

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
 Data File : VY022414.D
 Acq On : 23 May 2025 18:24
 Operator : SY/MD
 Sample : Q2127-11
 Misc : 5.38g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-2

Quant Time: May 23 23:23:40 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)

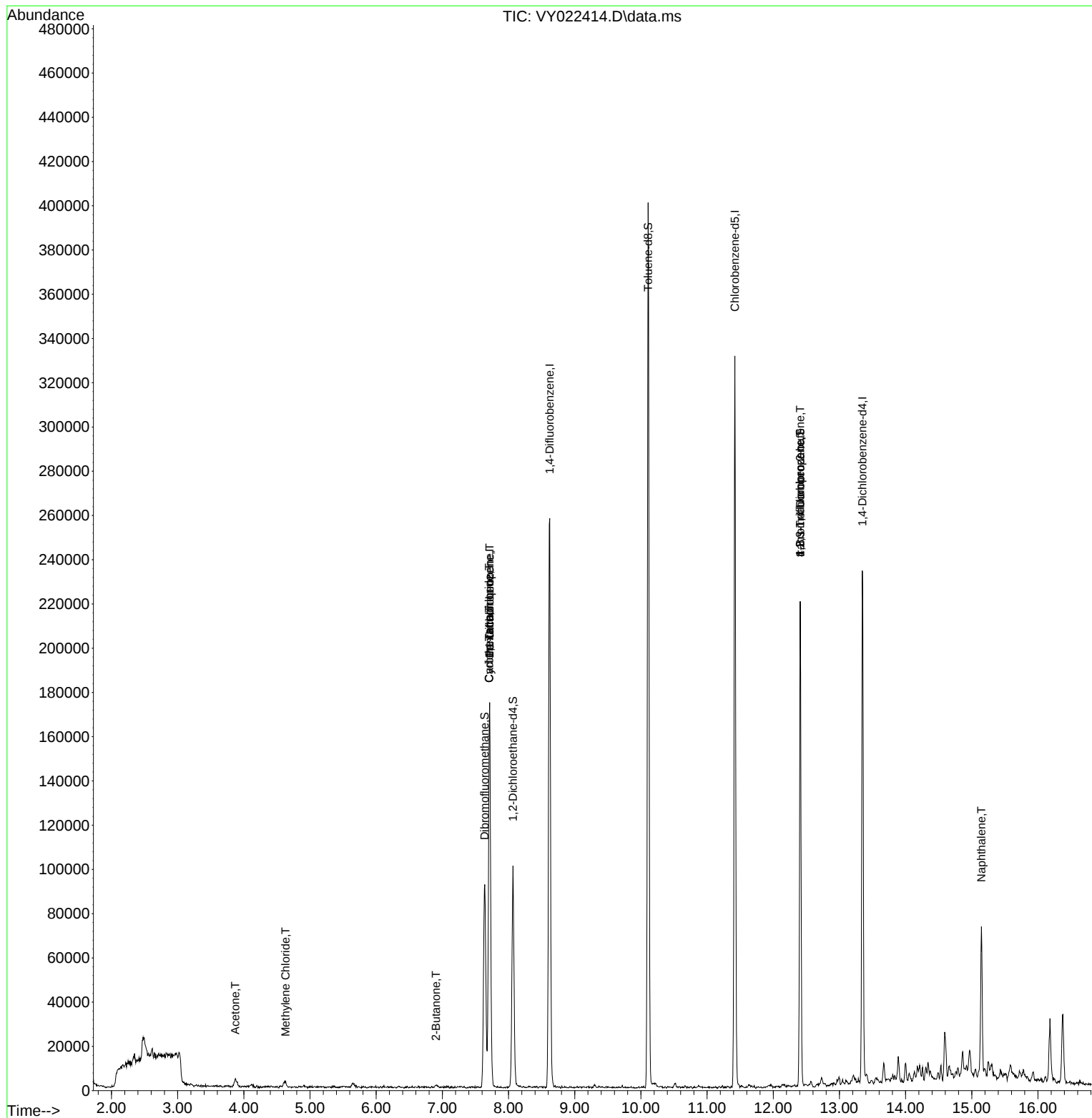
Internal Standards						
1) Pentafluorobenzene	7.713	168	131682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	219310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	161460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	55312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	69877	48.554	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.100%
35) Dibromofluoromethane	7.640	113	64466	49.249	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.500%
50) Toluene-d8	10.109	98	247972	46.255	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.520%
62) 4-Bromofluorobenzene	12.407	95	60370	35.528	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	71.060%
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	5913	21.912	ug/l	95
20) Methylene Chloride	4.628	84	1777	1.019	ug/l #	85
25) 2-Butanone	6.902	43	1624	3.598	ug/l #	68
31) Cyclohexane	7.707	56	3668	1.260	ug/l #	42
36) 1,1-Dichloropropene	7.713	75	11645	5.401	ug/l #	50
38) Carbon Tetrachloride	7.707	117	13486	6.043	ug/l #	17
76) 1,2,3-Trichloropropane	12.407	75	34427	61.436	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	34427	124.454	ug/l #	12
95) Naphthalene	15.145	128	52019	28.278	ug/l	100

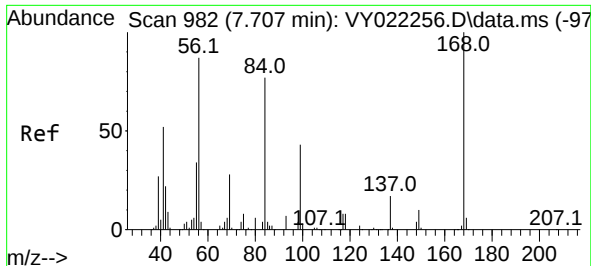
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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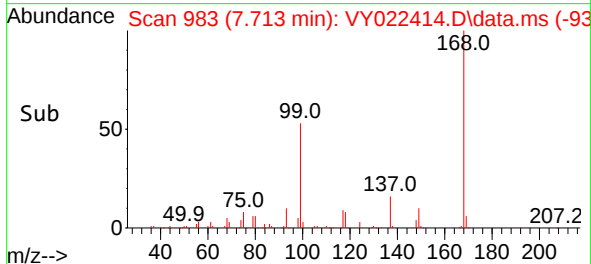
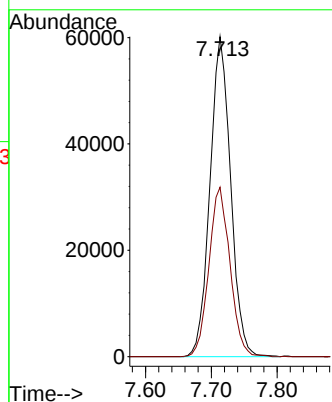
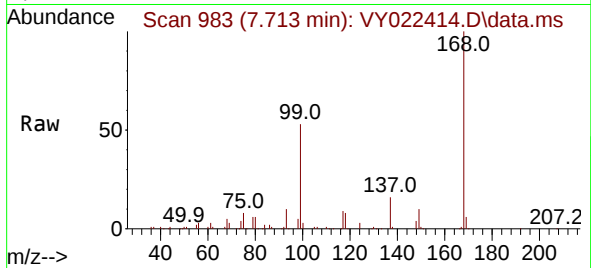




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022414.D
Acq: 23 May 2025 18:24

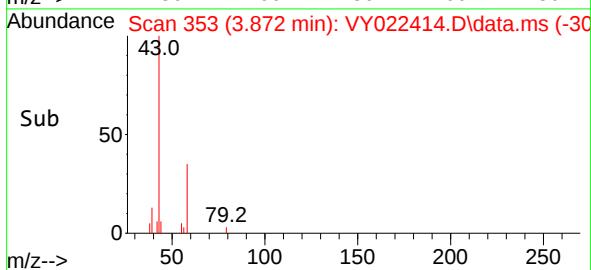
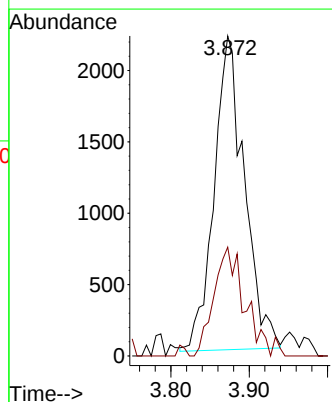
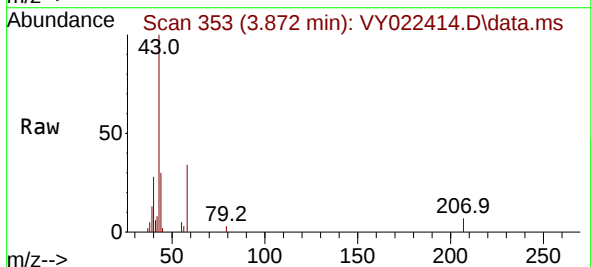
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

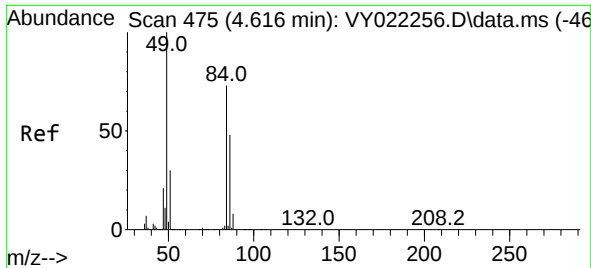
Tgt Ion:168 Resp: 131682
Ion Ratio Lower Upper
168 100
99 53.0 44.2 66.4



#16
Acetone
Concen: 21.912 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022414.D
Acq: 23 May 2025 18:24

Tgt Ion: 43 Resp: 5913
Ion Ratio Lower Upper
43 100
58 32.4 23.6 35.4





#20

Methylene Chloride

Concen: 1.019 ug/l

RT: 4.628 min Scan# 41

Delta R.T. 0.012 min

Lab File: VY022414.D

Acq: 23 May 2025 18:24

Instrument :

MSVOA_Y

ClientSampleId :

COMP-2

Tgt Ion: 84 Resp: 1777

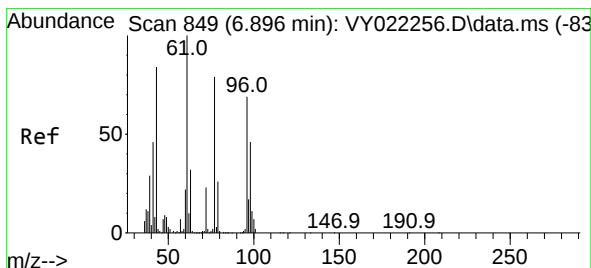
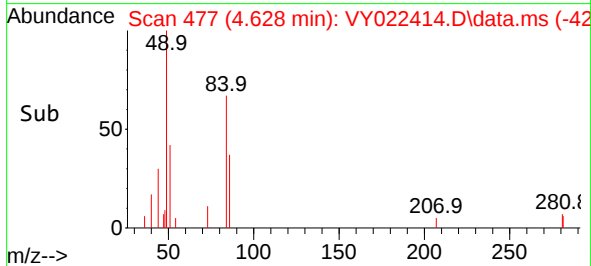
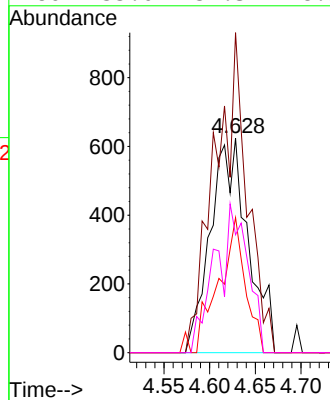
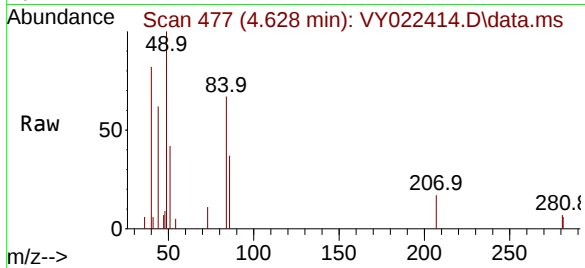
Ion Ratio Lower Upper

84 100

49 149.2 109.6 164.4

51 63.0 32.4 48.6#

86 55.0 52.3 78.5



#25

2-Butanone

Concen: 3.598 ug/l

RT: 6.902 min Scan# 850

Delta R.T. 0.006 min

Lab File: VY022414.D

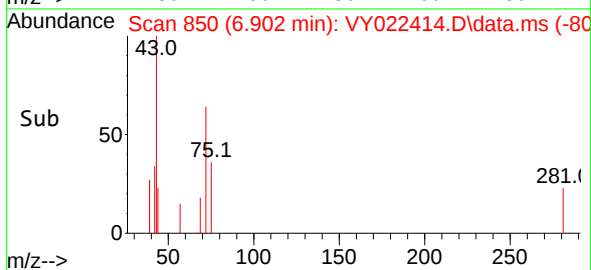
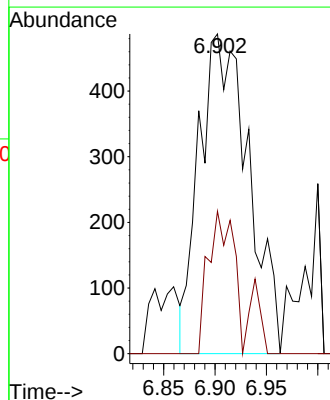
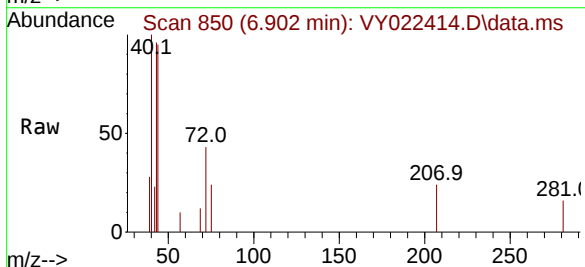
Acq: 23 May 2025 18:24

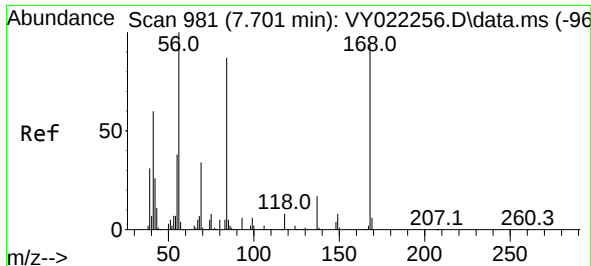
Tgt Ion: 43 Resp: 1624

Ion Ratio Lower Upper

43 100

72 44.6 22.1 33.1#

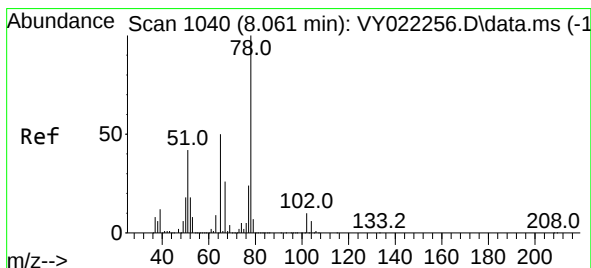
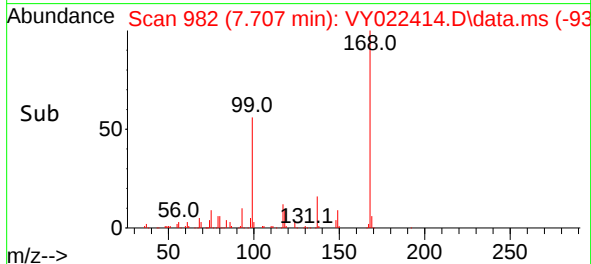
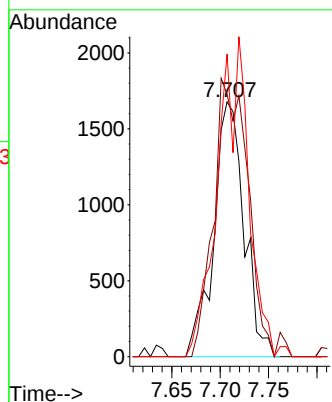
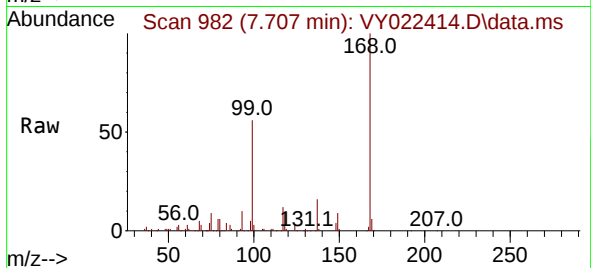




#31
Cyclohexane
Concen: 1.260 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022414.D
Acq: 23 May 2025 18:24

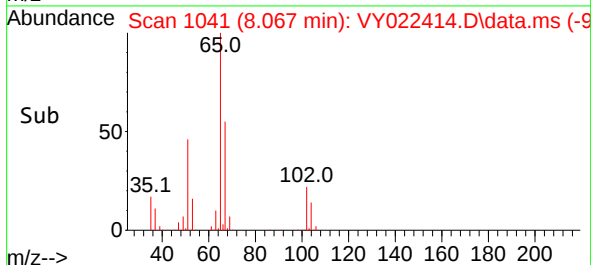
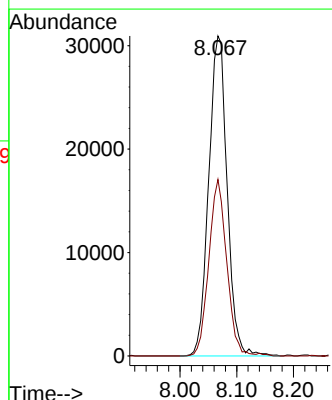
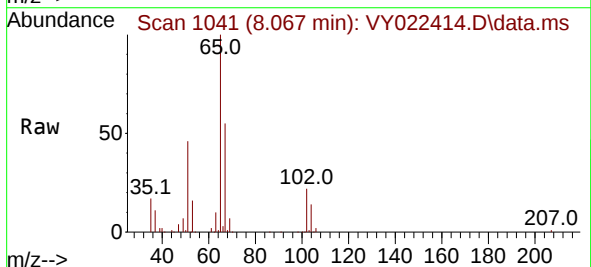
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

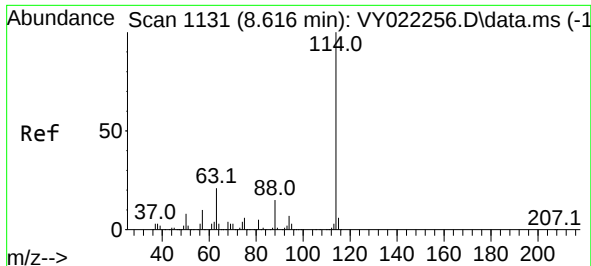
Tgt Ion: 56 Resp: 3668
Ion Ratio Lower Upper
56 100
69 102.9 27.4 41.2#
84 118.7 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 48.554 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022414.D
Acq: 23 May 2025 18:24

Tgt Ion: 65 Resp: 69877
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY022414.D

Acq: 23 May 2025 18:24

Instrument :

MSVOA_Y

ClientSampleId :

COMP-2

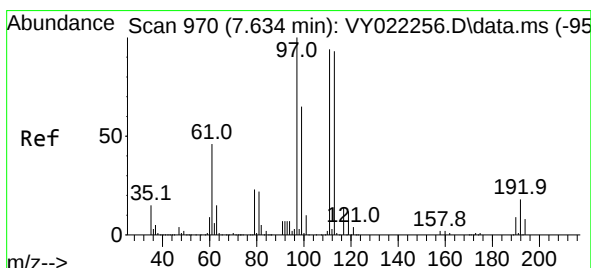
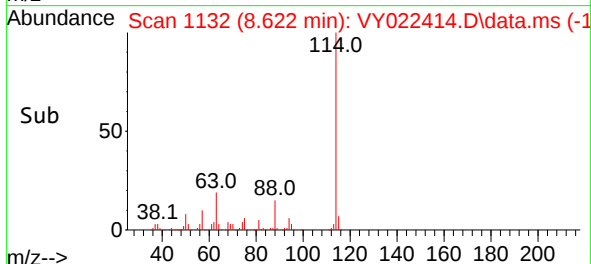
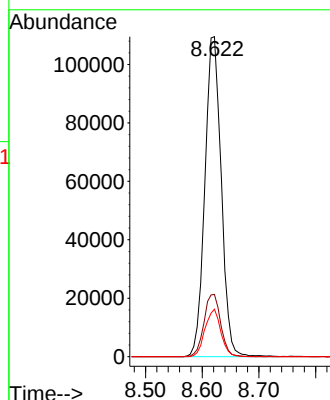
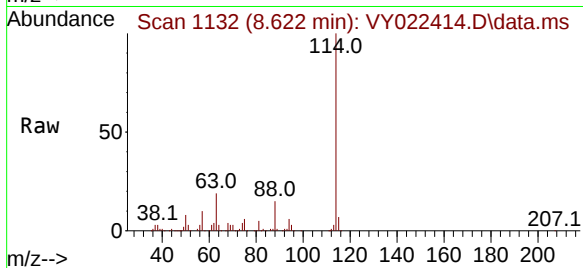
Tgt Ion:114 Resp: 219310

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.0

88 14.9 0.0 29.4



#35

Dibromofluoromethane

Concen: 49.249 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY022414.D

Acq: 23 May 2025 18:24

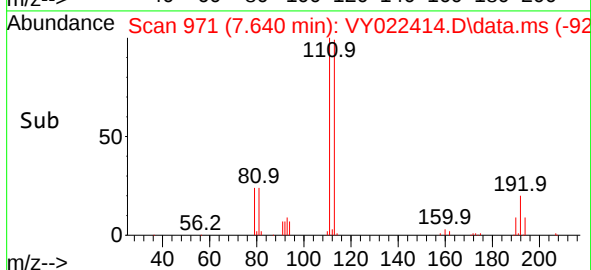
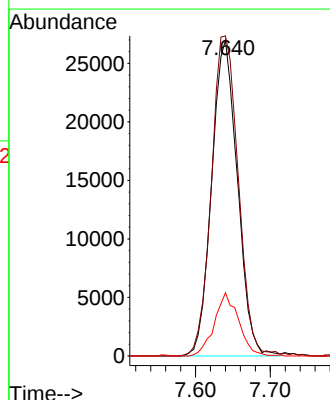
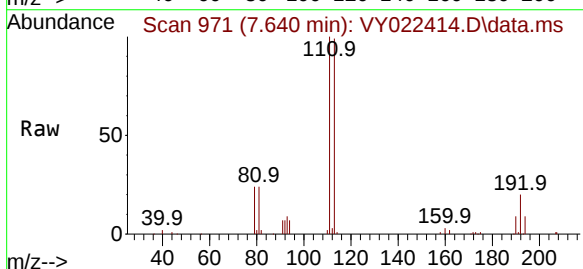
Tgt Ion:113 Resp: 64466

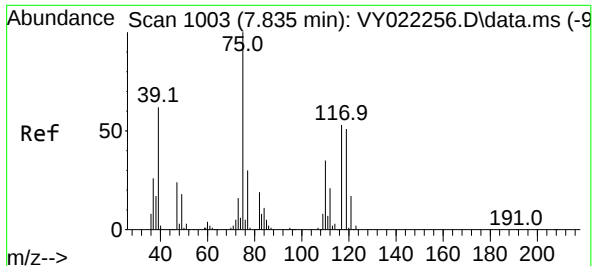
Ion Ratio Lower Upper

113 100

111 106.0 82.6 123.8

192 18.9 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.401 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY022414.D

Acq: 23 May 2025 18:24

Instrument :

MSVOA_Y

ClientSampleId :

COMP-2

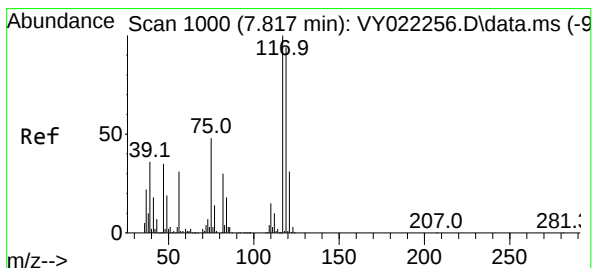
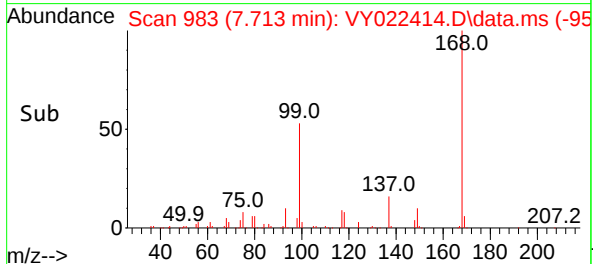
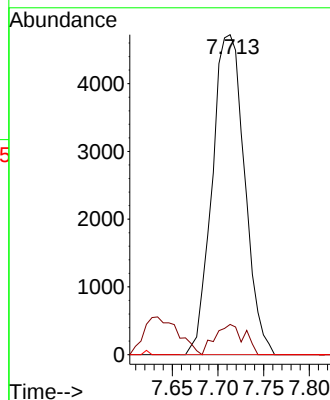
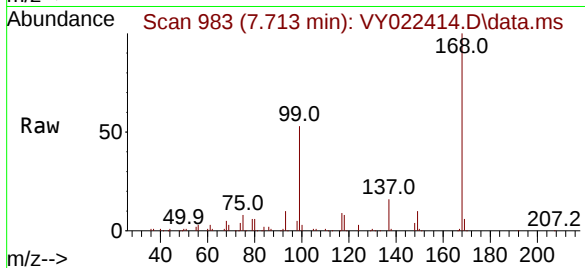
Tgt Ion: 75 Resp: 11645

Ion Ratio Lower Upper

75 100

110 8.5 16.6 49.8#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.043 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022414.D

Acq: 23 May 2025 18:24

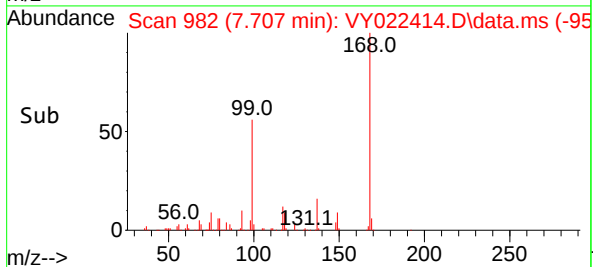
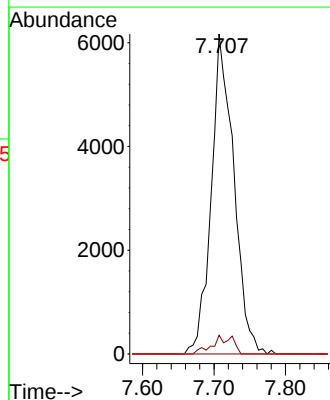
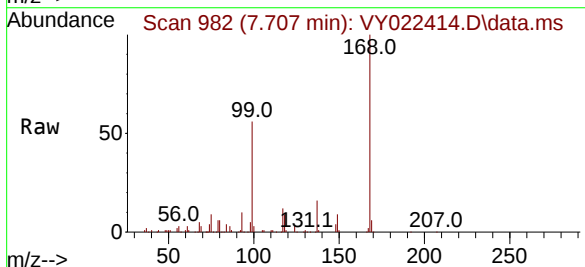
Tgt Ion: 117 Resp: 13486

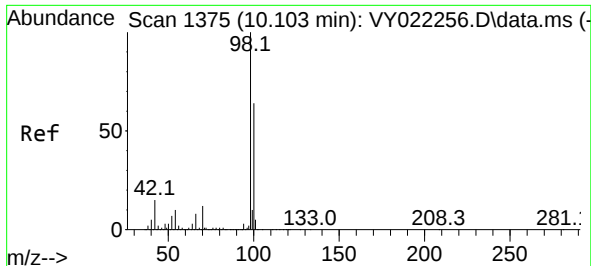
Ion Ratio Lower Upper

117 100

119 5.9 75.3 112.9#

121 0.0 24.7 37.1#

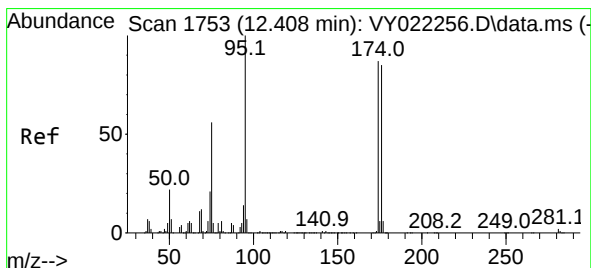
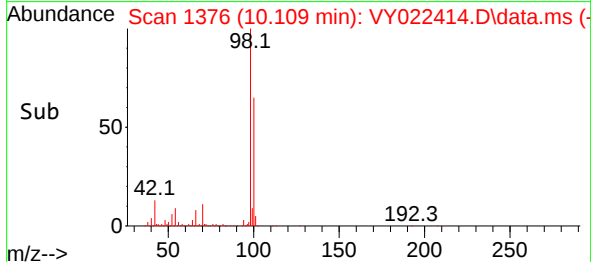
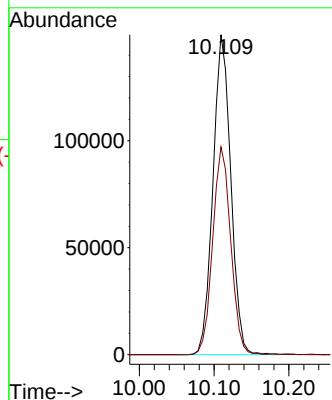
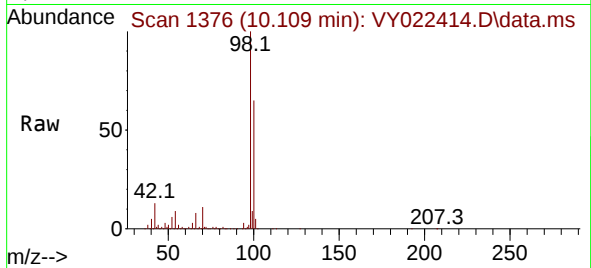




#50
Toluene-d8
Concen: 46.255 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022414.D
Acq: 23 May 2025 18:24

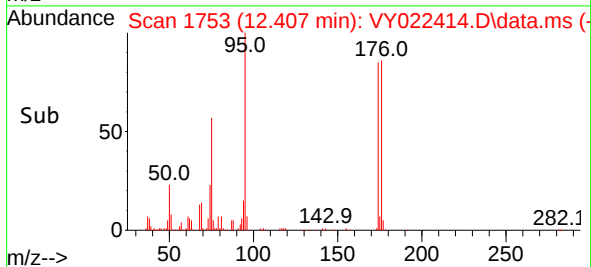
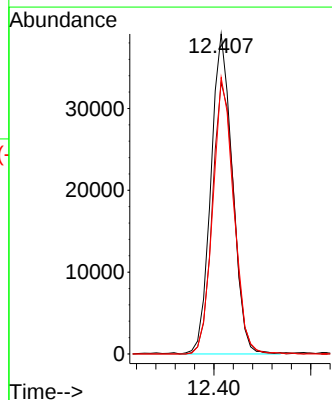
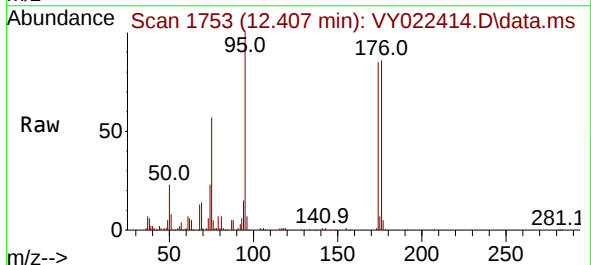
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ClientSampleId :
COMP-2

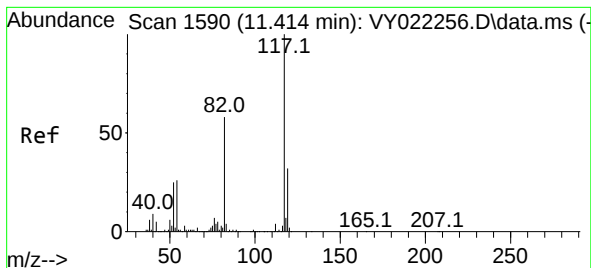
Tgt Ion: 98 Resp: 247972
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 35.528 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022414.D
Acq: 23 May 2025 18:24

Tgt Ion: 95 Resp: 60370
Ion Ratio Lower Upper
95 100
174 85.6 0.0 166.8
176 84.0 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022414.D

Acq: 23 May 2025 18:24

Instrument :

MSVOA_Y

ClientSampleId :

COMP-2

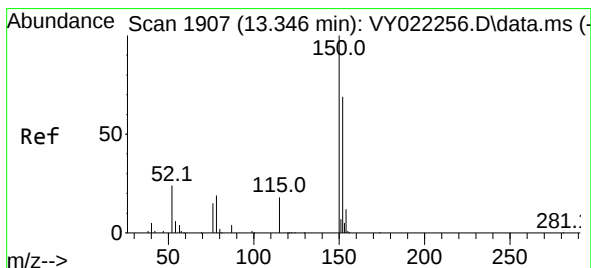
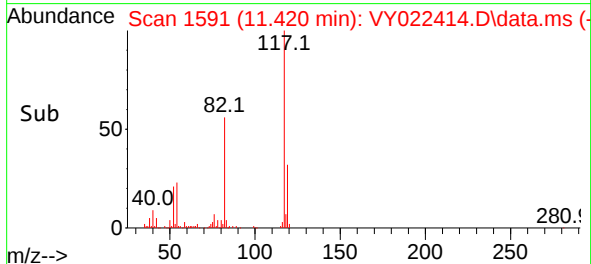
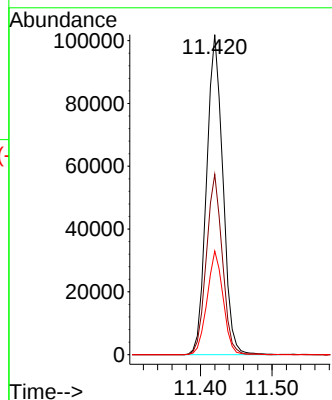
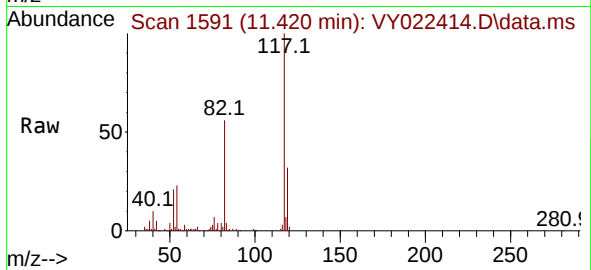
Tgt Ion:117 Resp: 161460

Ion Ratio Lower Upper

117 100

82 56.4 46.6 70.0

119 32.4 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: VY022414.D

Acq: 23 May 2025 18:24

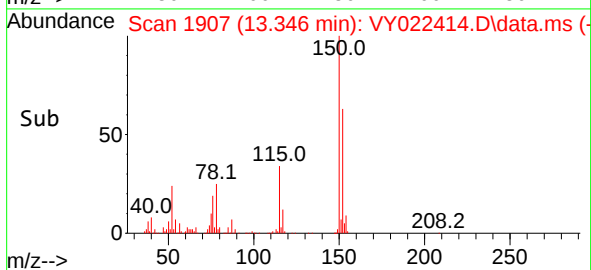
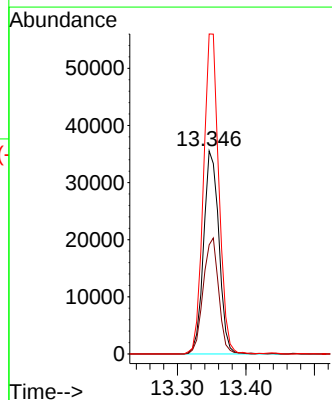
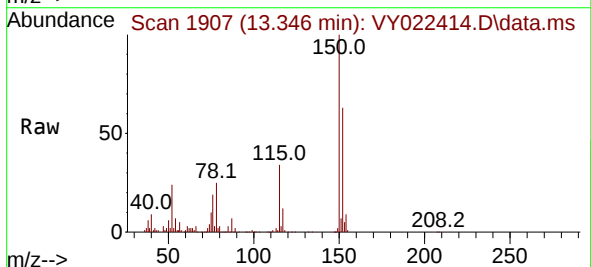
Tgt Ion:152 Resp: 55312

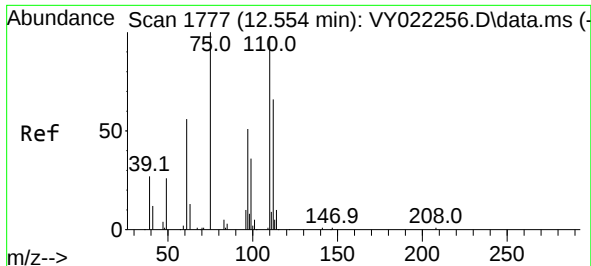
Ion Ratio Lower Upper

152 100

115 57.7 29.4 88.2

150 158.3 0.0 353.8

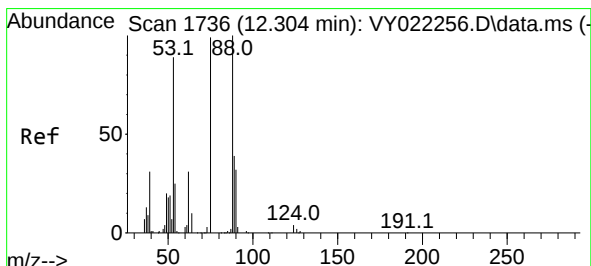
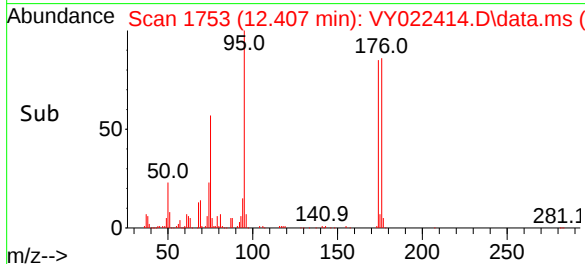
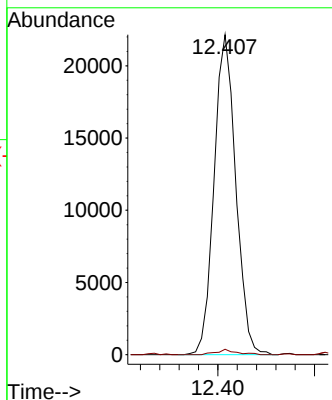
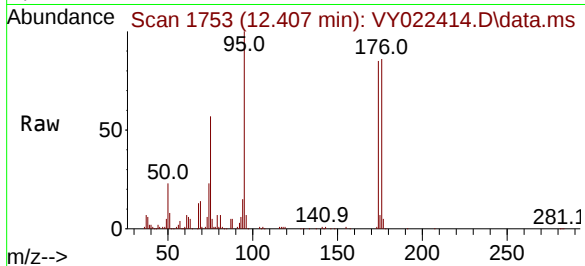




#76
1,2,3-Trichloropropane
Concen: 61.436 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022414.D
Acq: 23 May 2025 18:24

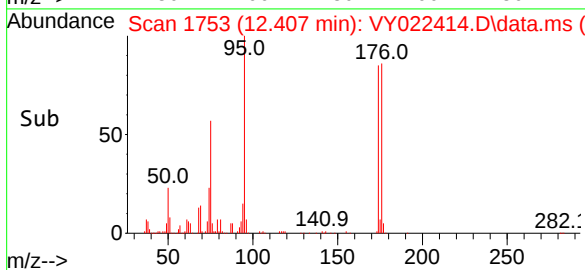
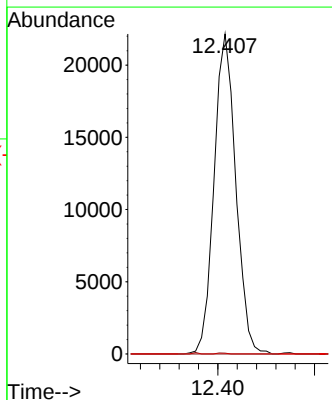
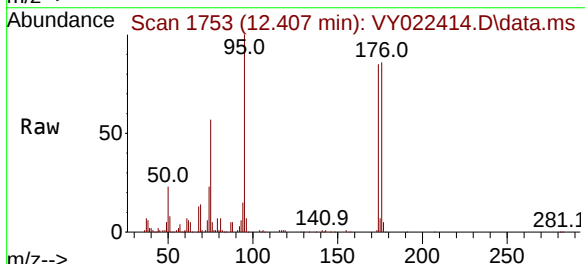
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

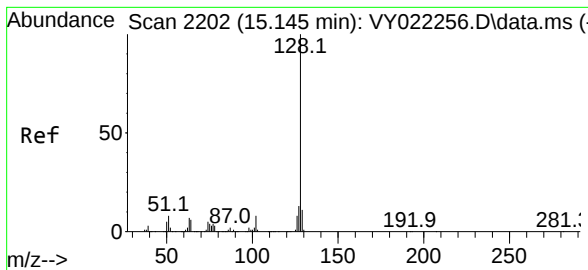
Tgt Ion: 75 Resp: 34427
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.454 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022414.D
Acq: 23 May 2025 18:24

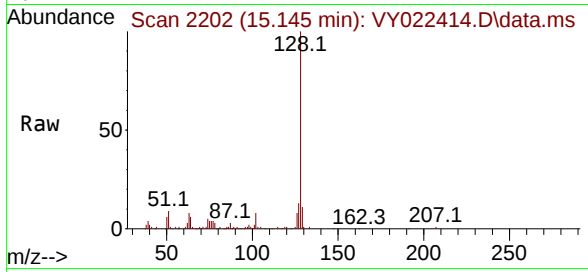
Tgt Ion: 75 Resp: 34427
Ion Ratio Lower Upper
75 100
53 0.1 75.8 113.8#
89 0.0 36.2 54.2#





#95
Naphthalene
Concen: 28.278 ug/l
RT: 15.145 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022414.D
Acq: 23 May 2025 18:24

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2



Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.2
129	11.1	8.8	13.2

