

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032525\
 Data File : VY021629.D
 Acq On : 25 Mar 2025 12:04
 Operator : SY/MD
 Sample : VY0325SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0325SBL01

Quant Time: Mar 26 01:35:31 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	234987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	440273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	390435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	148940	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	139189	56.042	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.080%
35) Dibromofluoromethane	7.634	113	147787	51.067	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.140%
50) Toluene-d8	10.109	98	534999	48.825	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.640%
62) 4-Bromofluorobenzene	12.408	95	159255	42.727	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.460%

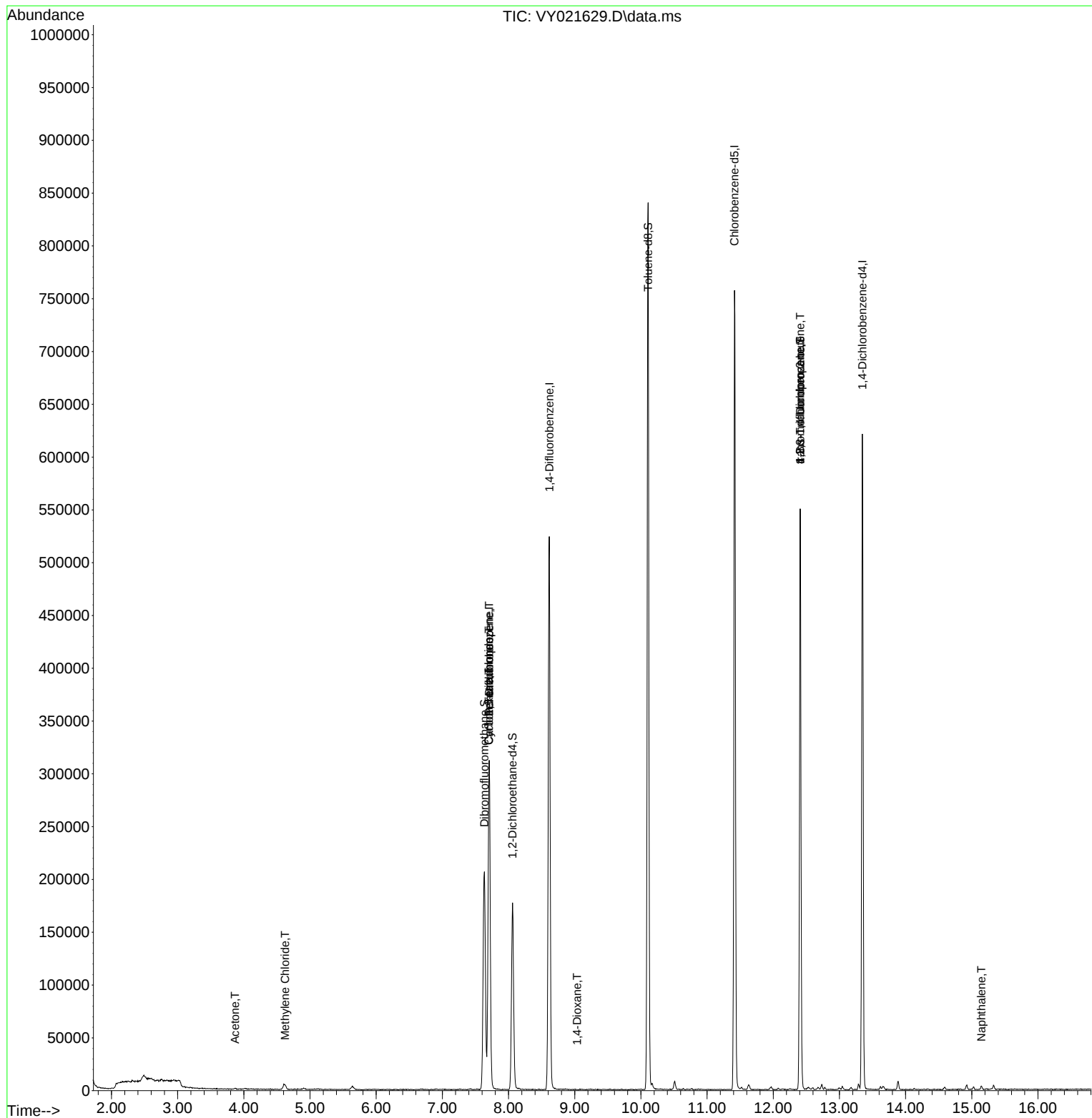
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.830	59	19	Below Cal	#	72
16) Acetone	3.867	43	834	1.540	ug/l #	40
20) Methylene Chloride	4.622	84	3876	1.363	ug/l #	78
31) Cyclohexane	7.701	56	5291	1.137	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	19879	4.388	ug/l #	50
38) Carbon Tetrachloride	7.701	117	23785	4.565	ug/l #	15
49) 1,4-Dioxane	9.036	88	42	2.421	ug/l #	22
76) 1,2,3-Trichloropropane	12.408	75	84265	56.145	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	84265	127.635	ug/l #	9
95) Naphthalene	15.145	128	3016	2.196	ug/l #	89

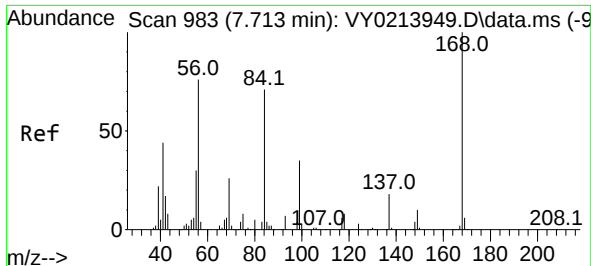
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032525\
Data File : VY021629.D
Acq On : 25 Mar 2025 12:04
Operator : SY/MD
Sample : VY0325SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBL01

Quant Time: Mar 26 01:35:31 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

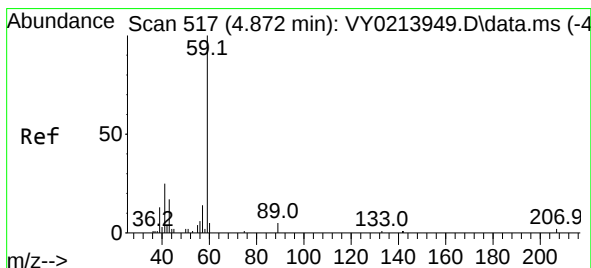
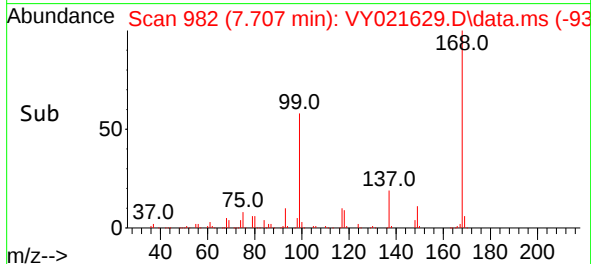
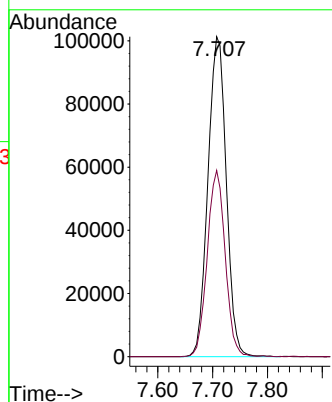
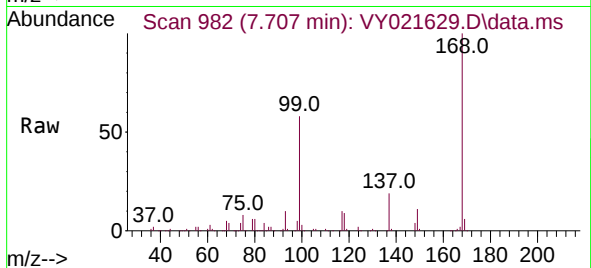




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021629.D
Acq: 25 Mar 2025 12:04

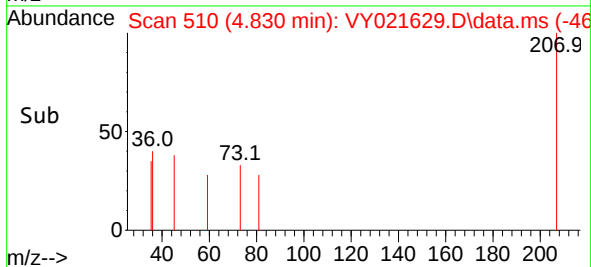
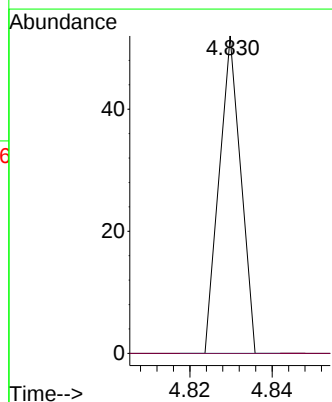
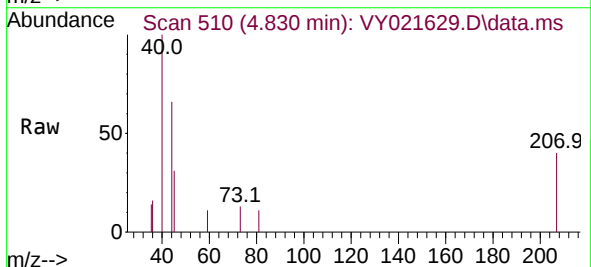
Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBL01

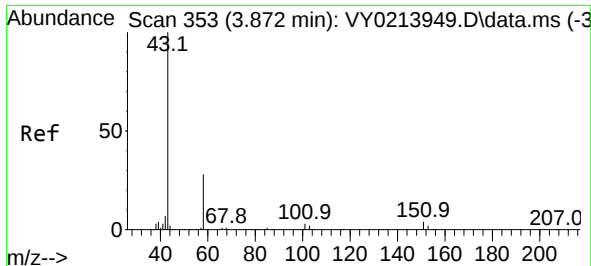
Tgt Ion:168 Resp: 234987
Ion Ratio Lower Upper
168 100
99 58.2 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.830 min Scan# 510
Delta R.T. -0.042 min
Lab File: VY021629.D
Acq: 25 Mar 2025 12:04

Tgt Ion: 59 Resp: 19
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

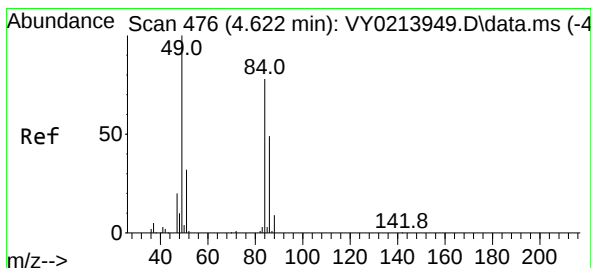
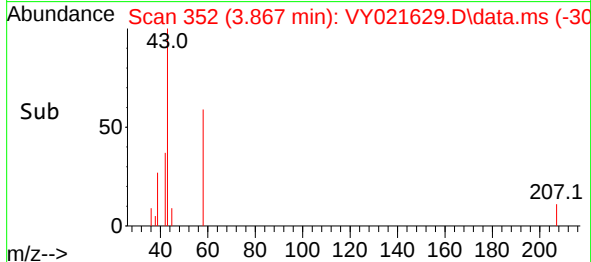
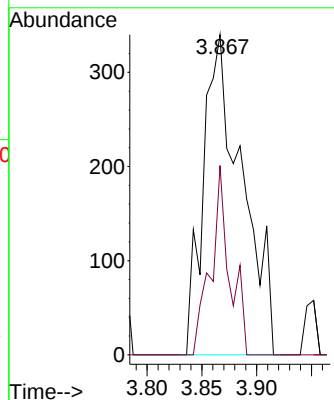
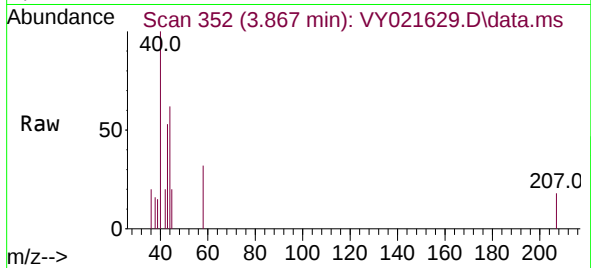




#16
Acetone
Concen: 1.540 ug/l
RT: 3.867 min Scan# 31
Delta R.T. -0.005 min
Lab File: VY021629.D
Acq: 25 Mar 2025 12:04

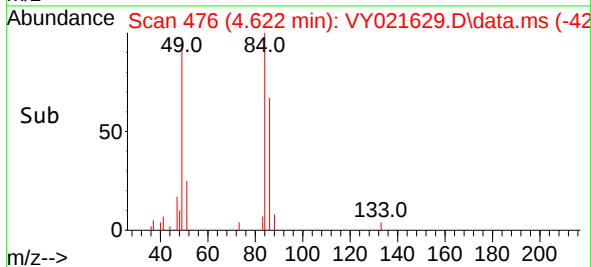
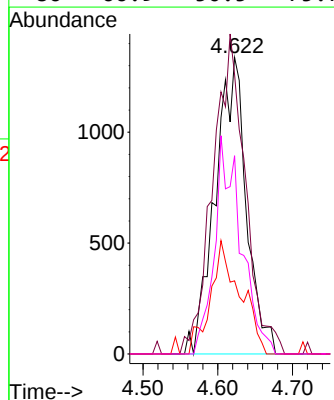
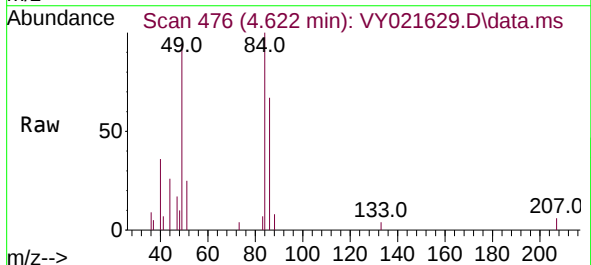
Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBL01

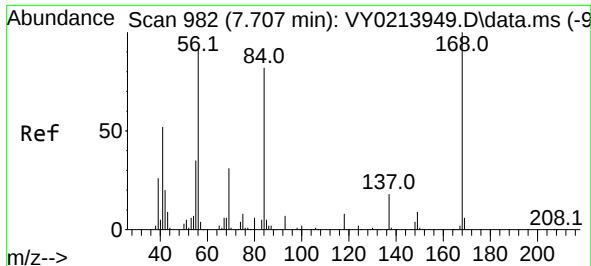
Tgt Ion: 43 Resp: 834
Ion Ratio Lower Upper
43 100
58 59.1 22.1 33.1#



#20
Methylene Chloride
Concen: 1.363 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY021629.D
Acq: 25 Mar 2025 12:04

Tgt Ion: 84 Resp: 3876
Ion Ratio Lower Upper
84 100
49 94.2 102.0 153.0#
51 24.7 33.0 49.6#
86 66.9 50.5 75.7

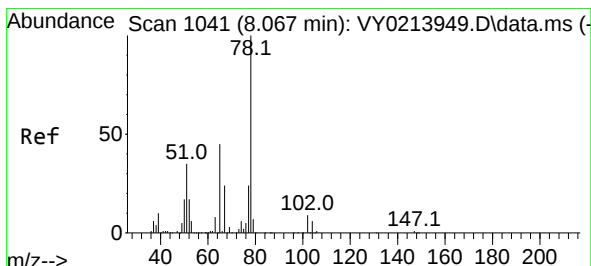
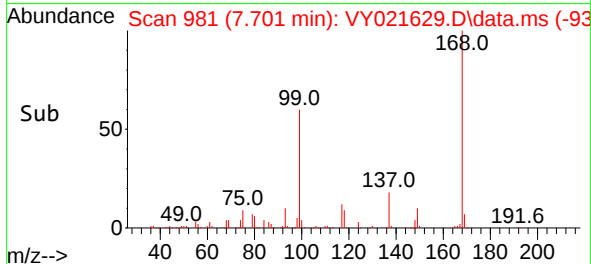
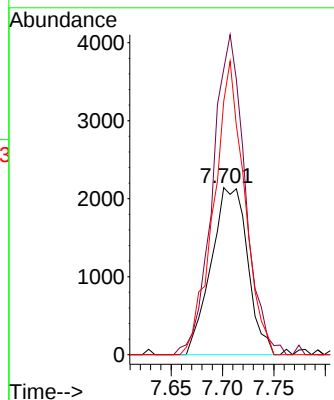
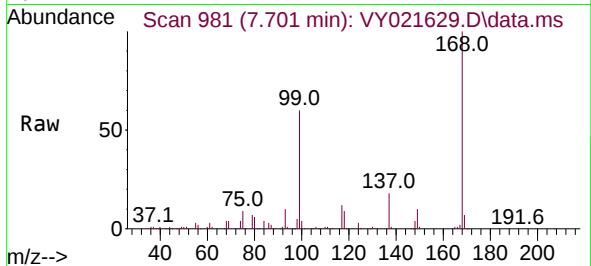




#31
Cyclohexane
Concen: 1.137 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021629.D
Acq: 25 Mar 2025 12:04

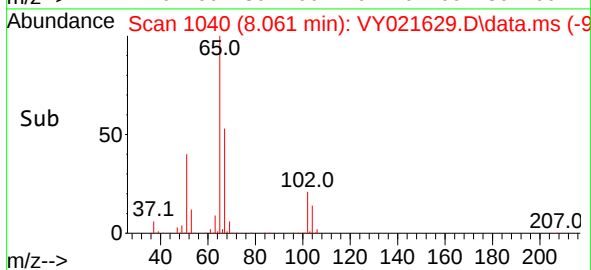
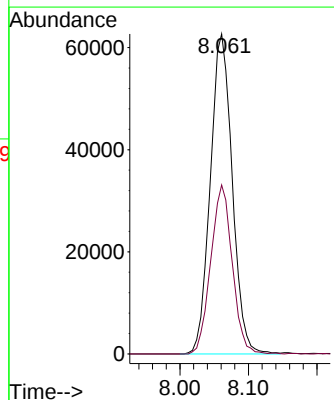
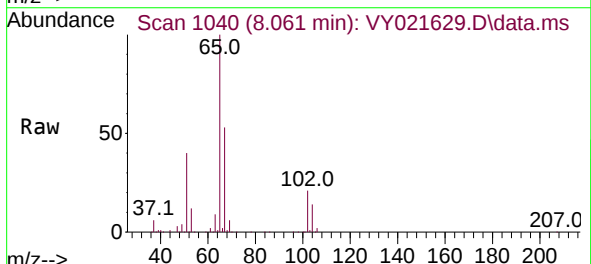
Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBL01

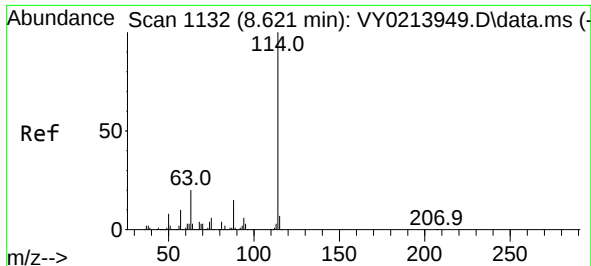
Tgt Ion: 56 Resp: 5291
Ion Ratio Lower Upper
56 100
69 166.7 27.0 40.4#
84 151.7 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 56.042 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021629.D
Acq: 25 Mar 2025 12:04

Tgt Ion: 65 Resp: 139189
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.8

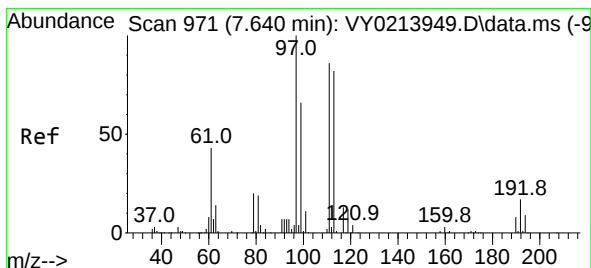
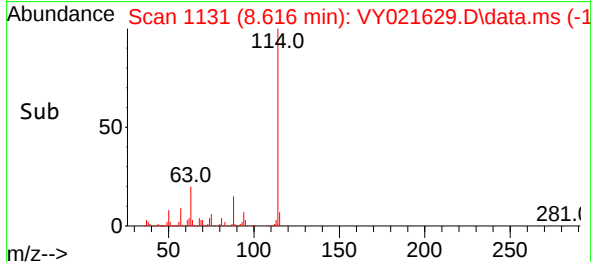
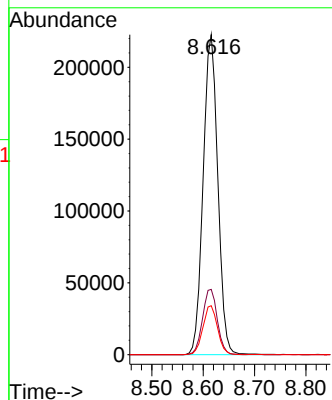
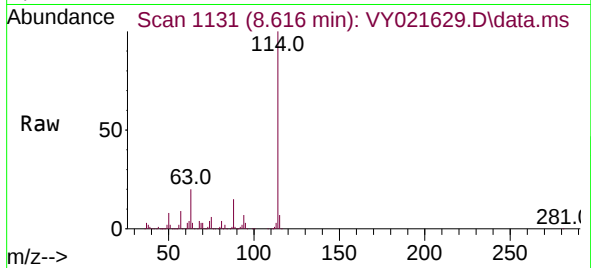




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021629.D
Acq: 25 Mar 2025 12:04

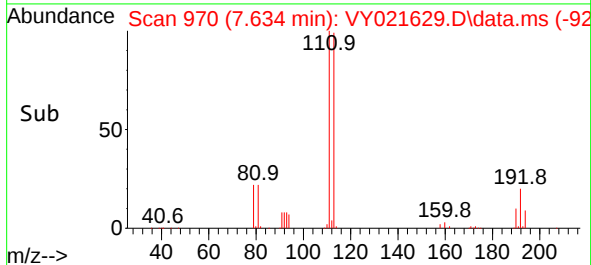
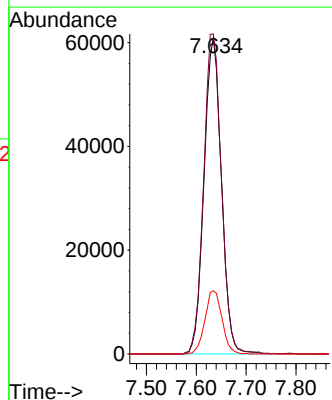
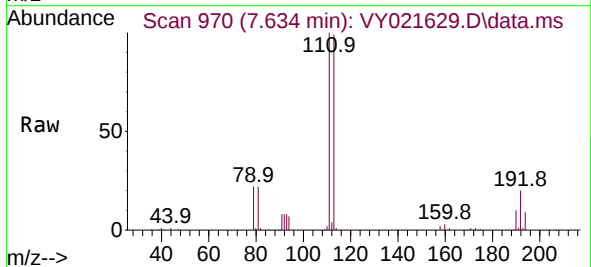
Instrument :
MSVOA_Y
ClientSampleId :
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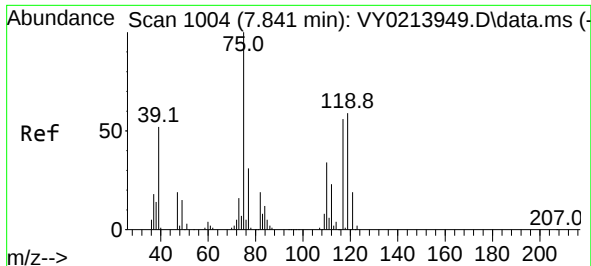
Tgt Ion:114 Resp: 440273
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 15.3 0.0 30.8



#35
Dibromofluoromethane
Concen: 51.067 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021629.D
Acq: 25 Mar 2025 12:04

Tgt Ion:113 Resp: 147787
Ion Ratio Lower Upper
113 100
111 103.3 82.0 123.0
192 19.7 15.9 23.9

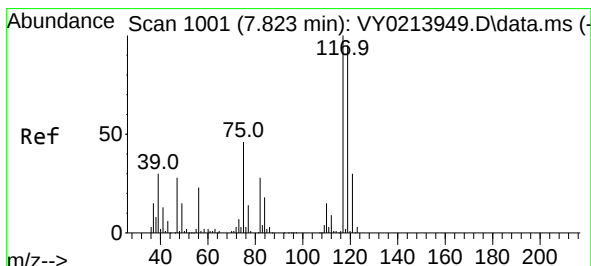
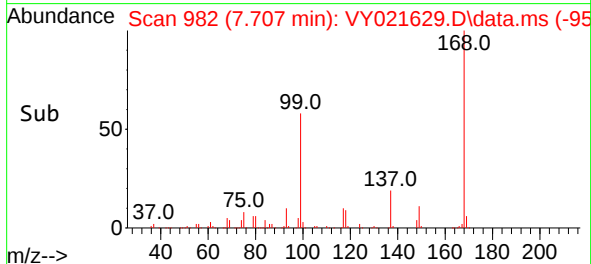
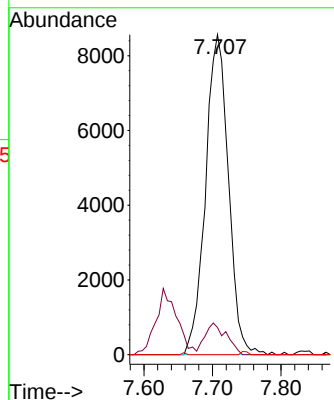
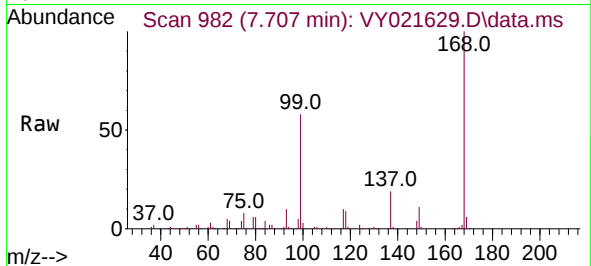




#36
1,1-Dichloropropene
Concen: 4.388 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY021629.D
Acq: 25 Mar 2025 12:04

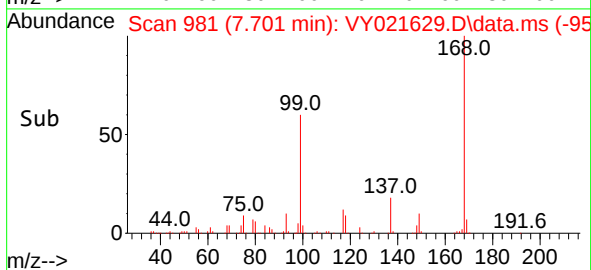
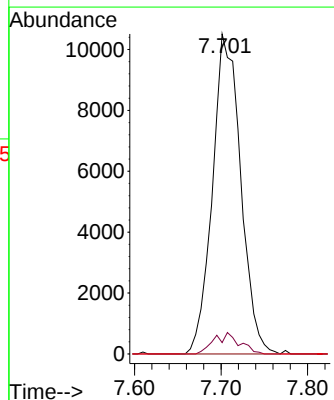
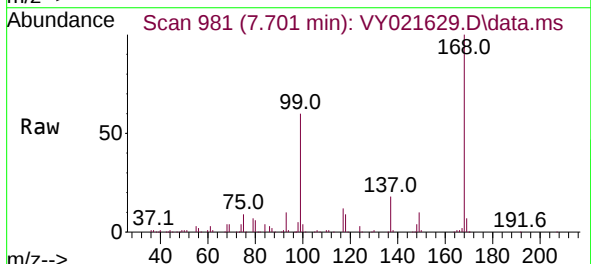
Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBL01

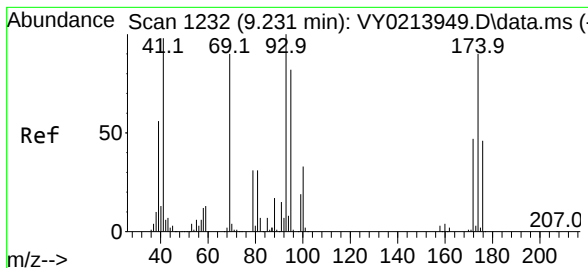
Tgt Ion: 75 Resp: 19879
Ion Ratio Lower Upper
75 100
110 9.2 17.3 51.7#
77 0.0 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 4.565 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY021629.D
Acq: 25 Mar 2025 12:04

Tgt Ion: 117 Resp: 23785
Ion Ratio Lower Upper
117 100
119 3.5 75.8 113.8#
121 0.0 23.9 35.9#





#49

1,4-Dioxane

Concen: 2.421 ug/l

RT: 9.036 min Scan# 11

Delta R.T. -0.195 min

Lab File: VY021629.D

Acq: 25 Mar 2025 12:04

Instrument :

MSVOA_Y

ClientSampleId :

VY0325SBL01

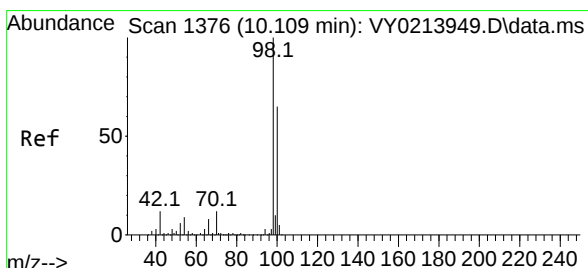
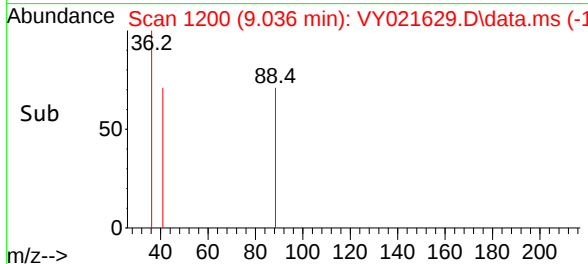
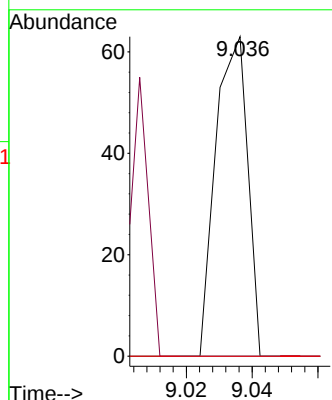
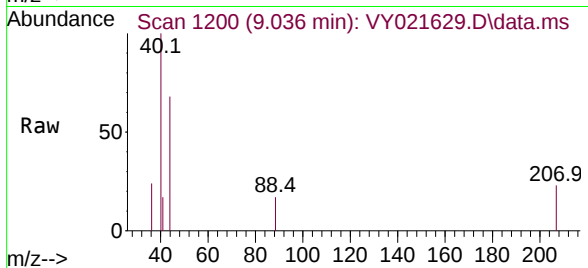
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 0.0 25.0 37.4#

58 0.0 58.4 87.6#



#50

Toluene-d8

Concen: 48.825 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021629.D

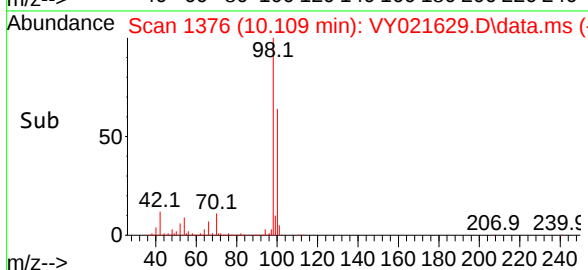
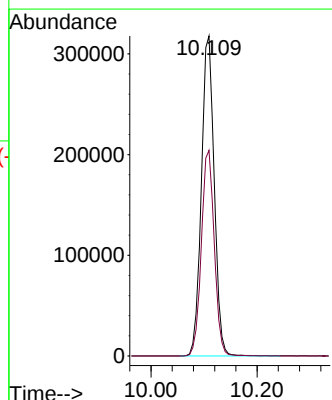
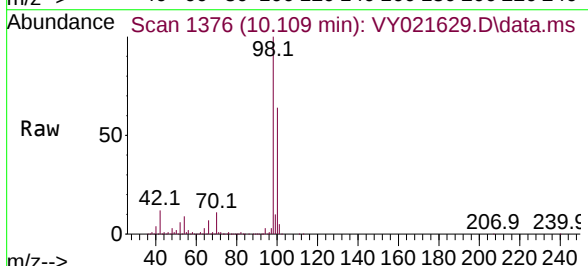
Acq: 25 Mar 2025 12:04

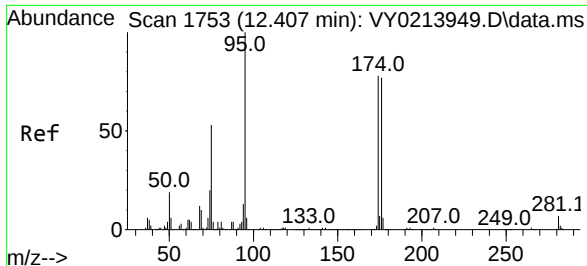
Tgt Ion: 98 Resp: 534999

Ion Ratio Lower Upper

98 100

100 64.5 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 42.727 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021629.D

Acq: 25 Mar 2025 12:04

Instrument :

MSVOA_Y

ClientSampleId :

VY0325SBL01

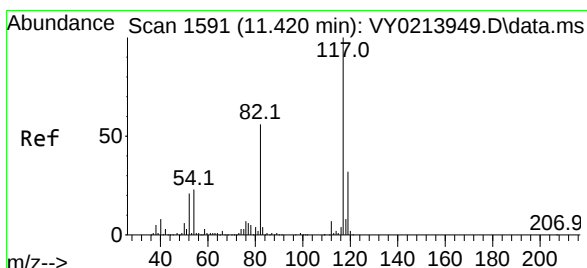
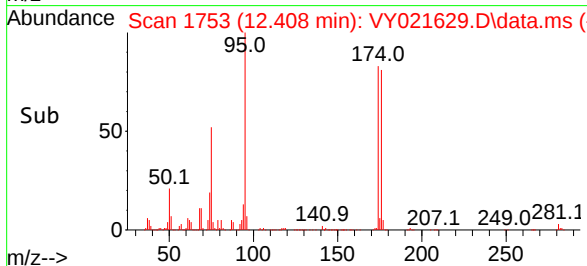
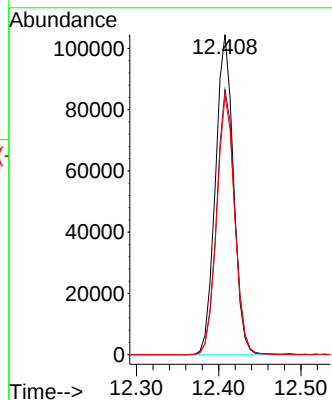
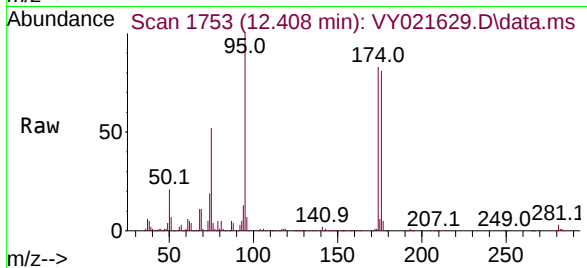
Tgt Ion: 95 Resp: 159255

Ion Ratio Lower Upper

95 100

174 83.1 0.0 165.0

176 80.4 0.0 160.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY021629.D

Acq: 25 Mar 2025 12:04

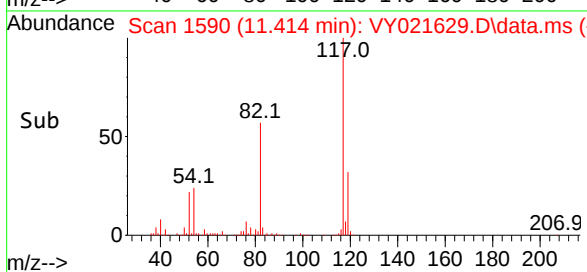
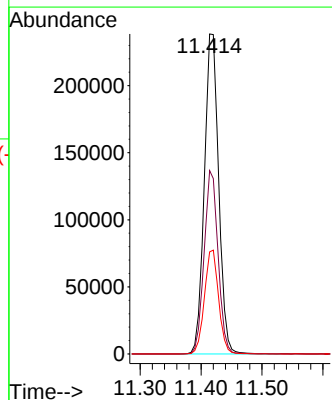
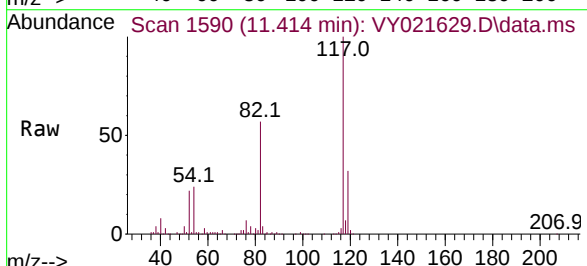
Tgt Ion: 117 Resp: 390435

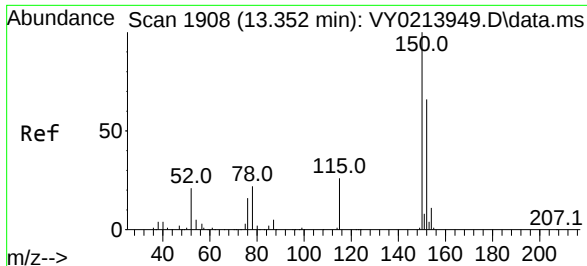
Ion Ratio Lower Upper

117 100

82 57.3 44.6 67.0

119 31.9 25.4 38.0

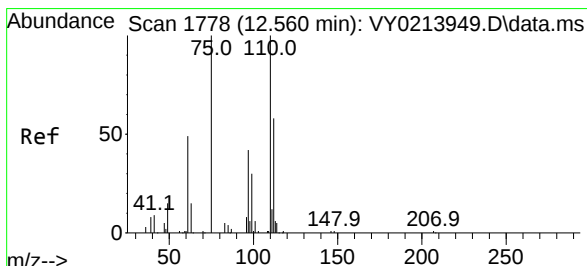
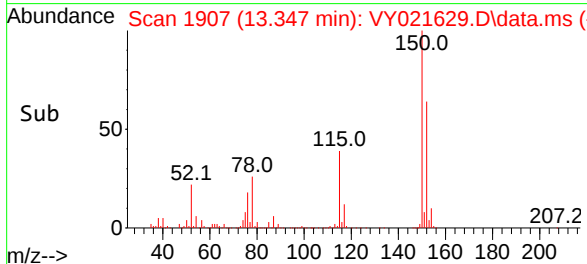
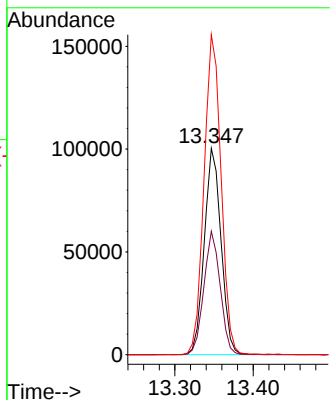
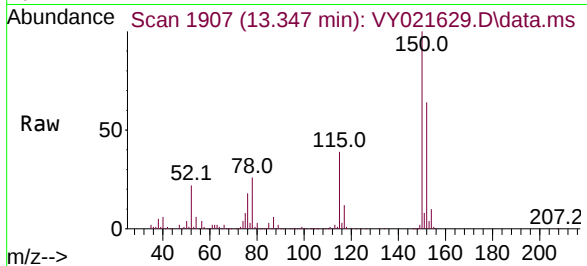




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021629.D
 Acq: 25 Mar 2025 12:04

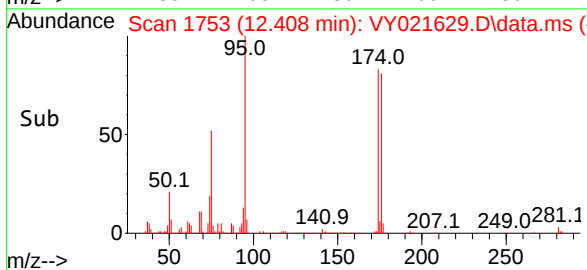
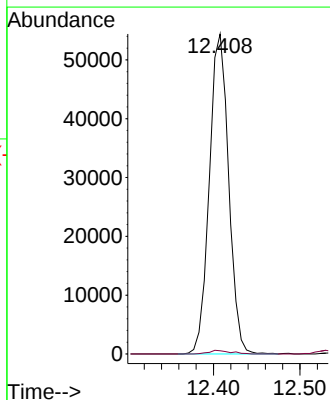
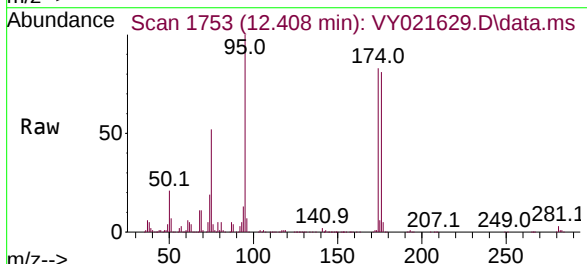
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0325SBL01

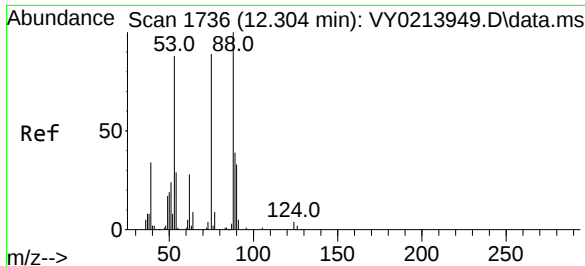
Tgt Ion:152 Resp: 148940
 Ion Ratio Lower Upper
 152 100
 115 58.3 29.0 87.0
 150 157.5 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 56.145 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021629.D
 Acq: 25 Mar 2025 12:04

Tgt Ion: 75 Resp: 84265
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

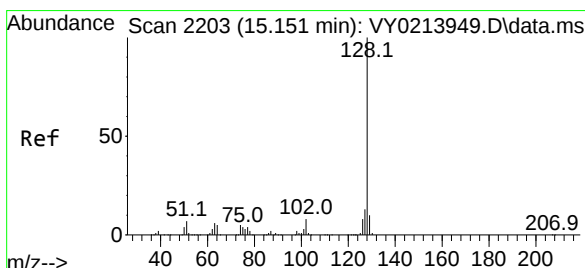
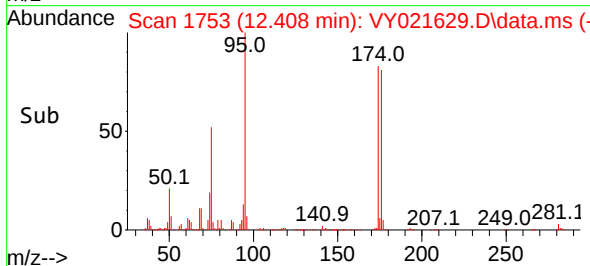
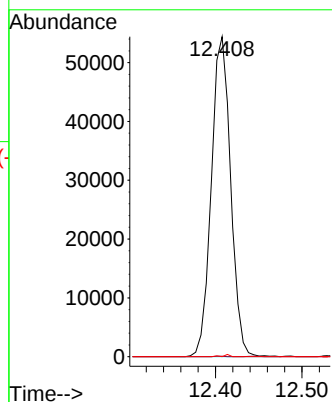
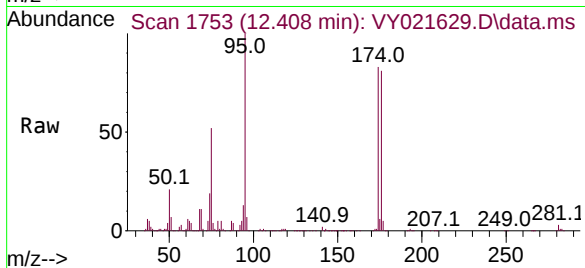




#81
trans-1,4-Dichloro-2-butene
Concen: 127.635 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021629.D
Acq: 25 Mar 2025 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBL01

Tgt Ion: 75 Resp: 84265
Ion Ratio Lower Upper
75 100
53 0.1 81.0 121.4#
89 0.2 36.9 55.3#



#95
Naphthalene
Concen: 2.196 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.006 min
Lab File: VY021629.D
Acq: 25 Mar 2025 12:04

Tgt Ion: 128 Resp: 3016
Ion Ratio Lower Upper
128 100
127 9.7 10.6 15.8#
129 5.3 8.6 13.0#

