

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021441.D
 Acq On : 06 Mar 2025 17:46
 Operator : SY/MD
 Sample : Q1463-01
 Misc : 6.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T1

Quant Time: Mar 07 00:41:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

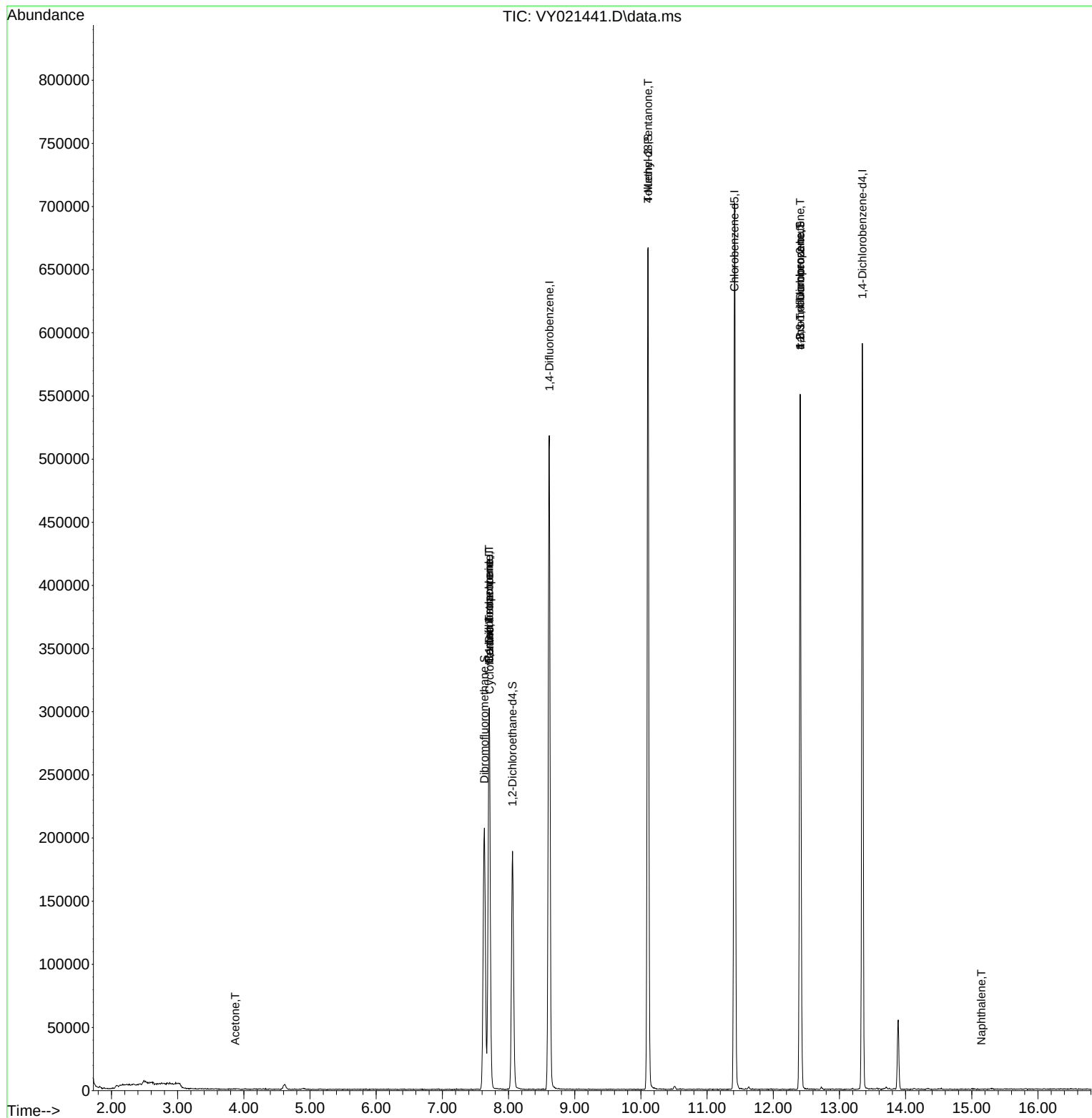
Internal Standards						
1) Pentafluorobenzene	7.707	168	222165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	418468	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	361430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	139247	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148589	63.279	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.560%	
35) Dibromofluoromethane	7.634	113	144278	52.452	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.900%	
50) Toluene-d8	10.109	98	419298	40.260	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 80.520%	
62) 4-Bromofluorobenzene	12.408	95	149255	42.130	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.260%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.665	59	20	Below Cal	#	72
16) Acetone	3.873	43	751	1.466	ug/l	91
31) Cyclohexane	7.713	56	5596	1.272	ug/l #	37
36) 1,1-Dichloropropene	7.707	75	19499	4.529	ug/l #	49
38) Carbon Tetrachloride	7.707	117	23796	4.806	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	2055	1.078	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	84264	60.053	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	84264	136.518	ug/l #	9
95) Naphthalene	15.145	128	138	1.485	ug/l #	69

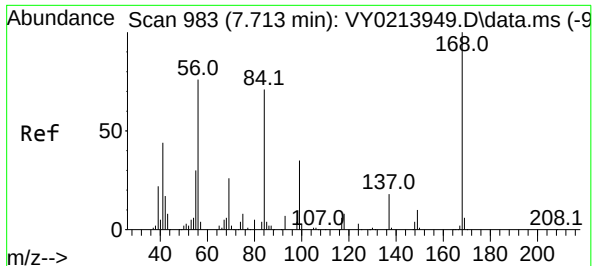
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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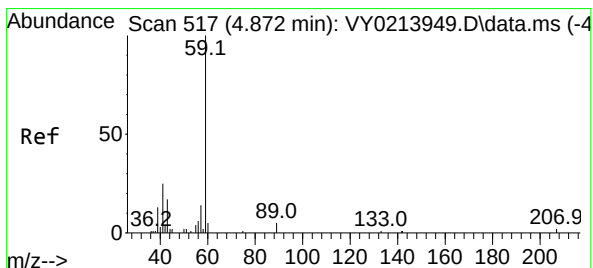
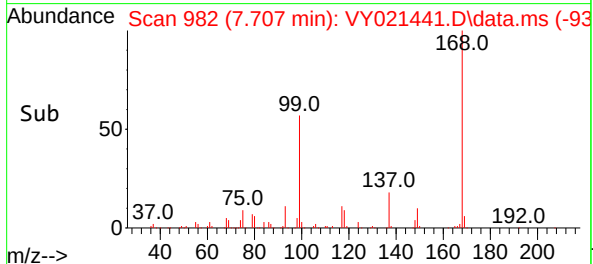
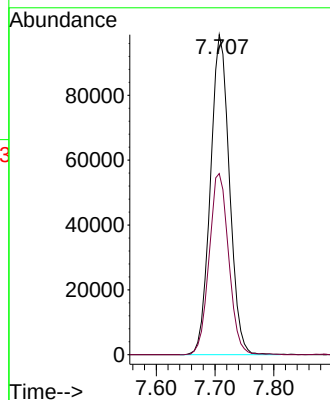
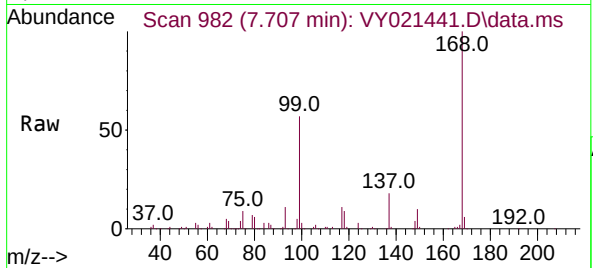




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021441.D
Acq: 06 Mar 2025 17:46

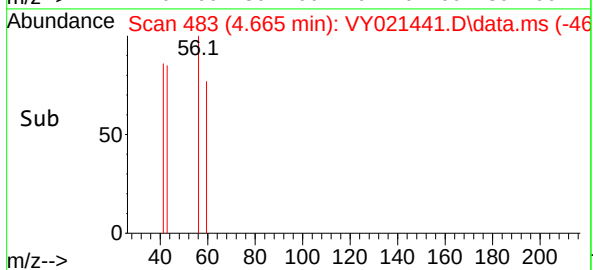
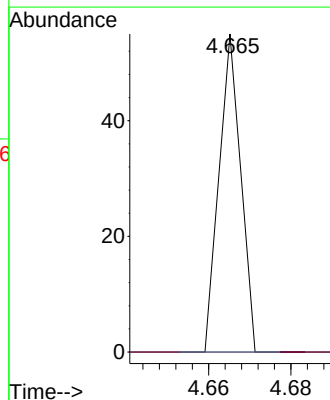
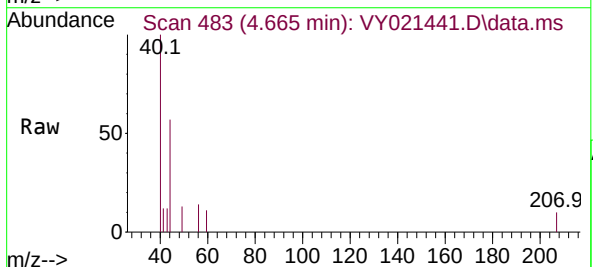
Instrument :
MSVOA_Y
ClientSampleId :
T1

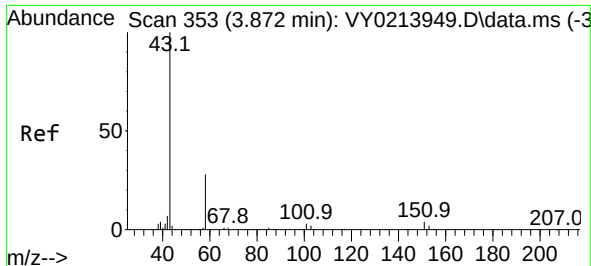
Tgt Ion:168 Resp: 222165
Ion Ratio Lower Upper
168 100
99 56.6 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.665 min Scan# 483
Delta R.T. -0.207 min
Lab File: VY021441.D
Acq: 06 Mar 2025 17:46

Tgt Ion: 59 Resp: 20
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

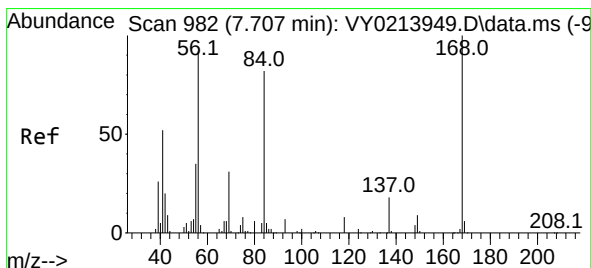
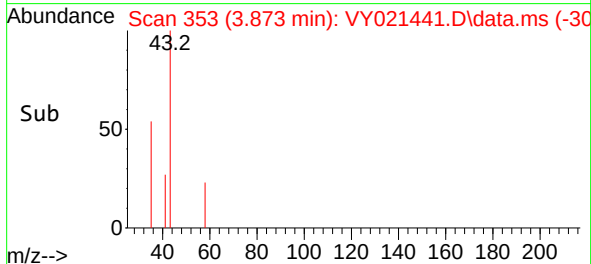
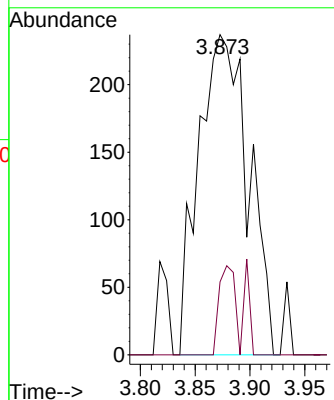
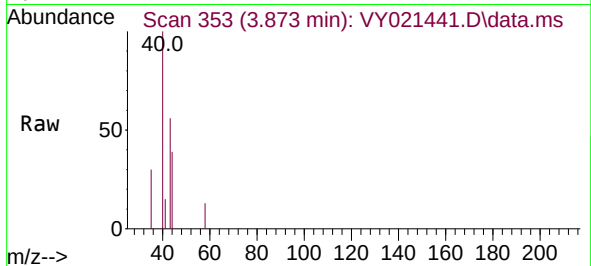




#16
Acetone
Concen: 1.466 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.001 min
Lab File: VY021441.D
Acq: 06 Mar 2025 17:46

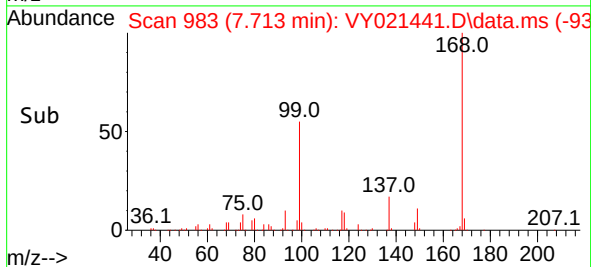
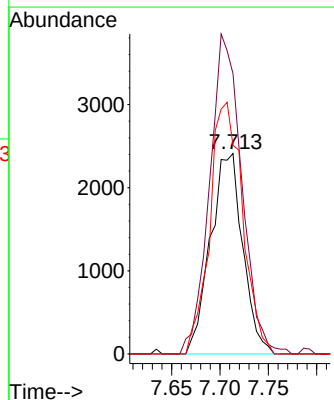
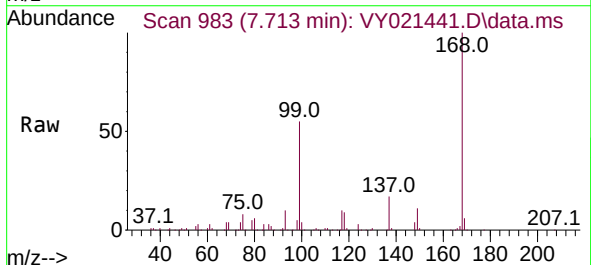
Instrument :
MSVOA_Y
ClientSampleId :
T1

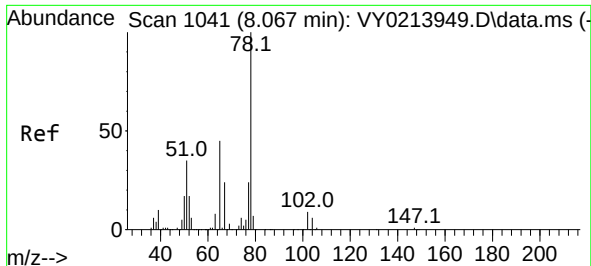
Tgt Ion: 43 Resp: 751
Ion Ratio Lower Upper
43 100
58 22.8 22.1 33.1



#31
Cyclohexane
Concen: 1.272 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY021441.D
Acq: 06 Mar 2025 17:46

Tgt Ion: 56 Resp: 5596
Ion Ratio Lower Upper
56 100
69 139.8 27.0 40.4#
84 104.0 71.1 106.7





#33

1,2-Dichloroethane-d4

Concen: 63.279 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY021441.D

Acq: 06 Mar 2025 17:46

Instrument :

MSVOA_Y

ClientSampleId :

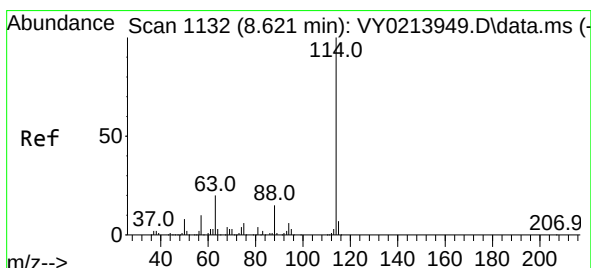
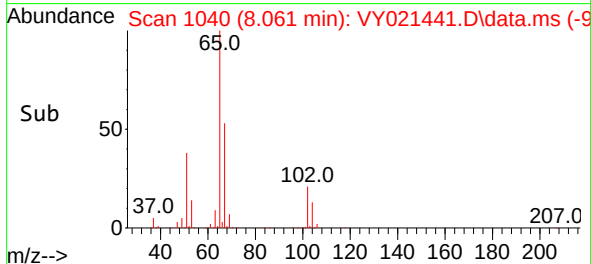
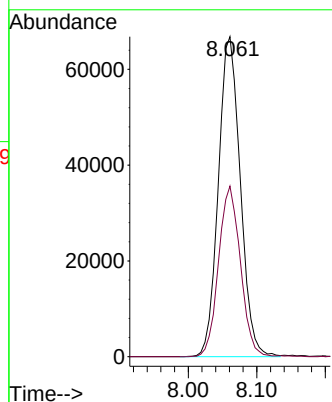
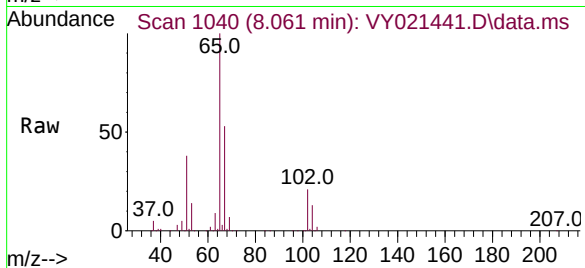
T1

Tgt Ion: 65 Resp: 148589

Ion Ratio Lower Upper

65 100

67 53.1 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021441.D

Acq: 06 Mar 2025 17:46

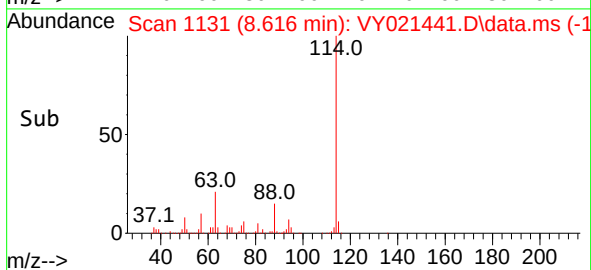
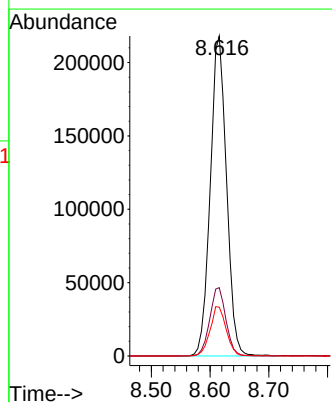
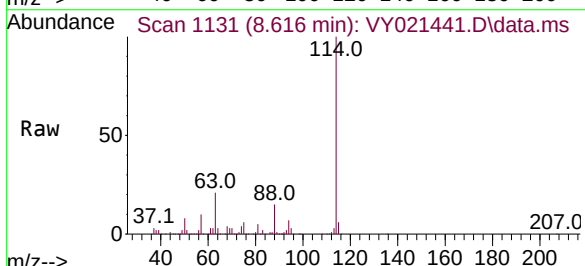
Tgt Ion: 114 Resp: 418468

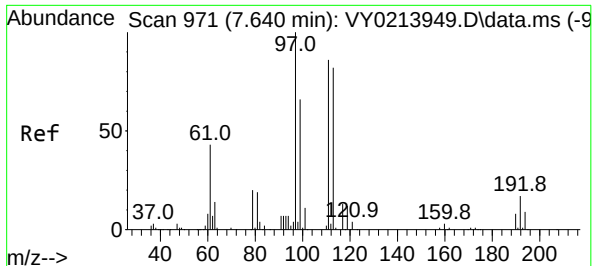
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

88 15.2 0.0 30.8





#35

Dibromofluoromethane

Concen: 52.452 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021441.D

Acq: 06 Mar 2025 17:46

Instrument :

MSVOA_Y

ClientSampleId :

T1

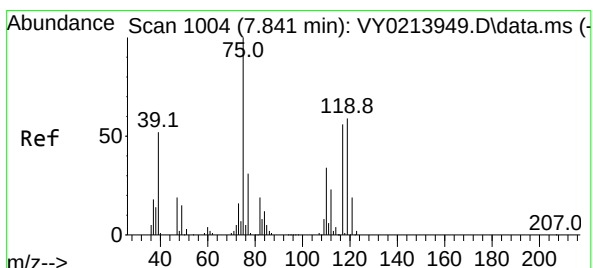
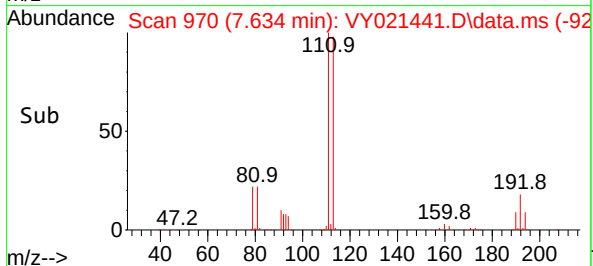
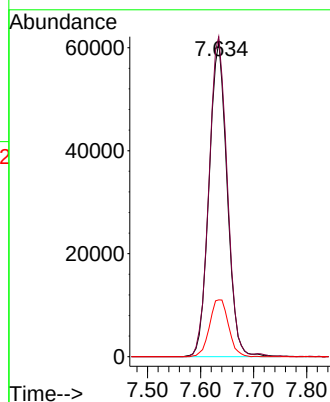
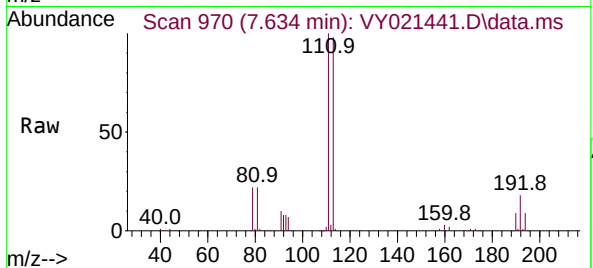
Tgt Ion:113 Resp: 144278

Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

192 19.0 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.529 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021441.D

Acq: 06 Mar 2025 17:46

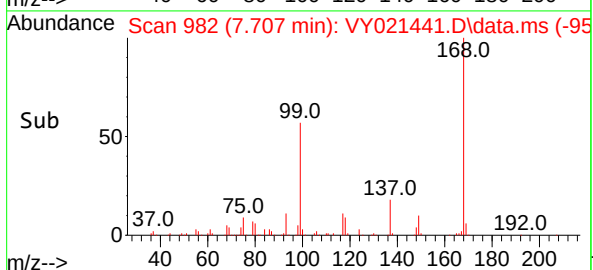
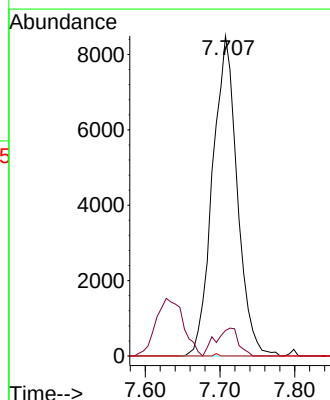
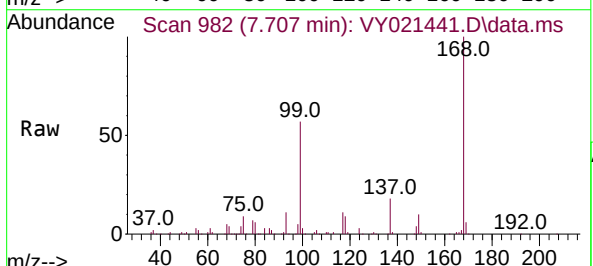
Tgt Ion: 75 Resp: 19499

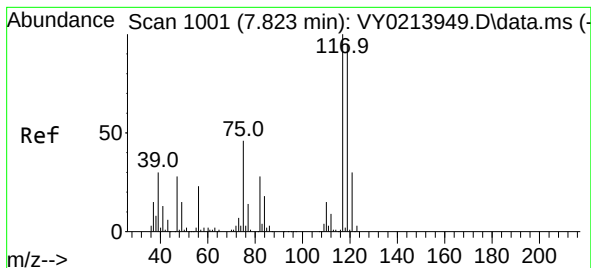
Ion Ratio Lower Upper

75 100

110 8.1 17.3 51.7#

77 0.1 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 4.806 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.115 min

Lab File: VY021441.D

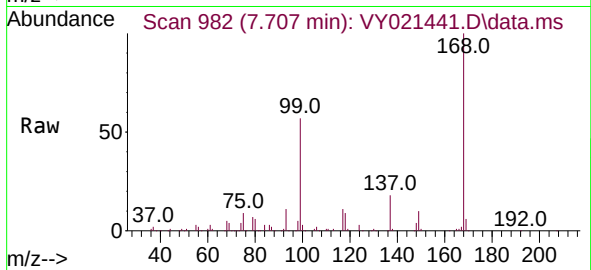
Acq: 06 Mar 2025 17:46

Instrument :

MSVOA_Y

ClientSampleId :

T1



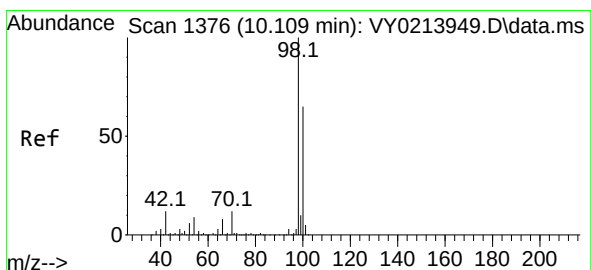
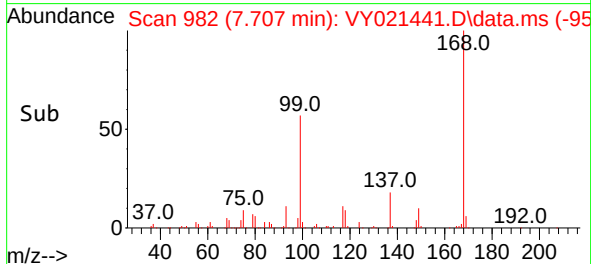
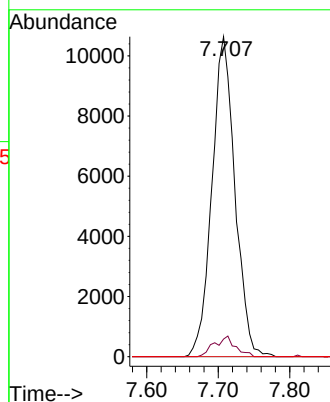
Tgt Ion:117 Resp: 23796

Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.8#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 40.260 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021441.D

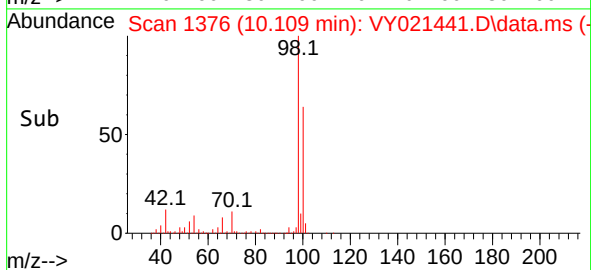
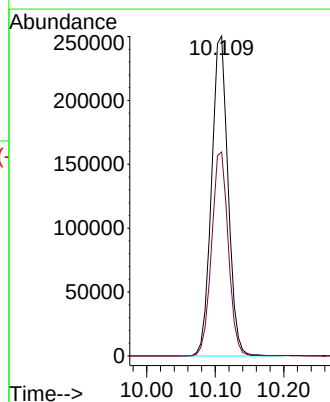
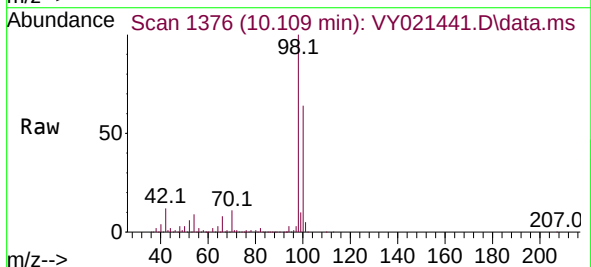
Acq: 06 Mar 2025 17:46

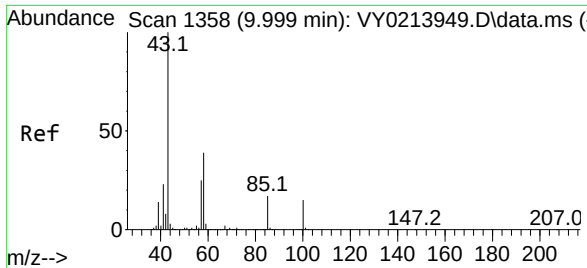
Tgt Ion: 98 Resp: 419298

Ion Ratio Lower Upper

98 100

100 64.4 52.1 78.1

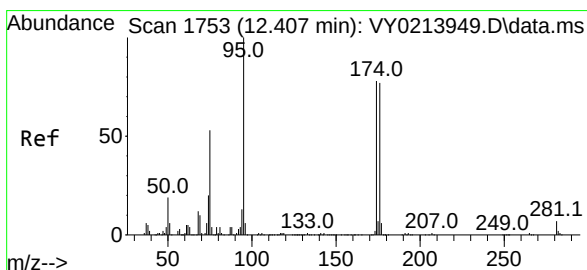
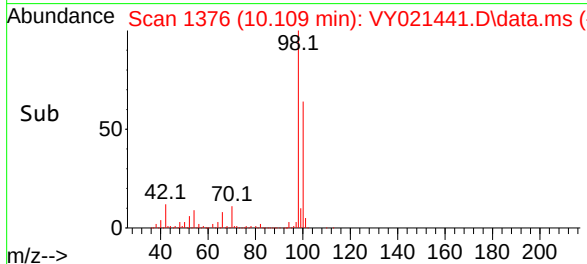
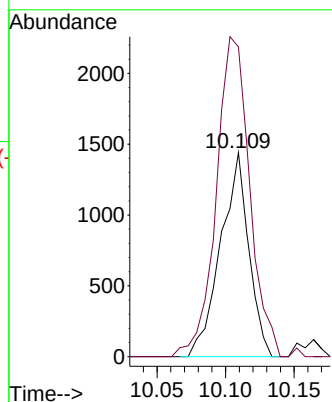
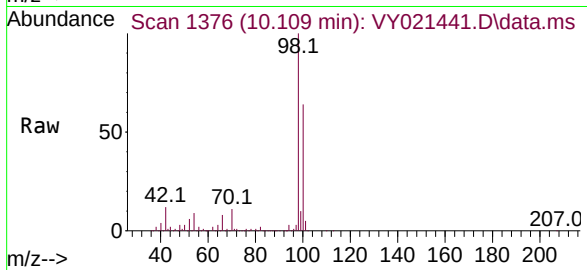




#51
4-Methyl-2-Pentanone
Concen: 1.078 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY021441.D
Acq: 06 Mar 2025 17:46

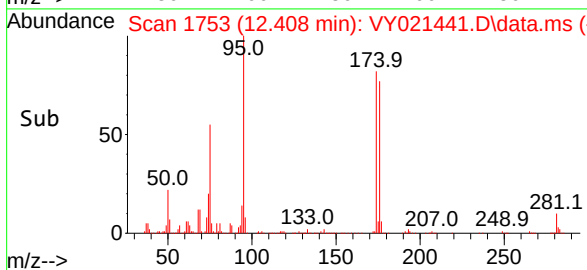
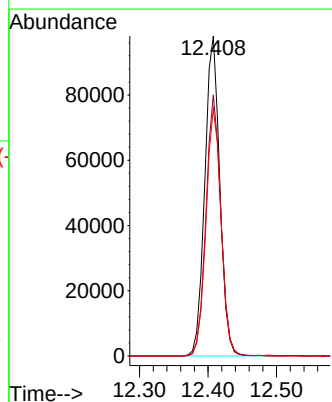
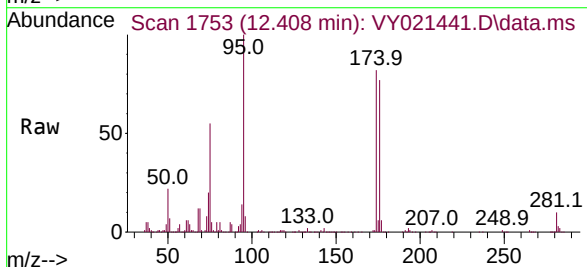
Instrument :
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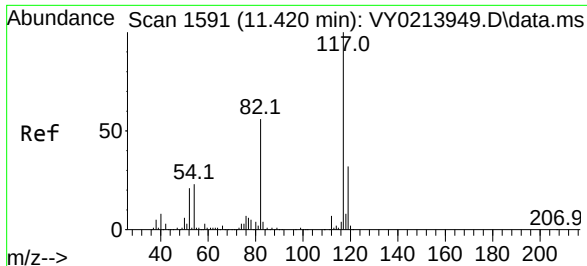
Tgt Ion: 43 Resp: 2055
Ion Ratio Lower Upper
43 100
58 186.4 31.4 47.2#



#62
4-Bromofluorobenzene
Concen: 42.130 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021441.D
Acq: 06 Mar 2025 17:46

Tgt Ion: 95 Resp: 149255
Ion Ratio Lower Upper
95 100
174 81.2 0.0 165.0
176 78.1 0.0 160.0

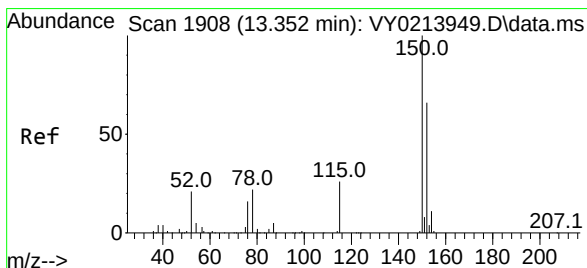
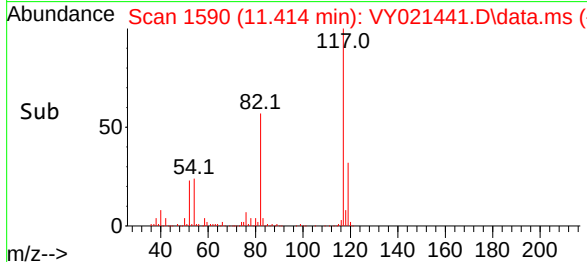
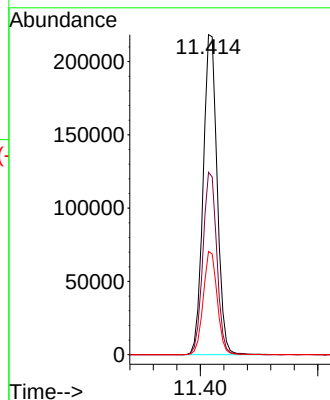
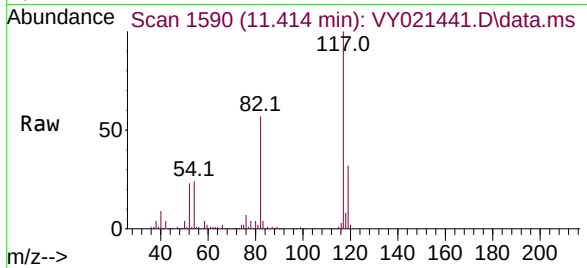




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021441.D
Acq: 06 Mar 2025 17:46

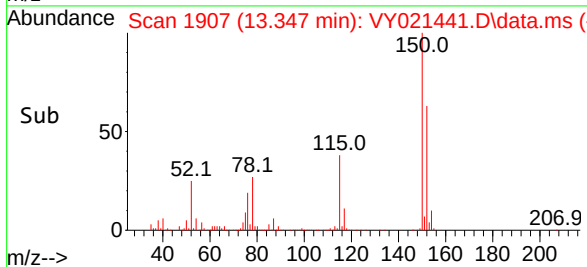
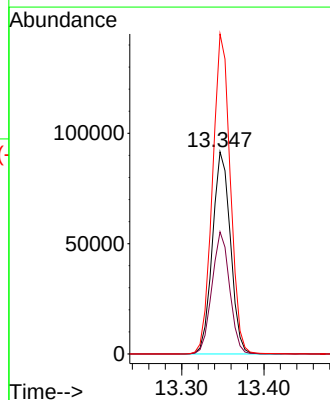
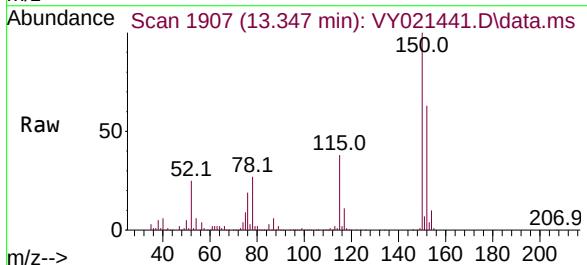
Instrument :
MSVOA_Y
ClientSampleId :
T1

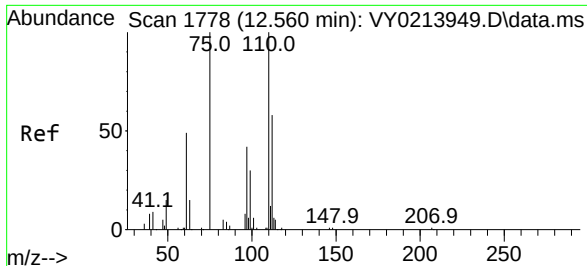
Tgt Ion:117 Resp: 361430
Ion Ratio Lower Upper
117 100
82 57.0 44.6 67.0
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021441.D
Acq: 06 Mar 2025 17:46

Tgt Ion:152 Resp: 139247
Ion Ratio Lower Upper
152 100
115 59.4 29.0 87.0
150 156.6 0.0 347.2

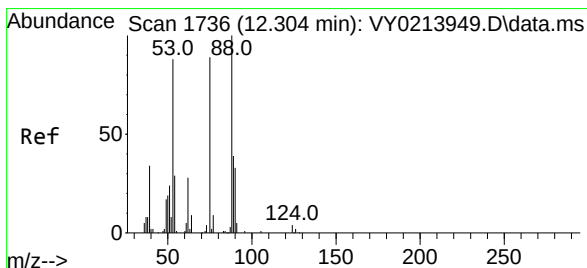
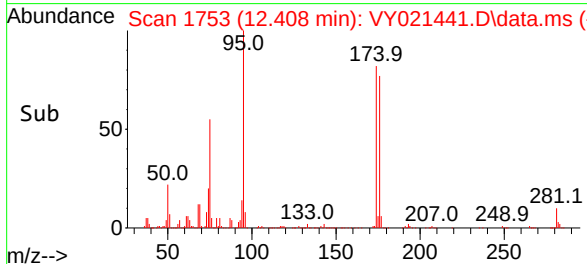
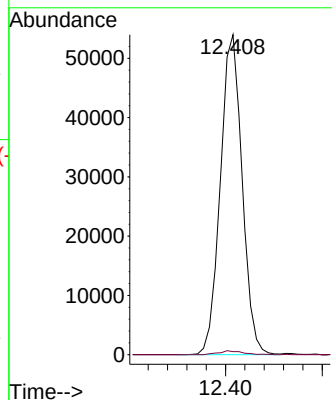
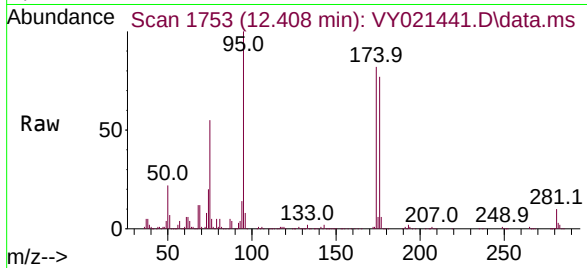




#76
 1,2,3-Trichloropropane
 Concen: 60.053 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021441.D
 Acq: 06 Mar 2025 17:46

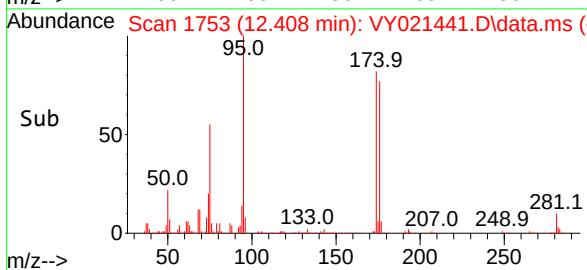
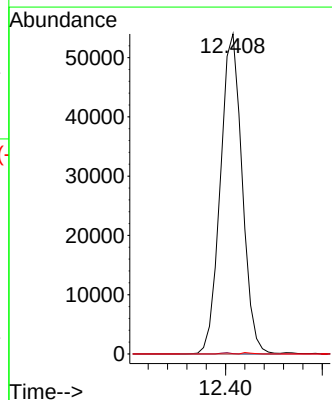
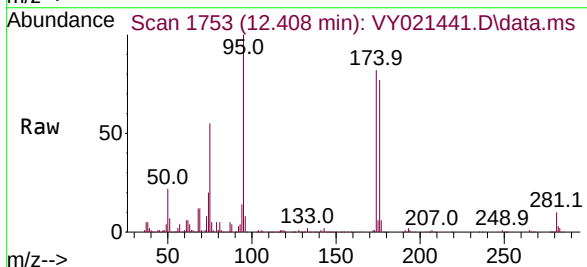
Instrument :
 MSVOA_Y
 ClientSampleId :
 T1

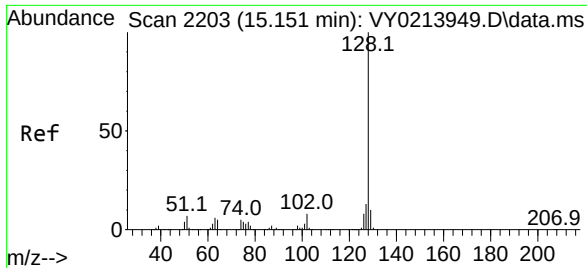
Tgt Ion: 75 Resp: 84264
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.518 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY021441.D
 Acq: 06 Mar 2025 17:46

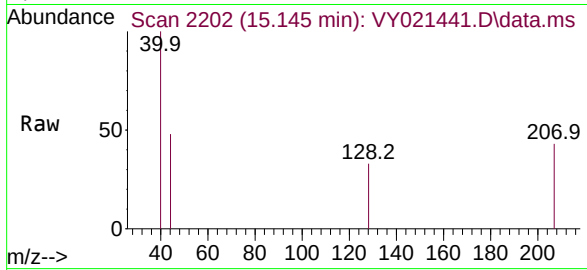
Tgt Ion: 75 Resp: 84264
 Ion Ratio Lower Upper
 75 100
 53 0.2 81.0 121.4#
 89 0.2 36.9 55.3#





#95
 Naphthalene
 Concen: 1.485 ug/l
 RT: 15.145 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY021441.D
 Acq: 06 Mar 2025 17:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 T1



Tgt Ion:	128	Resp:	138
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	13.0#

