

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031225\
 Data File : VY021512.D
 Acq On : 12 Mar 2025 16:20
 Operator : SY/MD
 Sample : Q1524-01
 Misc : 5.05g/5.6mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11930-343-COMP

Quant Time: Mar 13 01:38:18 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)

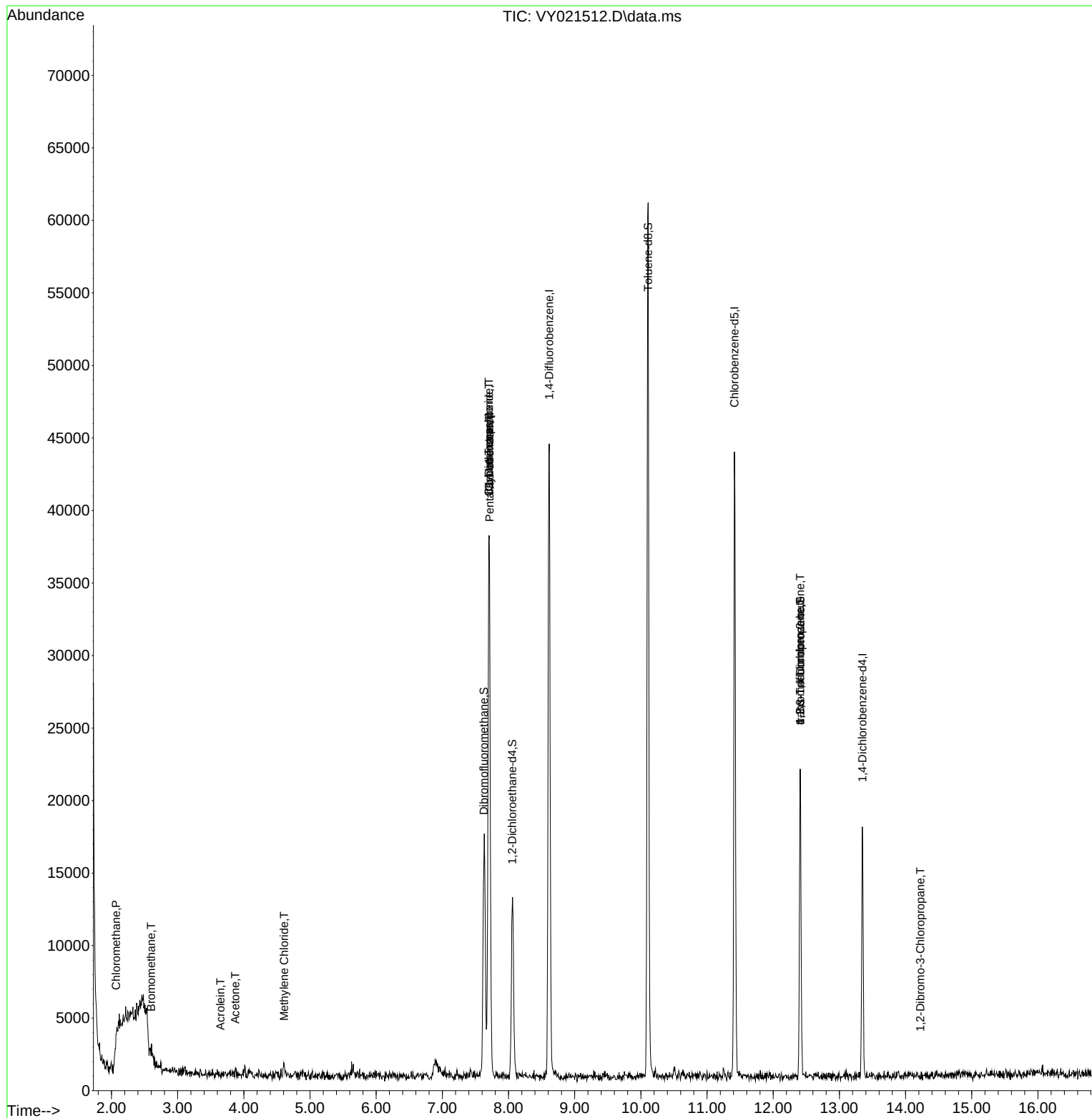
Internal Standards						
1) Pentafluorobenzene	7.713	168	28826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	36326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	22171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	4569	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	10535	34.578	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	69.160%
35) Dibromofluoromethane	7.628	113	11681	48.920	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.840%
50) Toluene-d8	10.109	98	40068	44.319	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.640%
62) 4-Bromofluorobenzene	12.408	95	6099	19.832	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	39.660%
Target Compounds						
					Qvalue	
3) Chloromethane	2.068	50	416	1.115	ug/l	92
5) Bromomethane	2.598	94	342	1.161	ug/l #	34
11) Tert butyl alcohol	4.805	59	63	Below Cal	#	72
13) Acrolein	3.647	56	19	1.226	ug/l #	10
16) Acetone	3.873	43	185	2.784	ug/l #	81
20) Methylene Chloride	4.610	84	520	1.491	ug/l #	65
31) Cyclohexane	7.707	56	797	1.397	ug/l #	41
36) 1,1-Dichloropropene	7.701	75	2488	6.657	ug/l #	44
38) Carbon Tetrachloride	7.701	117	3025	7.037	ug/l #	12
76) 1,2,3-Trichloropropane	12.408	75	3287	71.393	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	3287	162.298	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.224	75	21	2.207	ug/l #	1

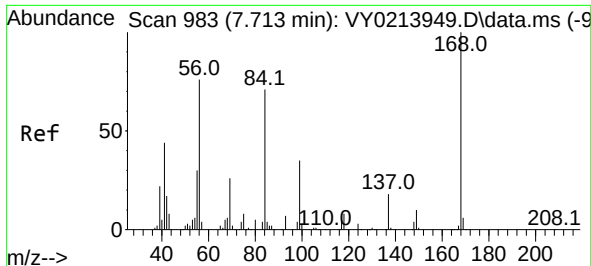
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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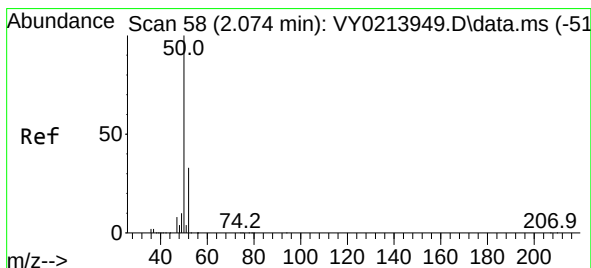
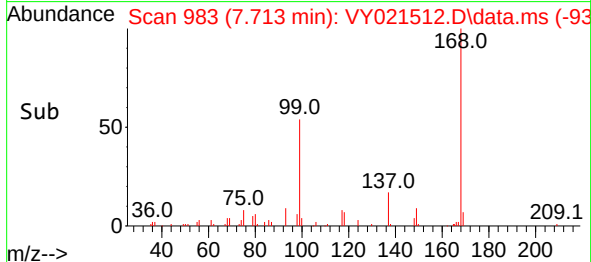
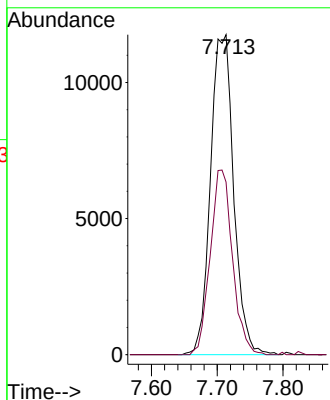
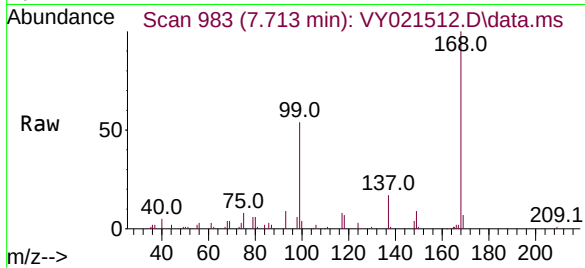




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021512.D
Acq: 12 Mar 2025 16:20

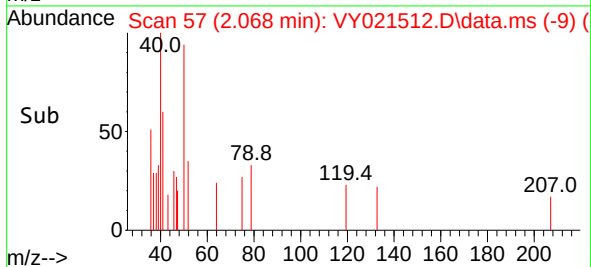
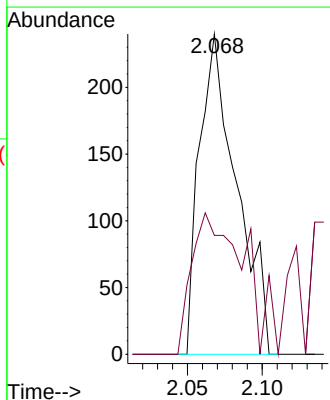
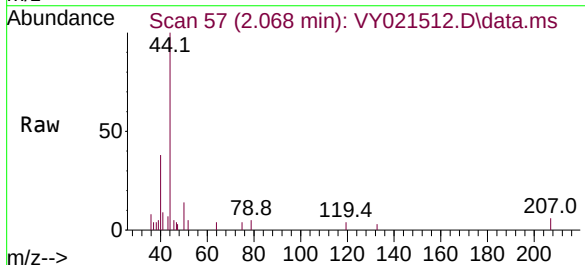
Instrument :
MSVOA_Y
ClientSampleId :
72-11930-343-COMP

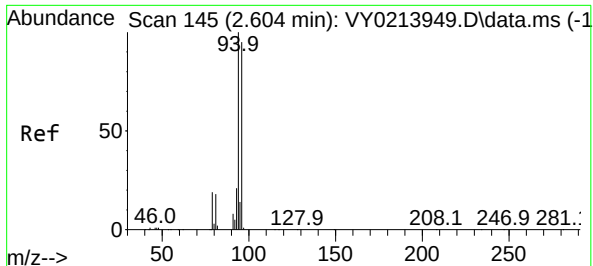
Tgt Ion:168 Resp: 28826
Ion Ratio Lower Upper
168 100
99 53.9 46.0 69.0



#3
Chloromethane
Concen: 1.115 ug/l
RT: 2.068 min Scan# 57
Delta R.T. -0.006 min
Lab File: VY021512.D
Acq: 12 Mar 2025 16:20

Tgt Ion: 50 Resp: 416
Ion Ratio Lower Upper
50 100
52 37.1 26.2 39.2

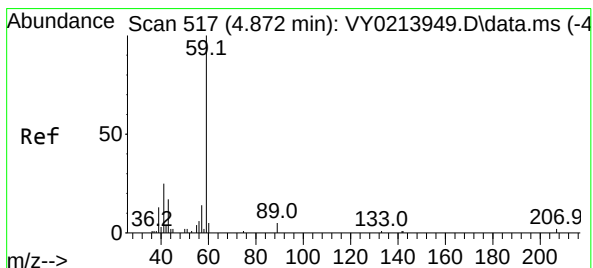
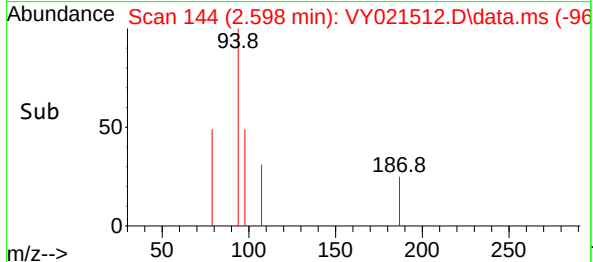
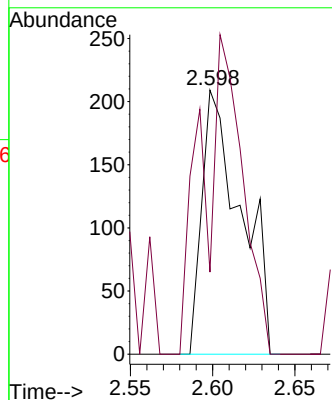
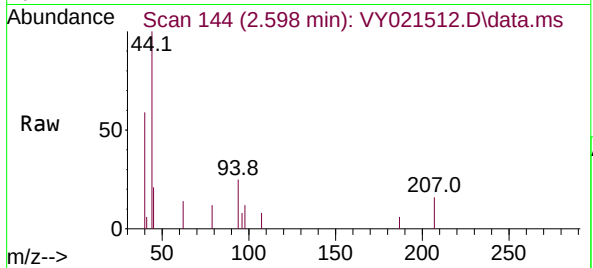




#5
 Bromomethane
 Concen: 1.161 ug/l
 RT: 2.598 min Scan# 14
 Delta R.T. -0.006 min
 Lab File: VY021512.D
 Acq: 12 Mar 2025 16:20

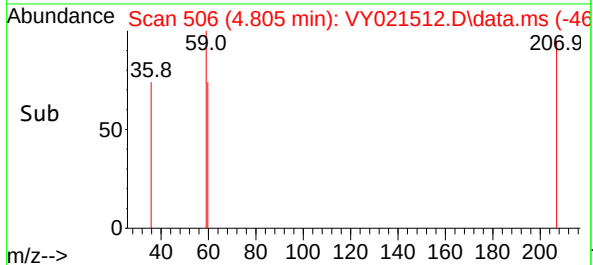
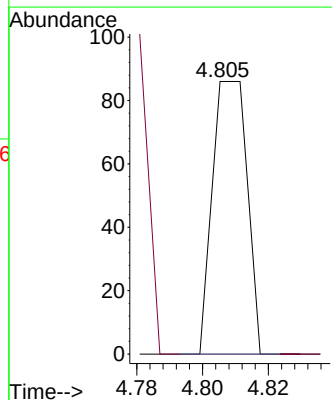
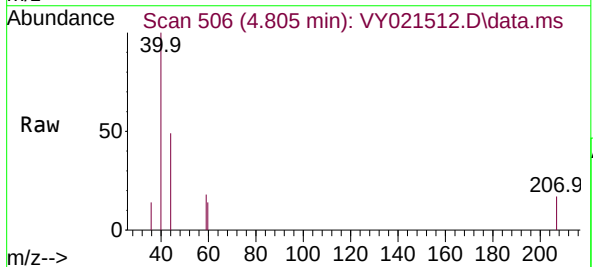
Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11930-343-COMP

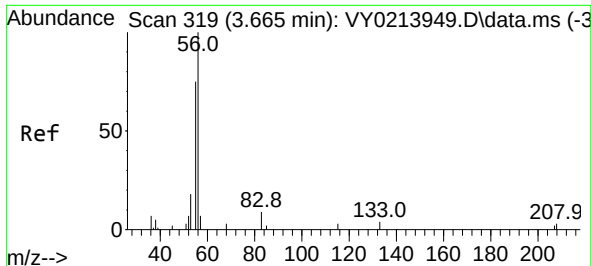
Tgt Ion: 94 Resp: 342
 Ion Ratio Lower Upper
 94 100
 96 31.1 76.3 114.5#



#11
 Tert butyl alcohol
 Concen: Below Cal
 RT: 4.805 min Scan# 506
 Delta R.T. -0.067 min
 Lab File: VY021512.D
 Acq: 12 Mar 2025 16:20

Tgt Ion: 59 Resp: 63
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

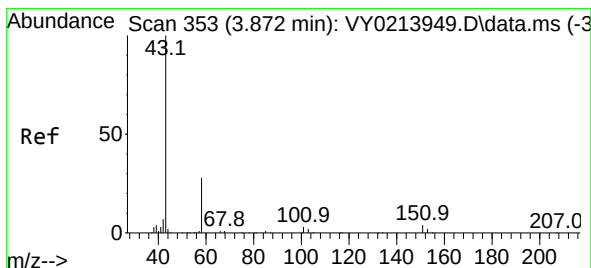
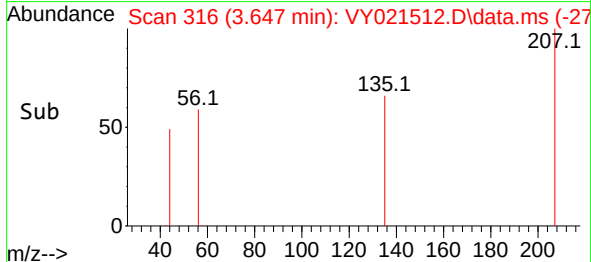
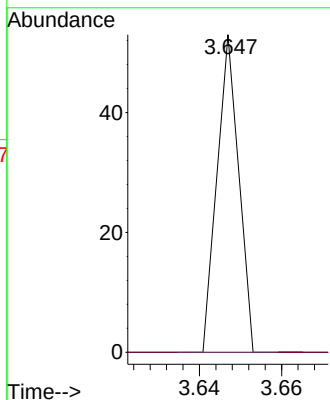
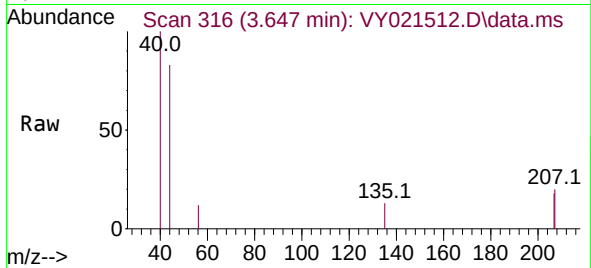




#13
Acrolein
Concen: 1.226 ug/l
RT: 3.647 min Scan# 319
Delta R.T. -0.018 min
Lab File: VY021512.D
Acq: 12 Mar 2025 16:20

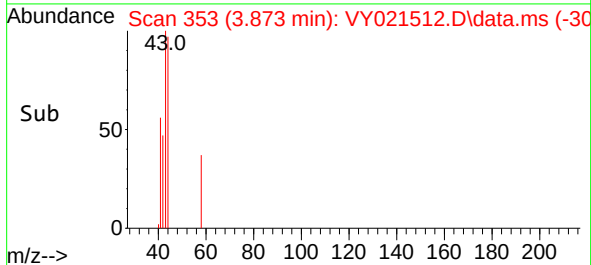
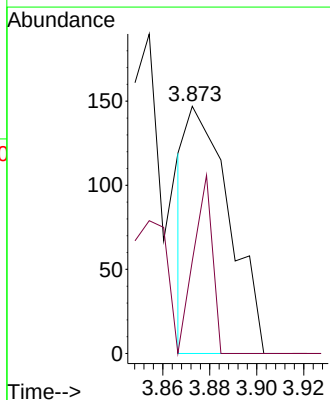
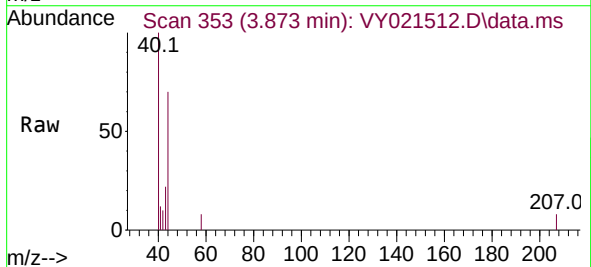
Instrument :
MSVOA_Y
ClientSampleId :
72-11930-343-COMP

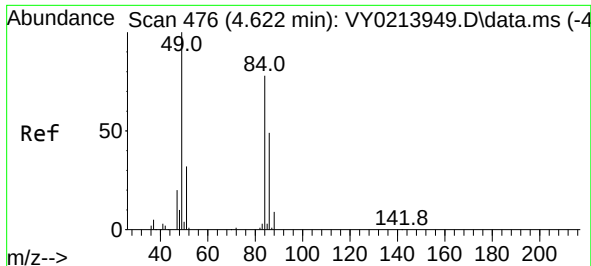
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 63.4 95.2#



#16
Acetone
Concen: 2.784 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.001 min
Lab File: VY021512.D
Acq: 12 Mar 2025 16:20

Tgt Ion: 43 Resp: 185
Ion Ratio Lower Upper
43 100
58 37.4 22.1 33.1#





#20

Methylene Chloride

Concen: 1.491 ug/l

RT: 4.610 min Scan# 41

Delta R.T. -0.012 min

Lab File: VY021512.D

Acq: 12 Mar 2025 16:20

Instrument :

MSVOA_Y

ClientSampleId :

72-11930-343-COMP

Tgt Ion: 84 Resp: 520

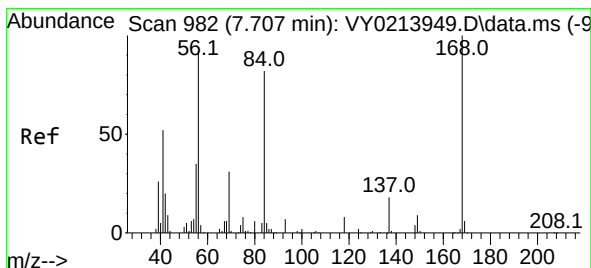
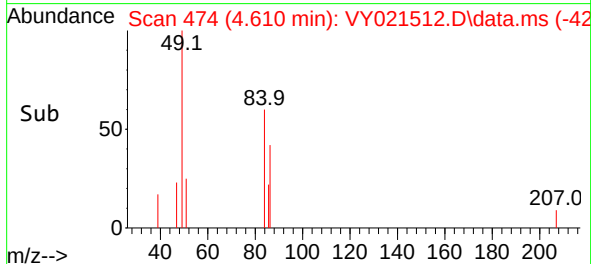
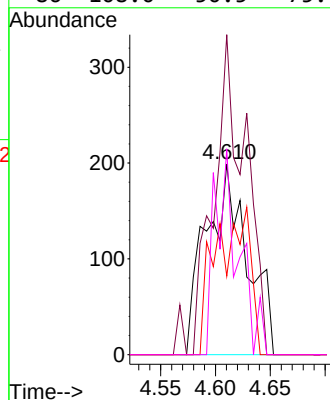
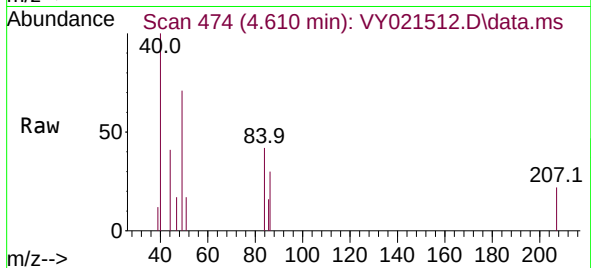
Ion Ratio Lower Upper

84 100

49 167.8 102.0 153.0#

51 41.2 33.0 49.6

86 108.0 50.5 75.7#



#31

Cyclohexane

Concen: 1.397 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.000 min

Lab File: VY021512.D

Acq: 12 Mar 2025 16:20

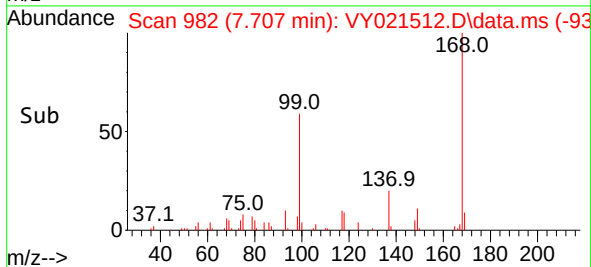
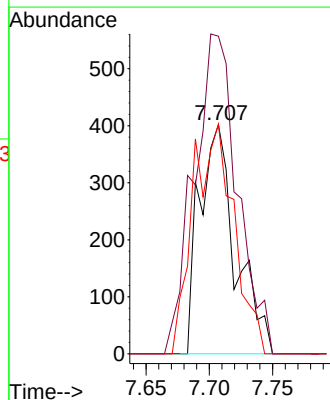
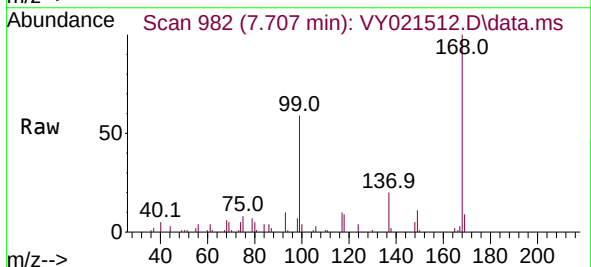
Tgt Ion: 56 Resp: 797

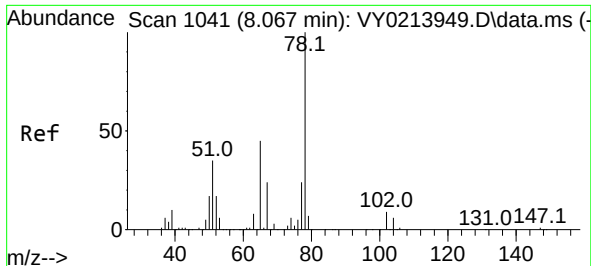
Ion Ratio Lower Upper

56 100

69 138.6 27.0 40.4#

84 100.2 71.1 106.7

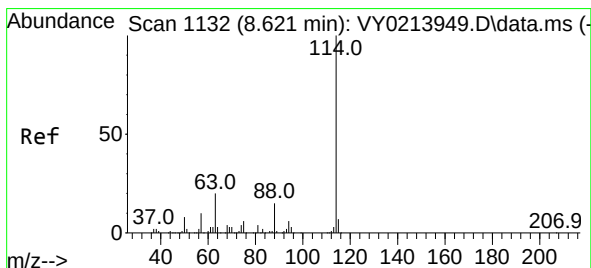
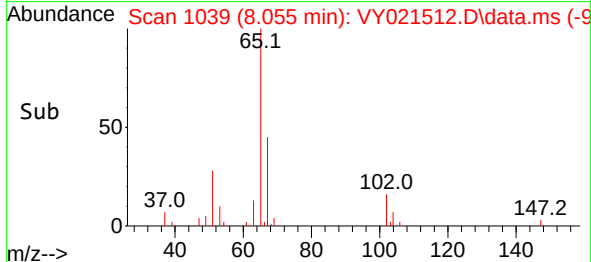
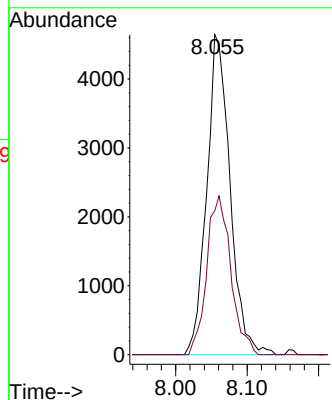
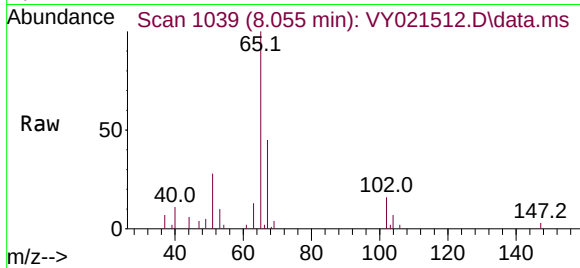




#33
1,2-Dichloroethane-d4
Concen: 34.578 ug/l
RT: 8.055 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VY021512.D
Acq: 12 Mar 2025 16:20

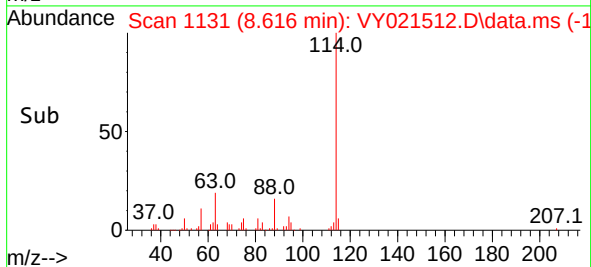
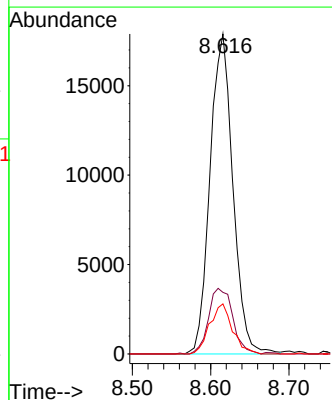
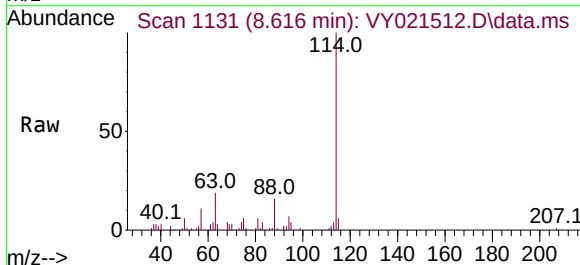
Instrument :
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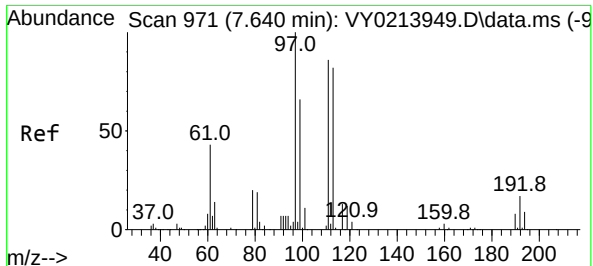
Tgt Ion: 65 Resp: 10535
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021512.D
Acq: 12 Mar 2025 16:20

Tgt Ion: 114 Resp: 36326
Ion Ratio Lower Upper
114 100
63 19.3 0.0 40.8
88 15.6 0.0 30.8





#35

Dibromofluoromethane

Concen: 48.920 ug/l

RT: 7.628 min Scan# 9

Delta R.T. -0.012 min

Lab File: VY021512.D

Acq: 12 Mar 2025 16:20

Instrument :

MSVOA_Y

ClientSampleId :

72-11930-343-COMP

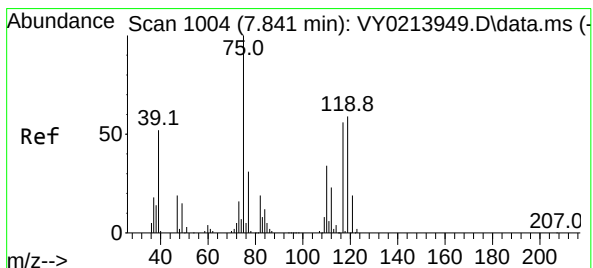
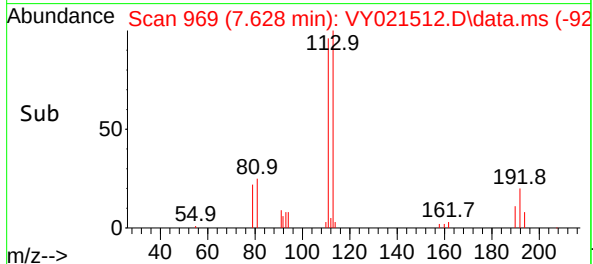
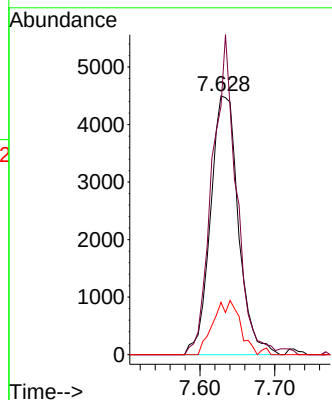
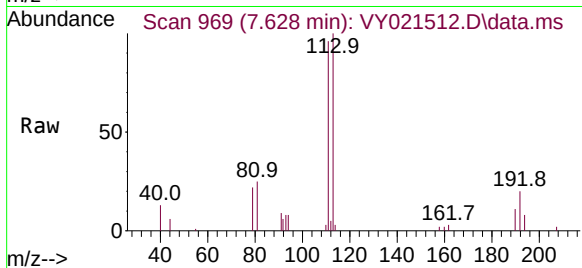
Tgt Ion:113 Resp: 11681

Ion Ratio Lower Upper

113 100

111 107.0 82.0 123.0

192 20.1 15.9 23.9



#36

1,1-Dichloropropene

Concen: 6.657 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY021512.D

Acq: 12 Mar 2025 16:20

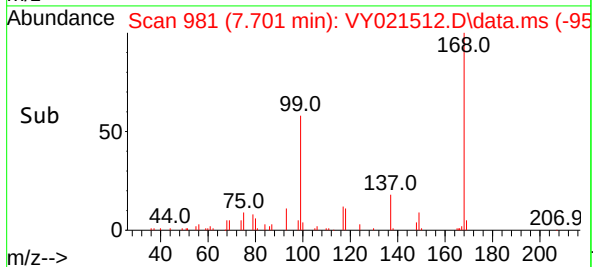
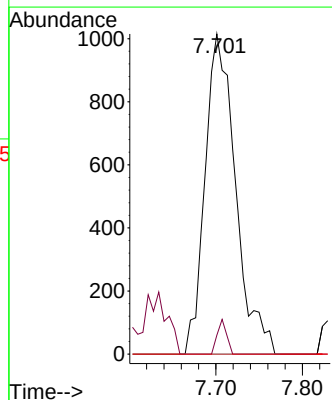
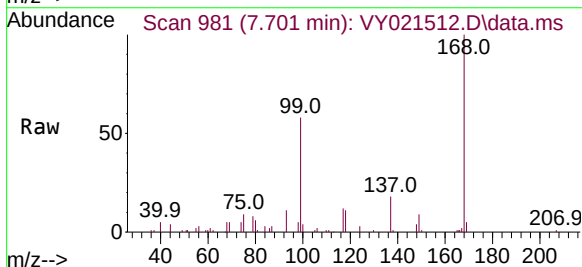
Tgt Ion: 75 Resp: 2488

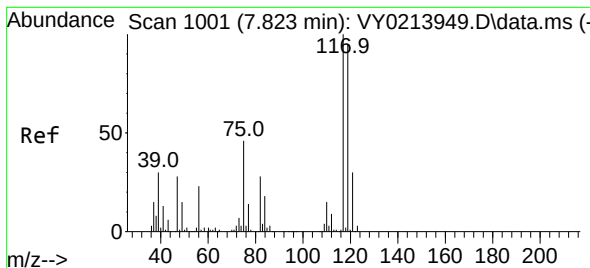
Ion Ratio Lower Upper

75 100

110 3.3 17.3 51.7#

77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 7.037 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY021512.D

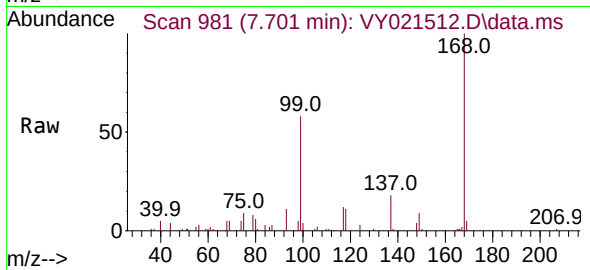
Acq: 12 Mar 2025 16:20

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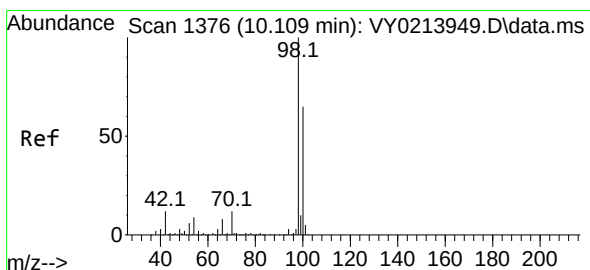
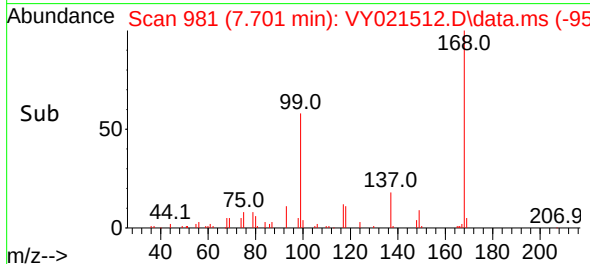
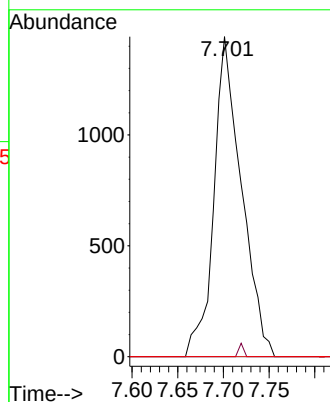
Tgt Ion:117 Resp: 3025

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 44.319 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021512.D

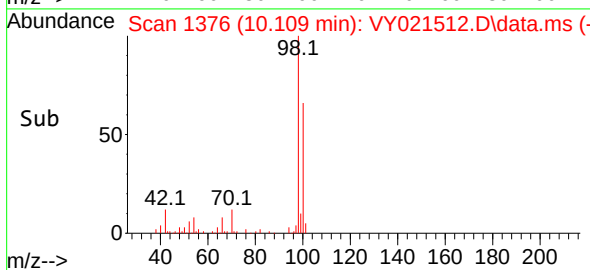
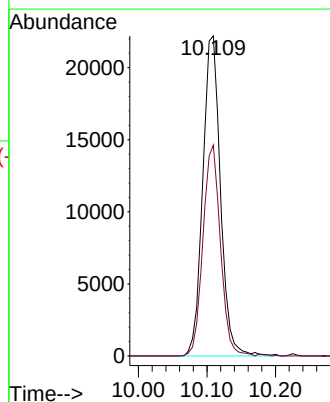
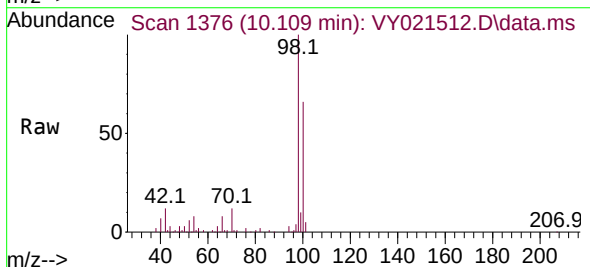
Acq: 12 Mar 2025 16:20

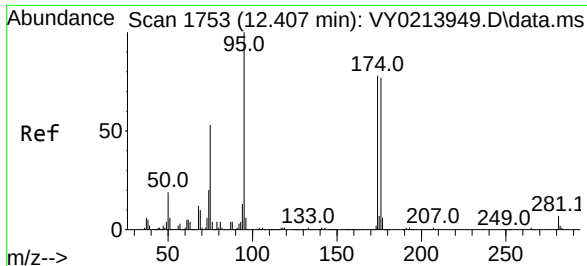
Tgt Ion: 98 Resp: 40068

Ion Ratio Lower Upper

98 100

100 64.8 52.1 78.1

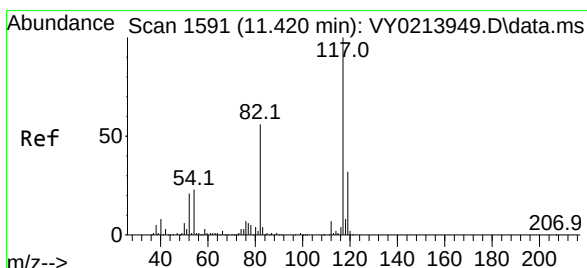
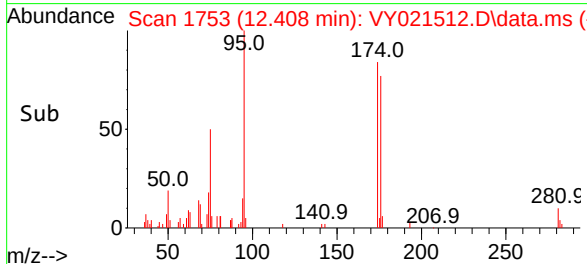
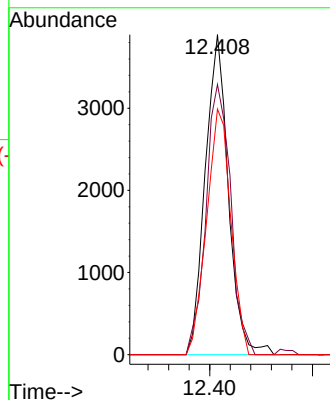
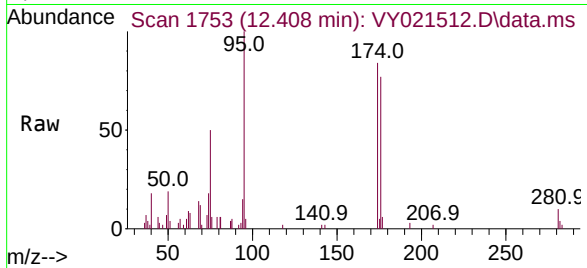




#62
4-Bromofluorobenzene
Concen: 19.832 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021512.D
Acq: 12 Mar 2025 16:20

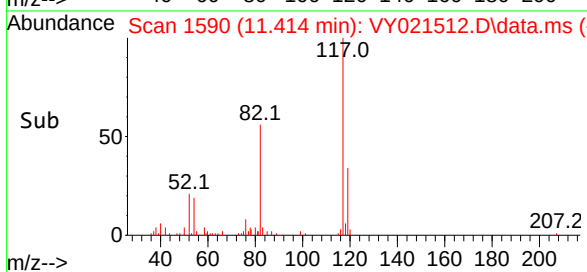
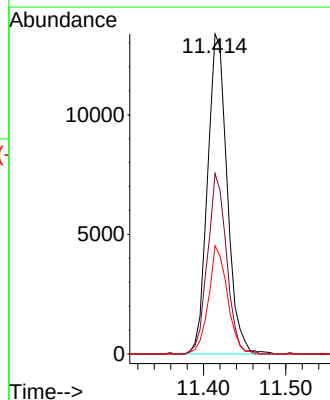
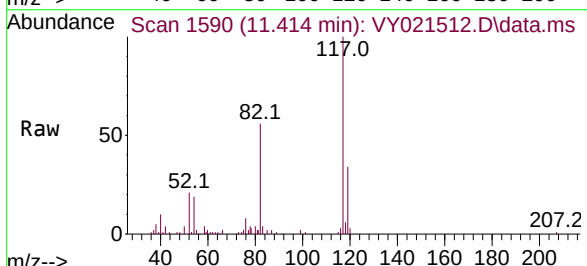
Instrument :
MSVOA_Y
ClientSampleId :
72-11930-343-COMP

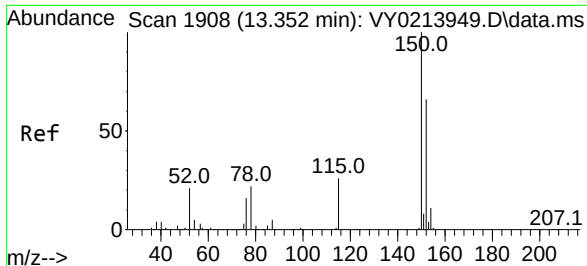
Tgt Ion:	95	Resp:	6099
Ion Ratio	Lower	Upper	
95	100		
174	90.0	0.0	165.0
176	80.2	0.0	160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021512.D
Acq: 12 Mar 2025 16:20

Tgt Ion:	117	Resp:	22171
Ion Ratio	Lower	Upper	
117	100		
82	56.4	44.6	67.0
119	33.8	25.4	38.0

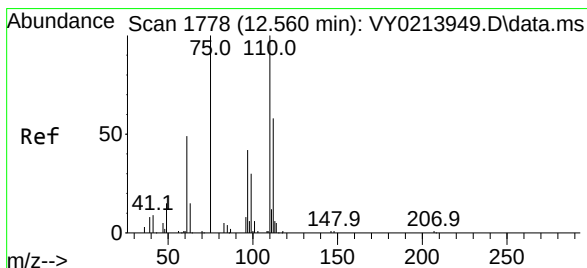
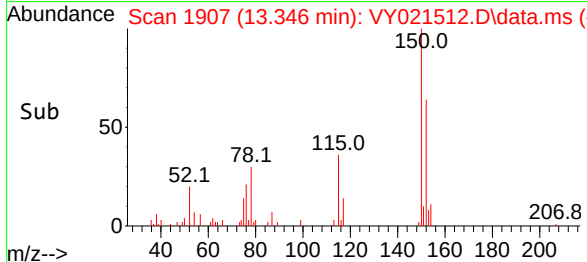
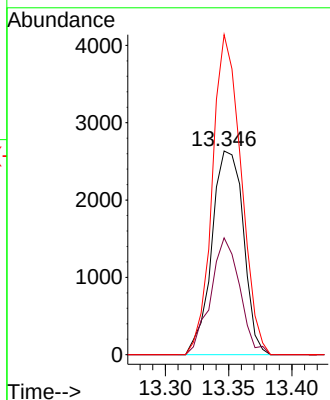
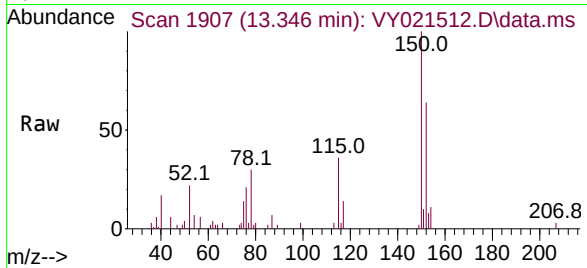




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.006 min
 Lab File: VY021512.D
 Acq: 12 Mar 2025 16:20

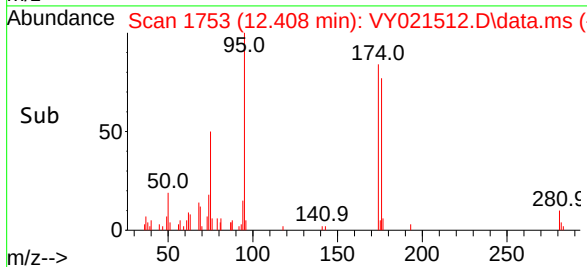
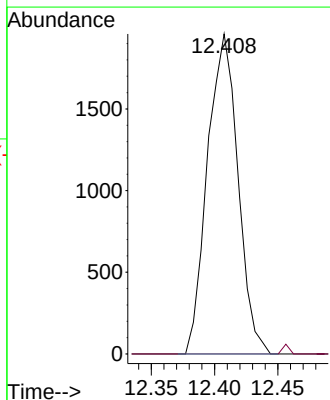
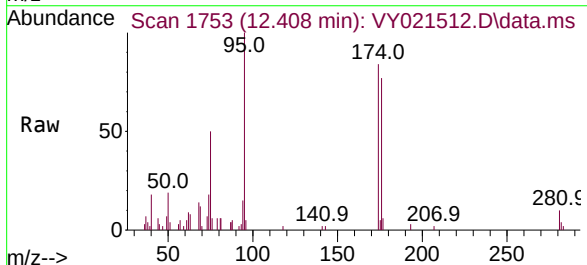
Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11930-343-COMP

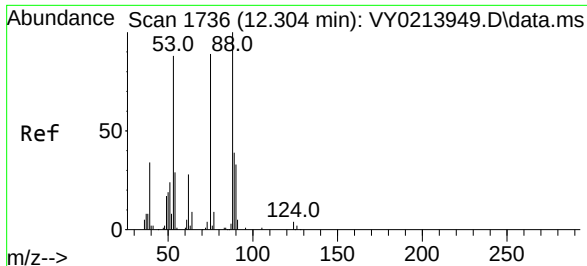
Tgt Ion:	152	Resp:	4569
Ion	Ratio	Lower	Upper
152	100		
115	52.9	29.0	87.0
150	143.2	0.0	347.2



#76
 1,2,3-Trichloropropane
 Concen: 71.393 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021512.D
 Acq: 12 Mar 2025 16:20

Tgt Ion:	75	Resp:	3287
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

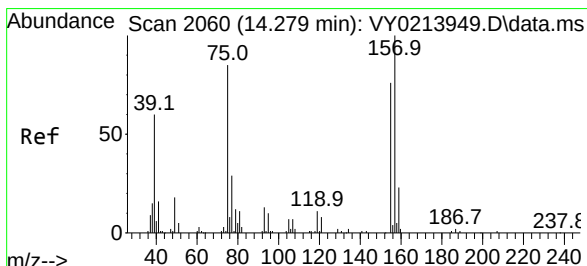
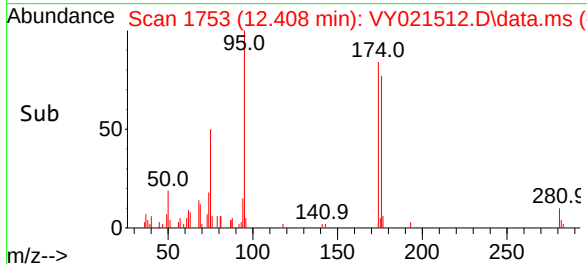
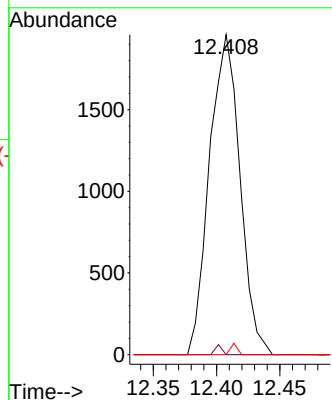
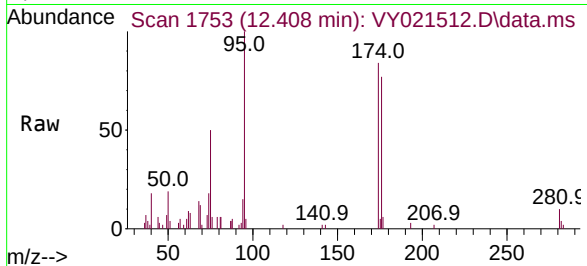




#81
trans-1,4-Dichloro-2-butene
Concen: 162.298 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021512.D
Acq: 12 Mar 2025 16:20

Instrument :
MSVOA_Y
ClientSampleId :
72-11930-343-COMP

Tgt Ion: 75 Resp: 3287
Ion Ratio Lower Upper
75 100
53 0.7 81.0 121.4#
89 0.8 36.9 55.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.207 ug/l
RT: 14.224 min Scan# 2051
Delta R.T. -0.055 min
Lab File: VY021512.D
Acq: 12 Mar 2025 16:20

Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
155 0.0 43.5 130.5#
157 0.0 54.4 163.2#

