

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
 Data File : VY021384.D
 Acq On : 28 Feb 2025 16:41
 Operator : SY/MD
 Sample : Q1448-03
 Misc : 5.22g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P2RE

Quant Time: Feb 28 22:21:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	121901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	220759	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	190273	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	61708	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	82163	59.415	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.840%
35) Dibromofluoromethane	7.628	113	79241	54.750	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.500%
50) Toluene-d8	10.103	98	265235	47.419	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.840%
62) 4-Bromofluorobenzene	12.402	95	72859	38.704	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.400%

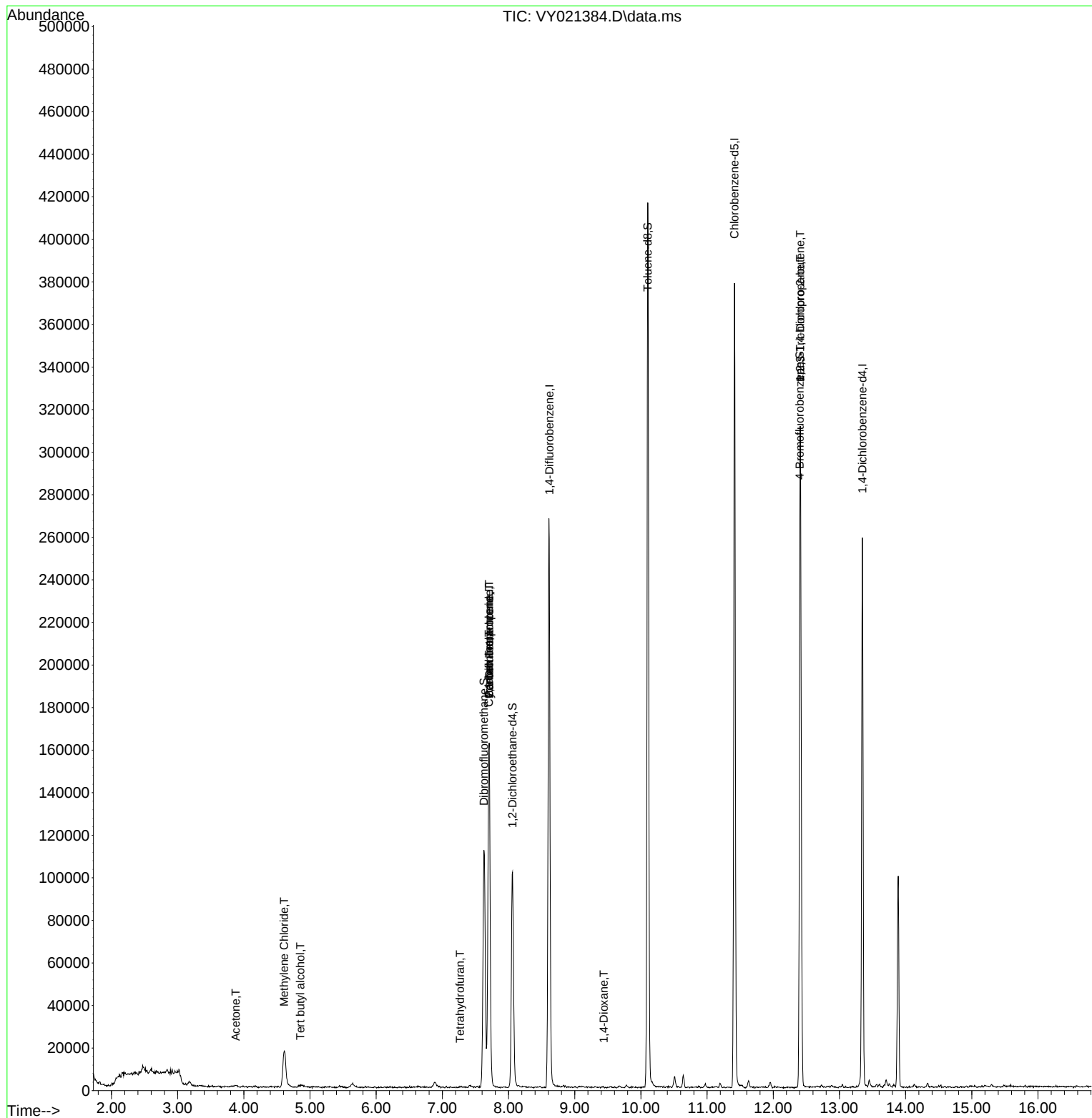
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.854	59	888	8.348	ug/l #	72
16) Acetone	3.879	43	1054	3.973	ug/l #	72
20) Methylene Chloride	4.610	84	12720	8.868	ug/l	88
29) Tetrahydrofuran	7.268	42	418	1.597	ug/l #	35
31) Cyclohexane	7.701	56	3039	1.246	ug/l #	24
36) 1,1-Dichloropropene	7.707	75	10201	4.692	ug/l #	52
38) Carbon Tetrachloride	7.707	117	12803	5.238	ug/l #	18
49) 1,4-Dioxane	9.439	88	19	2.021	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	40219	65.115	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	40219	144.727	ug/l #	11

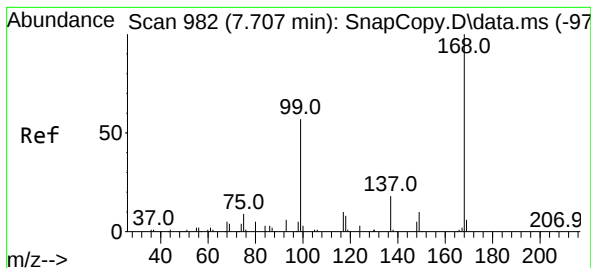
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY021384.D

Acq: 28 Feb 2025 16:41

Instrument :

MSVOA_Y

ClientSampleId :

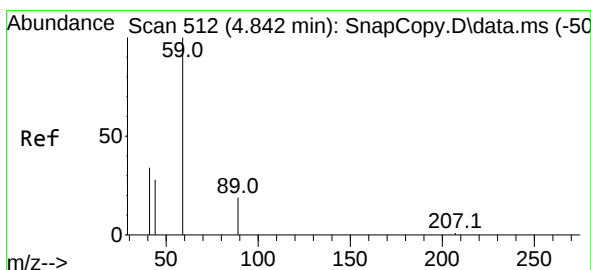
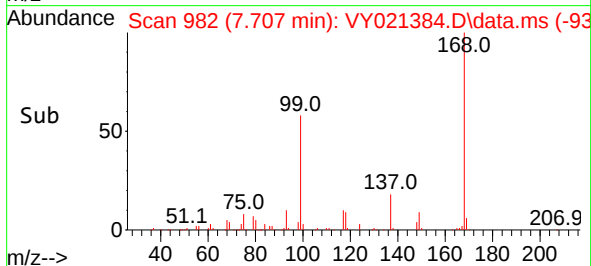
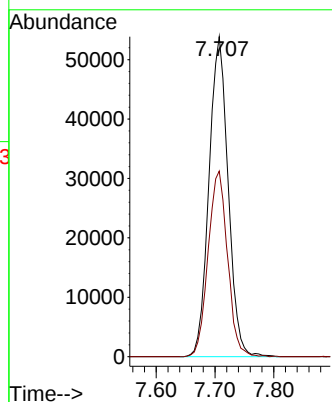
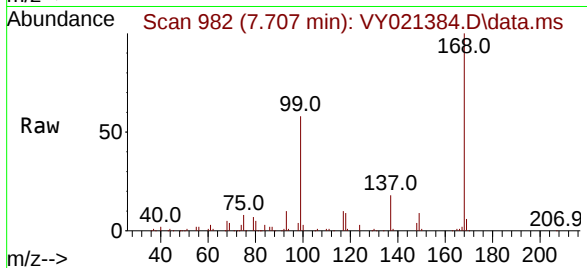
P2RE

Tgt Ion:168 Resp: 121901

Ion Ratio Lower Upper

168 100

99 58.0 47.1 70.7



#11

Tert butyl alcohol

Concen: 8.348 ug/l

RT: 4.854 min Scan# 514

Delta R.T. 0.000 min

Lab File: VY021384.D

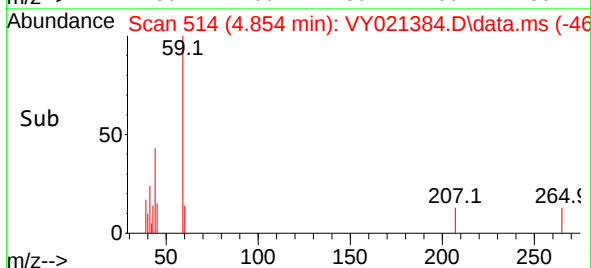
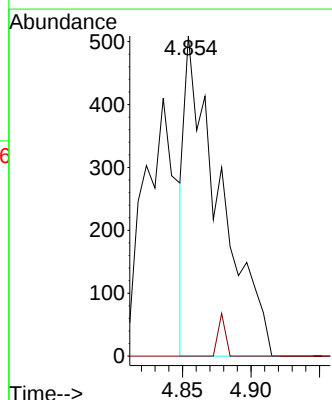
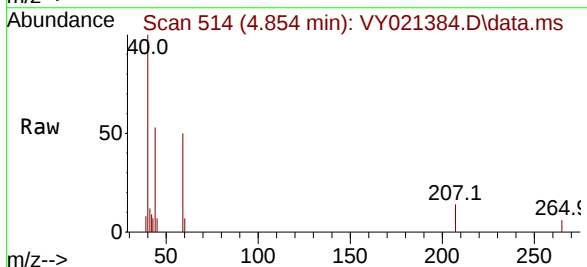
Acq: 28 Feb 2025 16:41

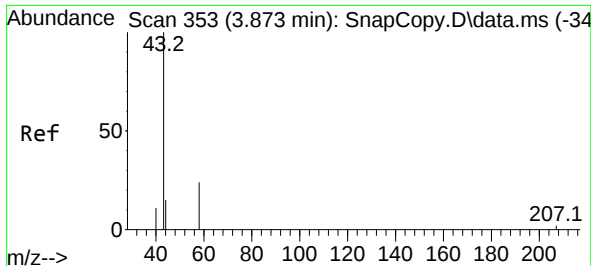
Tgt Ion: 59 Resp: 888

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

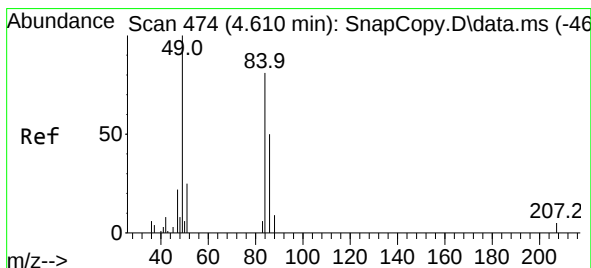
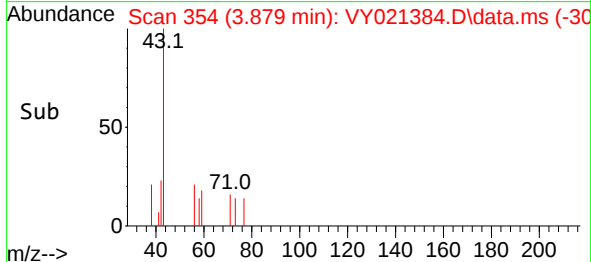
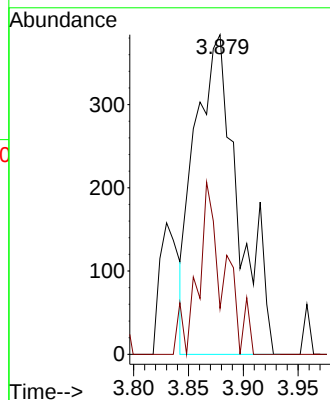
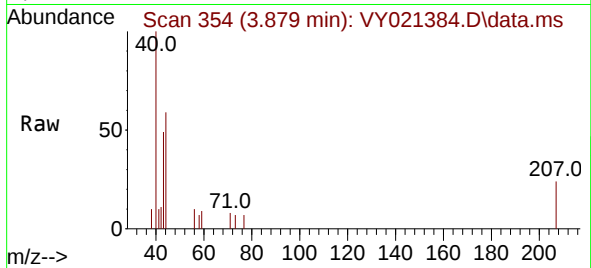




#16
Acetone
Concen: 3.973 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY021384.D
Acq: 28 Feb 2025 16:41

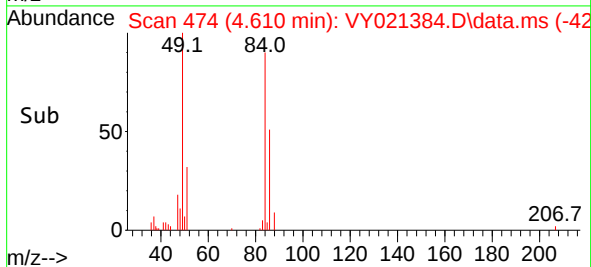
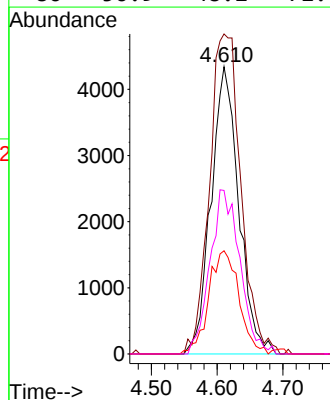
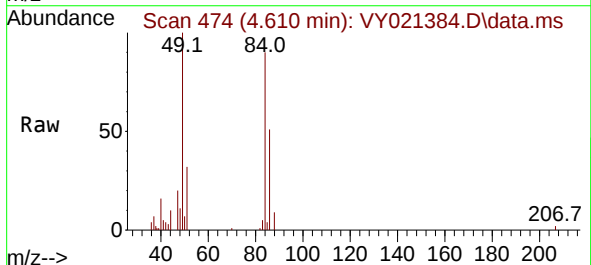
Instrument :
MSVOA_Y
ClientSampleId :
P2RE

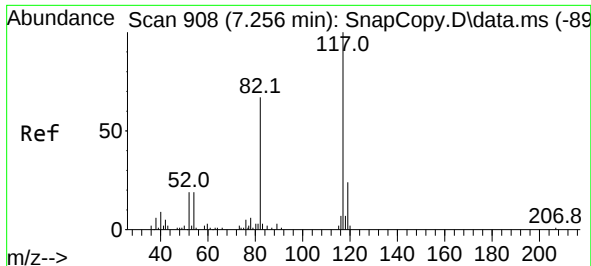
Tgt Ion: 43 Resp: 1054
Ion Ratio Lower Upper
43 100
58 14.3 23.5 35.3#



#20
Methylene Chloride
Concen: 8.868 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021384.D
Acq: 28 Feb 2025 16:41

Tgt Ion: 84 Resp: 12720
Ion Ratio Lower Upper
84 100
49 111.4 105.1 157.7
51 36.0 31.0 46.4
86 56.9 48.2 72.4





#29

Tetrahydrofuran

Concen: 1.597 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.012 min

Lab File: VY021384.D

Acq: 28 Feb 2025 16:41

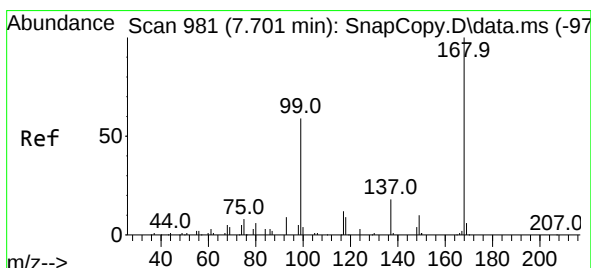
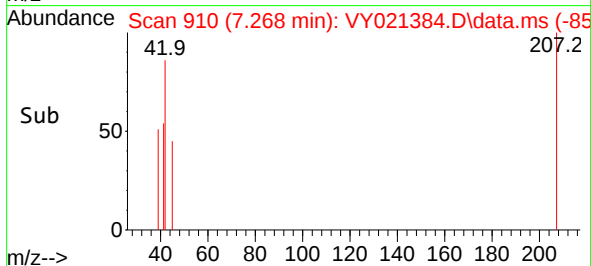
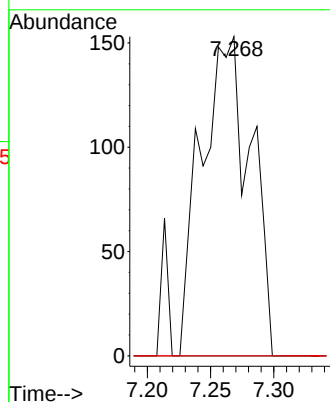
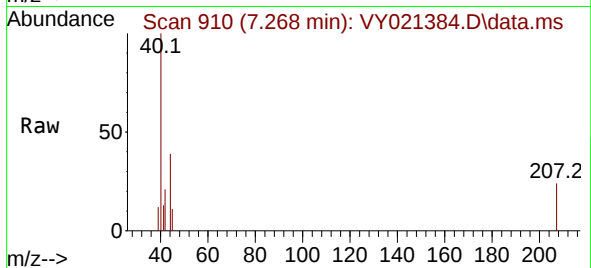
Instrument :

MSVOA_Y

ClientSampleId :

P2RE

Tgt Ion:	42	Resp:	418
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.1	49.7#
71	0.0	31.4	47.0#



#31

Cyclohexane

Concen: 1.246 ug/l

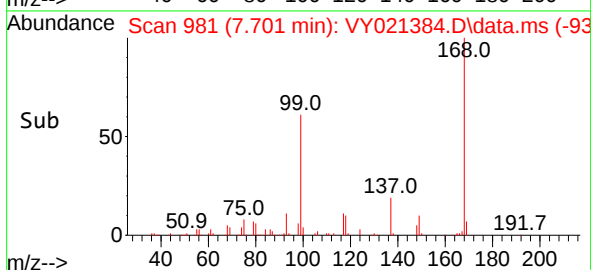
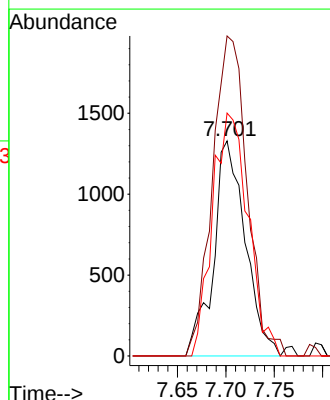
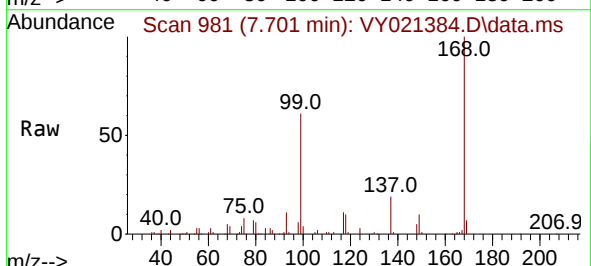
RT: 7.701 min Scan# 981

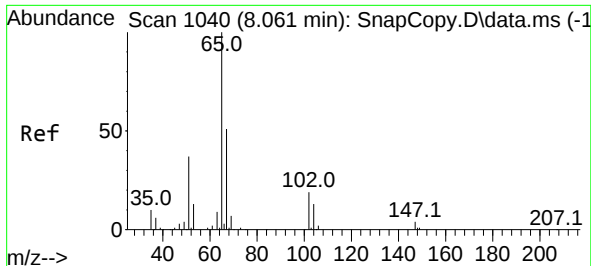
Delta R.T. 0.000 min

Lab File: VY021384.D

Acq: 28 Feb 2025 16:41

Tgt Ion:	56	Resp:	3039
Ion	Ratio	Lower	Upper
56	100		
69	148.8	26.2	39.4#
84	112.9	70.2	105.4#





#33

1,2-Dichloroethane-d4

Concen: 59.415 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY021384.D

Acq: 28 Feb 2025 16:41

Instrument :

MSVOA_Y

ClientSampleId :

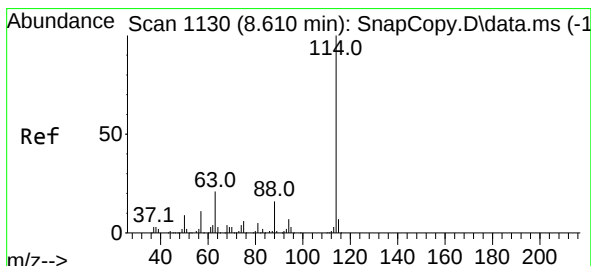
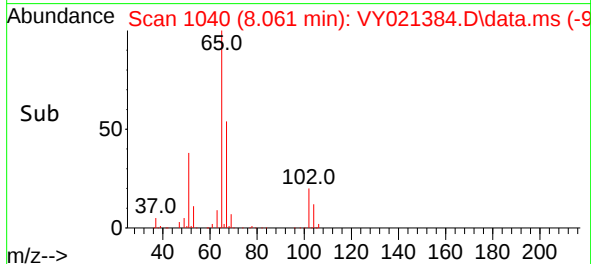
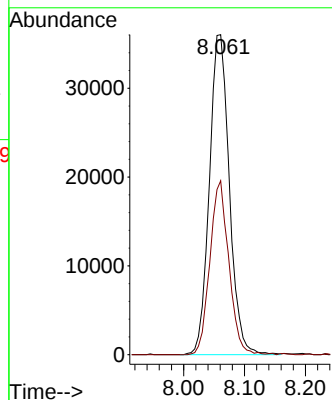
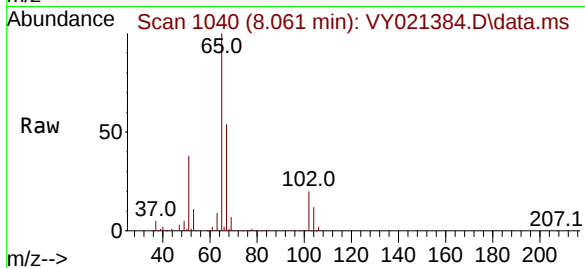
P2RE

Tgt Ion: 65 Resp: 82163

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021384.D

Acq: 28 Feb 2025 16:41

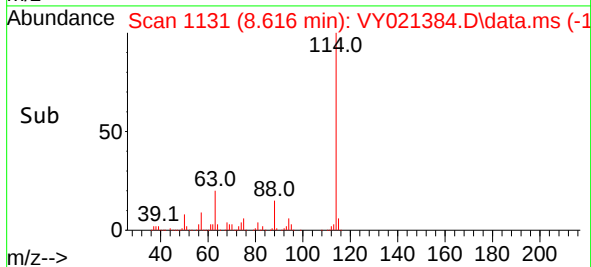
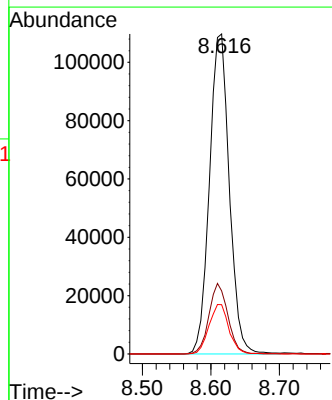
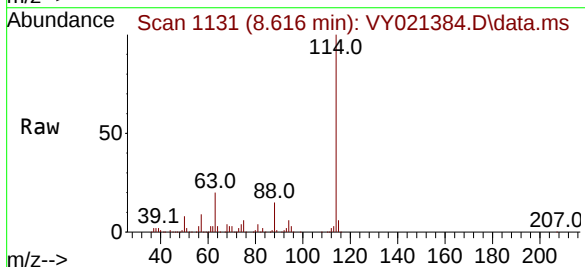
Tgt Ion: 114 Resp: 220759

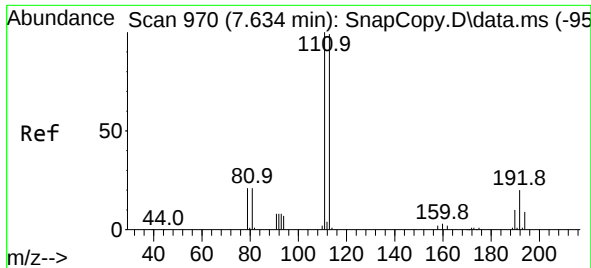
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.2

88 15.4 0.0 29.8

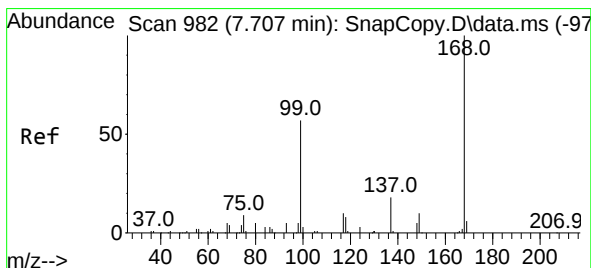
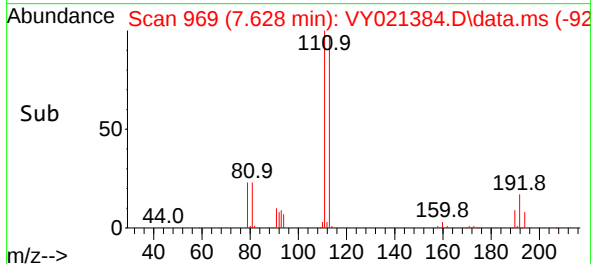
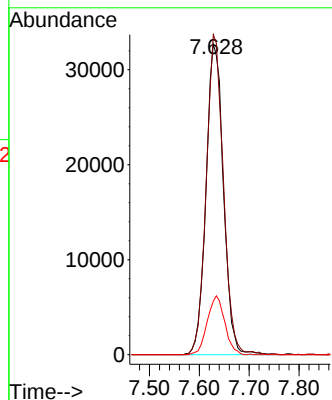
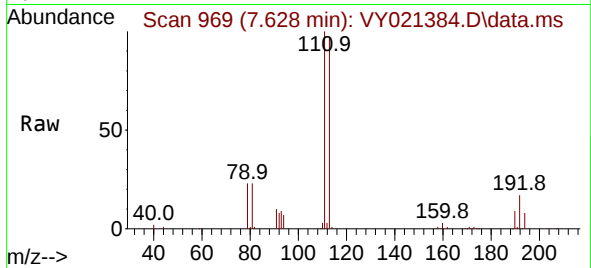




#35
Dibromofluoromethane
Concen: 54.750 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY021384.D
Acq: 28 Feb 2025 16:41

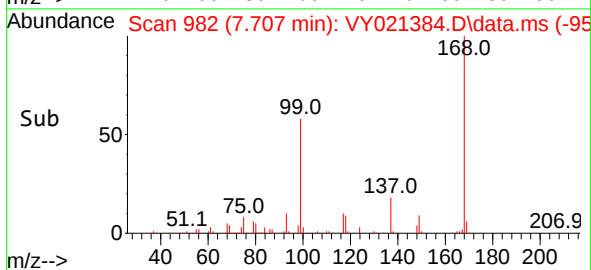
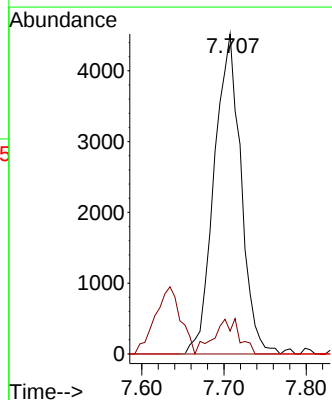
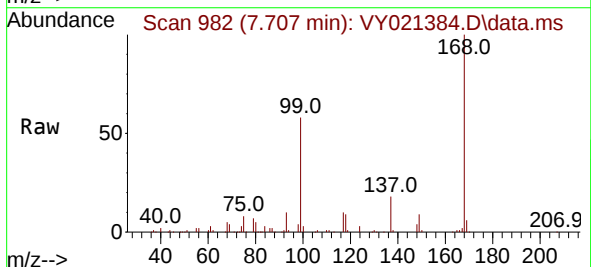
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MSVOA_Y
ClientSampleId :
P2RE

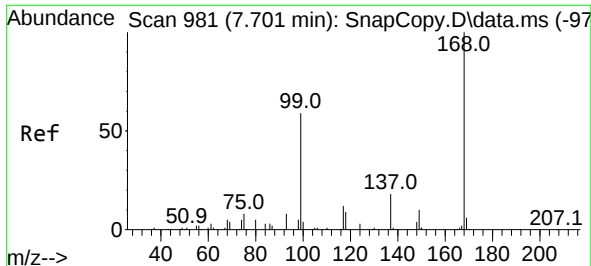
Tgt Ion:113 Resp: 79241
Ion Ratio Lower Upper
113 100
111 101.6 81.0 121.6
192 19.0 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.692 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021384.D
Acq: 28 Feb 2025 16:41

Tgt Ion: 75 Resp: 10201
Ion Ratio Lower Upper
75 100
110 10.5 16.9 50.7#
77 0.0 24.6 36.8#

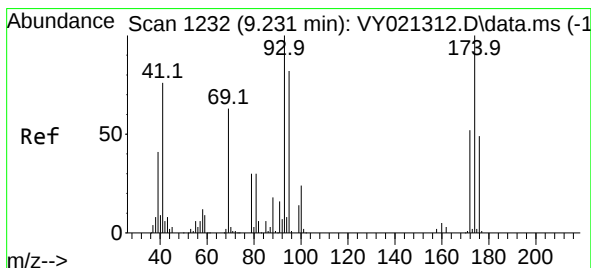
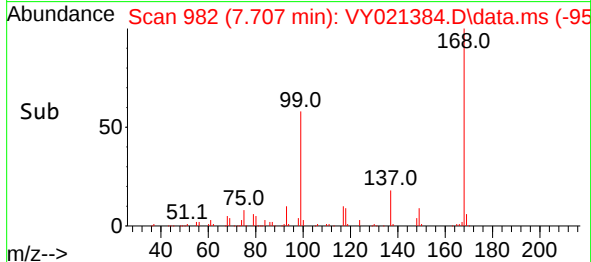
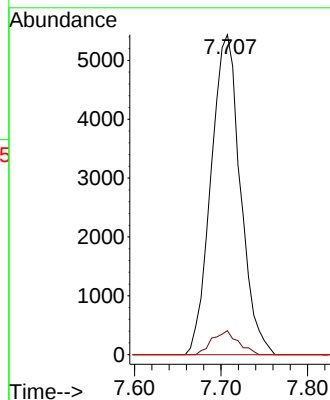
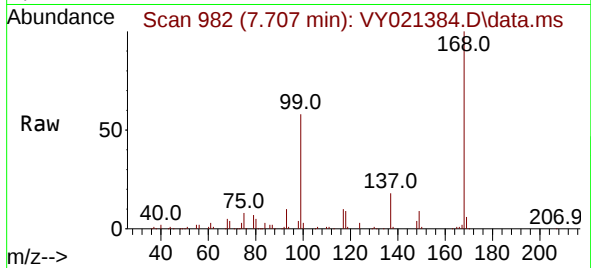




#38
Carbon Tetrachloride
Concen: 5.238 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021384.D
Acq: 28 Feb 2025 16:41

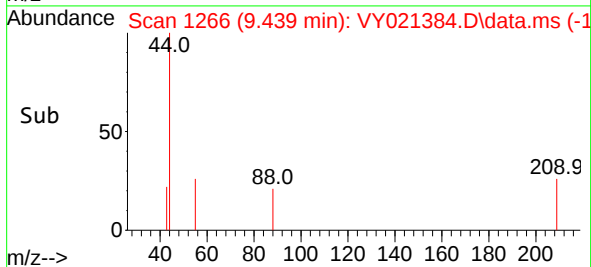
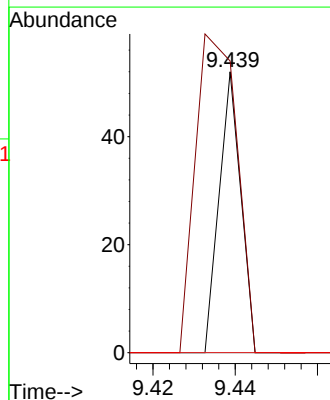
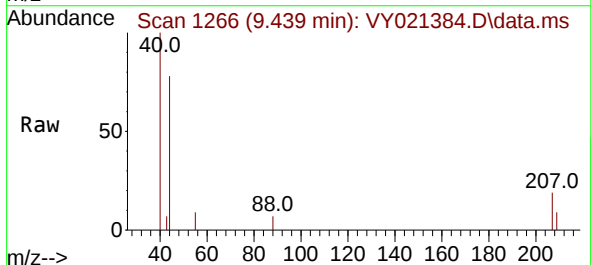
Instrument :
MSVOA_Y
ClientSampleId :
P2RE

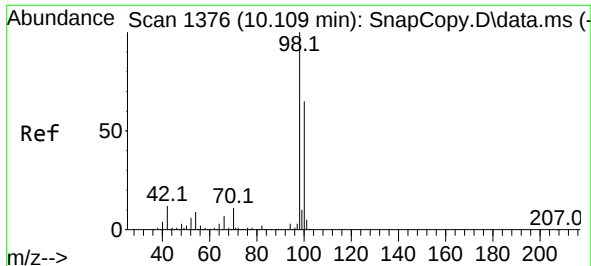
Tgt Ion:117 Resp: 12803
Ion Ratio Lower Upper
117 100
119 7.5 76.0 114.0#
121 0.0 24.9 37.3#



#49
1,4-Dioxane
Concen: 2.021 ug/l
RT: 9.439 min Scan# 1266
Delta R.T. 0.207 min
Lab File: VY021384.D
Acq: 28 Feb 2025 16:41

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 215.8 34.8 52.2#
58 0.0 59.8 89.6#

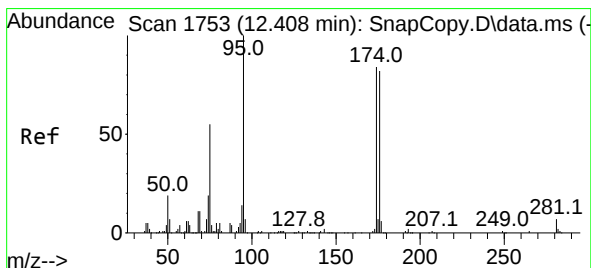
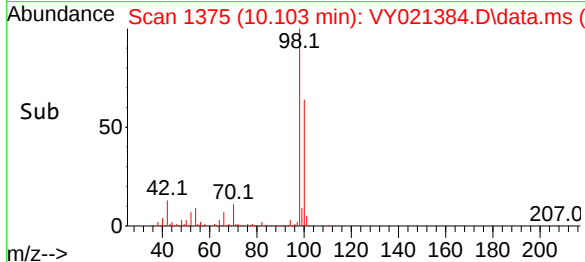
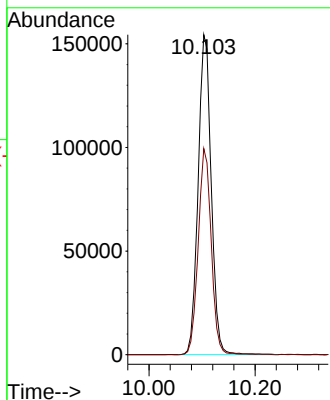
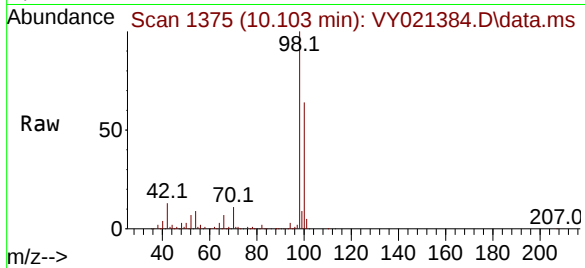




#50
Toluene-d8
Concen: 47.419 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021384.D
Acq: 28 Feb 2025 16:41

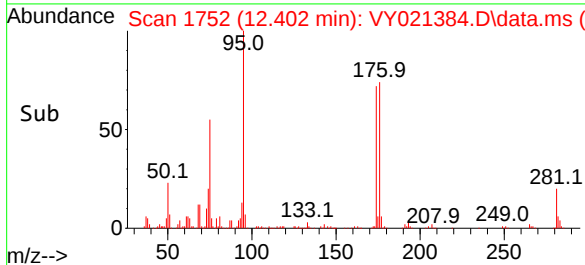
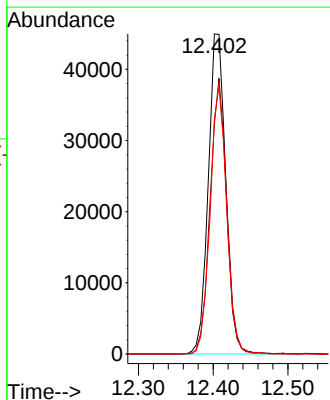
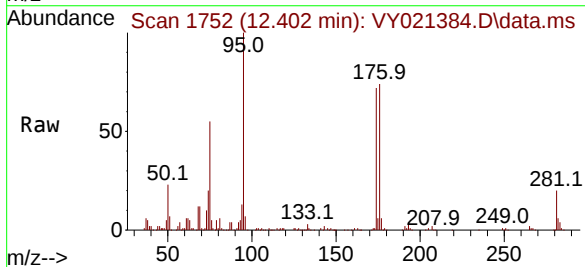
Instrument :
MSVOA_Y
ClientSampleId :
P2RE

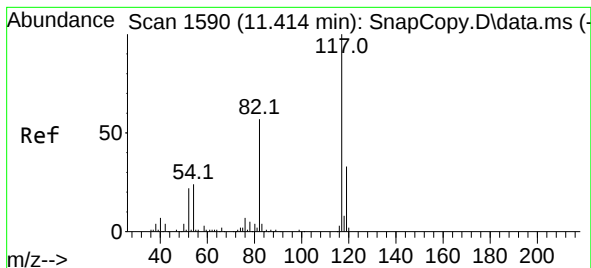
Tgt Ion: 98 Resp: 265235
Ion Ratio Lower Upper
98 100
100 64.1 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 38.704 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021384.D
Acq: 28 Feb 2025 16:41

Tgt Ion: 95 Resp: 72859
Ion Ratio Lower Upper
95 100
174 82.1 0.0 168.0
176 79.3 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021384.D

Acq: 28 Feb 2025 16:41

Instrument :

MSVOA_Y

ClientSampleId :

P2RE

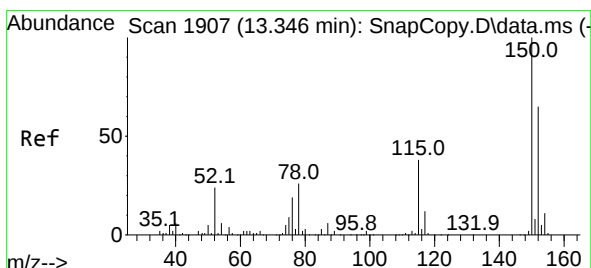
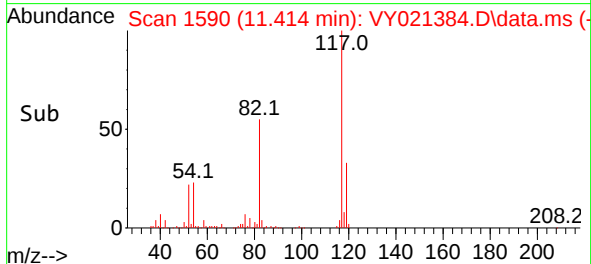
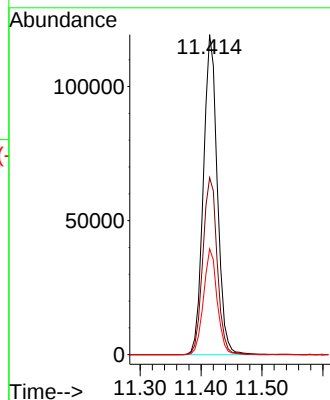
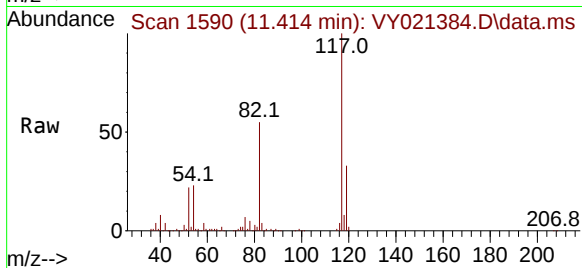
Tgt Ion:117 Resp: 190273

Ion Ratio Lower Upper

117 100

82 55.3 46.2 69.4

119 33.1 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021384.D

Acq: 28 Feb 2025 16:41

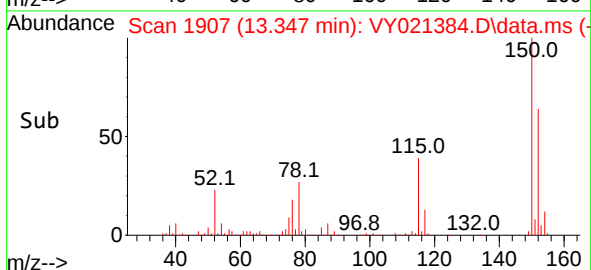
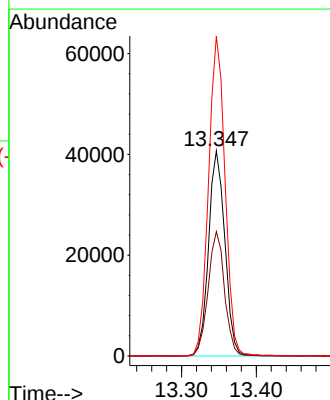
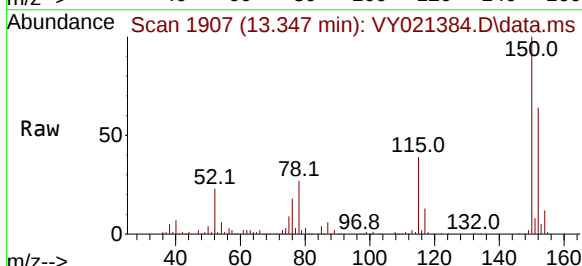
Tgt Ion:152 Resp: 61708

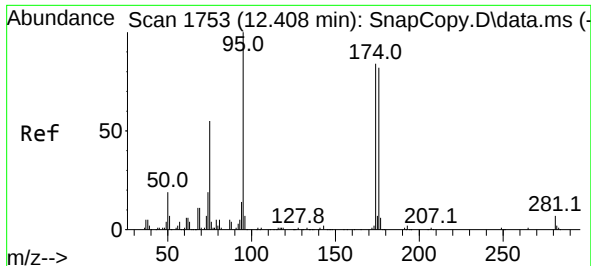
Ion Ratio Lower Upper

152 100

115 61.0 29.3 88.0

150 157.8 0.0 347.4

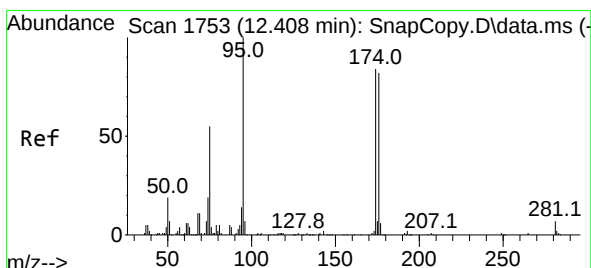
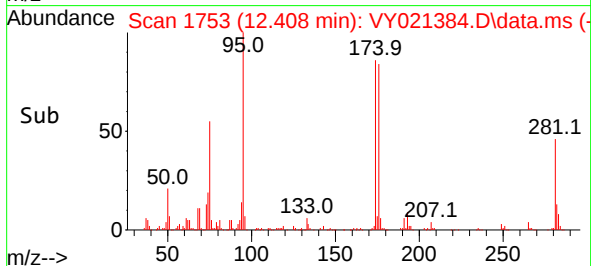
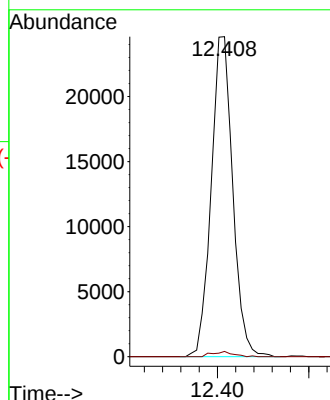
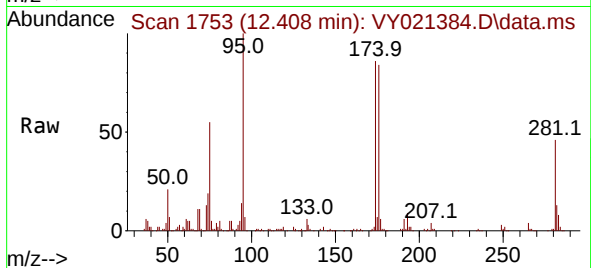




#76
1,2,3-Trichloropropane
Concen: 65.115 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021384.D
Acq: 28 Feb 2025 16:41

Instrument :
MSVOA_Y
ClientSampleId :
P2RE

Tgt Ion: 75 Resp: 40219
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 144.727 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021384.D
Acq: 28 Feb 2025 16:41

Tgt Ion: 75 Resp: 40219
Ion Ratio Lower Upper
75 100
53 0.2 79.1 118.7#
89 1.2 35.6 53.4#

