

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032625\
 Data File : VY021653.D
 Acq On : 26 Mar 2025 17:44
 Operator : SY/MD
 Sample : Q1642-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PAT-1-032525

Quant Time: Mar 27 01:33:33 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	182964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	336446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	305140	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	128839	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114805	59.367	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.740%
35) Dibromofluoromethane	7.634	113	116053	52.477	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.960%
50) Toluene-d8	10.109	98	413682	49.404	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.800%
62) 4-Bromofluorobenzene	12.408	95	131008	45.995	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.980%

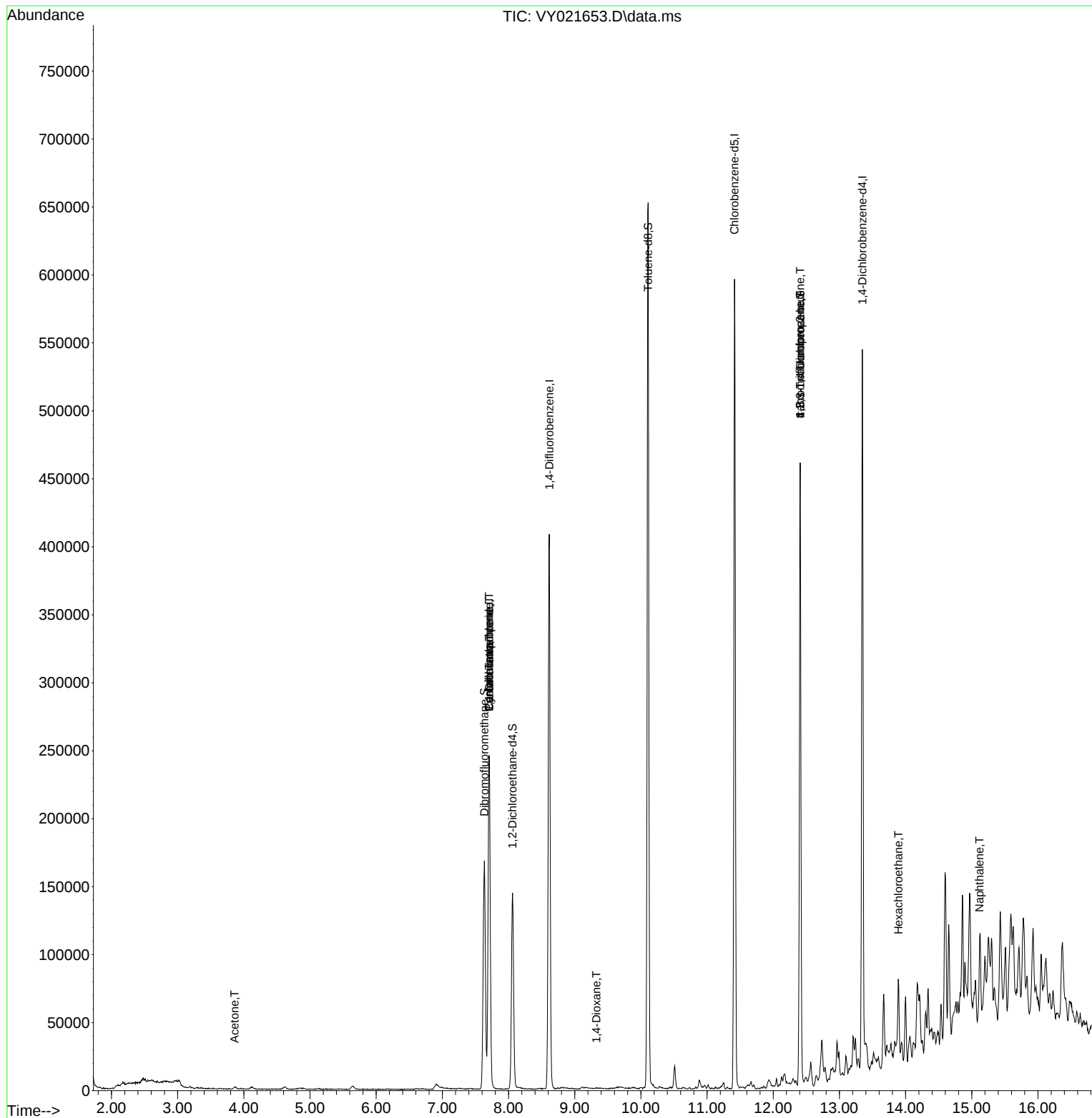
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.854	59	763	Below Cal	#	80
16) Acetone	3.860	43	2585	6.129	ug/l #	82
31) Cyclohexane	7.707	56	4611	1.273	ug/l #	37
36) 1,1-Dichloropropene	7.707	75	16049	4.636	ug/l #	50
38) Carbon Tetrachloride	7.707	117	19030	4.780	ug/l #	17
49) 1,4-Dioxane	9.329	88	28	2.112	ug/l #	22
76) 1,2,3-Trichloropropane	12.408	75	70975	54.668	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	70975	124.278	ug/l #	10
90) Hexachloroethane	13.889	117	2369	1.231	ug/l #	12
95) Naphthalene	15.114	128	1245	1.805	ug/l #	1

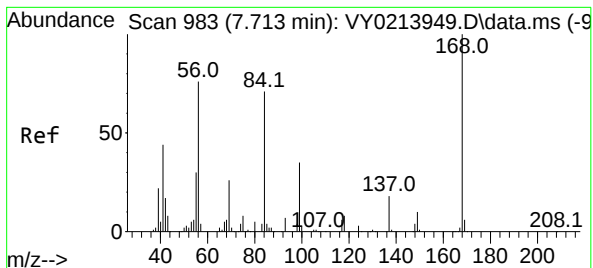
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 9

Delta R.T. -0.006 min

Lab File: VY021653.D

Acq: 26 Mar 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

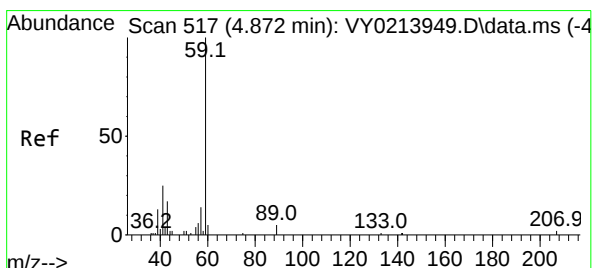
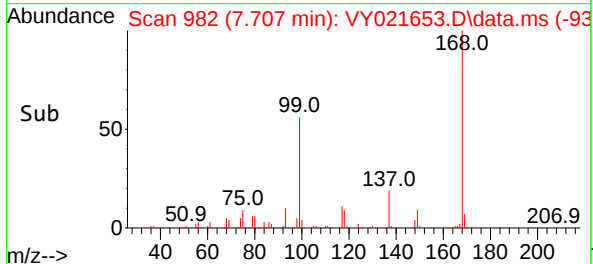
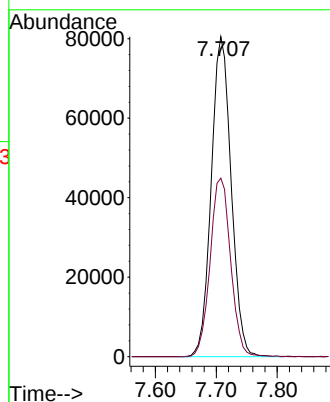
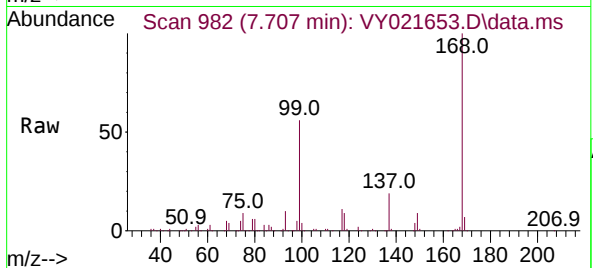
PAT-1-032525

Tgt Ion:168 Resp: 182964

Ion Ratio Lower Upper

168 100

99 55.8 46.0 69.0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.854 min Scan# 514

Delta R.T. -0.018 min

Lab File: VY021653.D

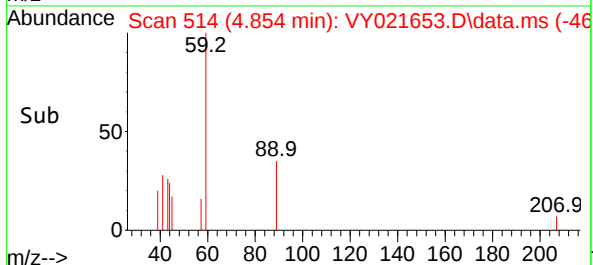
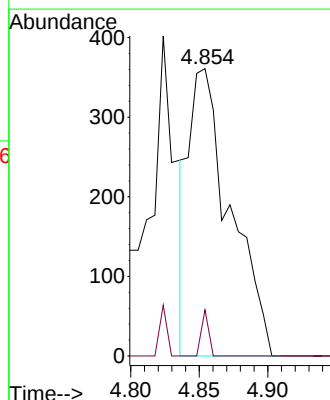
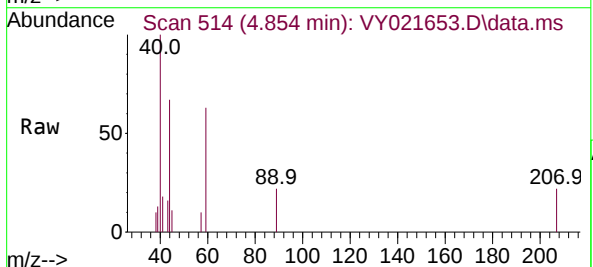
Acq: 26 Mar 2025 17:44

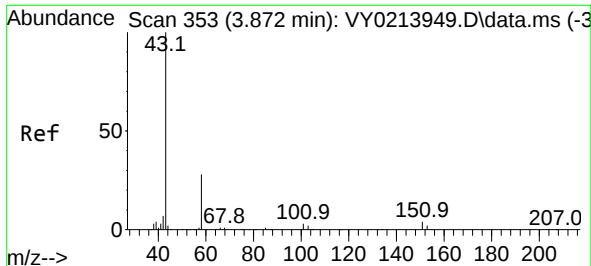
Tgt Ion: 59 Resp: 763

Ion Ratio Lower Upper

59 100

57 2.8 8.2 12.4#

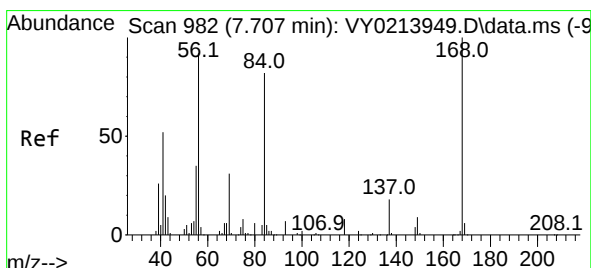
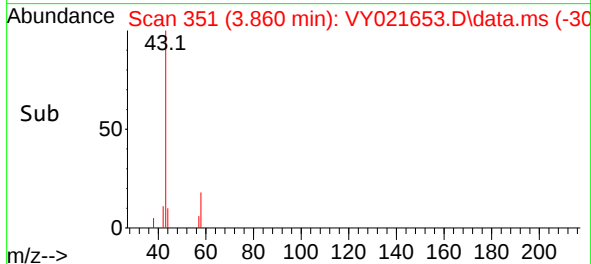
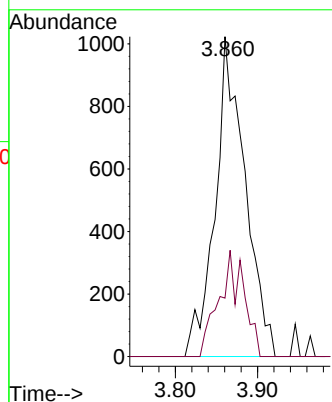
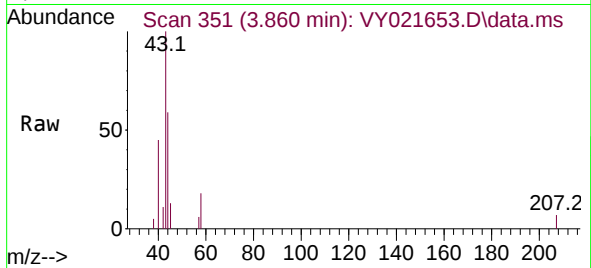




#16
Acetone
Concen: 6.129 ug/l
RT: 3.860 min Scan# 316
Delta R.T. -0.012 min
Lab File: VY021653.D
Acq: 26 Mar 2025 17:44

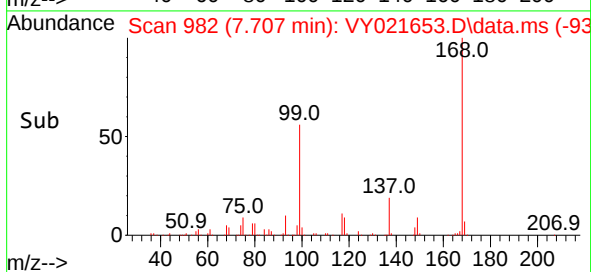
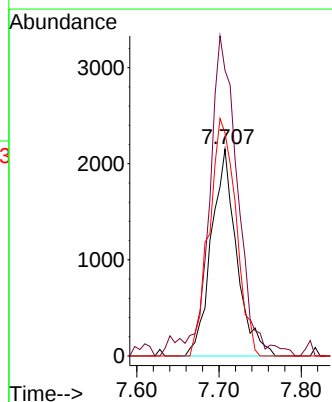
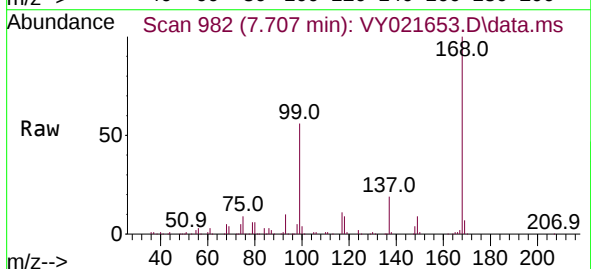
Instrument :
MSVOA_Y
ClientSampleId :
PAT-1-032525

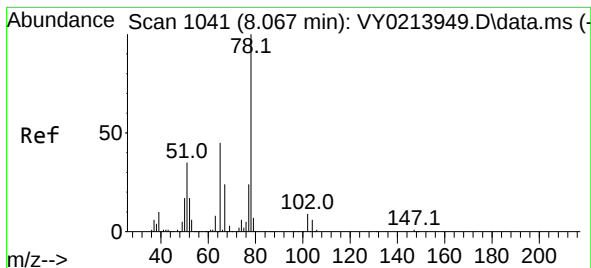
Tgt Ion: 43 Resp: 2585
Ion Ratio Lower Upper
43 100
58 18.3 22.1 33.1#



#31
Cyclohexane
Concen: 1.273 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021653.D
Acq: 26 Mar 2025 17:44

Tgt Ion: 56 Resp: 4611
Ion Ratio Lower Upper
56 100
69 134.5 27.0 40.4#
84 107.8 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 59.367 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021653.D

Acq: 26 Mar 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

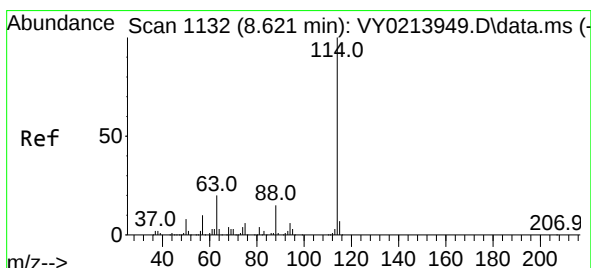
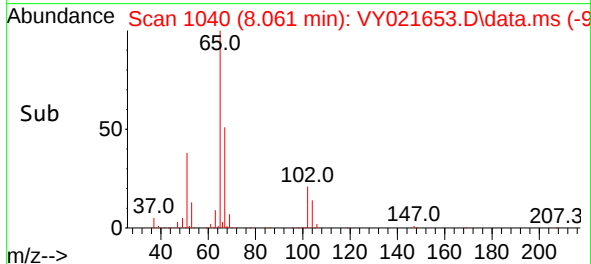
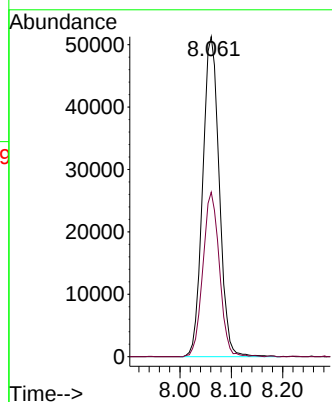
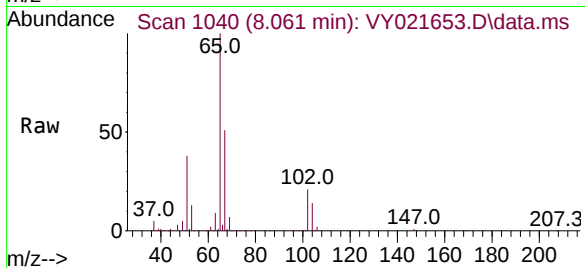
PAT-1-032525

Tgt Ion: 65 Resp: 114805

Ion Ratio Lower Upper

65 100

67 51.2 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: VY021653.D

Acq: 26 Mar 2025 17:44

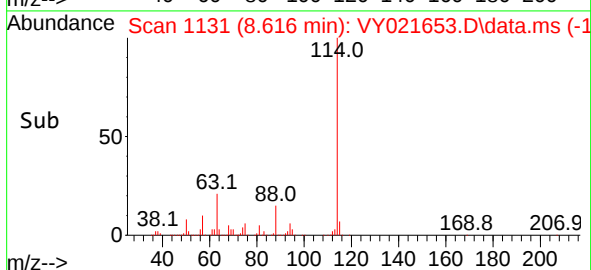
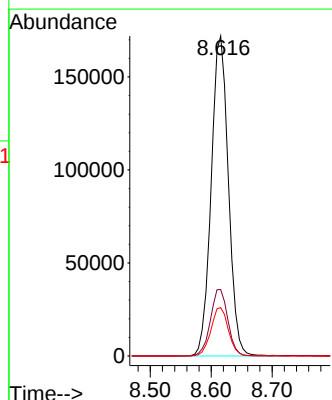
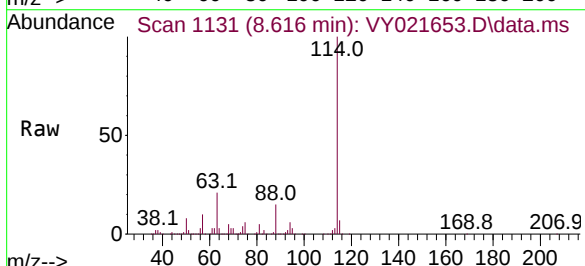
Tgt Ion: 114 Resp: 336446

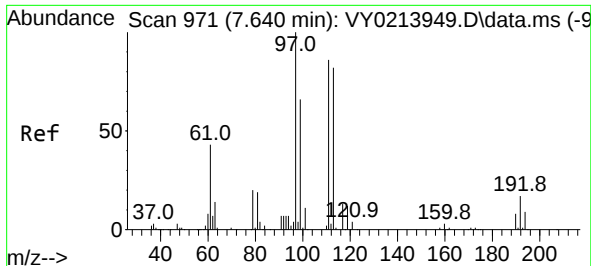
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 15.1 0.0 30.8





#35

Dibromofluoromethane

Concen: 52.477 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021653.D

Acq: 26 Mar 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

PAT-1-032525

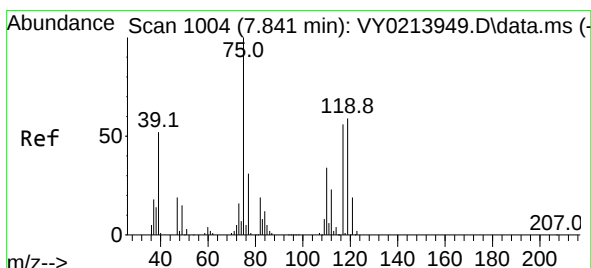
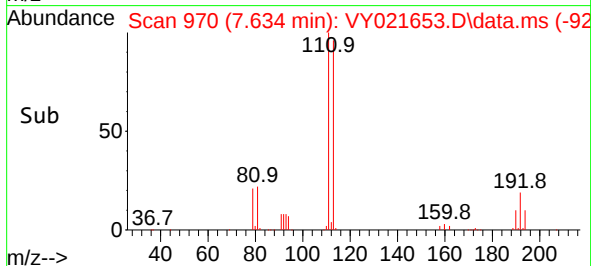
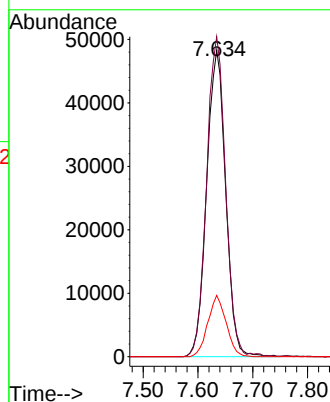
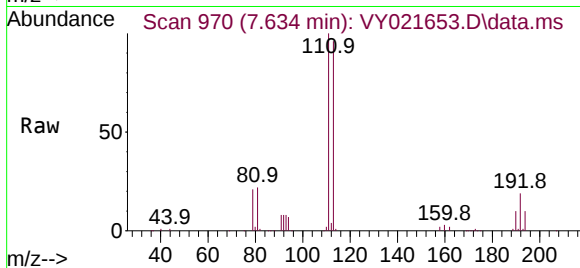
Tgt Ion:113 Resp: 116053

Ion Ratio Lower Upper

113 100

111 104.3 82.0 123.0

192 19.2 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.636 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021653.D

Acq: 26 Mar 2025 17:44

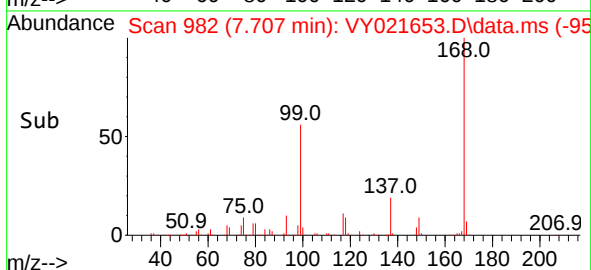
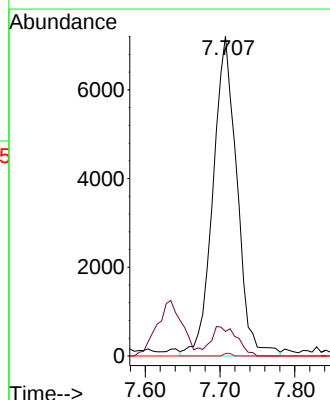
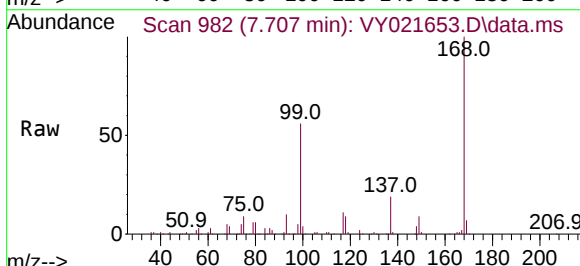
Tgt Ion: 75 Resp: 16049

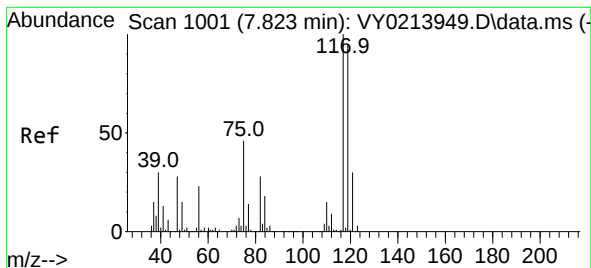
Ion Ratio Lower Upper

75 100

110 9.8 17.3 51.7#

77 0.3 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 4.780 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.115 min

Lab File: VY021653.D

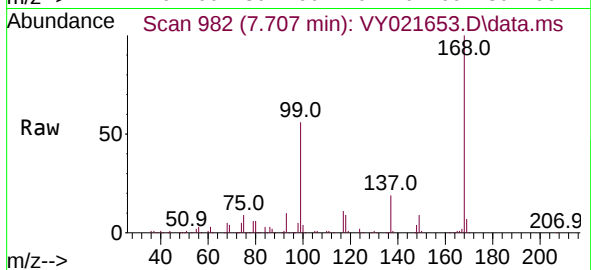
Acq: 26 Mar 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

PAT-1-032525



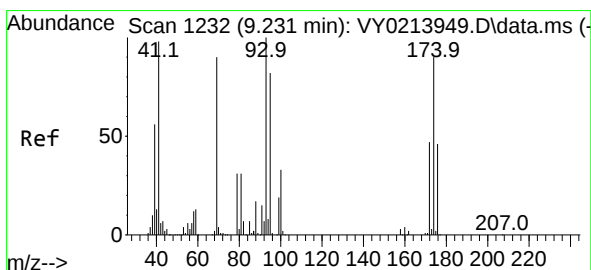
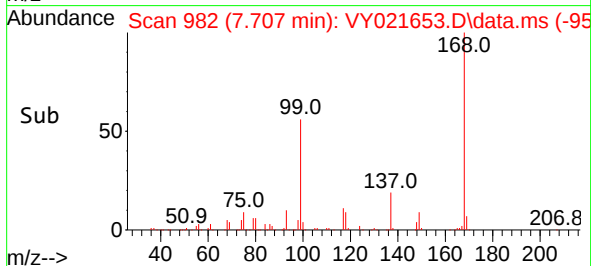
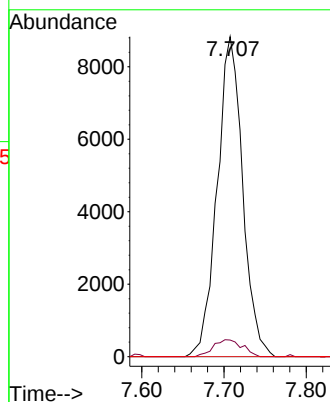
Tgt Ion:117 Resp: 19030

Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.8#

121 0.0 23.9 35.9#



#49

1,4-Dioxane

Concen: 2.112 ug/l

RT: 9.329 min Scan# 1248

Delta R.T. 0.098 min

Lab File: VY021653.D

Acq: 26 Mar 2025 17:44

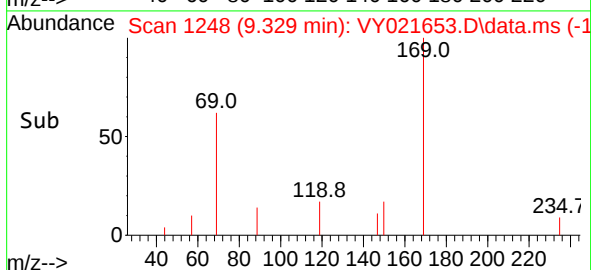
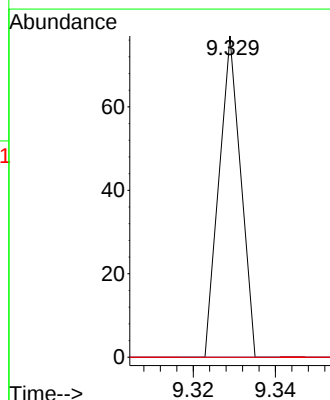
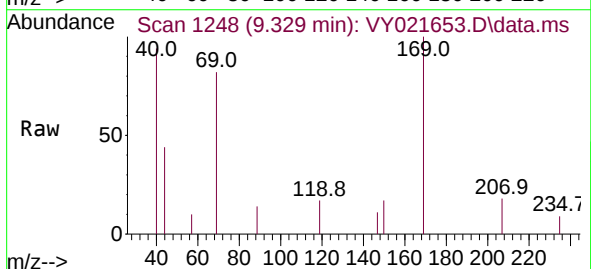
Tgt Ion: 88 Resp: 28

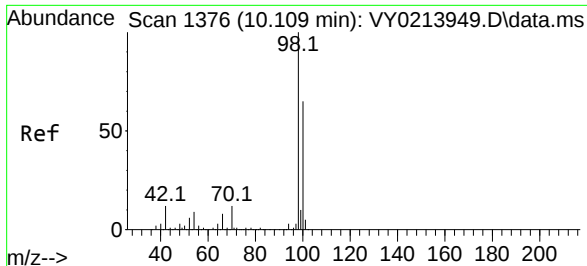
Ion Ratio Lower Upper

88 100

43 0.0 25.0 37.4#

58 0.0 58.4 87.6#

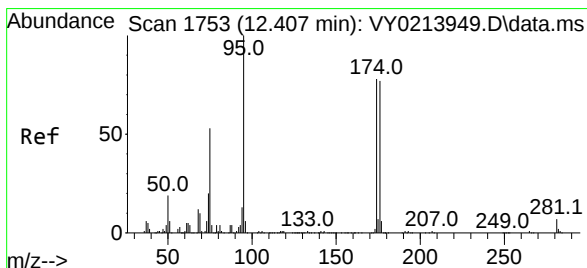
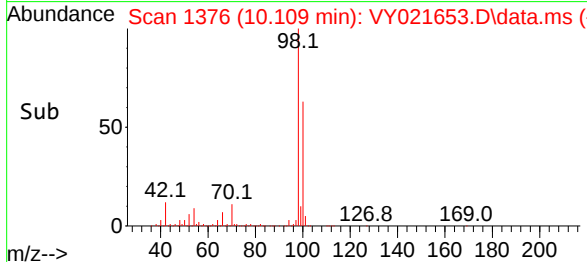
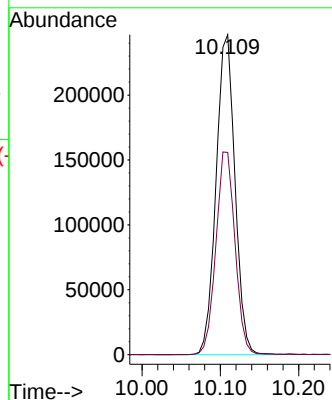
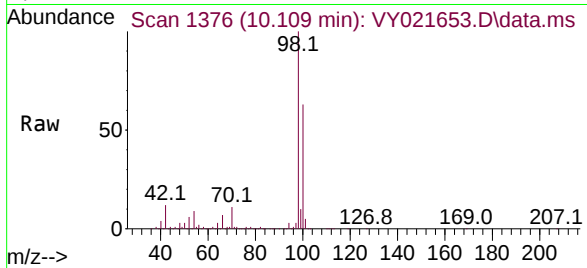




#50
Toluene-d8
Concen: 49.404 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021653.D
Acq: 26 Mar 2025 17:44

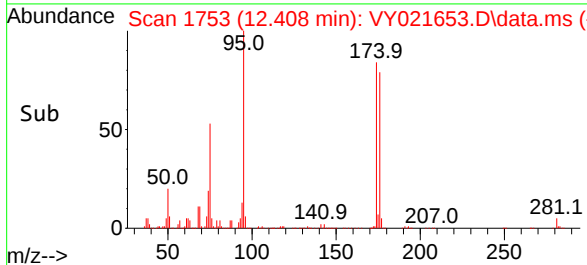
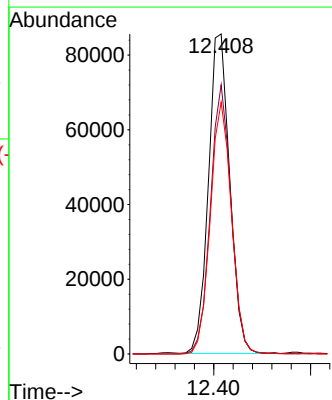
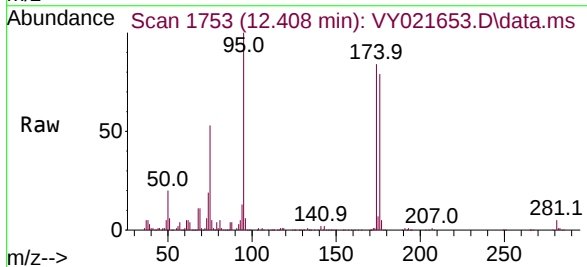
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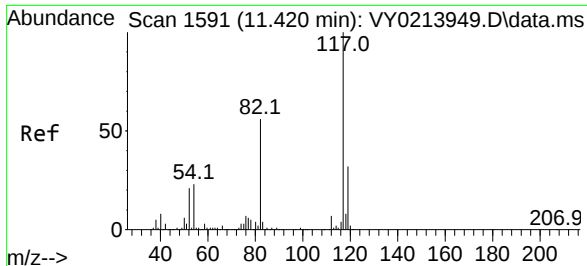
Tgt Ion: 98 Resp: 413682
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.995 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021653.D
Acq: 26 Mar 2025 17:44

Tgt Ion: 95 Resp: 131008
Ion Ratio Lower Upper
95 100
174 82.0 0.0 165.0
176 78.3 0.0 160.0

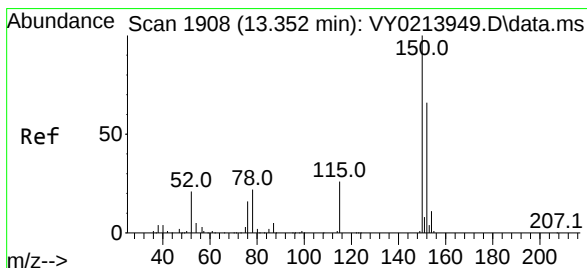
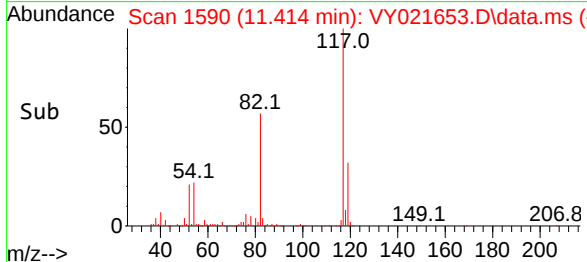
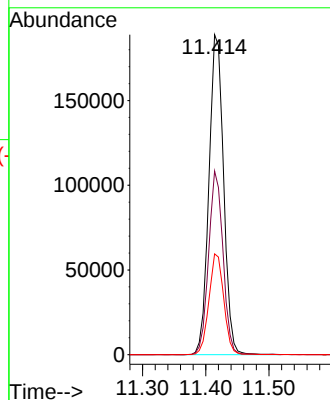
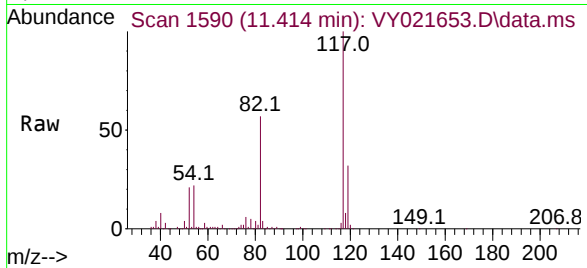




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021653.D
Acq: 26 Mar 2025 17:44

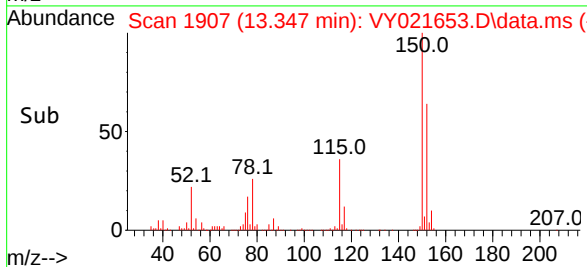
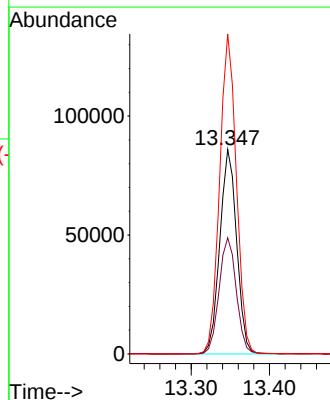
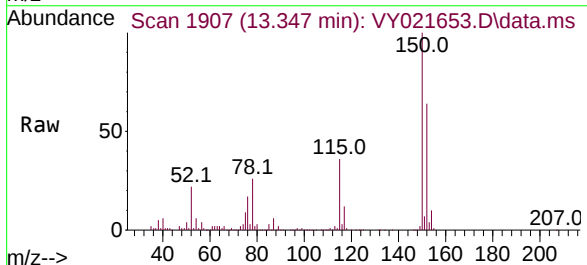
Instrument :
MSVOA_Y
ClientSampleId :
PAT-1-032525

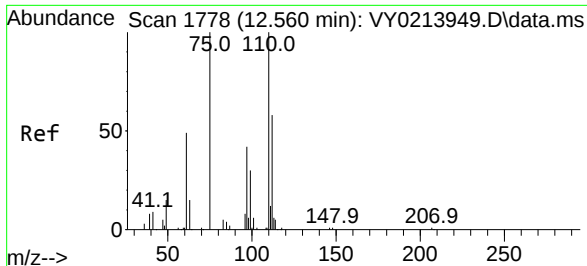
Tgt Ion:117 Resp: 305140
Ion Ratio Lower Upper
117 100
82 57.4 44.6 67.0
119 31.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021653.D
Acq: 26 Mar 2025 17:44

Tgt Ion:152 Resp: 128839
Ion Ratio Lower Upper
152 100
115 58.2 29.0 87.0
150 155.3 0.0 347.2

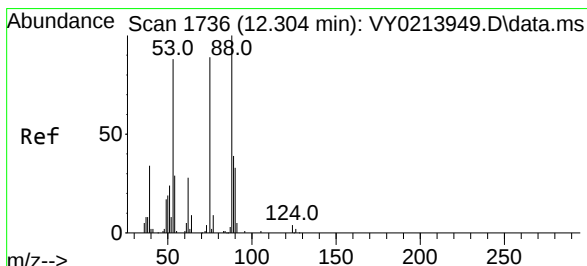
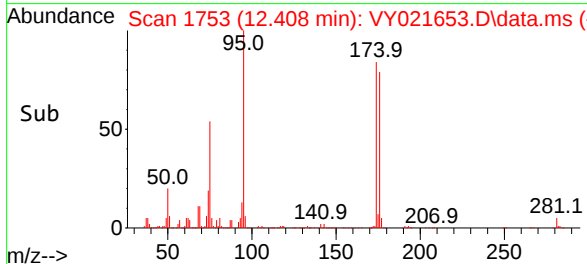
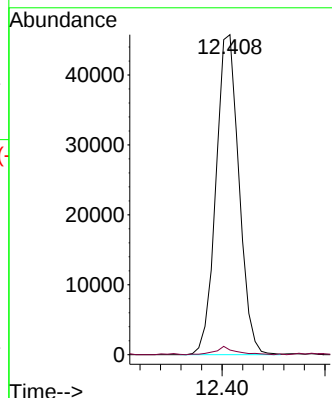
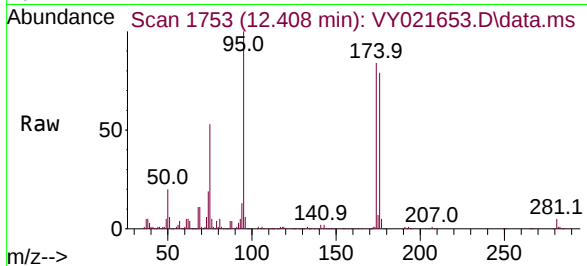




#76
 1,2,3-Trichloropropane
 Concen: 54.668 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021653.D
 Acq: 26 Mar 2025 17:44

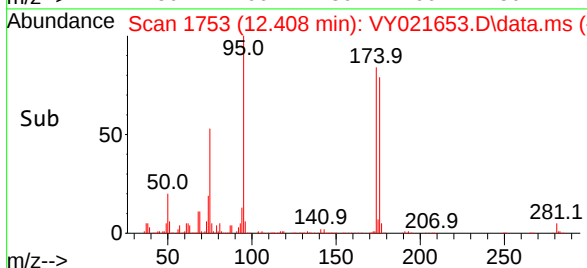
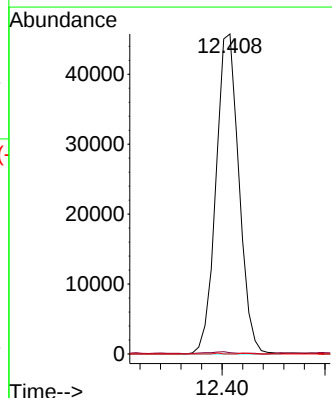
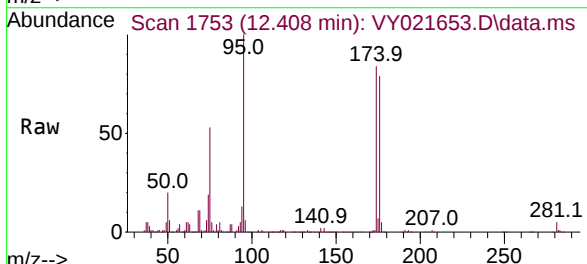
Instrument :
 MSVOA_Y
 ClientSampleId :
 PAT-1-032525

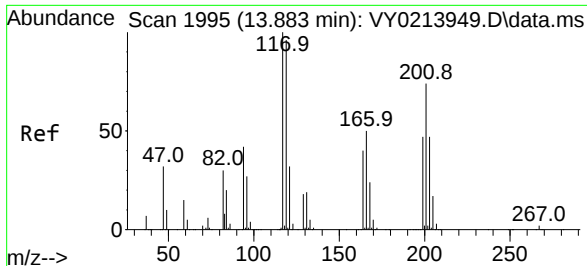
Tgt Ion: 75 Resp: 70975
 Ion Ratio Lower Upper
 75 100
 77 2.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.278 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY021653.D
 Acq: 26 Mar 2025 17:44

Tgt Ion: 75 Resp: 70975
 Ion Ratio Lower Upper
 75 100
 53 0.9 81.0 121.4#
 89 0.1 36.9 55.3#

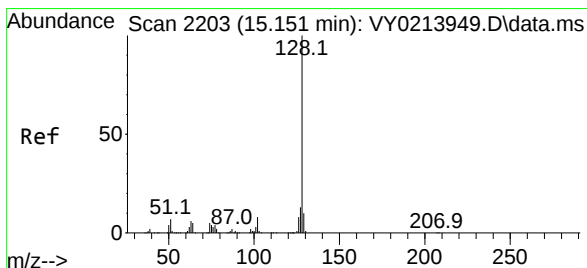
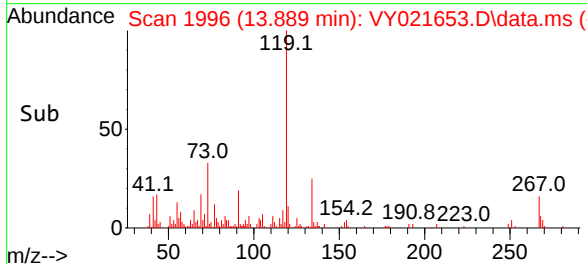
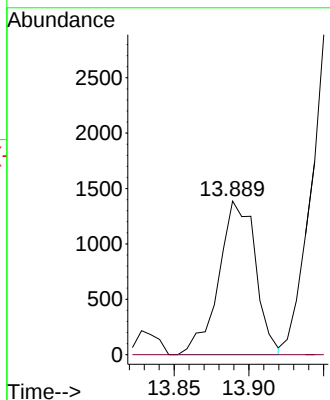
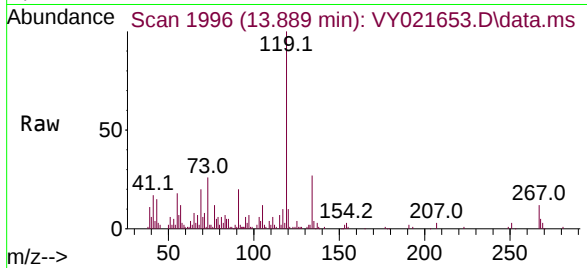




#90
Hexachloroethane
Concen: 1.231 ug/l
RT: 13.889 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021653.D
Acq: 26 Mar 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
PAT-1-032525

Tgt Ion:117 Resp: 2369
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.2#



#95
Naphthalene
Concen: 1.805 ug/l
RT: 15.114 min Scan# 2197
Delta R.T. -0.037 min
Lab File: VY021653.D
Acq: 26 Mar 2025 17:44

Tgt Ion:128 Resp: 1245
Ion Ratio Lower Upper
128 100
127 96.5 10.6 15.8#
129 42.7 8.6 13.0#

