

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
 Data File : VY021769.D
 Acq On : 03 Apr 2025 13:33
 Operator : SY/MD
 Sample : Q1698-03
 Misc : 6.27g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-9

Quant Time: Apr 04 01:31:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

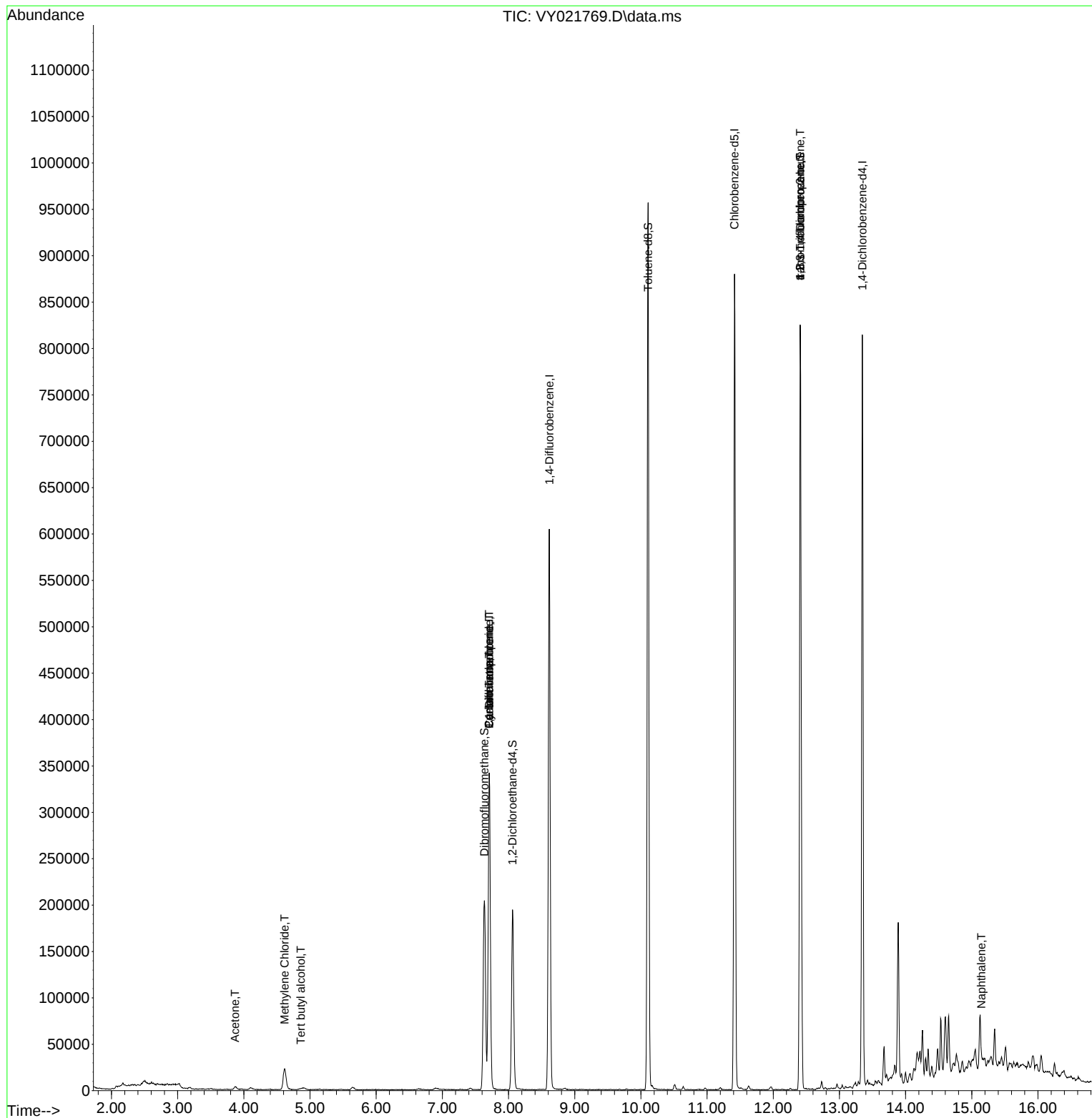
Internal Standards						
1) Pentafluorobenzene	7.707	168	254509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	494707	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	458971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	190883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	154290	55.952	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.900%
35) Dibromofluoromethane	7.634	113	148285	46.208	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.420%
50) Toluene-d8	10.109	98	610646	50.019	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.040%
62) 4-Bromofluorobenzene	12.408	95	196948	47.694	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.380%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	1440	8.040	ug/l #	70
16) Acetone	3.867	43	5562	9.855	ug/l	96
20) Methylene Chloride	4.616	84	15935	2.062	ug/l	95
31) Cyclohexane	7.707	56	5926	1.218	ug/l #	9
36) 1,1-Dichloropropene	7.707	75	20999	4.296	ug/l #	51
38) Carbon Tetrachloride	7.707	117	26047	4.653	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	109484	57.862	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	109484	133.325	ug/l #	12
95) Naphthalene	15.145	128	8053	1.535	ug/l #	91

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

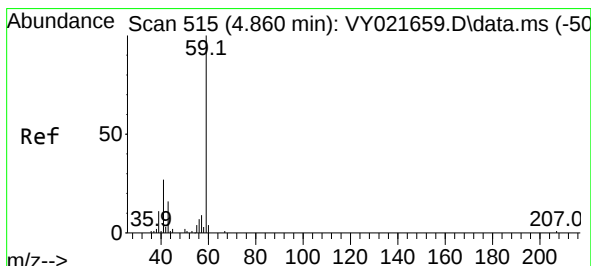
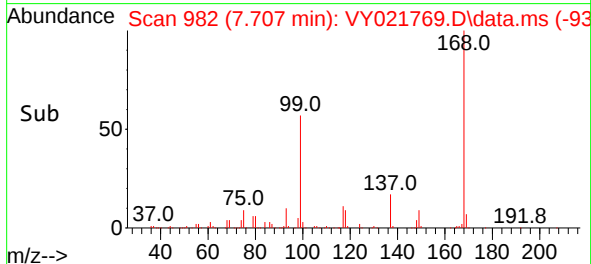
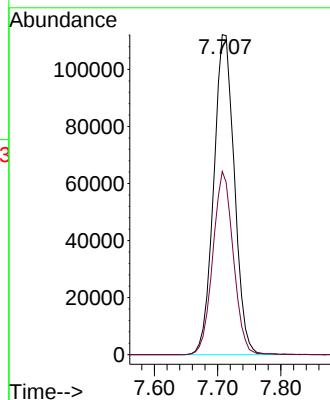
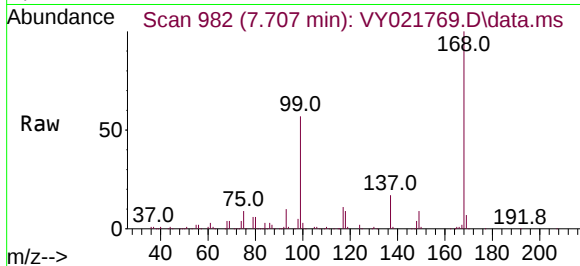




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021769.D
Acq: 03 Apr 2025 13:33

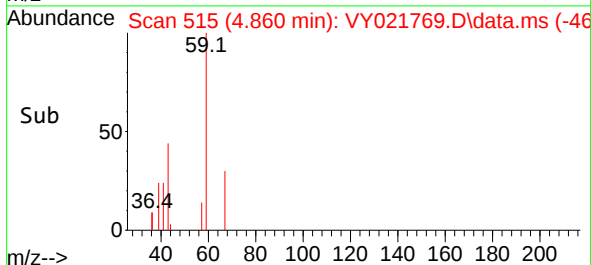
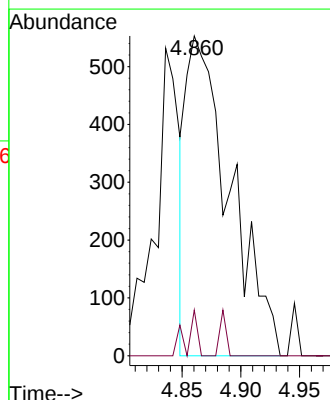
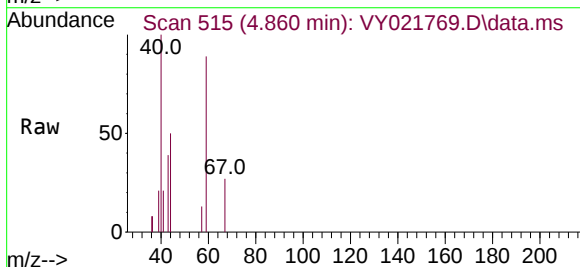
Instrument :
MSVOA_Y
ClientSampleId :
B-9

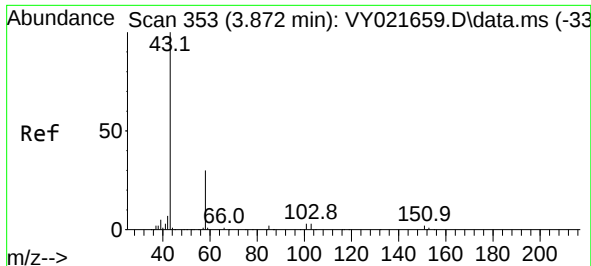
Tgt Ion:168 Resp: 254509
Ion Ratio Lower Upper
168 100
99 57.2 46.7 70.1



#11
Tert butyl alcohol
Concen: 8.040 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY021769.D
Acq: 03 Apr 2025 13:33

Tgt Ion: 59 Resp: 1440
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#





#16

Acetone

Concen: 9.855 ug/l

RT: 3.867 min Scan# 3

Delta R.T. -0.006 min

Lab File: VY021769.D

Acq: 03 Apr 2025 13:33

Instrument :

MSVOA_Y

ClientSampleId :

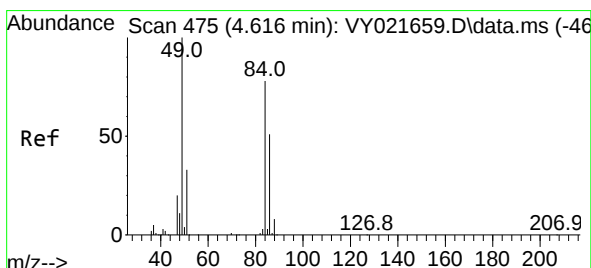
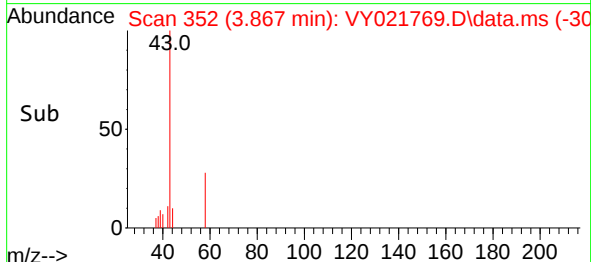
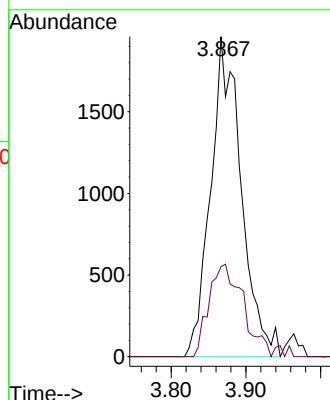
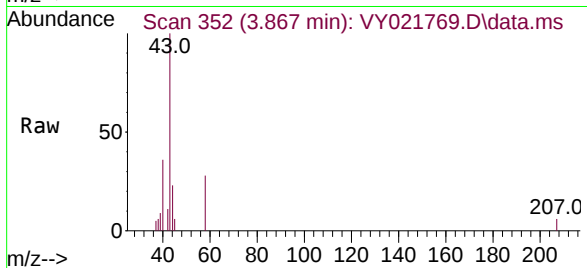
B-9

Tgt Ion: 43 Resp: 5562

Ion Ratio Lower Upper

43 100

58 28.2 24.2 36.4



#20

Methylene Chloride

Concen: 2.062 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021769.D

Acq: 03 Apr 2025 13:33

Tgt Ion: 84 Resp: 15935

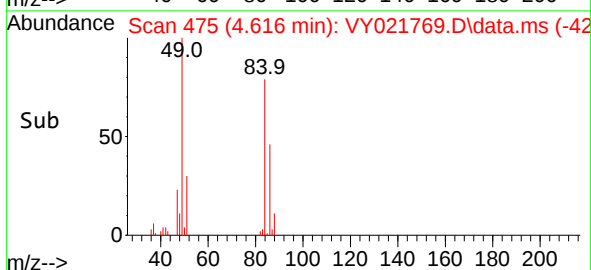
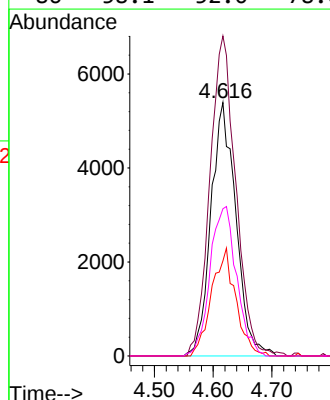
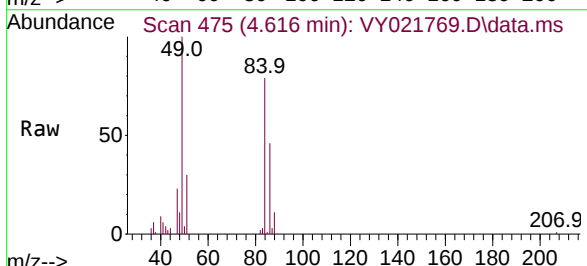
Ion Ratio Lower Upper

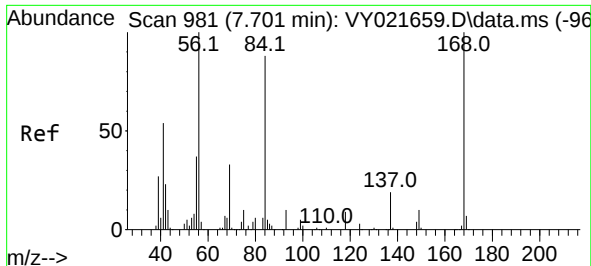
84 100

49 126.3 102.8 154.2

51 37.5 33.5 50.3

86 58.1 52.0 78.0

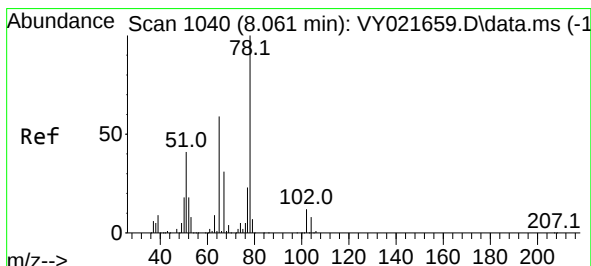
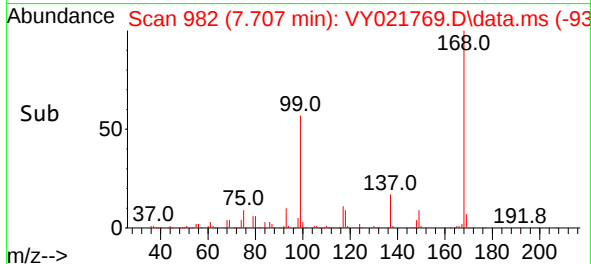
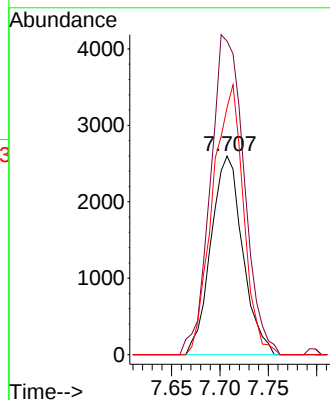
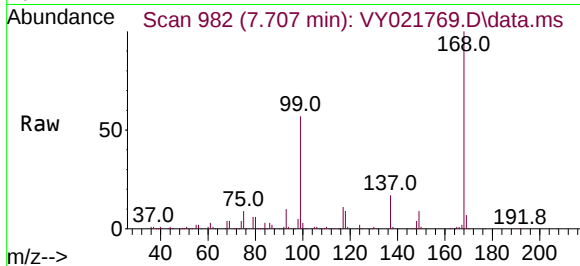




#31
Cyclohexane
Concen: 1.218 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021769.D
Acq: 03 Apr 2025 13:33

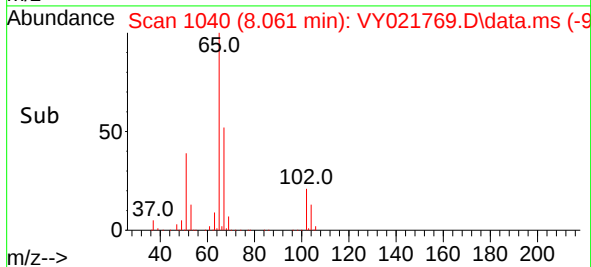
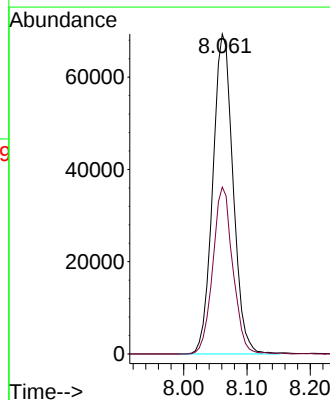
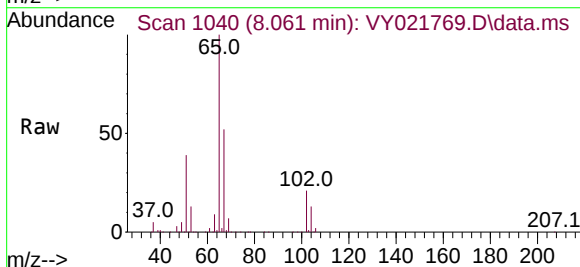
Instrument :
MSVOA_Y
ClientSampleId :
B-9

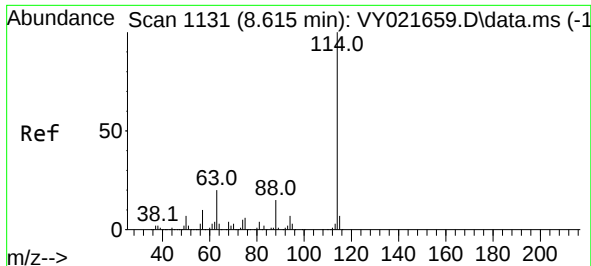
Tgt Ion: 56 Resp: 5926
Ion Ratio Lower Upper
56 100
69 157.9 26.6 40.0#
84 124.5 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 55.952 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021769.D
Acq: 03 Apr 2025 13:33

Tgt Ion: 65 Resp: 154290
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.6

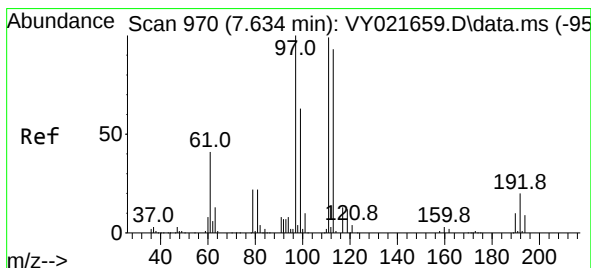
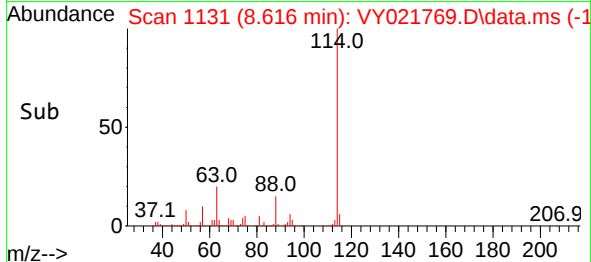
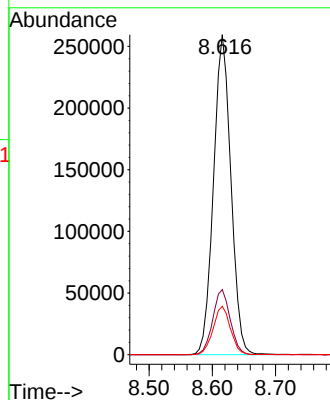
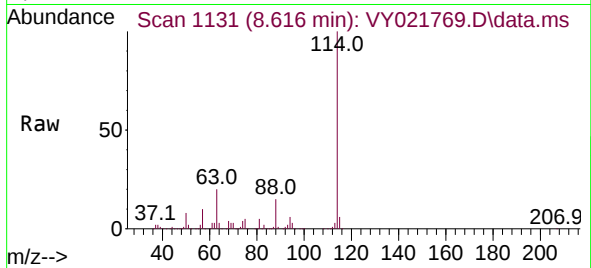




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021769.D
Acq: 03 Apr 2025 13:33

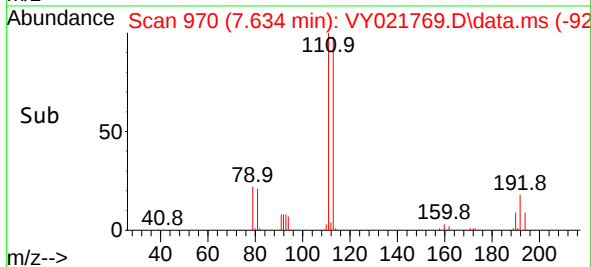
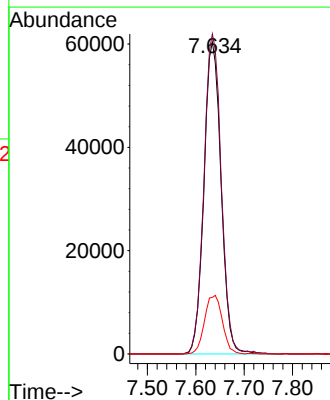
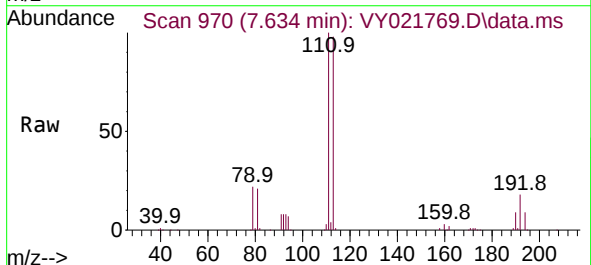
Instrument :
MSVOA_Y
ClientSampleId :
B-9

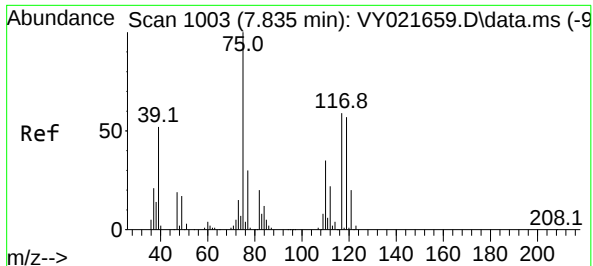
Tgt Ion:114 Resp: 494707
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.2
88 15.1 0.0 29.8



#35
Dibromofluoromethane
Concen: 46.208 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021769.D
Acq: 03 Apr 2025 13:33

Tgt Ion:113 Resp: 148285
Ion Ratio Lower Upper
113 100
111 103.9 82.6 123.8
192 19.6 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.296 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY021769.D

Acq: 03 Apr 2025 13:33

Instrument :

MSVOA_Y

ClientSampleId :

B-9

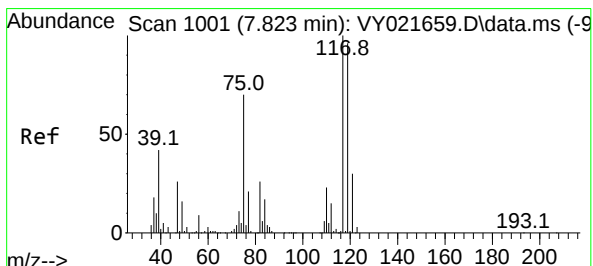
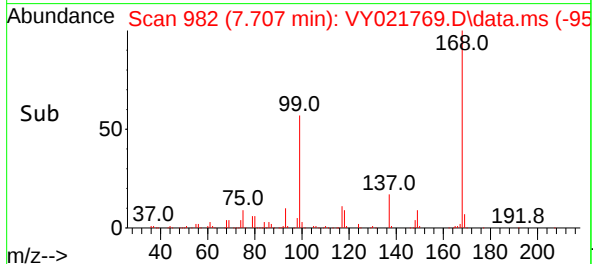
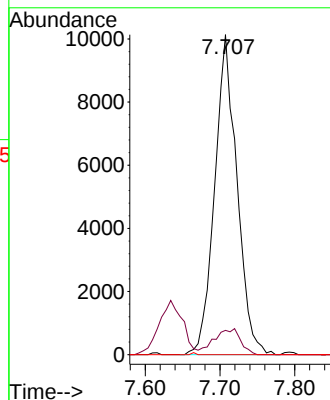
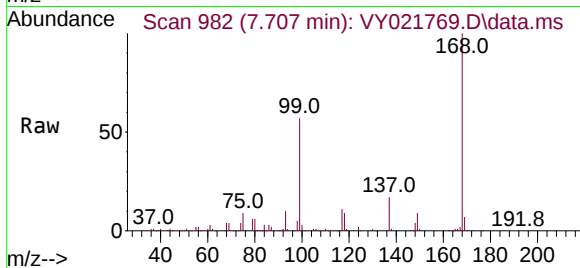
Tgt Ion: 75 Resp: 20999

Ion Ratio Lower Upper

75 100

110 9.6 17.0 50.9#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 4.653 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021769.D

Acq: 03 Apr 2025 13:33

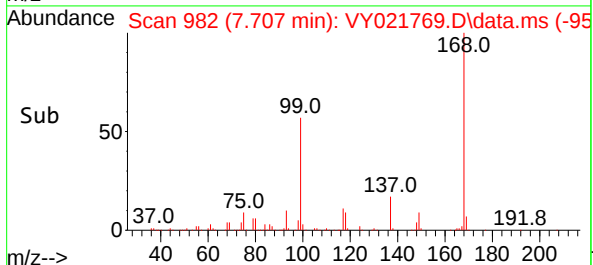
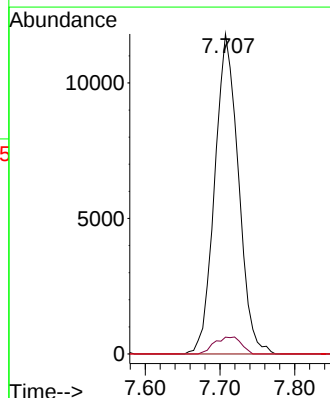
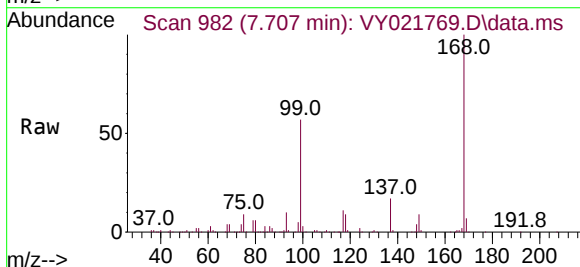
Tgt Ion: 117 Resp: 26047

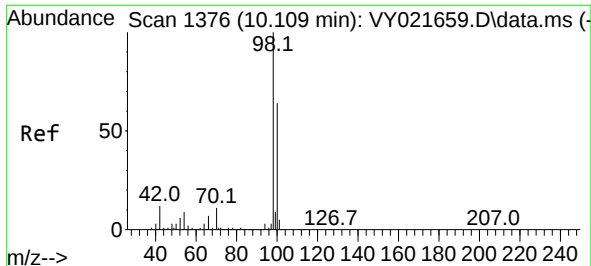
Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.4#

121 0.0 24.2 36.4#

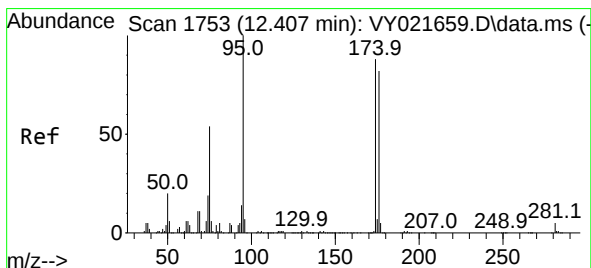
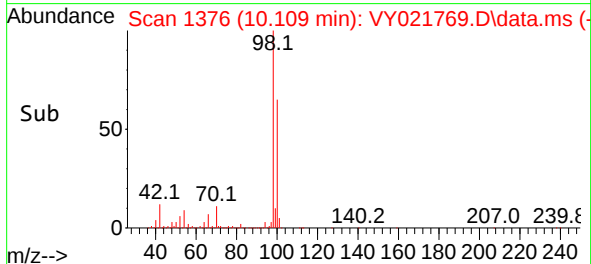
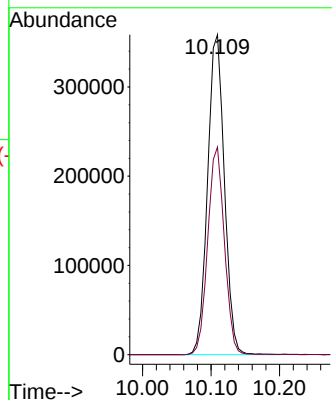
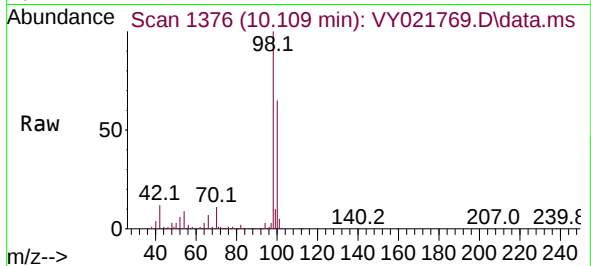




#50
Toluene-d8
Concen: 50.019 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021769.D
Acq: 03 Apr 2025 13:33

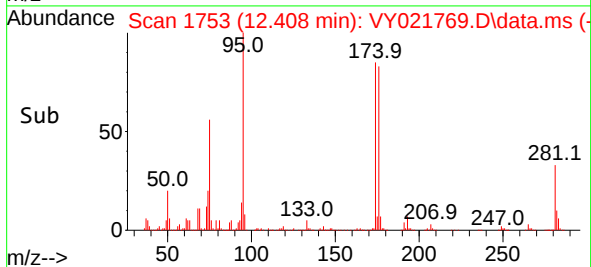
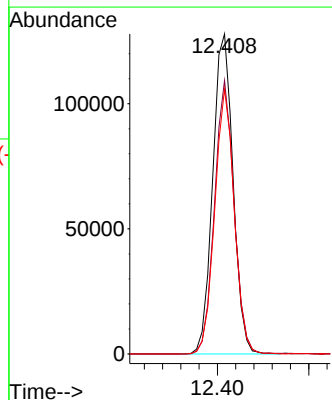
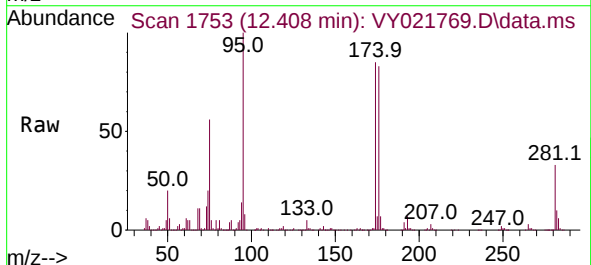
Instrument :
MSVOA_Y
ClientSampleId :
B-9

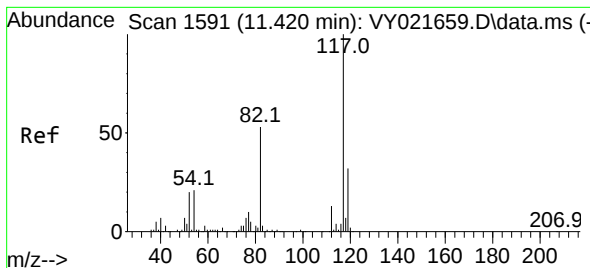
Tgt Ion: 98 Resp: 610646
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.694 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021769.D
Acq: 03 Apr 2025 13:33

Tgt Ion: 95 Resp: 196948
Ion Ratio Lower Upper
95 100
174 82.7 0.0 170.8
176 79.8 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021769.D

Acq: 03 Apr 2025 13:33

Instrument :

MSVOA_Y

ClientSampleId :

B-9

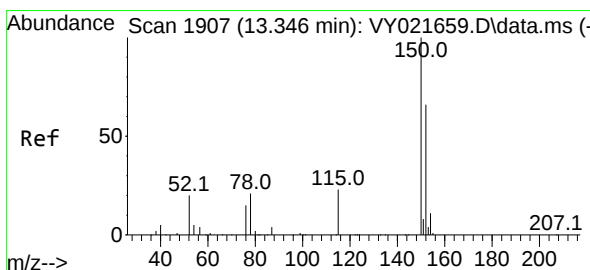
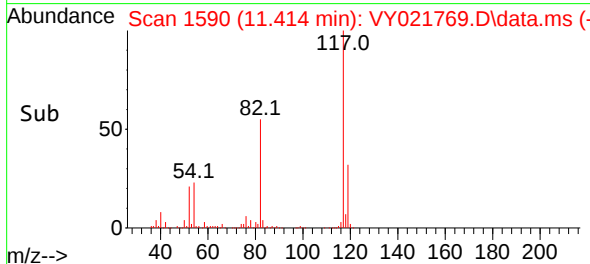
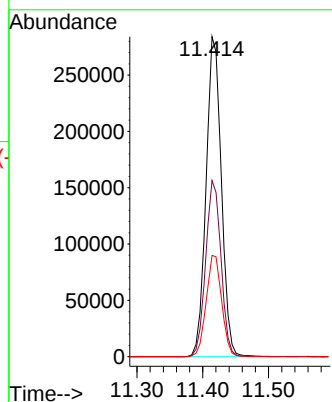
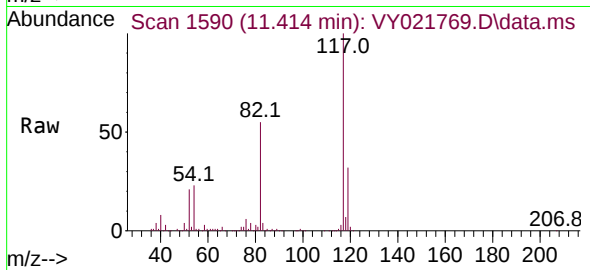
Tgt Ion:117 Resp: 458971

Ion Ratio Lower Upper

117 100

82 55.0 42.8 64.2

119 31.6 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021769.D

Acq: 03 Apr 2025 13:33

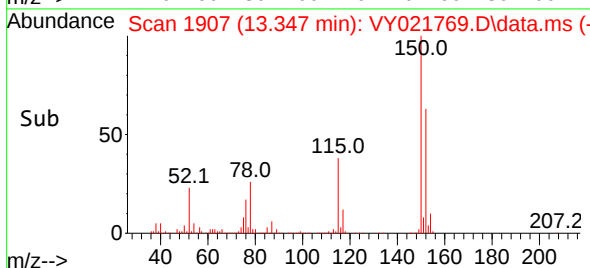
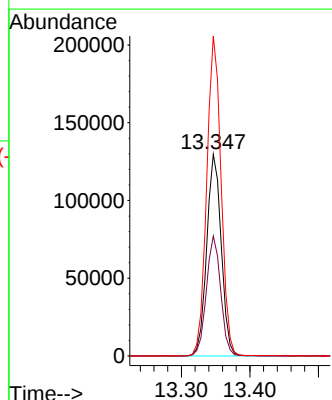
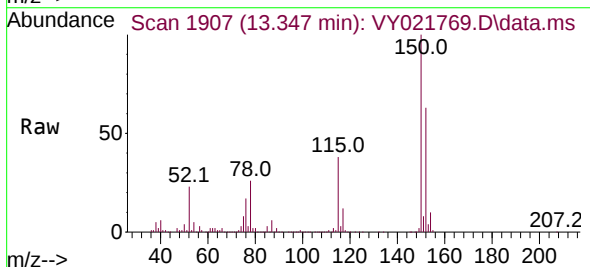
Tgt Ion:152 Resp: 190883

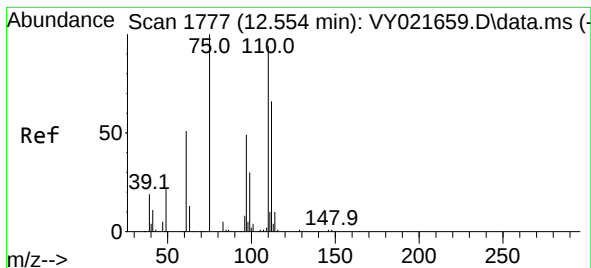
Ion Ratio Lower Upper

152 100

115 58.8 28.8 86.5

150 156.8 0.0 348.4

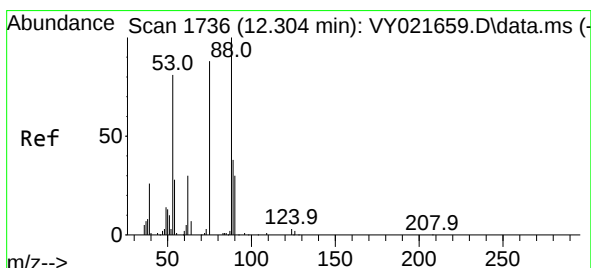
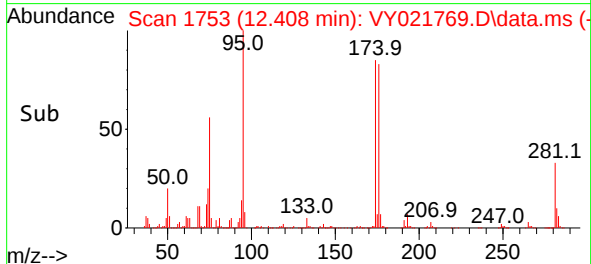
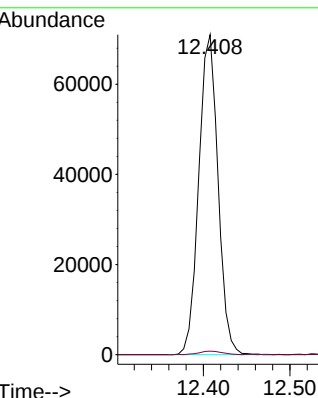
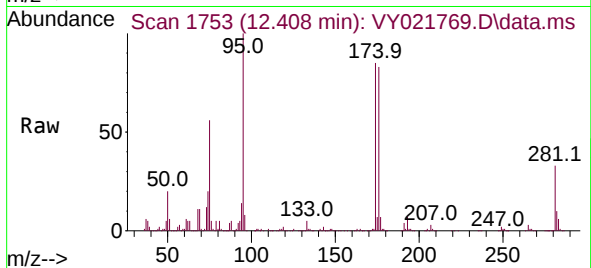




#76
1,2,3-Trichloropropane
Concen: 57.862 ug/l
RT: 12.408 min Scan# 1777
Delta R.T. -0.146 min
Lab File: VY021769.D
Acq: 03 Apr 2025 13:33

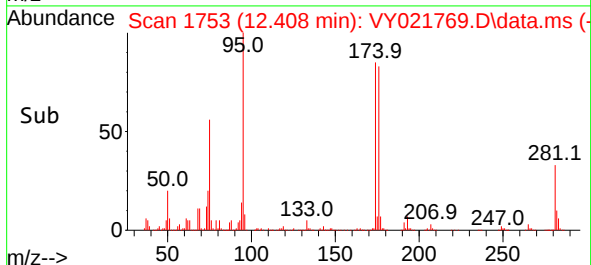
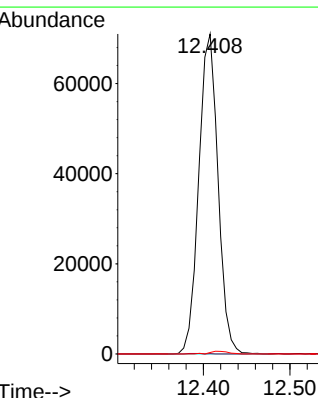
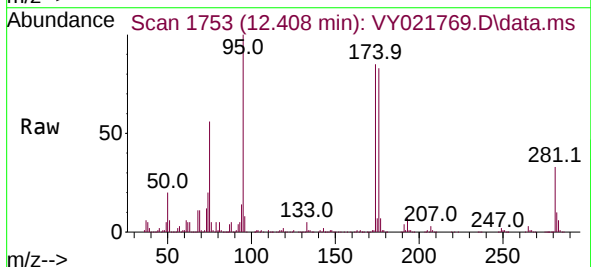
Instrument :
MSVOA_Y
ClientSampleId :
B-9

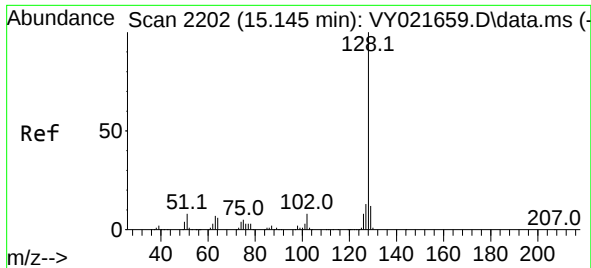
Tgt Ion: 75 Resp: 109484
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.325 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021769.D
Acq: 03 Apr 2025 13:33

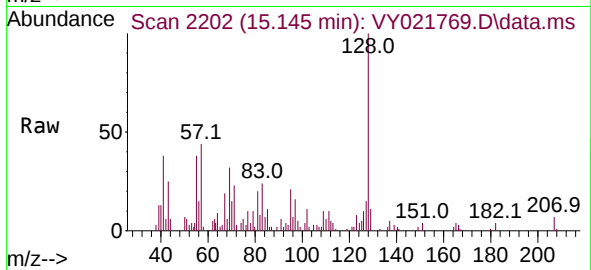
Tgt Ion: 75 Resp: 109484
Ion Ratio Lower Upper
75 100
53 0.0 76.1 114.1#
89 0.8 36.2 54.4#





#95
Naphthalene
Concen: 1.535 ug/l
RT: 15.145 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021769.D
Acq: 03 Apr 2025 13:33

Instrument :
MSVOA_Y
ClientSampleId :
B-9



Tgt Ion:	128	Resp:	8053
Ion Ratio	Lower	Upper	
128	100		
127	19.6	10.8	16.2#
129	11.8	8.8	13.2

