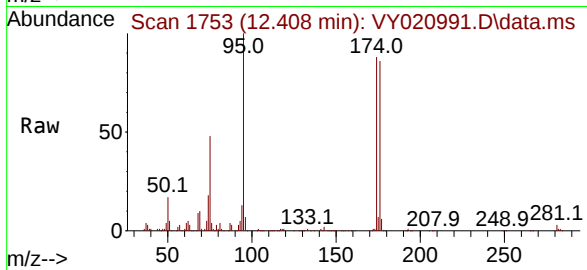




#62
4-Bromofluorobenzene
Concen: 30.703 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020991.D
Acq: 30 Jan 2025 17:20

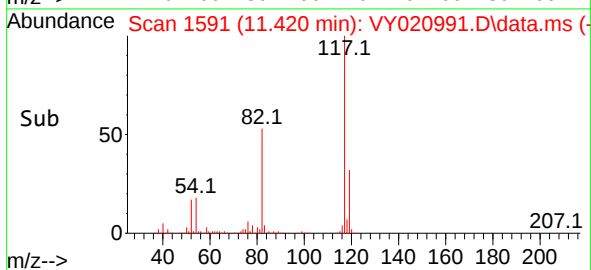
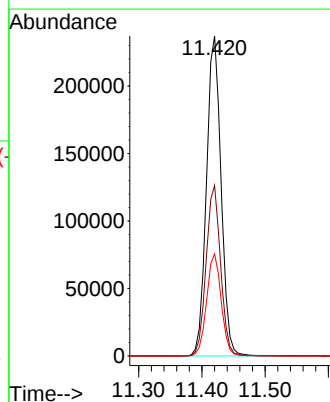
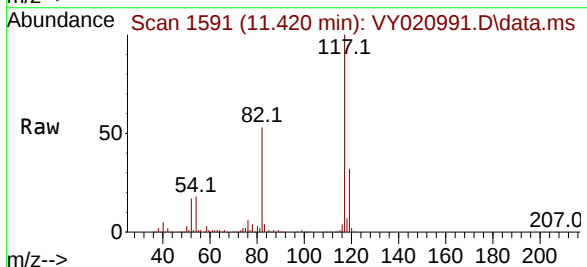
Instrument :
MSVOA_Y
ClientSampleId :

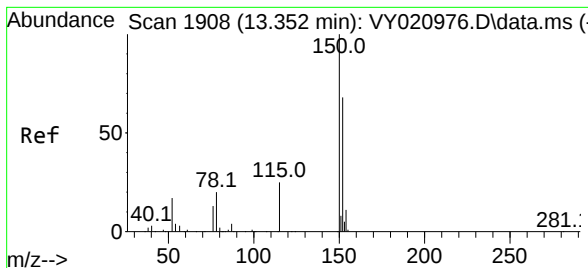
Tgt Ion: 95 Resp: 122955
Ion Ratio Lower Upper
95 100
174 90.2 0.0 181.2
176 88.3 0.0 175.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY020991.D
Acq: 30 Jan 2025 17:20

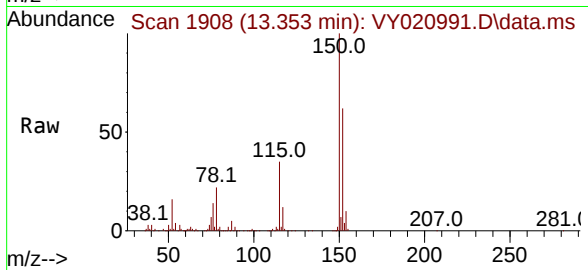
Tgt Ion: 117 Resp: 380954
Ion Ratio Lower Upper
117 100
82 53.3 44.2 66.2
119 31.9 25.9 38.9





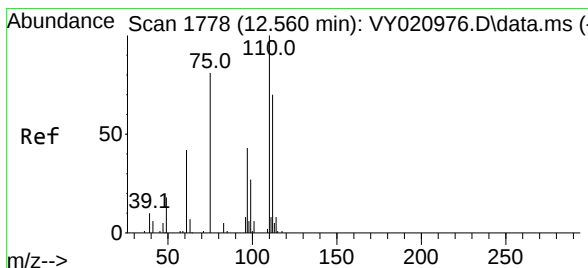
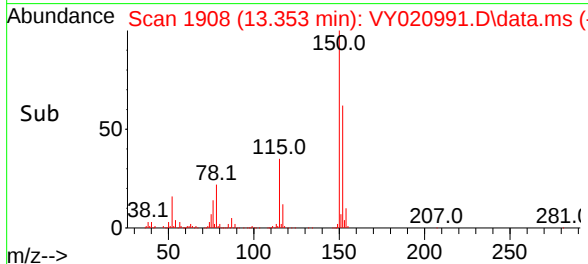
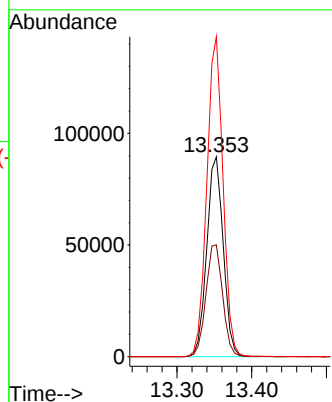
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VY020991.D
 Acq: 30 Jan 2025 17:20

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:152 Resp: 136992

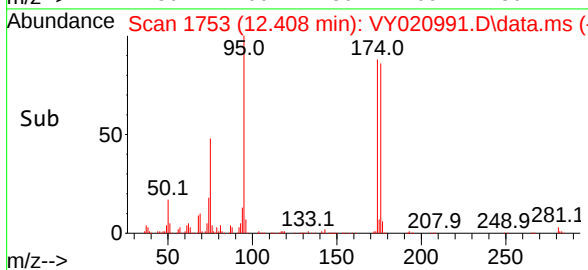
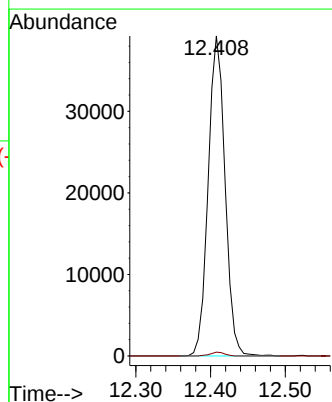
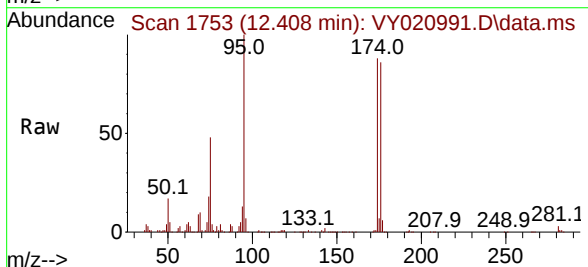
Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.4	85.2
150	157.2	0.0	342.8

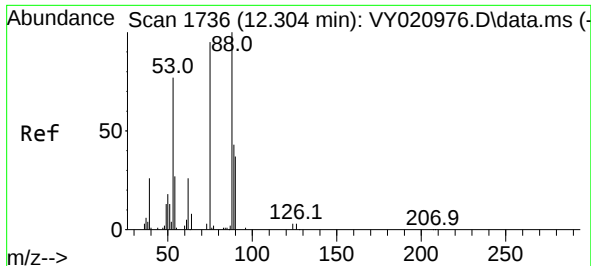


#76
 1,2,3-Trichloropropane
 Concen: 56.695 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY020991.D
 Acq: 30 Jan 2025 17:20

Tgt Ion: 75 Resp: 61483

Ion	Ratio	Lower	Upper
75	100		
77	1.0	0.0	0.0#

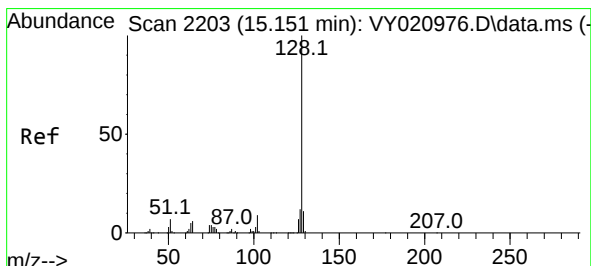
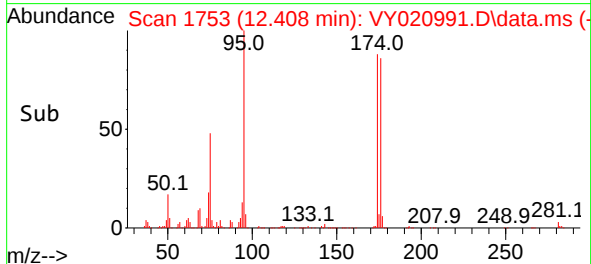
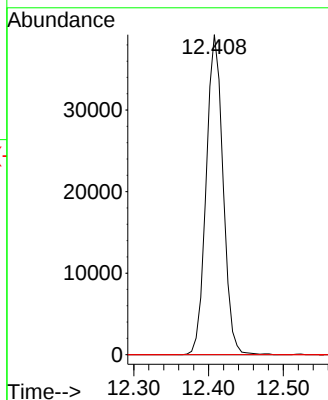
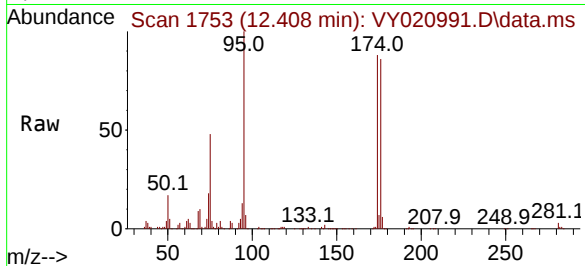




#81
trans-1,4-Dichloro-2-butene
Concen: 117.687 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY020991.D
Acq: 30 Jan 2025 17:20

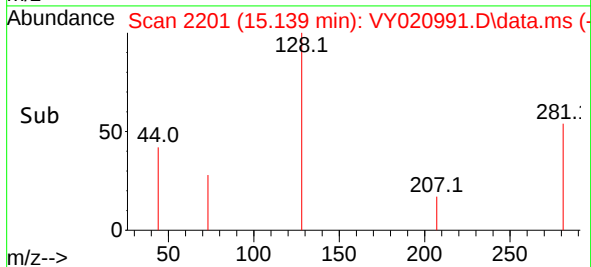
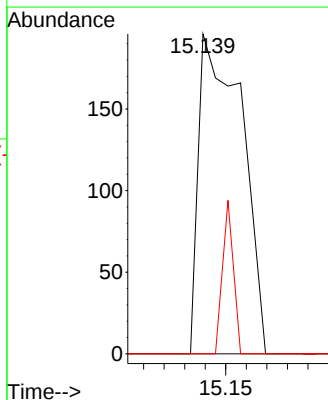
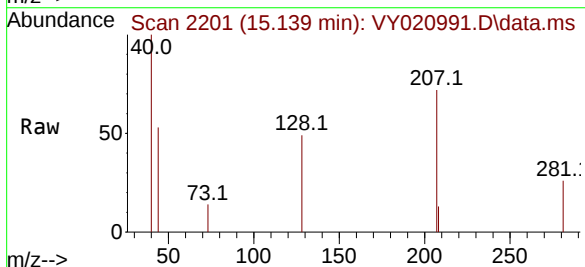
Instrument :
MSVOA_Y
ClientSampleId :

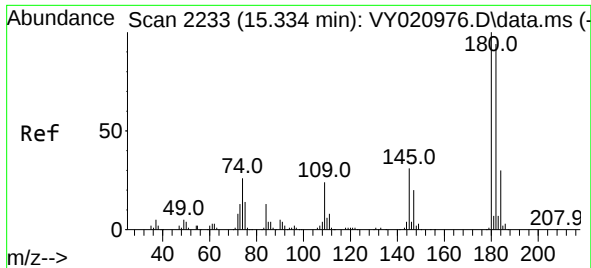
Tgt Ion: 75 Resp: 61483
Ion Ratio Lower Upper
75 100
53 0.0 68.6 103.0#
89 0.0 38.1 57.1#



#95
Naphthalene
Concen: 4.055 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.012 min
Lab File: VY020991.D
Acq: 30 Jan 2025 17:20

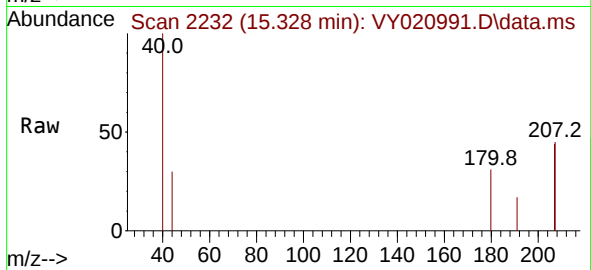
Tgt Ion:128 Resp: 285
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 11.9 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 4.523 ug/l
 RT: 15.328 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY020991.D
 Acq: 30 Jan 2025 17:20

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 67
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.7 143.1#
 145 0.0 15.6 46.7#

