

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021443.D
 Acq On : 06 Mar 2025 18:33
 Operator : SY/MD
 Sample : Q1463-04
 Misc : 6.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T4

Quant Time: Mar 07 00:42:17 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)

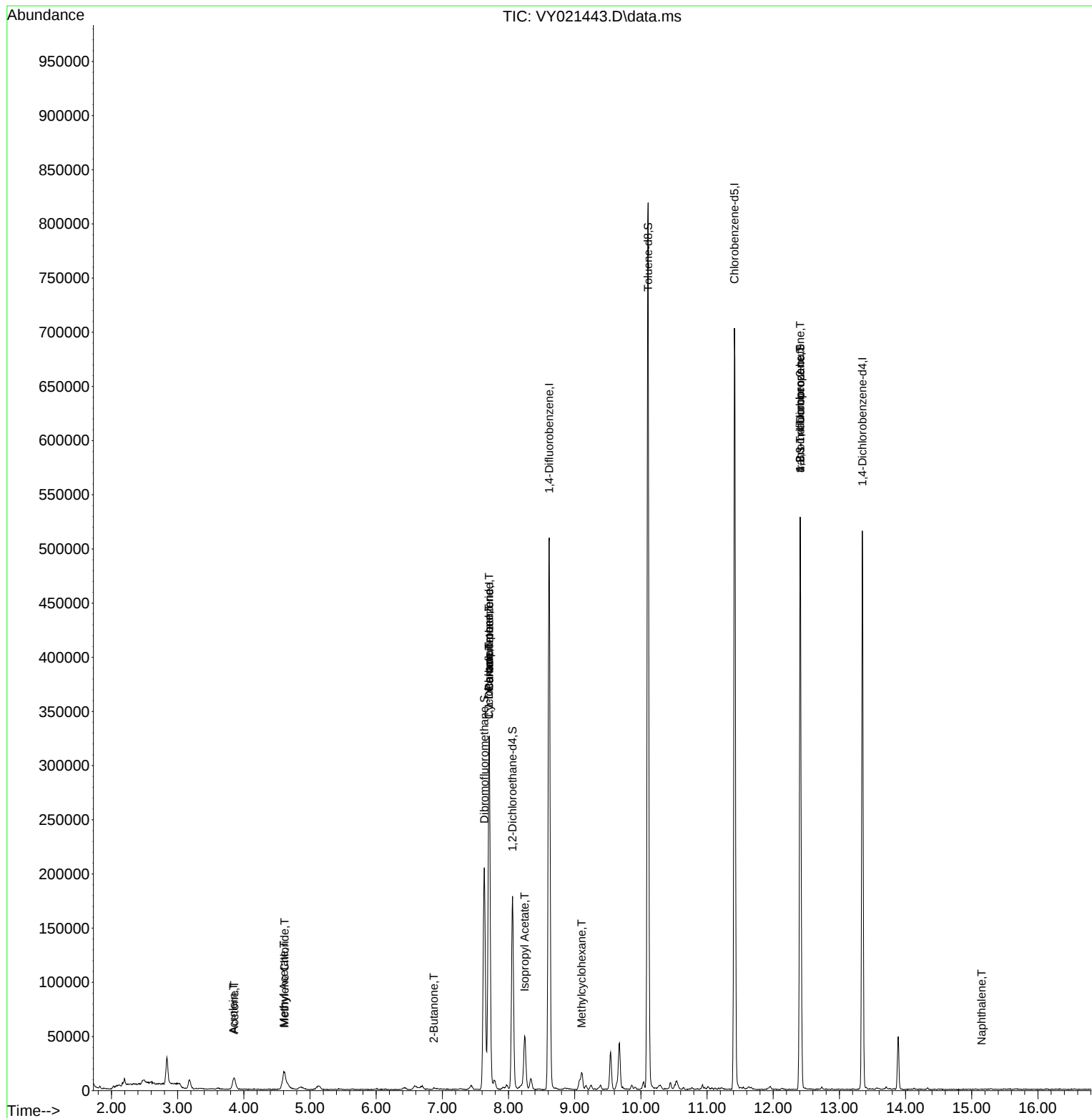
Internal Standards						
1) Pentafluorobenzene	7.707	168	230232	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	423986	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	354306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	121402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	139775	57.440	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.880%
35) Dibromofluoromethane	7.634	113	139499	50.055	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.100%
50) Toluene-d8	10.109	98	513394	48.653	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.300%
62) 4-Bromofluorobenzene	12.408	95	140842	39.238	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.480%
Target Compounds						
					Qvalue	
13) Acrolein	3.842	56	2604	21.039	ug/l #	42
16) Acetone	3.854	43	6328	11.923	ug/l #	61
18) Methyl Acetate	4.604	43	6097	5.177	ug/l #	51
20) Methylene Chloride	4.616	84	7620	2.735	ug/l	98
25) 2-Butanone	6.872	43	949	1.293	ug/l #	48
31) Cyclohexane	7.701	56	11475	2.518	ug/l #	58
36) 1,1-Dichloropropene	7.701	75	20007	4.586	ug/l #	52
38) Carbon Tetrachloride	7.707	117	23669	4.718	ug/l #	17
39) Methylcyclohexane	9.103	83	5873	1.098	ug/l #	86
43) Isopropyl Acetate	8.244	43	10706	2.860	ug/l #	52
76) 1,2,3-Trichloropropane	12.408	75	77795	63.592	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	77795	144.564	ug/l #	10
95) Naphthalene	15.151	128	221	1.516	ug/l #	69

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

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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

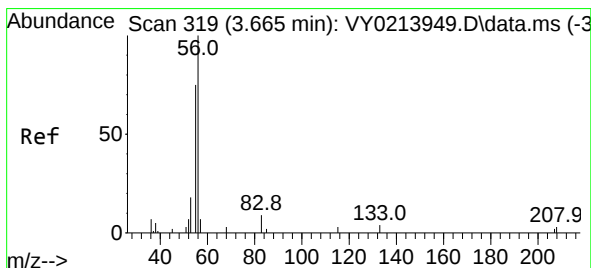
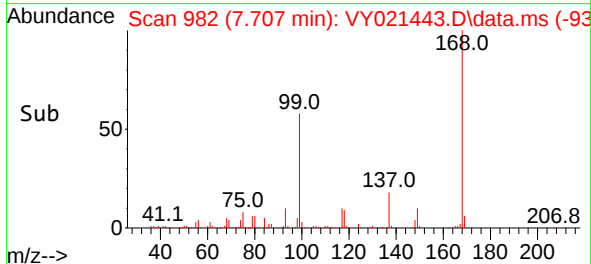
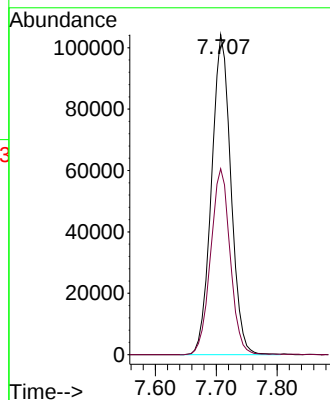
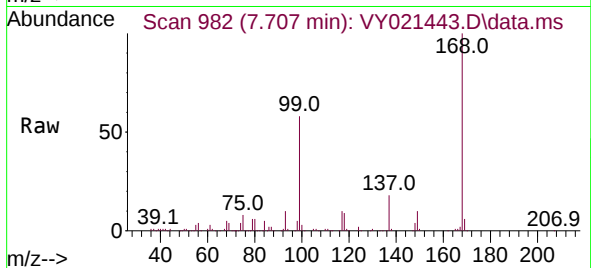




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021443.D
Acq: 06 Mar 2025 18:33

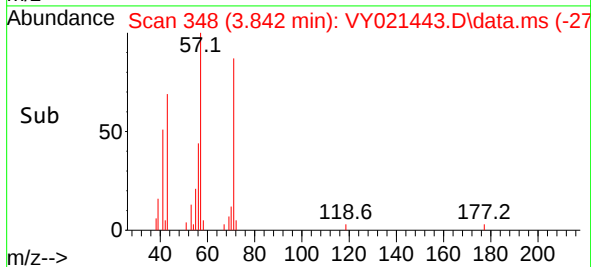
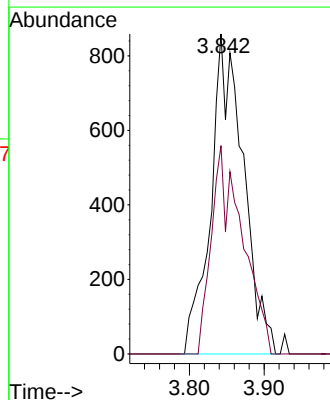
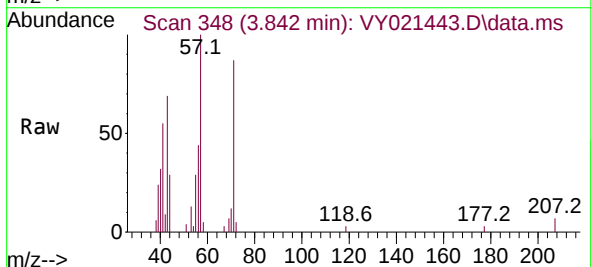
Instrument :
MSVOA_Y
ClientSampleId :
T4

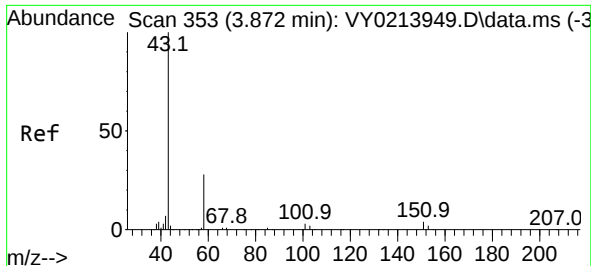
Tgt Ion:168 Resp: 230232
Ion Ratio Lower Upper
168 100
99 58.1 46.0 69.0



#13
Acrolein
Concen: 21.039 ug/l
RT: 3.842 min Scan# 348
Delta R.T. 0.177 min
Lab File: VY021443.D
Acq: 06 Mar 2025 18:33

Tgt Ion: 56 Resp: 2604
Ion Ratio Lower Upper
56 100
55 28.2 63.4 95.2#

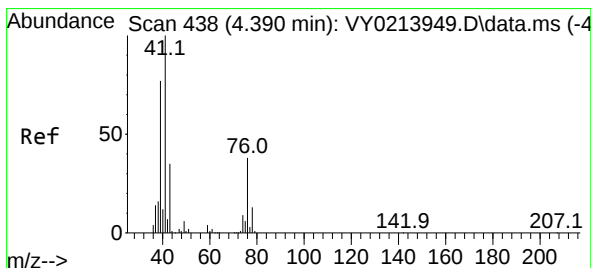
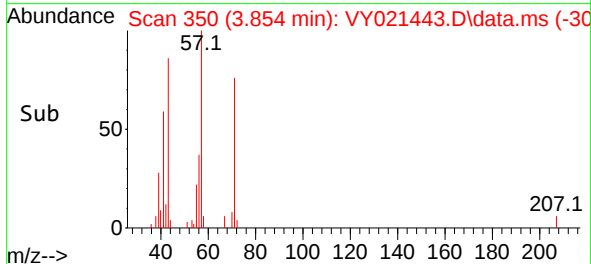
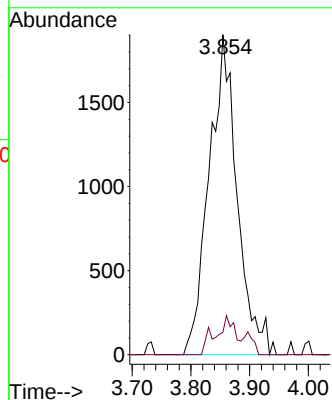
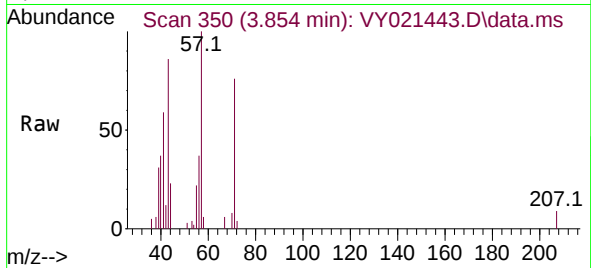




#16
Acetone
Concen: 11.923 ug/l
RT: 3.854 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY021443.D
Acq: 06 Mar 2025 18:33

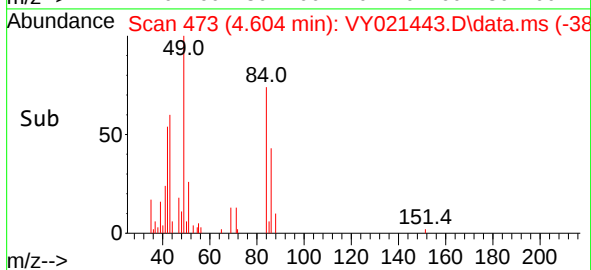
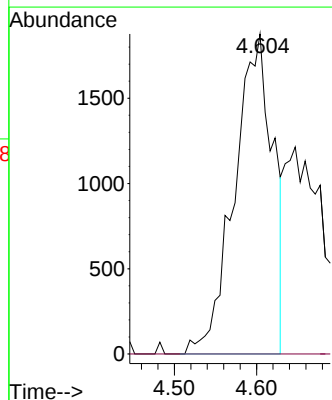
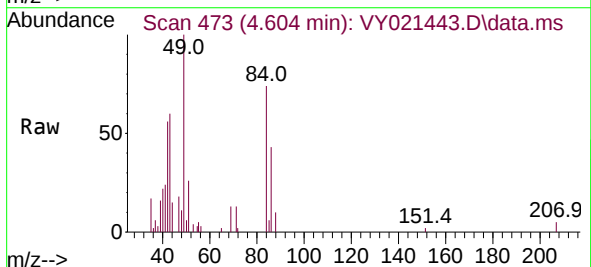
Instrument :
MSVOA_Y
ClientSampleId :
T4

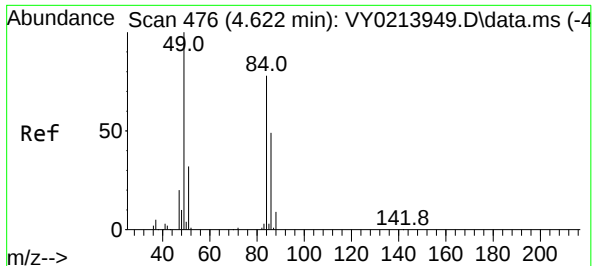
Tgt Ion: 43 Resp: 6328
Ion Ratio Lower Upper
43 100
58 7.0 22.1 33.1#



#18
Methyl Acetate
Concen: 5.177 ug/l
RT: 4.604 min Scan# 473
Delta R.T. 0.214 min
Lab File: VY021443.D
Acq: 06 Mar 2025 18:33

Tgt Ion: 43 Resp: 6097
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.0#

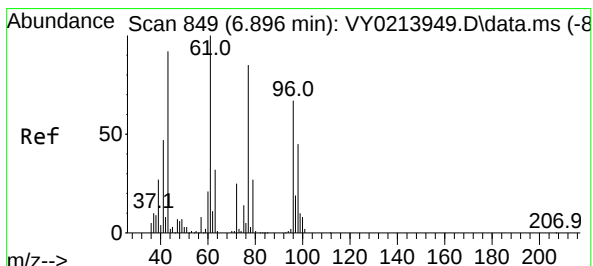
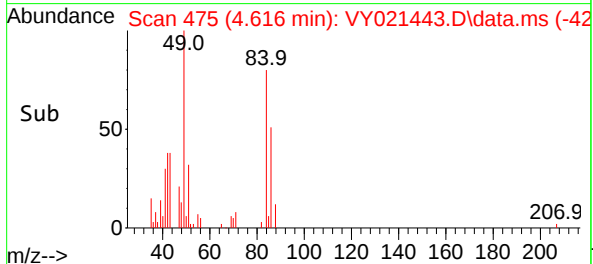
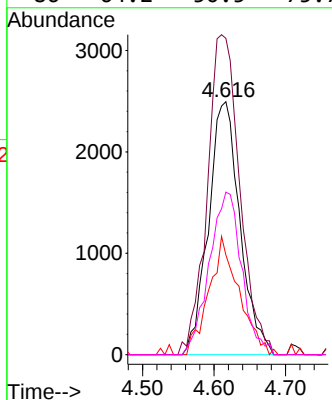
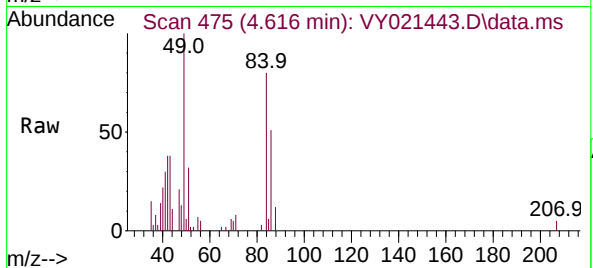




#20
Methylene Chloride
Concen: 2.735 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY021443.D
Acq: 06 Mar 2025 18:33

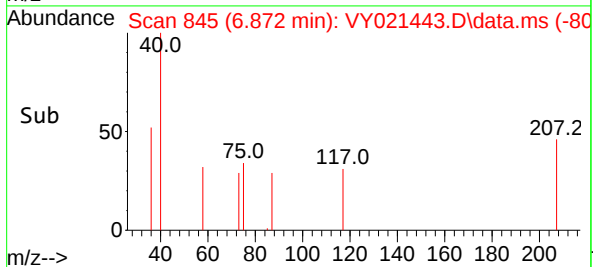
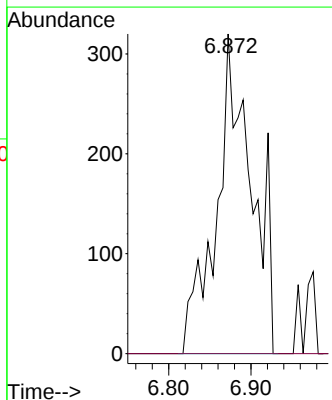
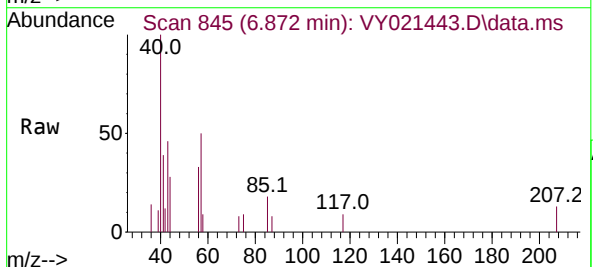
Instrument :
MSVOA_Y
ClientSampleId :
T4

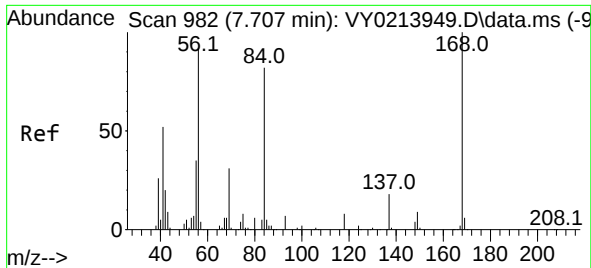
Tgt Ion:	84	Resp:	7620
Ion	Ratio	Lower	Upper
84	100		
49	125.1	102.0	153.0
51	39.4	33.0	49.6
86	64.2	50.5	75.7



#25
2-Butanone
Concen: 1.293 ug/l
RT: 6.872 min Scan# 845
Delta R.T. -0.024 min
Lab File: VY021443.D
Acq: 06 Mar 2025 18:33

Tgt Ion:	43	Resp:	949
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.4	32.0#

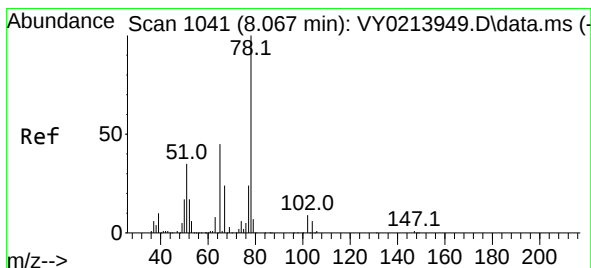
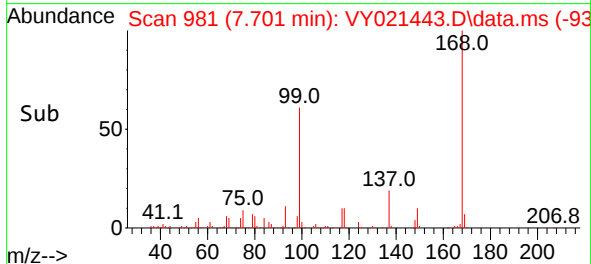
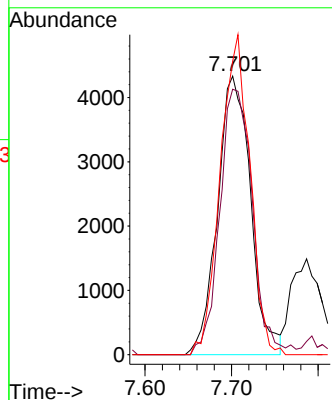
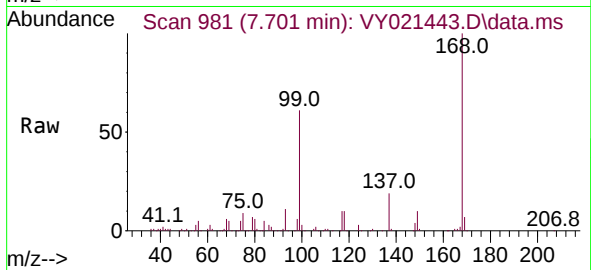




#31
Cyclohexane
Concen: 2.518 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021443.D
Acq: 06 Mar 2025 18:33

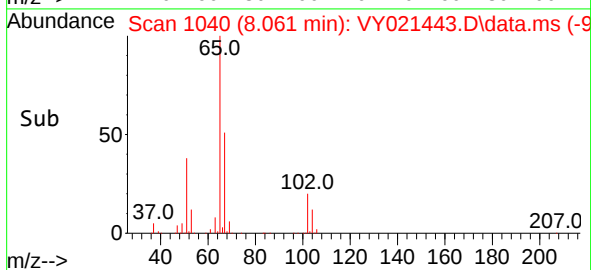
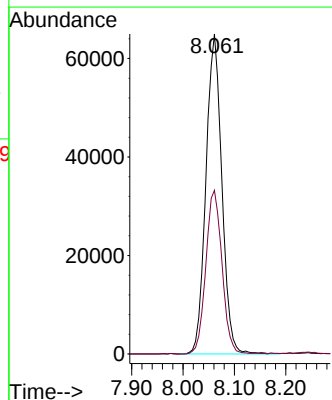
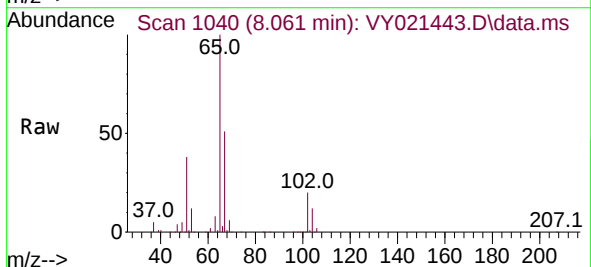
Instrument :
MSVOA_Y
ClientSampleId :
T4

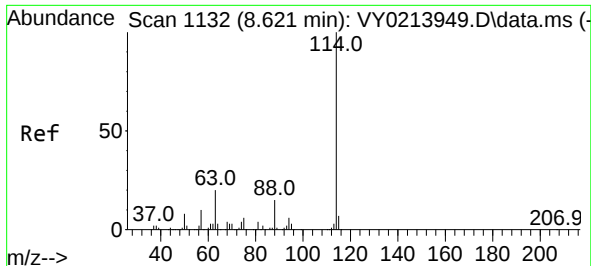
Tgt Ion: 56 Resp: 11475
Ion Ratio Lower Upper
56 100
69 95.3 27.0 40.4#
84 105.3 71.1 106.7



#33
1,2-Dichloroethane-d4
Concen: 57.440 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021443.D
Acq: 06 Mar 2025 18:33

Tgt Ion: 65 Resp: 139775
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.8

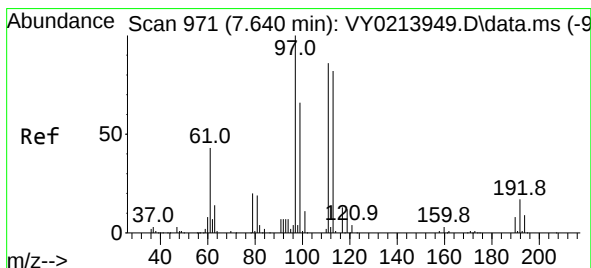
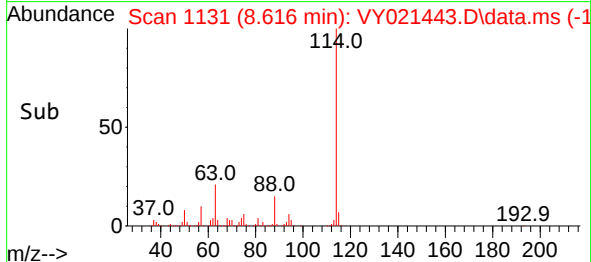
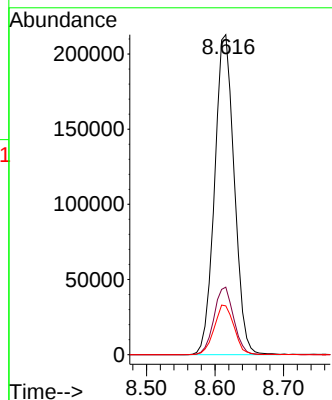
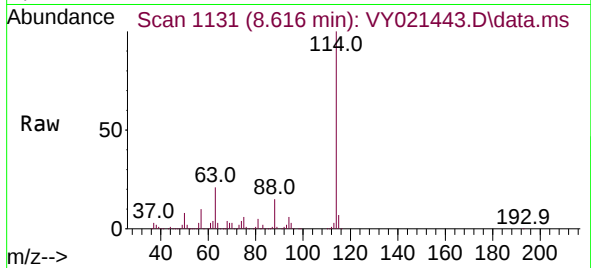




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021443.D
Acq: 06 Mar 2025 18:33

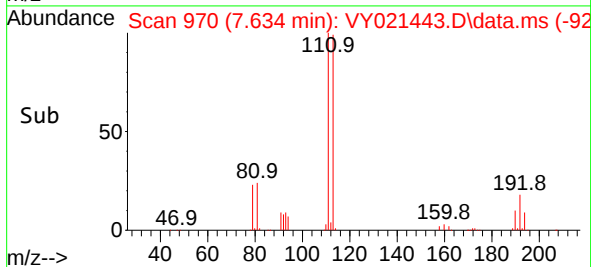
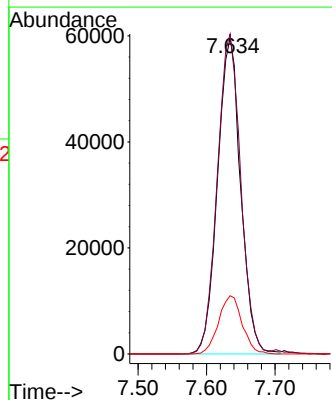
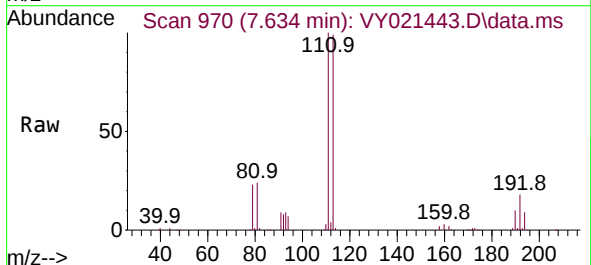
Instrument :
MSVOA_Y
ClientSampleId :
T4

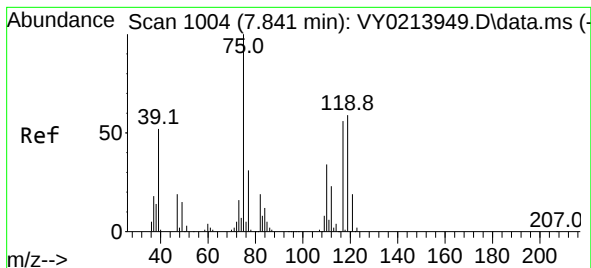
Tgt Ion:114	Resp: 423986
Ion Ratio	Lower Upper
114 100	
63 21.1	0.0 40.8
88 15.3	0.0 30.8



#35
Dibromofluoromethane
Concen: 50.055 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021443.D
Acq: 06 Mar 2025 18:33

Tgt Ion:113	Resp: 139499
Ion Ratio	Lower Upper
113 100	
111 103.5	82.0 123.0
192 18.8	15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.586 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY021443.D

Acq: 06 Mar 2025 18:33

Instrument :

MSVOA_Y

ClientSampleId :

T4

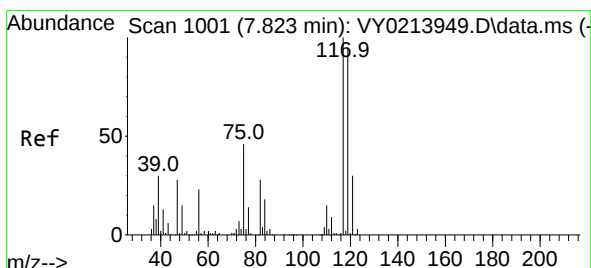
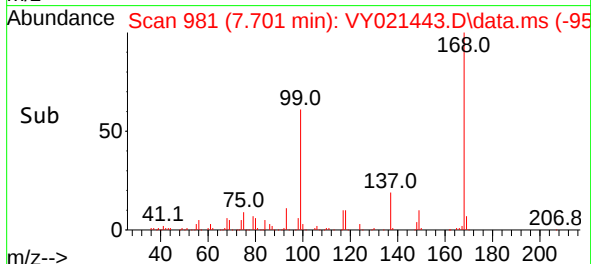
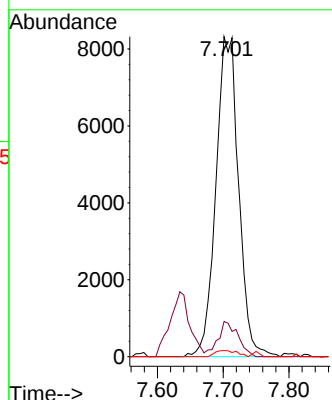
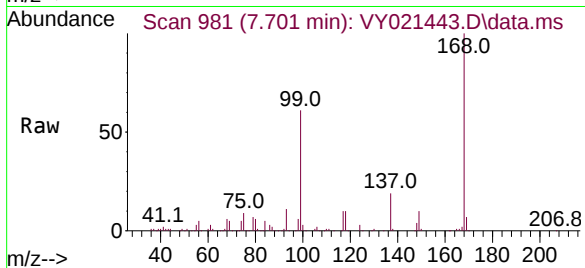
Tgt Ion: 75 Resp: 20007

Ion Ratio Lower Upper

75 100

110 9.7 17.3 51.7#

77 1.9 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 4.718 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.115 min

Lab File: VY021443.D

Acq: 06 Mar 2025 18:33

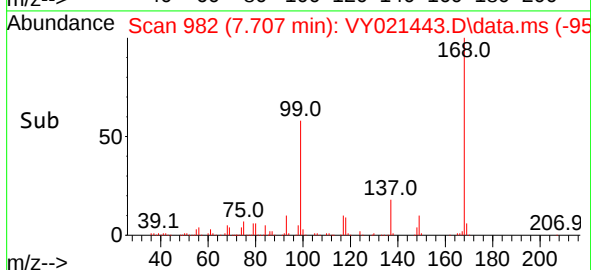
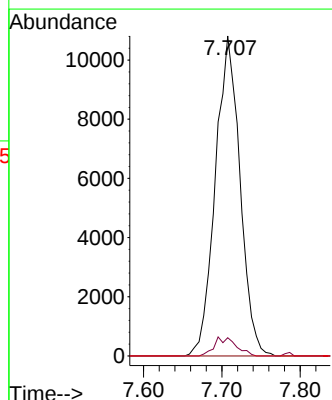
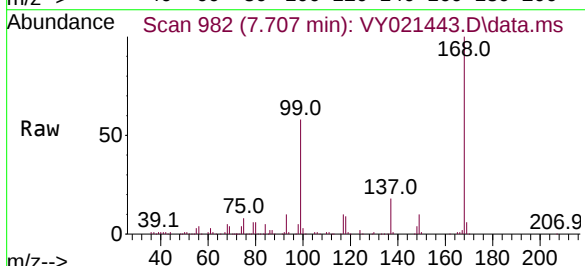
Tgt Ion: 117 Resp: 23669

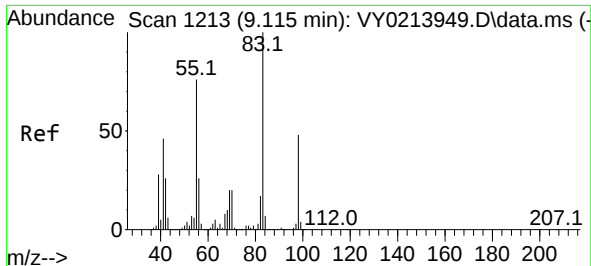
Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.8#

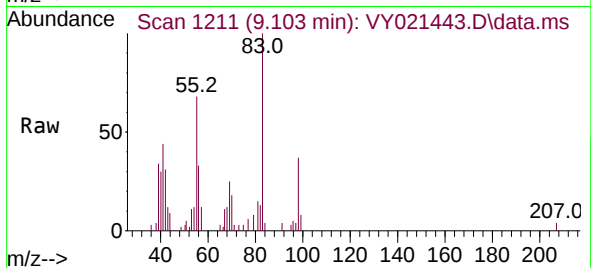
121 0.0 23.9 35.9#



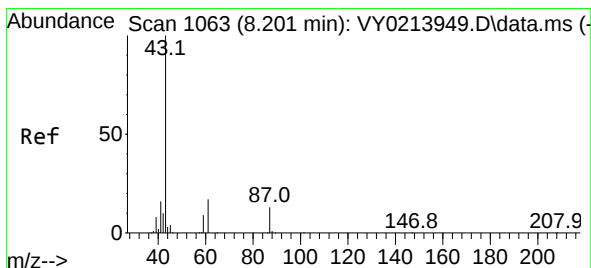
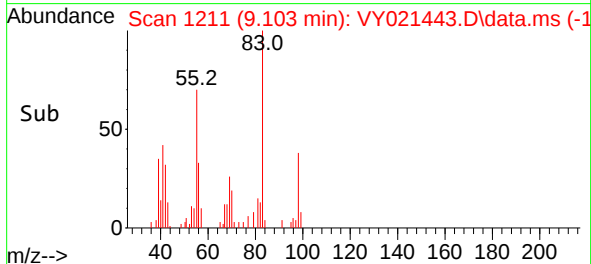
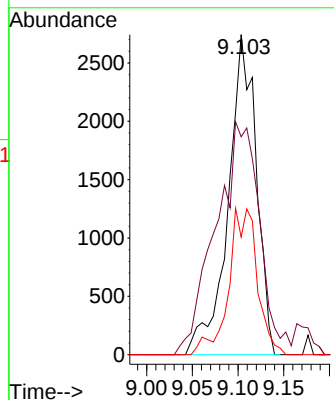


#39
Methylcyclohexane
Concen: 1.098 ug/l
RT: 9.103 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY021443.D
Acq: 06 Mar 2025 18:33

Instrument :
MSVOA_Y
ClientSampleId :
T4

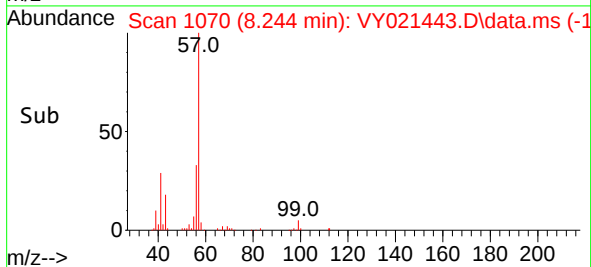
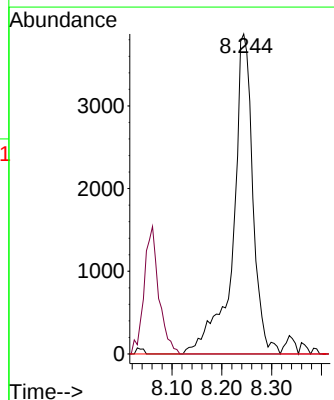
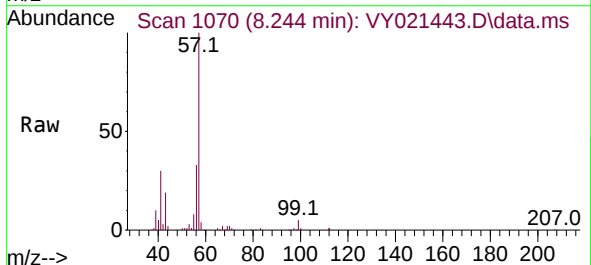


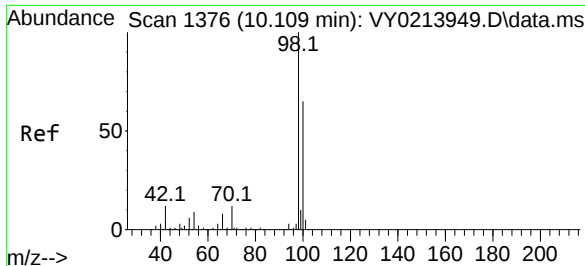
Tgt Ion: 83 Resp: 5873
Ion Ratio Lower Upper
83 100
55 65.4 60.7 91.1
98 36.8 38.6 57.8#



#43
Isopropyl Acetate
Concen: 2.860 ug/l
RT: 8.244 min Scan# 1070
Delta R.T. 0.043 min
Lab File: VY021443.D
Acq: 06 Mar 2025 18:33

Tgt Ion: 43 Resp: 10706
Ion Ratio Lower Upper
43 100
61 0.0 23.4 35.0#
87 0.0 10.5 15.7#

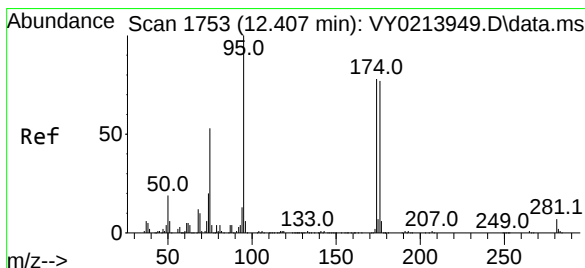
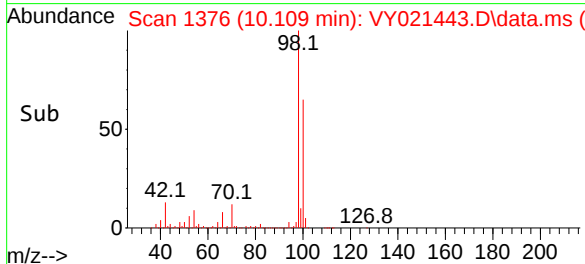
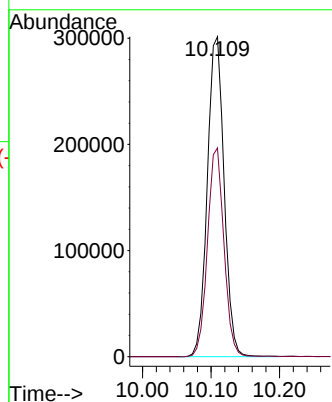
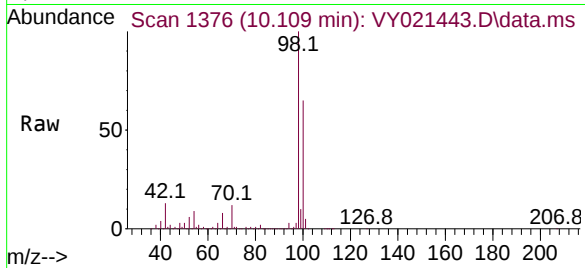




#50
Toluene-d8
Concen: 48.653 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021443.D
Acq: 06 Mar 2025 18:33

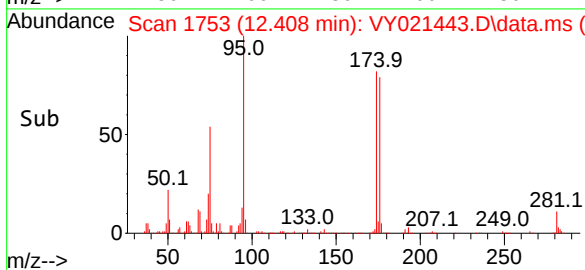
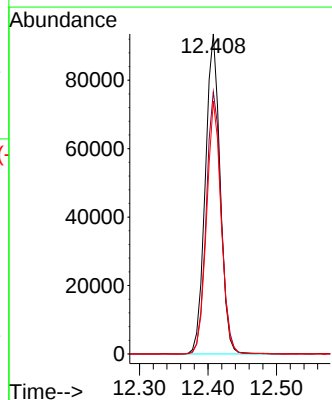
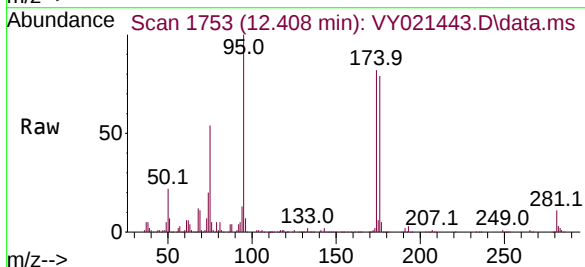
Instrument :
MSVOA_Y
ClientSampleId :
T4

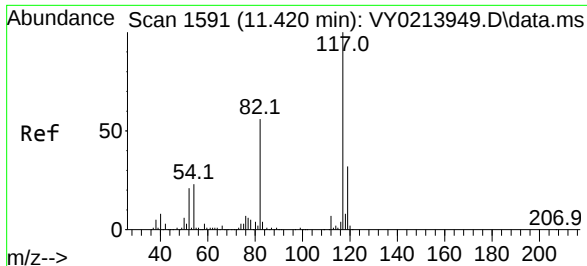
Tgt Ion: 98 Resp: 513394
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 39.238 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021443.D
Acq: 06 Mar 2025 18:33

Tgt Ion: 95 Resp: 140842
Ion Ratio Lower Upper
95 100
174 82.7 0.0 165.0
176 77.6 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: VY021443.D

Acq: 06 Mar 2025 18:33

Instrument :

MSVOA_Y

ClientSampleId :

T4

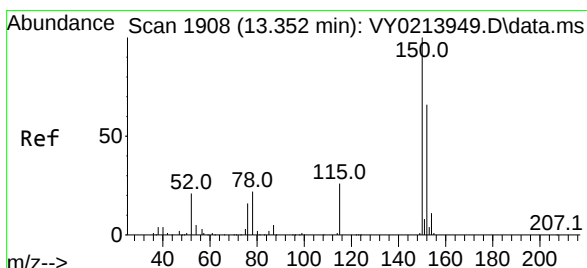
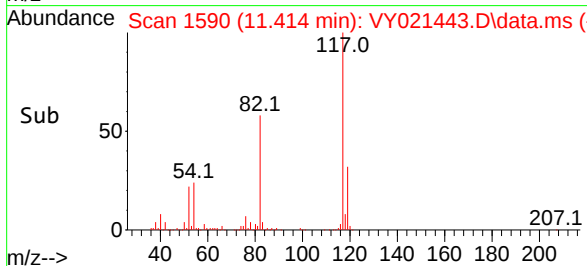
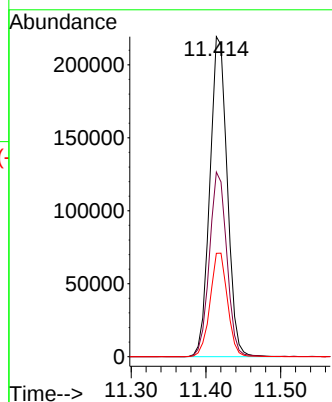
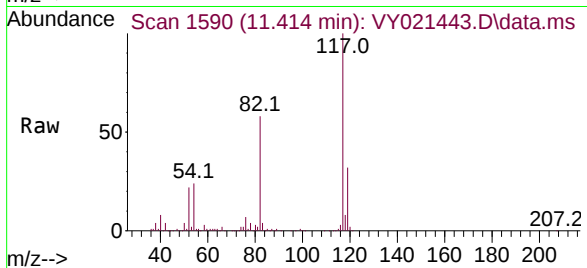
Tgt Ion:117 Resp: 354306

Ion Ratio Lower Upper

117 100

82 57.7 44.6 67.0

119 32.3 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: VY021443.D

Acq: 06 Mar 2025 18:33

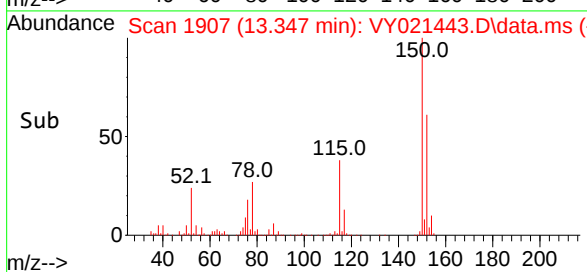
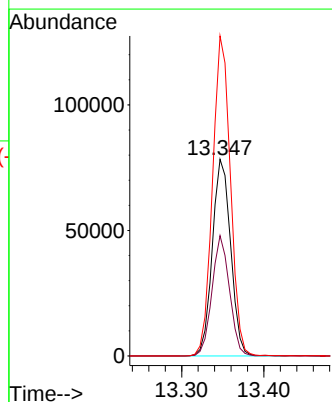
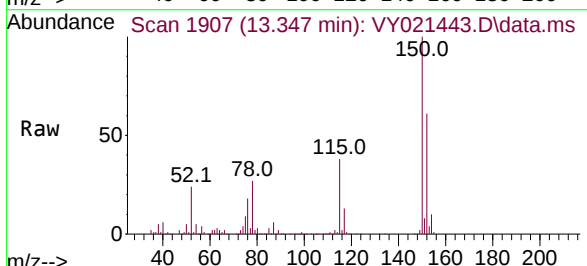
Tgt Ion:152 Resp: 121402

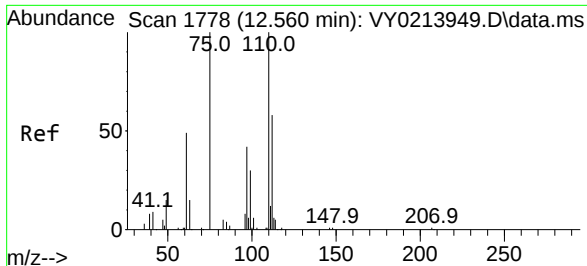
Ion Ratio Lower Upper

152 100

115 58.3 29.0 87.0

150 158.7 0.0 347.2

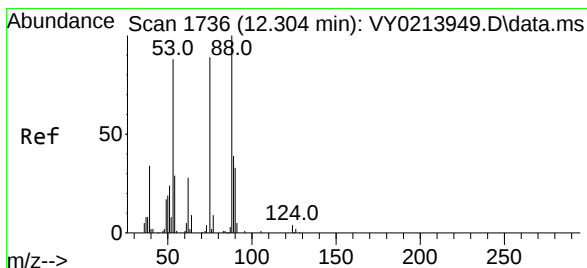
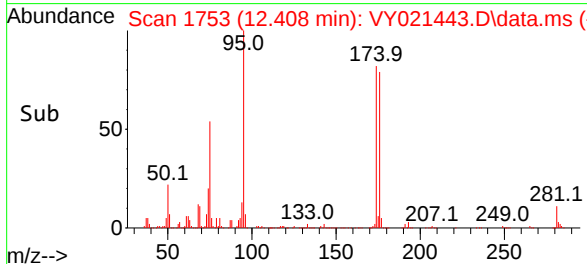
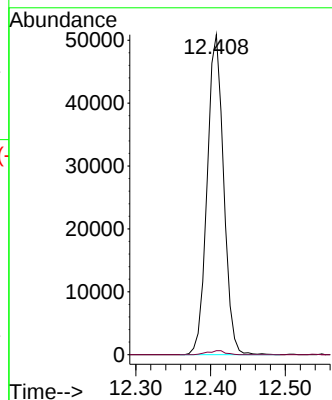
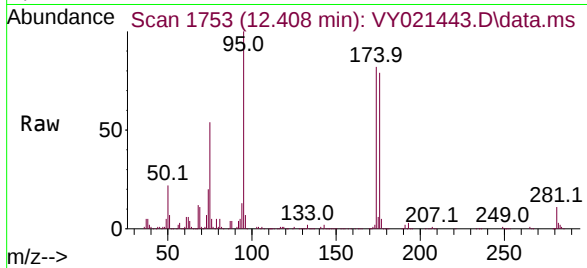




#76
1,2,3-Trichloropropane
Concen: 63.592 ug/l
RT: 12.408 min Scan# 1778
Delta R.T. -0.152 min
Lab File: VY021443.D
Acq: 06 Mar 2025 18:33

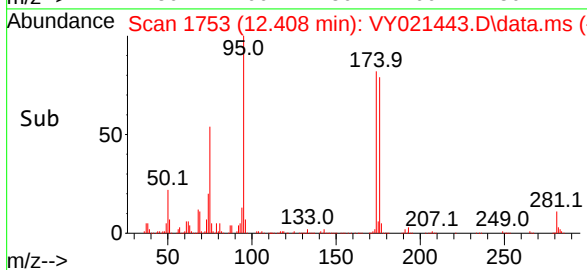
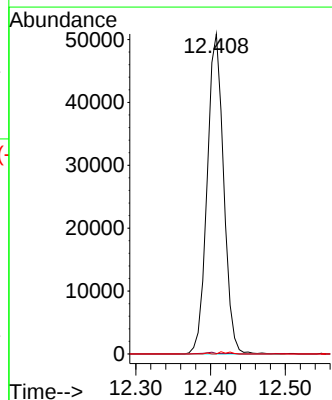
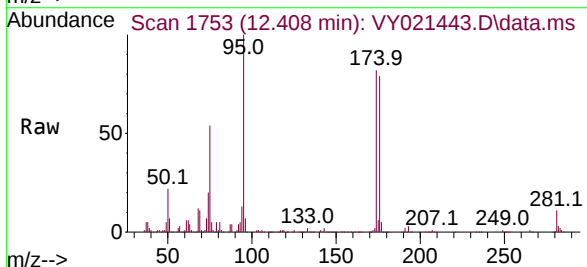
Instrument :
MSVOA_Y
ClientSampleId :
T4

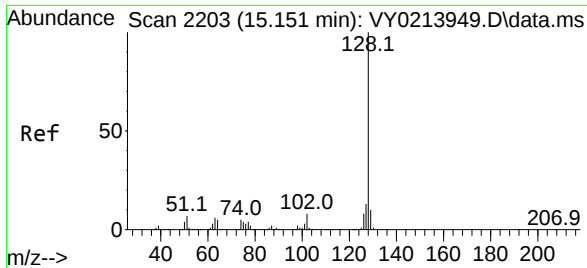
Tgt Ion: 75 Resp: 77795
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 144.564 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021443.D
Acq: 06 Mar 2025 18:33

Tgt Ion: 75 Resp: 77795
Ion Ratio Lower Upper
75 100
53 0.4 81.0 121.4#
89 0.4 36.9 55.3#





#95

Naphthalene

Concen: 1.516 ug/l

RT: 15.151 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY021443.D

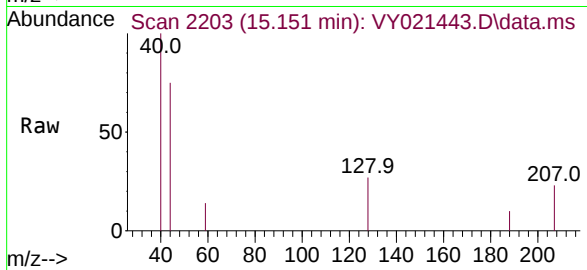
Acq: 06 Mar 2025 18:33

Instrument :

MSVOA_Y

ClientSampleId :

T4



Tgt Ion:	128	Resp:	221
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	13.0#

