

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021433.D
 Acq On : 06 Mar 2025 14:39
 Operator : SY/MD
 Sample : Q1479-01
 Misc : 6.48g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P5

Quant Time: Mar 07 00:40:18 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	241090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	446604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	383601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	133949	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	155216	60.913	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.820%
35) Dibromofluoromethane	7.634	113	152381	51.908	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.820%
50) Toluene-d8	10.109	98	538113	48.413	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.820%
62) 4-Bromofluorobenzene	12.408	95	151896	40.175	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.340%

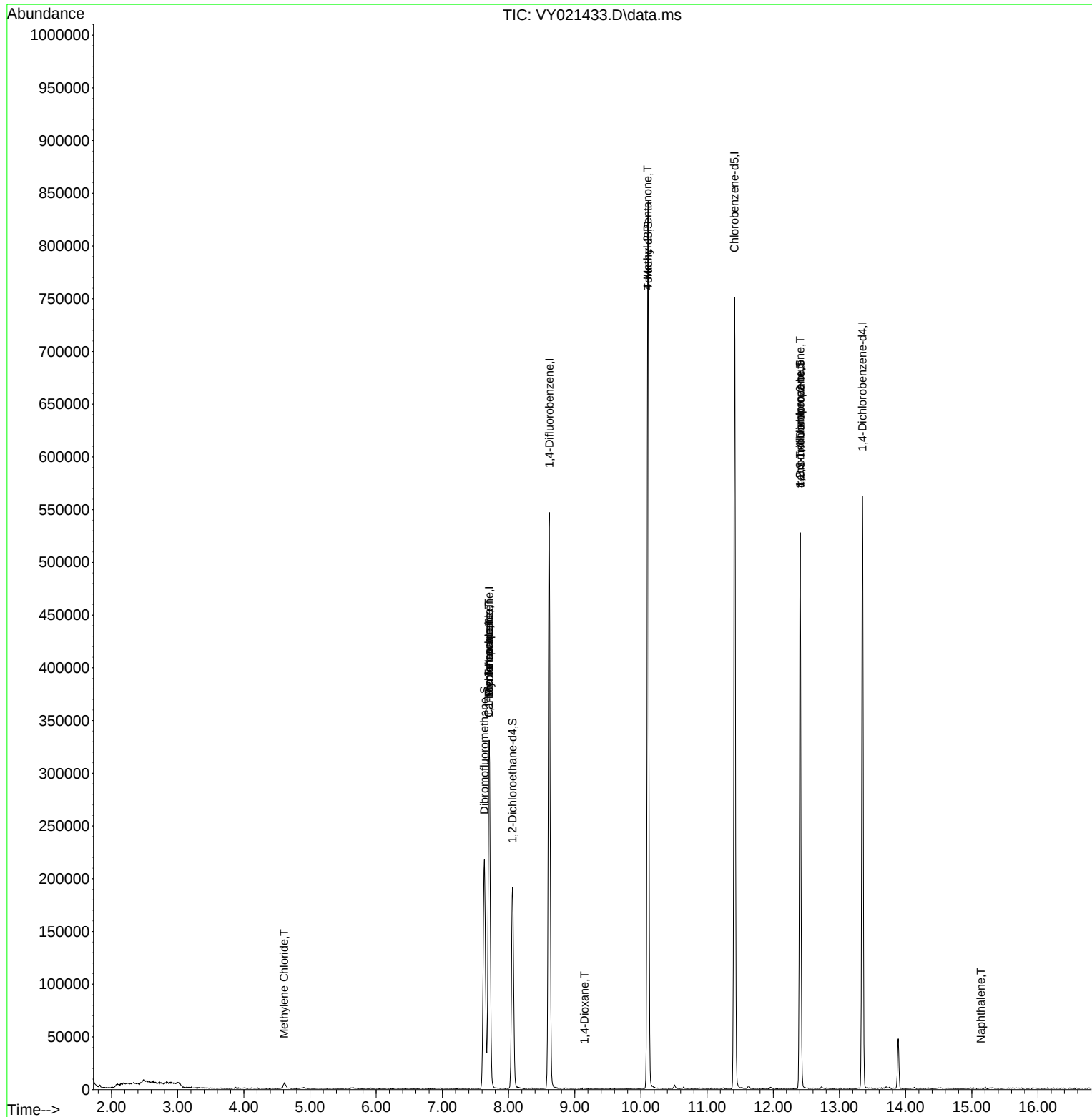
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.787	59	22	Below Cal	#	72
20) Methylene Chloride	4.610	84	3127	1.072	ug/l #	88
31) Cyclohexane	7.707	56	5597	1.173	ug/l #	18
36) 1,1-Dichloropropene	7.701	75	21534	4.686	ug/l #	50
38) Carbon Tetrachloride	7.701	117	25630	4.850	ug/l #	15
49) 1,4-Dioxane	9.146	88	20	1.137	ug/l #	31
51) 4-Methyl-2-Pentanone	10.103	43	2847	1.400	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	82777	61.326	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	82777	139.414	ug/l #	9
95) Naphthalene	15.139	128	397	1.558	ug/l #	77

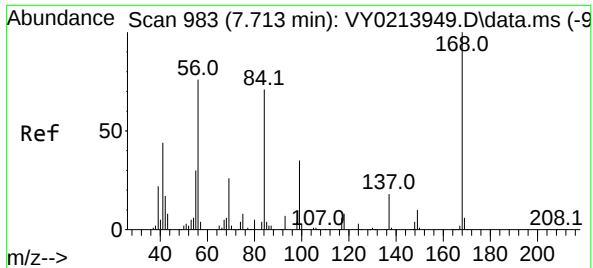
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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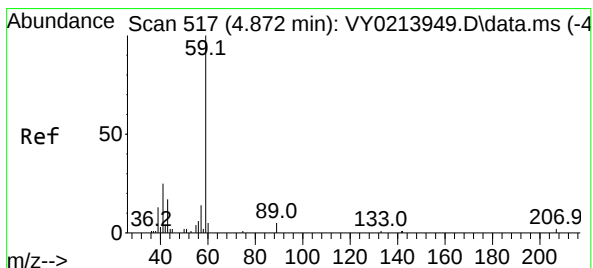
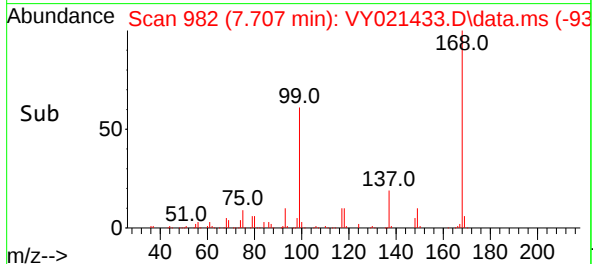
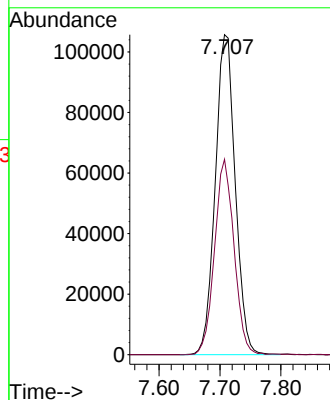
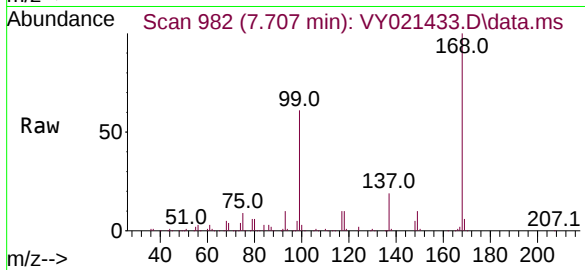




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021433.D
Acq: 06 Mar 2025 14:39

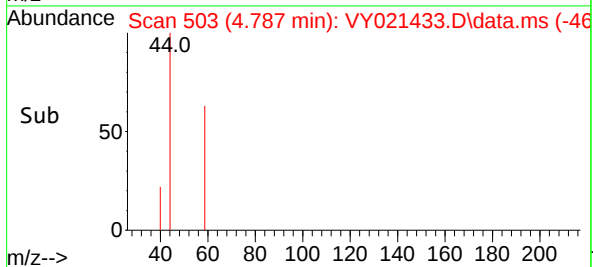
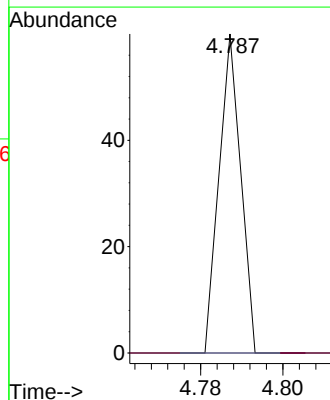
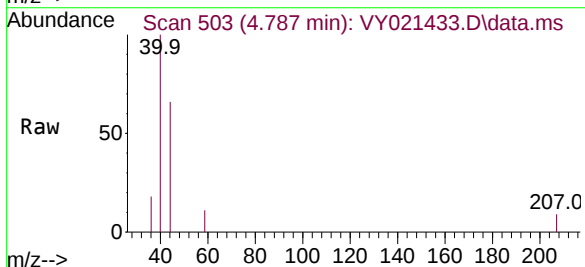
Instrument :
MSVOA_Y
ClientSampleId :
P5

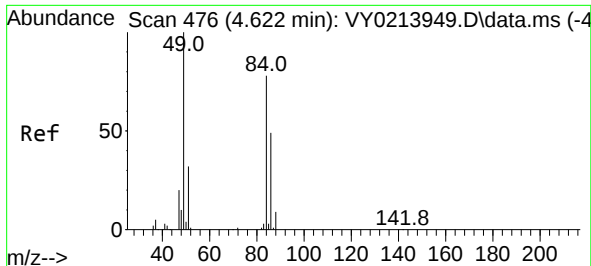
Tgt Ion:168 Resp: 241090
Ion Ratio Lower Upper
168 100
99 61.1 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.787 min Scan# 503
Delta R.T. -0.085 min
Lab File: VY021433.D
Acq: 06 Mar 2025 14:39

Tgt Ion: 59 Resp: 22
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

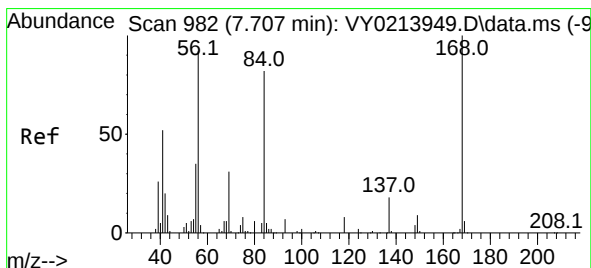
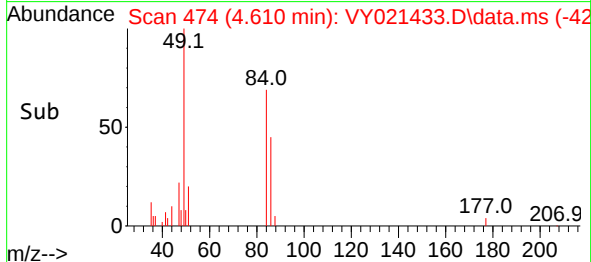
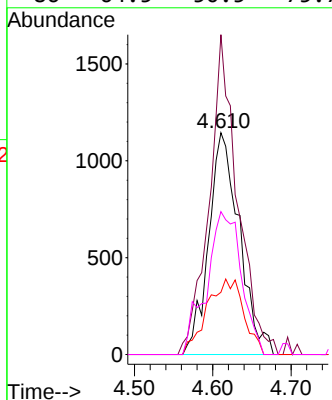
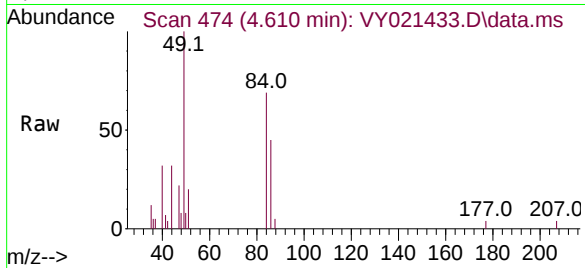




#20
Methylene Chloride
Concen: 1.072 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY021433.D
Acq: 06 Mar 2025 14:39

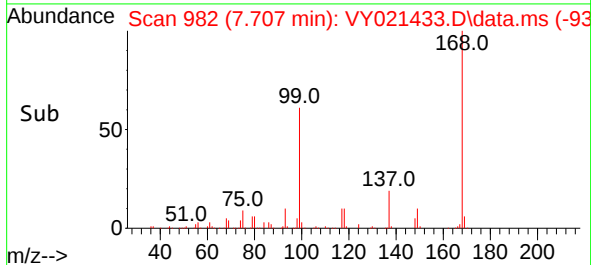
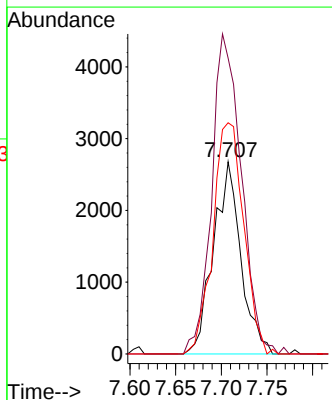
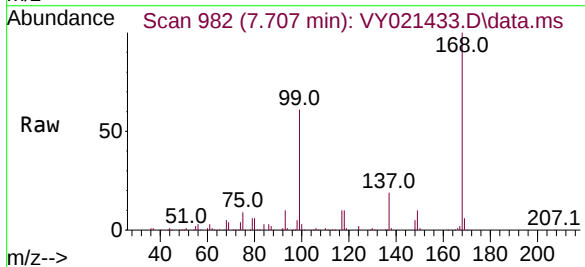
Instrument :
MSVOA_Y
ClientSampleId :
P5

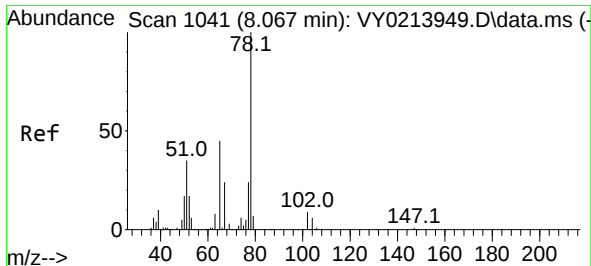
Tgt Ion:	84	Resp:	3127
Ion	Ratio	Lower	Upper
84	100		
49	144.2	102.0	153.0
51	28.1	33.0	49.6#
86	64.5	50.5	75.7



#31
Cyclohexane
Concen: 1.173 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021433.D
Acq: 06 Mar 2025 14:39

Tgt Ion:	56	Resp:	5597
Ion	Ratio	Lower	Upper
56	100		
69	153.9	27.0	40.4#
84	120.3	71.1	106.7#





#33

1,2-Dichloroethane-d4

Concen: 60.913 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021433.D

Acq: 06 Mar 2025 14:39

Instrument :

MSVOA_Y

ClientSampleId :

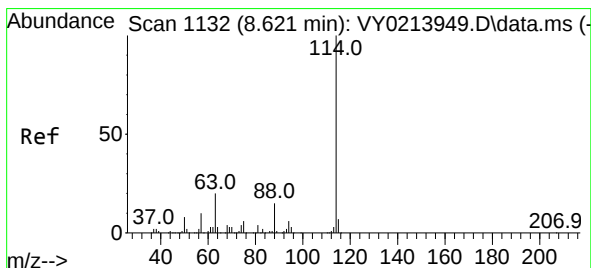
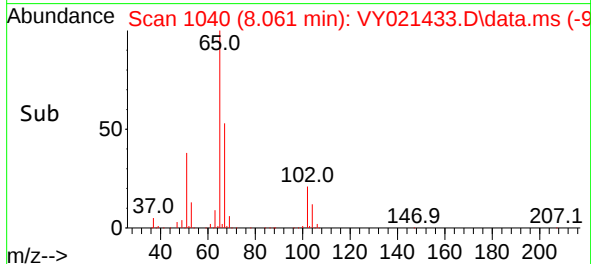
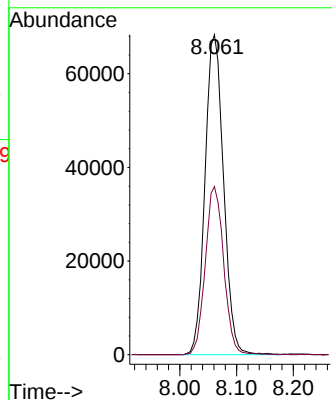
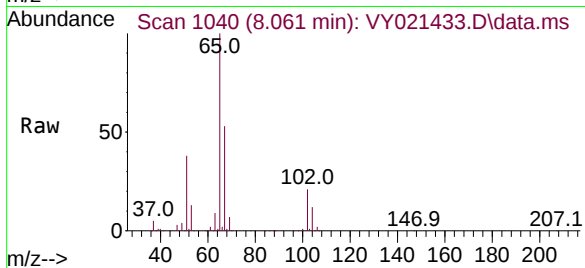
P5

Tgt Ion: 65 Resp: 155216

Ion Ratio Lower Upper

65 100

67 52.3 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: VY021433.D

Acq: 06 Mar 2025 14:39

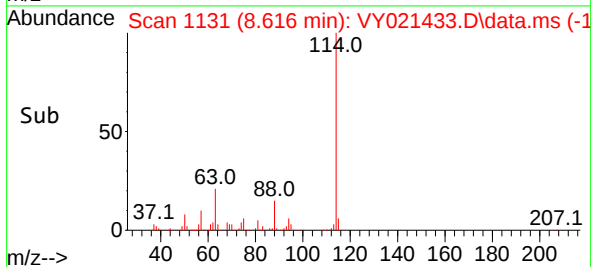
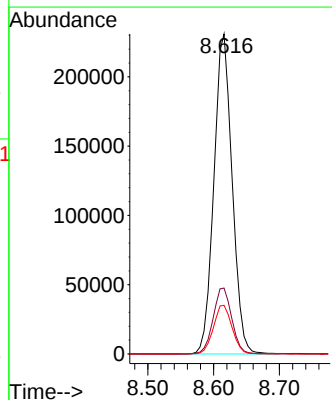
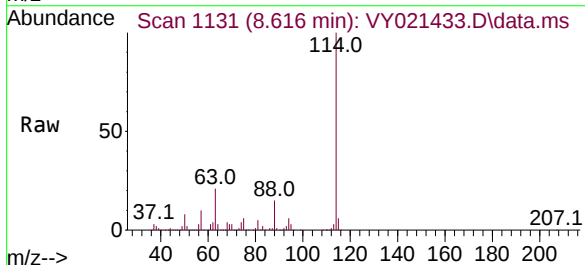
Tgt Ion: 114 Resp: 446604

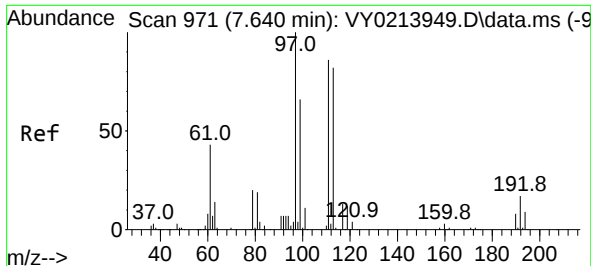
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 15.2 0.0 30.8





#35

Dibromofluoromethane

Concen: 51.908 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021433.D

Acq: 06 Mar 2025 14:39

Instrument :

MSVOA_Y

ClientSampleId :

P5

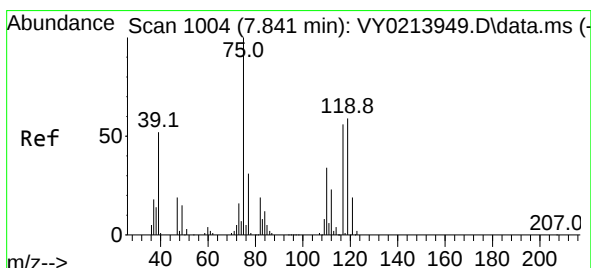
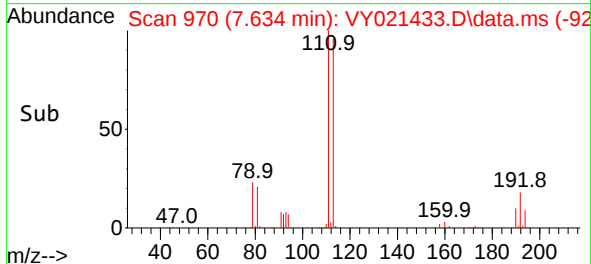
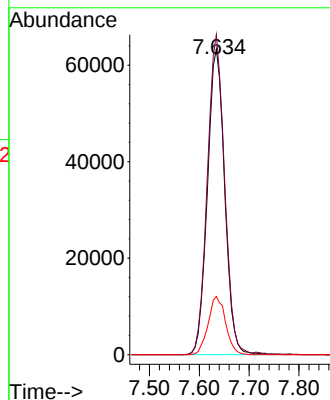
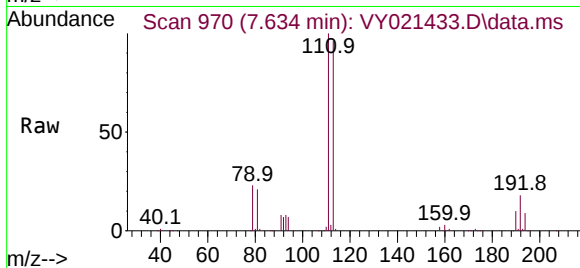
Tgt Ion:113 Resp: 152381

Ion Ratio Lower Upper

113 100

111 104.7 82.0 123.0

192 19.3 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.686 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY021433.D

Acq: 06 Mar 2025 14:39

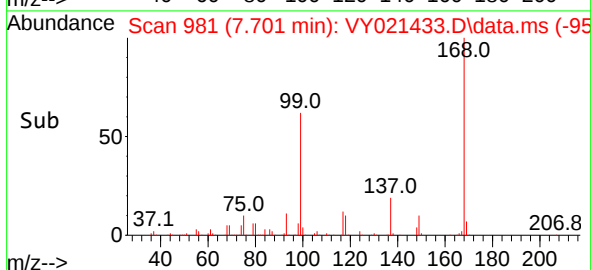
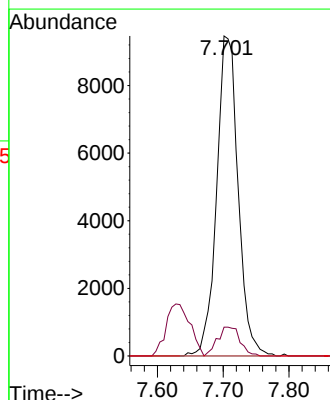
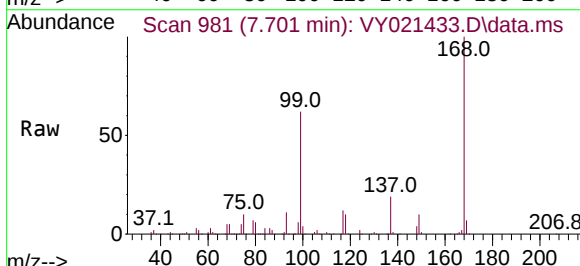
Tgt Ion: 75 Resp: 21534

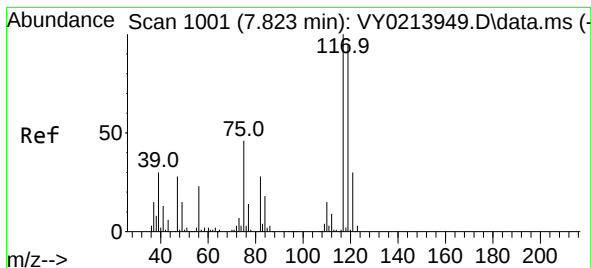
Ion Ratio Lower Upper

75 100

110 9.5 17.3 51.7#

77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 4.850 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.121 min

Lab File: VY021433.D

Acq: 06 Mar 2025 14:39

Instrument :

MSVOA_Y

ClientSampleId :

P5

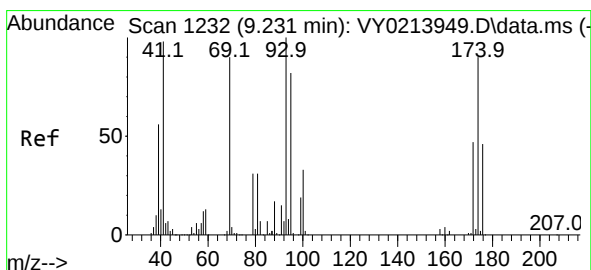
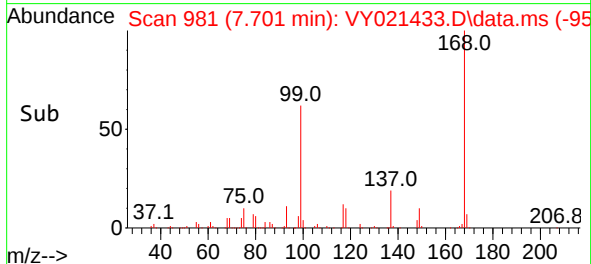
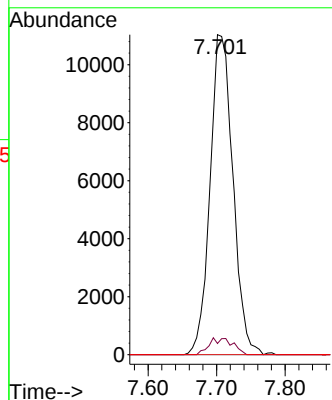
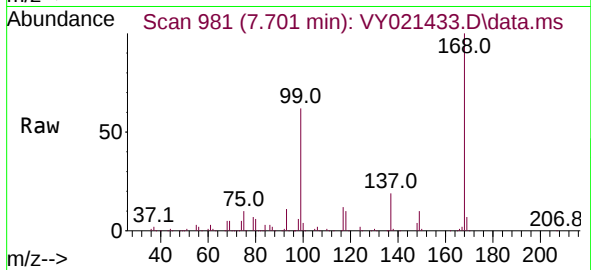
Tgt Ion:117 Resp: 25630

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: 1.137 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. -0.085 min

Lab File: VY021433.D

Acq: 06 Mar 2025 14:39

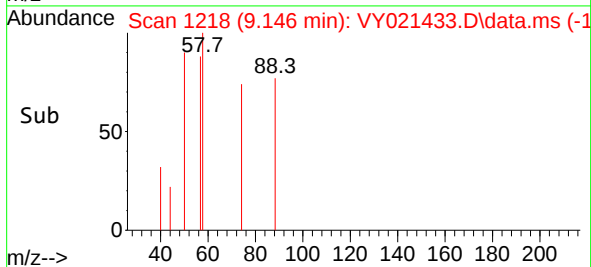
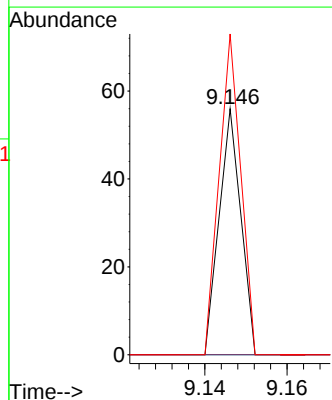
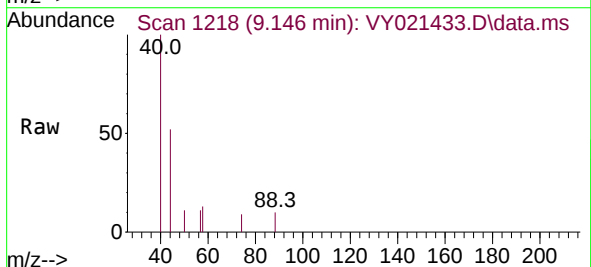
Tgt Ion: 88 Resp: 20

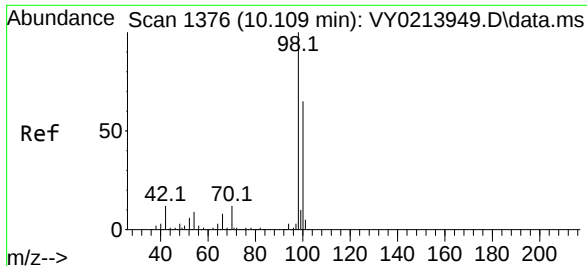
Ion Ratio Lower Upper

88 100

43 0.0 25.0 37.4#

58 135.0 58.4 87.6#

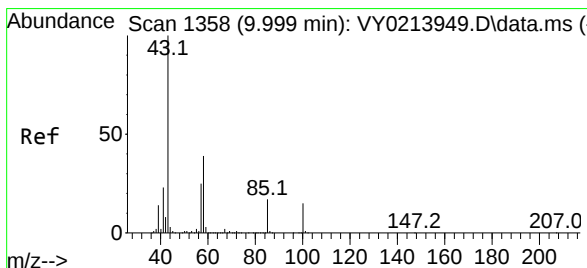
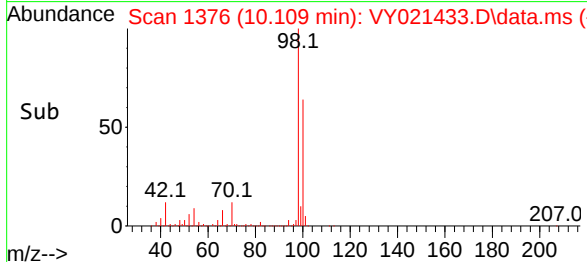
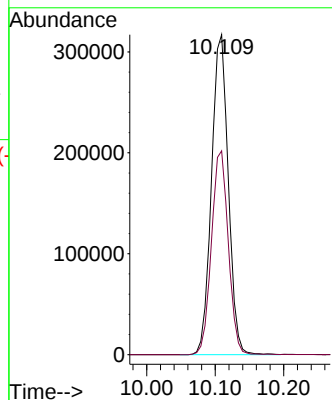
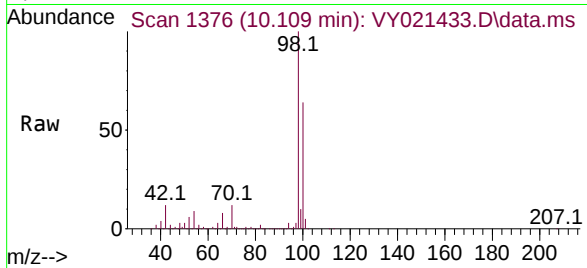




#50
Toluene-d8
Concen: 48.413 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021433.D
Acq: 06 Mar 2025 14:39

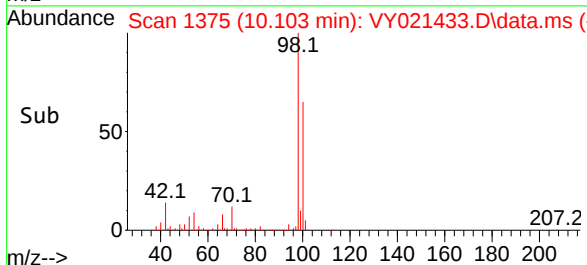
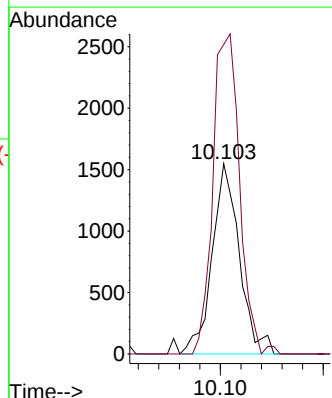
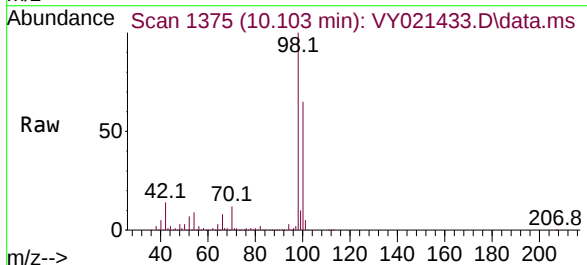
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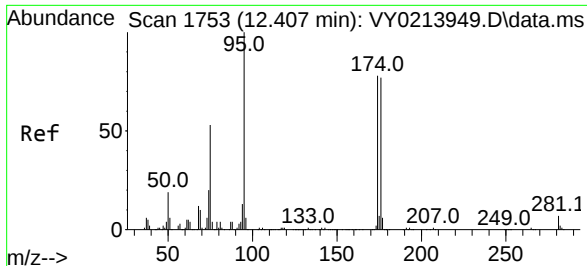
Tgt Ion: 98 Resp: 538113
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.400 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY021433.D
Acq: 06 Mar 2025 14:39

Tgt Ion: 43 Resp: 2847
Ion Ratio Lower Upper
43 100
58 164.9 31.4 47.2#

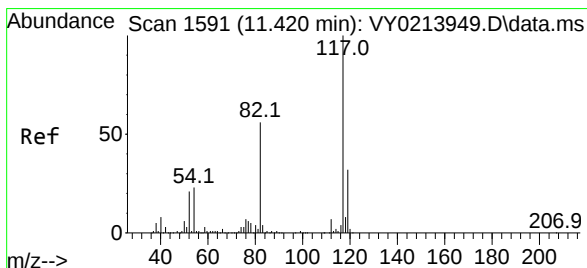
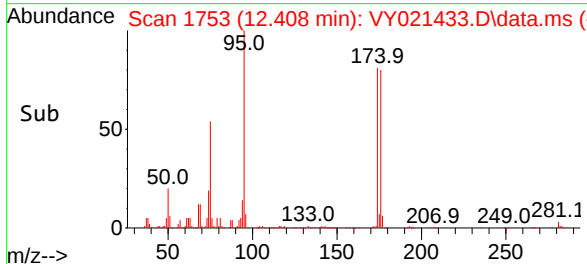
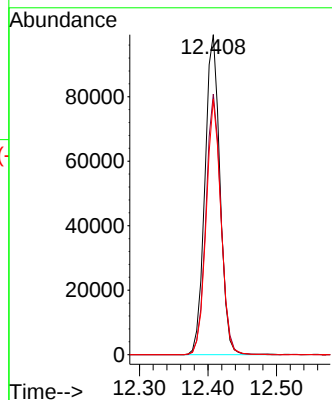
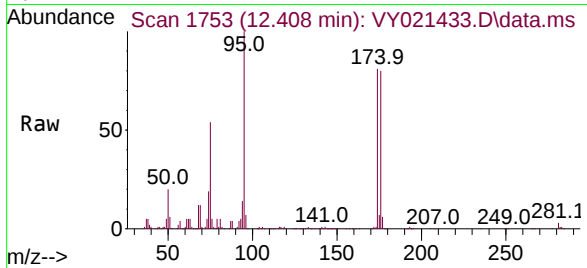




#62
4-Bromofluorobenzene
Concen: 40.175 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021433.D
Acq: 06 Mar 2025 14:39

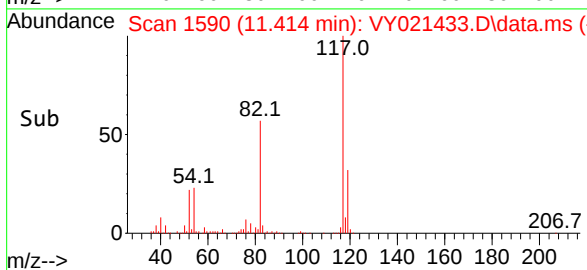
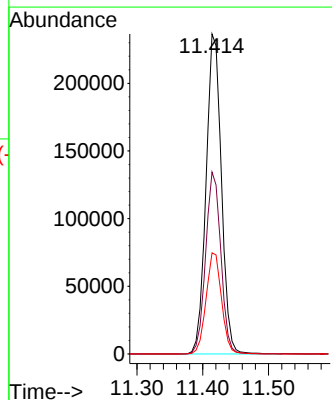
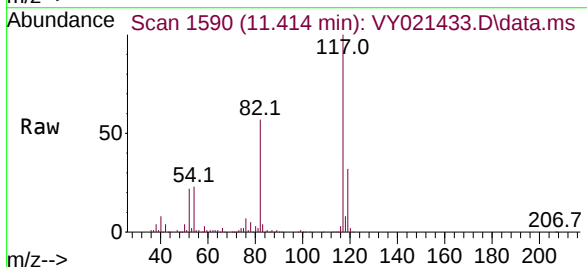
Instrument :
MSVOA_Y
ClientSampleId :
P5

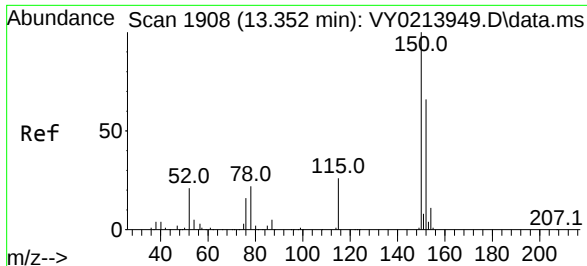
Tgt Ion: 95 Resp: 151896
Ion Ratio Lower Upper
95 100
174 81.1 0.0 165.0
176 78.2 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021433.D
Acq: 06 Mar 2025 14:39

Tgt Ion: 117 Resp: 383601
Ion Ratio Lower Upper
117 100
82 56.8 44.6 67.0
119 31.6 25.4 38.0

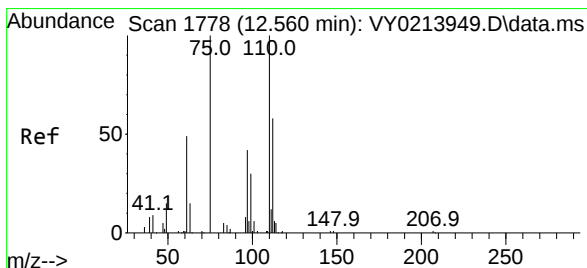
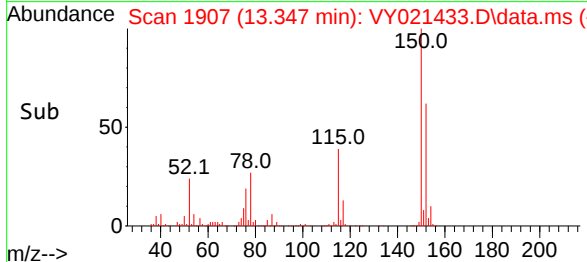
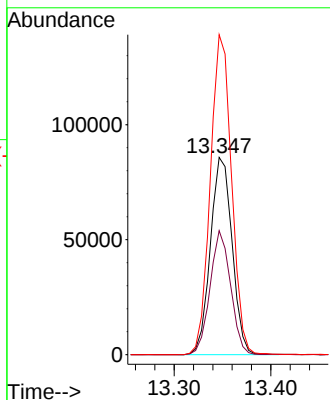
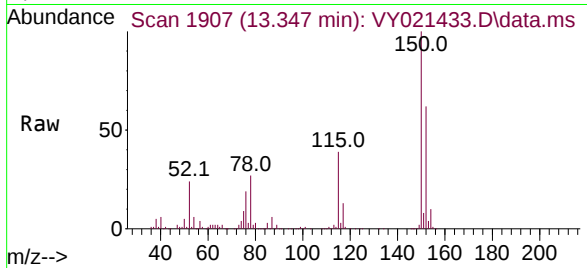




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 133949
 Delta R.T. -0.006 min
 Lab File: VY021433.D
 Acq: 06 Mar 2025 14:39

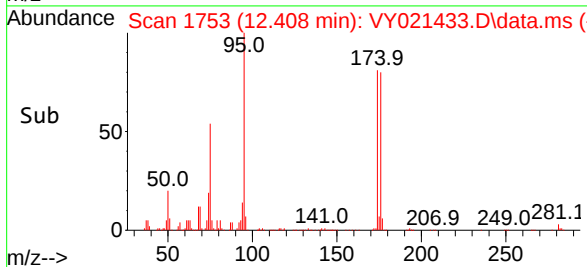
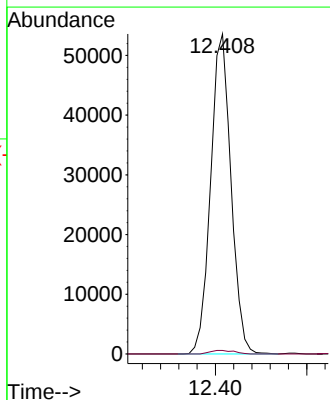
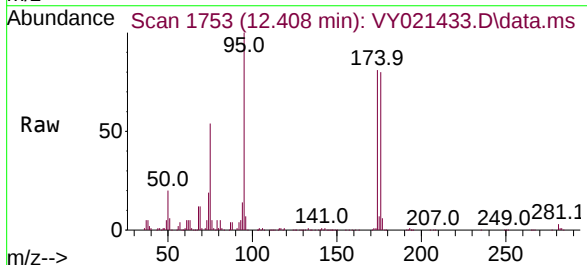
Instrument :
 MSVOA_Y
 ClientSampleId :
 P5

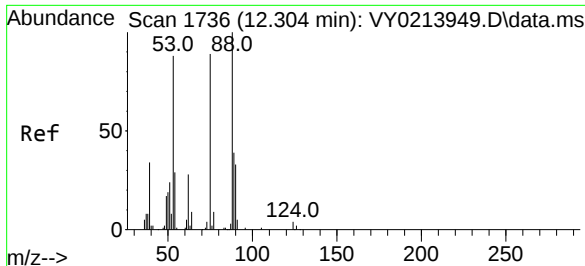
Tgt Ion:152 Resp: 133949
 Ion Ratio Lower Upper
 152 100
 115 59.4 29.0 87.0
 150 158.4 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 61.326 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021433.D
 Acq: 06 Mar 2025 14:39

Tgt Ion: 75 Resp: 82777
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

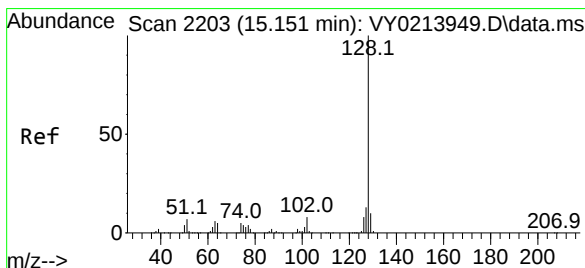
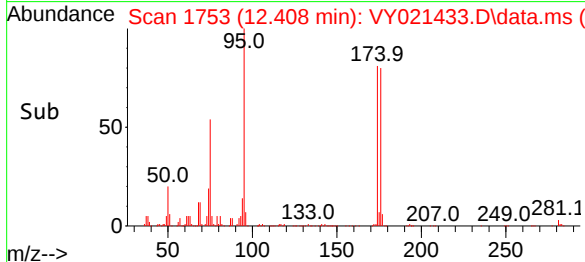
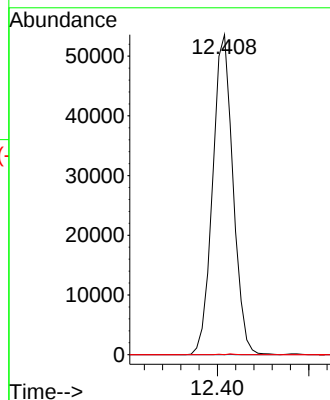
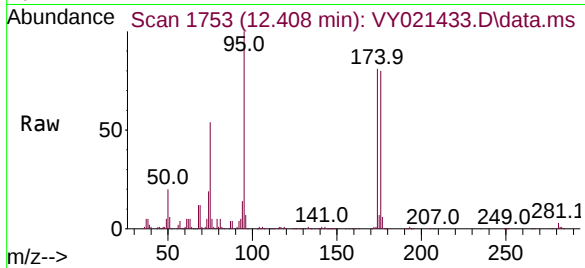




#81
trans-1,4-Dichloro-2-butene
Concen: 139.414 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021433.D
Acq: 06 Mar 2025 14:39

Instrument :
MSVOA_Y
ClientSampleId :
P5

Tgt Ion: 75 Resp: 82777
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.4#
89 0.1 36.9 55.3#



#95
Naphthalene
Concen: 1.558 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.012 min
Lab File: VY021433.D
Acq: 06 Mar 2025 14:39

Tgt Ion:128 Resp: 397
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 6.8 8.6 13.0#

