

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021442.D
 Acq On : 06 Mar 2025 18:09
 Operator : SY/MD
 Sample : Q1463-05
 Misc : 7.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T5

Quant Time: Mar 07 00:42:04 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)

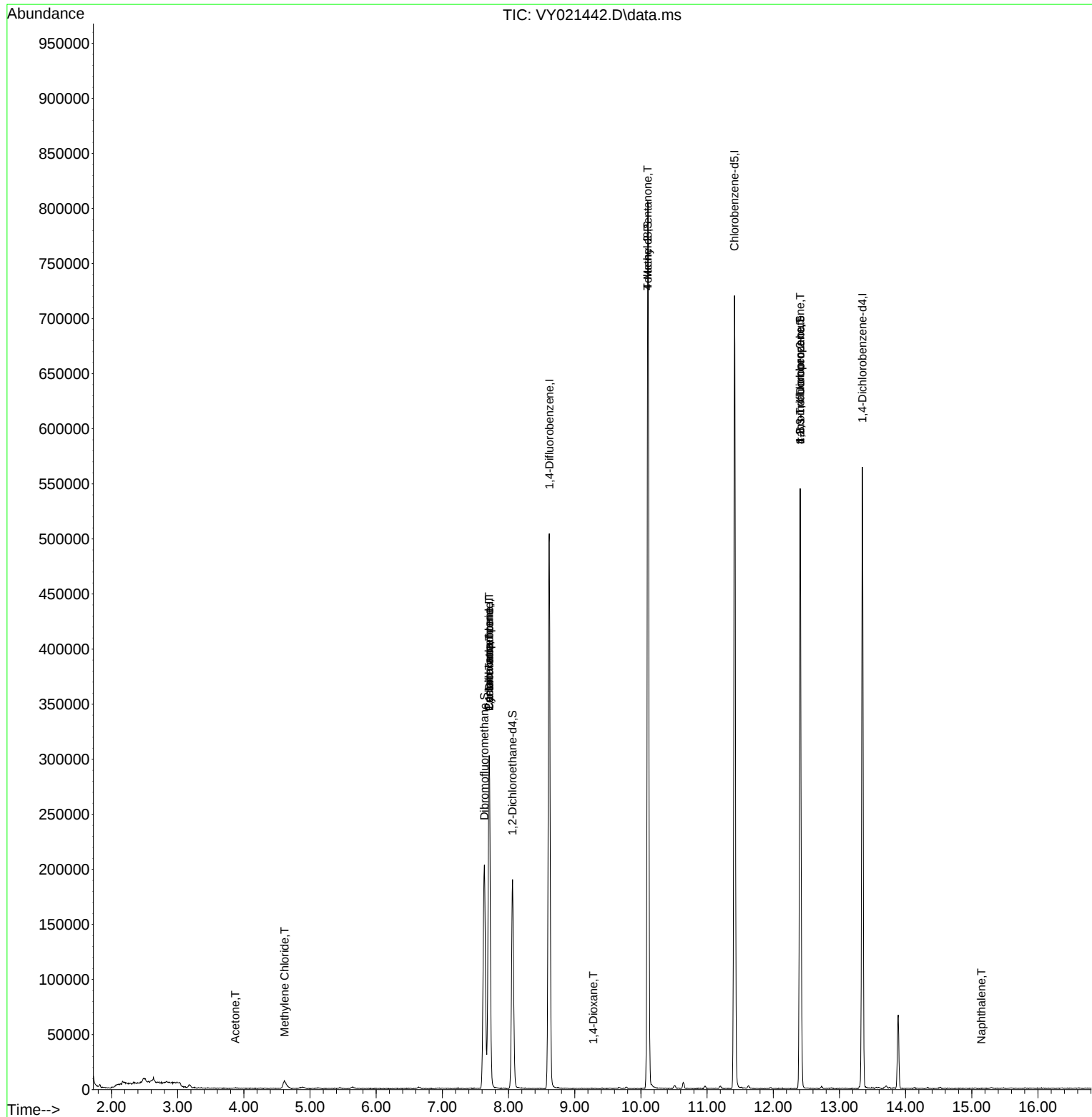
Internal Standards						
1) Pentafluorobenzene	7.707	168	226372	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	418613	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	362578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	131867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	143010	59.771	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.540%
35) Dibromofluoromethane	7.634	113	142977	51.961	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.920%
50) Toluene-d8	10.103	98	506571	48.622	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.240%
62) 4-Bromofluorobenzene	12.408	95	148435	41.884	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.760%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	967	Below Cal	#	78
16) Acetone	3.873	43	927	1.776	ug/l #	86
20) Methylene Chloride	4.616	84	4279	1.562	ug/l	96
31) Cyclohexane	7.707	56	5365	1.197	ug/l #	8
36) 1,1-Dichloropropene	7.707	75	19770	4.590	ug/l #	49
38) Carbon Tetrachloride	7.707	117	24194	4.884	ug/l #	16
49) 1,4-Dioxane	9.280	88	26	1.577	ug/l #	22
51) 4-Methyl-2-Pentanone	10.103	43	2704	1.418	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	80379	60.490	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	80379	137.512	ug/l #	9
95) Naphthalene	15.145	128	222	1.511	ug/l #	76

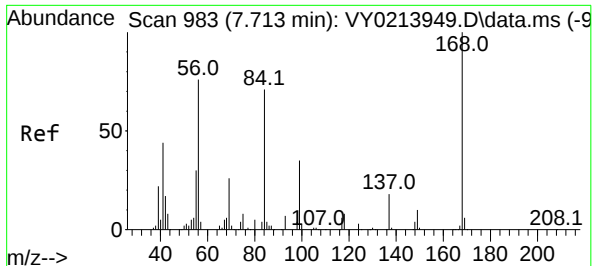
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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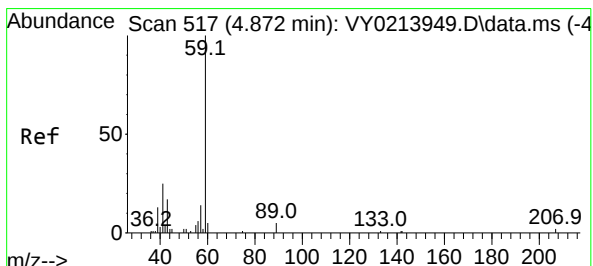
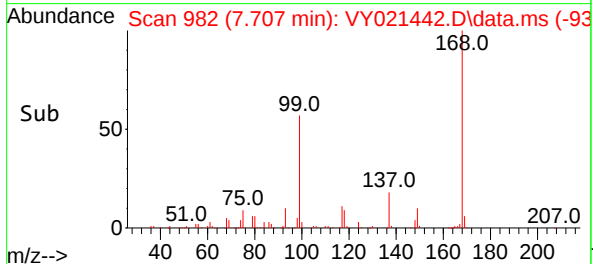
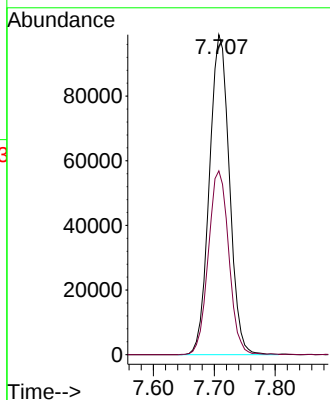
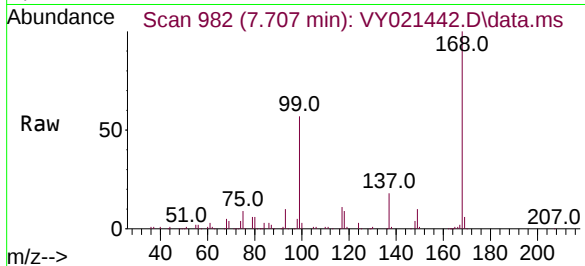




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021442.D
Acq: 06 Mar 2025 18:09

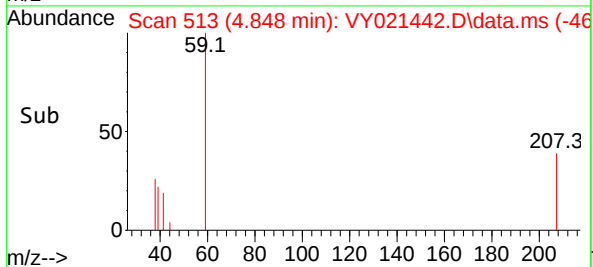
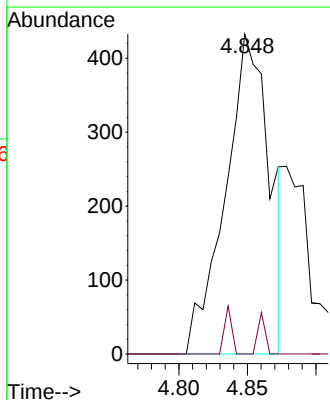
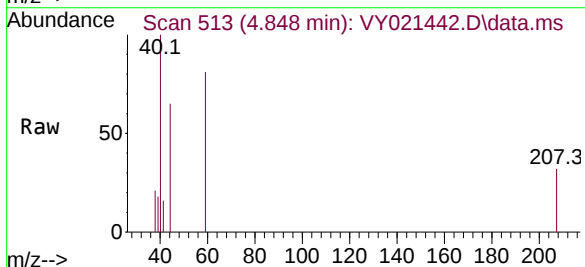
Instrument :
MSVOA_Y
ClientSampleId :
T5

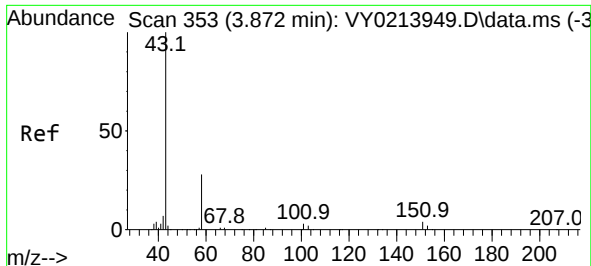
Tgt Ion:168 Resp: 226372
Ion Ratio Lower Upper
168 100
99 57.4 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.848 min Scan# 513
Delta R.T. -0.024 min
Lab File: VY021442.D
Acq: 06 Mar 2025 18:09

Tgt Ion: 59 Resp: 967
Ion Ratio Lower Upper
59 100
57 2.1 8.2 12.4#

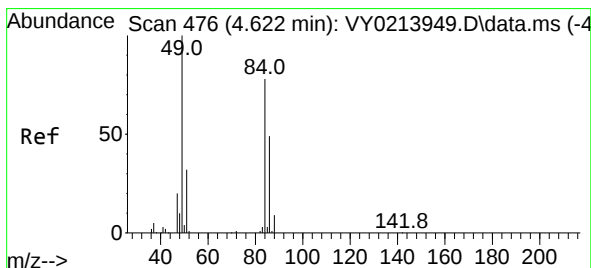
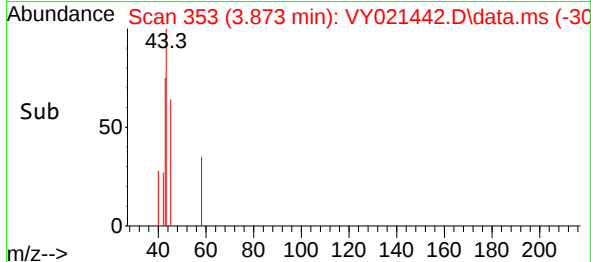
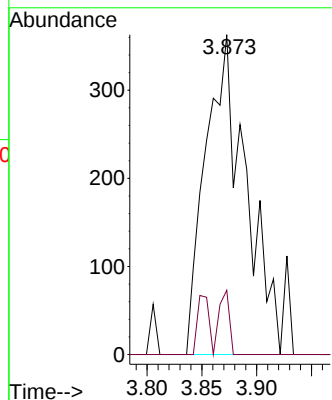
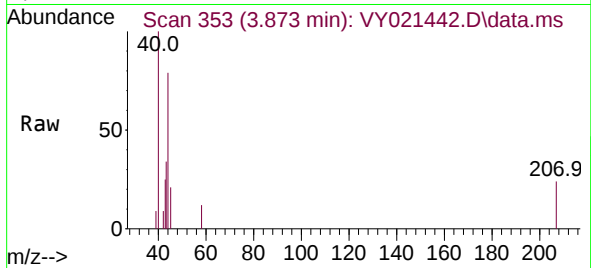




#16
Acetone
Concen: 1.776 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.001 min
Lab File: VY021442.D
Acq: 06 Mar 2025 18:09

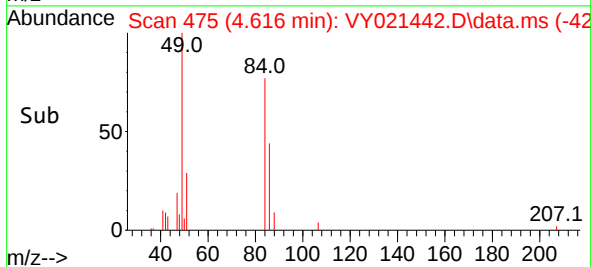
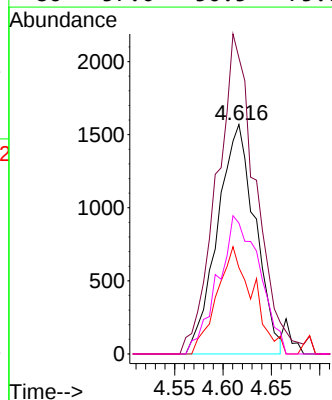
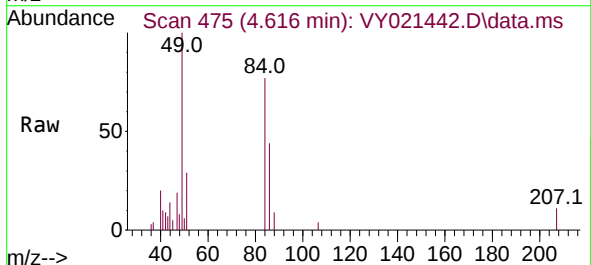
Instrument :
MSVOA_Y
ClientSampleId :
T5

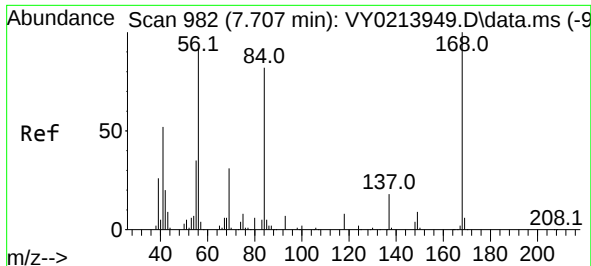
Tgt Ion: 43 Resp: 927
Ion Ratio Lower Upper
43 100
58 20.1 22.1 33.1#



#20
Methylene Chloride
Concen: 1.562 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021442.D
Acq: 06 Mar 2025 18:09

Tgt Ion: 84 Resp: 4279
Ion Ratio Lower Upper
84 100
49 129.1 102.0 153.0
51 37.6 33.0 49.6
86 57.0 50.5 75.7

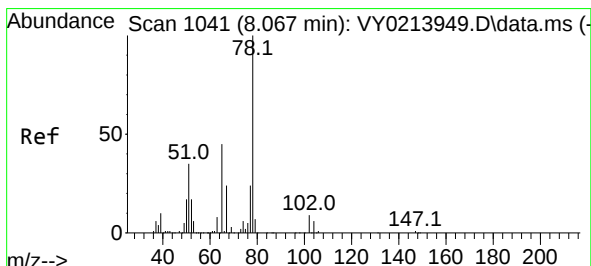
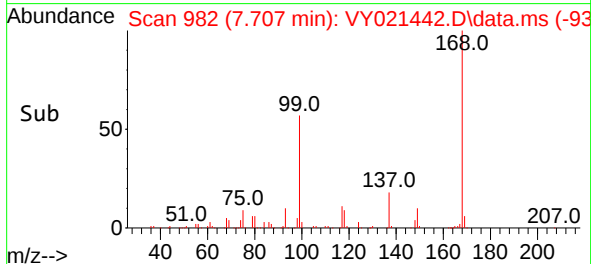
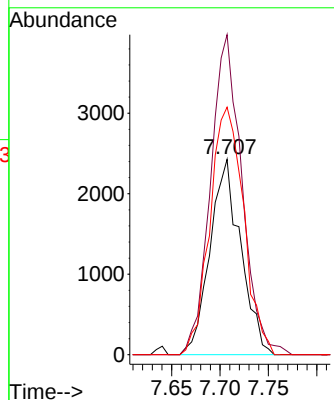
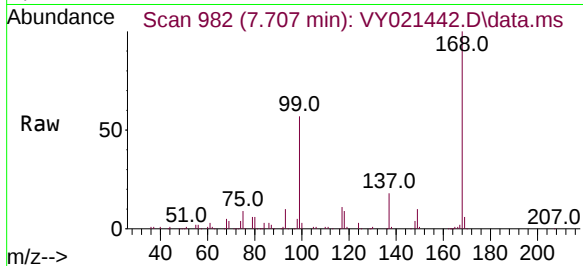




#31
Cyclohexane
Concen: 1.197 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021442.D
Acq: 06 Mar 2025 18:09

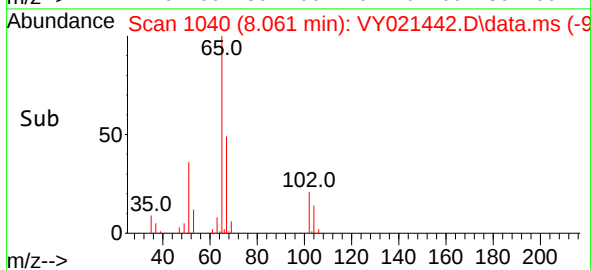
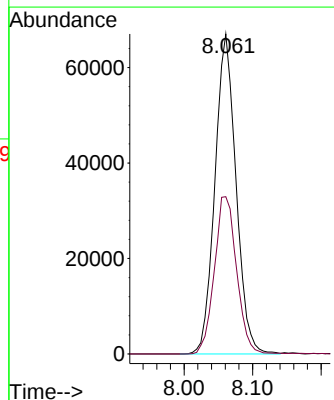
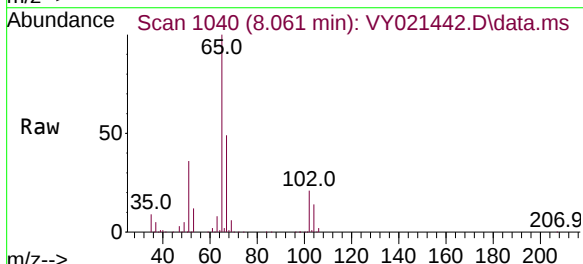
Instrument :
MSVOA_Y
ClientSampleId :
T5

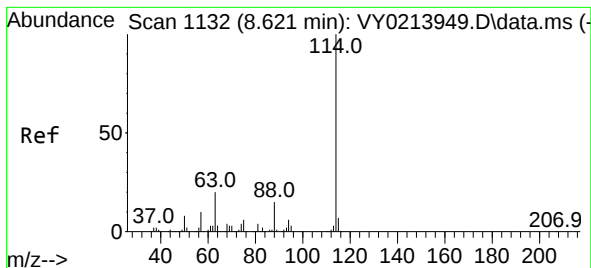
Tgt Ion: 56 Resp: 5365
Ion Ratio Lower Upper
56 100
69 163.8 27.0 40.4#
84 126.7 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 59.771 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021442.D
Acq: 06 Mar 2025 18:09

Tgt Ion: 65 Resp: 143010
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021442.D

Acq: 06 Mar 2025 18:09

Instrument :

MSVOA_Y

ClientSampleId :

T5

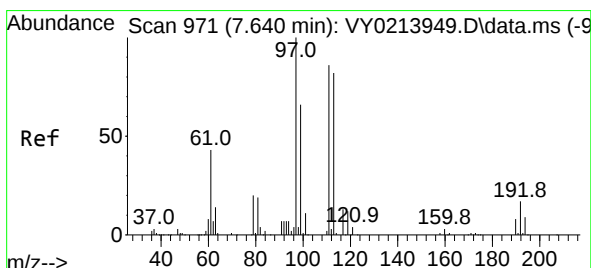
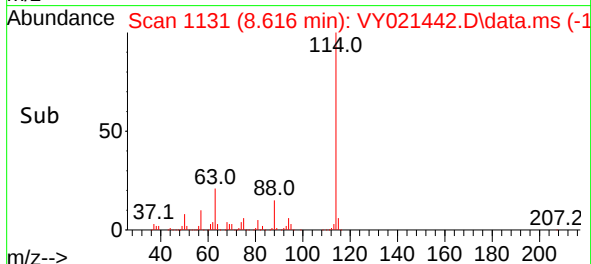
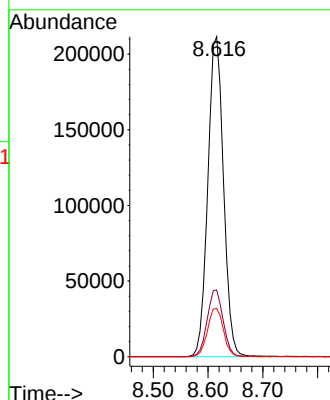
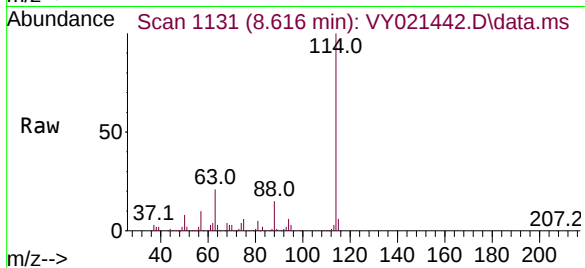
Tgt Ion:114 Resp: 418613

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 15.0 0.0 30.8



#35

Dibromofluoromethane

Concen: 51.961 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021442.D

Acq: 06 Mar 2025 18:09

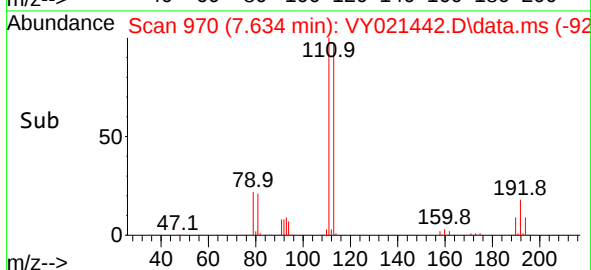
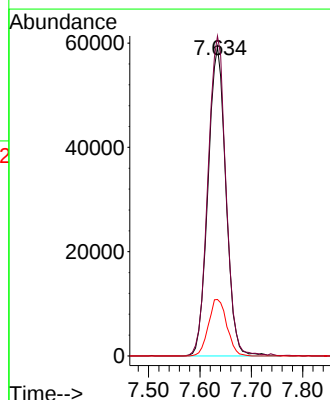
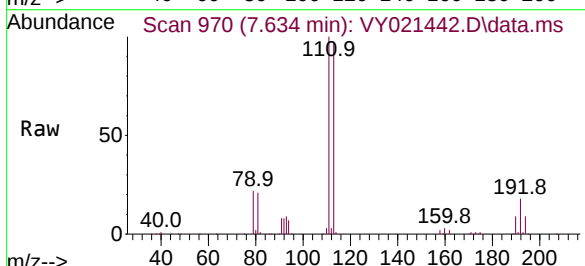
Tgt Ion:113 Resp: 142977

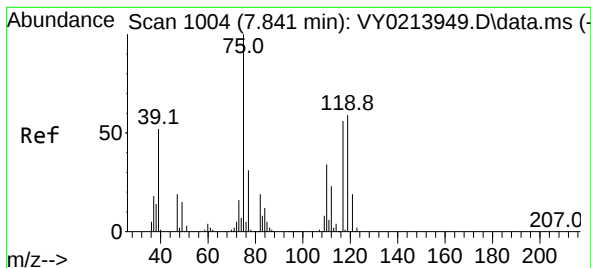
Ion Ratio Lower Upper

113 100

111 104.1 82.0 123.0

192 18.8 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.590 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021442.D

Acq: 06 Mar 2025 18:09

Instrument :

MSVOA_Y

ClientSampleId :

T5

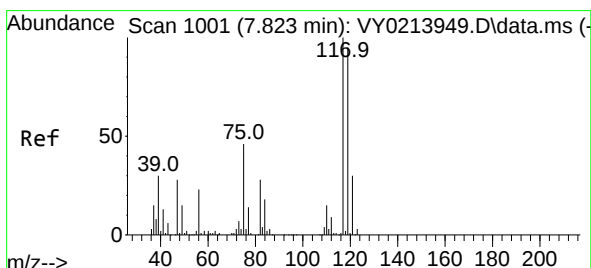
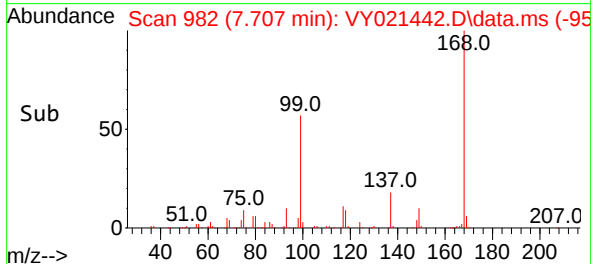
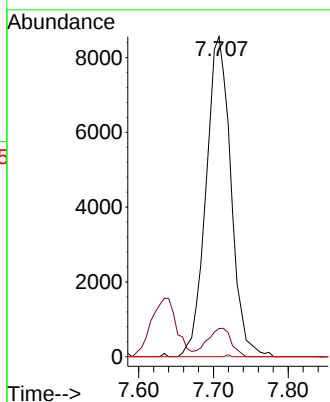
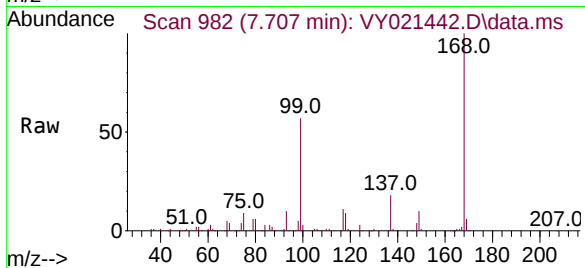
Tgt Ion: 75 Resp: 19770

Ion Ratio Lower Upper

75 100

110 8.7 17.3 51.7#

77 0.1 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 4.884 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.115 min

Lab File: VY021442.D

Acq: 06 Mar 2025 18:09

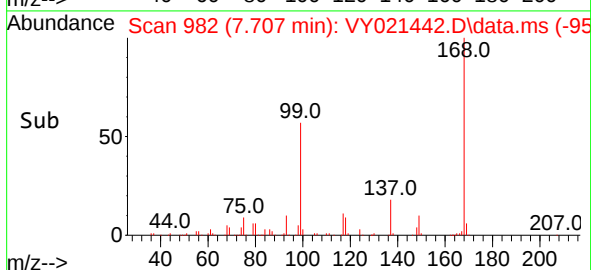
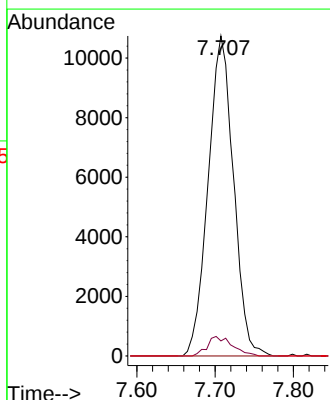
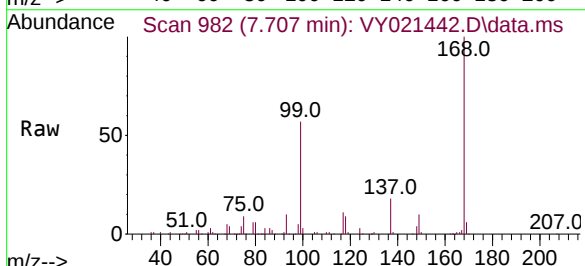
Tgt Ion: 117 Resp: 24194

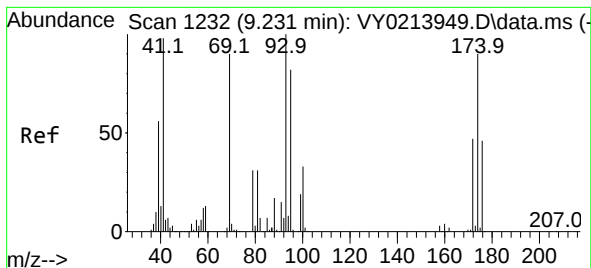
Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.8#

121 0.0 23.9 35.9#





#49

1,4-Dioxane

Concen: 1.577 ug/l

RT: 9.280 min Scan# 11

Delta R.T. 0.049 min

Lab File: VY021442.D

Acq: 06 Mar 2025 18:09

Instrument :

MSVOA_Y

ClientSampleId :

T5

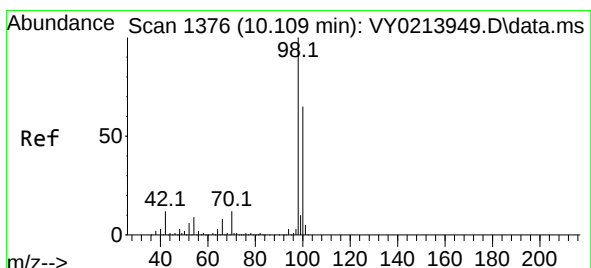
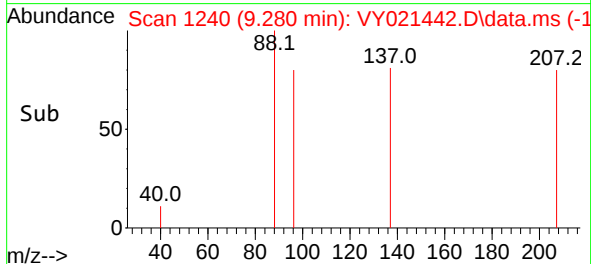
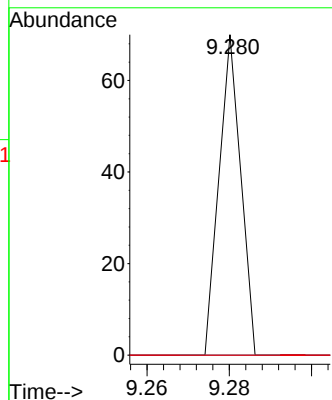
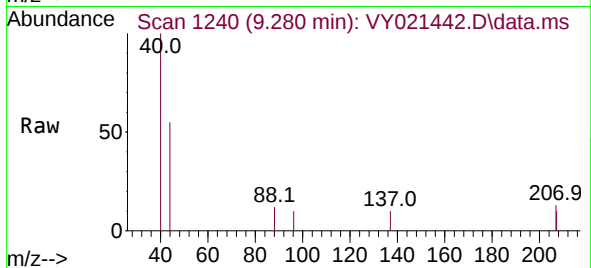
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 0.0 25.0 37.4#

58 0.0 58.4 87.6#



#50

Toluene-d8

Concen: 48.622 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY021442.D

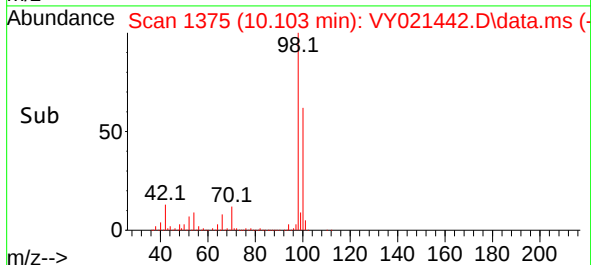
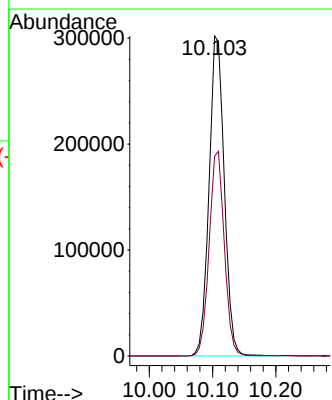
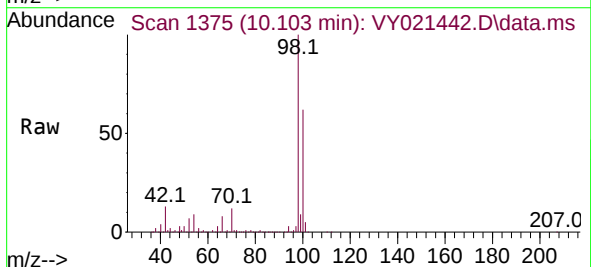
Acq: 06 Mar 2025 18:09

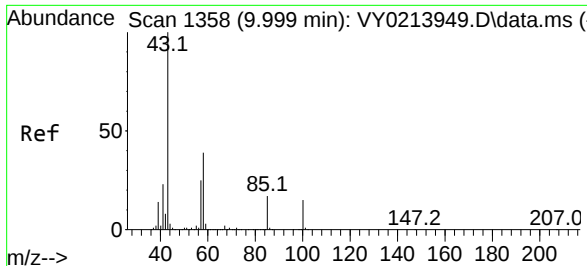
Tgt Ion: 98 Resp: 506571

Ion Ratio Lower Upper

98 100

100 63.7 52.1 78.1

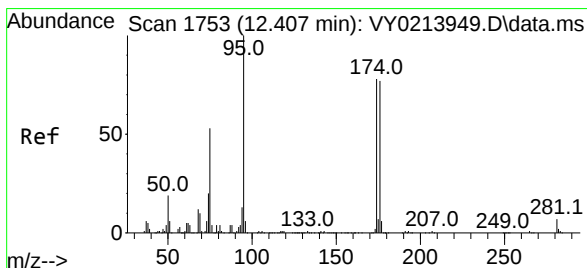
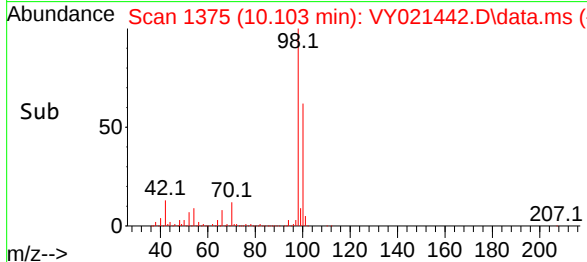
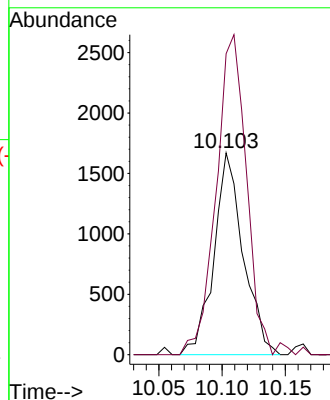
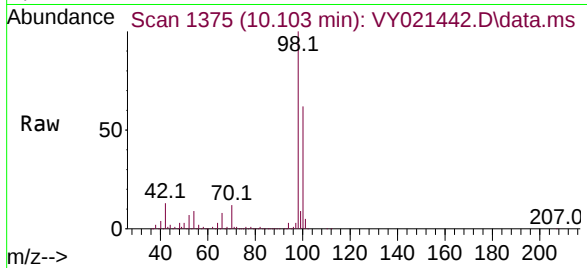




#51
4-Methyl-2-Pentanone
Concen: 1.418 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021442.D
Acq: 06 Mar 2025 18:09

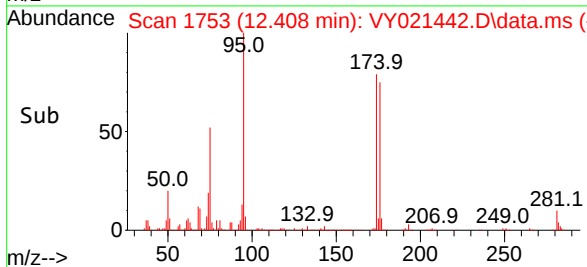
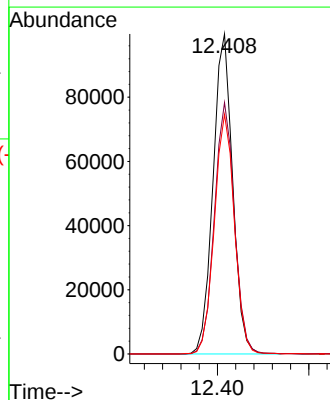
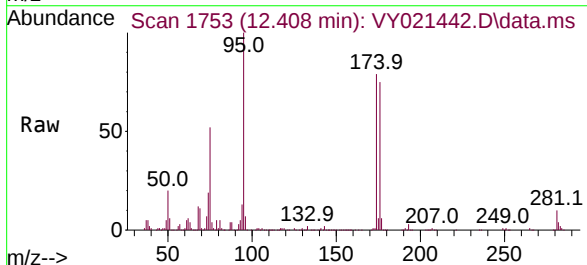
Instrument :
MSVOA_Y
ClientSampleId :
T5

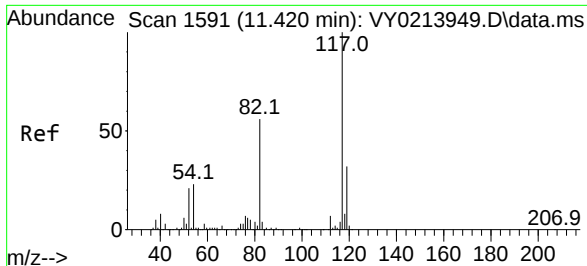
Tgt Ion: 43 Resp: 2704
Ion Ratio Lower Upper
43 100
58 165.1 31.4 47.2#



#62
4-Bromofluorobenzene
Concen: 41.884 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021442.D
Acq: 06 Mar 2025 18:09

Tgt Ion: 95 Resp: 148435
Ion Ratio Lower Upper
95 100
174 80.3 0.0 165.0
176 76.7 0.0 160.0

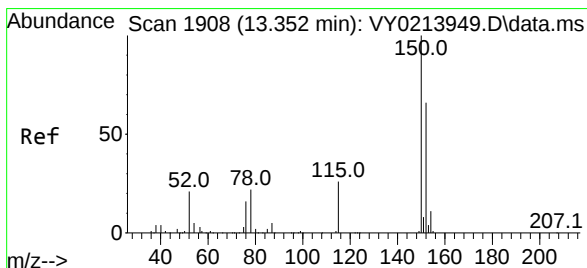
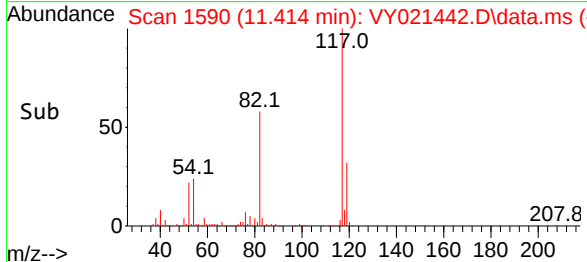
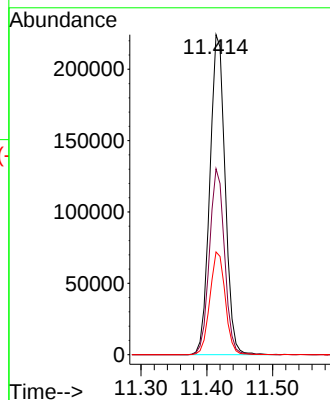
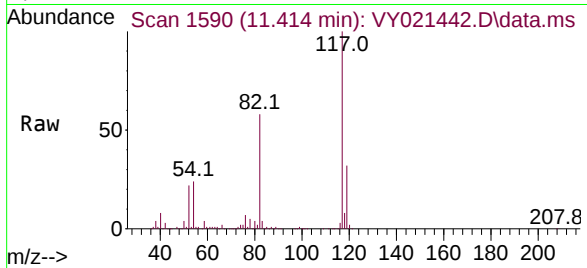




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021442.D
Acq: 06 Mar 2025 18:09

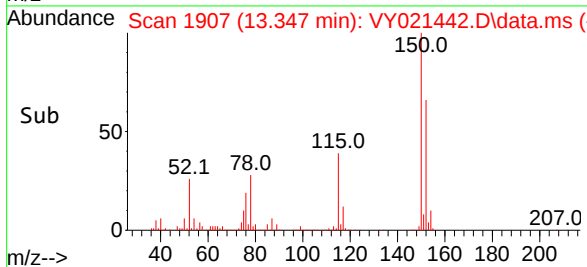
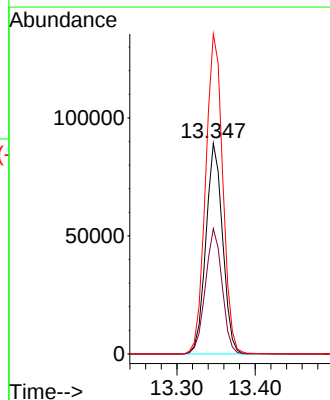
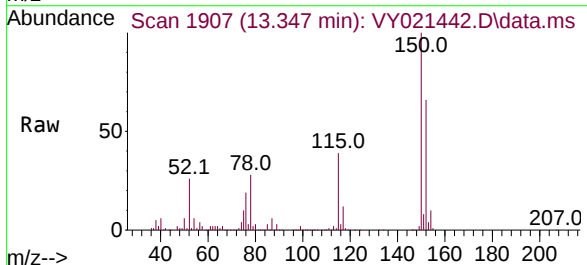
Instrument :
MSVOA_Y
ClientSampleId :
T5

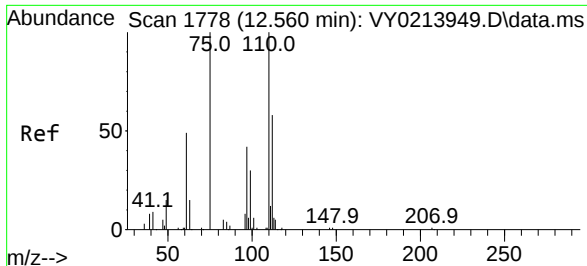
Tgt Ion:117 Resp: 362578
Ion Ratio Lower Upper
117 100
82 58.1 44.6 67.0
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021442.D
Acq: 06 Mar 2025 18:09

Tgt Ion:152 Resp: 131867
Ion Ratio Lower Upper
152 100
115 59.4 29.0 87.0
150 155.6 0.0 347.2

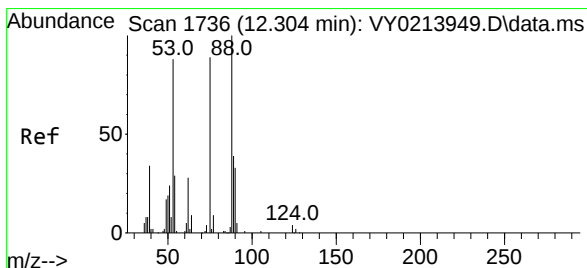
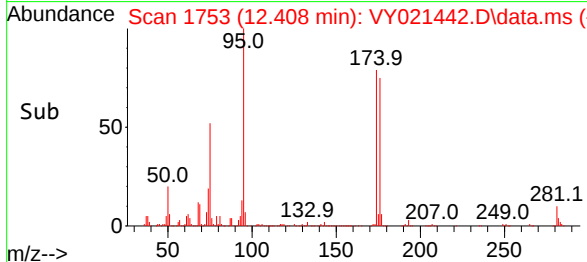
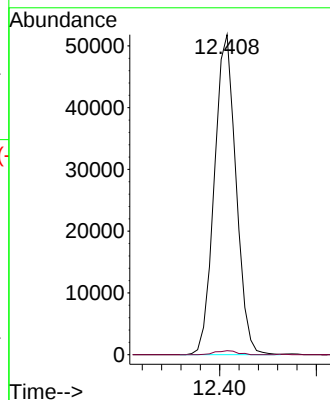
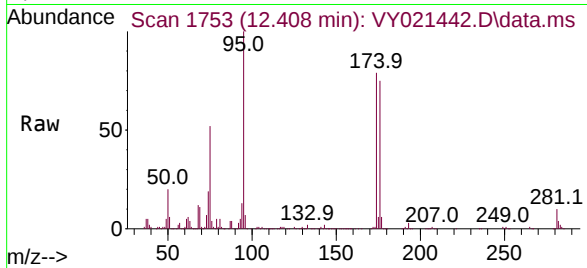




#76
1,2,3-Trichloropropane
Concen: 60.490 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021442.D
Acq: 06 Mar 2025 18:09

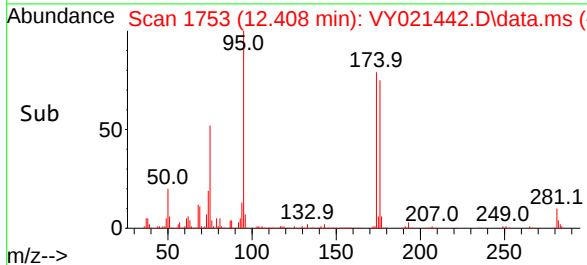
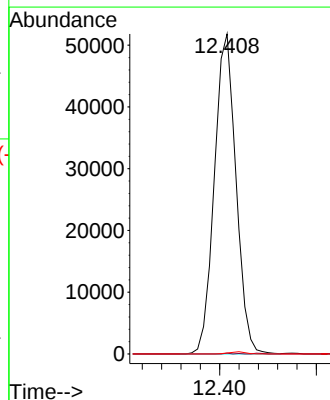
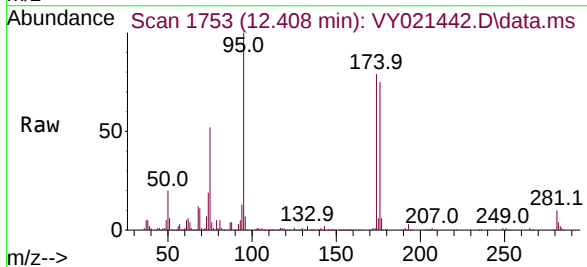
Instrument :
MSVOA_Y
ClientSampleId :
T5

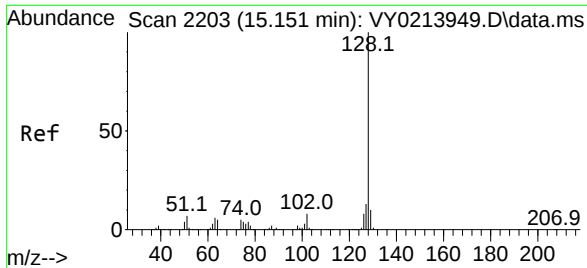
Tgt Ion: 75 Resp: 80379
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 137.512 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021442.D
Acq: 06 Mar 2025 18:09

Tgt Ion: 75 Resp: 80379
Ion Ratio Lower Upper
75 100
53 0.1 81.0 121.4#
89 0.5 36.9 55.3#





#95

Naphthalene

Concen: 1.511 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY021442.D

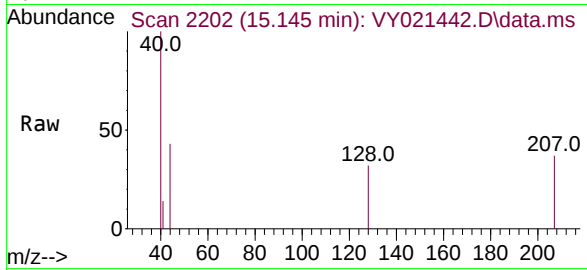
Acq: 06 Mar 2025 18:09

Instrument :

MSVOA_Y

ClientSampleId :

T5



Tgt Ion:128 Resp: 222

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 15.8 8.6 13.0#

