

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
 Data File : VY021335.D
 Acq On : 26 Feb 2025 16:37
 Operator : SY/MD
 Sample : Q1415-02
 Misc : 6.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-172-SB01

Quant Time: Feb 27 00:39:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

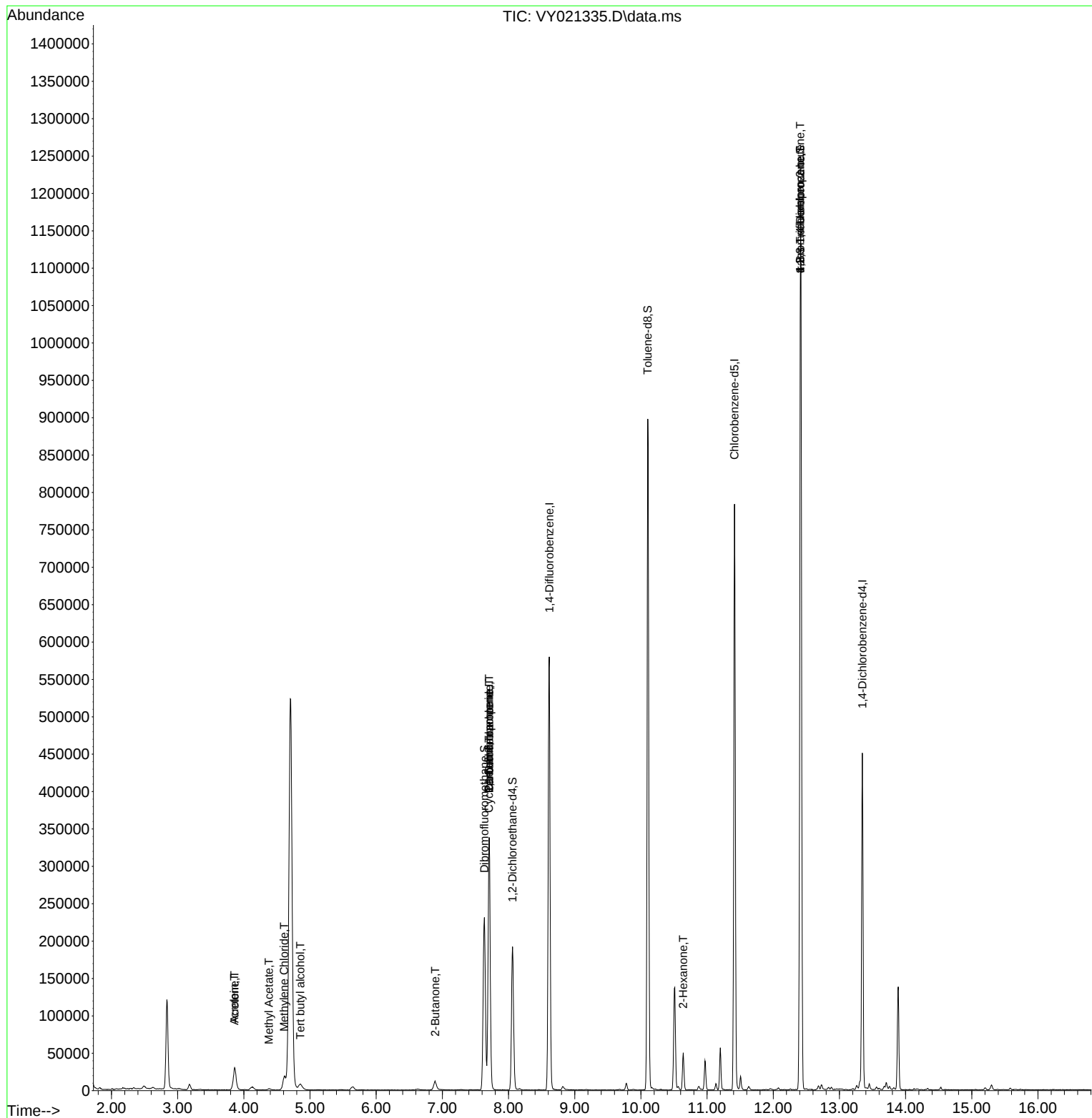
Internal Standards						
1) Pentafluorobenzene	7.707	168	249275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	482876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	393781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	105850	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151894	53.714	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.420%			
35) Dibromofluoromethane	7.634	113	161939	51.153	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.300%			
50) Toluene-d8	10.103	98	564176	46.112	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.220%			
62) 4-Bromofluorobenzene	12.408	95	145923	35.439	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 70.880%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.854	59	14036	64.530	ug/l	100
13) Acrolein	3.854	56	2875	17.249	ug/l #	83
16) Acetone	3.860	43	40345	74.377	ug/l	94
18) Methyl Acetate	4.379	43	3594	2.711	ug/l	94
20) Methylene Chloride	4.610	84	10236	3.490	ug/l	95
25) 2-Butanone	6.890	43	4452	5.438	ug/l #	85
31) Cyclohexane	7.701	56	5985	1.200	ug/l #	18
36) 1,1-Dichloropropene	7.707	75	20686	4.350	ug/l #	51
38) Carbon Tetrachloride	7.707	117	26106	4.883	ug/l #	16
59) 2-Hexanone	10.640	43	18926	12.296	ug/l #	29
76) 1,2,3-Trichloropropane	12.408	75	87611	82.691	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	87611	183.792	ug/l #	12

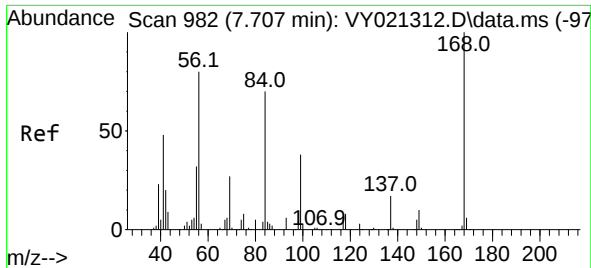
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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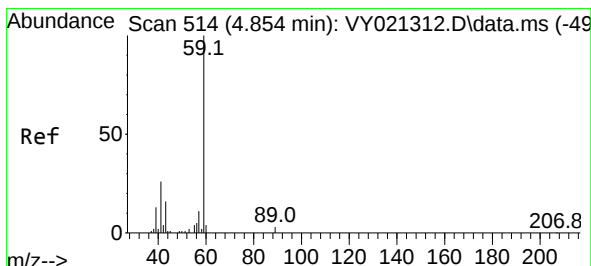
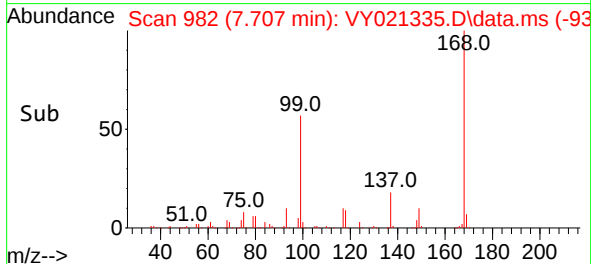
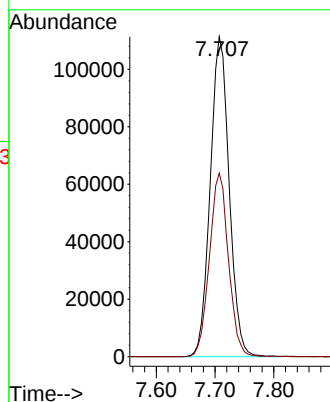
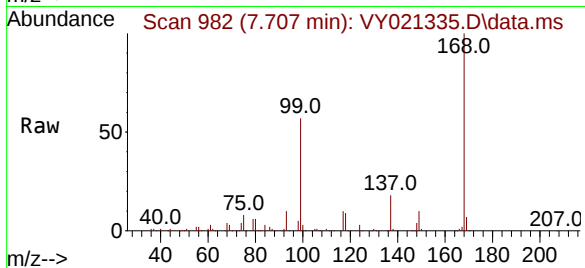




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

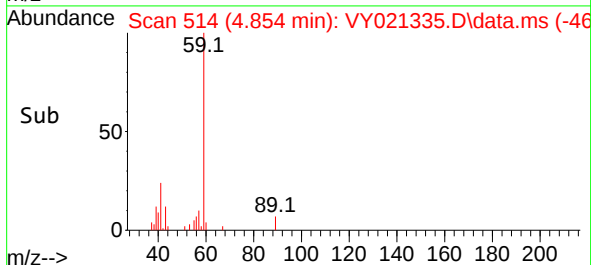
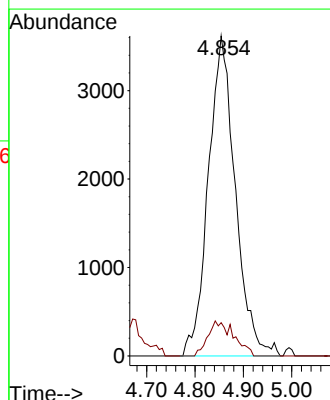
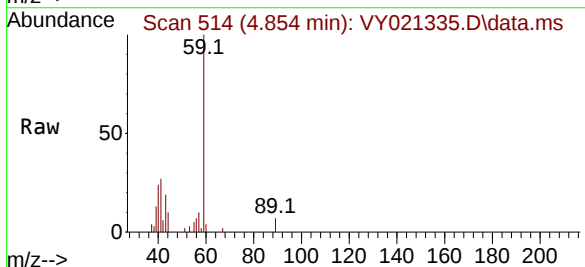
Instrument :
MSVOA_Y
ClientSampleId :
B-172-SB01

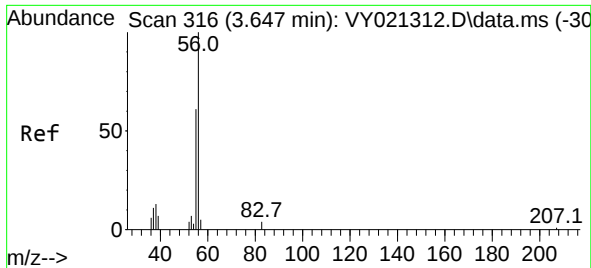
Tgt Ion:168 Resp: 249275
Ion Ratio Lower Upper
168 100
99 57.4 47.1 70.7



#11
Tert butyl alcohol
Concen: 64.530 ug/l
RT: 4.854 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

Tgt Ion: 59 Resp: 14036
Ion Ratio Lower Upper
59 100
57 10.5 8.3 12.5

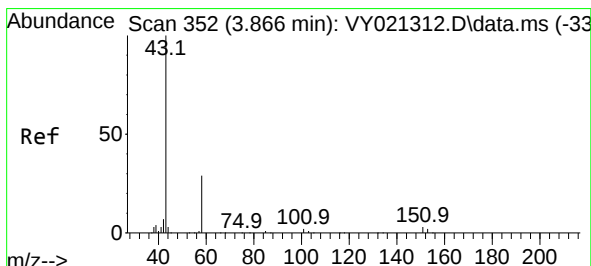
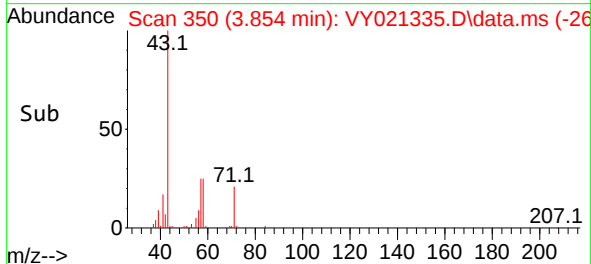
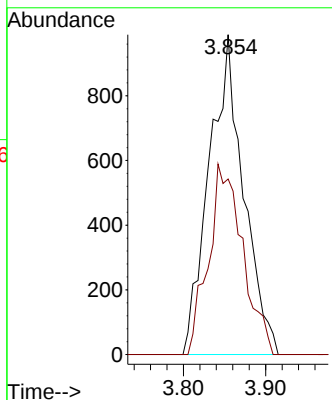
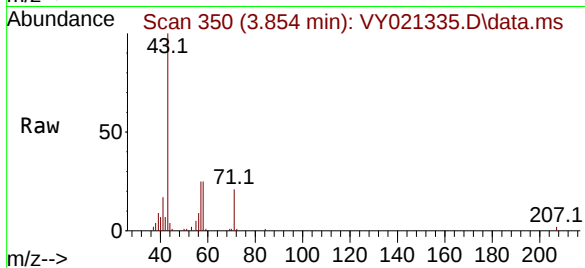




#13
Acrolein
Concen: 17.249 ug/l
RT: 3.854 min Scan# 316
Delta R.T. 0.207 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

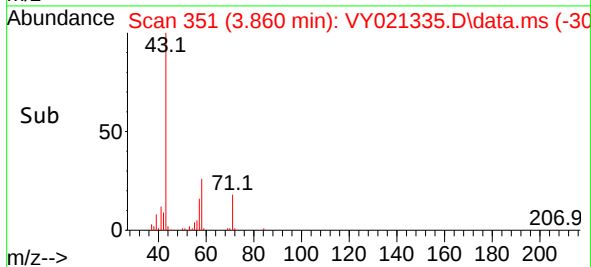
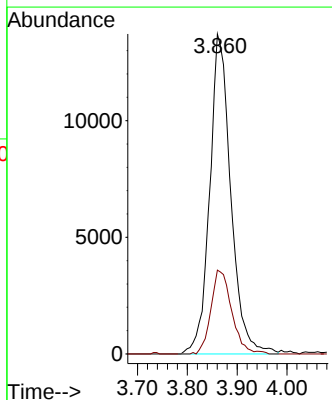
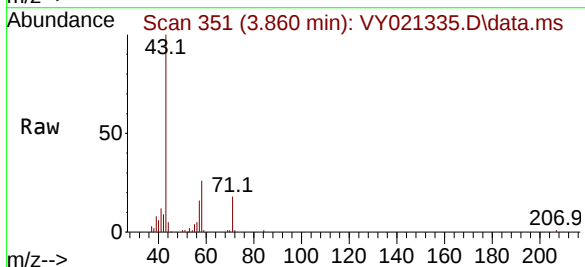
Instrument :
MSVOA_Y
ClientSampleId :
B-172-SB01

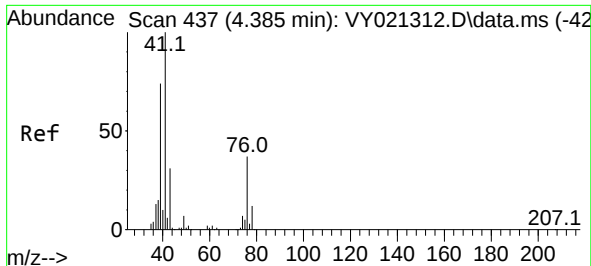
Tgt Ion: 56 Resp: 2875
Ion Ratio Lower Upper
56 100
55 59.0 59.0 88.6#



#16
Acetone
Concen: 74.377 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.006 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

Tgt Ion: 43 Resp: 40345
Ion Ratio Lower Upper
43 100
58 26.2 23.5 35.3

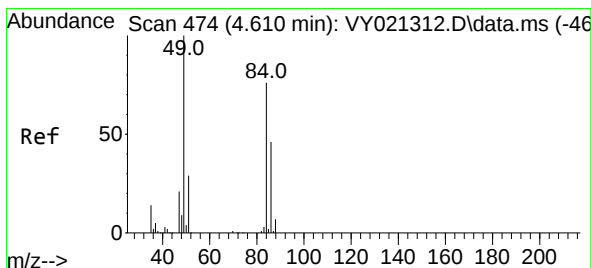
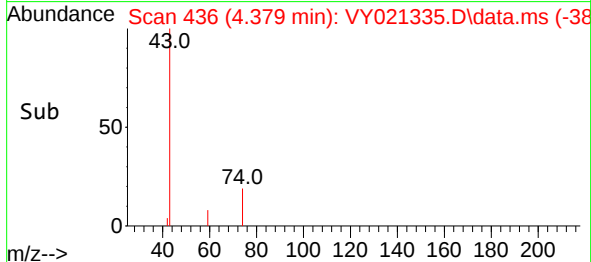
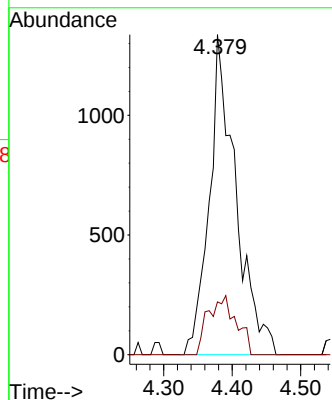
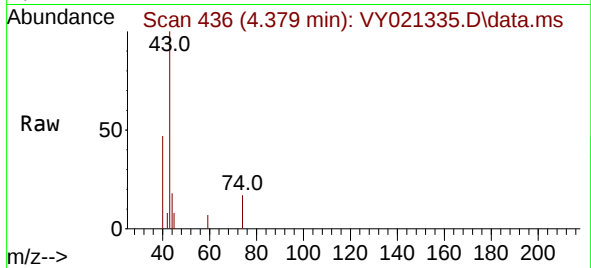




#18
Methyl Acetate
Concen: 2.711 ug/l
RT: 4.379 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

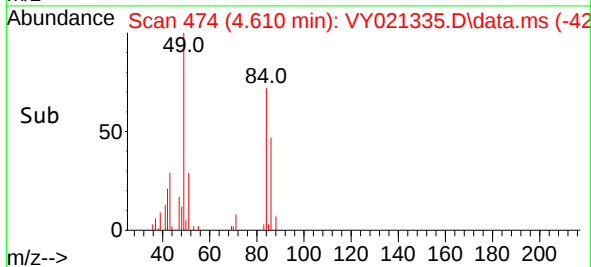
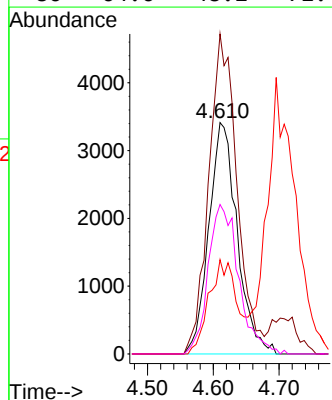
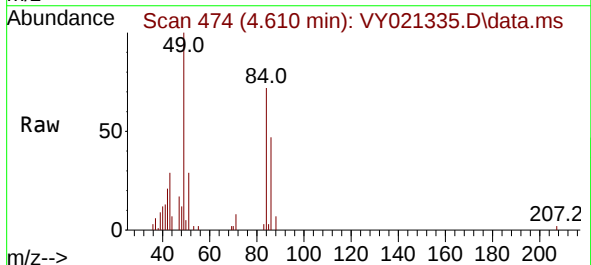
Instrument :
MSVOA_Y
ClientSampleId :
B-172-SB01

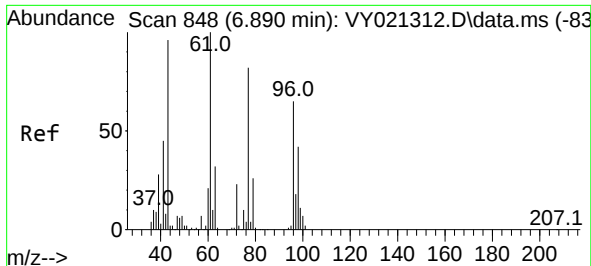
Tgt Ion: 43 Resp: 3594
Ion Ratio Lower Upper
43 100
74 19.4 17.7 26.5



#20
Methylene Chloride
Concen: 3.490 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

Tgt Ion: 84 Resp: 10236
Ion Ratio Lower Upper
84 100
49 138.3 105.1 157.7
51 40.7 31.0 46.4
86 64.6 48.2 72.4

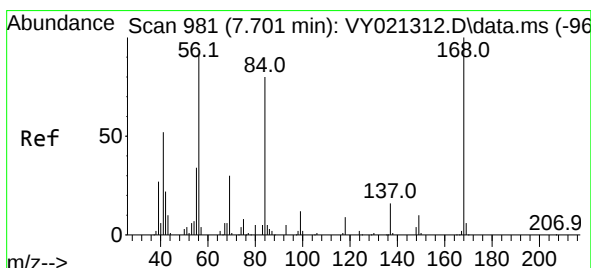
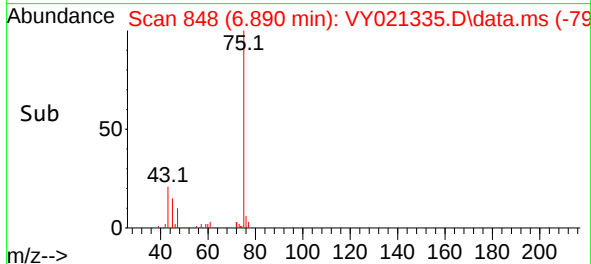
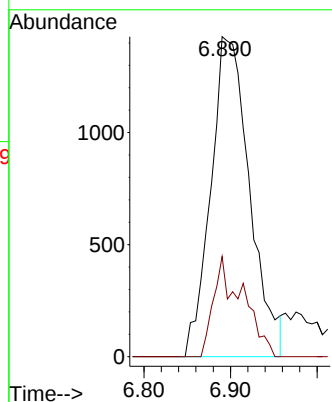
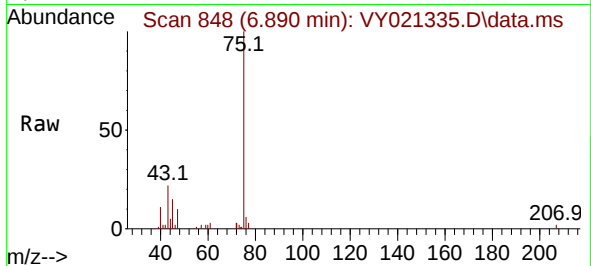




#25
2-Butanone
Concen: 5.438 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

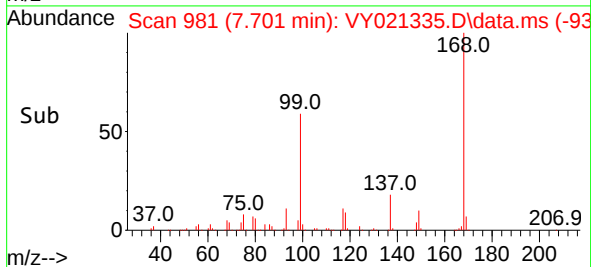
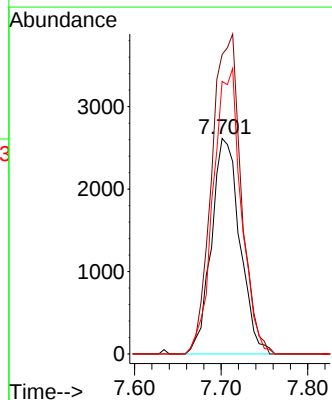
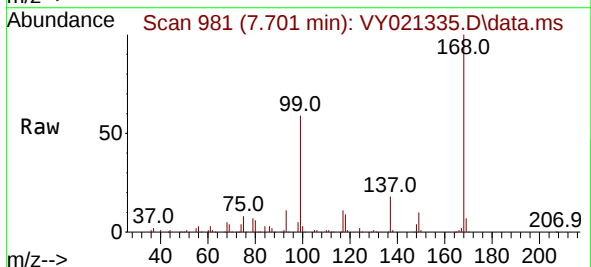
Instrument :
MSVOA_Y
ClientSampleId :
B-172-SB01

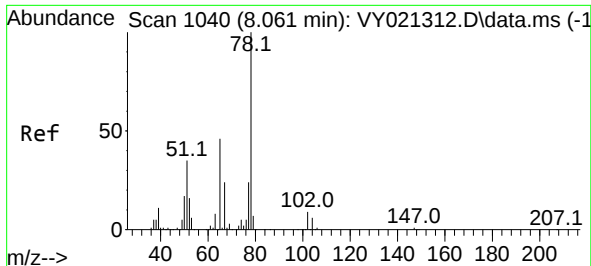
Tgt Ion: 43 Resp: 4452
Ion Ratio Lower Upper
43 100
72 31.3 19.0 28.6#



#31
Cyclohexane
Concen: 1.200 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

Tgt Ion: 56 Resp: 5985
Ion Ratio Lower Upper
56 100
69 139.0 26.2 39.4#
84 126.5 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 53.714 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021335.D

Acq: 26 Feb 2025 16:37

Instrument :

MSVOA_Y

ClientSampleId :

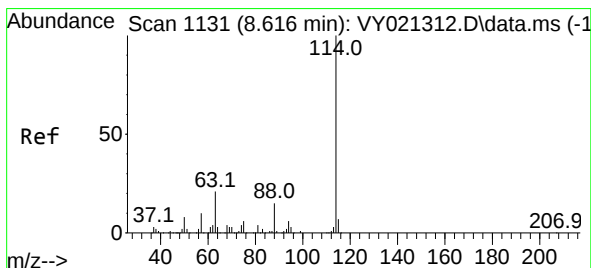
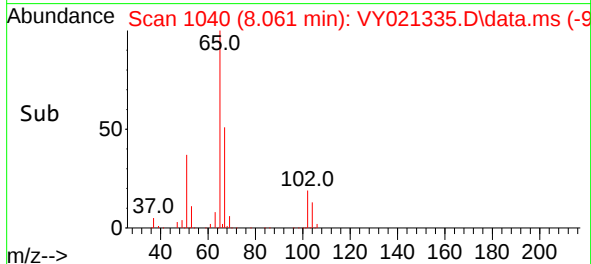
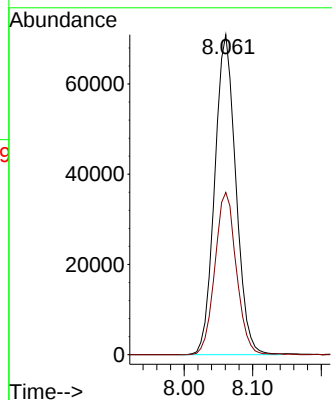
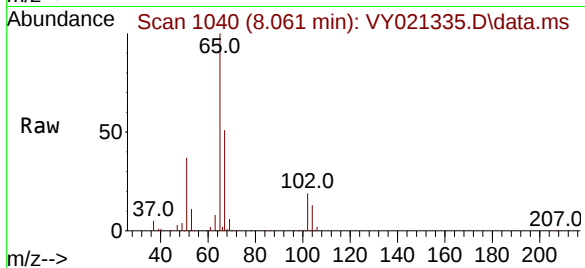
B-172-SB01

Tgt Ion: 65 Resp: 151894

Ion Ratio Lower Upper

65 100

67 51.5 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021335.D

Acq: 26 Feb 2025 16:37

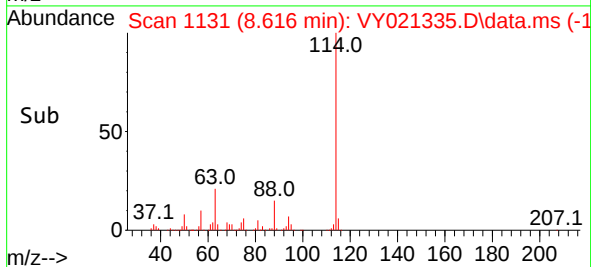
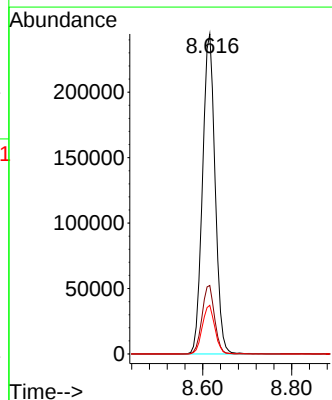
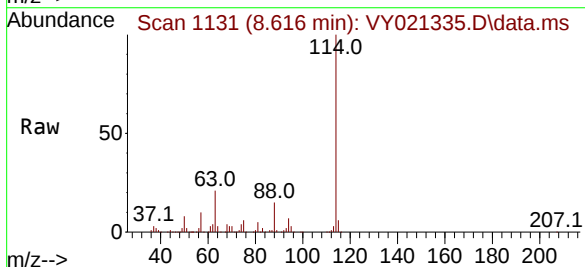
Tgt Ion: 114 Resp: 482876

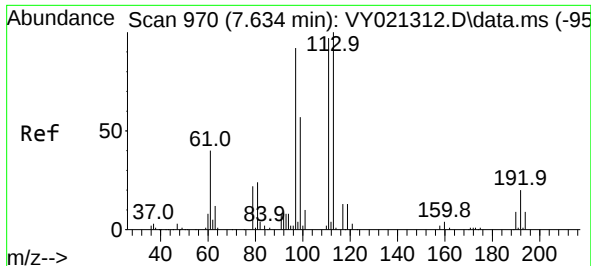
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.2

88 15.2 0.0 29.8





#35

Dibromofluoromethane

Concen: 51.153 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021335.D

Acq: 26 Feb 2025 16:37

Instrument :

MSVOA_Y

ClientSampleId :

B-172-SB01

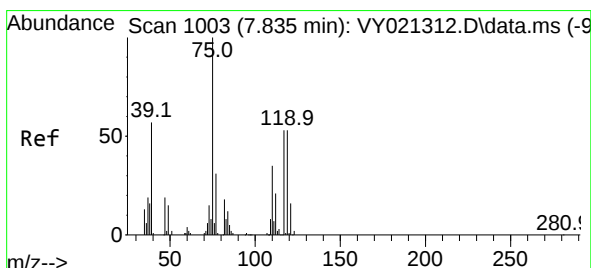
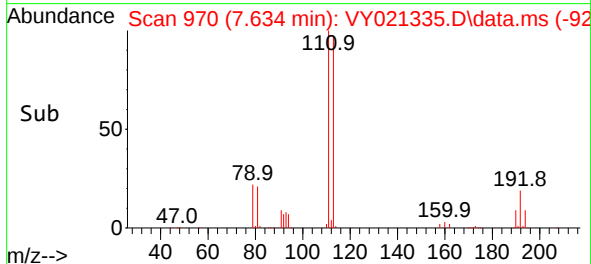
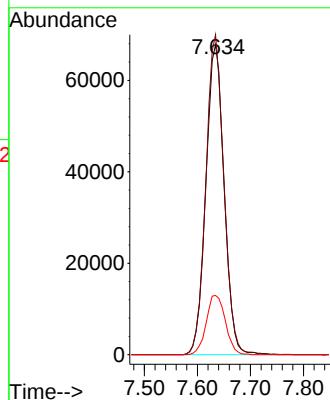
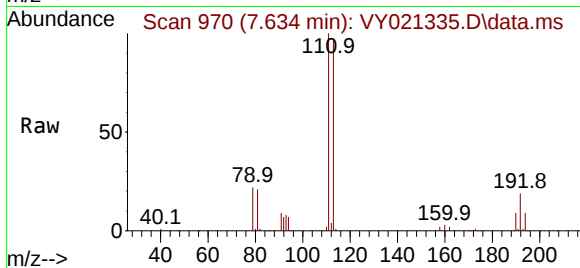
Tgt Ion:113 Resp: 161939

Ion Ratio Lower Upper

113 100

111 102.2 81.0 121.6

192 20.1 15.8 23.8



#36

1,1-Dichloropropene

Concen: 4.350 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY021335.D

Acq: 26 Feb 2025 16:37

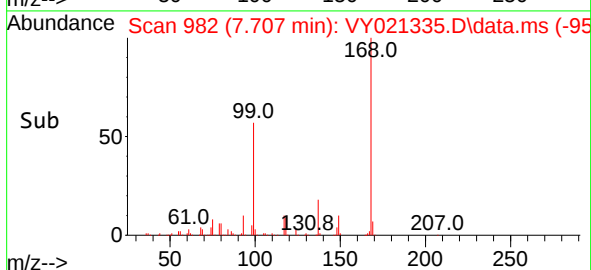
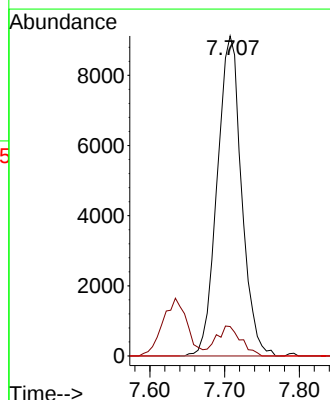
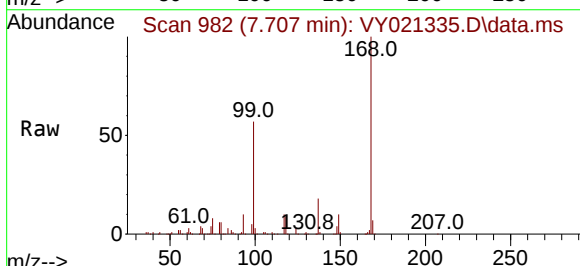
Tgt Ion: 75 Resp: 20686

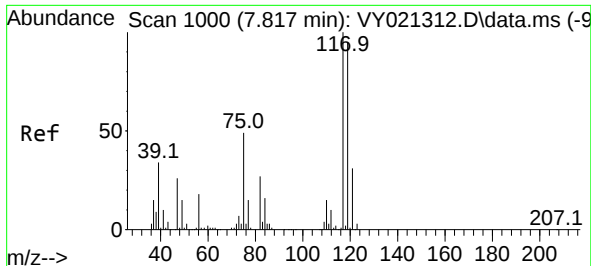
Ion Ratio Lower Upper

75 100

110 9.5 16.9 50.7#

77 0.0 24.6 36.8#

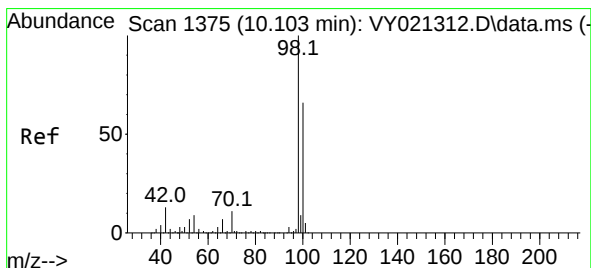
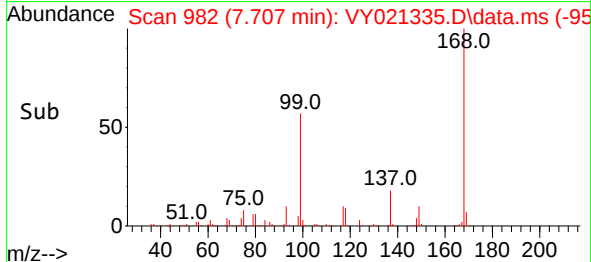
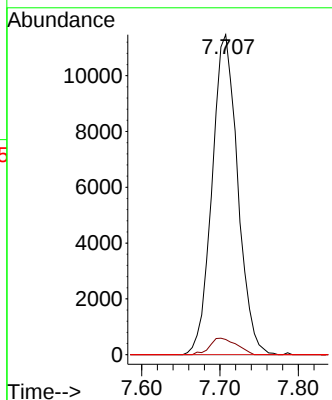
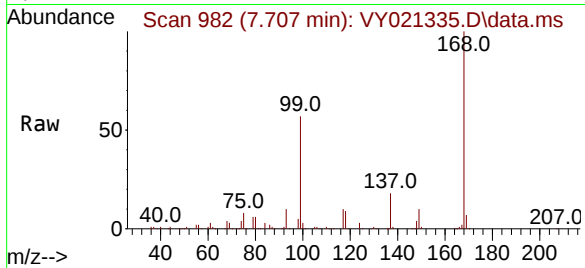




#38
Carbon Tetrachloride
Concen: 4.883 ug/l
RT: 7.707 min Scan# 911
Delta R.T. -0.110 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

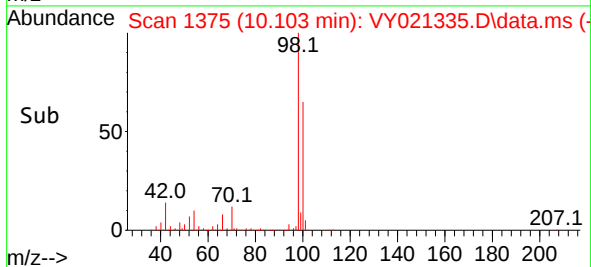
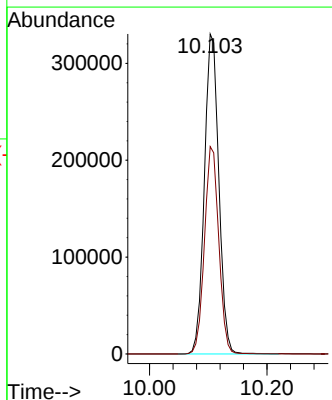
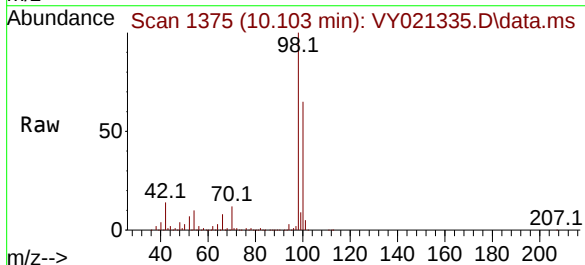
Instrument :
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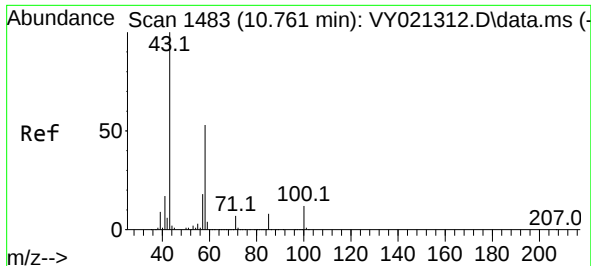
Tgt Ion:117 Resp: 26106
Ion Ratio Lower Upper
117 100
119 4.8 76.0 114.0#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 46.112 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

Tgt Ion: 98 Resp: 564176
Ion Ratio Lower Upper
98 100
100 64.2 52.4 78.6

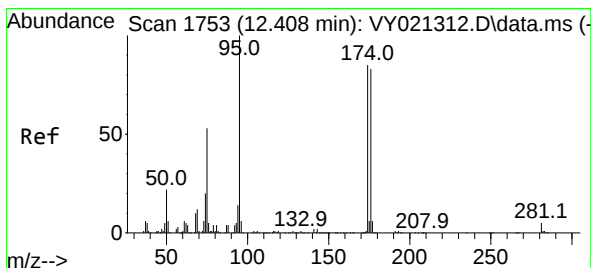
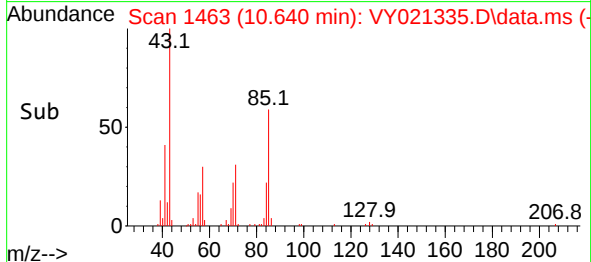
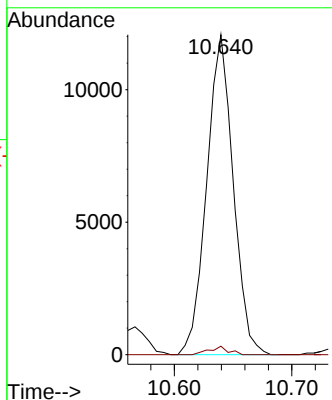
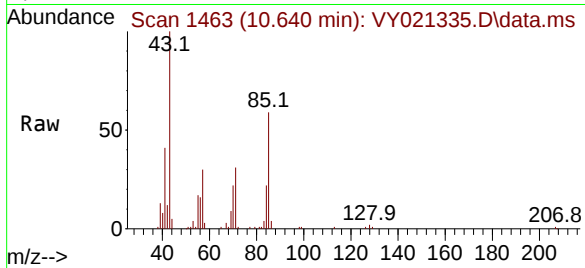




#59
2-Hexanone
Concen: 12.296 ug/l
RT: 10.640 min Scan# 1483
Delta R.T. -0.122 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

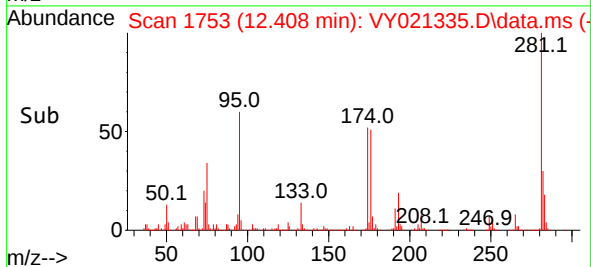
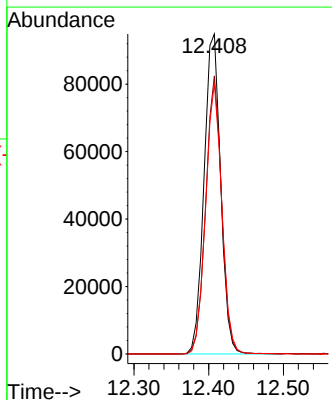
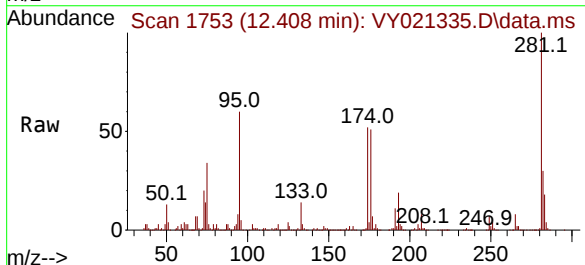
Instrument :
MSVOA_Y
ClientSampleId :
B-172-SB01

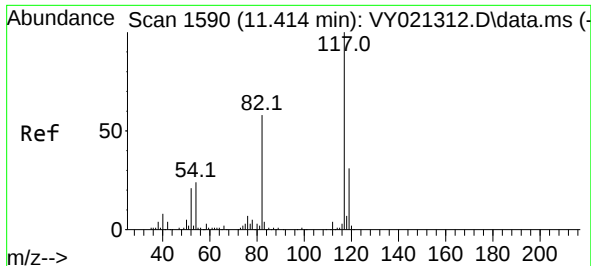
Tgt Ion: 43 Resp: 18926
Ion Ratio Lower Upper
43 100
58 1.9 25.9 77.6#



#62
4-Bromofluorobenzene
Concen: 35.439 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

Tgt Ion: 95 Resp: 145923
Ion Ratio Lower Upper
95 100
174 83.9 0.0 168.0
176 83.0 0.0 162.6

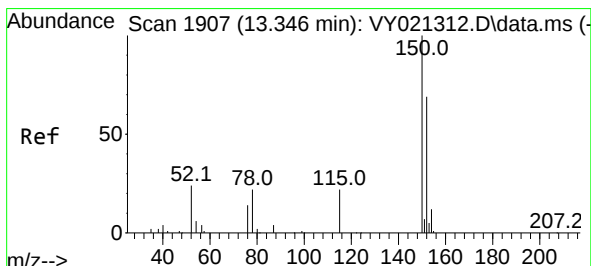
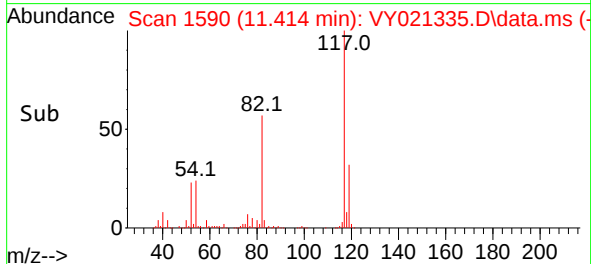
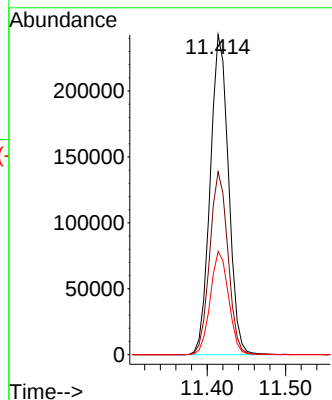
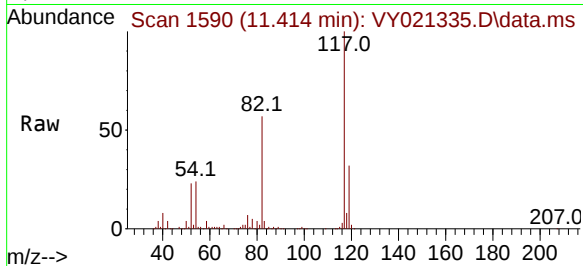




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

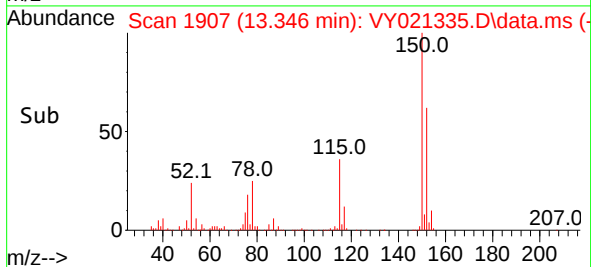
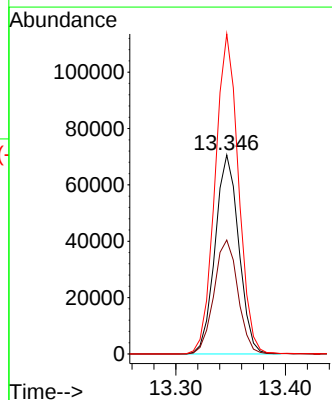
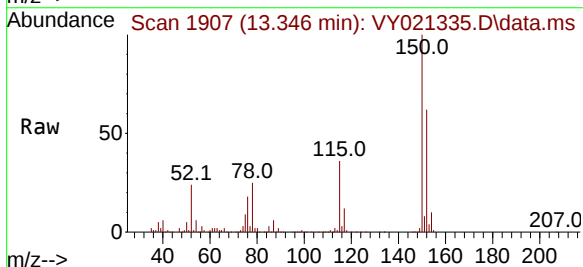
Instrument :
MSVOA_Y
ClientSampleId :
B-172-SB01

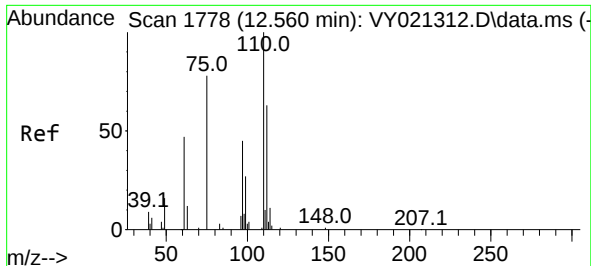
Tgt Ion:117 Resp: 393781
Ion Ratio Lower Upper
117 100
82 57.1 46.2 69.4
119 32.3 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

Tgt Ion:152 Resp: 105850
Ion Ratio Lower Upper
152 100
115 57.9 29.3 88.0
150 159.3 0.0 347.4

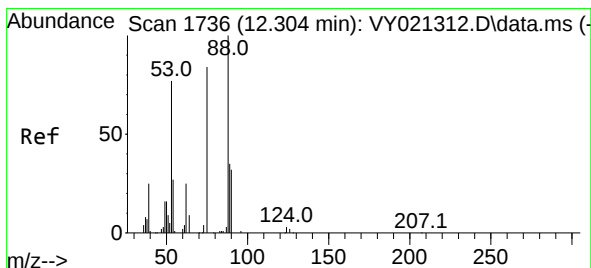
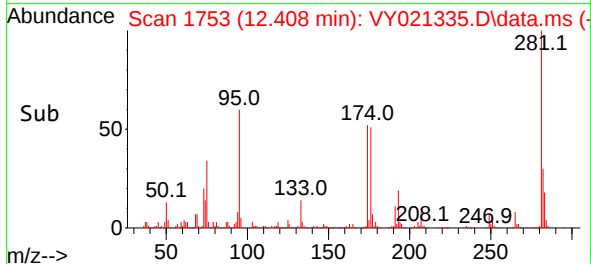
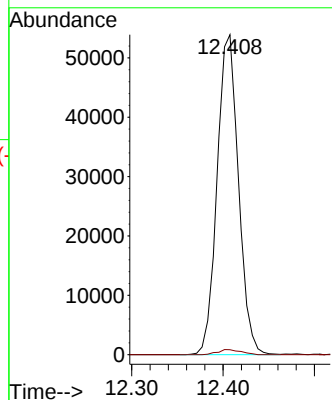
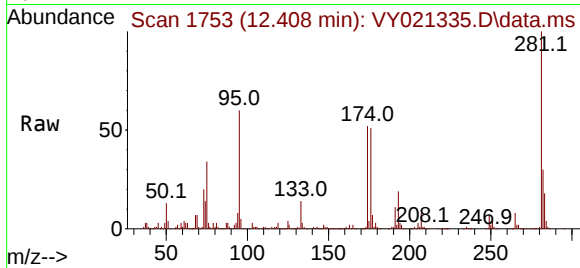




#76
1,2,3-Trichloropropane
Concen: 82.691 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

Instrument :
MSVOA_Y
ClientSampleId :
B-172-SB01

Tgt Ion: 75 Resp: 87611
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 183.792 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

Tgt Ion: 75 Resp: 87611
Ion Ratio Lower Upper
75 100
53 0.1 79.1 118.7#
89 3.1 35.6 53.4#

