

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022272.D
 Acq On : 15 May 2025 18:19
 Operator : SY/MD
 Sample : Q1982-04
 Misc : 11.69g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: May 16 01:59:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

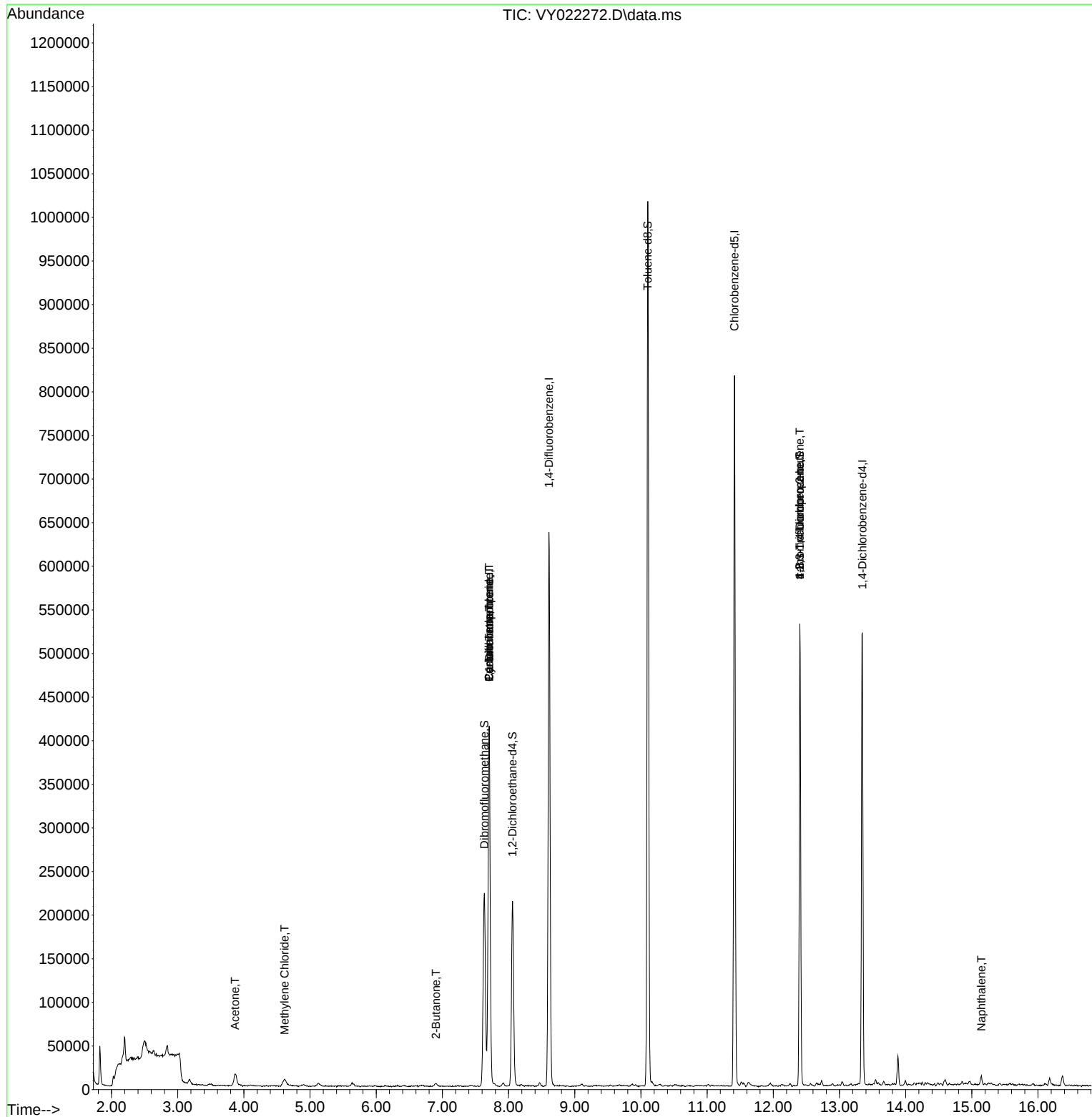
Internal Standards						
1) Pentafluorobenzene	7.707	168	303248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	528458	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	395320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	123883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	158040	47.685	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.380%
35) Dibromofluoromethane	7.634	113	154540	48.996	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.000%
50) Toluene-d8	10.103	98	622264	48.170	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.340%
62) 4-Bromofluorobenzene	12.401	95	146308	35.732	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	71.460%
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	26014	41.861	ug/l	98
20) Methylene Chloride	4.616	84	4459	1.110	ug/l	92
25) 2-Butanone	6.902	43	5190	4.993	ug/l	97
31) Cyclohexane	7.707	56	9772	1.458	ug/l #	41
36) 1,1-Dichloropropene	7.707	75	25831	4.972	ug/l #	52
38) Carbon Tetrachloride	7.707	117	29854	5.551	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	85135	67.833	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	85135	137.413	ug/l #	12
95) Naphthalene	15.145	128	8161	1.981	ug/l #	94

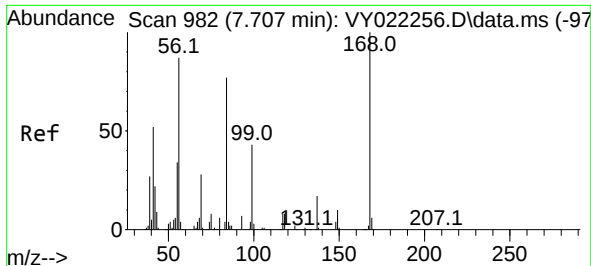
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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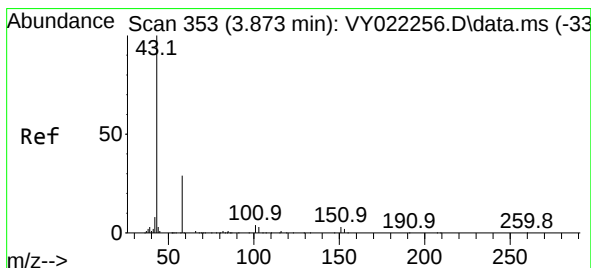
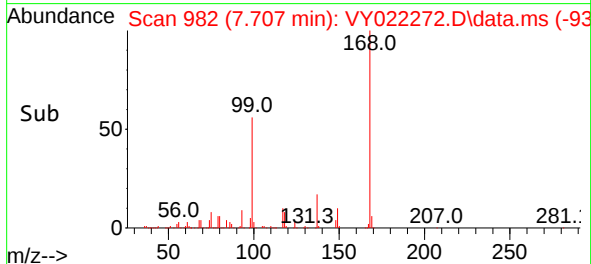
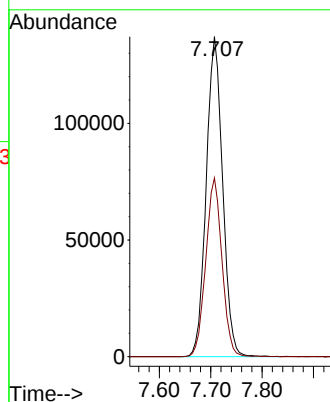
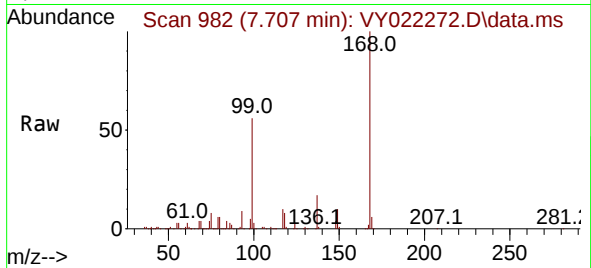




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

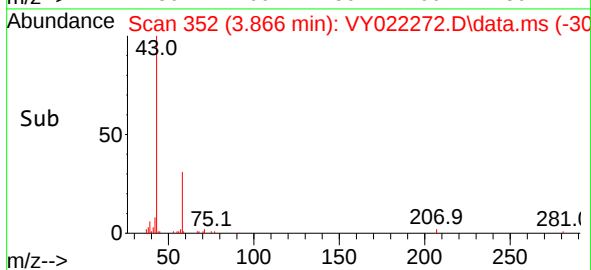
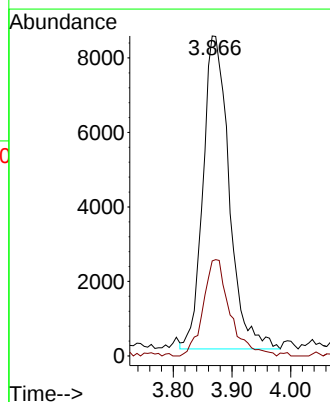
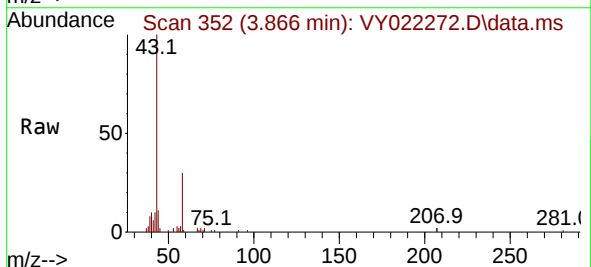
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

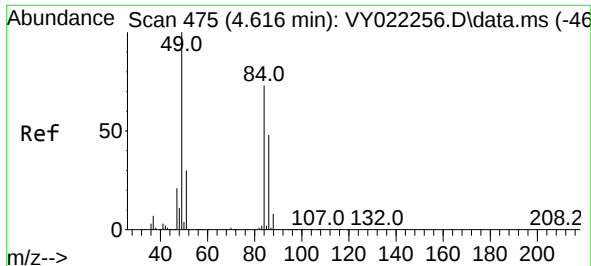
Tgt Ion:168 Resp: 303248
Ion Ratio Lower Upper
168 100
99 55.9 44.2 66.4



#16
Acetone
Concen: 41.861 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

Tgt Ion: 43 Resp: 26014
Ion Ratio Lower Upper
43 100
58 30.4 23.6 35.4

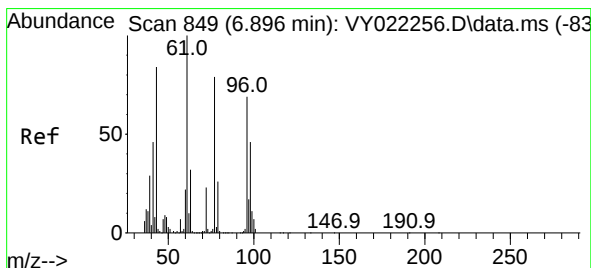
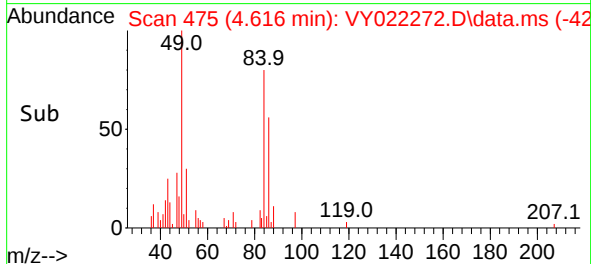
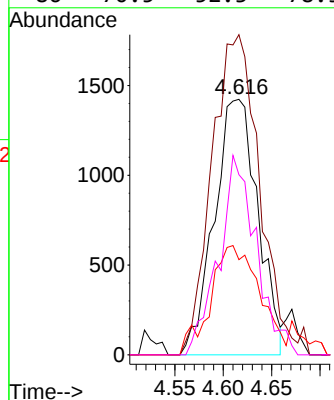
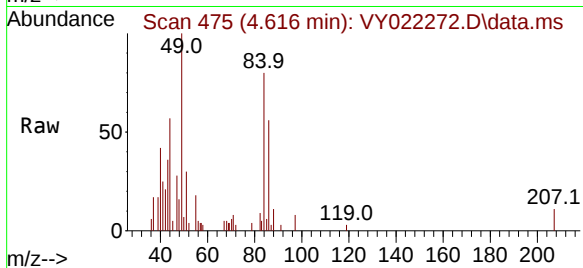




#20
Methylene Chloride
Concen: 1.110 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

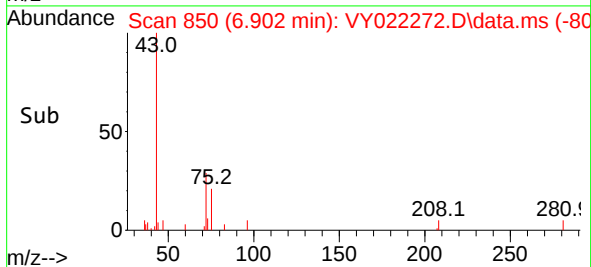
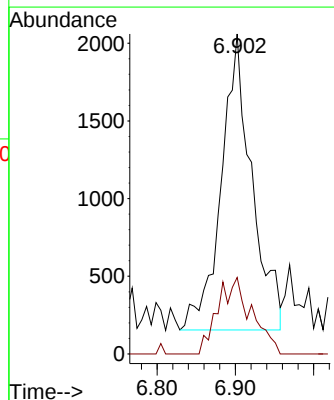
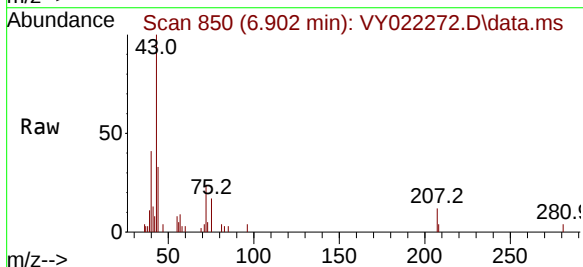
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

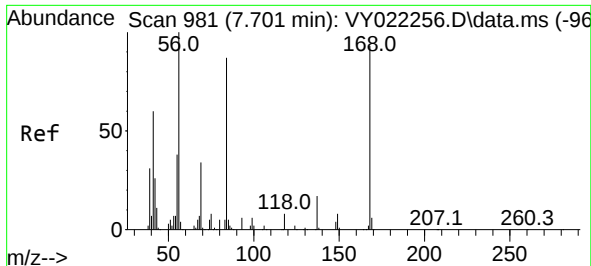
Tgt Ion:	84	Resp:	4459
Ion	Ratio	Lower	Upper
84	100		
49	125.3	109.6	164.4
51	37.2	32.4	48.6
86	70.5	52.3	78.5



#25
2-Butanone
Concen: 4.993 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

Tgt Ion:	43	Resp:	5190
Ion	Ratio	Lower	Upper
43	100		
72	25.8	22.1	33.1

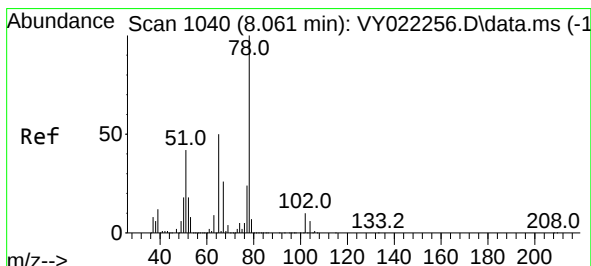
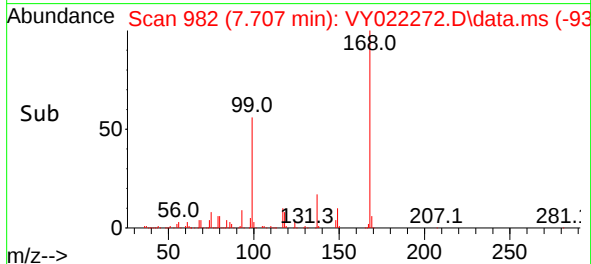
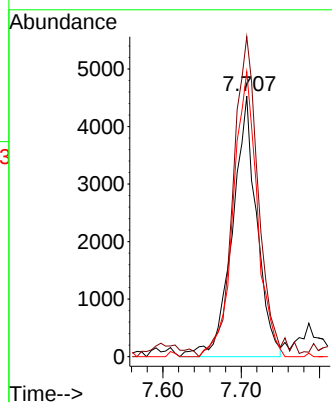
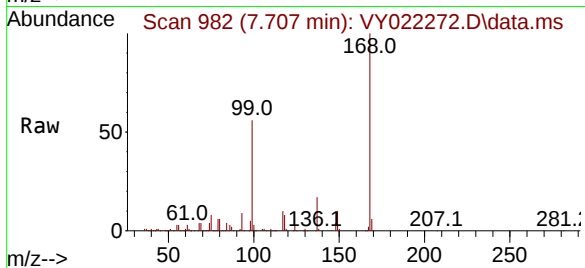




#31
Cyclohexane
Concen: 1.458 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

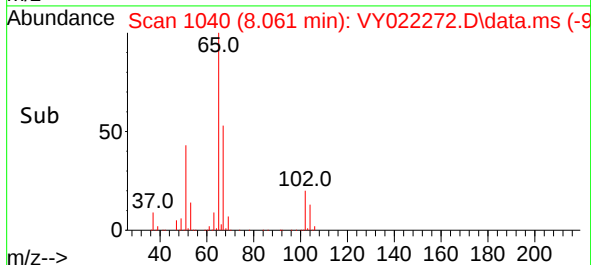
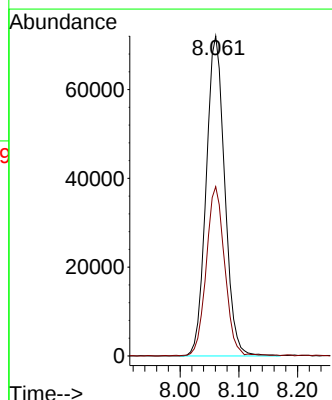
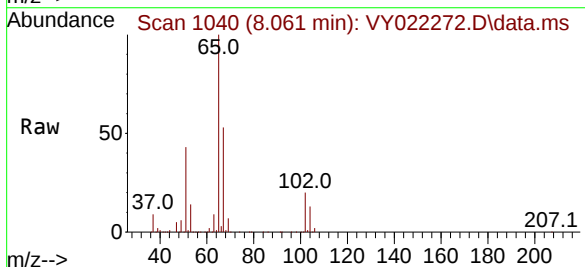
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

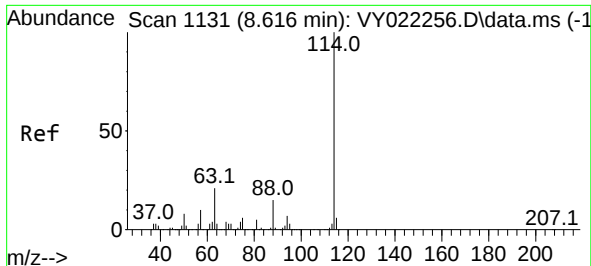
Tgt Ion: 56 Resp: 9772
Ion Ratio Lower Upper
56 100
69 120.3 27.4 41.2#
84 109.3 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 47.685 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

Tgt Ion: 65 Resp: 158040
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.6

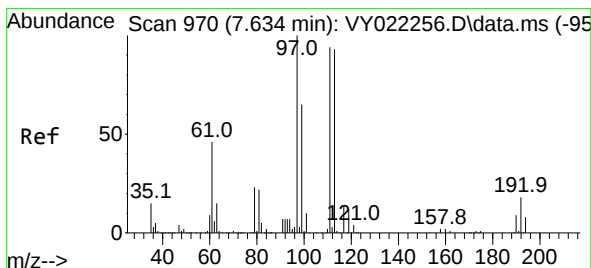
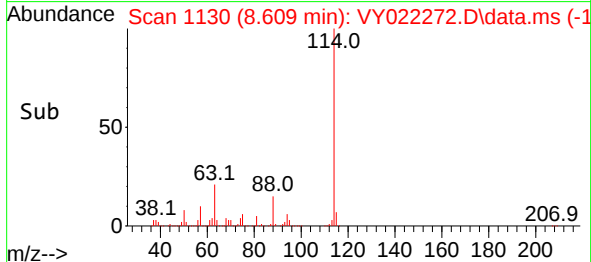
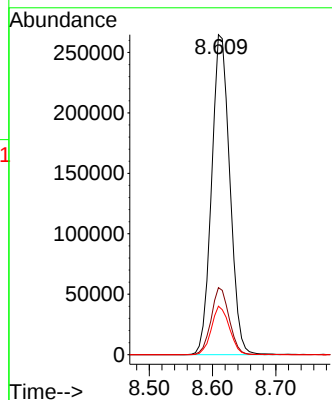
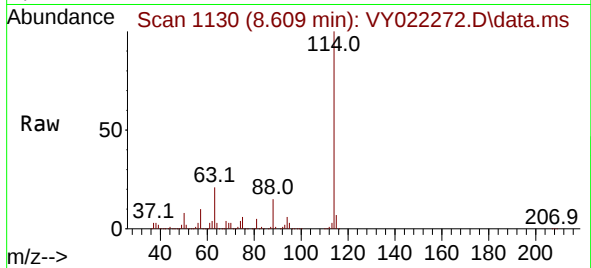




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

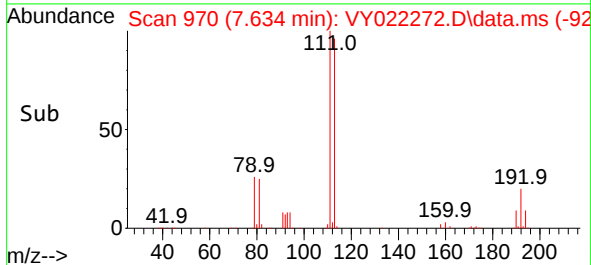
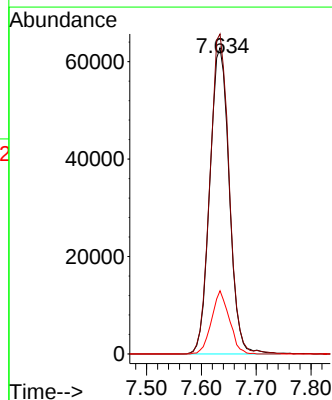
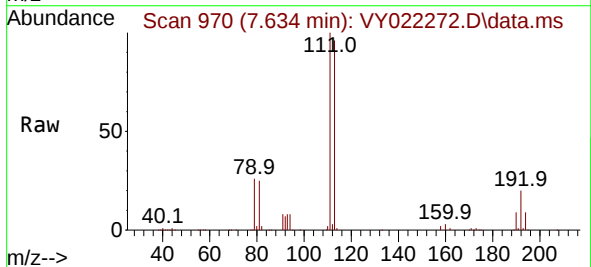
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

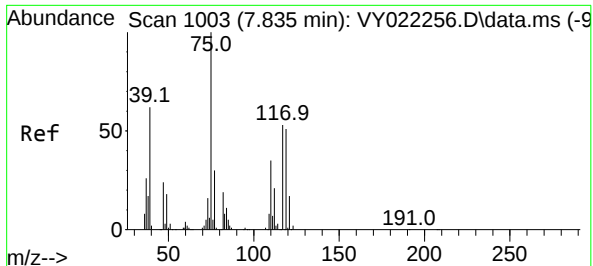
Tgt Ion:114 Resp: 528458
Ion Ratio Lower Upper
114 100
63 21.0 0.0 41.0
88 15.1 0.0 29.4



#35
Dibromofluoromethane
Concen: 48.996 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

Tgt Ion:113 Resp: 154540
Ion Ratio Lower Upper
113 100
111 103.3 82.6 123.8
192 18.9 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.972 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY022272.D

Acq: 15 May 2025 18:19

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

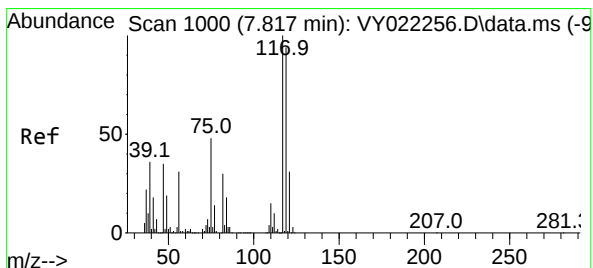
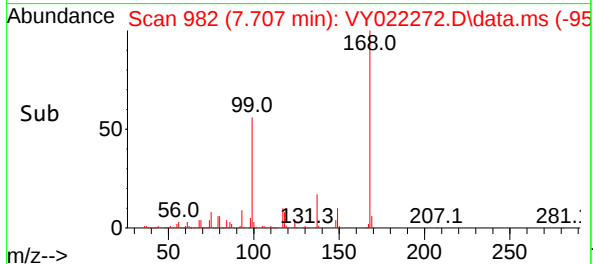
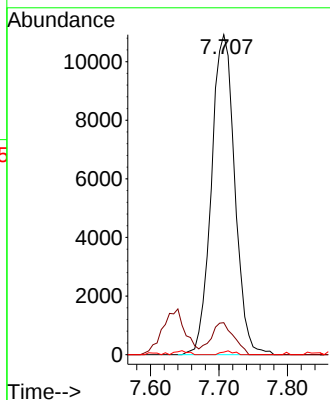
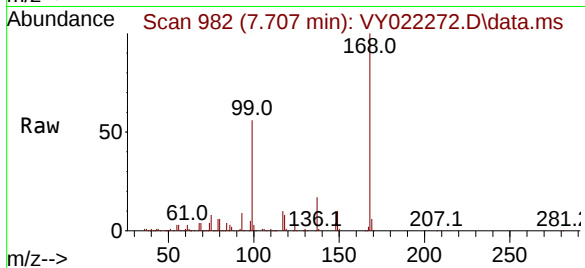
Tgt Ion: 75 Resp: 25831

Ion Ratio Lower Upper

75 100

110 9.8 16.6 49.8#

77 0.6 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.551 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022272.D

Acq: 15 May 2025 18:19

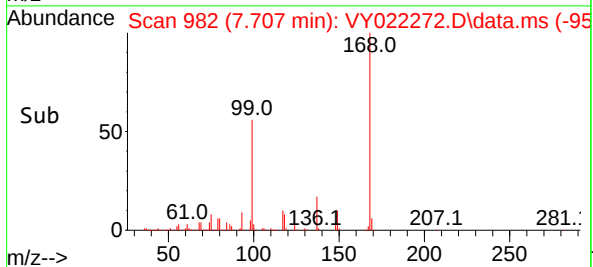
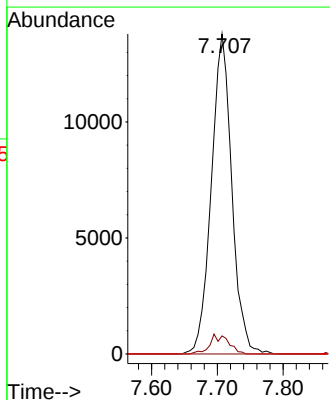
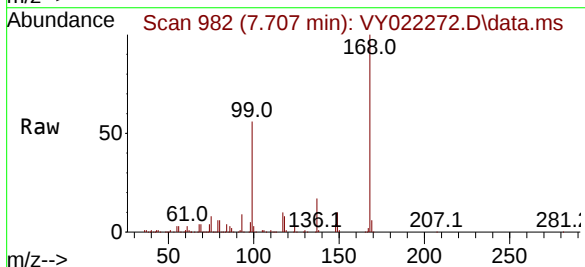
Tgt Ion: 117 Resp: 29854

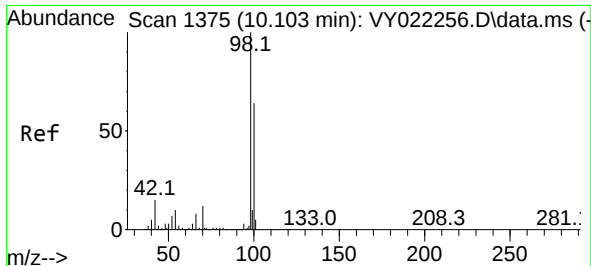
Ion Ratio Lower Upper

117 100

119 5.7 75.3 112.9#

121 0.0 24.7 37.1#

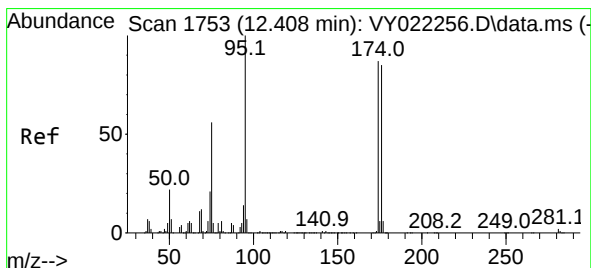
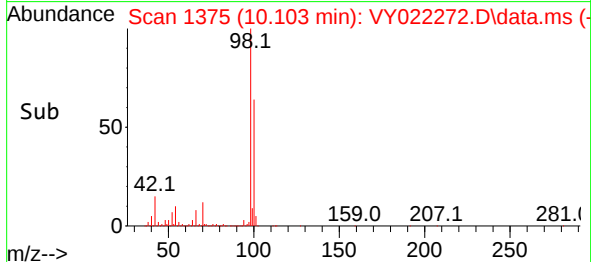
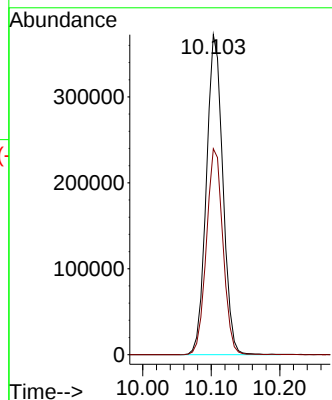
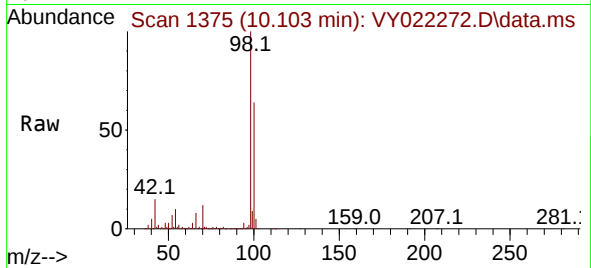




#50
Toluene-d8
Concen: 48.170 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

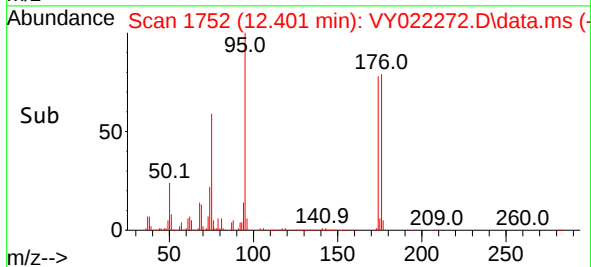
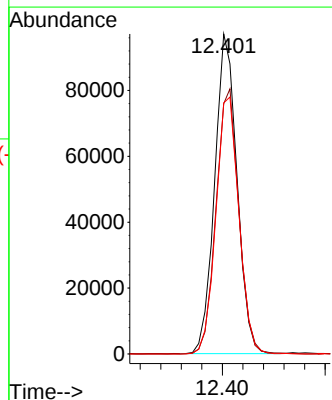
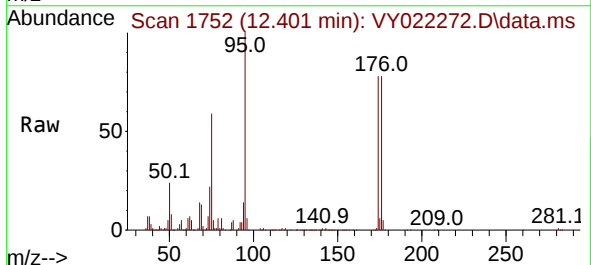
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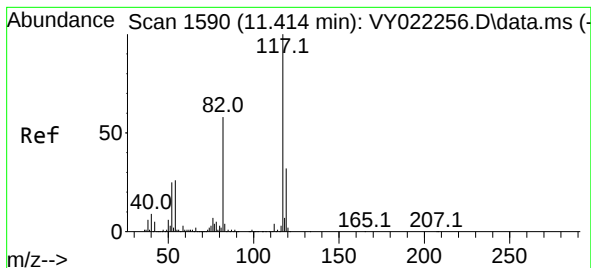
Tgt Ion: 98 Resp: 622264
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 35.732 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

Tgt Ion: 95 Resp: 146308
Ion Ratio Lower Upper
95 100
174 84.3 0.0 166.8
176 82.7 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022272.D

Acq: 15 May 2025 18:19

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

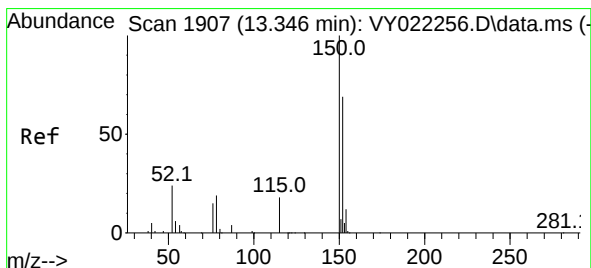
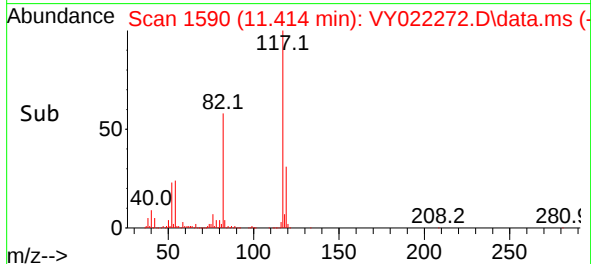
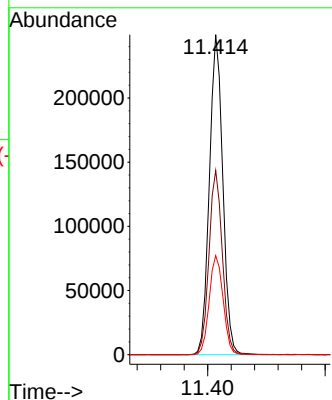
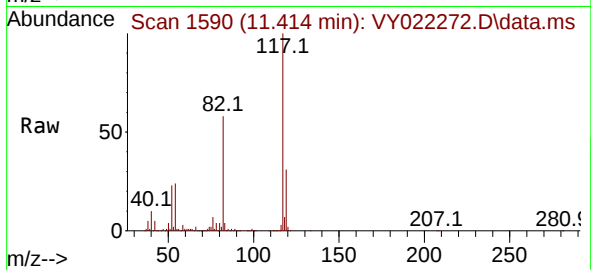
Tgt Ion:117 Resp: 395320

Ion Ratio Lower Upper

117 100

82 57.5 46.6 70.0

119 30.9 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022272.D

Acq: 15 May 2025 18:19

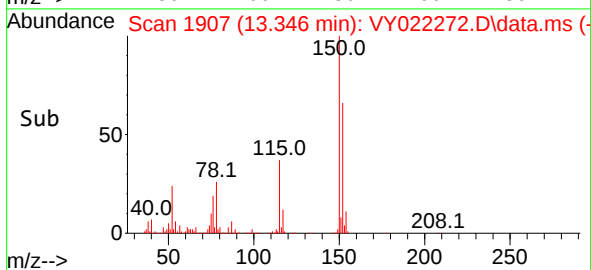
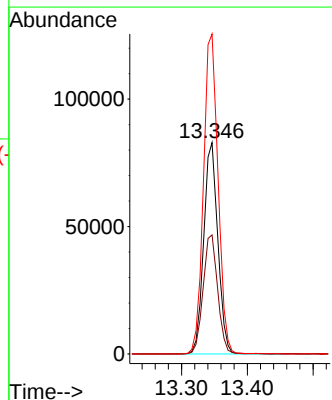
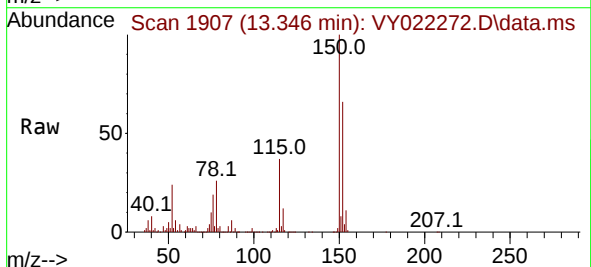
Tgt Ion:152 Resp: 123883

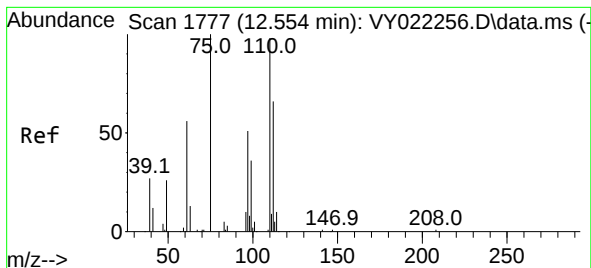
Ion Ratio Lower Upper

152 100

115 58.2 29.4 88.2

150 156.1 0.0 353.8

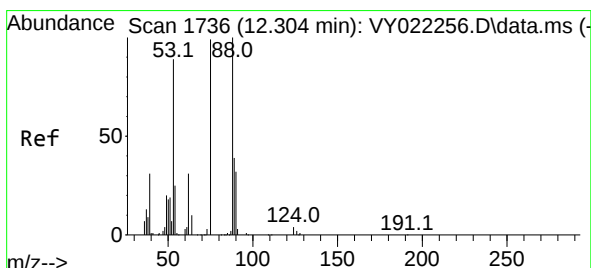
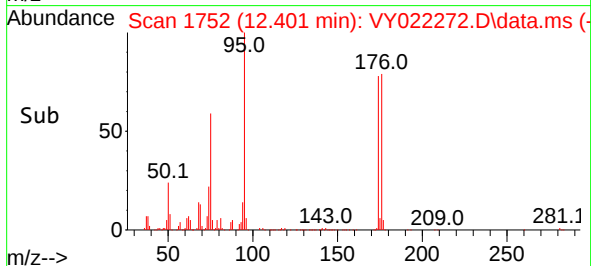
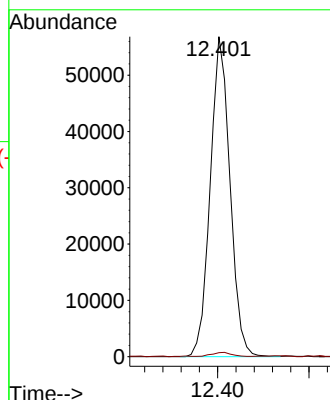
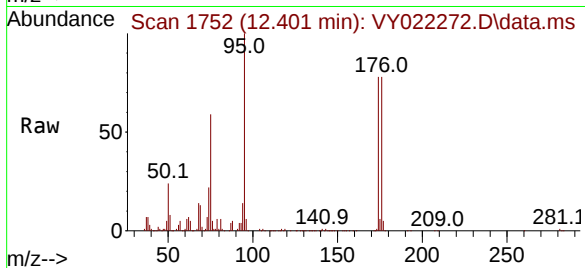




#76
1,2,3-Trichloropropane
Concen: 67.833 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

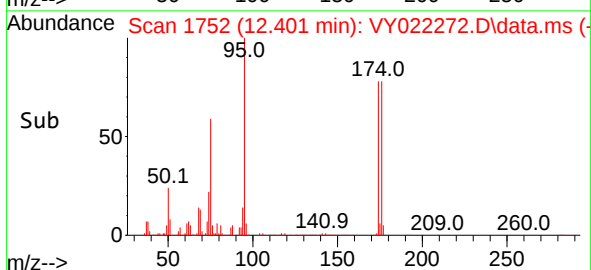
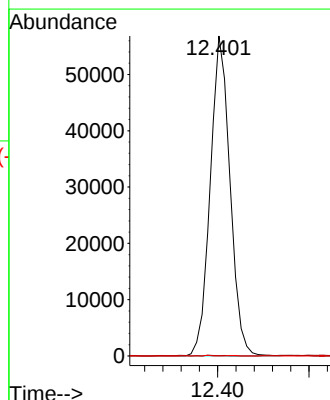
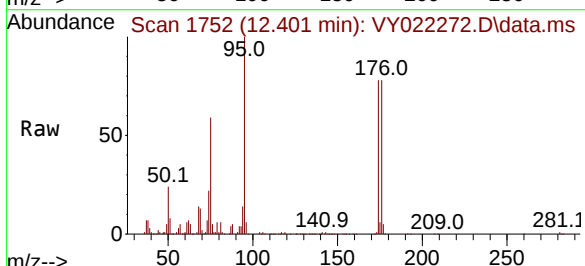
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

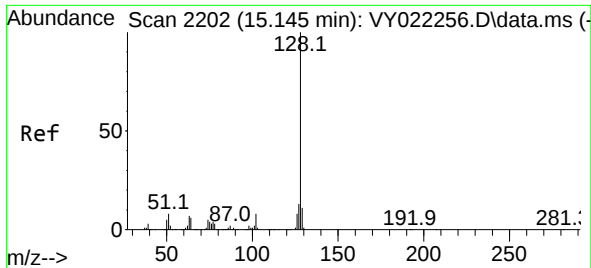
Tgt Ion: 75 Resp: 85135
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 137.413 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

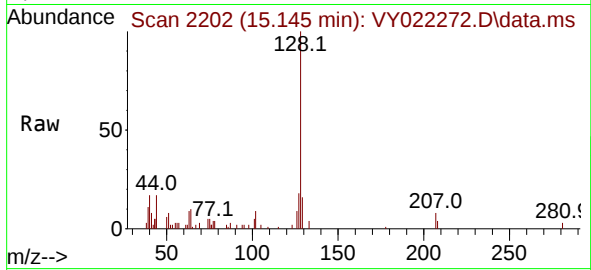
Tgt Ion: 75 Resp: 85135
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.1 36.2 54.2#





#95
 Naphthalene
 Concen: 1.981 ug/l
 RT: 15.145 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY022272.D
 Acq: 15 May 2025 18:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4



Tgt Ion:128 Resp: 8161
 Ion Ratio Lower Upper
 128 100
 127 14.3 10.2 15.2
 129 13.9 8.8 13.2#

