

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031225\
 Data File : VY021510.D
 Acq On : 12 Mar 2025 15:33
 Operator : SY/MD
 Sample : Q1545-02
 Misc : 5.06g/5.4mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-02-031125

Quant Time: Mar 13 01:37:52 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)

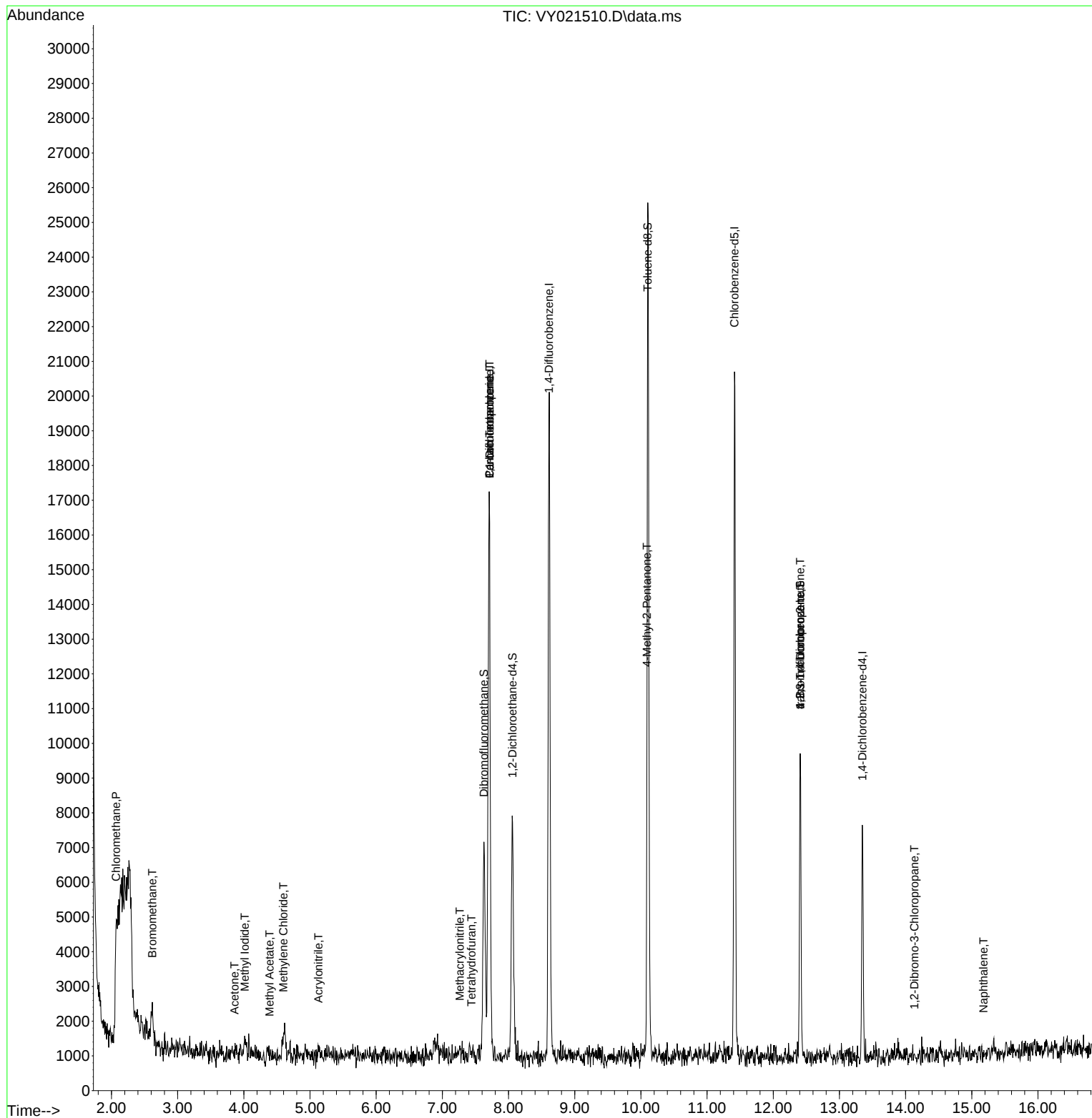
Internal Standards						
1) Pentafluorobenzene	7.713	168	11844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	15056	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	10388	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	1799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	5390	43.057	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.120%
35) Dibromofluoromethane	7.628	113	4677	47.259	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.520%
50) Toluene-d8	10.103	98	16008	42.721	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.440%
62) 4-Bromofluorobenzene	12.408	95	2598	20.382	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	40.760%
Target Compounds						Qvalue
3) Chloromethane	2.068	50	516	3.367	ug/l	95
5) Bromomethane	2.617	94	570	4.710	ug/l	90
10) Methyl Iodide	4.013	142	770	5.676	ug/l #	87
11) Tert butyl alcohol	4.818	59	19	Below Cal	#	72
15) Acrylonitrile	5.128	53	48	1.741	ug/l #	77
16) Acetone	3.860	43	272	9.962	ug/l #	47
18) Methyl Acetate	4.391	43	72	1.188	ug/l	93
20) Methylene Chloride	4.598	84	186	1.298	ug/l #	60
29) Tetrahydrofuran	7.439	42	53	2.273	ug/l #	33
36) 1,1-Dichloropropene	7.713	75	1146	7.398	ug/l #	44
38) Carbon Tetrachloride	7.713	117	1391	7.808	ug/l #	12
41) Methacrylonitrile	7.262	41	53	1.422	ug/l #	33
51) 4-Methyl-2-Pentanone	10.091	43	136	1.983	ug/l #	36
76) 1,2,3-Trichloropropane	12.408	75	1411	77.834	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	1411	176.942	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.133	75	18	4.805	ug/l #	1
95) Naphthalene	15.175	128	19	1.839	ug/l #	69

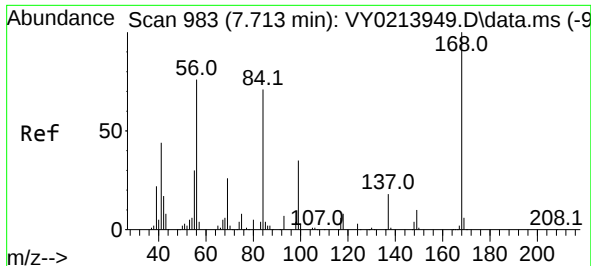
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031225\
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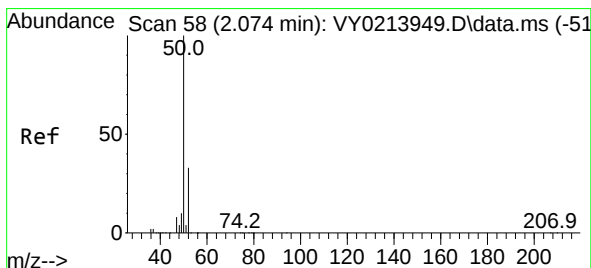
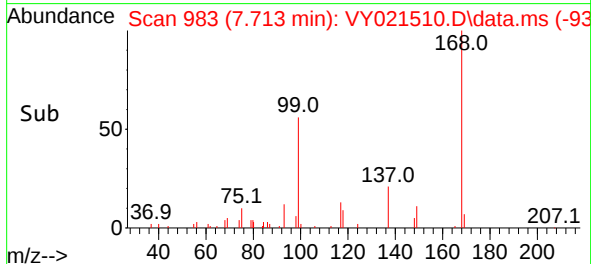
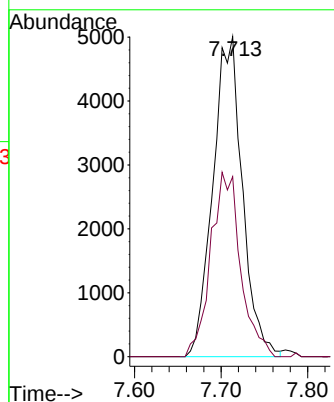
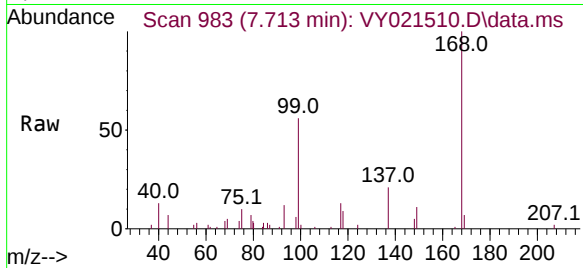




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021510.D
Acq: 12 Mar 2025 15:33

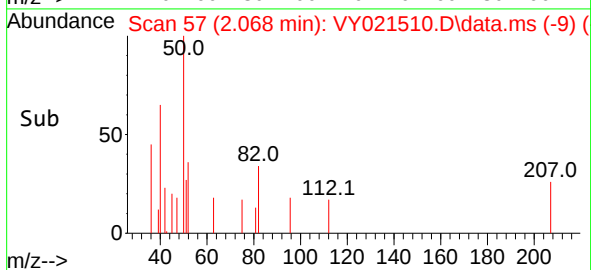
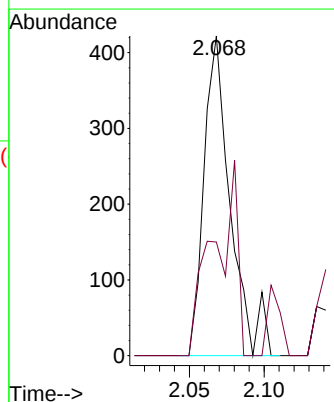
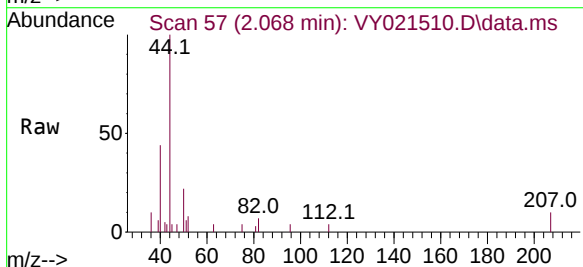
Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

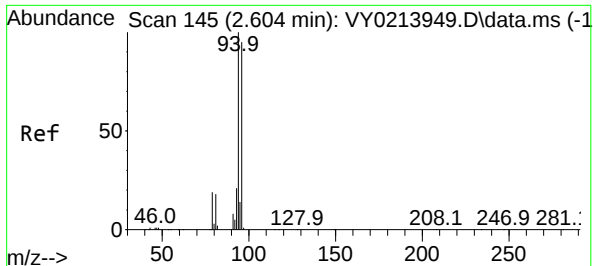
Tgt Ion:168 Resp: 11844
Ion Ratio Lower Upper
168 100
99 56.3 46.0 69.0



#3
Chloromethane
Concen: 3.367 ug/l
RT: 2.068 min Scan# 57
Delta R.T. -0.006 min
Lab File: VY021510.D
Acq: 12 Mar 2025 15:33

Tgt Ion: 50 Resp: 516
Ion Ratio Lower Upper
50 100
52 35.5 26.2 39.2

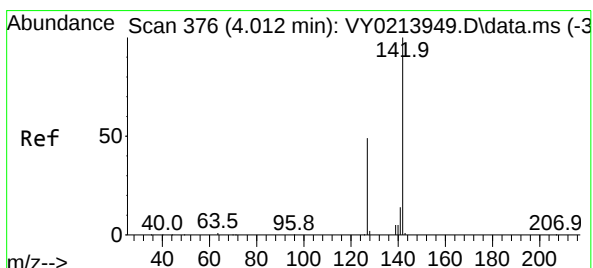
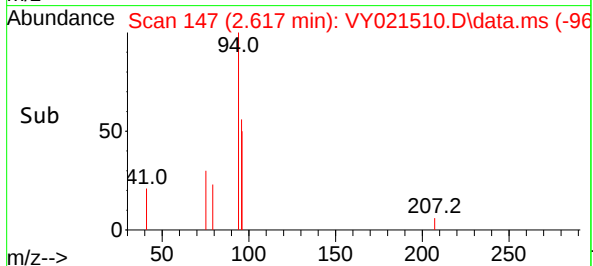
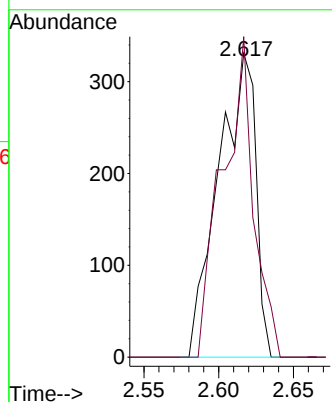
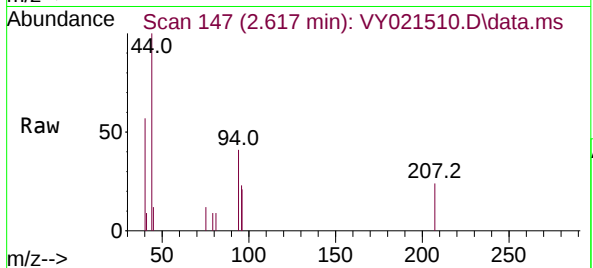




#5
Bromomethane
Concen: 4.710 ug/l
RT: 2.617 min Scan# 145
Delta R.T. 0.013 min
Lab File: VY021510.D
Acq: 12 Mar 2025 15:33

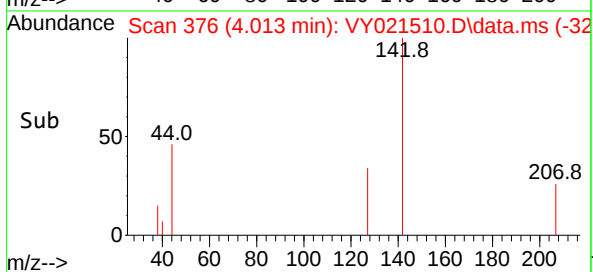
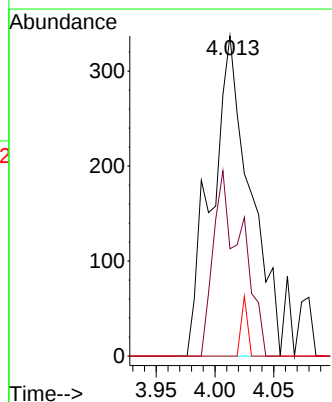
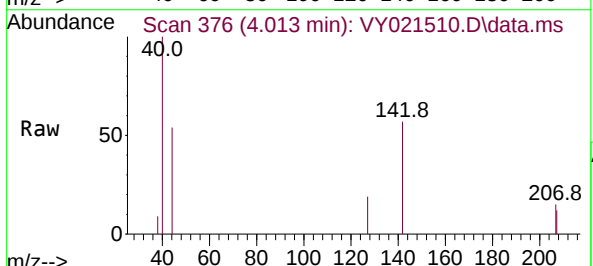
Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

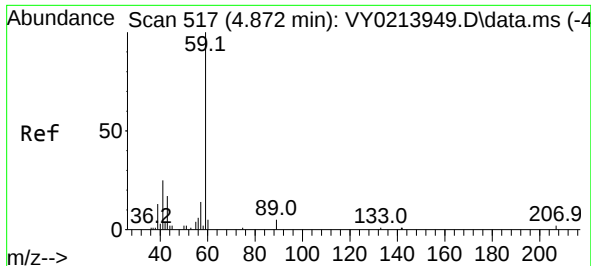
Tgt Ion: 94 Resp: 570
Ion Ratio Lower Upper
94 100
96 105.4 76.3 114.5



#10
Methyl Iodide
Concen: 5.676 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY021510.D
Acq: 12 Mar 2025 15:33

Tgt Ion: 142 Resp: 770
Ion Ratio Lower Upper
142 100
127 42.9 39.1 58.7
141 3.0 11.8 17.6#

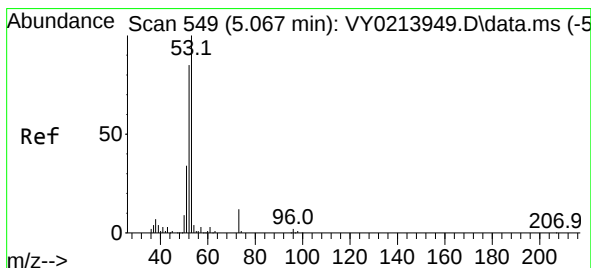
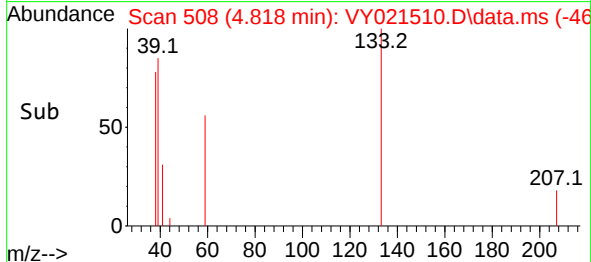
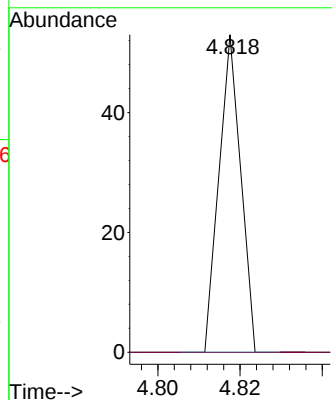
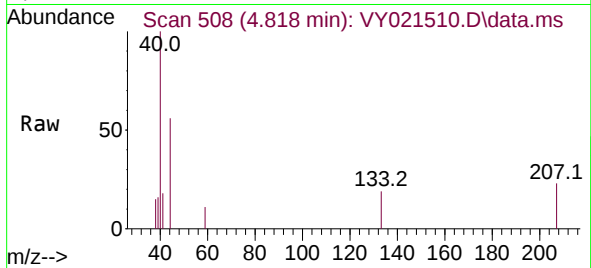




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.818 min Scan# 509
Delta R.T. -0.054 min
Lab File: VY021510.D
Acq: 12 Mar 2025 15:33

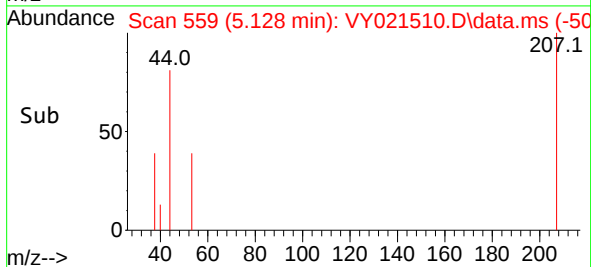
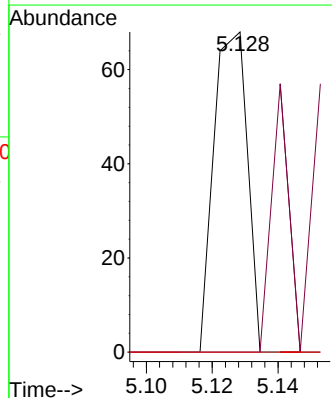
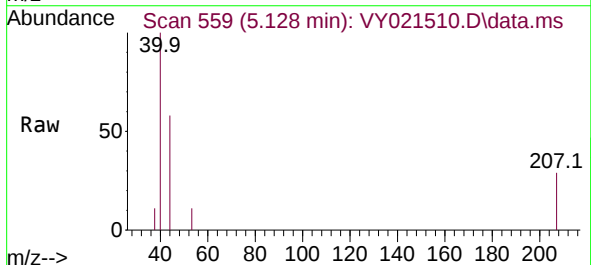
Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

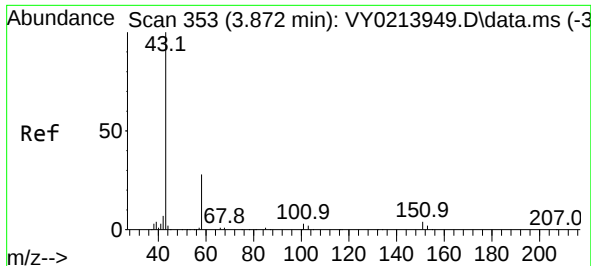
Tgt Ion: 59 Resp: 19
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#15
Acrylonitrile
Concen: 1.741 ug/l
RT: 5.128 min Scan# 559
Delta R.T. 0.061 min
Lab File: VY021510.D
Acq: 12 Mar 2025 15:33

Tgt Ion: 53 Resp: 48
Ion Ratio Lower Upper
53 100
52 87.5 66.3 99.5
51 0.0 30.3 45.5#

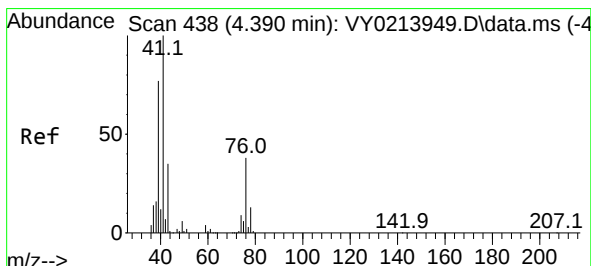
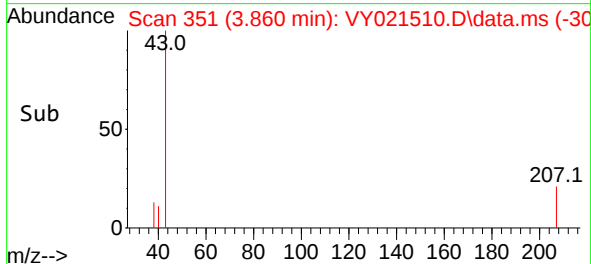
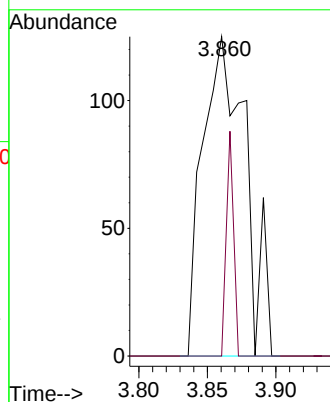
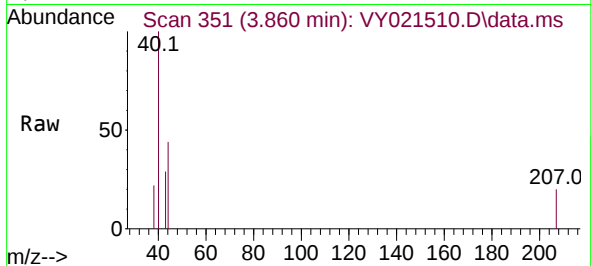




#16
Acetone
Concen: 9.962 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY021510.D
Acq: 12 Mar 2025 15:33

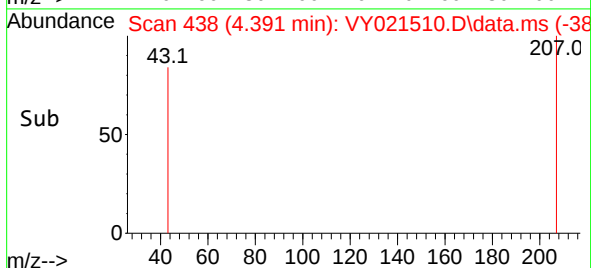
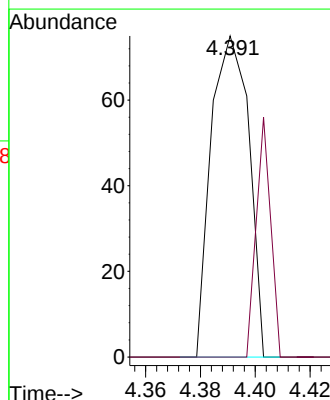
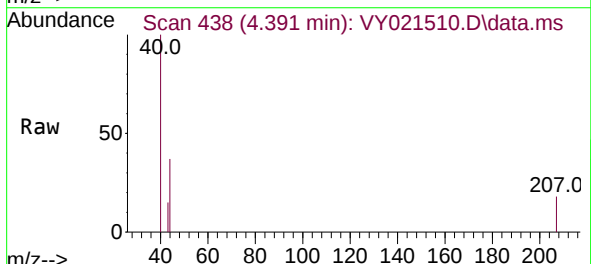
Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

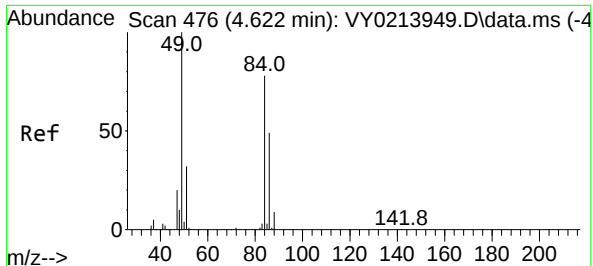
Tgt Ion: 43 Resp: 272
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#18
Methyl Acetate
Concen: 1.188 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY021510.D
Acq: 12 Mar 2025 15:33

Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
74 27.8 19.4 29.0

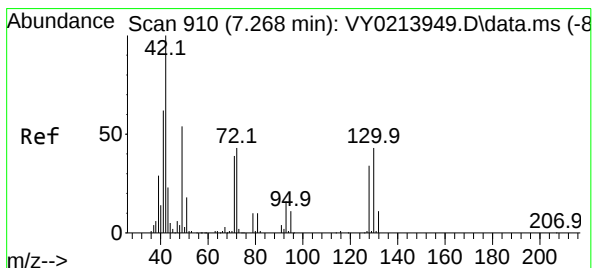
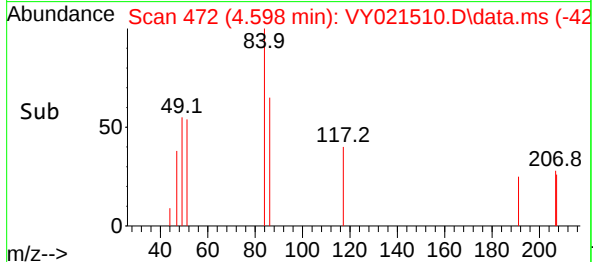
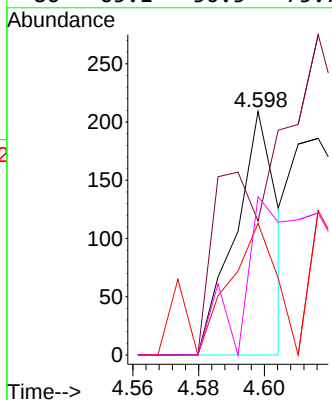
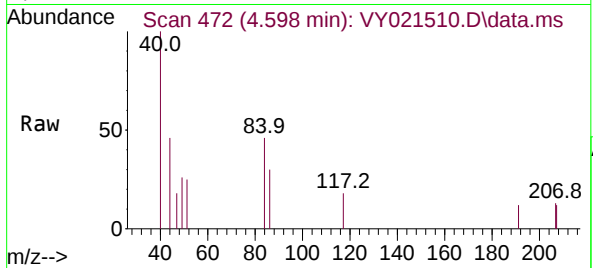




#20
Methylene Chloride
Concen: 1.298 ug/l
RT: 4.598 min Scan# 41
Delta R.T. -0.024 min
Lab File: VY021510.D
Acq: 12 Mar 2025 15:33

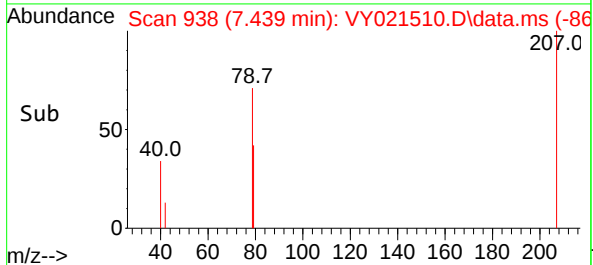
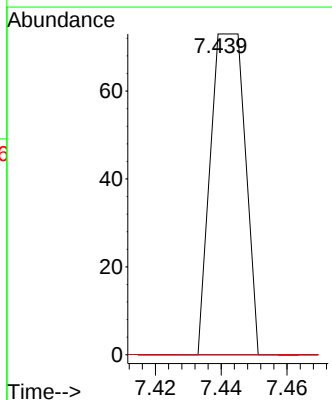
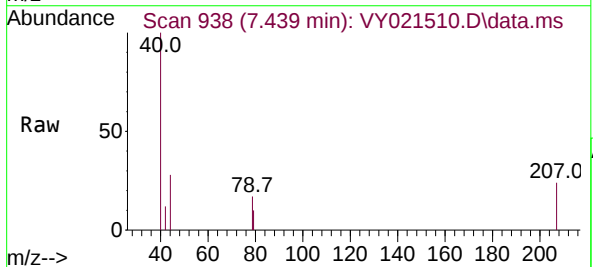
Instrument :
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ClientSampleId :
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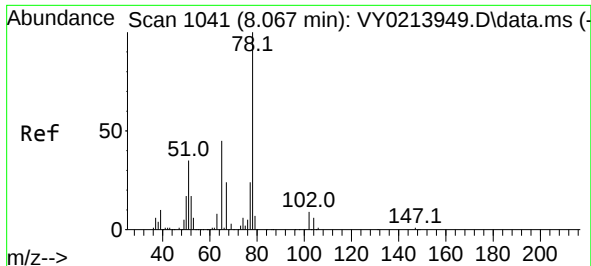
Tgt Ion:	84	Resp:	186
Ion	Ratio	Lower	Upper
84	100		
49	55.0	102.0	153.0#
51	23.0	33.0	49.6#
86	65.1	50.5	75.7



#29
Tetrahydrofuran
Concen: 2.273 ug/l
RT: 7.439 min Scan# 938
Delta R.T. 0.171 min
Lab File: VY021510.D
Acq: 12 Mar 2025 15:33

Tgt Ion:	42	Resp:	53
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.8	52.2#
71	0.0	32.6	48.8#





#33

1,2-Dichloroethane-d4

Concen: 43.057 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021510.D

Acq: 12 Mar 2025 15:33

Instrument :

MSVOA_Y

ClientSampleId :

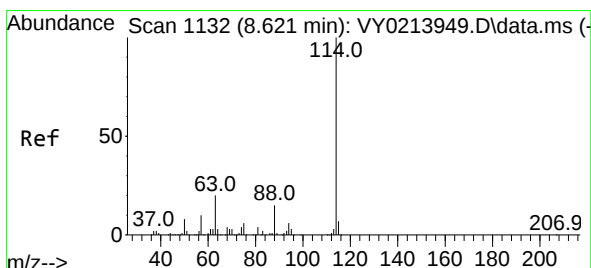
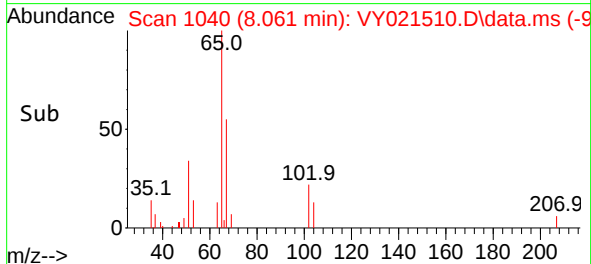
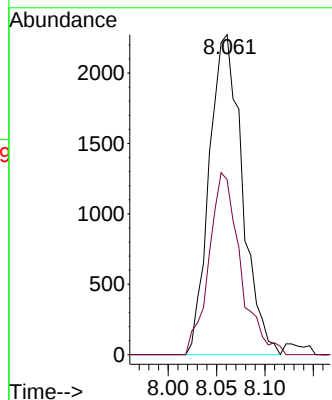
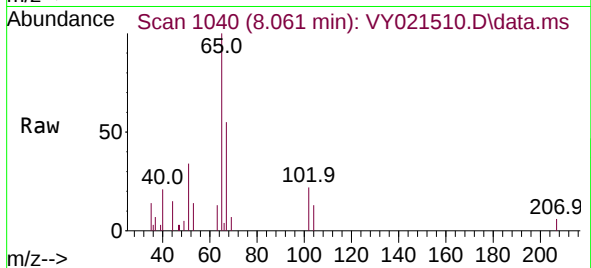
BU-02-031125

Tgt Ion: 65 Resp: 5390

Ion Ratio Lower Upper

65 100

67 54.3 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.012 min

Lab File: VY021510.D

Acq: 12 Mar 2025 15:33

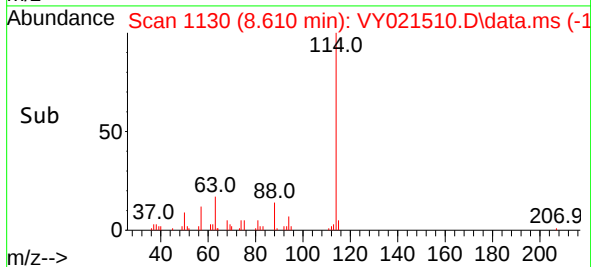
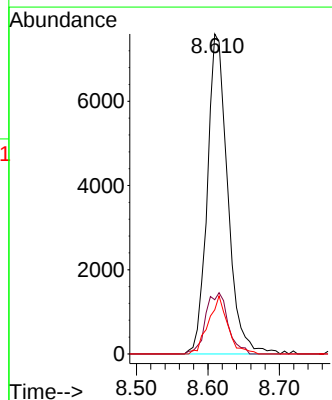
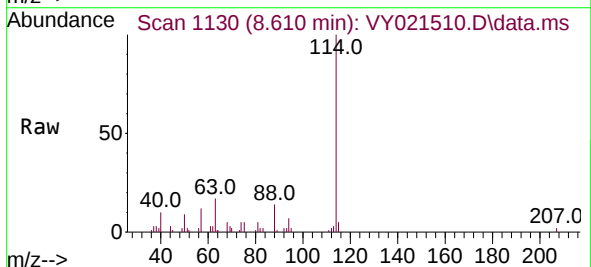
Tgt Ion: 114 Resp: 15056

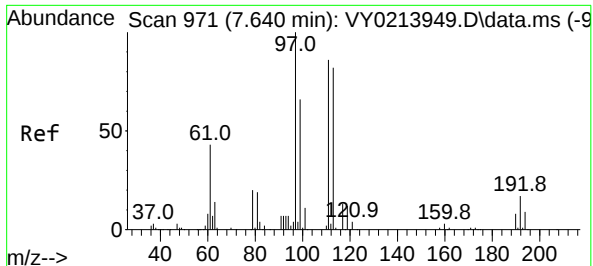
Ion Ratio Lower Upper

114 100

63 17.0 0.0 40.8

88 13.8 0.0 30.8

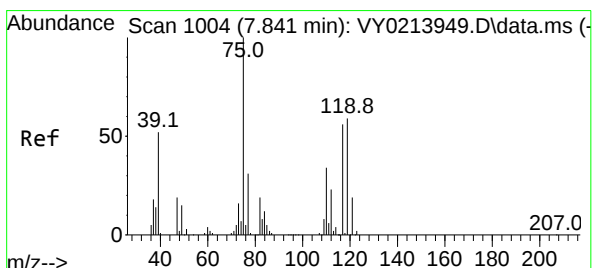
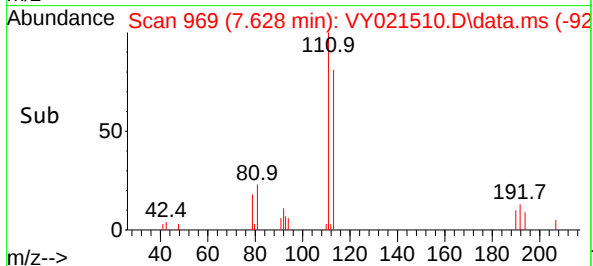
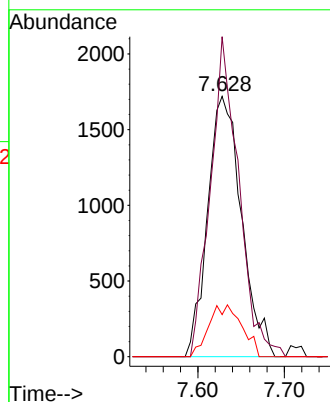
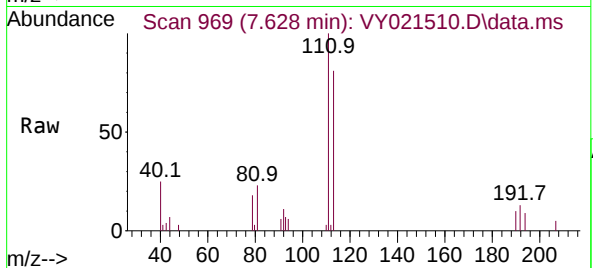




#35
Dibromofluoromethane
Concen: 47.259 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY021510.D
Acq: 12 Mar 2025 15:33

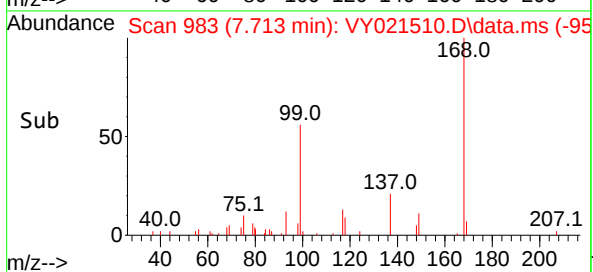
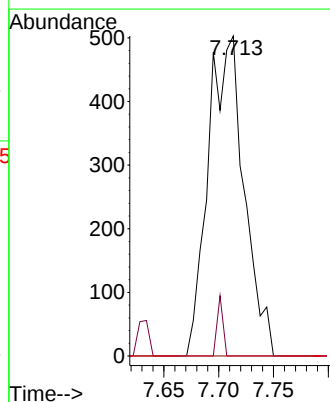
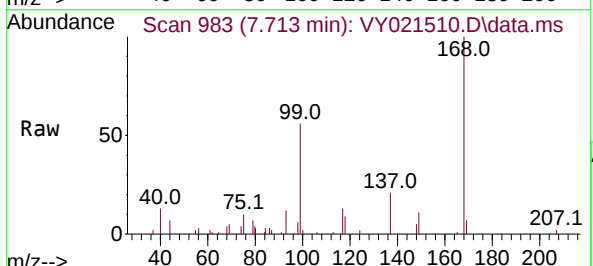
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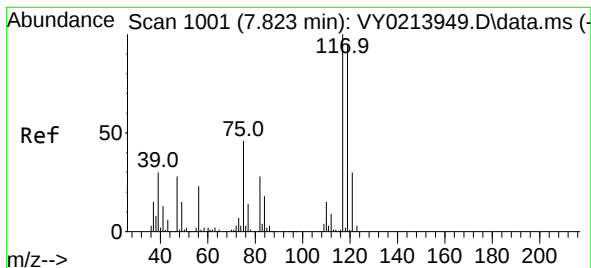
Tgt Ion:	113	Resp:	4677
Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.0	123.0
192	19.4	15.9	23.9



#36
1,1-Dichloropropene
Concen: 7.398 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY021510.D
Acq: 12 Mar 2025 15:33

Tgt Ion:	75	Resp:	1146
Ion	Ratio	Lower	Upper
75	100		
110	3.1	17.3	51.7#
77	0.0	25.4	38.2#





#38

Carbon Tetrachloride

Concen: 7.808 ug/l

RT: 7.713 min Scan# 911

Delta R.T. -0.109 min

Lab File: VY021510.D

Acq: 12 Mar 2025 15:33

Instrument :

MSVOA_Y

ClientSampleId :

BU-02-031125

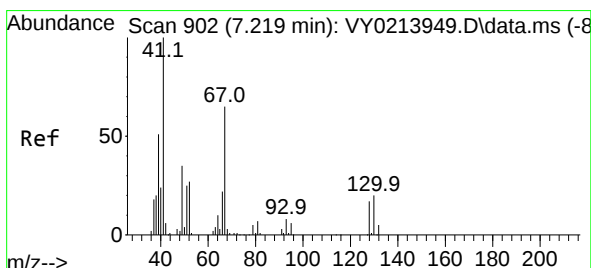
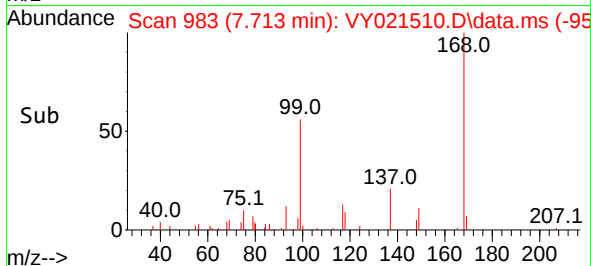
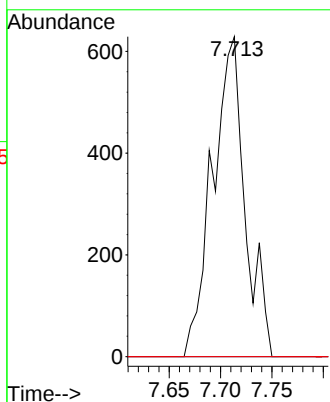
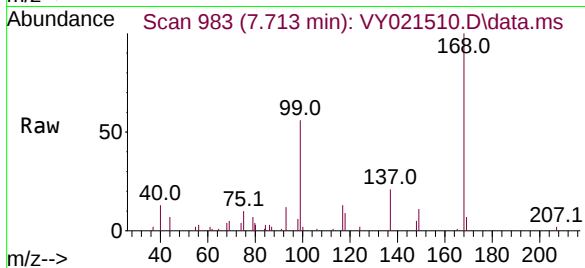
Tgt Ion:117 Resp: 1391

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

121 0.0 23.9 35.9#



#41

Methacrylonitrile

Concen: 1.422 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.043 min

Lab File: VY021510.D

Acq: 12 Mar 2025 15:33

Tgt Ion: 41 Resp: 53

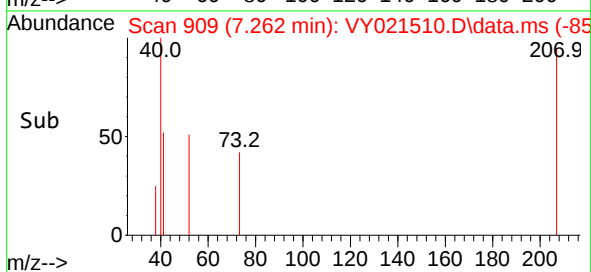
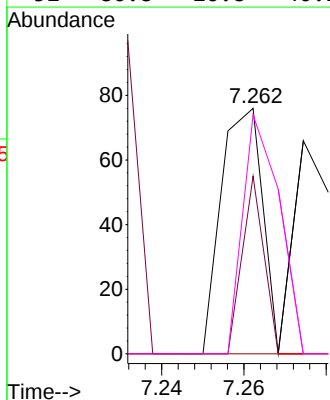
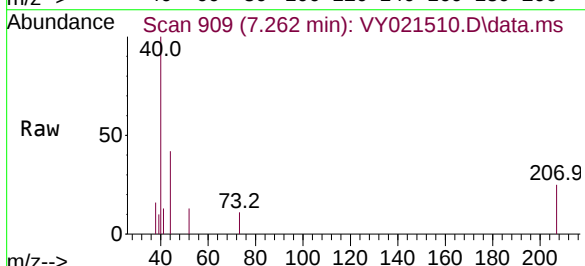
Ion Ratio Lower Upper

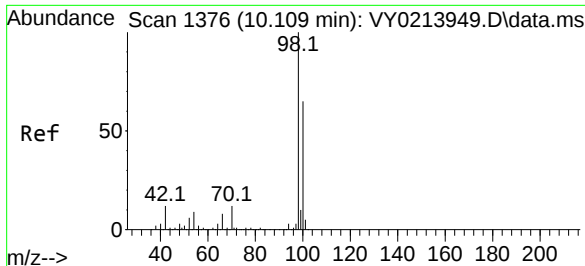
41 100

39 37.7 35.0 52.6

67 0.0 61.2 91.8#

52 86.8 26.8 40.2#

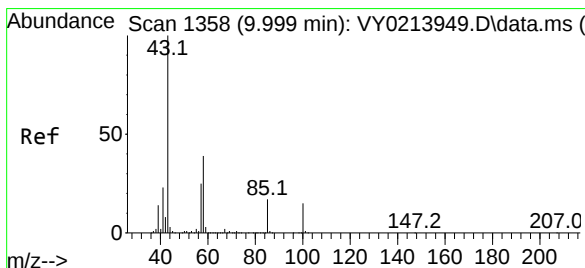
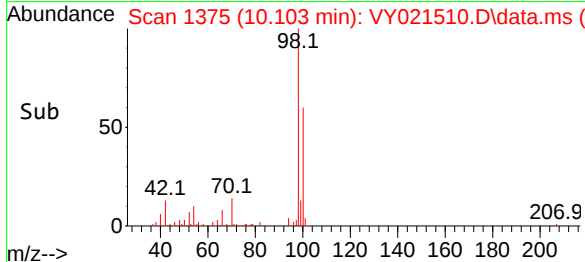
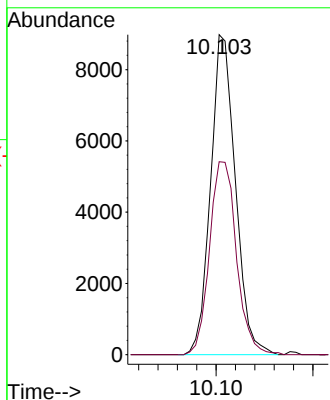
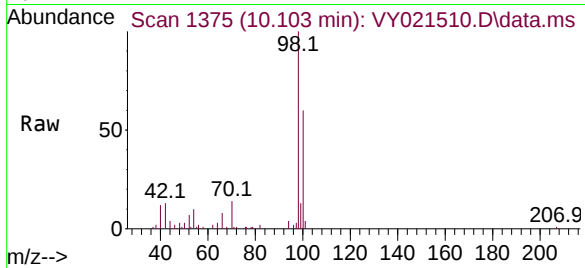




#50
Toluene-d8
Concen: 42.721 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021510.D
Acq: 12 Mar 2025 15:33

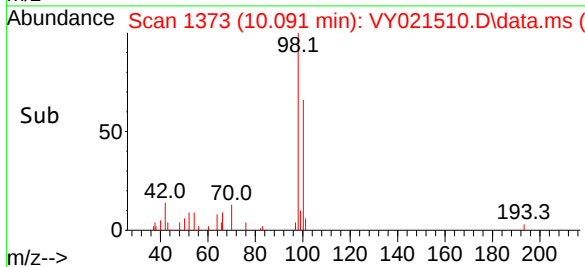
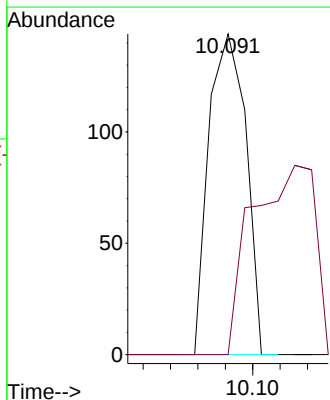
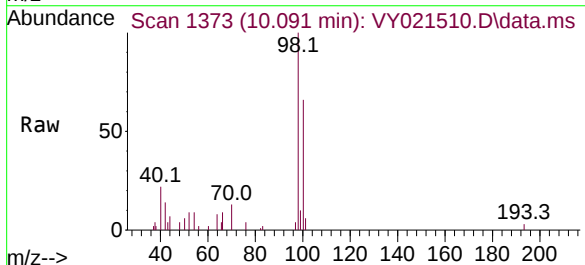
Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

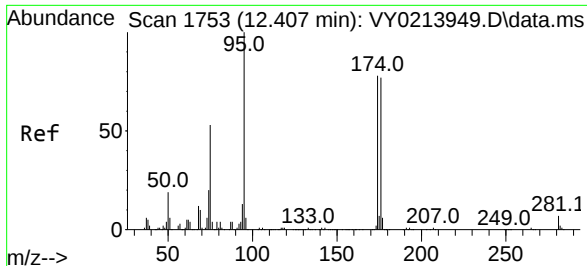
Tgt Ion: 98 Resp: 16008
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.983 ug/l
RT: 10.091 min Scan# 1373
Delta R.T. 0.092 min
Lab File: VY021510.D
Acq: 12 Mar 2025 15:33

Tgt Ion: 43 Resp: 136
Ion Ratio Lower Upper
43 100
58 0.0 31.4 47.2#

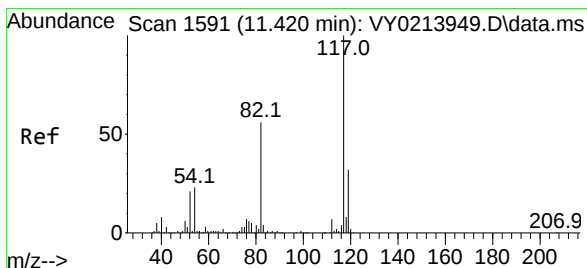
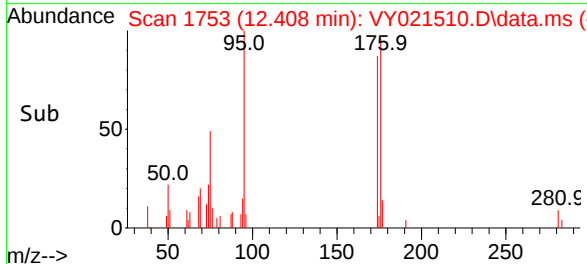
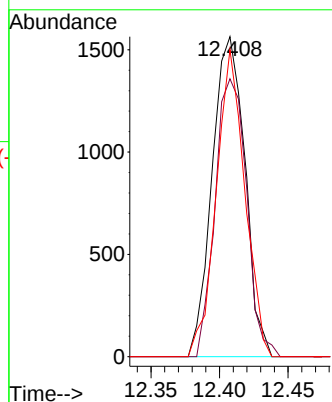
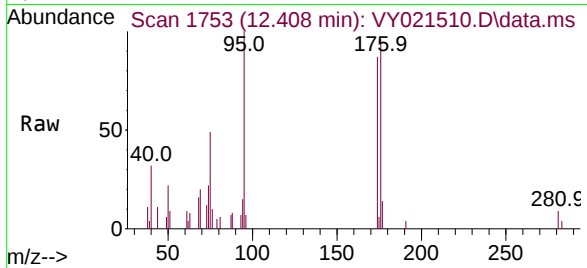




#62
4-Bromofluorobenzene
Concen: 20.382 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021510.D
Acq: 12 Mar 2025 15:33

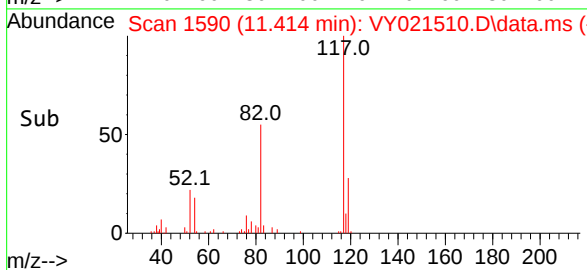
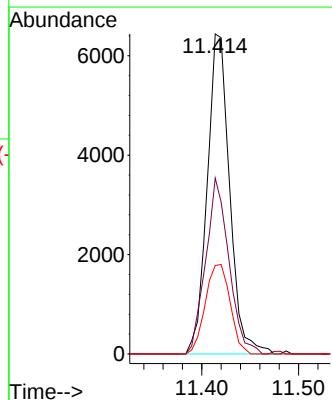
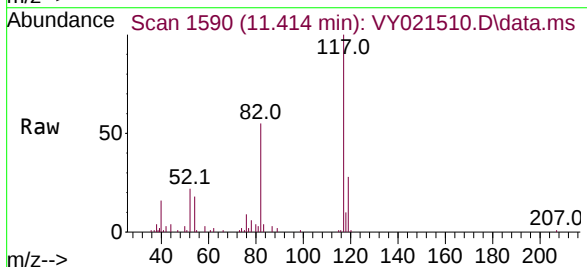
Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

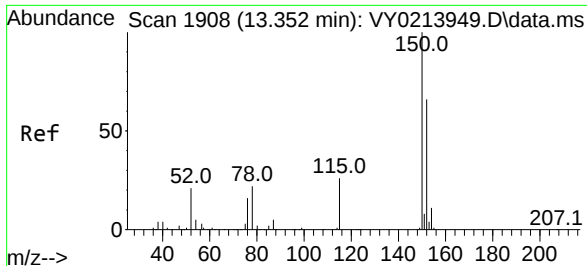
Tgt Ion:	95	Resp:	2598
Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	165.0
176	83.9	0.0	160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021510.D
Acq: 12 Mar 2025 15:33

Tgt Ion:	117	Resp:	10388
Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.6	67.0
119	27.7	25.4	38.0

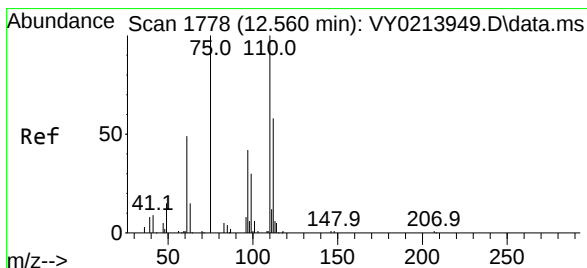
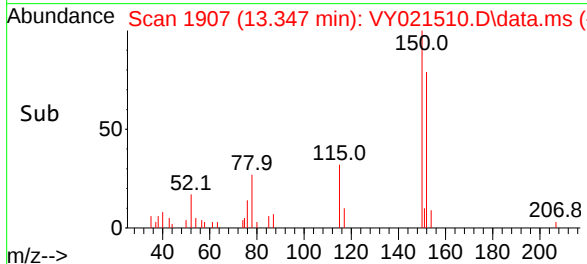
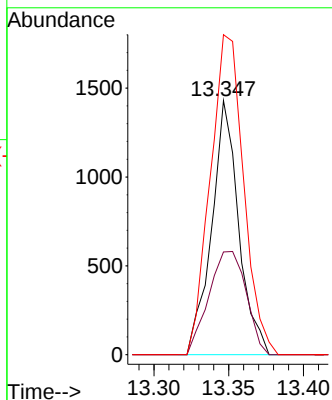
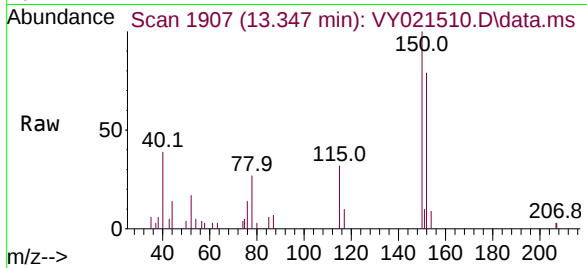




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021510.D
 Acq: 12 Mar 2025 15:33

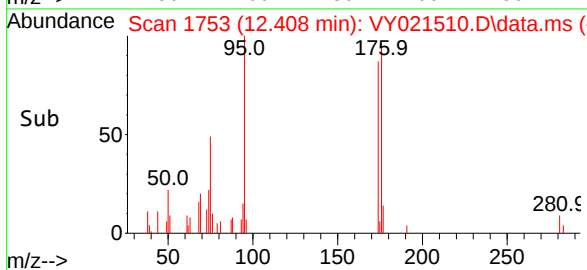
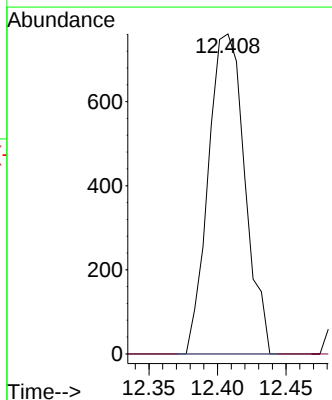
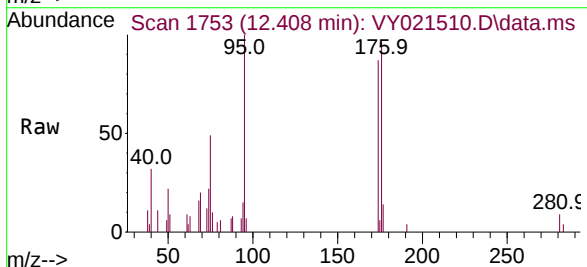
Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-02-031125

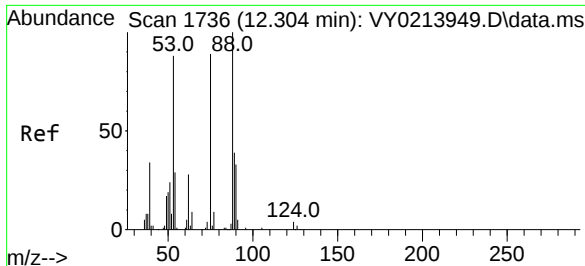
Tgt Ion:152 Resp: 1799
 Ion Ratio Lower Upper
 152 100
 115 56.0 29.0 87.0
 150 155.1 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 77.834 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021510.D
 Acq: 12 Mar 2025 15:33

Tgt Ion: 75 Resp: 1411
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

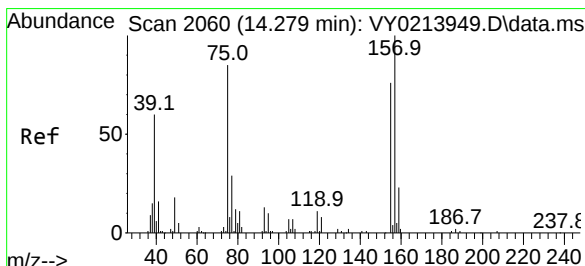
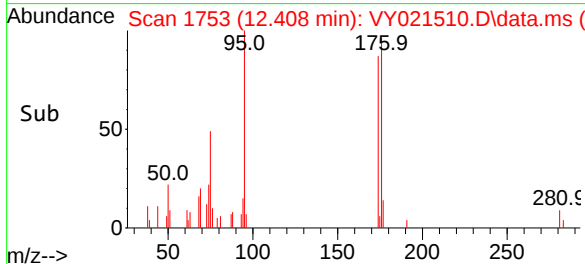
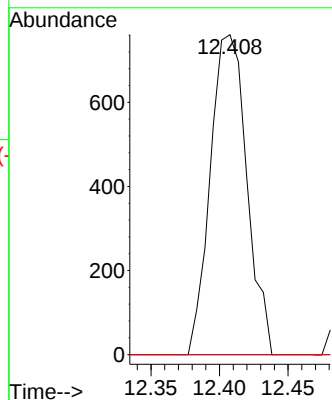
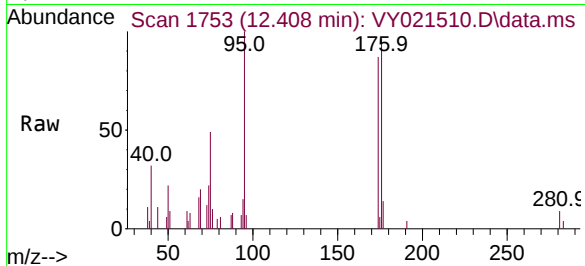




#81
trans-1,4-Dichloro-2-butene
Concen: 176.942 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021510.D
Acq: 12 Mar 2025 15:33

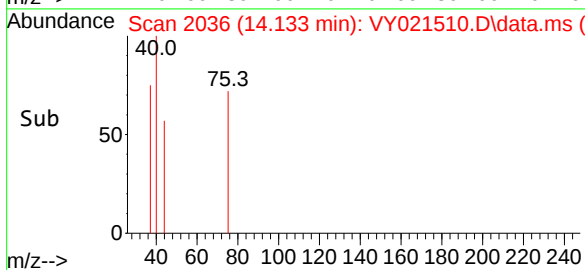
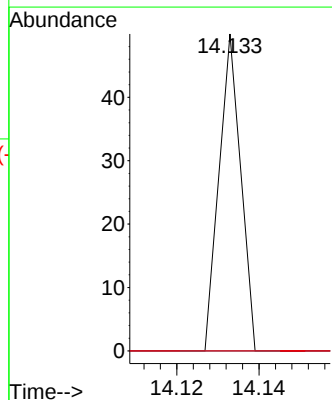
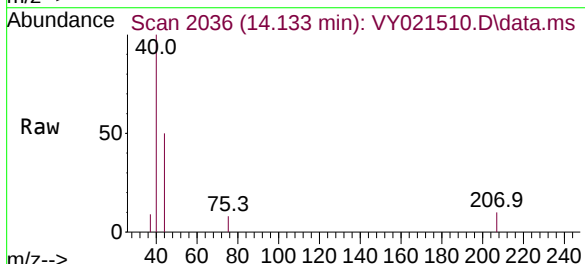
Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

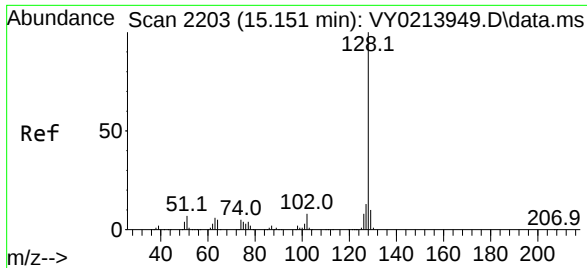
Tgt Ion: 75 Resp: 1411
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.4#
89 0.0 36.9 55.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.805 ug/l
RT: 14.133 min Scan# 2036
Delta R.T. -0.146 min
Lab File: VY021510.D
Acq: 12 Mar 2025 15:33

Tgt Ion: 75 Resp: 18
Ion Ratio Lower Upper
75 100
155 0.0 43.5 130.5#
157 0.0 54.4 163.2#





#95

Naphthalene

Concen: 1.839 ug/l

RT: 15.175 min Scan# 21

Delta R.T. 0.024 min

Lab File: VY021510.D

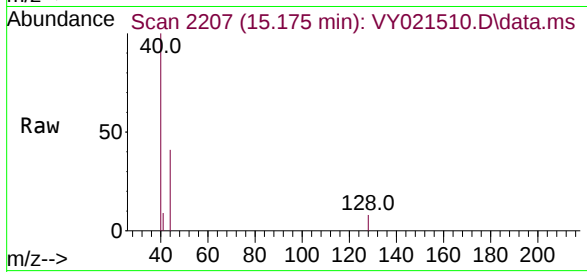
Acq: 12 Mar 2025 15:33

Instrument :

MSVOA_Y

ClientSampleId :

BU-02-031125



Tgt Ion:128 Resp: 19

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 13.0#

