

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041725\
 Data File : VY021901.D
 Acq On : 17 Apr 2025 09:34
 Operator : SY/MD
 Sample : VY0417SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0417SBL01

Quant Time: Apr 18 03:54:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

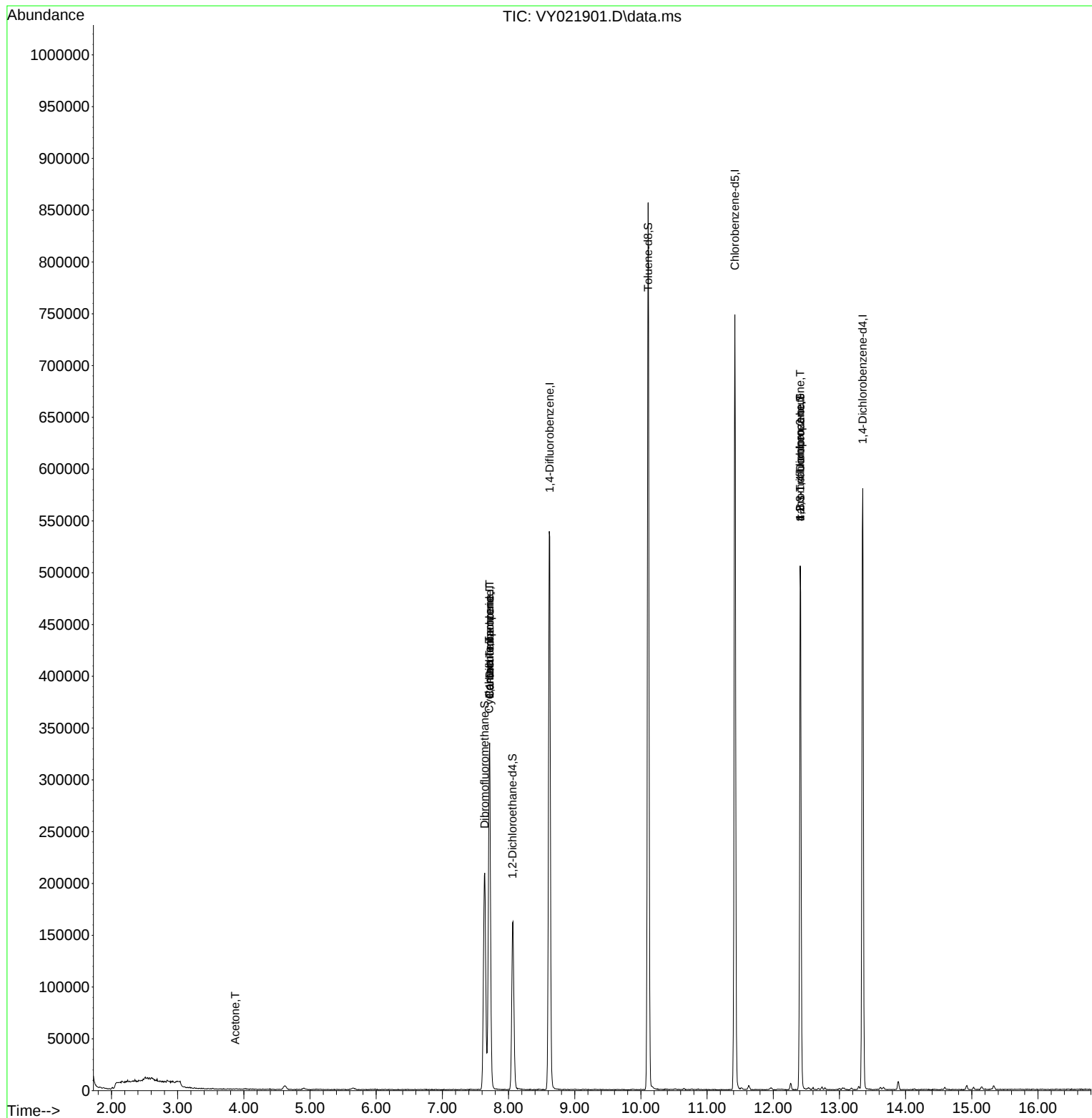
Internal Standards						
1) Pentafluorobenzene	7.713	168	253281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	455934	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	384450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	145931	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	131262	47.832	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.660%
35) Dibromofluoromethane	7.640	113	149683	50.610	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.220%
50) Toluene-d8	10.109	98	534168	47.475	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.960%
62) 4-Bromofluorobenzene	12.408	95	150825	39.631	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.260%
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	629	1.120	ug/l	95
20) Methylene Chloride	4.623	84	2439	Below Cal	#	88
31) Cyclohexane	7.707	56	5998	1.238	ug/l #	9
36) 1,1-Dichloropropene	7.713	75	20547	4.561	ug/l #	50
38) Carbon Tetrachloride	7.713	117	25359	4.915	ug/l #	18
76) 1,2,3-Trichloropropane	12.408	75	80037	55.330	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	80037	127.489	ug/l #	12

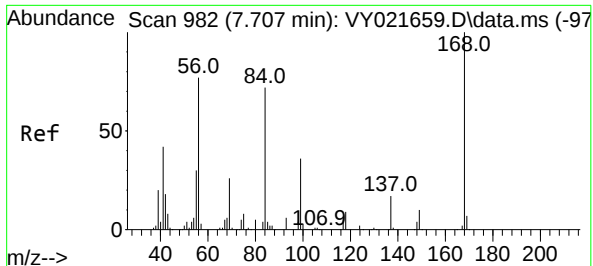
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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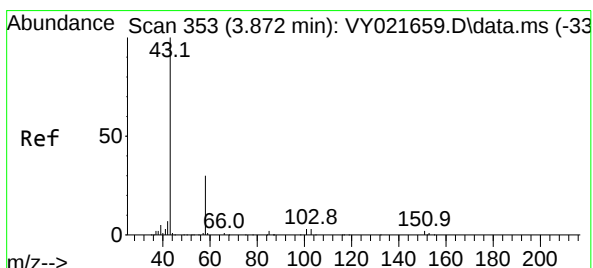
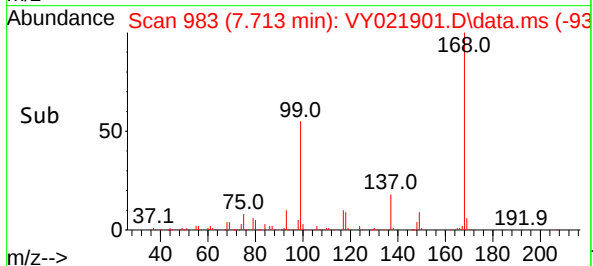
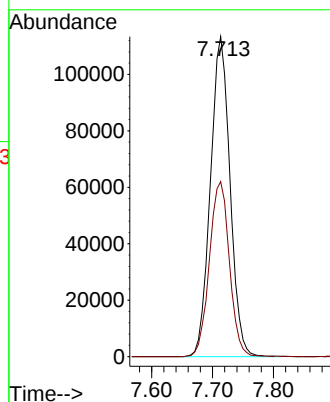
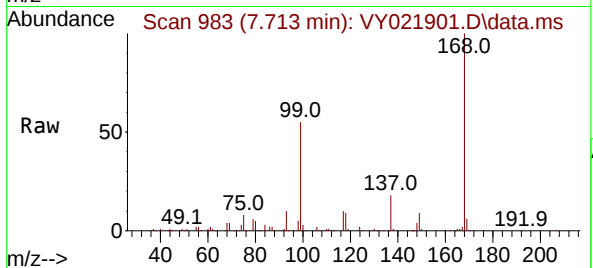




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021901.D
Acq: 17 Apr 2025 09:34

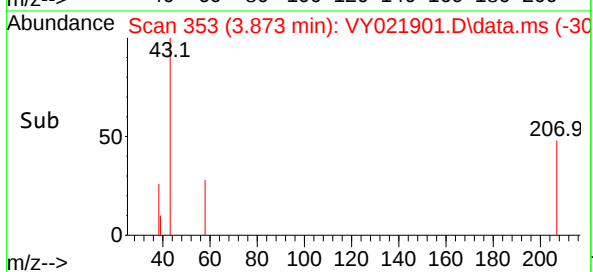
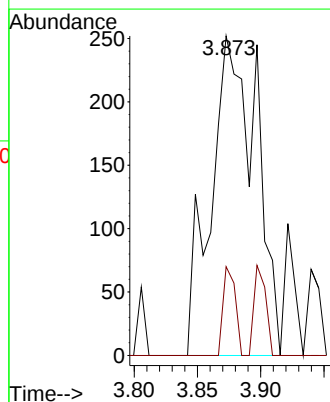
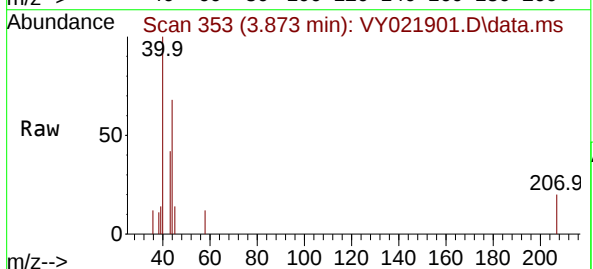
Instrument :
MSVOA_Y
ClientSampleId :
VY0417SBL01

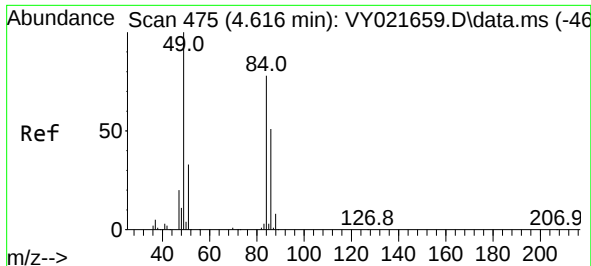
Tgt Ion:168 Resp: 253281
Ion Ratio Lower Upper
168 100
99 54.7 46.7 70.1



#16
Acetone
Concen: 1.120 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021901.D
Acq: 17 Apr 2025 09:34

Tgt Ion: 43 Resp: 629
Ion Ratio Lower Upper
43 100
58 27.8 24.2 36.4





#20

Methylene Chloride

Concen: Below Cal

RT: 4.623 min Scan# 41

Delta R.T. 0.007 min

Lab File: VY021901.D

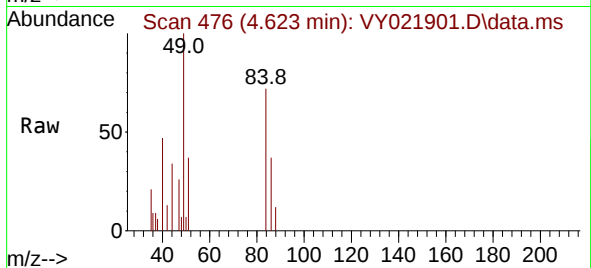
Acq: 17 Apr 2025 09:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0417SBL01



Tgt Ion: 84 Resp: 2439

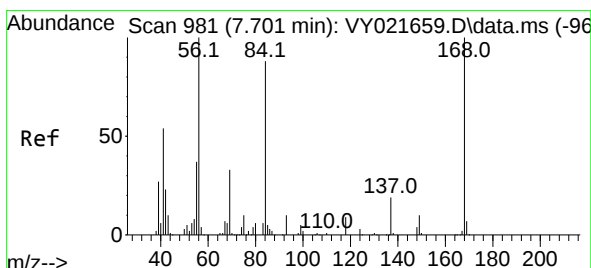
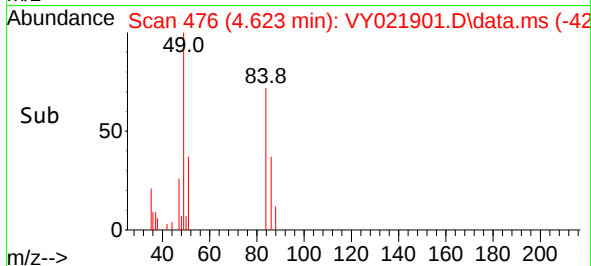
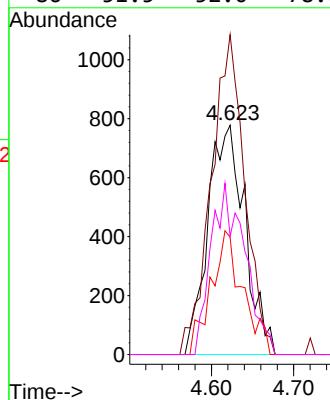
Ion Ratio Lower Upper

84 100

49 139.5 102.8 154.2

51 51.2 33.5 50.3#

86 51.5 52.0 78.0#



#31

Cyclohexane

Concen: 1.238 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY021901.D

Acq: 17 Apr 2025 09:34

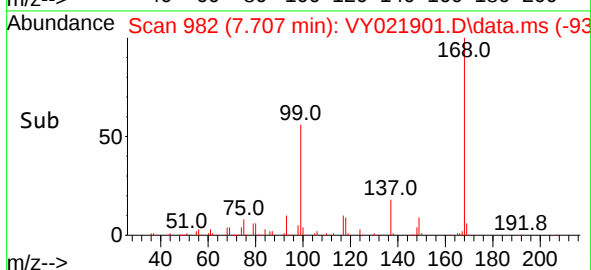
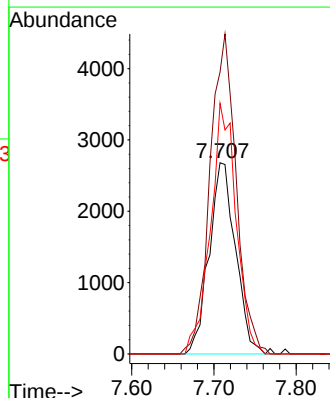
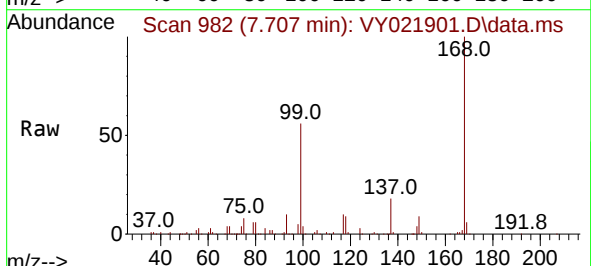
Tgt Ion: 56 Resp: 5998

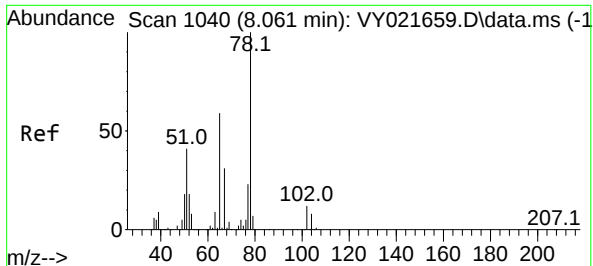
Ion Ratio Lower Upper

56 100

69 147.4 26.6 40.0#

84 131.0 69.0 103.4#





#33

1,2-Dichloroethane-d4

Concen: 47.832 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021901.D

Acq: 17 Apr 2025 09:34

Instrument :

MSVOA_Y

ClientSampleId :

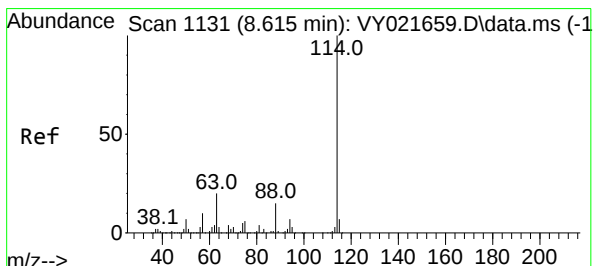
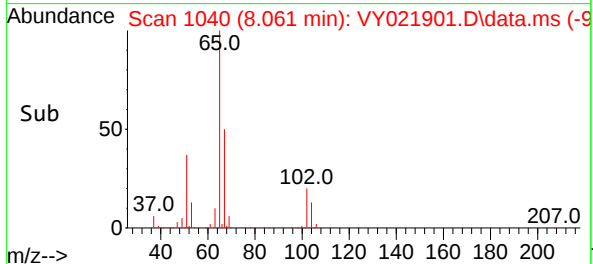
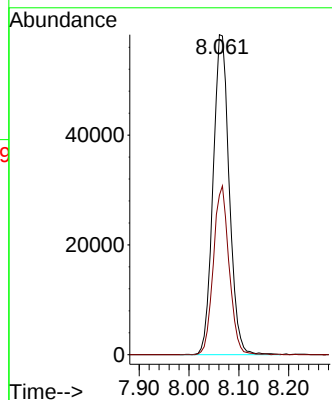
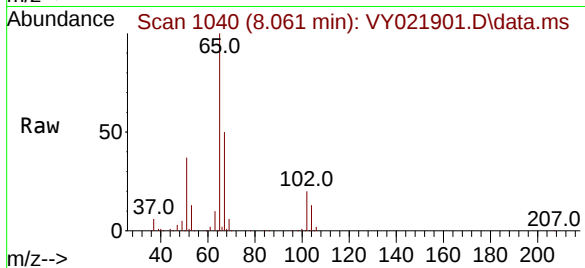
VY0417SBL01

Tgt Ion: 65 Resp: 131262

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY021901.D

Acq: 17 Apr 2025 09:34

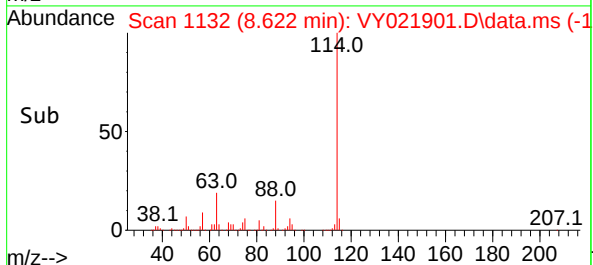
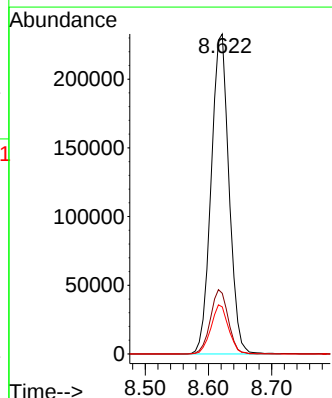
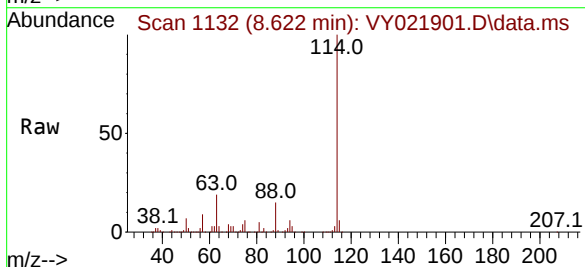
Tgt Ion: 114 Resp: 455934

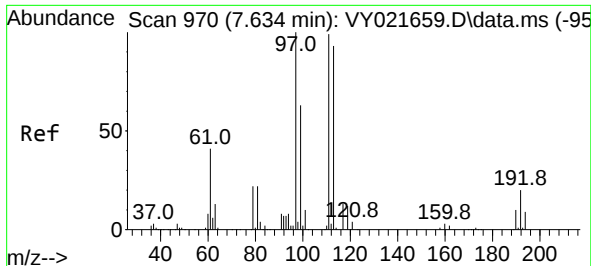
Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.2

88 14.7 0.0 29.8

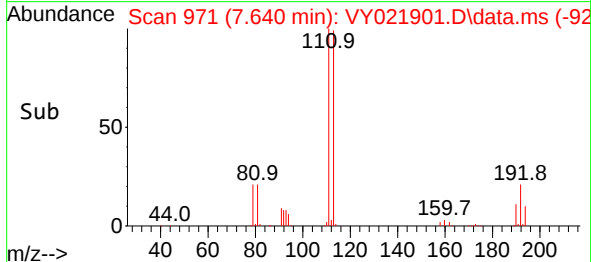
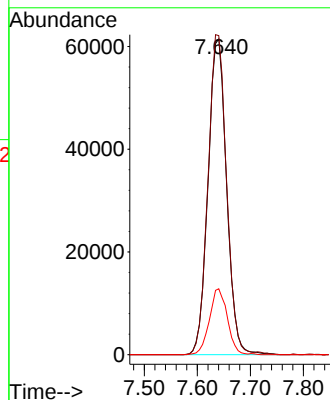
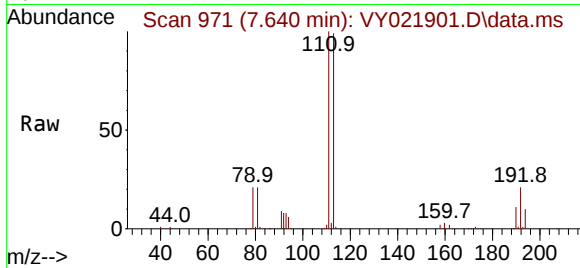




#35
Dibromofluoromethane
Concen: 50.610 ug/l
RT: 7.640 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY021901.D
Acq: 17 Apr 2025 09:34

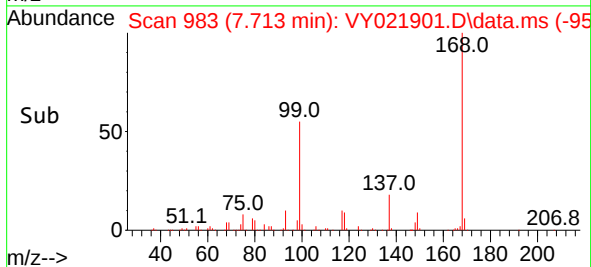
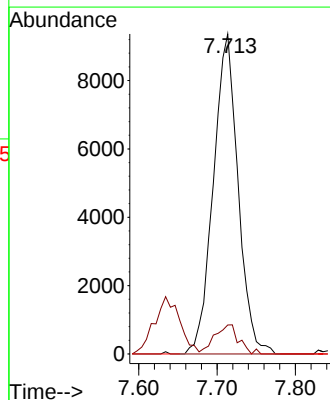
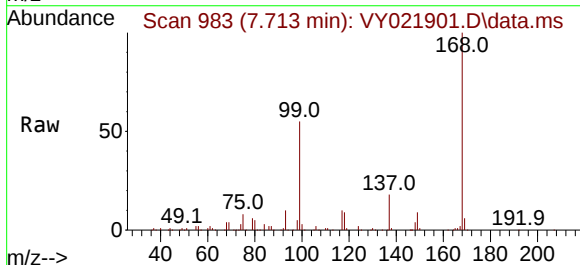
Instrument :
MSVOA_Y
ClientSampleId :
VY0417SBL01

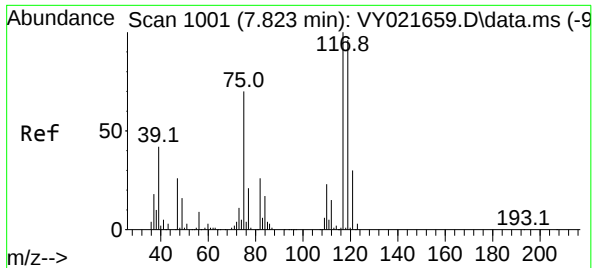
Tgt Ion:113 Resp: 149683
Ion Ratio Lower Upper
113 100
111 101.1 82.6 123.8
192 20.2 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.561 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY021901.D
Acq: 17 Apr 2025 09:34

Tgt Ion: 75 Resp: 20547
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.8 37.2#

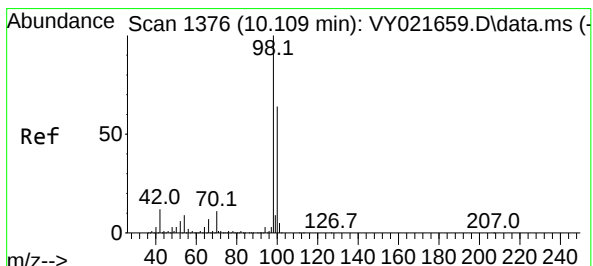
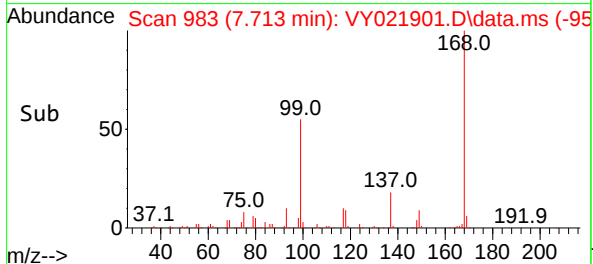
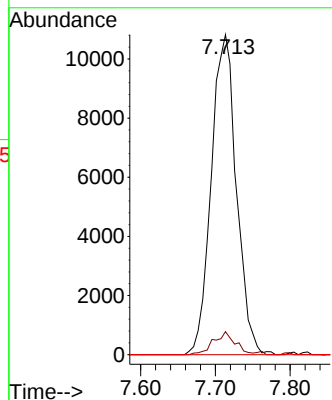
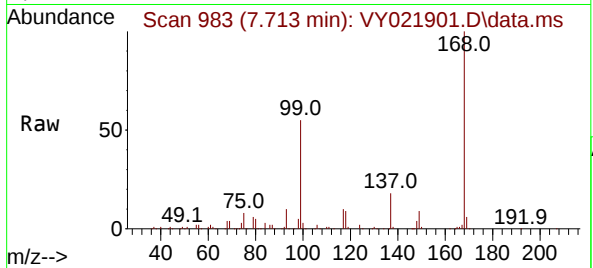




#38
Carbon Tetrachloride
Concen: 4.915 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY021901.D
Acq: 17 Apr 2025 09:34

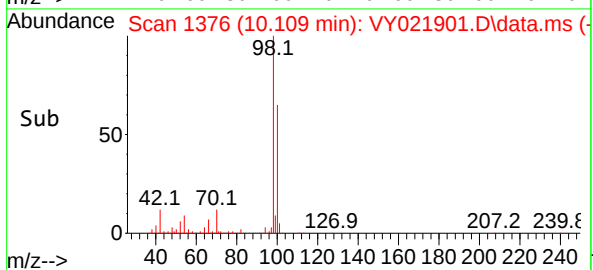
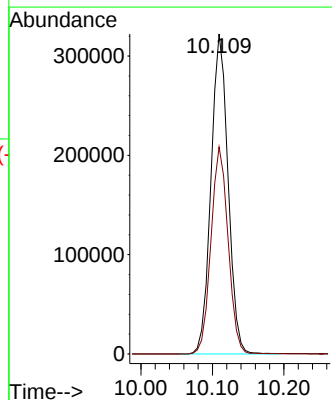
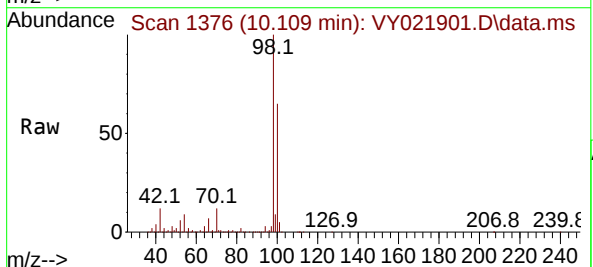
Instrument :
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ClientSampleId :
VY0417SBL01

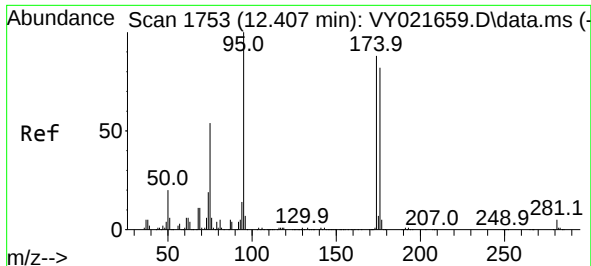
Tgt Ion:117 Resp: 25359
Ion Ratio Lower Upper
117 100
119 7.2 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 47.475 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021901.D
Acq: 17 Apr 2025 09:34

Tgt Ion: 98 Resp: 534168
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1

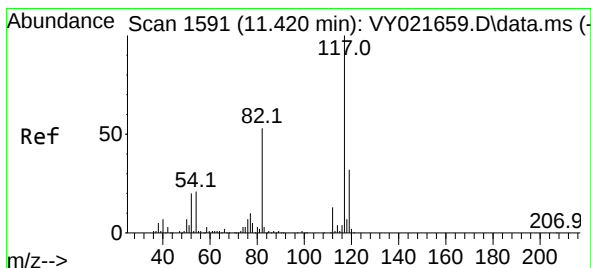
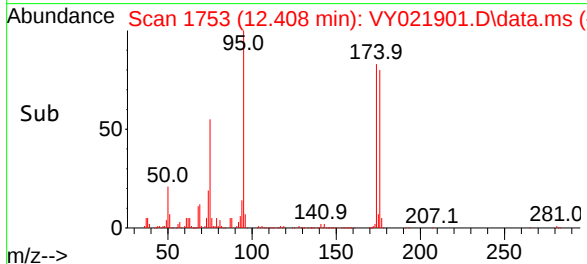
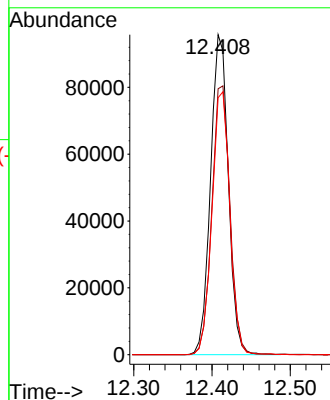
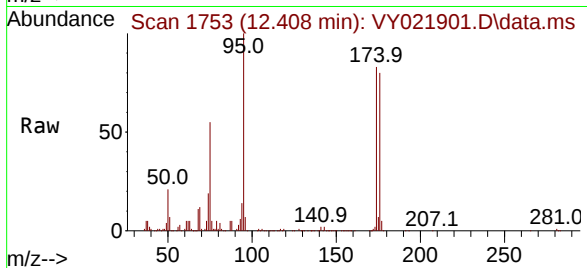




#62
4-Bromofluorobenzene
Concen: 39.631 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021901.D
Acq: 17 Apr 2025 09:34

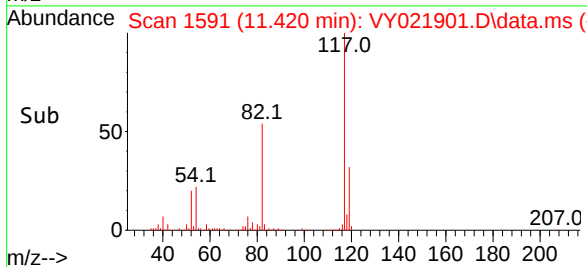
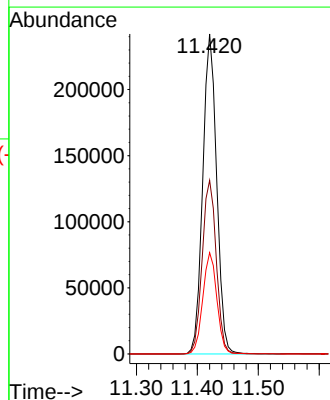
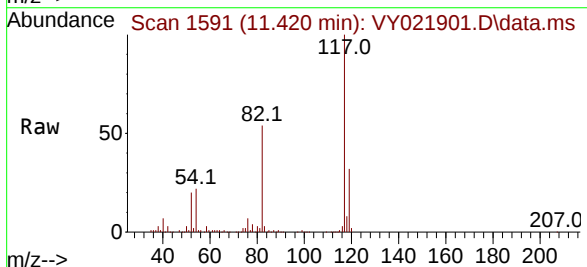
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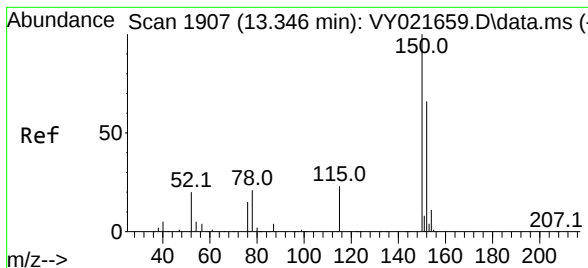
Tgt Ion: 95 Resp: 150825
Ion Ratio Lower Upper
95 100
174 85.5 0.0 170.8
176 83.0 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021901.D
Acq: 17 Apr 2025 09:34

Tgt Ion: 117 Resp: 384450
Ion Ratio Lower Upper
117 100
82 54.2 42.8 64.2
119 31.7 25.7 38.5

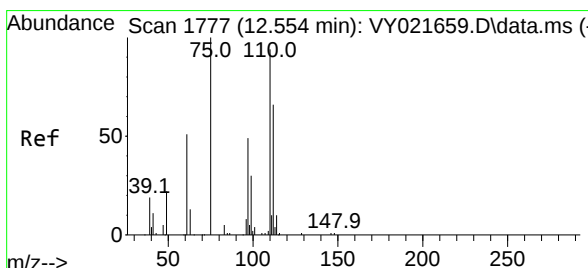
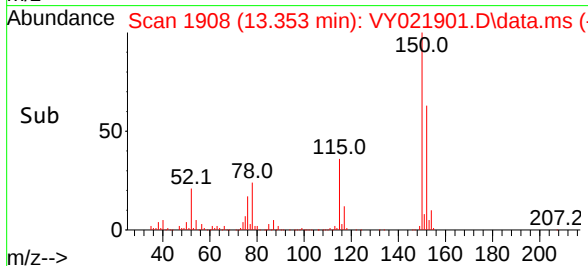
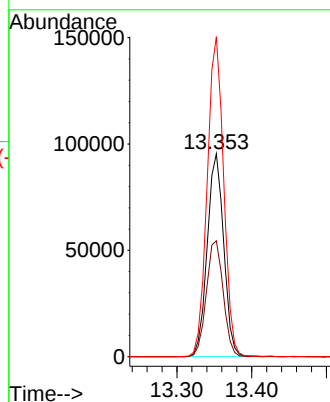
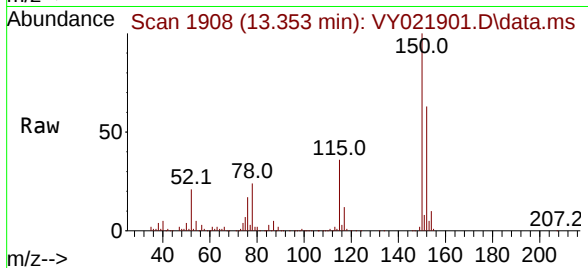




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1907
 Delta R.T. 0.006 min
 Lab File: VY021901.D
 Acq: 17 Apr 2025 09:34

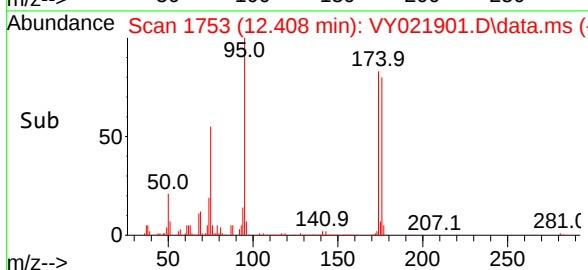
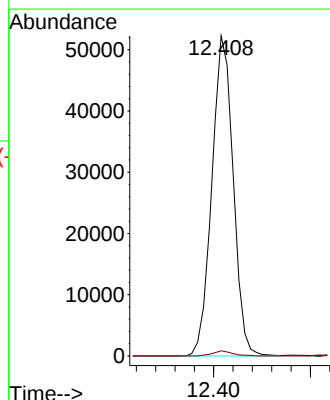
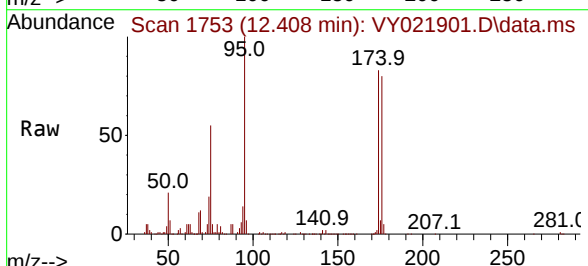
Instrument :
 MSVOA_Y
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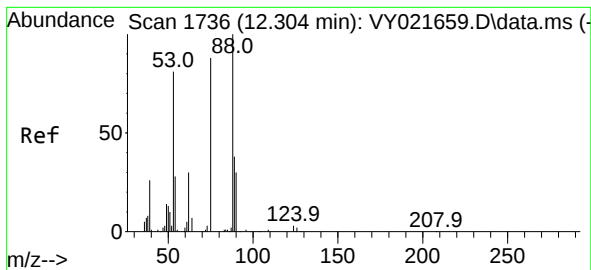
Tgt Ion:152 Resp: 145931
 Ion Ratio Lower Upper
 152 100
 115 58.5 28.8 86.5
 150 157.3 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 55.330 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY021901.D
 Acq: 17 Apr 2025 09:34

Tgt Ion: 75 Resp: 80037
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.489 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021901.D
 Acq: 17 Apr 2025 09:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0417SBL01

Tgt Ion: 75 Resp: 80037
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.1 114.1#
 89 0.0 36.2 54.4#

