

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031325\
 Data File : VY021525.D
 Acq On : 13 Mar 2025 15:08
 Operator : SY/MD
 Sample : Q1549-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11978

Quant Time: Mar 14 14:56:40 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)

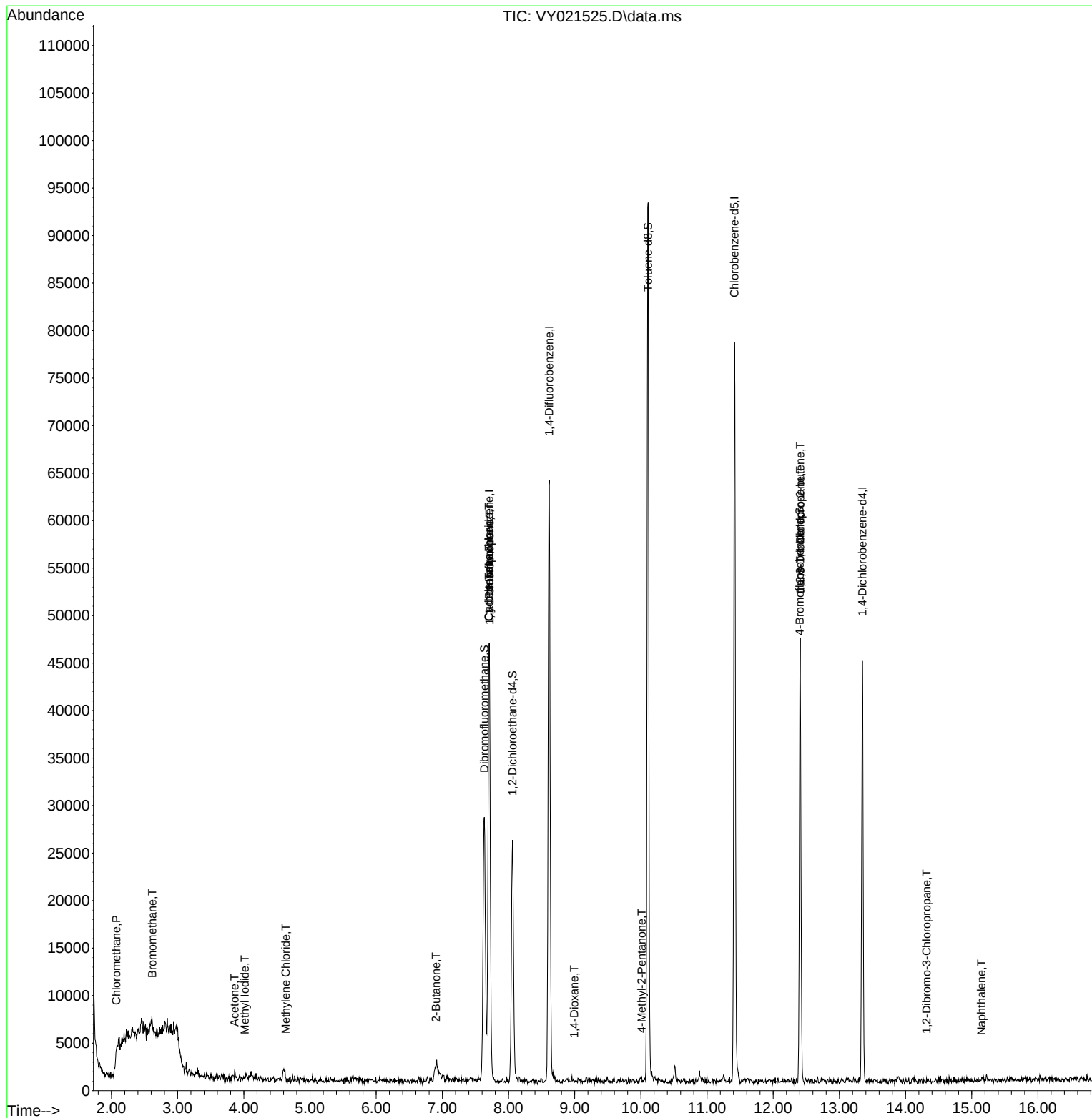
Internal Standards						
1) Pentafluorobenzene	7.707	168	34466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	52269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	41188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	10544	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	20627	56.623	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.240%			
35) Dibromofluoromethane	7.634	113	20282	59.033	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.060%			
50) Toluene-d8	10.109	98	61415	47.211	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.420%			
62) 4-Bromofluorobenzene	12.402	95	13422	30.332	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 60.660%			
Target Compounds						Qvalue
3) Chloromethane	2.074	50	520	1.166	ug/l #	71
5) Bromomethane	2.617	94	593	1.684	ug/l #	65
10) Methyl Iodide	4.013	142	444	1.125	ug/l #	66
11) Tert butyl alcohol	4.866	59	262	Below Cal	#	72
16) Acetone	3.860	43	916	11.529	ug/l #	86
20) Methylene Chloride	4.635	84	630	1.511	ug/l #	27
25) 2-Butanone	6.903	43	184	1.674	ug/l #	48
31) Cyclohexane	7.701	56	935	1.370	ug/l #	40
36) 1,1-Dichloropropene	7.713	75	3378	6.281	ug/l #	51
38) Carbon Tetrachloride	7.701	117	3966	6.412	ug/l #	17
49) 1,4-Dioxane	8.994	88	21	10.198	ug/l #	22
51) 4-Methyl-2-Pentanone	10.012	43	353	1.483	ug/l #	36
76) 1,2,3-Trichloropropane	12.408	75	7710	72.565	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	7710	164.962	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.316	75	22	1.002	ug/l #	1
95) Naphthalene	15.145	128	139	1.935	ug/l #	69

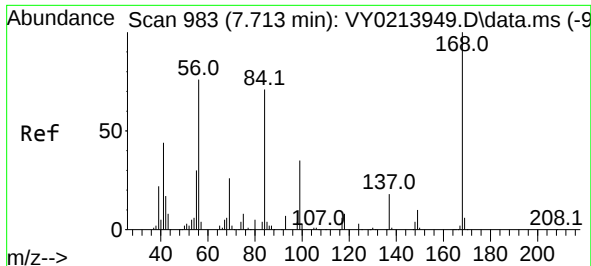
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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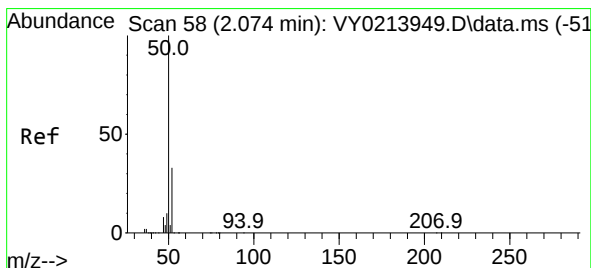
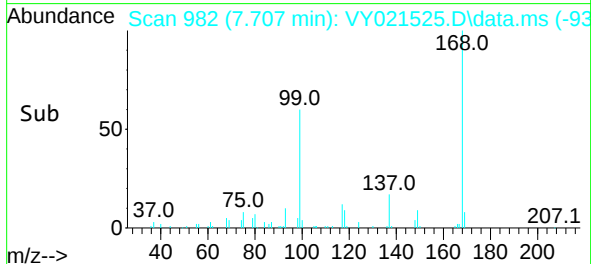
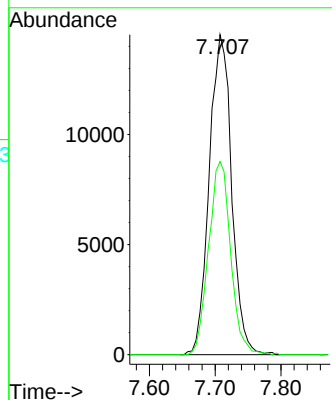
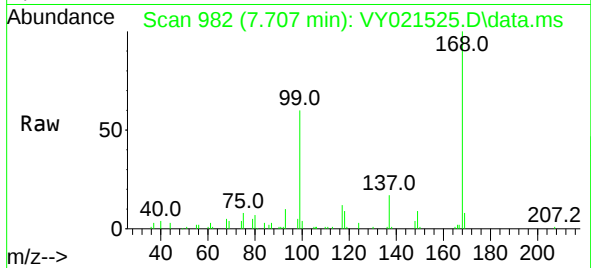




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021525.D
Acq: 13 Mar 2025 15:08

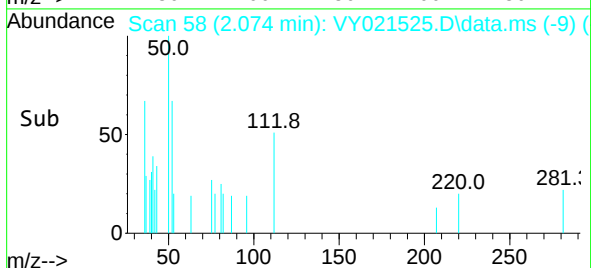
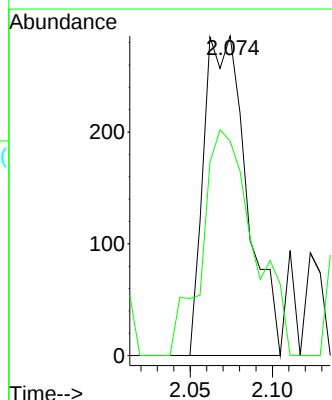
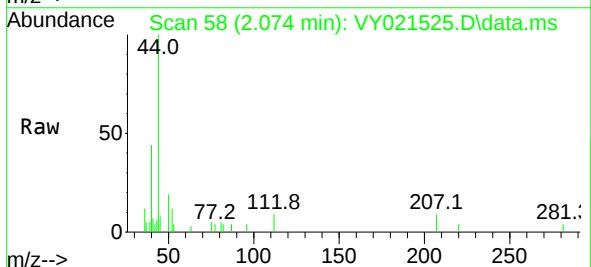
Instrument :
MSVOA_Y
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72-11978

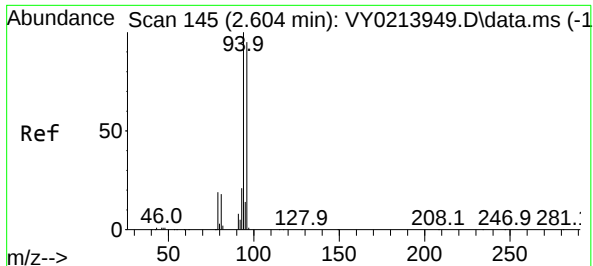
Tgt Ion:168 Resp: 34466
Ion Ratio Lower Upper
168 100
99 60.3 46.0 69.0



#3
Chloromethane
Concen: 1.166 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.000 min
Lab File: VY021525.D
Acq: 13 Mar 2025 15:08

Tgt Ion: 50 Resp: 520
Ion Ratio Lower Upper
50 100
52 49.0 26.2 39.2#

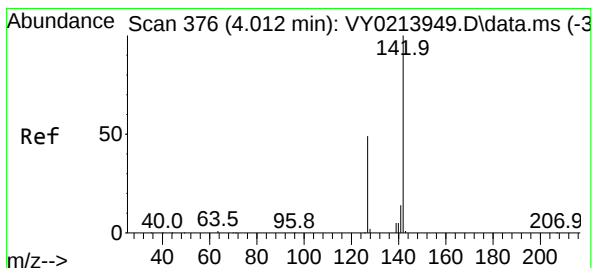
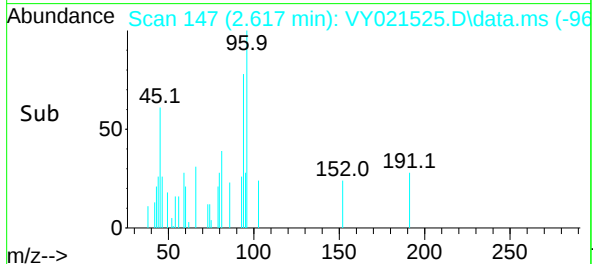
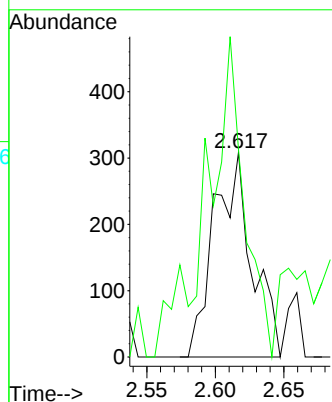
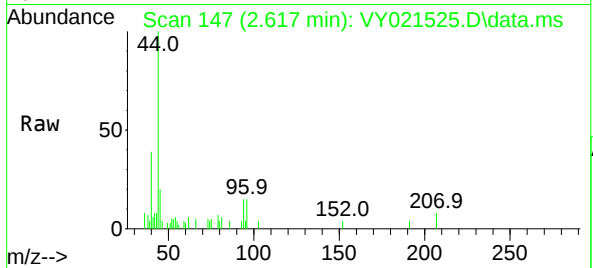




#5
Bromomethane
Concen: 1.684 ug/l
RT: 2.617 min Scan# 145
Delta R.T. 0.013 min
Lab File: VY021525.D
Acq: 13 Mar 2025 15:08

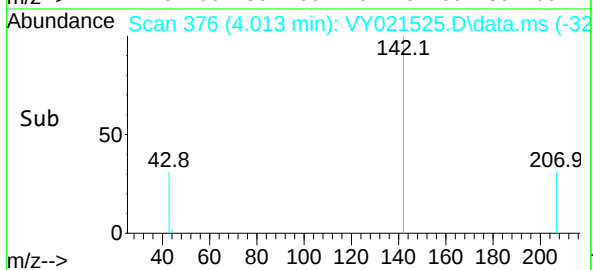
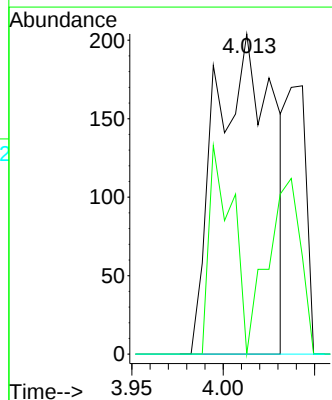
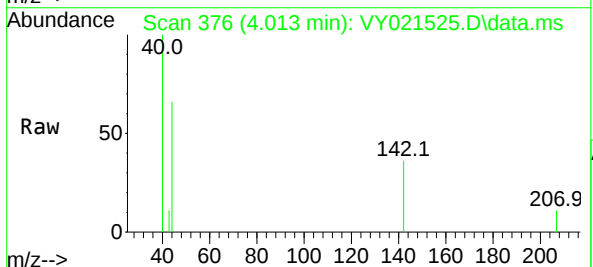
Instrument :
MSVOA_Y
ClientSampleId :
72-11978

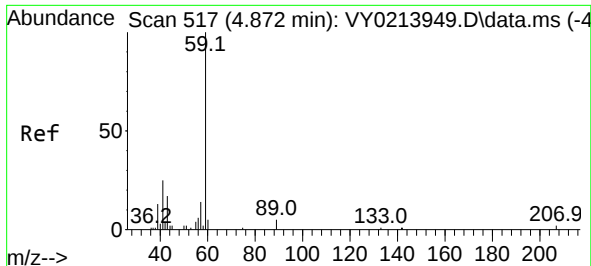
Tgt Ion: 94 Resp: 593
Ion Ratio Lower Upper
94 100
96 61.7 76.3 114.5#



#10
Methyl Iodide
Concen: 1.125 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021525.D
Acq: 13 Mar 2025 15:08

Tgt Ion: 142 Resp: 444
Ion Ratio Lower Upper
142 100
127 26.4 39.1 58.7#
141 0.0 11.8 17.6#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.866 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY021525.D

Acq: 13 Mar 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

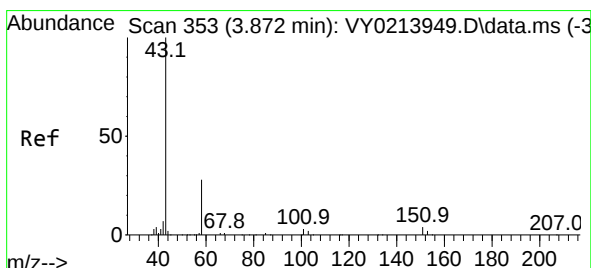
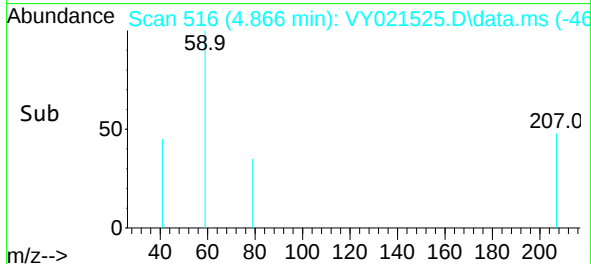
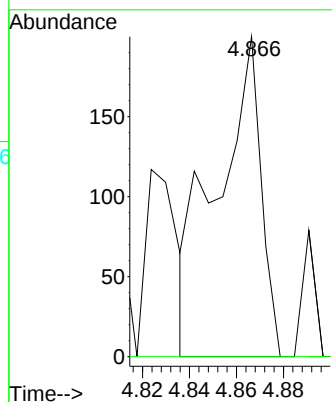
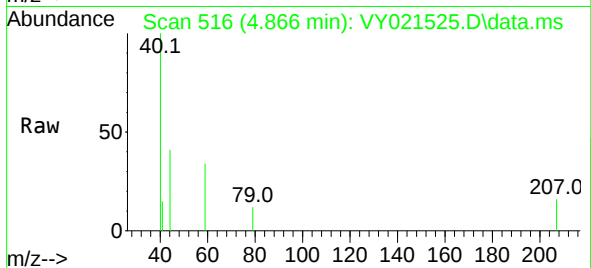
72-11978

Tgt Ion: 59 Resp: 262

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 11.529 ug/l

RT: 3.860 min Scan# 351

Delta R.T. -0.012 min

Lab File: VY021525.D

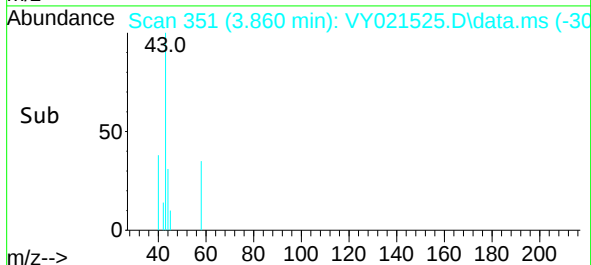
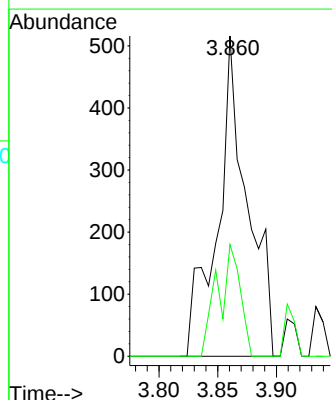
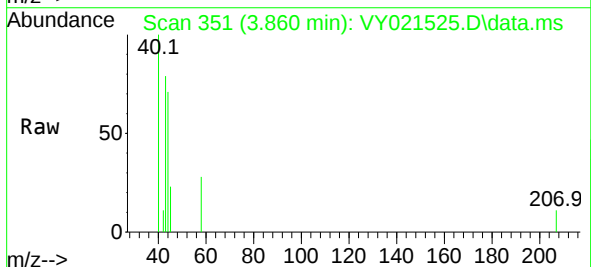
Acq: 13 Mar 2025 15:08

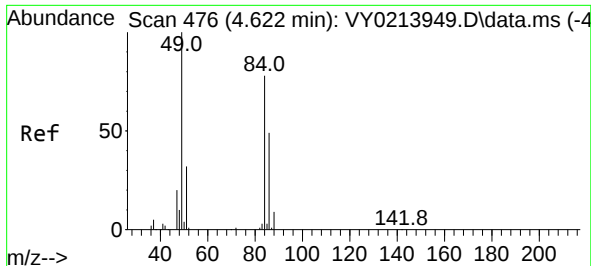
Tgt Ion: 43 Resp: 916

Ion Ratio Lower Upper

43 100

58 34.9 22.1 33.1#





#20

Methylene Chloride

Concen: 1.511 ug/l

RT: 4.635 min Scan# 41

Delta R.T. 0.013 min

Lab File: VY021525.D

Acq: 13 Mar 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

72-11978

Tgt Ion: 84 Resp: 630

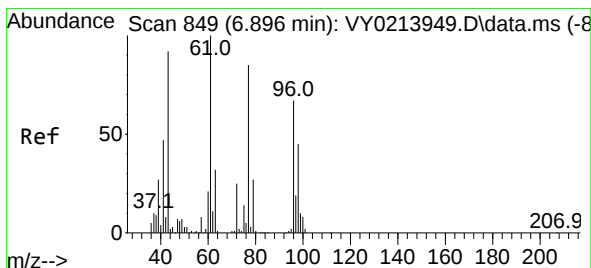
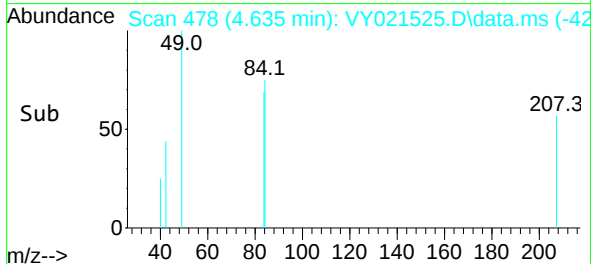
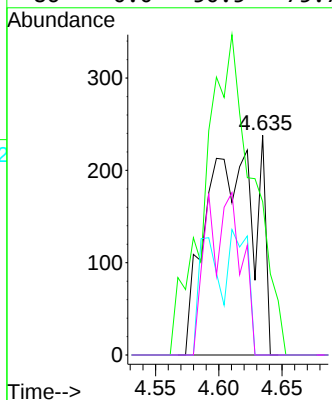
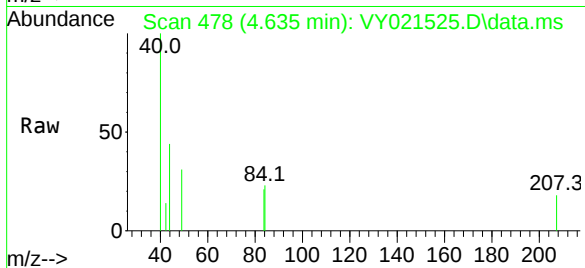
Ion Ratio Lower Upper

84 100

49 45.0 102.0 153.0#

51 0.0 33.0 49.6#

86 0.0 50.5 75.7#



#25

2-Butanone

Concen: 1.674 ug/l

RT: 6.903 min Scan# 850

Delta R.T. 0.007 min

Lab File: VY021525.D

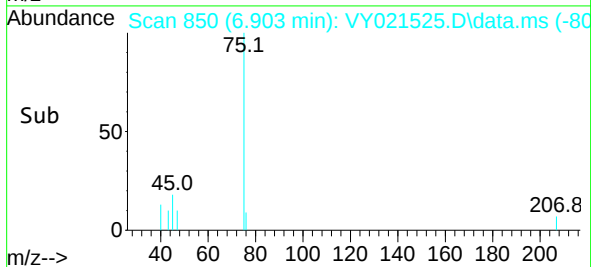
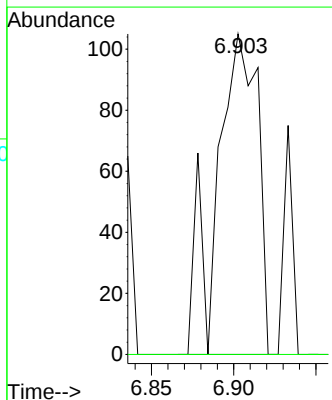
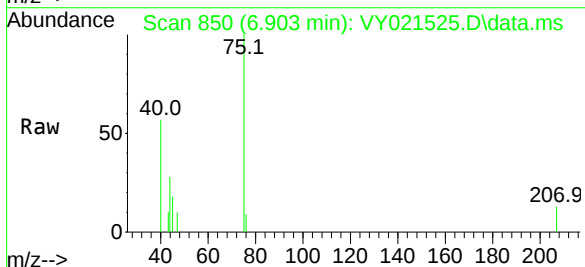
Acq: 13 Mar 2025 15:08

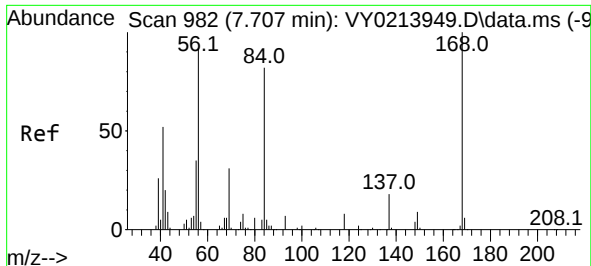
Tgt Ion: 43 Resp: 184

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.0#

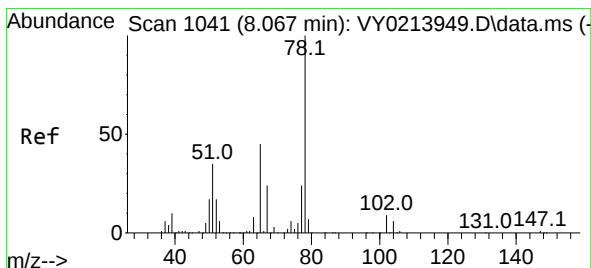
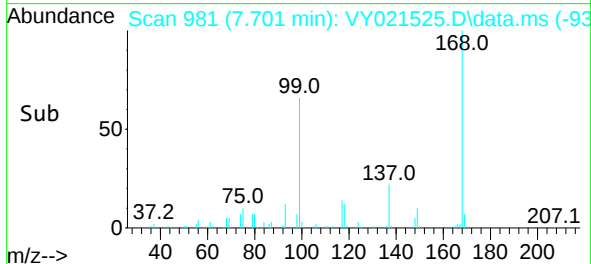
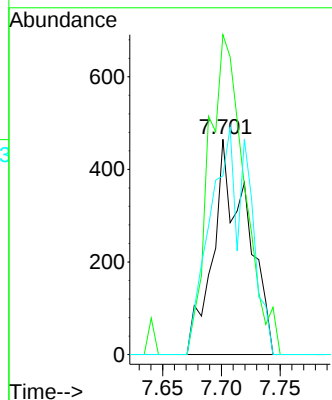
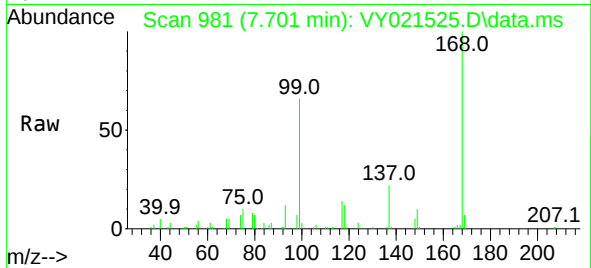




#31
Cyclohexane
Concen: 1.370 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021525.D
Acq: 13 Mar 2025 15:08

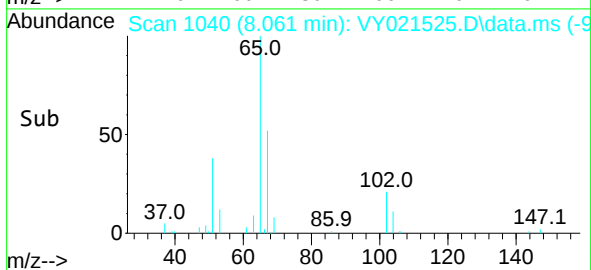
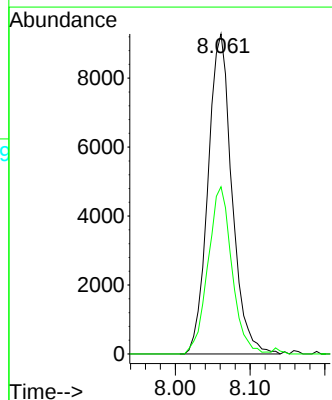
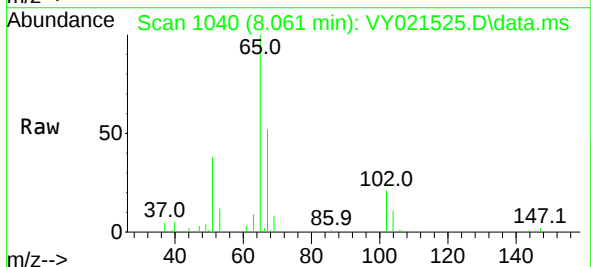
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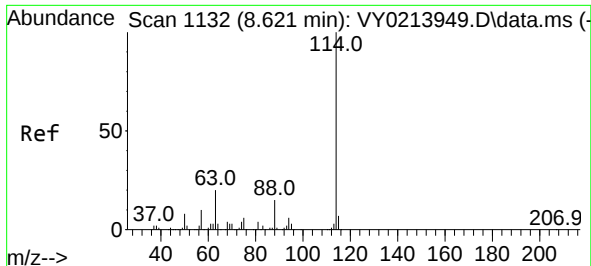
Tgt Ion: 56 Resp: 935
Ion Ratio Lower Upper
56 100
69 148.6 27.0 40.4#
84 83.0 71.1 106.7



#33
1,2-Dichloroethane-d4
Concen: 56.623 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021525.D
Acq: 13 Mar 2025 15:08

Tgt Ion: 65 Resp: 20627
Ion Ratio Lower Upper
65 100
67 52.3 0.0 102.8

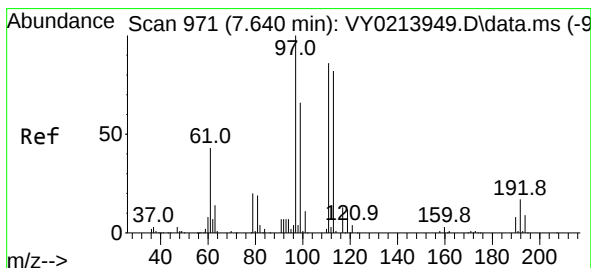
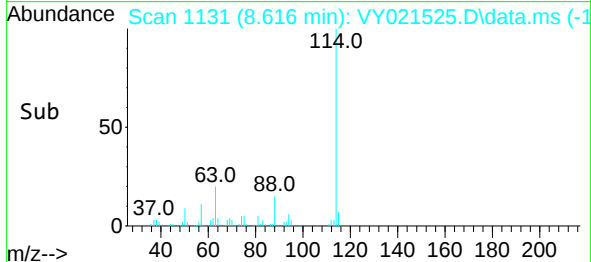
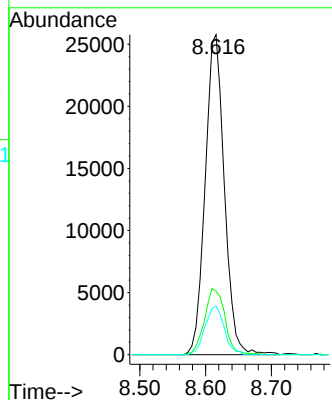
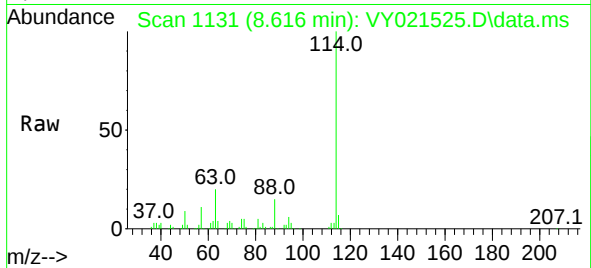




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021525.D
Acq: 13 Mar 2025 15:08

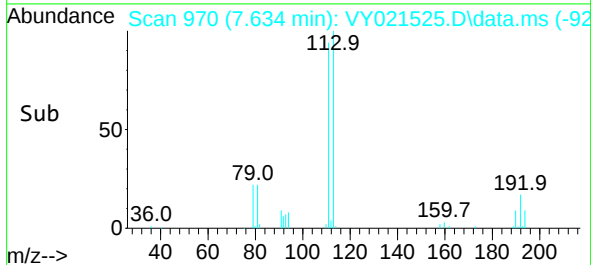
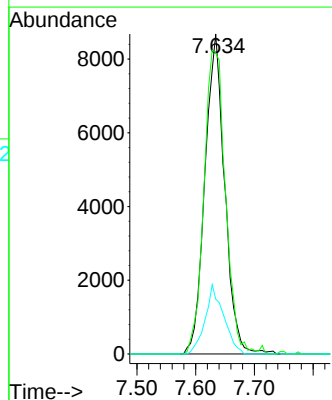
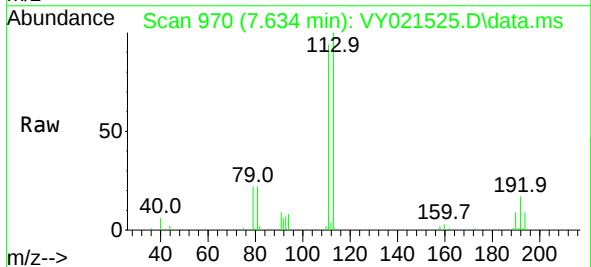
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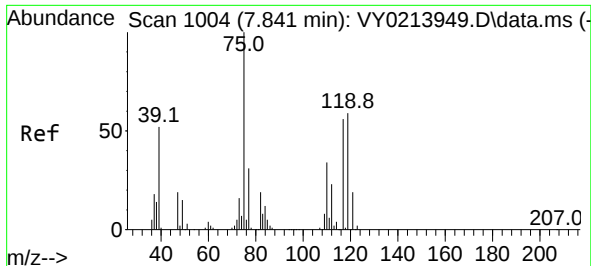
Tgt Ion:114	Resp:	52269
Ion	Ratio	Lower Upper
114	100	
63	19.9	0.0 40.8
88	15.1	0.0 30.8



#35
Dibromofluoromethane
Concen: 59.033 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021525.D
Acq: 13 Mar 2025 15:08

Tgt Ion:113	Resp:	20282
Ion	Ratio	Lower Upper
113	100	
111	103.3	82.0 123.0
192	20.3	15.9 23.9

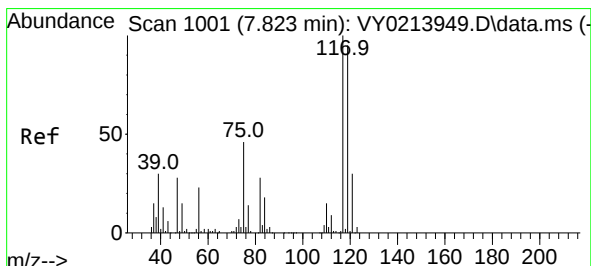
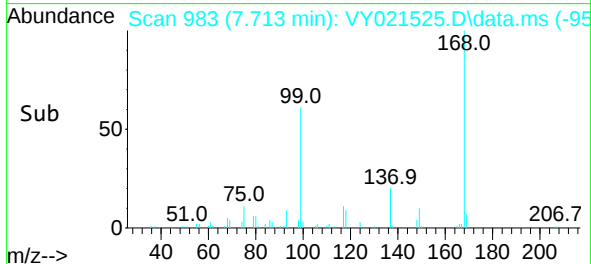
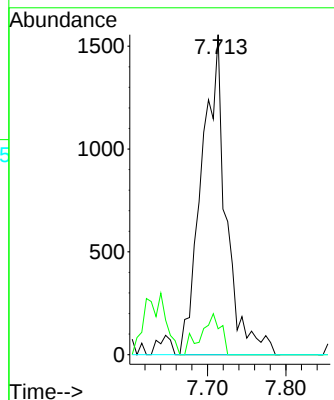
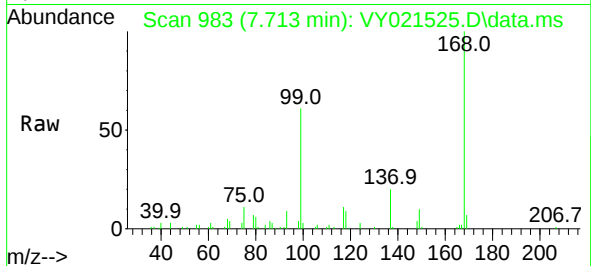




#36
 1,1-Dichloropropene
 Concen: 6.281 ug/l
 RT: 7.713 min Scan# 911
 Delta R.T. -0.128 min
 Lab File: VY021525.D
 Acq: 13 Mar 2025 15:08

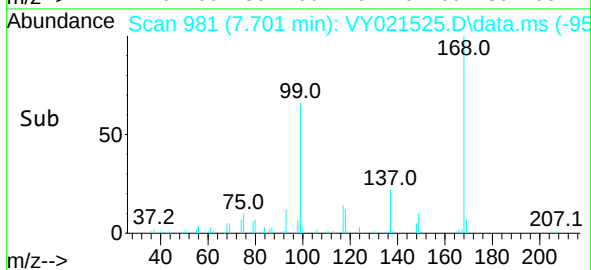
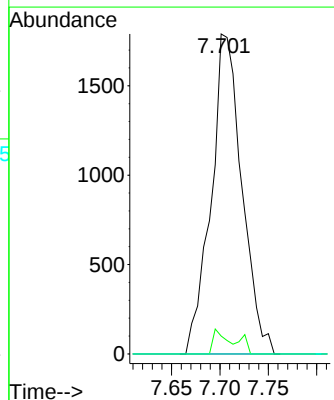
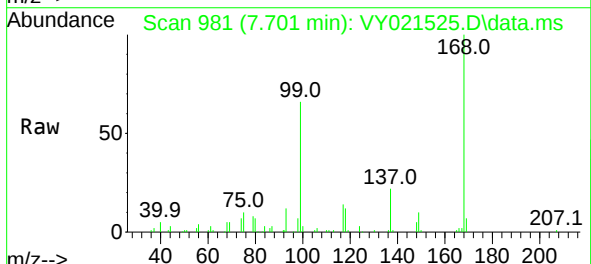
Instrument :
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 72-11978

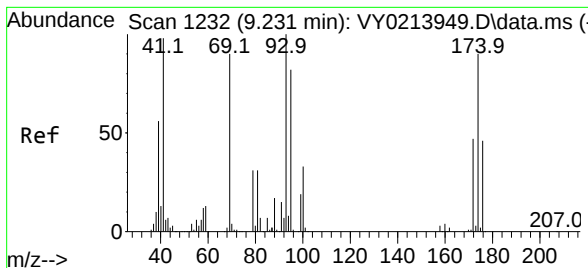
Tgt Ion: 75 Resp: 3378
 Ion Ratio Lower Upper
 75 100
 110 10.3 17.3 51.7#
 77 0.0 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 6.412 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.122 min
 Lab File: VY021525.D
 Acq: 13 Mar 2025 15:08

Tgt Ion: 117 Resp: 3966
 Ion Ratio Lower Upper
 117 100
 119 5.6 75.8 113.8#
 121 0.0 23.9 35.9#





#49

1,4-Dioxane

Concen: 10.198 ug/l

RT: 8.994 min Scan# 1193

Delta R.T. -0.237 min

Lab File: VY021525.D

Acq: 13 Mar 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

72-11978

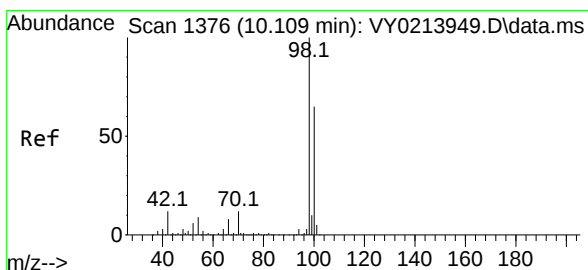
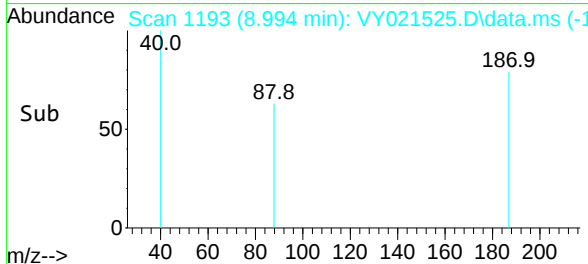
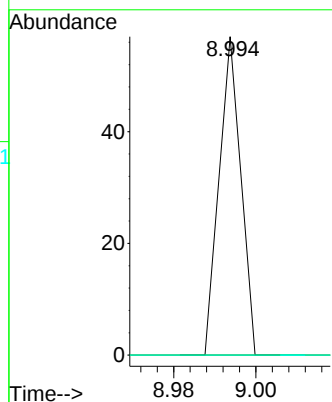
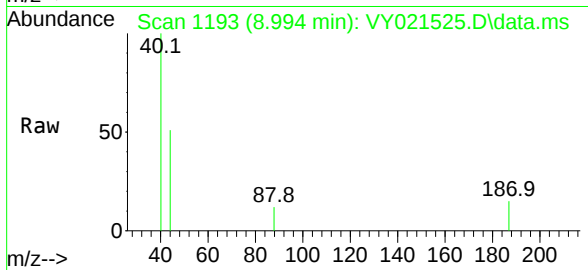
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 0.0 25.0 37.4#

58 0.0 58.4 87.6#



#50

Toluene-d8

Concen: 47.211 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021525.D

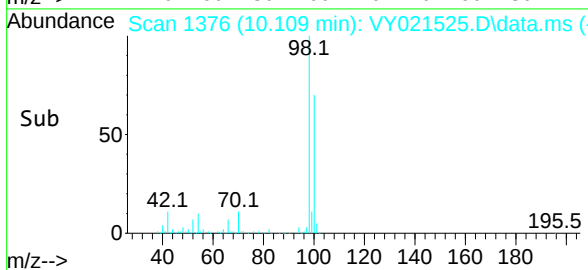
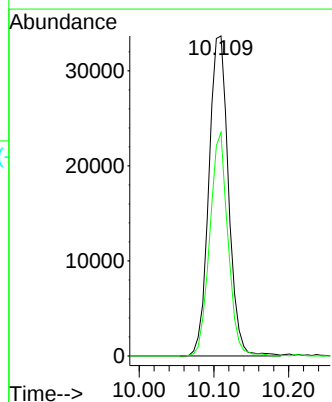
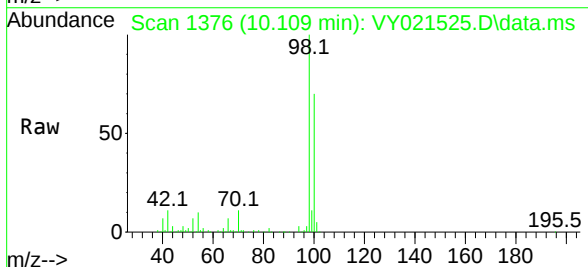
Acq: 13 Mar 2025 15:08

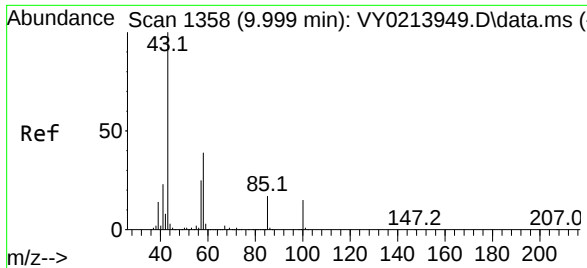
Tgt Ion: 98 Resp: 61415

Ion Ratio Lower Upper

98 100

100 64.6 52.1 78.1

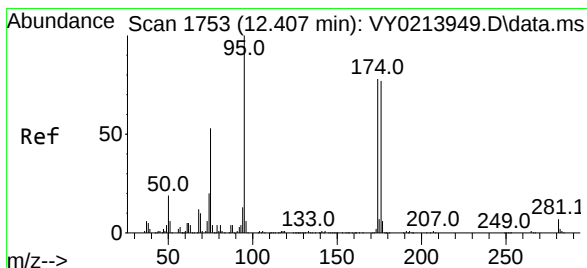
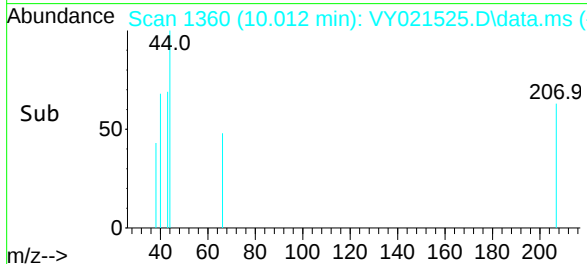
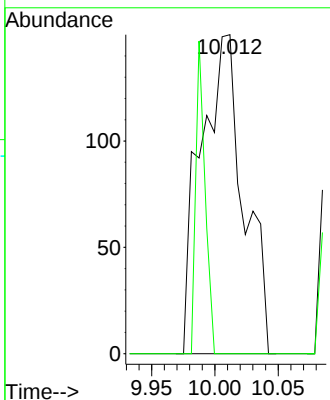
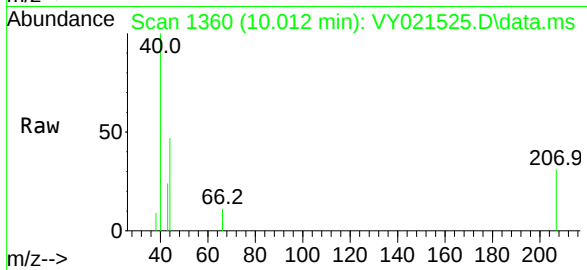




#51
4-Methyl-2-Pentanone
Concen: 1.483 ug/l
RT: 10.012 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY021525.D
Acq: 13 Mar 2025 15:08

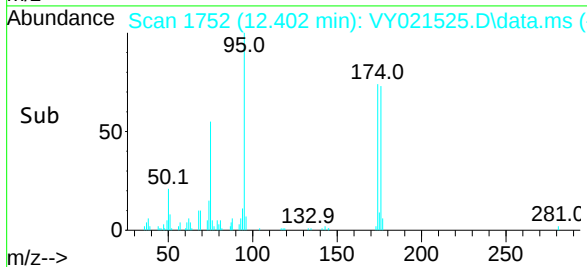
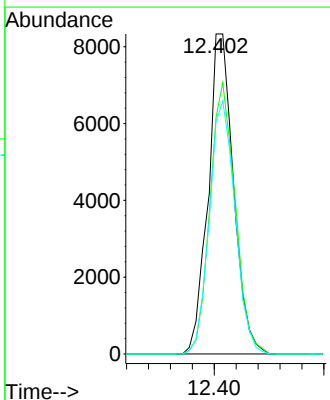
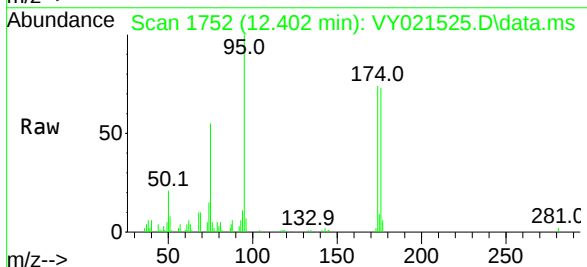
Instrument :
MSVOA_Y
ClientSampleId :
72-11978

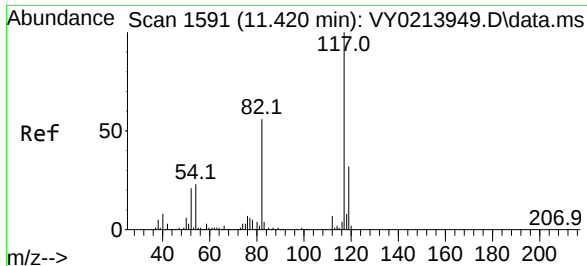
Tgt Ion: 43 Resp: 353
Ion Ratio Lower Upper
43 100
58 0.0 31.4 47.2#



#62
4-Bromofluorobenzene
Concen: 30.332 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021525.D
Acq: 13 Mar 2025 15:08

Tgt Ion: 95 Resp: 13422
Ion Ratio Lower Upper
95 100
174 84.0 0.0 165.0
176 79.8 0.0 160.0

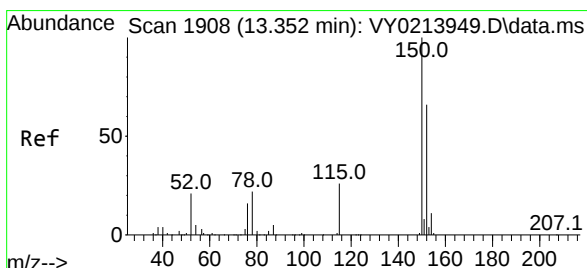
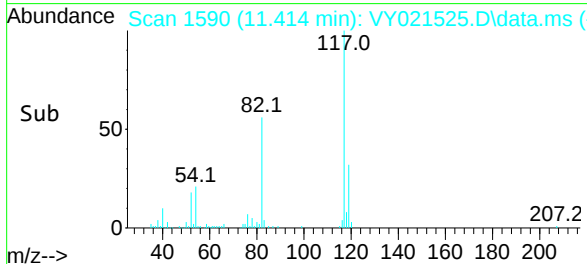
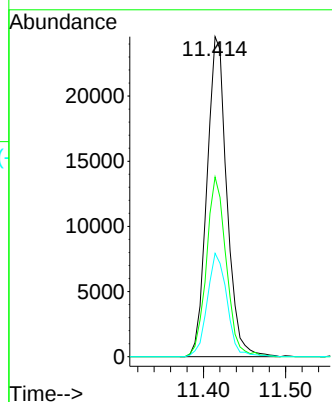
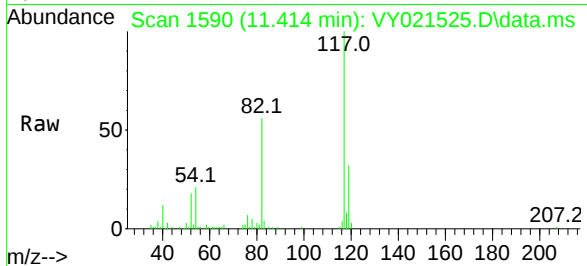




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021525.D
Acq: 13 Mar 2025 15:08

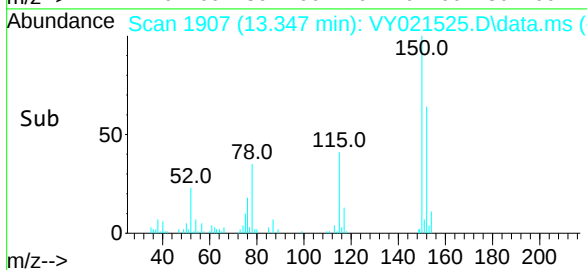
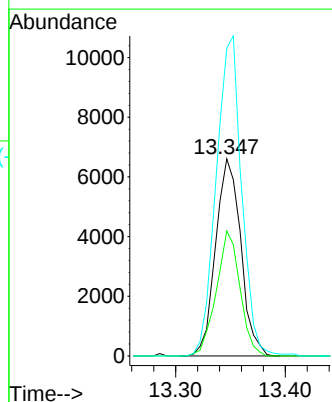
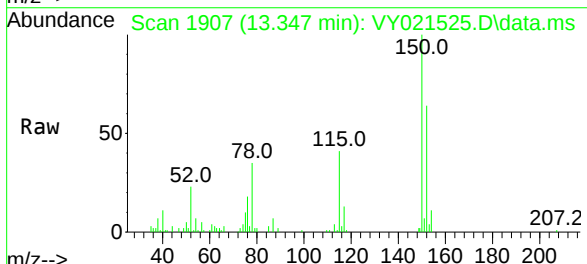
Instrument :
MSVOA_Y
ClientSampleId :
72-11978

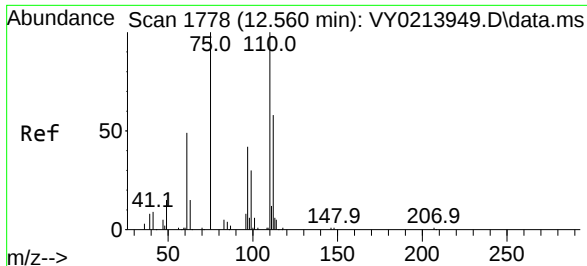
Tgt Ion:	117	Resp:	41188
Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.6	67.0
119	32.3	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021525.D
Acq: 13 Mar 2025 15:08

Tgt Ion:	152	Resp:	10544
Ion	Ratio	Lower	Upper
152	100		
115	59.7	29.0	87.0
150	164.2	0.0	347.2

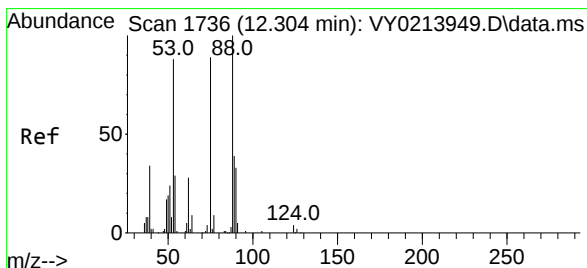
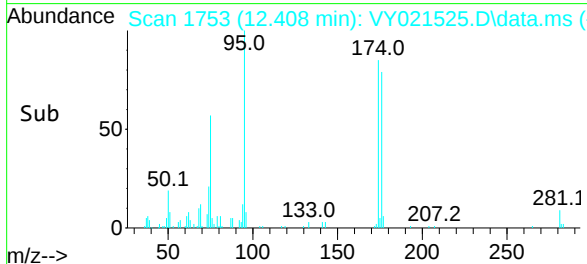
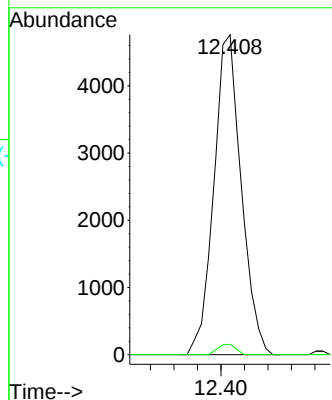
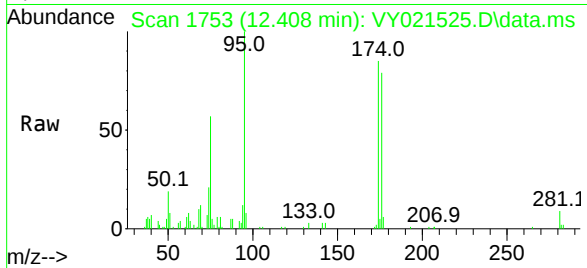




#76
 1,2,3-Trichloropropane
 Concen: 72.565 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021525.D
 Acq: 13 Mar 2025 15:08

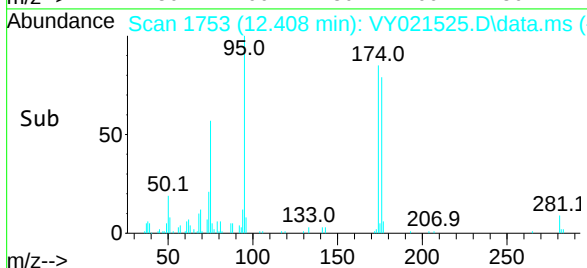
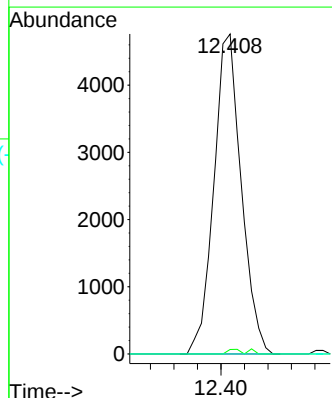
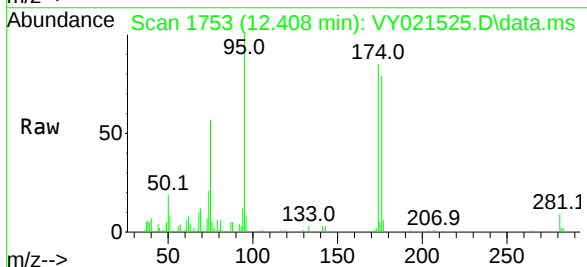
Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11978

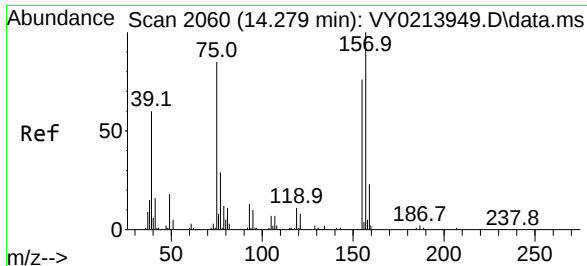
Tgt Ion: 75 Resp: 7710
 Ion Ratio Lower Upper
 75 100
 77 2.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 164.962 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY021525.D
 Acq: 13 Mar 2025 15:08

Tgt Ion: 75 Resp: 7710
 Ion Ratio Lower Upper
 75 100
 53 1.0 81.0 121.4#
 89 0.0 36.9 55.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.002 ug/l

RT: 14.316 min Scan# 2066

Delta R.T. 0.037 min

Lab File: VY021525.D

Acq: 13 Mar 2025 15:08

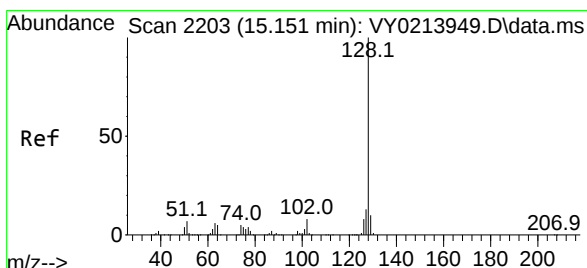
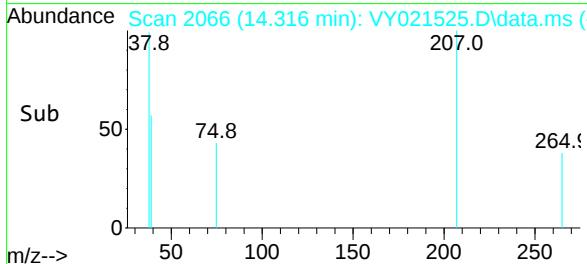
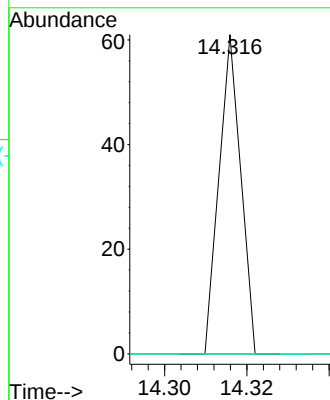
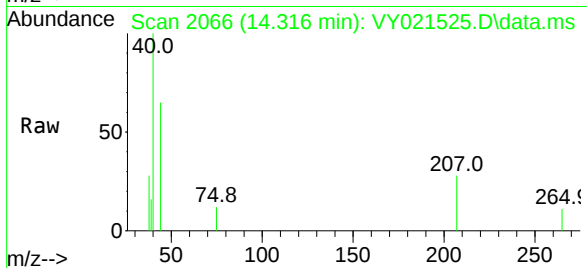
Instrument :

MSVOA_Y

ClientSampleId :

72-11978

Tgt Ion: 75	Resp:	22
Ion Ratio	Lower	Upper
75	100	
155	0.0	43.5 130.5#
157	0.0	54.4 163.2#



#95

Naphthalene

Concen: 1.935 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. -0.006 min

Lab File: VY021525.D

Acq: 13 Mar 2025 15:08

Tgt Ion: 128	Resp:	139
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.6 15.8#
129	0.0	8.6 13.0#

