

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022042.D
 Acq On : 28 Apr 2025 19:23
 Operator : SY/MD
 Sample : Q1902-01
 Misc : 5.40g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 343

Quant Time: Apr 29 03:56:25 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)

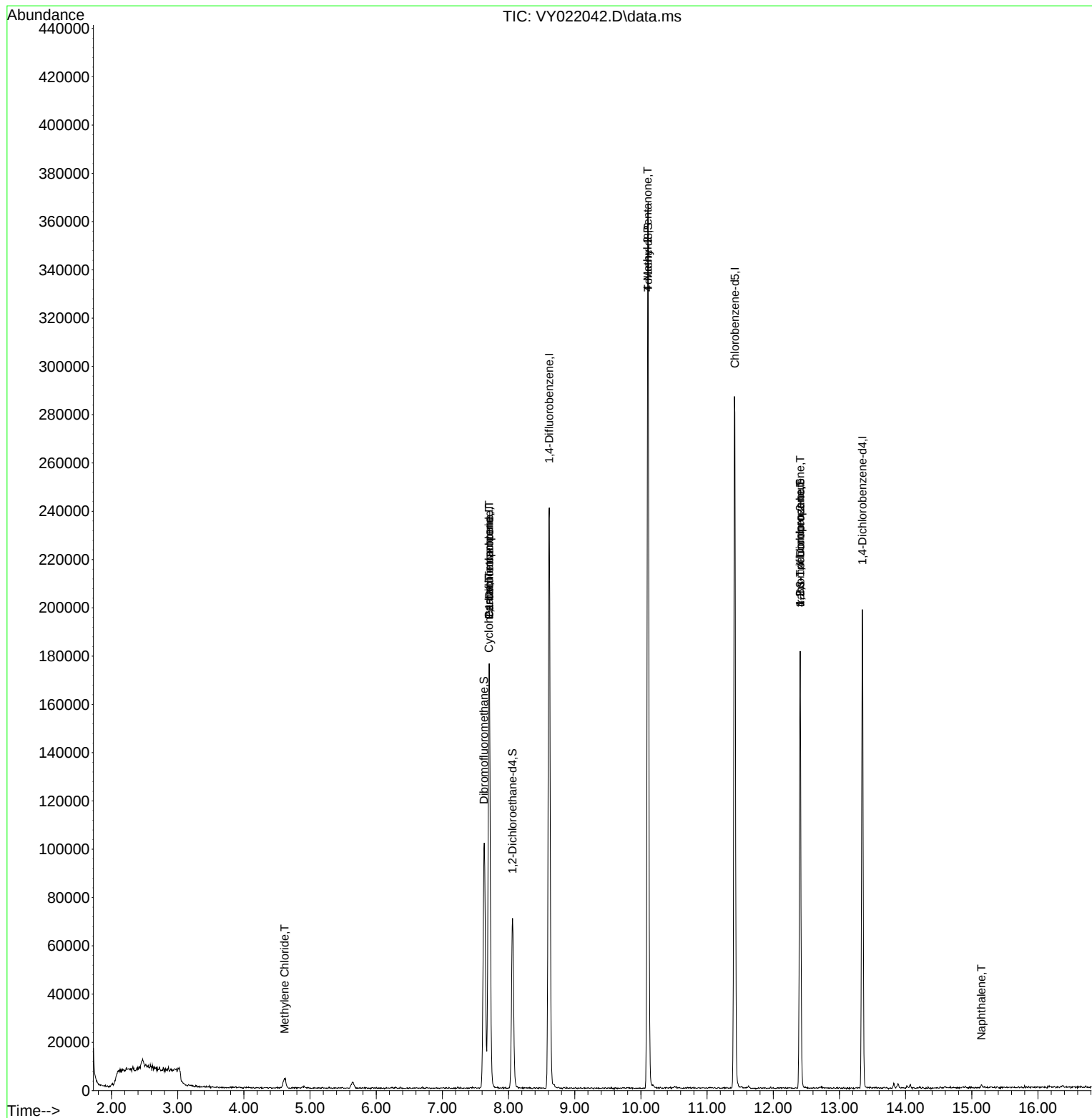
Internal Standards						
1) Pentafluorobenzene	7.707	168	140504	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	219948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	165757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	53405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	56281	43.366	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.740%
35) Dibromofluoromethane	7.628	113	73577	50.635	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.260%
50) Toluene-d8	10.109	98	250927	45.805	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.620%
62) 4-Bromofluorobenzene	12.407	95	54604	29.609	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	59.220%
Target Compounds						
16) Acetone	3.860	43	570	Below Cal	#	41
20) Methylene Chloride	4.616	84	3285	2.002	ug/l #	93
31) Cyclohexane	7.701	56	2772	1.292	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	10227	5.240	ug/l #	49
38) Carbon Tetrachloride	7.707	117	13850	5.938	ug/l #	22
51) 4-Methyl-2-Pentanone	10.103	43	948	1.343	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	26761	58.502	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	26761	140.881	ug/l #	16
95) Naphthalene	15.145	128	1560	1.038	ug/l #	76

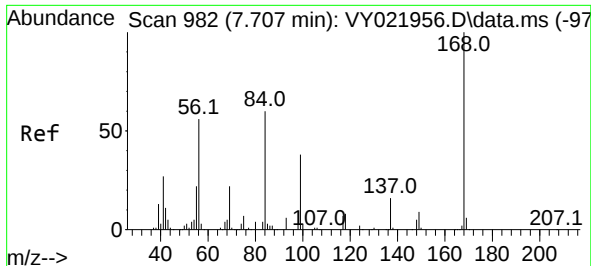
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
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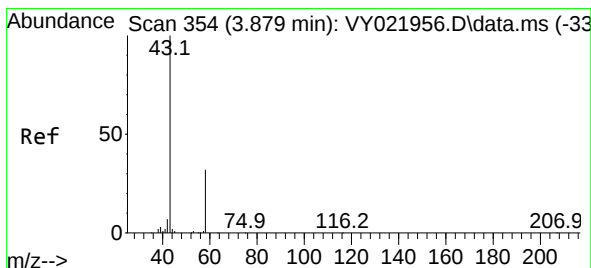
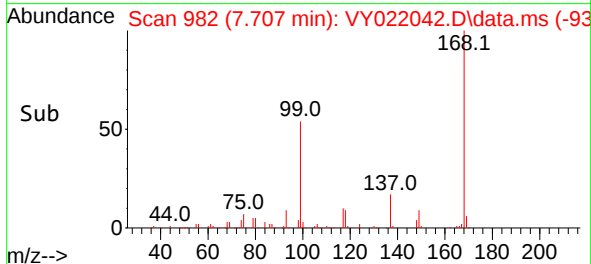
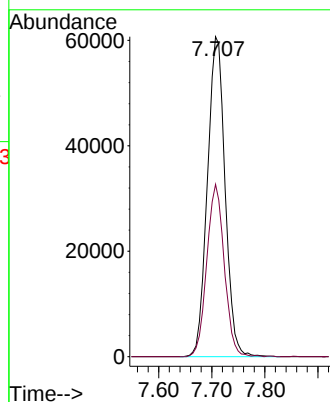
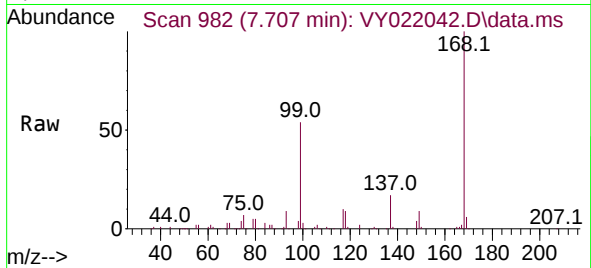




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022042.D
Acq: 28 Apr 2025 19:23

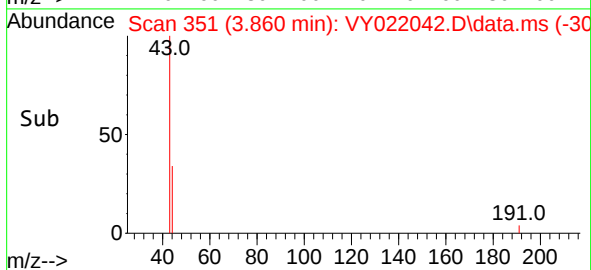
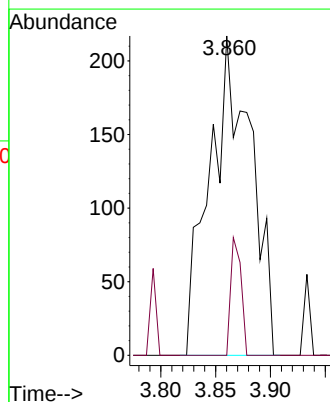
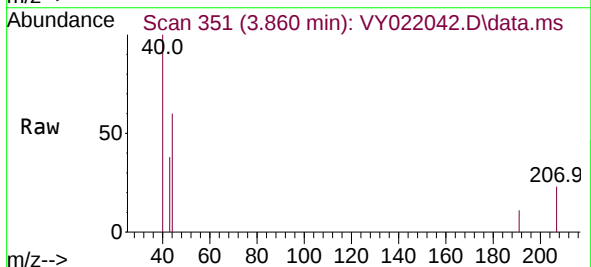
Instrument :
MSVOA_Y
ClientSampleId :
343

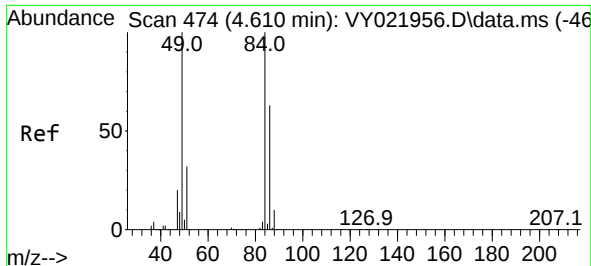
Tgt Ion:168 Resp: 140504
Ion Ratio Lower Upper
168 100
99 53.8 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.860 min Scan# 351
Delta R.T. -0.019 min
Lab File: VY022042.D
Acq: 28 Apr 2025 19:23

Tgt Ion: 43 Resp: 570
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

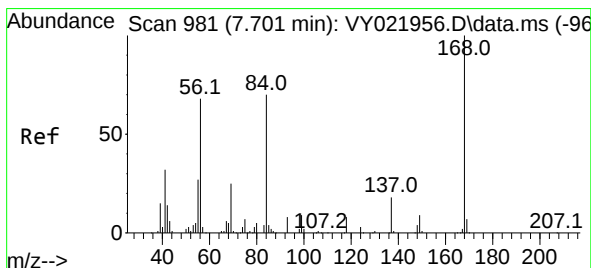
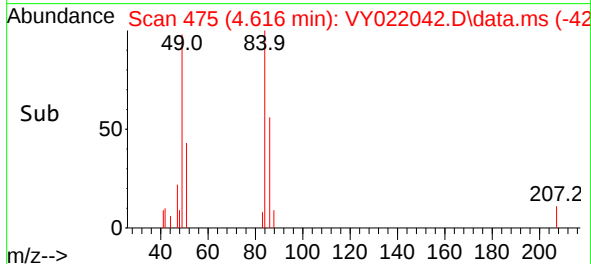
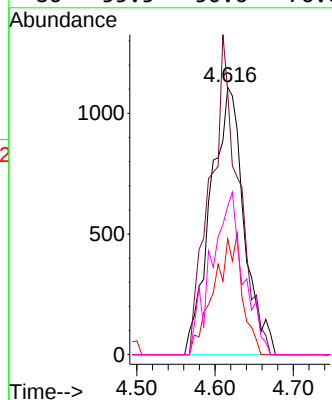
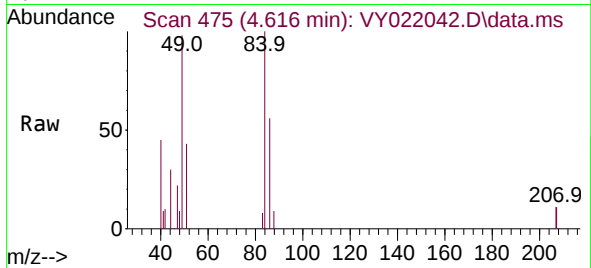




#20
Methylene Chloride
Concen: 2.002 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY022042.D
Acq: 28 Apr 2025 19:23

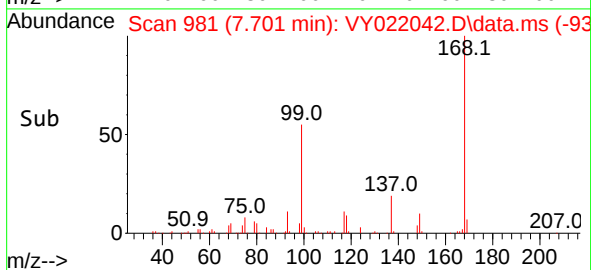
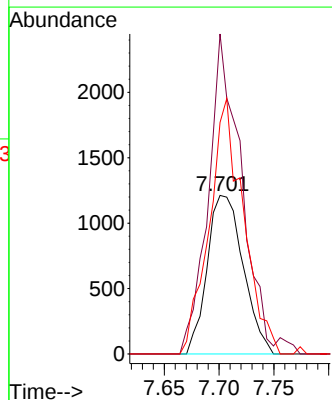
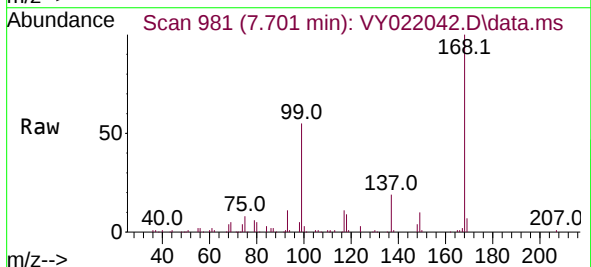
Instrument :
MSVOA_Y
ClientSampleId :
343

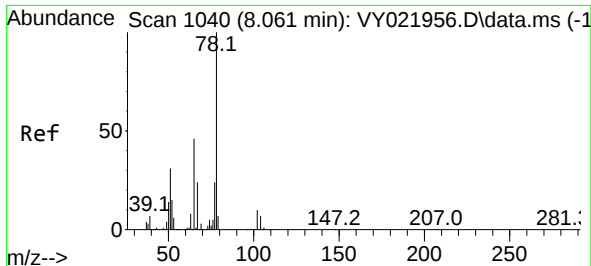
Tgt Ion:	84	Resp:	3285
Ion	Ratio	Lower	Upper
84	100		
49	98.5	79.9	119.9
51	43.3	25.4	38.0#
86	55.5	50.6	76.0



#31
Cyclohexane
Concen: 1.292 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022042.D
Acq: 28 Apr 2025 19:23

Tgt Ion:	56	Resp:	2772
Ion	Ratio	Lower	Upper
56	100		
69	201.8	29.4	44.2#
84	146.0	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 43.366 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022042.D

Acq: 28 Apr 2025 19:23

Instrument :

MSVOA_Y

ClientSampleId :

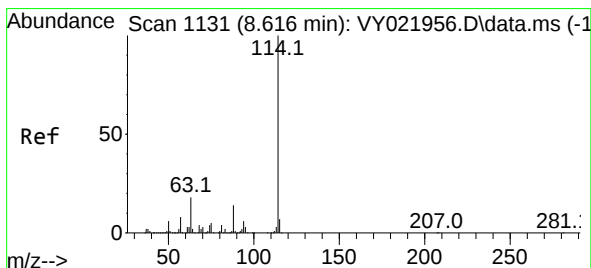
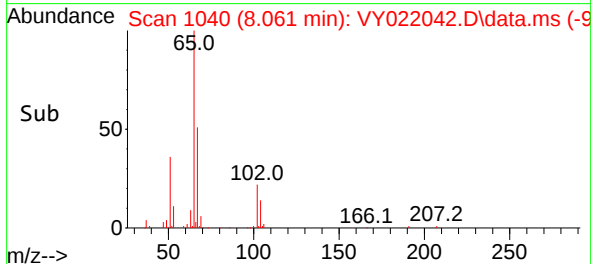
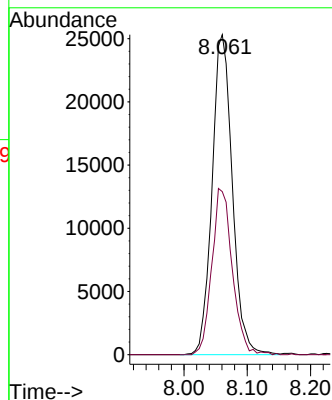
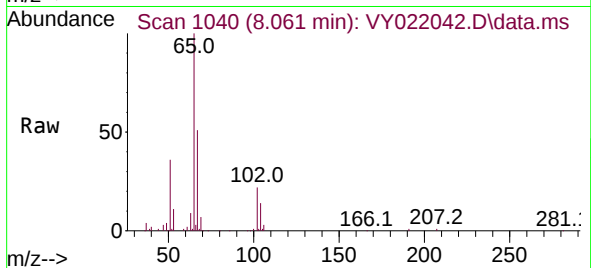
343

Tgt Ion: 65 Resp: 56281

Ion Ratio Lower Upper

65 100

67 52.5 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: VY022042.D

Acq: 28 Apr 2025 19:23

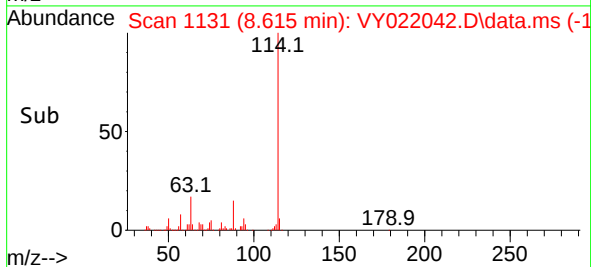
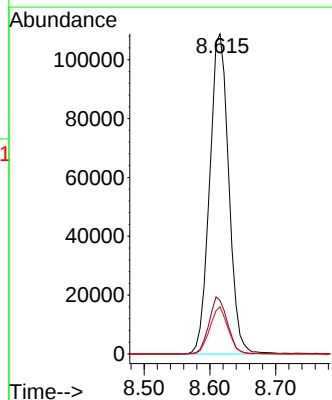
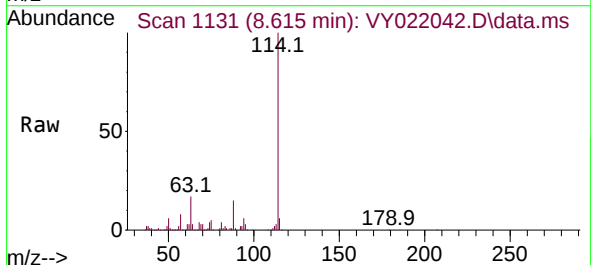
Tgt Ion: 114 Resp: 219948

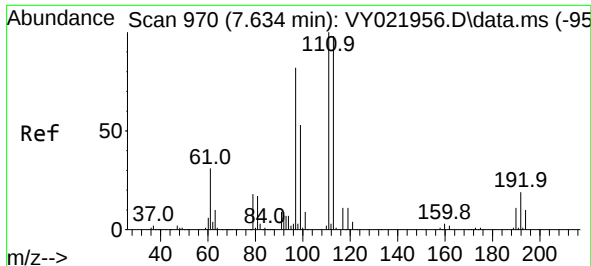
Ion Ratio Lower Upper

114 100

63 16.7 0.0 35.4

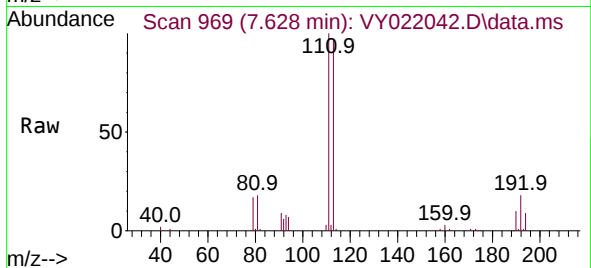
88 14.8 0.0 28.2



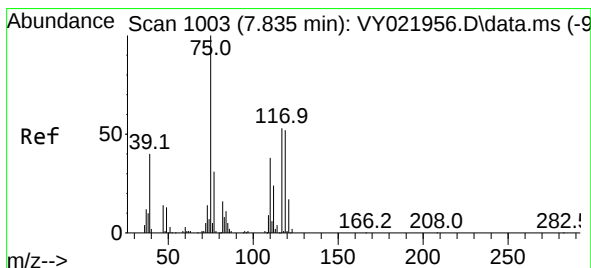
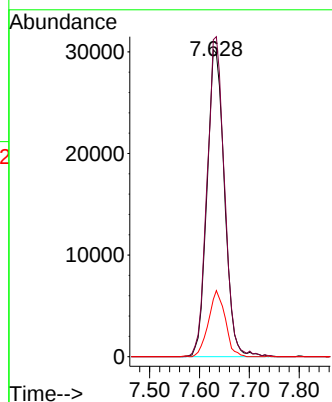
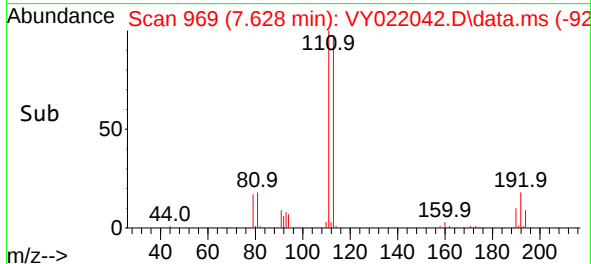


#35
Dibromofluoromethane
Concen: 50.635 ug/l
RT: 7.628 min Scan# 913
Delta R.T. -0.006 min
Lab File: VY022042.D
Acq: 28 Apr 2025 19:23

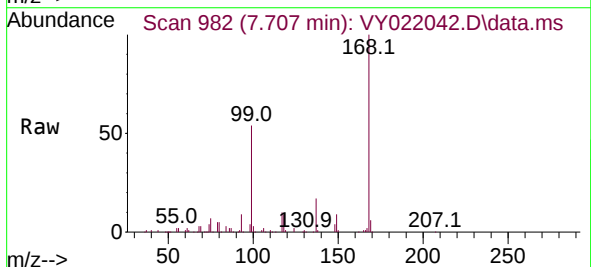
Instrument :
MSVOA_Y
ClientSampleId :
343



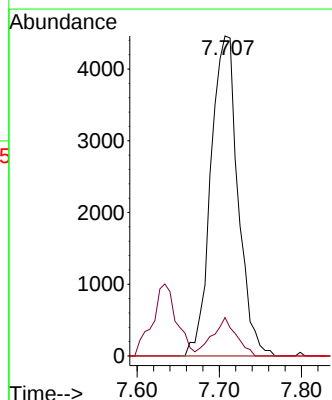
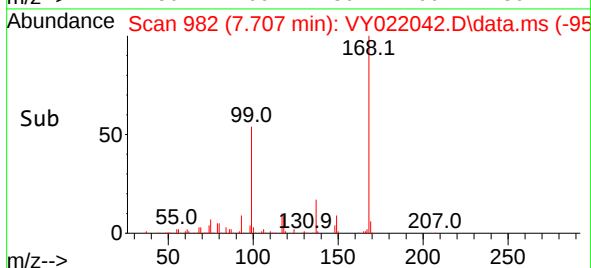
Tgt Ion: 113 Resp: 73577
Ion Ratio Lower Upper
113 100
111 103.5 81.8 122.8
192 20.6 15.6 23.4

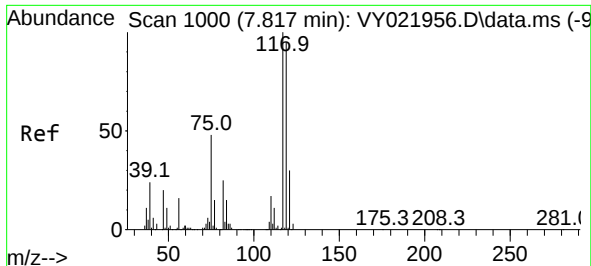


#36
1,1-Dichloropropene
Concen: 5.240 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022042.D
Acq: 28 Apr 2025 19:23



Tgt Ion: 75 Resp: 10227
Ion Ratio Lower Upper
75 100
110 10.5 19.1 57.3#
77 0.0 25.5 38.3#

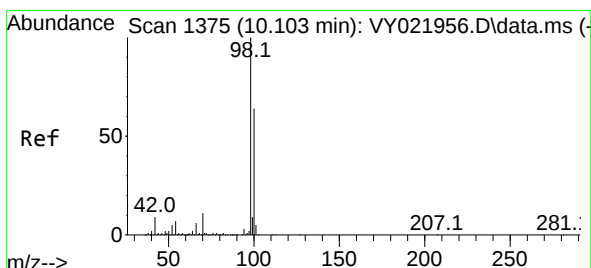
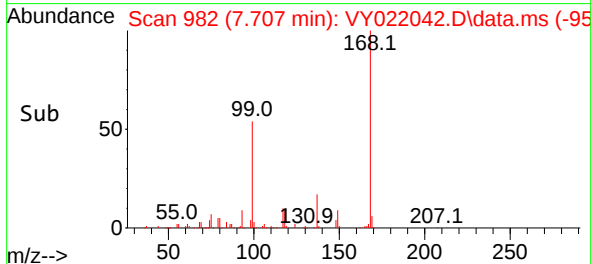
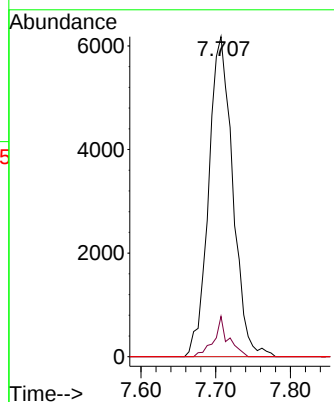
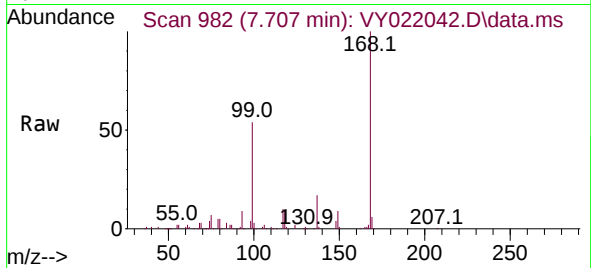




#38
Carbon Tetrachloride
Concen: 5.938 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022042.D
Acq: 28 Apr 2025 19:23

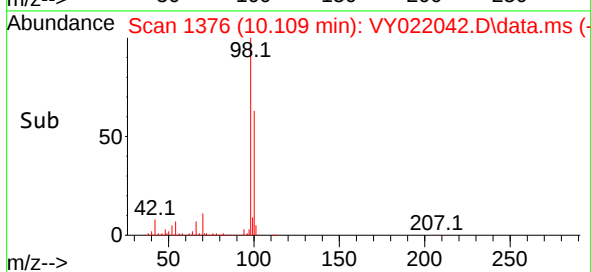
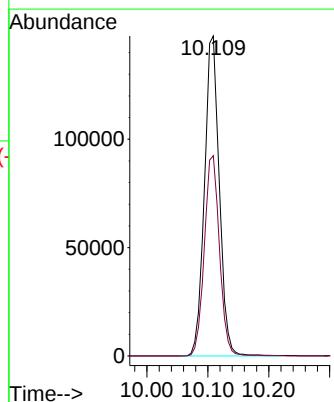
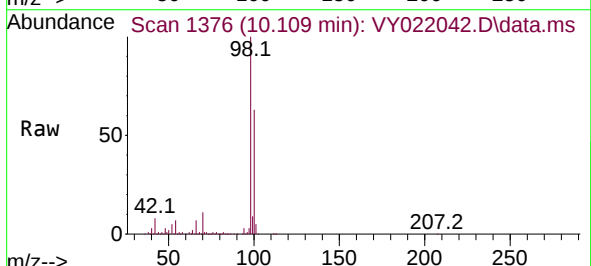
Instrument :
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ClientSampleId :
343

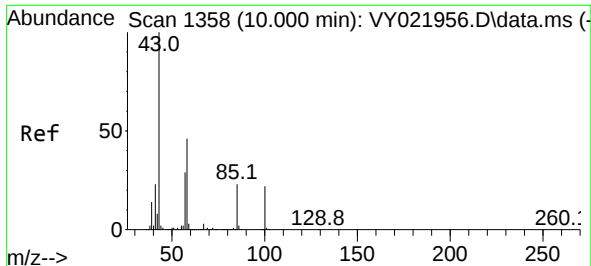
Tgt Ion:117 Resp: 13850
Ion Ratio Lower Upper
117 100
119 12.6 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 45.805 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022042.D
Acq: 28 Apr 2025 19:23

Tgt Ion: 98 Resp: 250927
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4

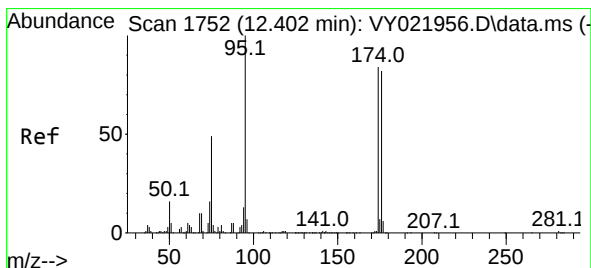
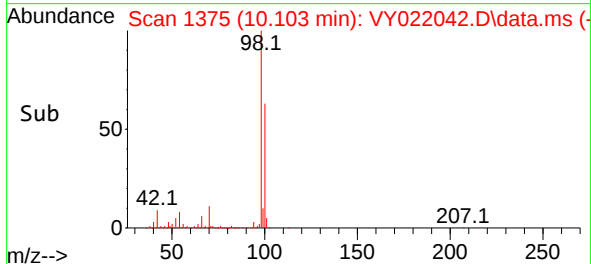
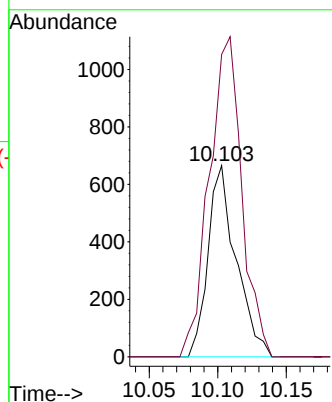
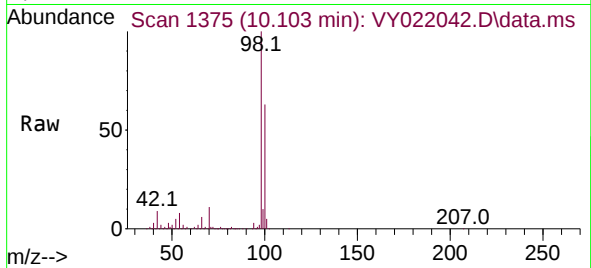




#51
4-Methyl-2-Pentanone
Concen: 1.343 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY022042.D
Acq: 28 Apr 2025 19:23

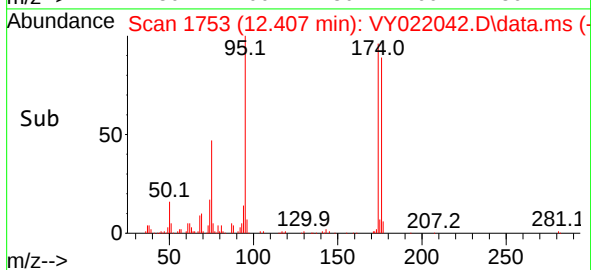
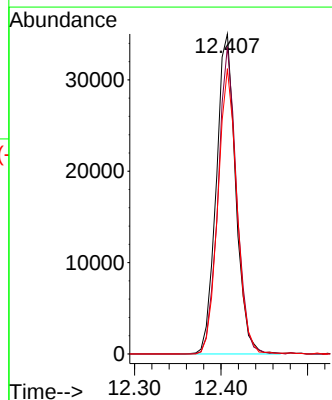
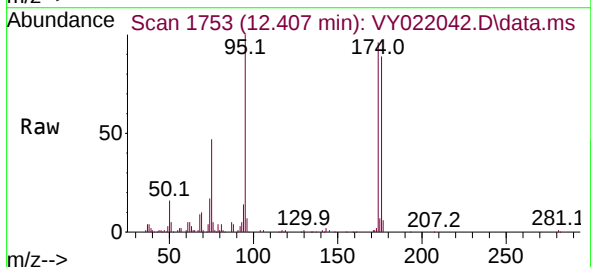
Instrument :
MSVOA_Y
ClientSampleId :
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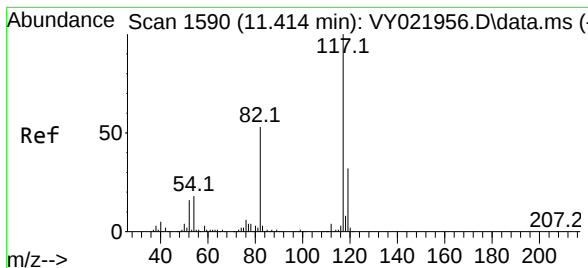
Tgt Ion: 43 Resp: 948
Ion Ratio Lower Upper
43 100
58 194.3 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 29.609 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022042.D
Acq: 28 Apr 2025 19:23

Tgt Ion: 95 Resp: 54604
Ion Ratio Lower Upper
95 100
174 91.8 0.0 179.0
176 87.3 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 117

Delta R.T. 0.006 min

Lab File: VY022042.D

Acq: 28 Apr 2025 19:23

Instrument :

MSVOA_Y

ClientSampleId :

343

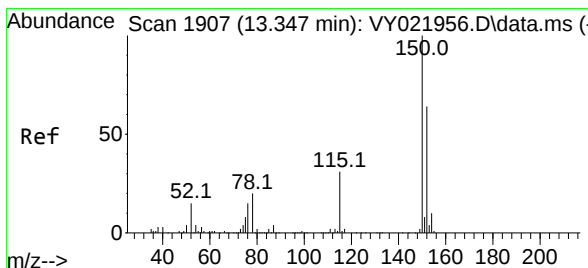
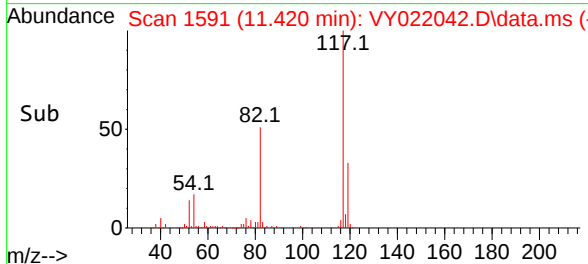
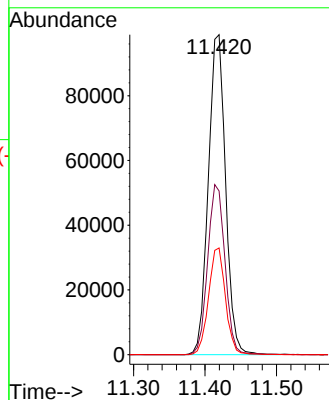
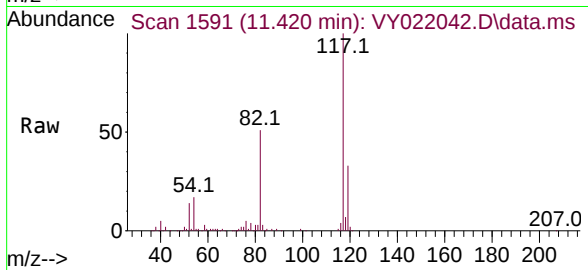
Tgt Ion:117 Resp: 165757

Ion Ratio Lower Upper

117 100

82 51.1 42.1 63.1

119 33.4 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: VY022042.D

Acq: 28 Apr 2025 19:23

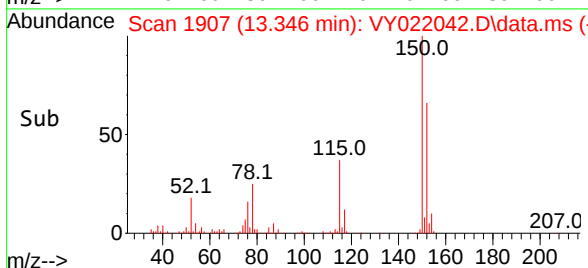
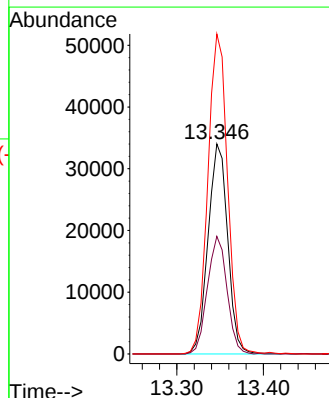
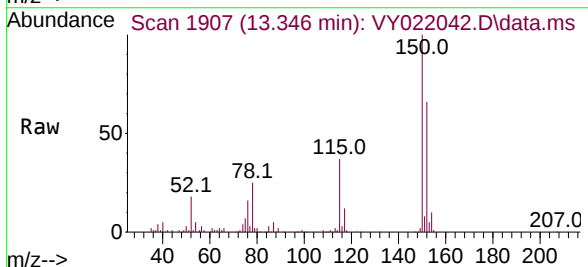
Tgt Ion:152 Resp: 53405

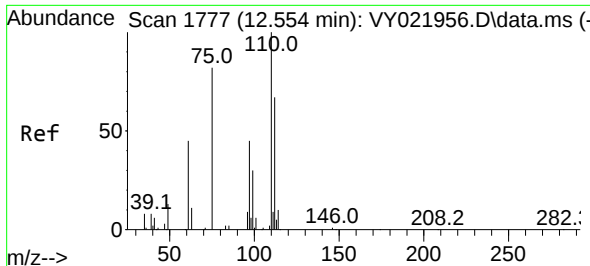
Ion Ratio Lower Upper

152 100

115 55.9 28.0 84.0

150 152.7 0.0 345.6

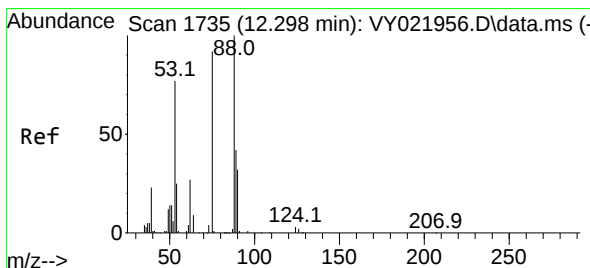
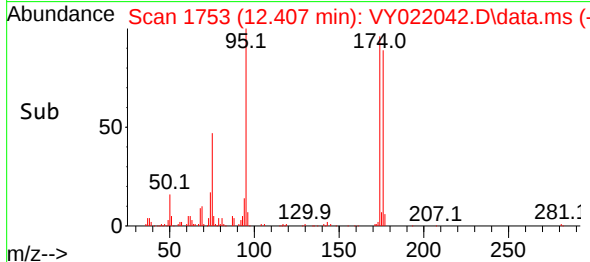
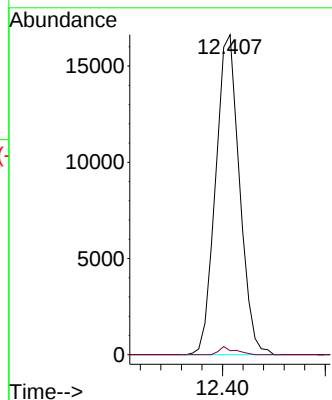
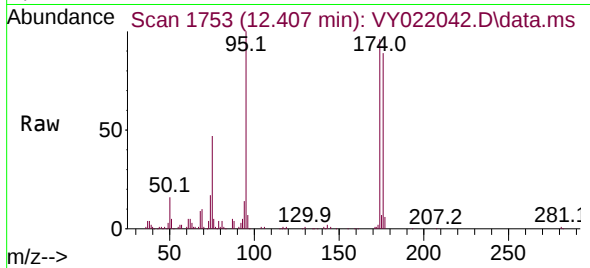




#76
1,2,3-Trichloropropane
Concen: 58.502 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.147 min
Lab File: VY022042.D
Acq: 28 Apr 2025 19:23

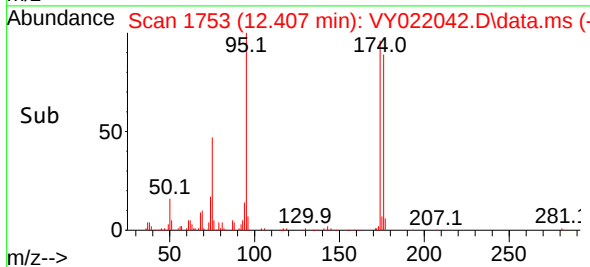
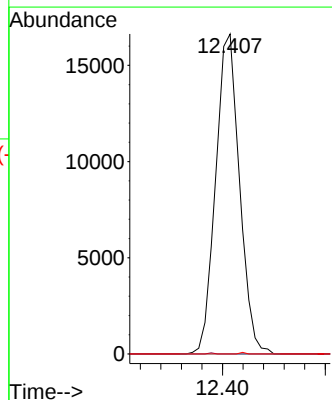
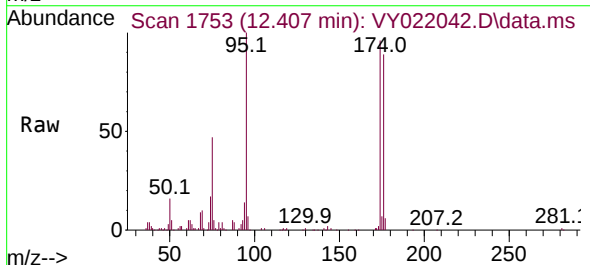
Instrument :
MSVOA_Y
ClientSampleId :
343

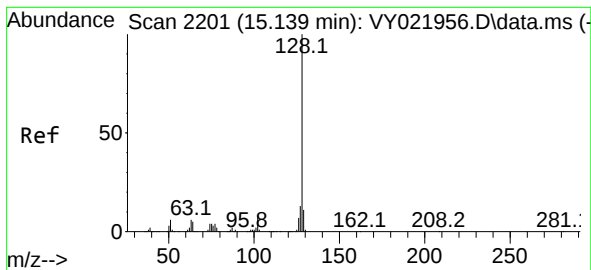
Tgt Ion: 75 Resp: 26761
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 140.881 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.109 min
Lab File: VY022042.D
Acq: 28 Apr 2025 19:23

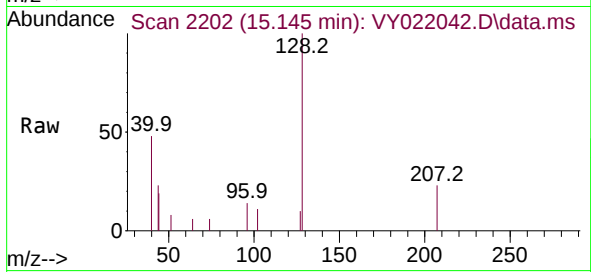
Tgt Ion: 75 Resp: 26761
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.1 37.2 55.8#





#95
 Naphthalene
 Concen: 1.038 ug/l
 RT: 15.145 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY022042.D
 Acq: 28 Apr 2025 19:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 343



Tgt Ion:128 Resp: 1560
 Ion Ratio Lower Upper
 128 100
 127 5.5 10.6 16.0#
 129 0.0 8.9 13.3#

