

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110725\
 Data File : VY023705.D
 Acq On : 07 Nov 2025 09:25
 Operator : SY/MD
 Sample : VY1107SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1107SBL01

Quant Time: Nov 08 03:26:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

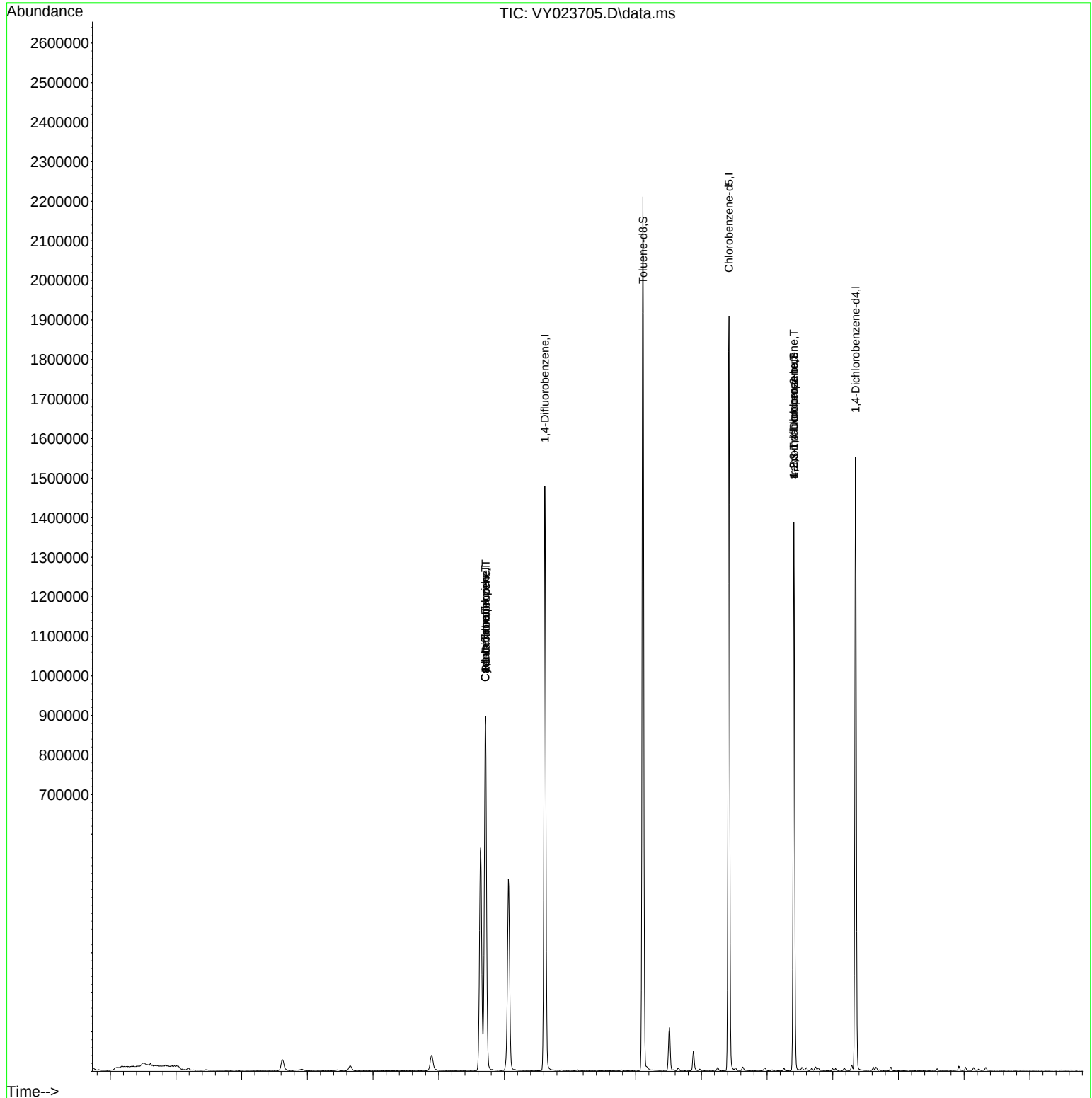
Internal Standards						
1) Pentafluorobenzene	7.713	168	733523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1292894	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1074713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	410948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	366398	58.558	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.120%
35) Dibromofluoromethane	7.640	113	412502	51.054	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.100%
50) Toluene-d8	10.109	98	1464701	48.665	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.340%
62) 4-Bromofluorobenzene	12.408	95	403175	41.422	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.840%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	1129	2.798	ug/l #	74
20) Methylene Chloride	4.616	84	22189	2.955	ug/l	90
25) 2-Butanone	6.890	43	2178	1.211	ug/l #	67
31) Cyclohexane	7.707	56	13574	1.316	ug/l #	3
36) 1,1-Dichloropropene	7.713	75	51255	4.747	ug/l #	47
38) Carbon Tetrachloride	7.707	117	70144	5.514	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	199221	59.901	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	199221	135.372	ug/l #	14
95) Naphthalene	15.145	128	5267	5.652	ug/l	97

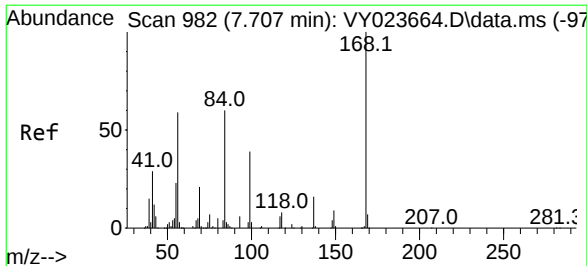
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

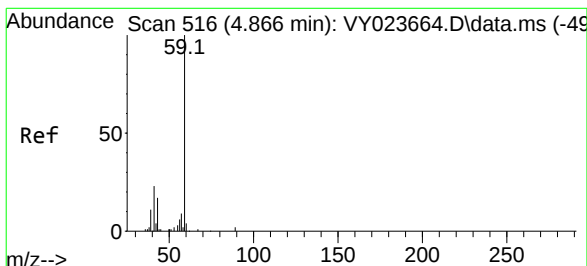
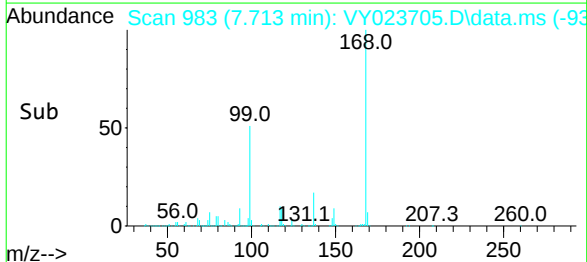
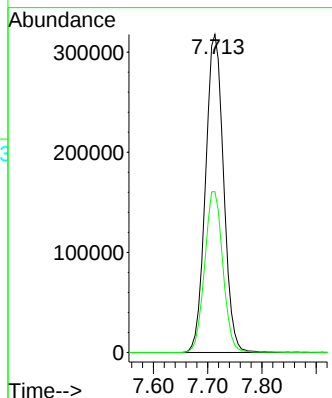
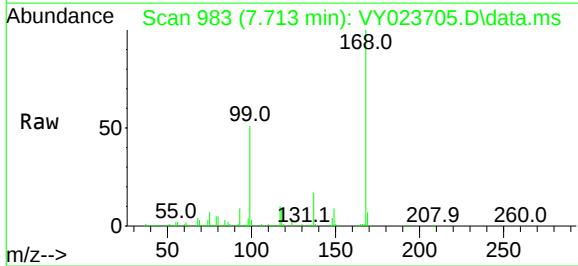




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY023705.D
Acq: 07 Nov 2025 09:25

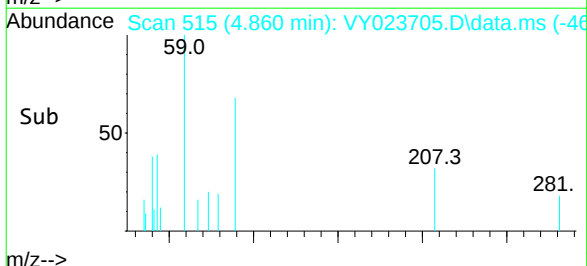
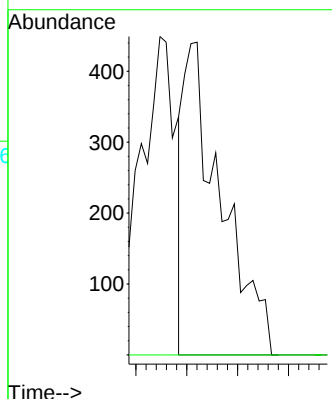
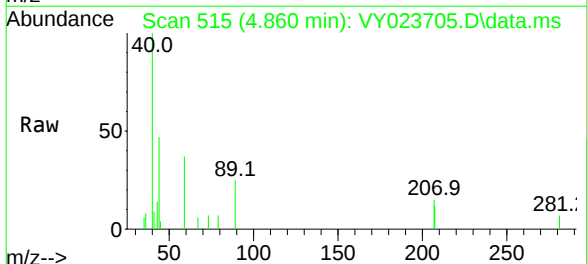
Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

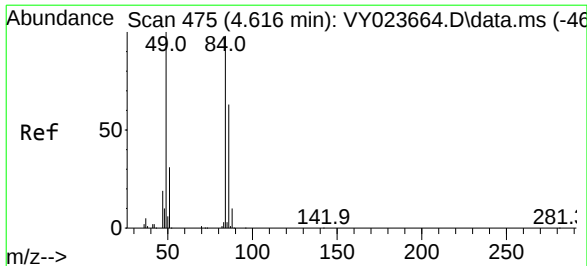
Tgt Ion:168 Resp: 733523
Ion Ratio Lower Upper
168 100
99 50.6 41.0 61.4



#11
Tert butyl alcohol
Concen: 2.798 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY023705.D
Acq: 07 Nov 2025 09:25

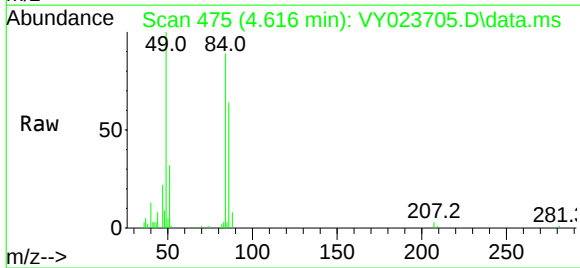
Tgt Ion: 59 Resp: 1129
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



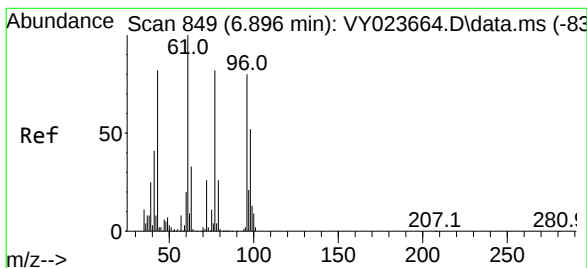
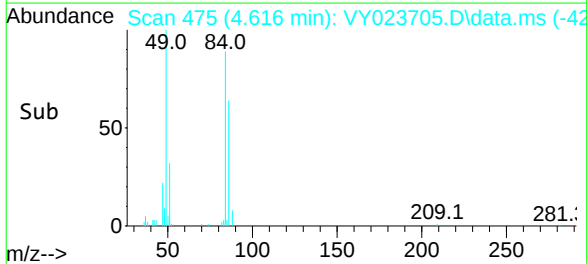
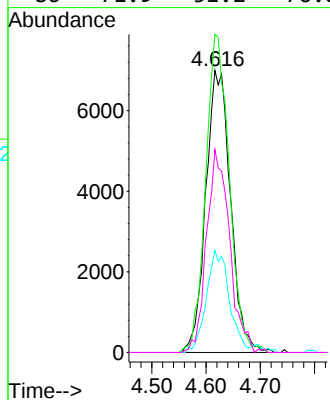


#20
Methylene Chloride
Concen: 2.955 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY023705.D
Acq: 07 Nov 2025 09:25

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

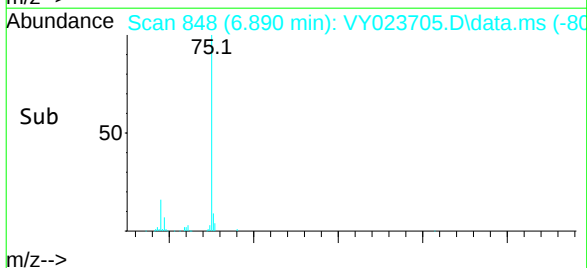
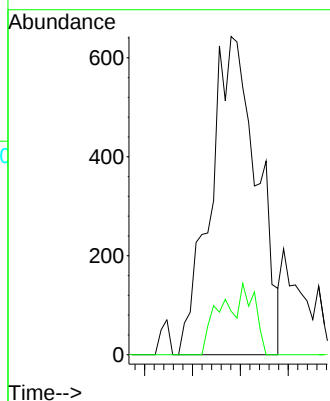
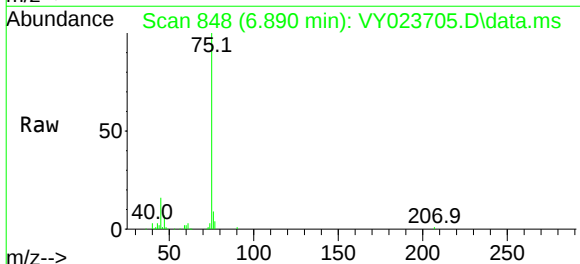


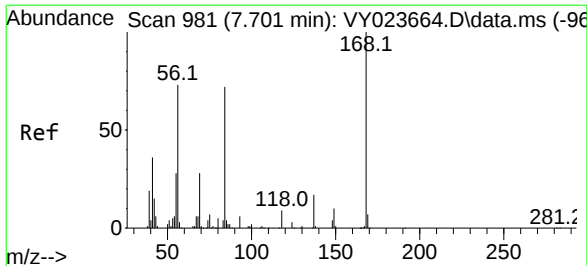
Tgt Ion:	84	Resp:	22189
Ion	Ratio	Lower	Upper
84	100		
49	112.8	81.5	122.3
51	36.2	25.5	38.3
86	71.9	51.2	76.8



#25
2-Butanone
Concen: 1.211 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY023705.D
Acq: 07 Nov 2025 09:25

Tgt Ion:	43	Resp:	2178
Ion	Ratio	Lower	Upper
43	100		
72	13.7	25.7	38.5





#31

Cyclohexane

Concen: 1.316 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023705.D

Acq: 07 Nov 2025 09:25

Instrument :

MSVOA_Y

ClientSampleId :

VY1107SBL01

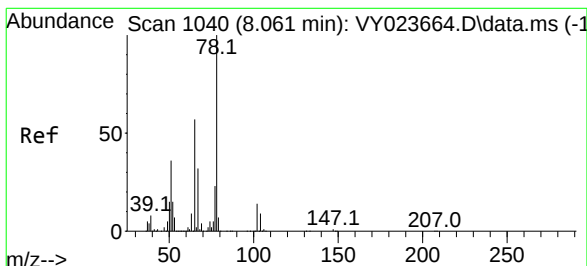
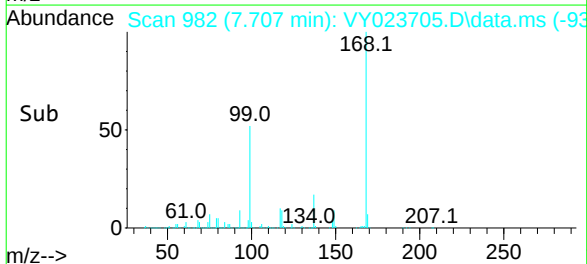
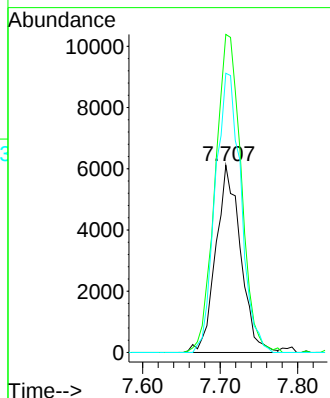
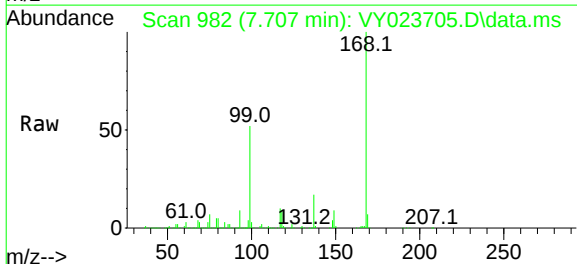
Tgt Ion: 56 Resp: 13574

Ion Ratio Lower Upper

56 100

69 169.9 30.5 45.7#

84 149.2 79.0 118.4#



#33

1,2-Dichloroethane-d4

Concen: 58.558 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023705.D

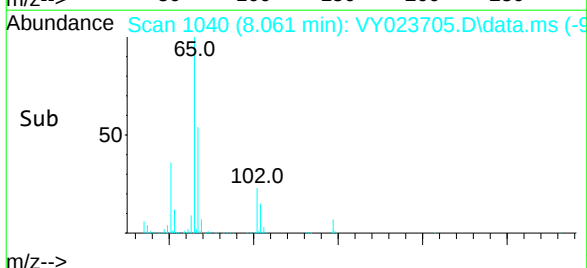
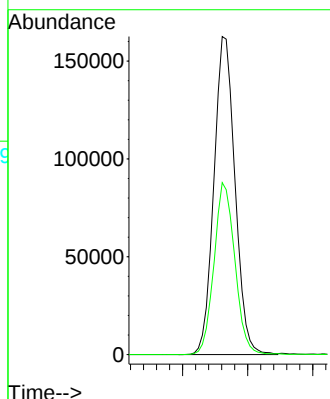
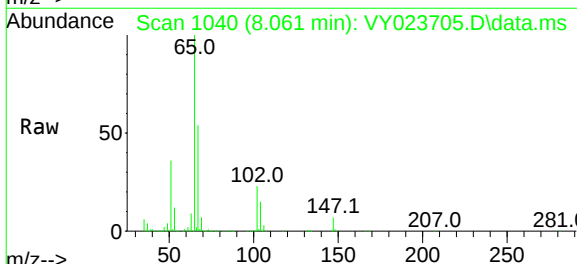
Acq: 07 Nov 2025 09:25

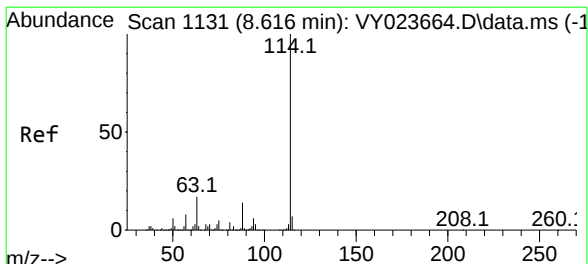
Tgt Ion: 65 Resp: 366398

Ion Ratio Lower Upper

65 100

67 53.4 0.0 107.4



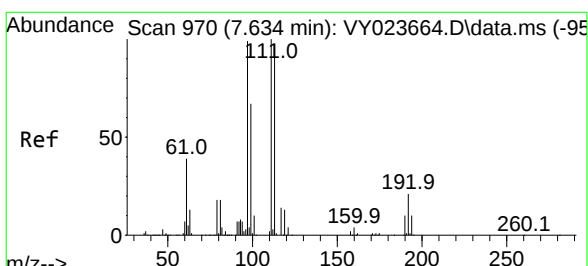
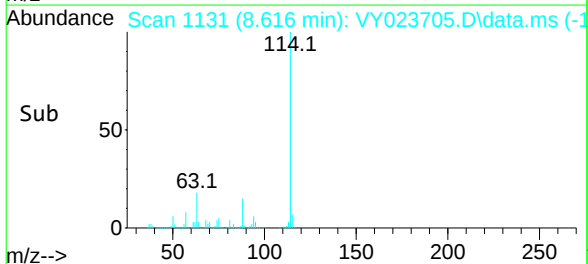
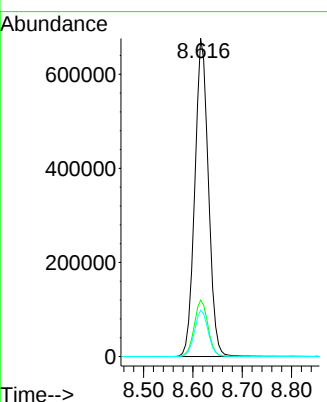
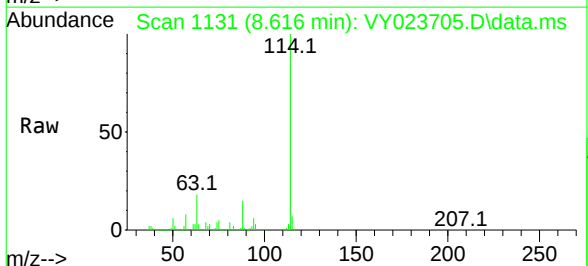


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY023705.D
 Acq: 07 Nov 2025 09:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1107SBL01

Tgt Ion:114 Resp: 1292894

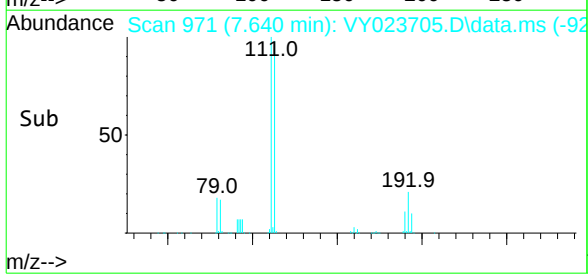
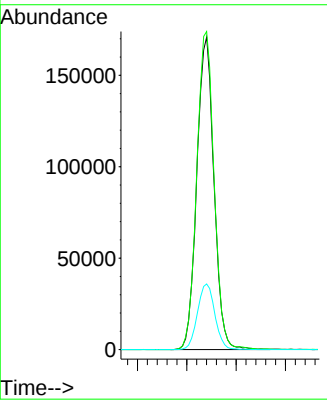
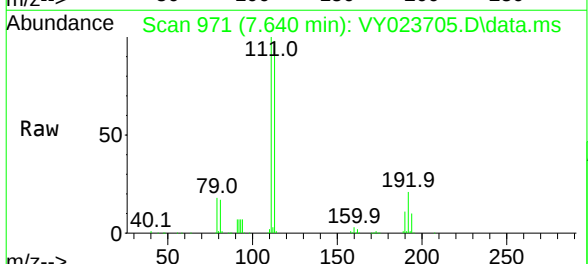
Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	33.8
88	14.5	0.0	29.0

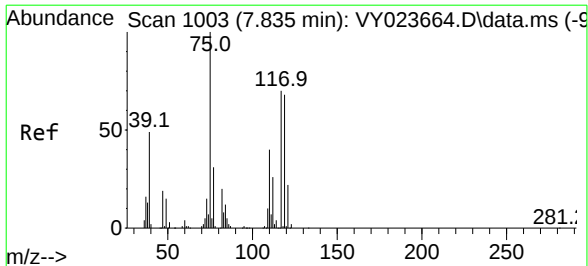


#35
 Dibromofluoromethane
 Concen: 51.054 ug/l
 RT: 7.640 min Scan# 971
 Delta R.T. 0.006 min
 Lab File: VY023705.D
 Acq: 07 Nov 2025 09:25

Tgt Ion:113 Resp: 412502

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.2	123.4
192	21.3	17.3	25.9

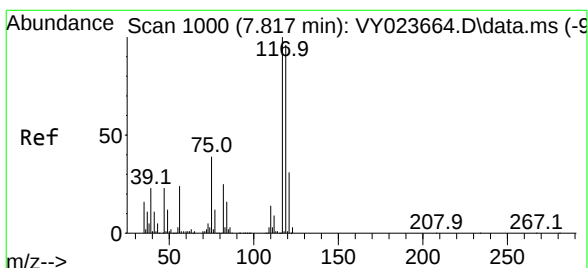
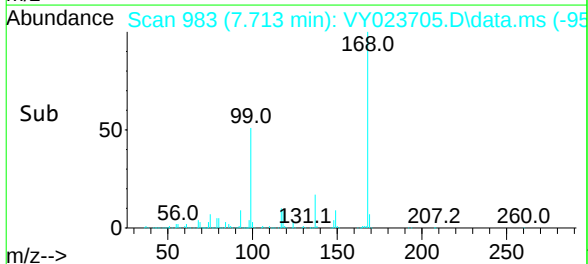
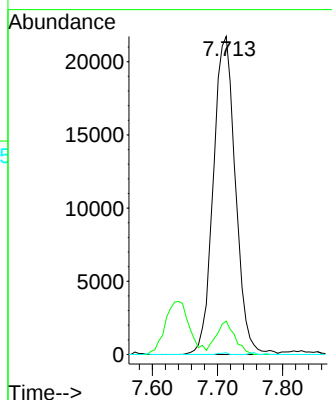
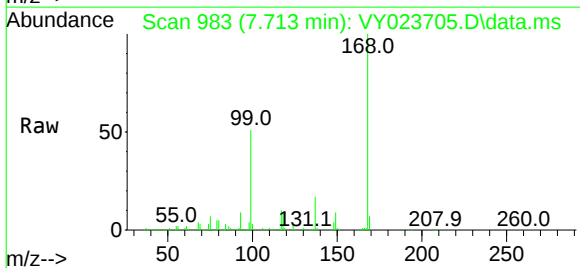




#36
1,1-Dichloropropene
Concen: 4.747 ug/l
RT: 7.713 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY023705.D
Acq: 07 Nov 2025 09:25

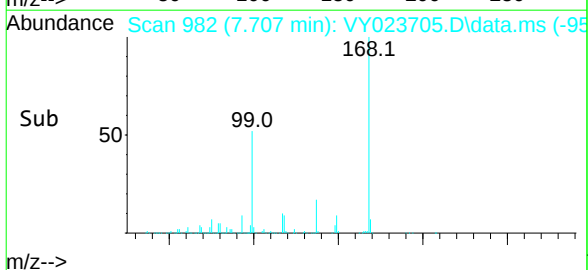
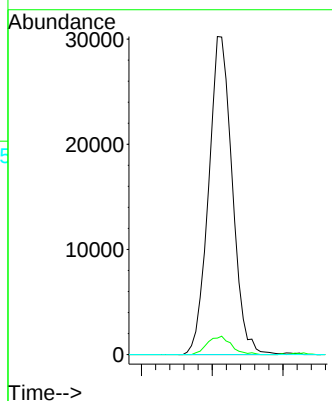
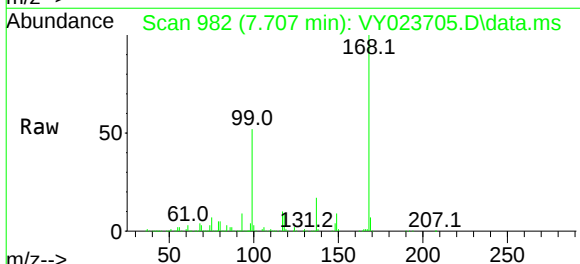
Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

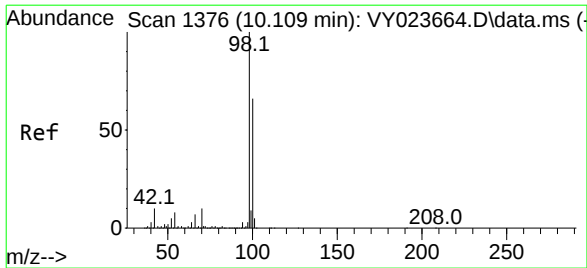
Tgt Ion:	75	Resp:	51255
Ion	Ratio	Lower	Upper
75	100		
110	8.9	19.7	59.0#
77	0.2	25.2	37.8#



#38
Carbon Tetrachloride
Concen: 5.514 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY023705.D
Acq: 07 Nov 2025 09:25

Tgt Ion:	117	Resp:	70144
Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.3	114.5#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 48.665 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY023705.D

Acq: 07 Nov 2025 09:25

Instrument :

MSVOA_Y

ClientSampleId :

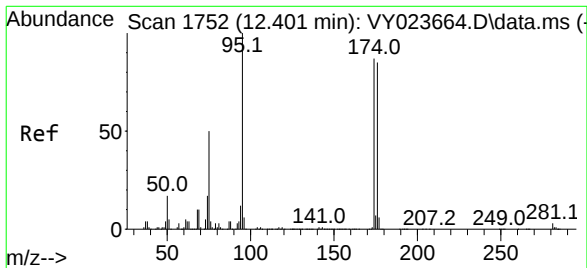
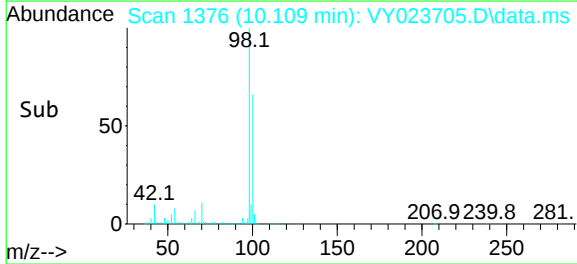
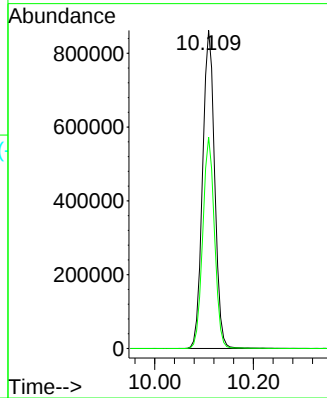
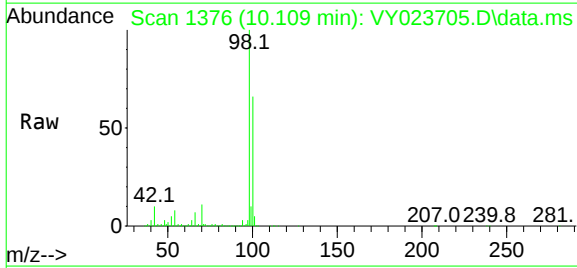
VY1107SBL01

Tgt Ion: 98 Resp: 1464701

Ion Ratio Lower Upper

98 100

100 64.6 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 41.422 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023705.D

Acq: 07 Nov 2025 09:25

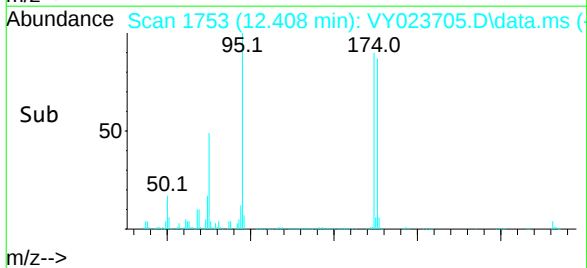
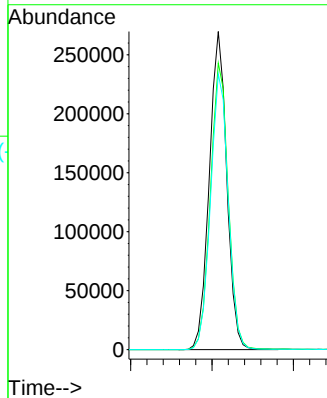
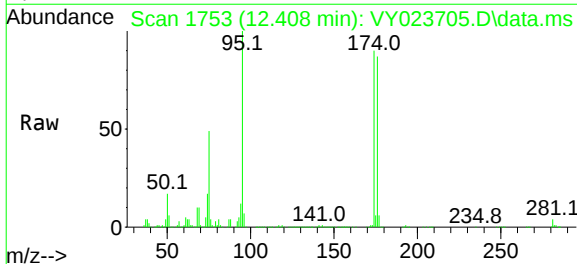
Tgt Ion: 95 Resp: 403175

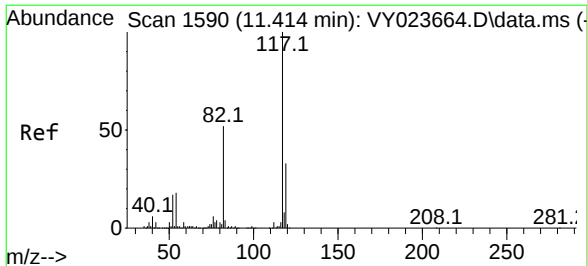
Ion Ratio Lower Upper

95 100

174 91.7 0.0 184.8

176 88.0 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY023705.D

Acq: 07 Nov 2025 09:25

Instrument :

MSVOA_Y

ClientSampleId :

VY1107SBL01

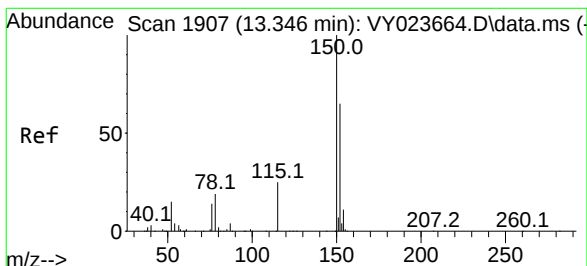
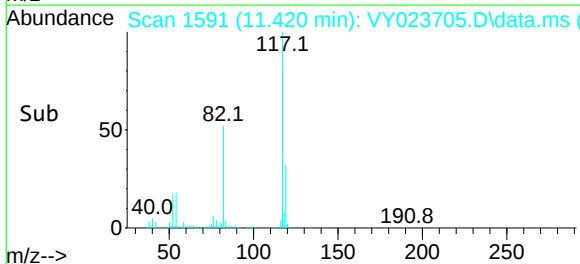
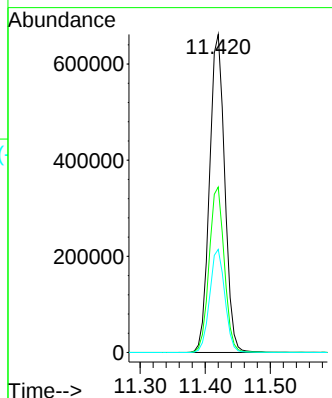
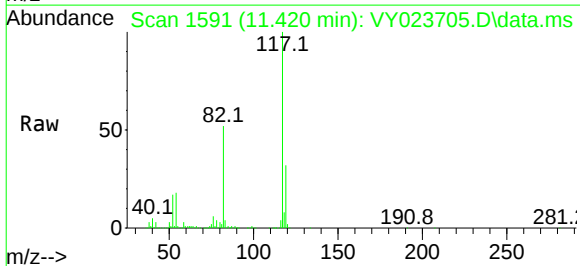
Tgt Ion:117 Resp: 1074713

Ion Ratio Lower Upper

117 100

82 52.0 41.2 61.8

119 32.4 26.2 39.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023705.D

Acq: 07 Nov 2025 09:25

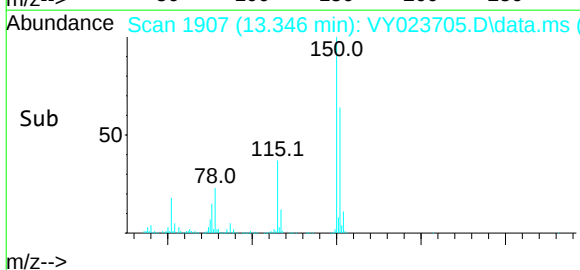
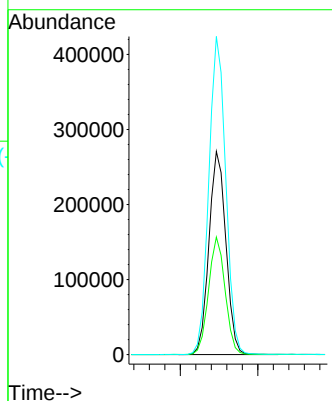
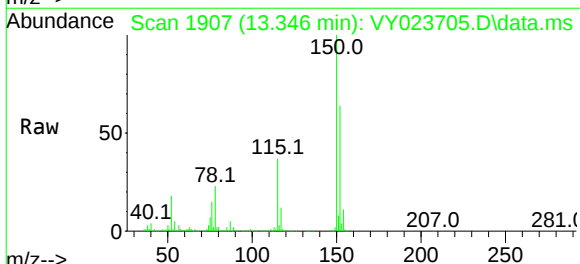
Tgt Ion:152 Resp: 410948

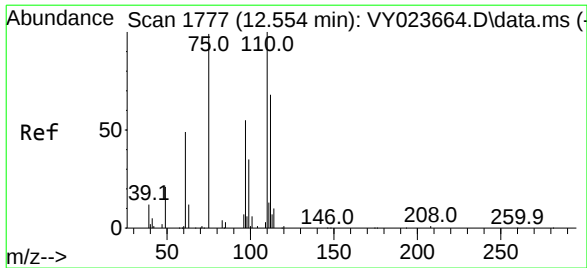
Ion Ratio Lower Upper

152 100

115 56.7 27.5 82.5

150 156.0 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 59.901 ug/l

RT: 12.408 min Scan# 17

Delta R.T. -0.146 min

Lab File: VY023705.D

Acq: 07 Nov 2025 09:25

Instrument :

MSVOA_Y

ClientSampleId :

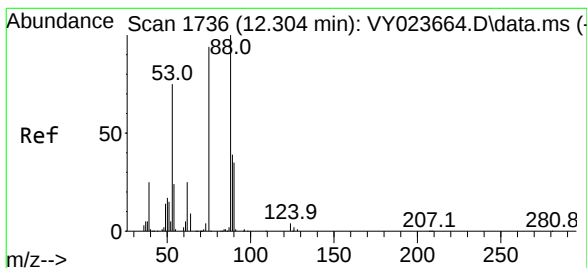
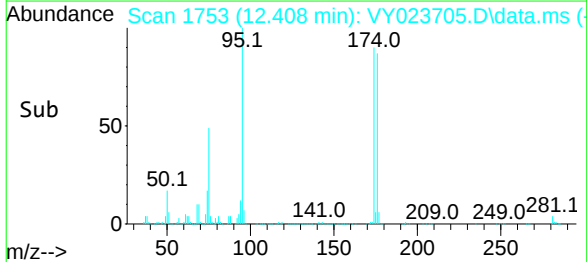
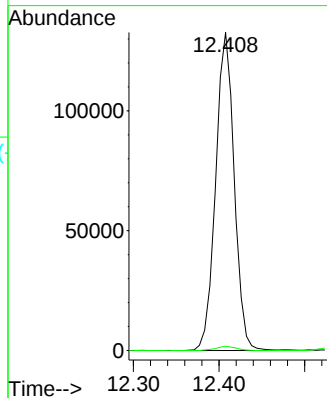
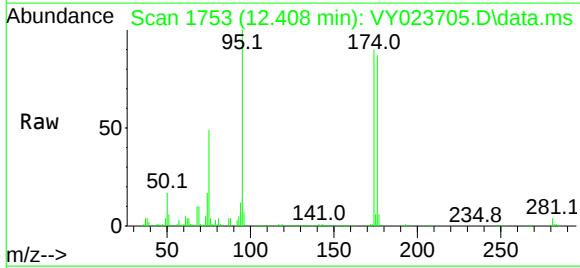
VY1107SBL01

Tgt Ion: 75 Resp: 199221

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 135.372 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY023705.D

Acq: 07 Nov 2025 09:25

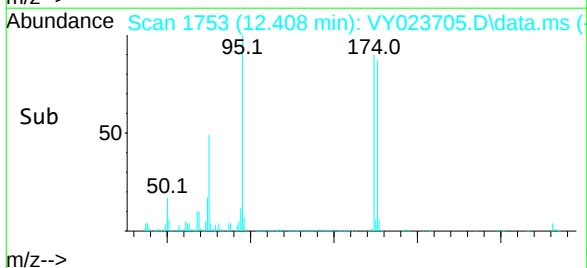
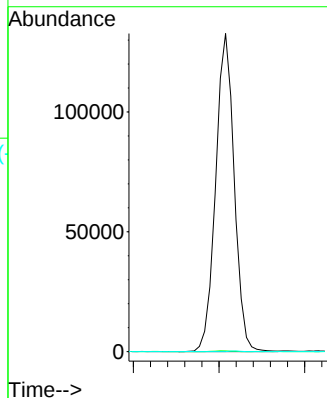
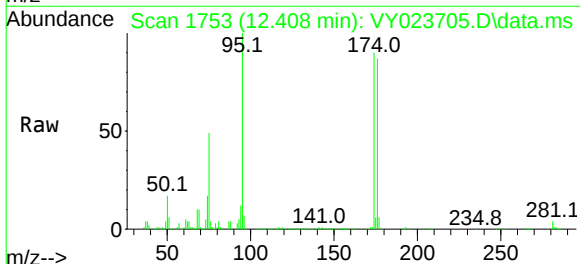
Tgt Ion: 75 Resp: 199221

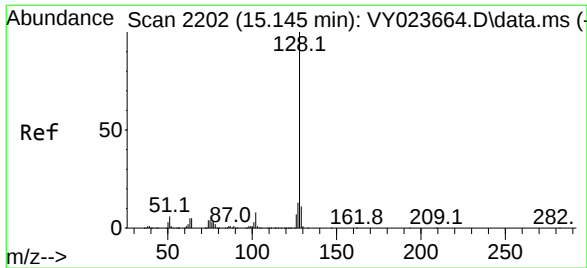
Ion Ratio Lower Upper

75 100

53 0.2 69.6 104.4#

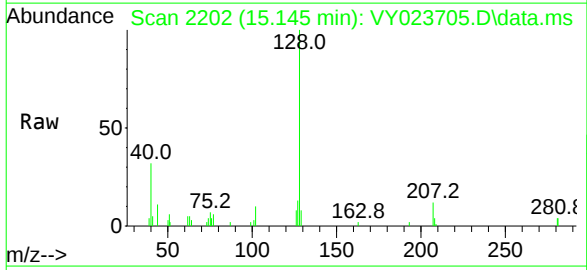
89 0.1 38.2 57.4#





#95
Naphthalene
Concen: 5.652 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY023705.D
Acq: 07 Nov 2025 09:25

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01



Tgt Ion:	128	Resp:	5267
Ion Ratio	Lower	Upper	
128	100		
127	15.2	10.5	15.7
129	11.1	8.8	13.2

