

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021446.D
 Acq On : 06 Mar 2025 19:43
 Operator : SY/MD
 Sample : Q1463-08
 Misc : 6.85g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T8

Quant Time: Mar 07 00:42:54 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	214937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	365717	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	278068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	93699	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	110772	48.761	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.520%
35) Dibromofluoromethane	7.634	113	116073	48.285	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.580%
50) Toluene-d8	10.109	98	385363	42.338	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.680%
62) 4-Bromofluorobenzene	12.407	95	107342	34.670	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	69.340%

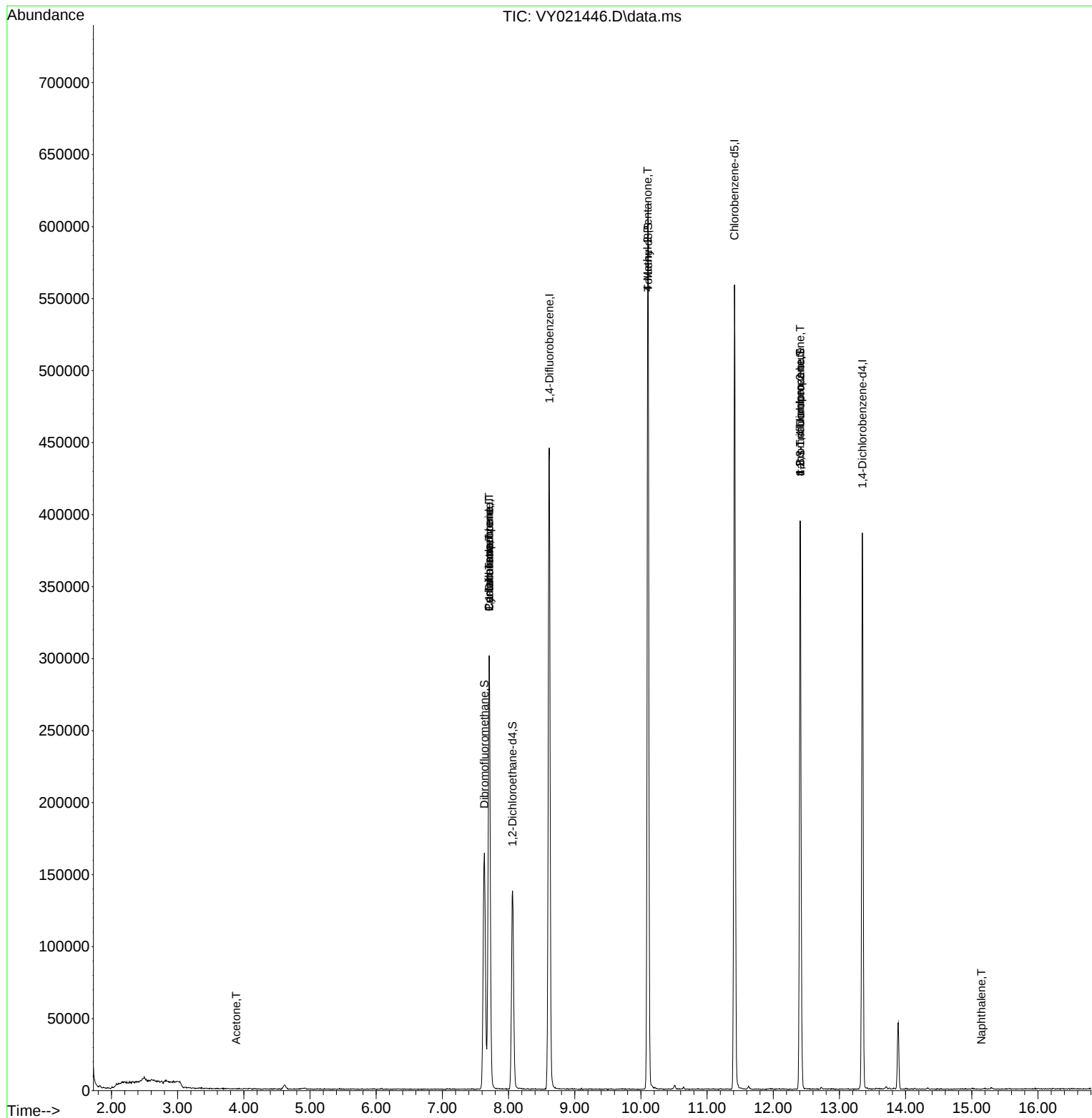
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.866	59	72	Below Cal	#	72
16) Acetone	3.885	43	504	1.017	ug/l #	47
31) Cyclohexane	7.707	56	5171	1.215	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	18369	4.882	ug/l #	51
38) Carbon Tetrachloride	7.707	117	23408	5.409	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	1845	1.108	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	59063	62.554	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	59063	142.205	ug/l #	10
95) Naphthalene	15.145	128	87	1.483	ug/l #	69

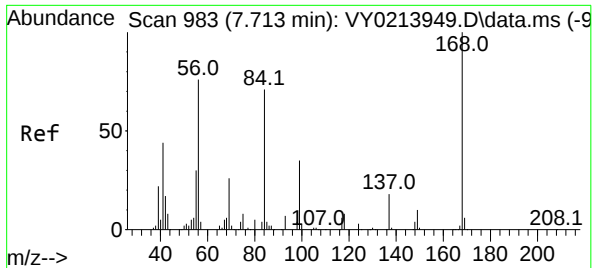
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

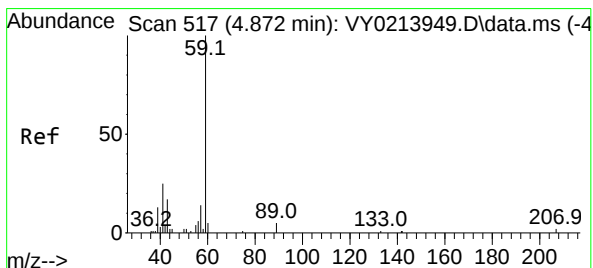
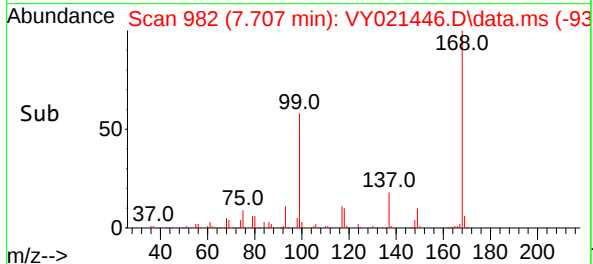
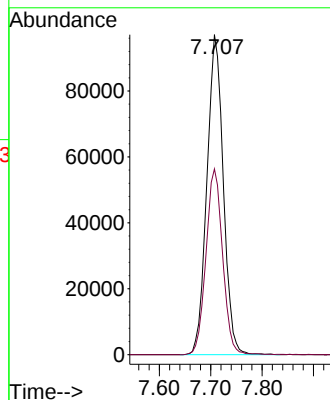
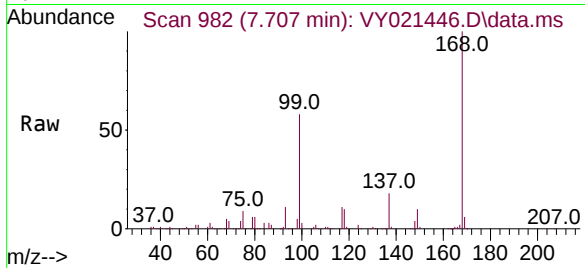




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021446.D
Acq: 06 Mar 2025 19:43

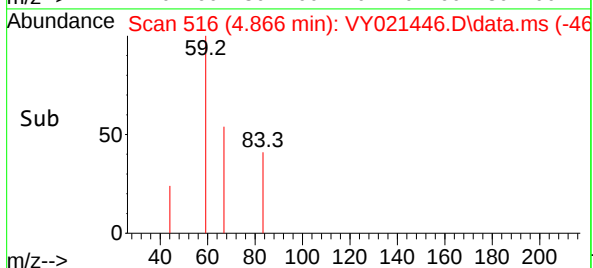
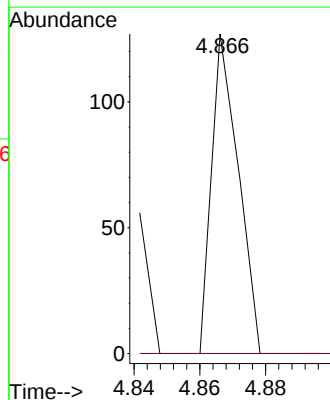
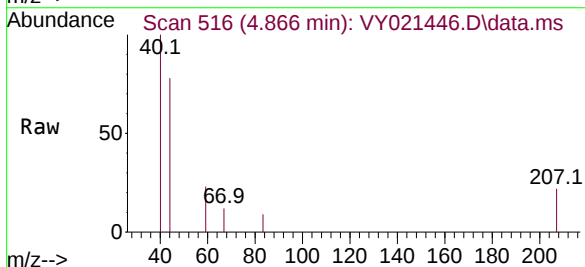
Instrument :
MSVOA_Y
ClientSampleId :
T8

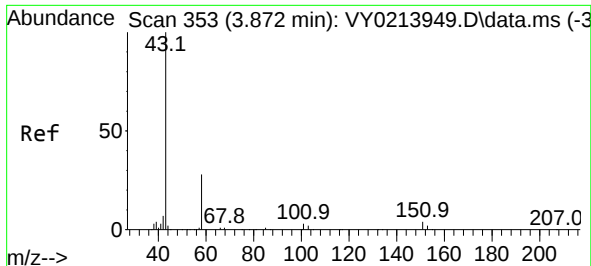
Tgt Ion:168 Resp: 214937
Ion Ratio Lower Upper
168 100
99 58.1 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.866 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY021446.D
Acq: 06 Mar 2025 19:43

Tgt Ion: 59 Resp: 72
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 1.017 ug/l

RT: 3.885 min Scan# 31

Delta R.T. 0.013 min

Lab File: VY021446.D

Acq: 06 Mar 2025 19:43

Instrument :

MSVOA_Y

ClientSampleId :

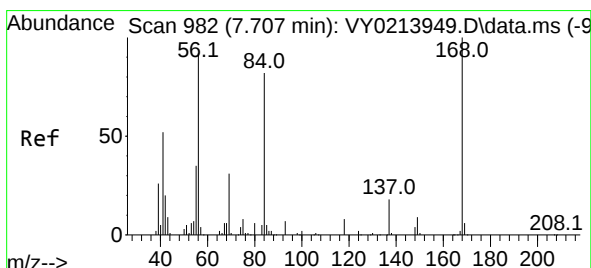
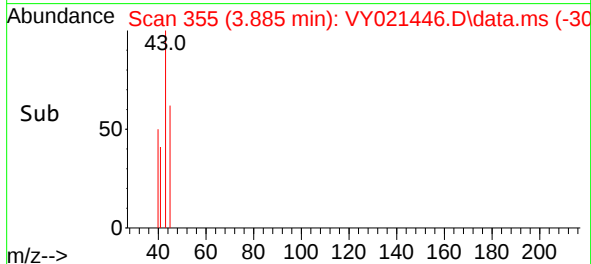
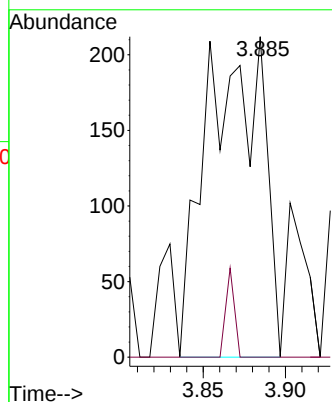
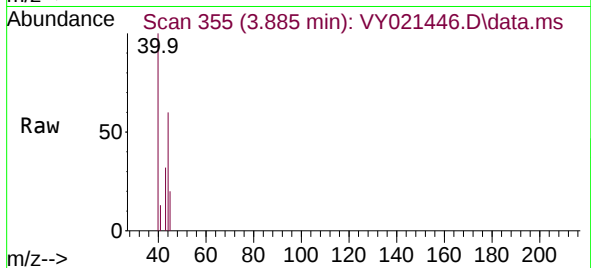
T8

Tgt Ion: 43 Resp: 504

Ion Ratio Lower Upper

43 100

58 0.0 22.1 33.1#



#31

Cyclohexane

Concen: 1.215 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.000 min

Lab File: VY021446.D

Acq: 06 Mar 2025 19:43

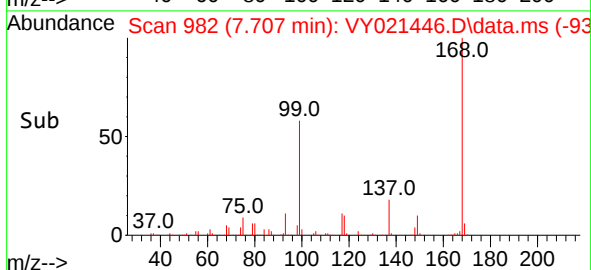
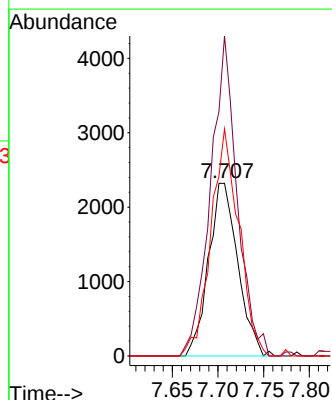
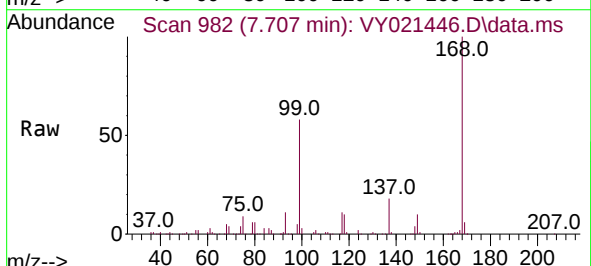
Tgt Ion: 56 Resp: 5171

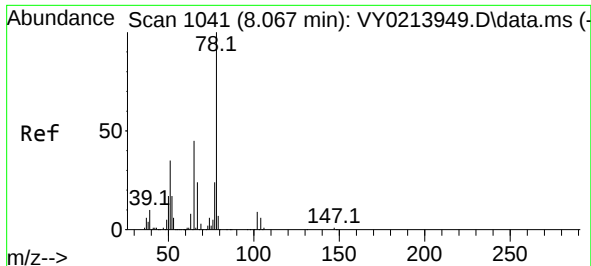
Ion Ratio Lower Upper

56 100

69 185.4 27.0 40.4#

84 131.5 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 48.761 ug/l

RT: 8.061 min Scan# 110772

Delta R.T. -0.006 min

Lab File: VY021446.D

Acq: 06 Mar 2025 19:43

Instrument :

MSVOA_Y

ClientSampleId :

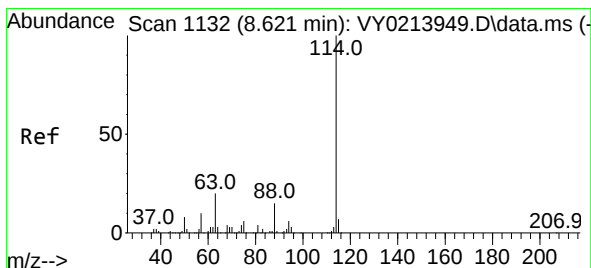
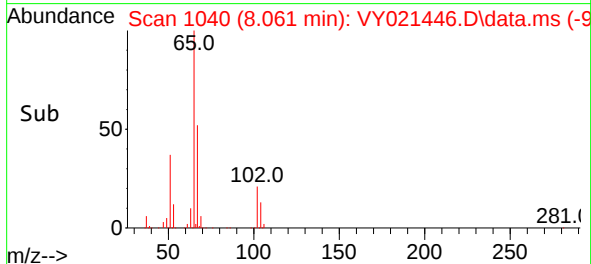
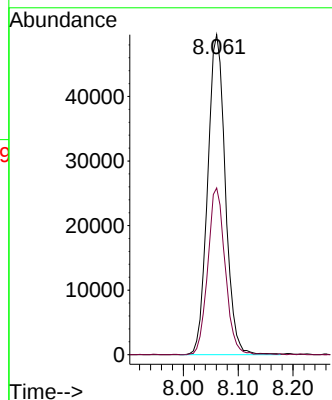
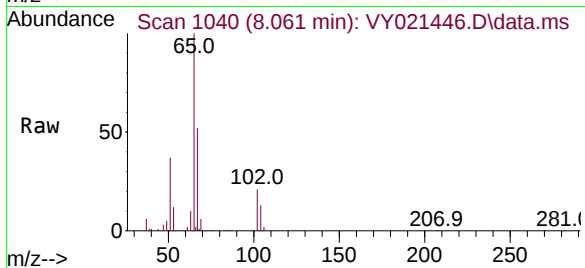
T8

Tgt Ion: 65 Resp: 110772

Ion Ratio Lower Upper

65 100

67 51.1 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021446.D

Acq: 06 Mar 2025 19:43

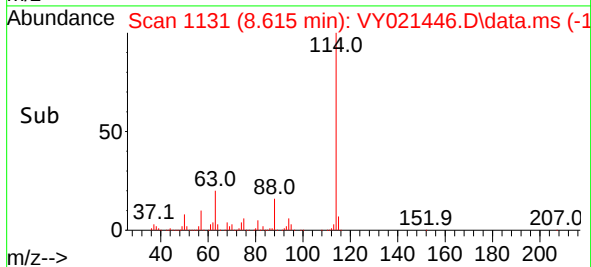
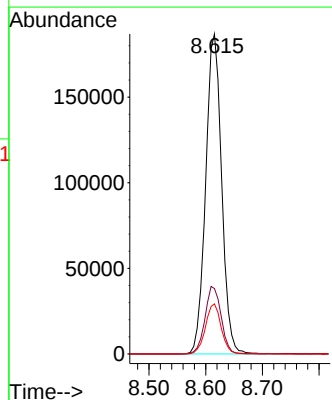
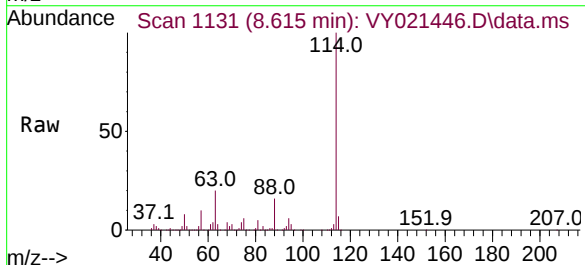
Tgt Ion: 114 Resp: 365717

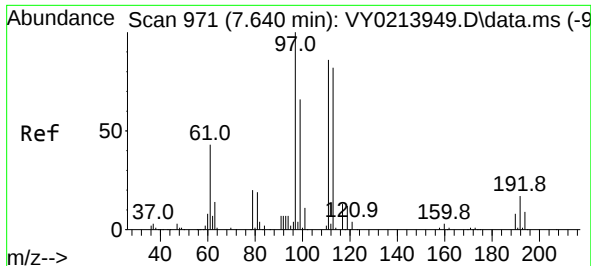
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 15.6 0.0 30.8





#35

Dibromofluoromethane

Concen: 48.285 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021446.D

Acq: 06 Mar 2025 19:43

Instrument :

MSVOA_Y

ClientSampleId :

T8

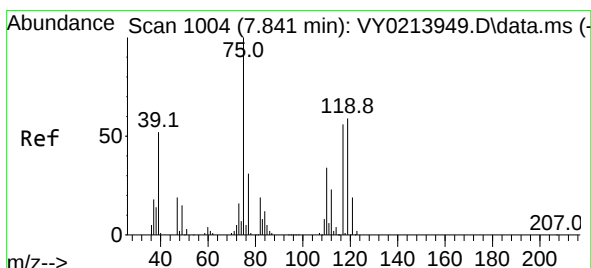
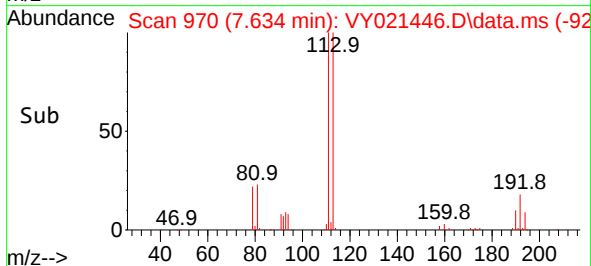
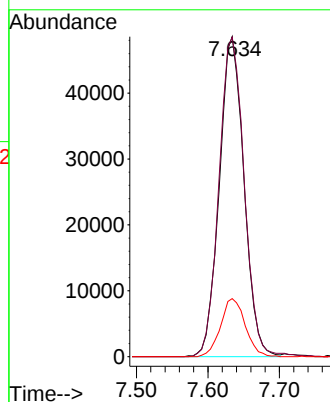
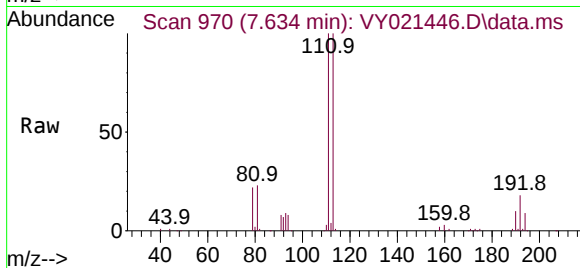
Tgt Ion:113 Resp: 116073

Ion Ratio Lower Upper

113 100

111 102.6 82.0 123.0

192 18.2 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.882 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021446.D

Acq: 06 Mar 2025 19:43

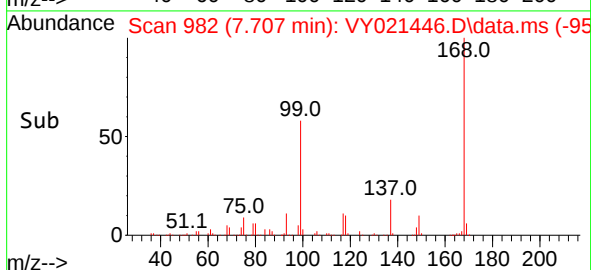
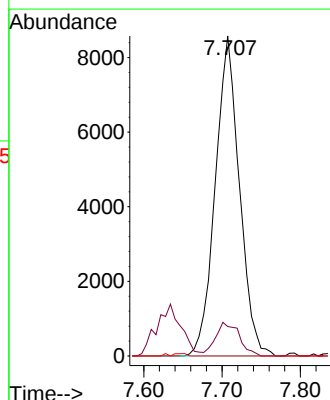
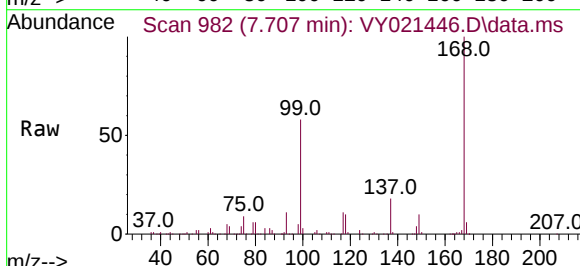
Tgt Ion: 75 Resp: 18369

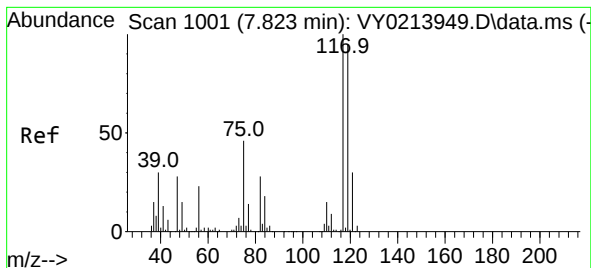
Ion Ratio Lower Upper

75 100

110 10.3 17.3 51.7#

77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.409 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY021446.D

Acq: 06 Mar 2025 19:43

Instrument :

MSVOA_Y

ClientSampleId :

T8

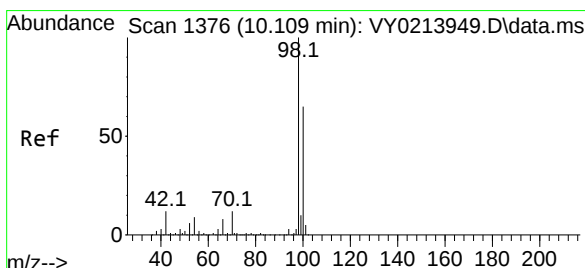
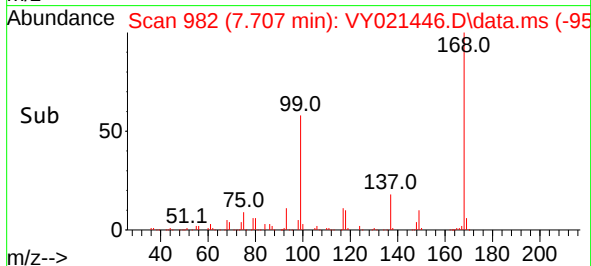
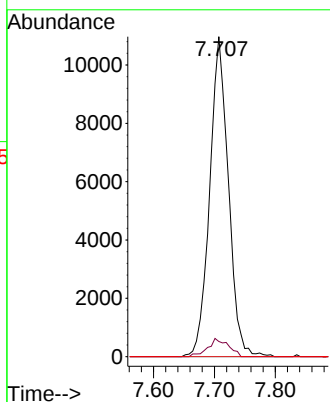
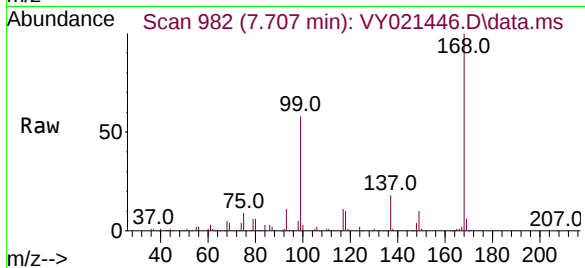
Tgt Ion:117 Resp: 23408

Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.8#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 42.338 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021446.D

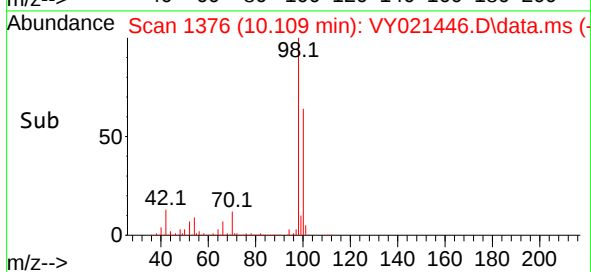
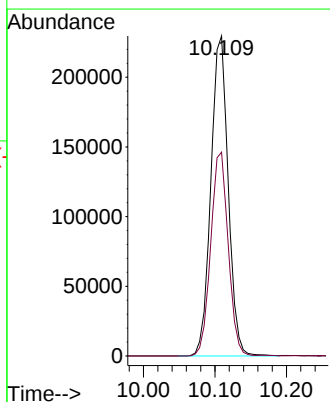
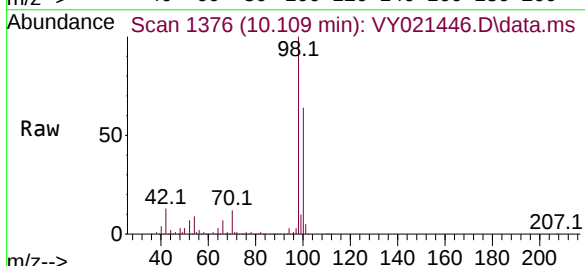
Acq: 06 Mar 2025 19:43

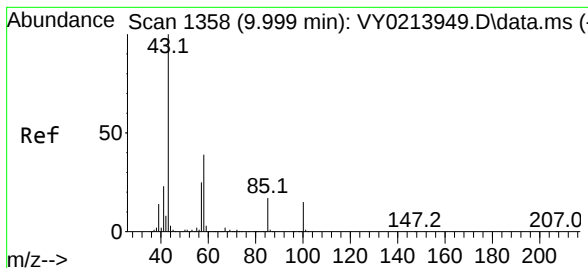
Tgt Ion: 98 Resp: 385363

Ion Ratio Lower Upper

98 100

100 64.6 52.1 78.1

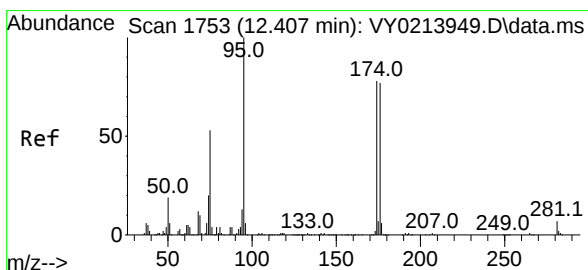
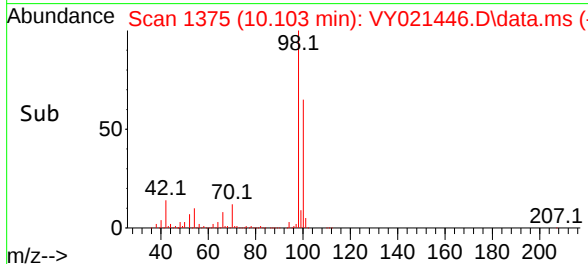
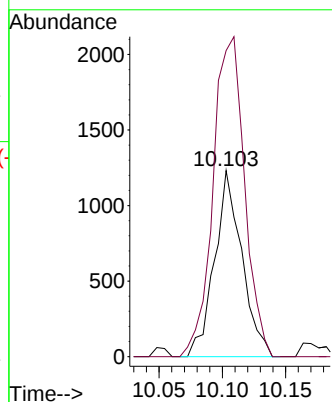
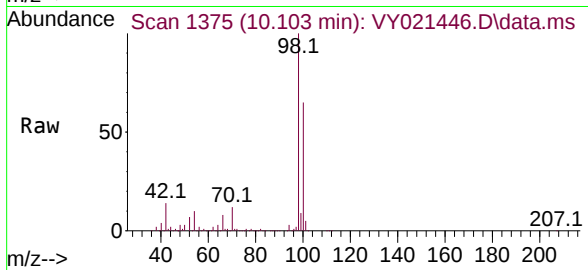




#51
4-Methyl-2-Pentanone
Concen: 1.108 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.104 min
Lab File: VY021446.D
Acq: 06 Mar 2025 19:43

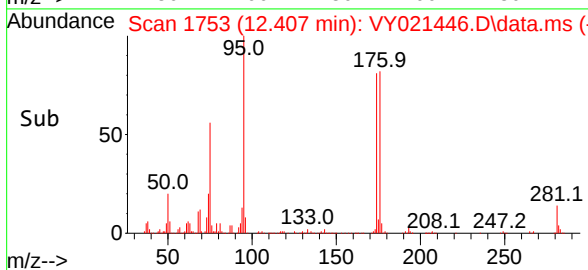
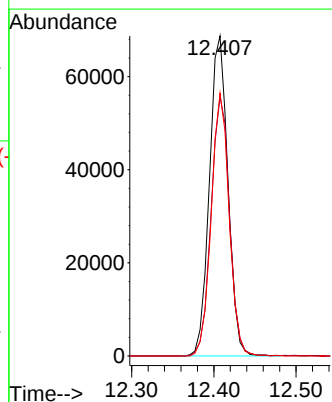
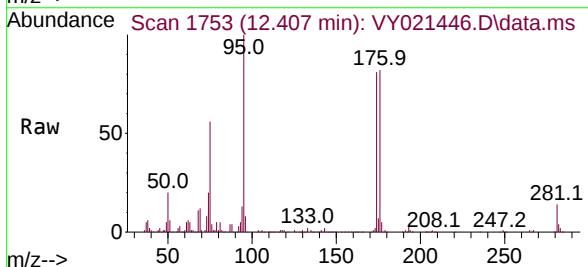
Instrument :
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T8

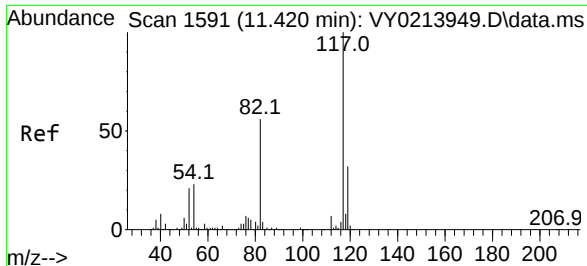
Tgt Ion: 43 Resp: 1845
Ion Ratio Lower Upper
43 100
58 198.9 31.4 47.2#



#62
4-Bromofluorobenzene
Concen: 34.670 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021446.D
Acq: 06 Mar 2025 19:43

Tgt Ion: 95 Resp: 107342
Ion Ratio Lower Upper
95 100
174 80.9 0.0 165.0
176 79.5 0.0 160.0

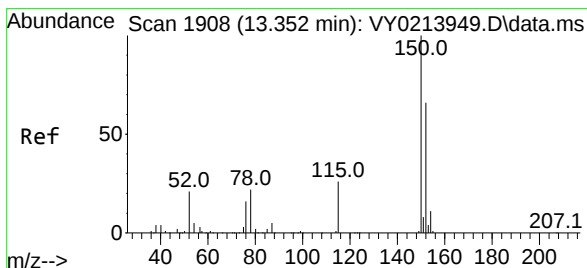
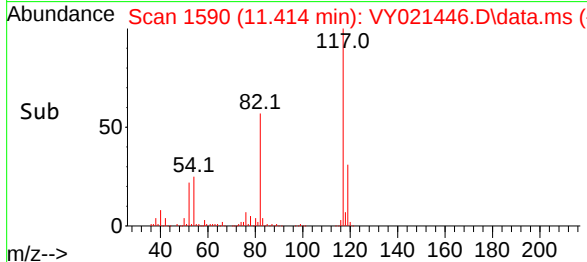
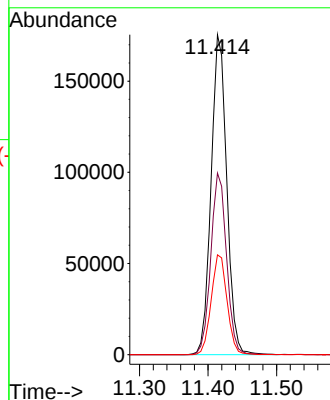
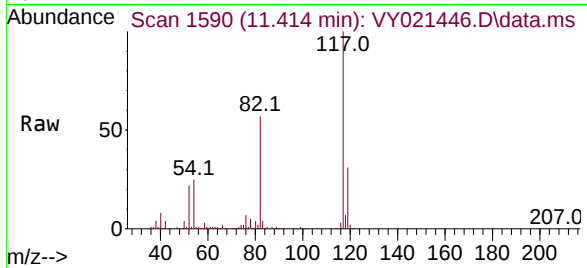




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021446.D
Acq: 06 Mar 2025 19:43

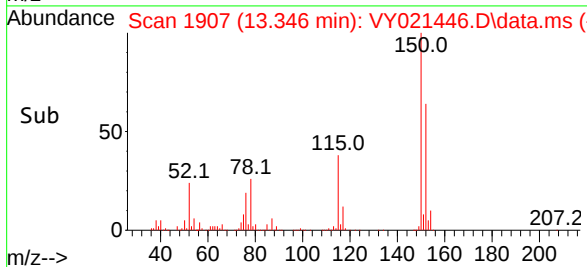
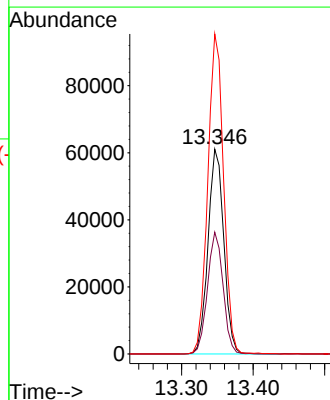
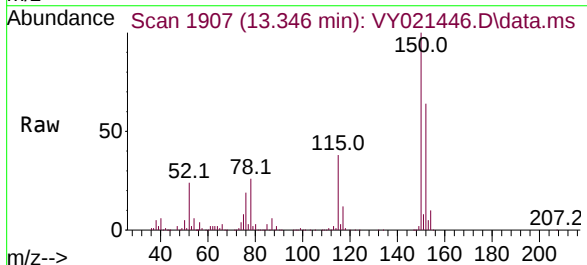
Instrument :
MSVOA_Y
ClientSampleId :
T8

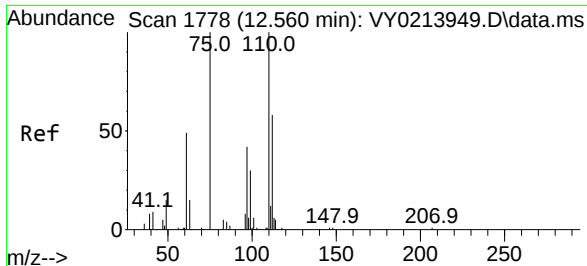
Tgt Ion:117 Resp: 278068
Ion Ratio Lower Upper
117 100
82 56.8 44.6 67.0
119 31.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021446.D
Acq: 06 Mar 2025 19:43

Tgt Ion:152 Resp: 93699
Ion Ratio Lower Upper
152 100
115 58.6 29.0 87.0
150 156.0 0.0 347.2

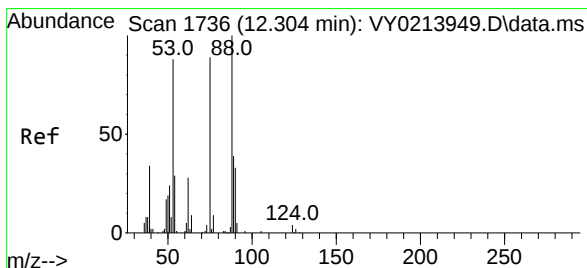
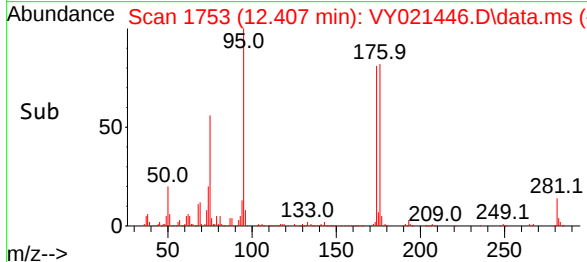
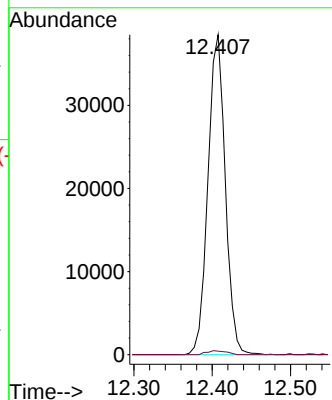
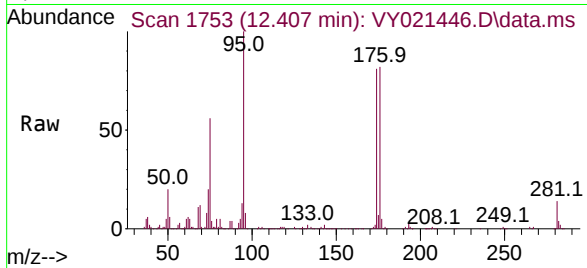




#76
 1,2,3-Trichloropropane
 Concen: 62.554 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021446.D
 Acq: 06 Mar 2025 19:43

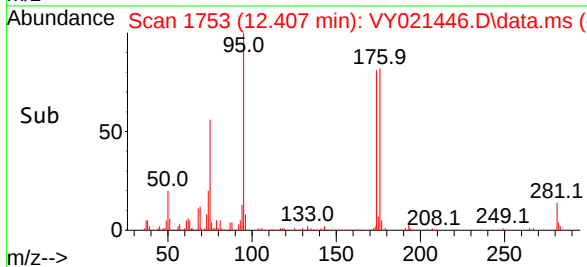
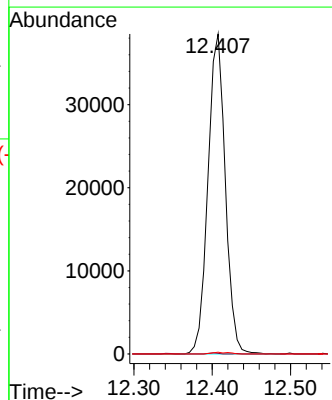
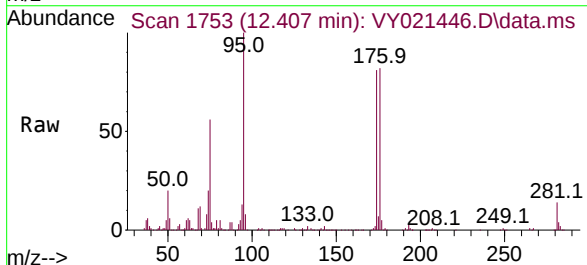
Instrument :
 MSVOA_Y
 ClientSampleId :
 T8

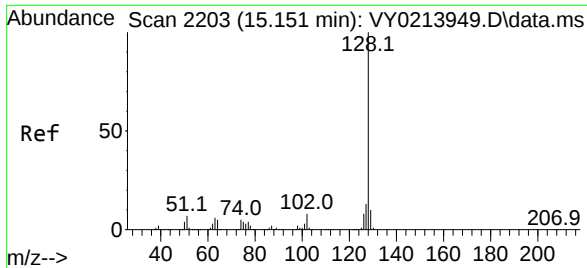
Tgt Ion: 75 Resp: 59063
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.205 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY021446.D
 Acq: 06 Mar 2025 19:43

Tgt Ion: 75 Resp: 59063
 Ion Ratio Lower Upper
 75 100
 53 0.2 81.0 121.4#
 89 0.5 36.9 55.3#





#95

Naphthalene

Concen: 1.483 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY021446.D

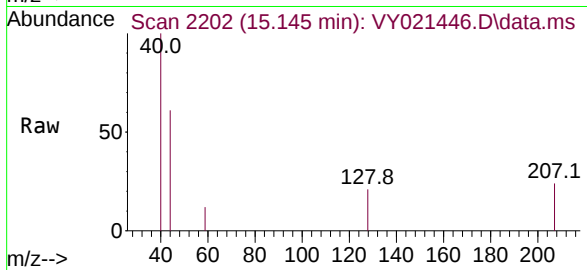
Acq: 06 Mar 2025 19:43

Instrument :

MSVOA_Y

ClientSampleId :

T8



Tgt Ion:	128	Resp:	87
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	13.0#

