

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021447.D
 Acq On : 06 Mar 2025 20:06
 Operator : SY/MD
 Sample : Q1463-09
 Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T9

Quant Time: Mar 07 00:43:06 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	211507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	387107	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	337914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	129134	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	136932	61.253	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.500%
35) Dibromofluoromethane	7.634	113	130951	51.464	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.920%
50) Toluene-d8	10.103	98	457447	47.481	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.960%
62) 4-Bromofluorobenzene	12.408	95	137652	42.003	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.000%

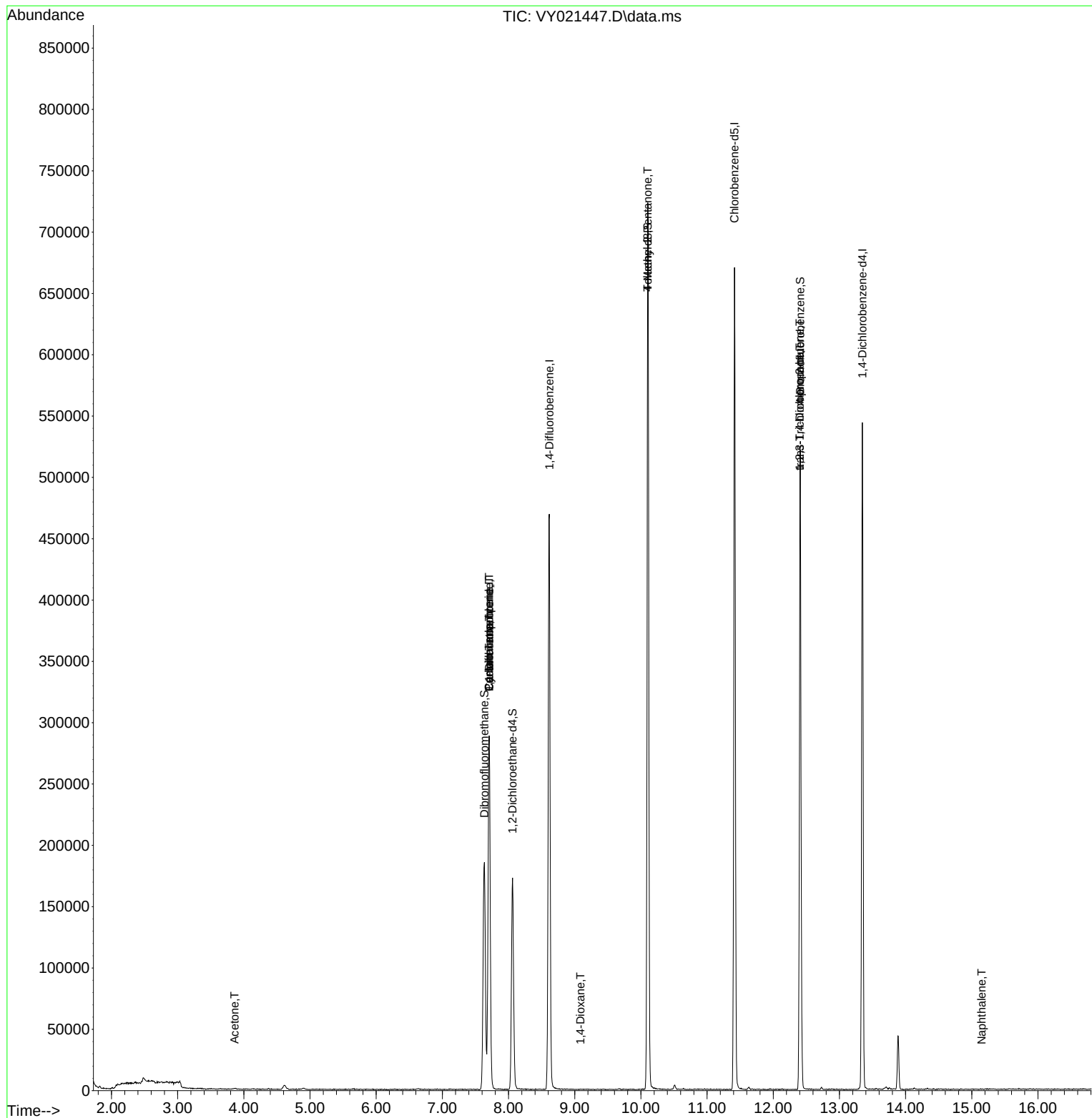
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.860	59	172	Below Cal	#	72
16) Acetone	3.860	43	940	1.928	ug/l #	88
31) Cyclohexane	7.707	56	5059	1.208	ug/l #	10
36) 1,1-Dichloropropene	7.707	75	18384	4.616	ug/l #	50
38) Carbon Tetrachloride	7.707	117	22614	4.937	ug/l #	16
49) 1,4-Dioxane	9.085	88	44	2.885	ug/l #	22
51) 4-Methyl-2-Pentanone	10.103	43	2600	1.475	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	76706	58.947	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	76706	134.006	ug/l #	9
95) Naphthalene	15.151	128	243	1.518	ug/l #	69

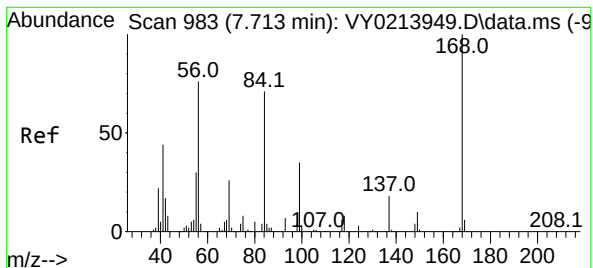
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY021447.D

Acq: 06 Mar 2025 20:06

Instrument :

MSVOA_Y

ClientSampleId :

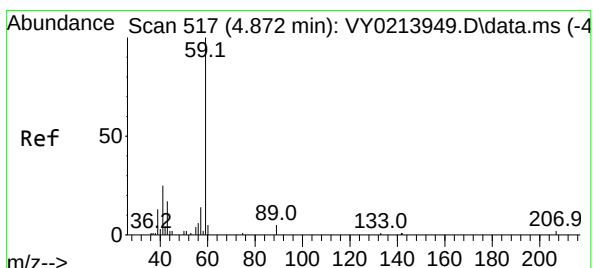
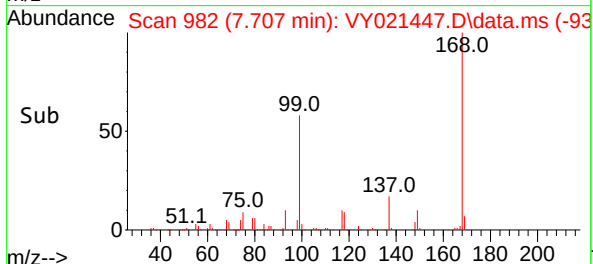
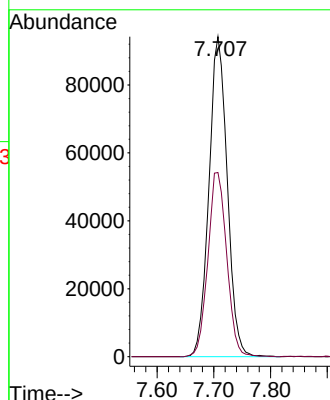
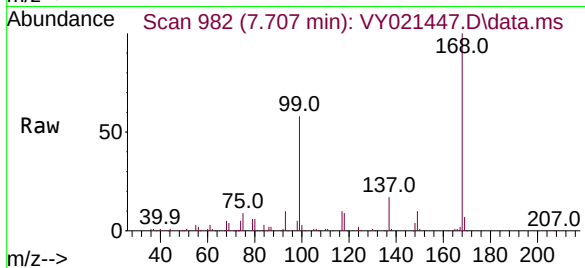
T9

Tgt Ion:168 Resp: 211507

Ion Ratio Lower Upper

168 100

99 57.5 46.0 69.0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.860 min Scan# 515

Delta R.T. -0.012 min

Lab File: VY021447.D

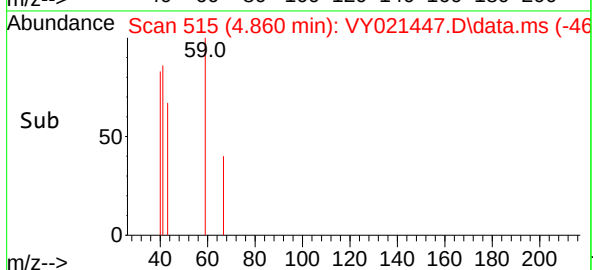
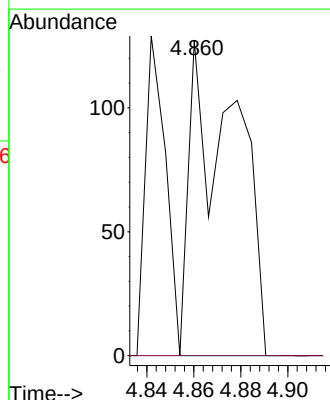
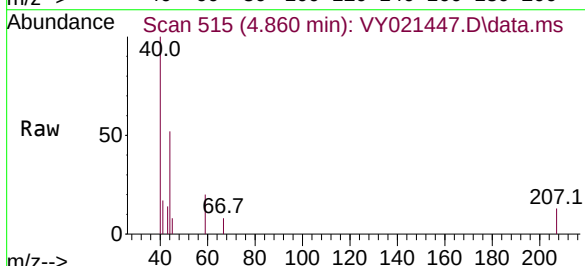
Acq: 06 Mar 2025 20:06

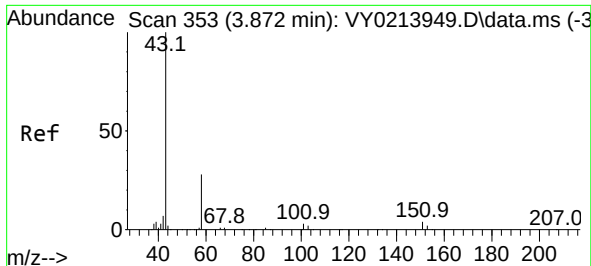
Tgt Ion: 59 Resp: 172

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

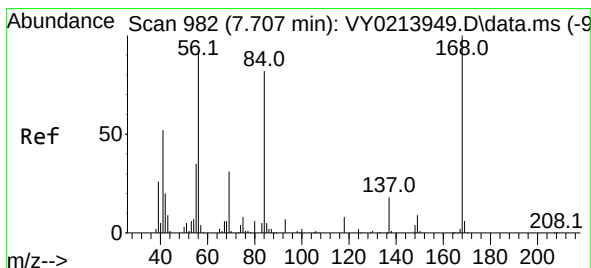
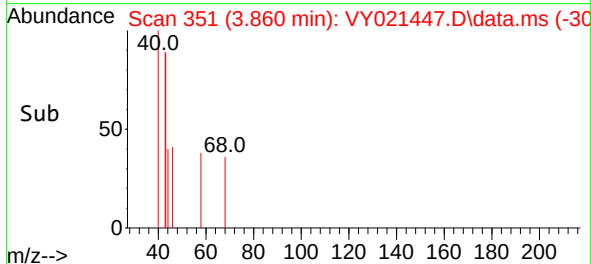
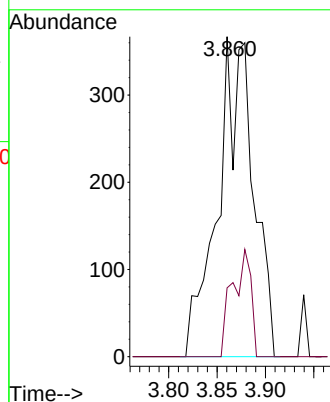
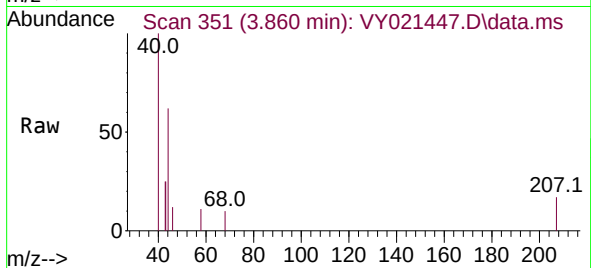




#16
Acetone
Concen: 1.928 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY021447.D
Acq: 06 Mar 2025 20:06

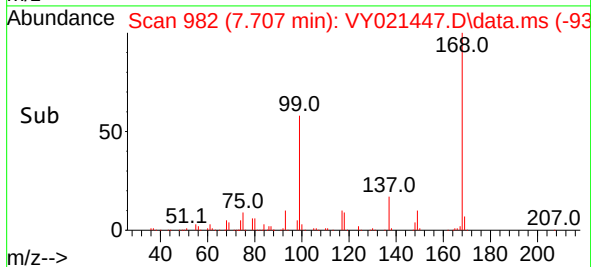
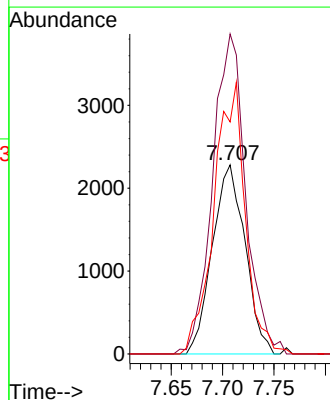
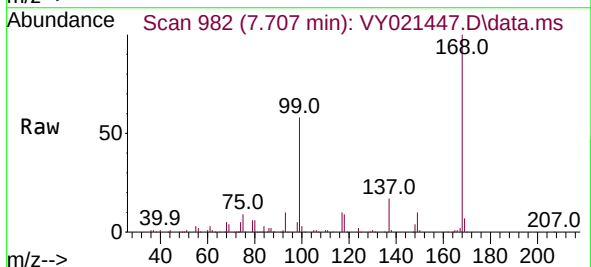
Instrument :
MSVOA_Y
ClientSampleId :
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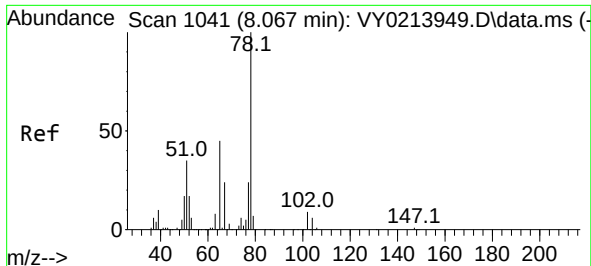
Tgt Ion: 43 Resp: 940
Ion Ratio Lower Upper
43 100
58 21.5 22.1 33.1#



#31
Cyclohexane
Concen: 1.208 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021447.D
Acq: 06 Mar 2025 20:06

Tgt Ion: 56 Resp: 5059
Ion Ratio Lower Upper
56 100
69 166.7 27.0 40.4#
84 122.7 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 61.253 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021447.D

Acq: 06 Mar 2025 20:06

Instrument :

MSVOA_Y

ClientSampleId :

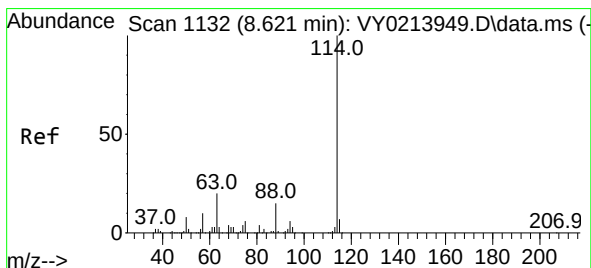
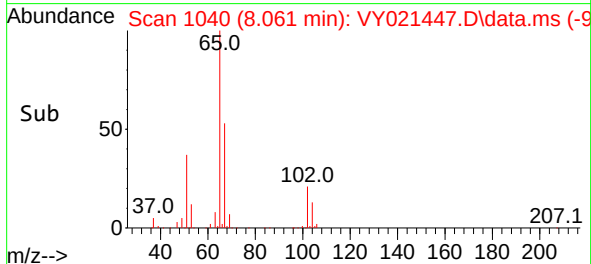
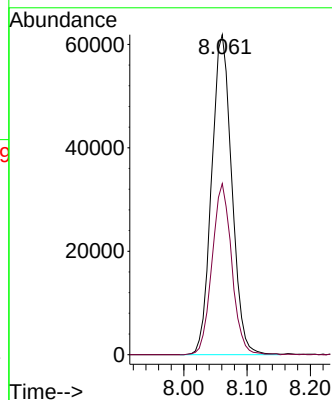
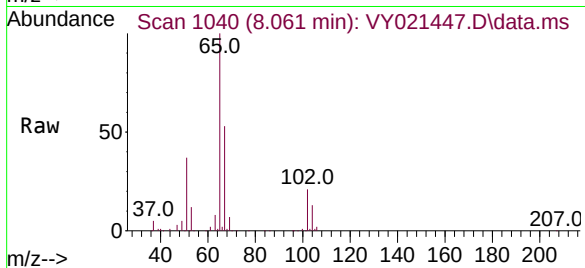
T9

Tgt Ion: 65 Resp: 136932

Ion Ratio Lower Upper

65 100

67 52.1 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: VY021447.D

Acq: 06 Mar 2025 20:06

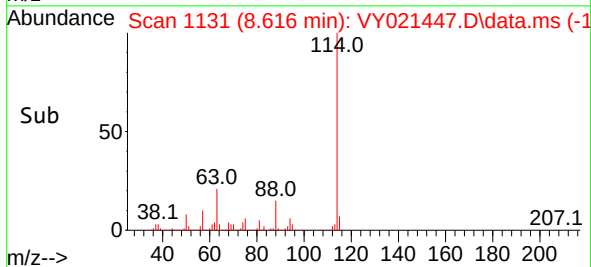
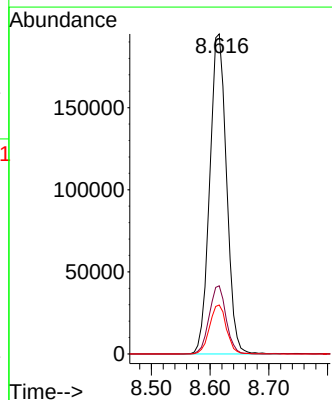
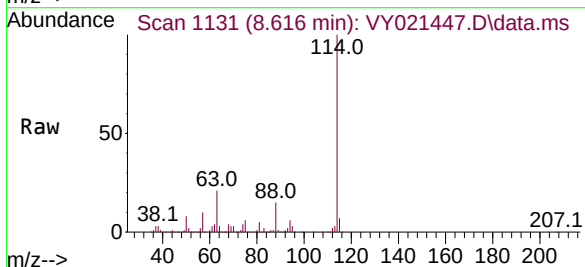
Tgt Ion: 114 Resp: 387107

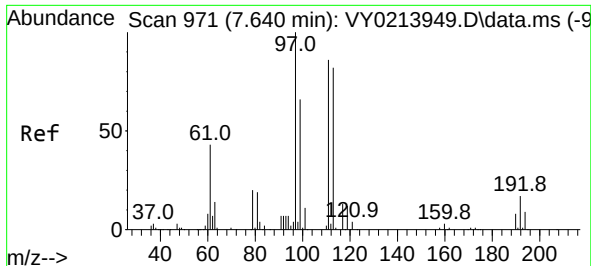
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

88 15.3 0.0 30.8





#35

Dibromofluoromethane

Concen: 51.464 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021447.D

Acq: 06 Mar 2025 20:06

Instrument :

MSVOA_Y

ClientSampleId :

T9

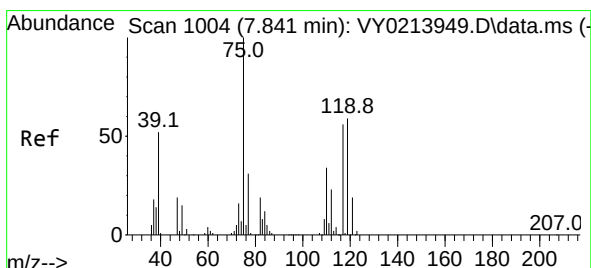
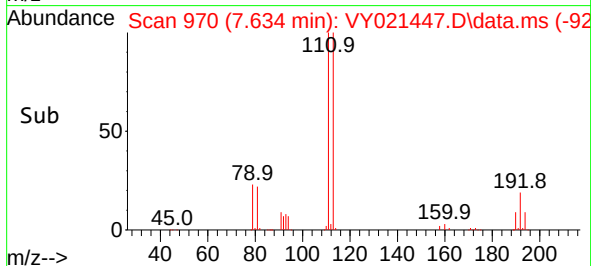
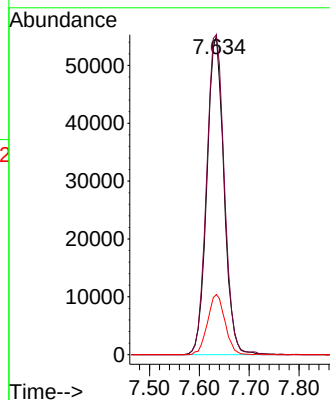
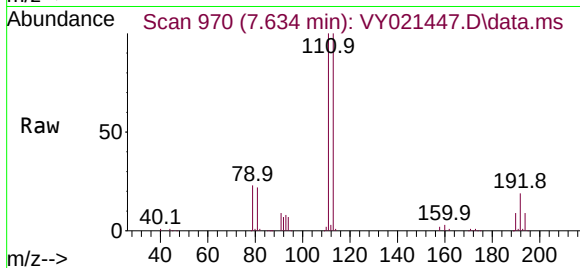
Tgt Ion:113 Resp: 130951

Ion Ratio Lower Upper

113 100

111 104.3 82.0 123.0

192 19.3 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.616 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021447.D

Acq: 06 Mar 2025 20:06

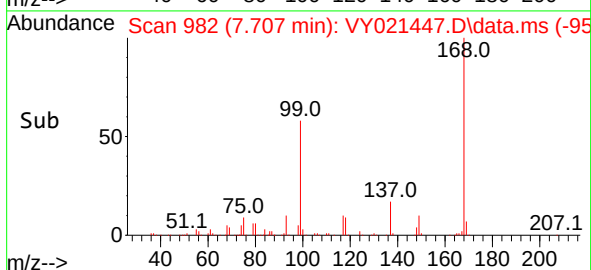
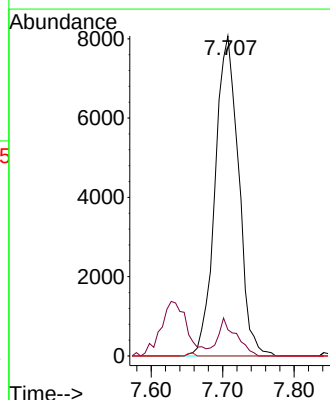
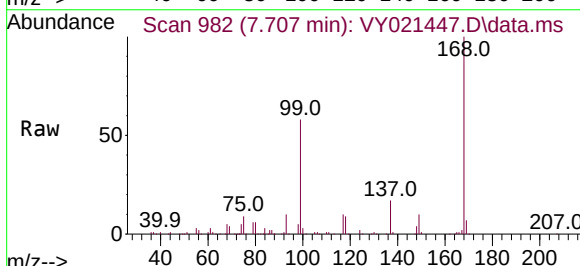
Tgt Ion: 75 Resp: 18384

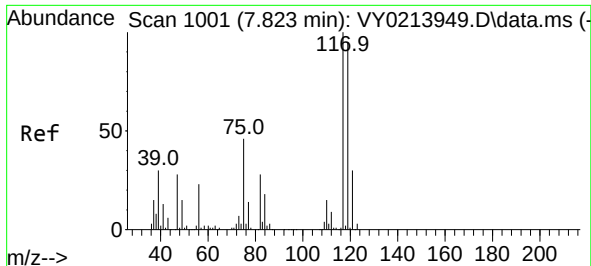
Ion Ratio Lower Upper

75 100

110 9.3 17.3 51.7#

77 0.0 25.4 38.2#

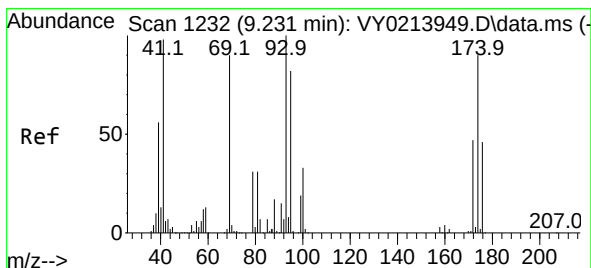
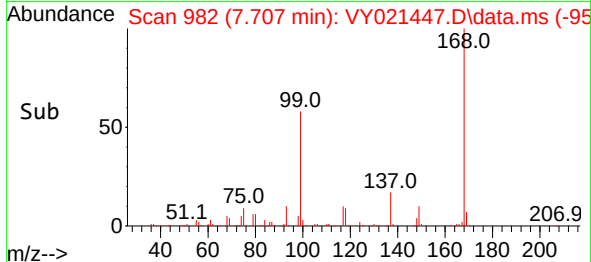
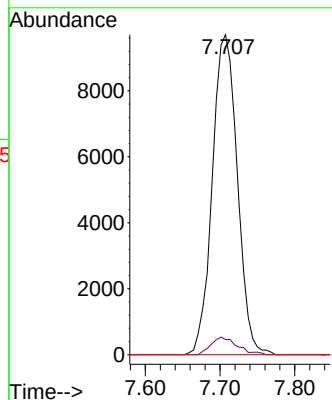
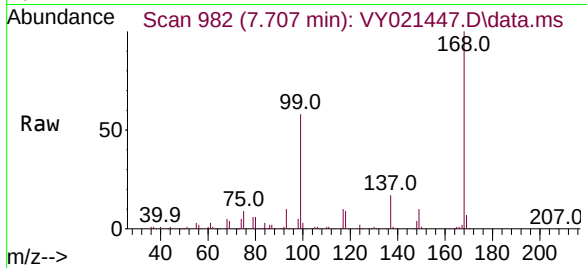




#38
Carbon Tetrachloride
Concen: 4.937 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021447.D
Acq: 06 Mar 2025 20:06

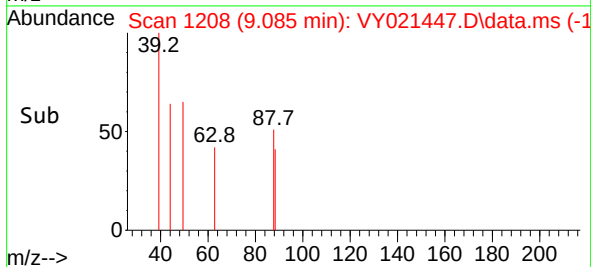
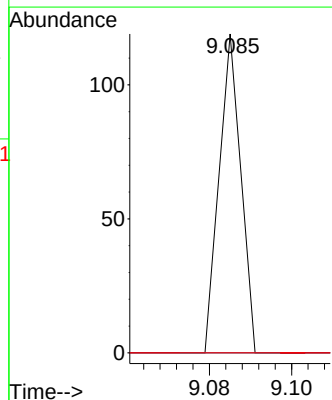
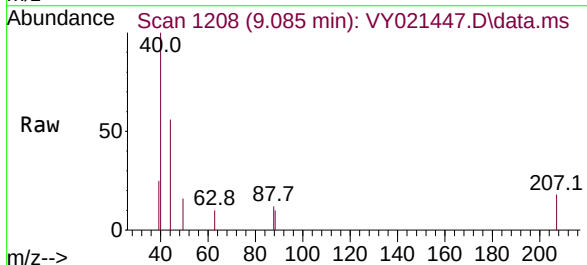
Instrument :
MSVOA_Y
ClientSampleId :
T9

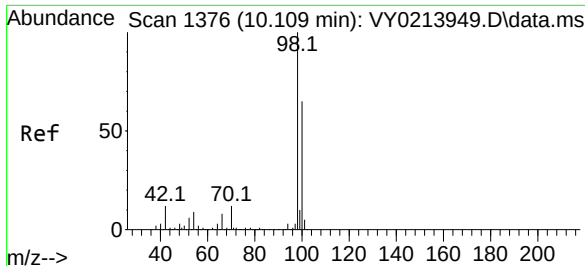
Tgt Ion:117 Resp: 22614
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.8#
121 0.0 23.9 35.9#



#49
1,4-Dioxane
Concen: 2.885 ug/l
RT: 9.085 min Scan# 1208
Delta R.T. -0.146 min
Lab File: VY021447.D
Acq: 06 Mar 2025 20:06

Tgt Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 0.0 25.0 37.4#
58 0.0 58.4 87.6#

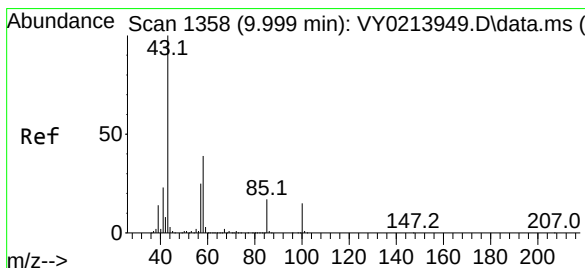
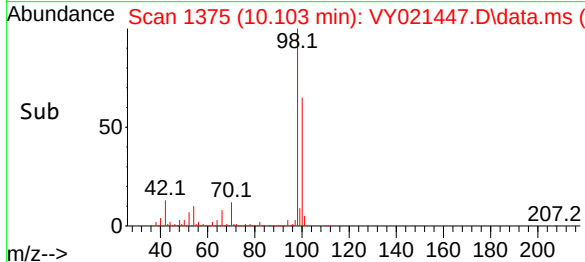
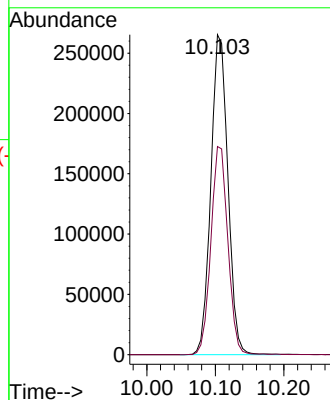
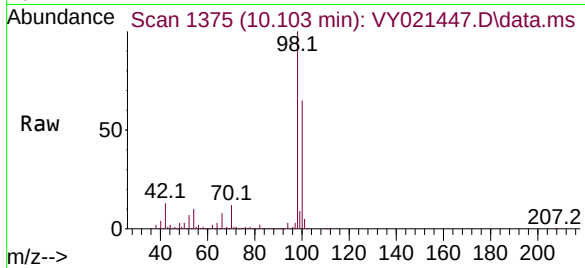




#50
Toluene-d8
Concen: 47.481 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021447.D
Acq: 06 Mar 2025 20:06

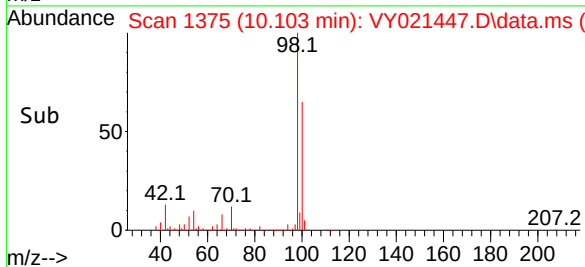
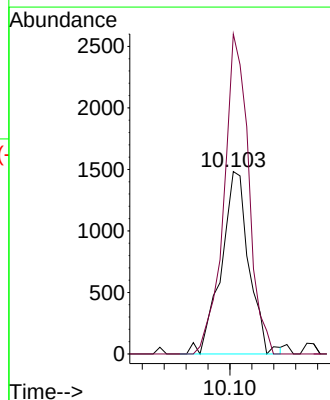
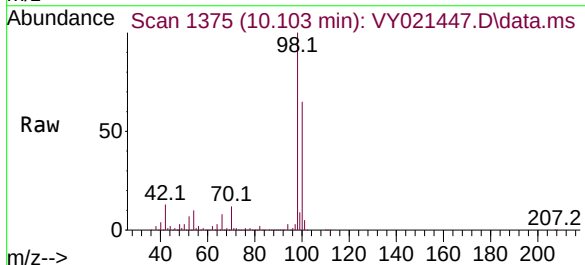
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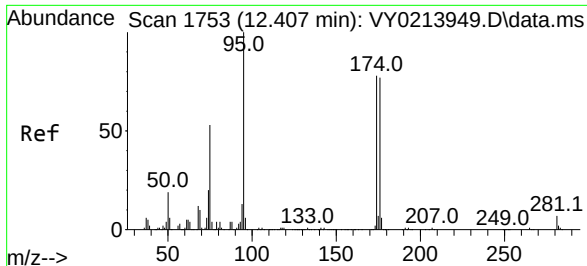
Tgt Ion: 98 Resp: 457447
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.475 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY021447.D
Acq: 06 Mar 2025 20:06

Tgt Ion: 43 Resp: 2600
Ion Ratio Lower Upper
43 100
58 156.7 31.4 47.2#

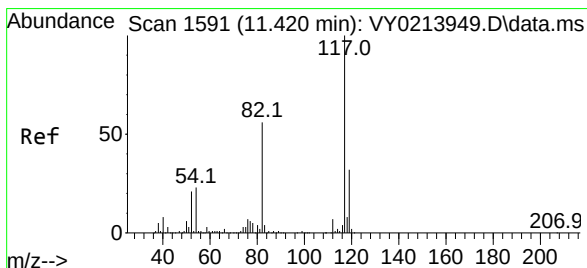
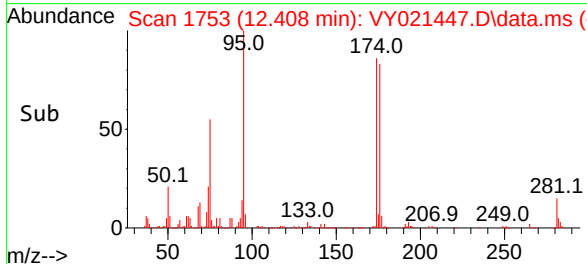
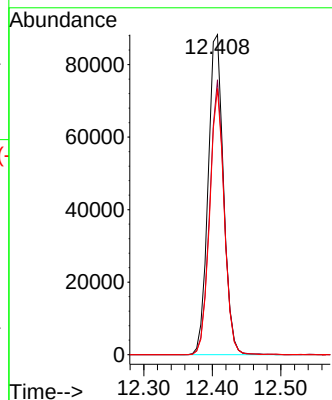
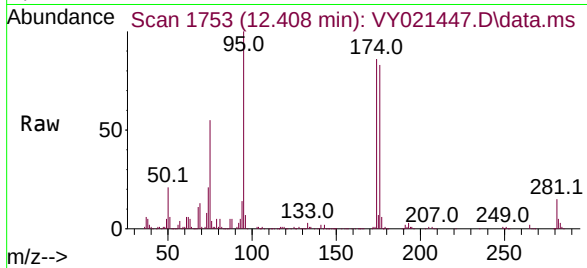




#62
4-Bromofluorobenzene
Concen: 42.003 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021447.D
Acq: 06 Mar 2025 20:06

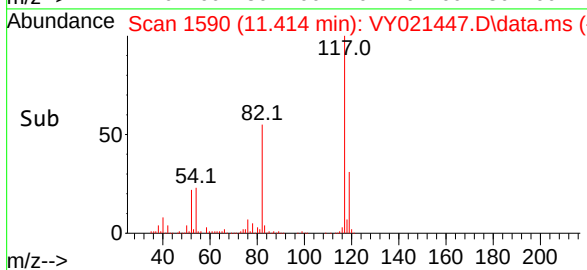
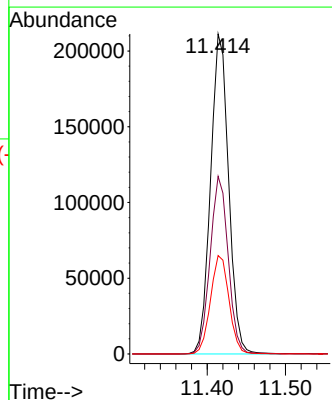
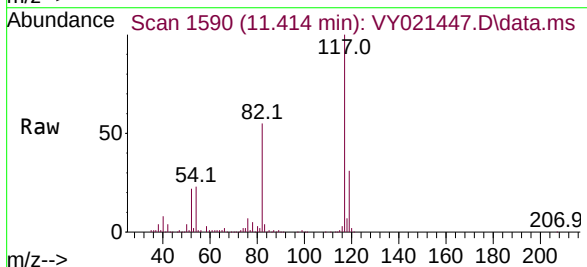
Instrument :
MSVOA_Y
ClientSampleId :
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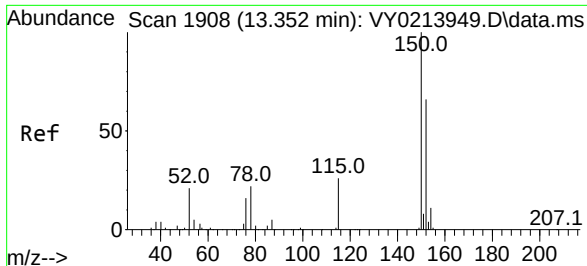
Tgt Ion: 95 Resp: 137652
Ion Ratio Lower Upper
95 100
174 81.4 0.0 165.0
176 78.8 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021447.D
Acq: 06 Mar 2025 20:06

Tgt Ion: 117 Resp: 337914
Ion Ratio Lower Upper
117 100
82 55.5 44.6 67.0
119 30.8 25.4 38.0

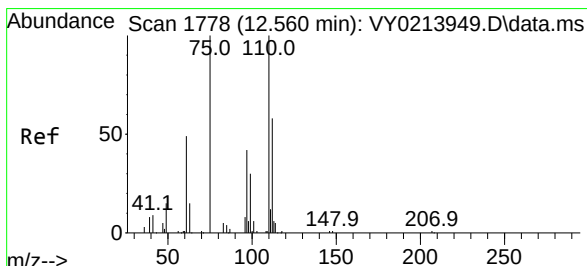
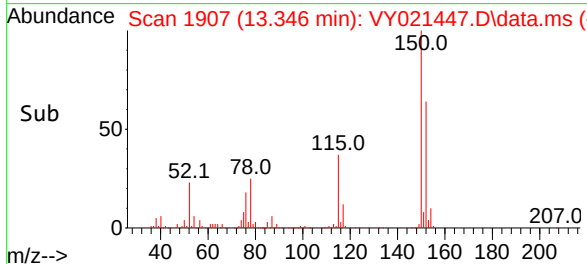
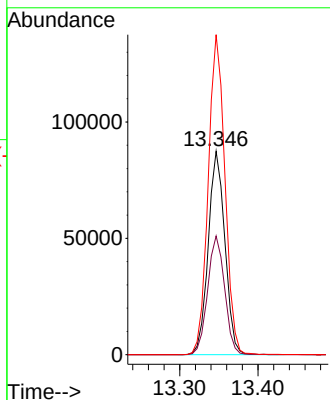
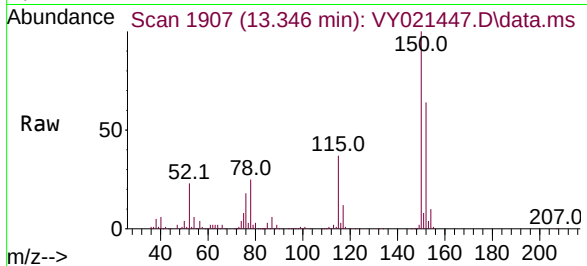




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021447.D
 Acq: 06 Mar 2025 20:06

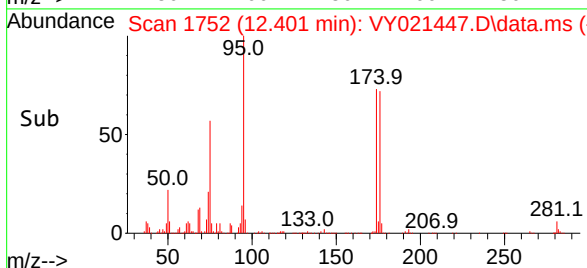
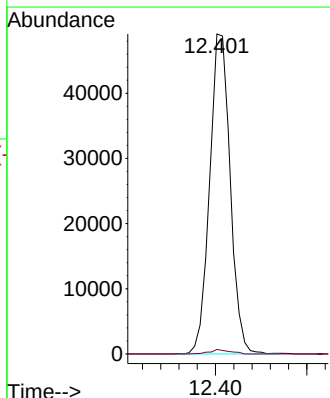
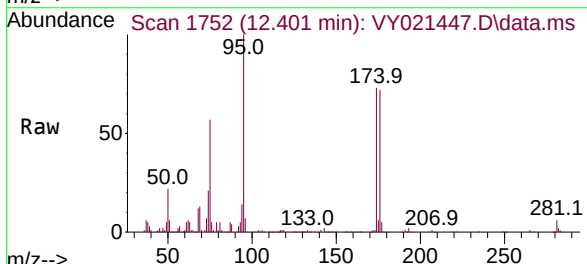
Instrument :
 MSVOA_Y
 ClientSampleId :
 T9

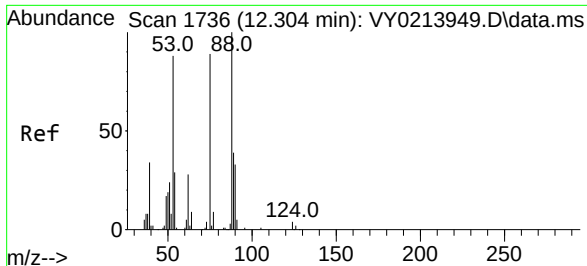
Tgt Ion:152 Resp: 129134
 Ion Ratio Lower Upper
 152 100
 115 59.4 29.0 87.0
 150 157.8 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 58.947 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.158 min
 Lab File: VY021447.D
 Acq: 06 Mar 2025 20:06

Tgt Ion: 75 Resp: 76706
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

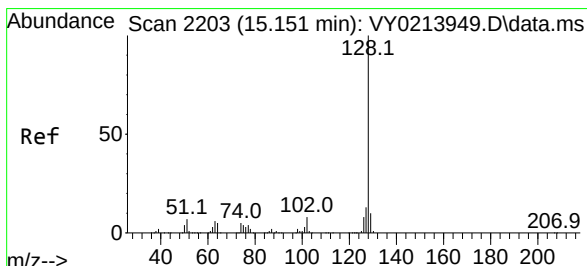
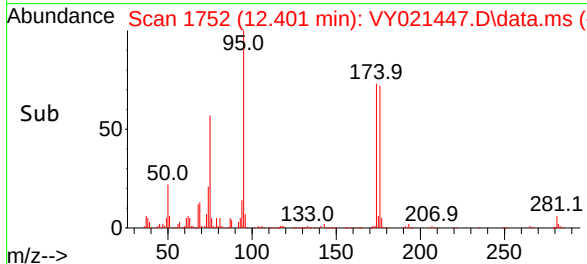
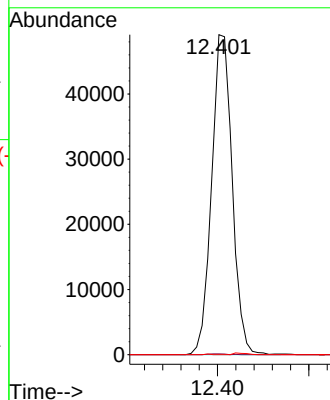
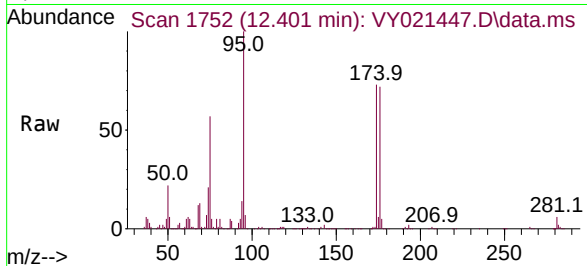




#81
trans-1,4-Dichloro-2-butene
Concen: 134.006 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY021447.D
Acq: 06 Mar 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
T9

Tgt Ion: 75 Resp: 76706
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.4#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 1.518 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. 0.000 min
Lab File: VY021447.D
Acq: 06 Mar 2025 20:06

Tgt Ion: 128 Resp: 243
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

