

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023159.D
 Acq On : 19 Aug 2025 18:22
 Operator : SY/MD
 Sample : Q2888-01
 Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-210

Quant Time: Aug 20 01:34:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

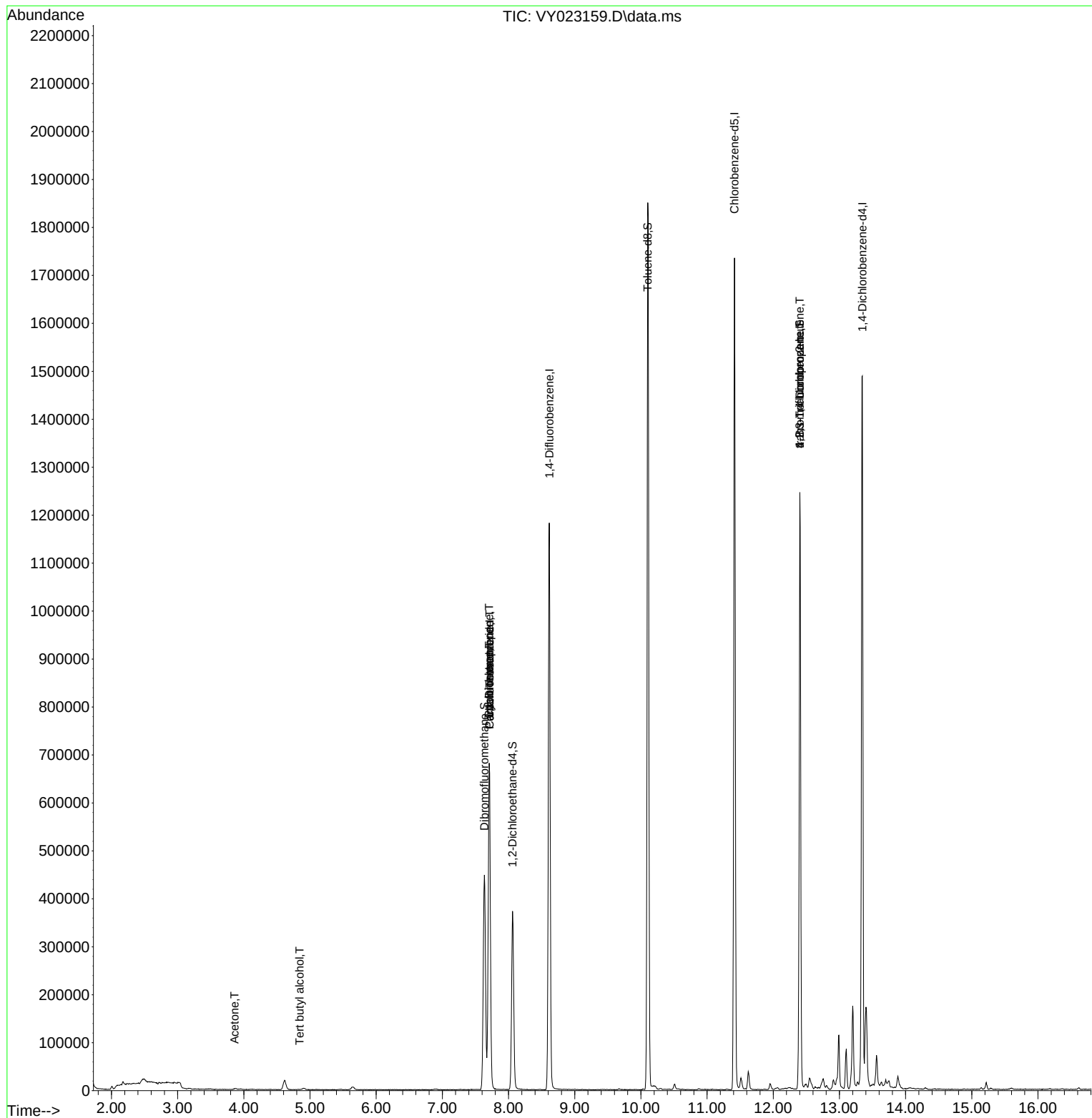
Internal Standards						
1) Pentafluorobenzene	7.713	168	532287	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1018245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	918479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	385927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	290822	57.327	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.660%	
35) Dibromofluoromethane	7.634	113	318864	52.334	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.660%	
50) Toluene-d8	10.103	98	1231317	51.731	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.460%	
62) 4-Bromofluorobenzene	12.401	95	367384	47.994	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.980%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	579	1.666	ug/l #	71
16) Acetone	3.860	43	4346	3.954	ug/l	89
20) Methylene Chloride	4.616	84	14755	Below Cal		95
31) Cyclohexane	7.707	56	10741	1.137	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	40887	4.515	ug/l #	50
38) Carbon Tetrachloride	7.713	117	52236	5.311	ug/l #	15
76) 1,2,3-Trichloropropane	12.401	75	191772	51.488	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	191772	124.636	ug/l #	14

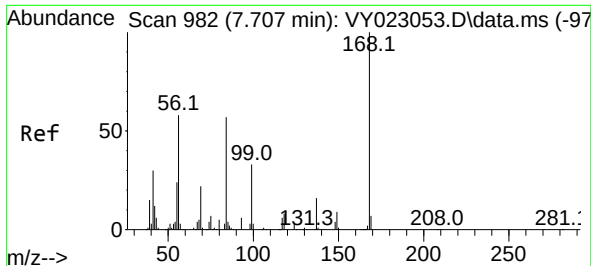
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_Y
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VNJ-210

Quant Time: Aug 20 01:34:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

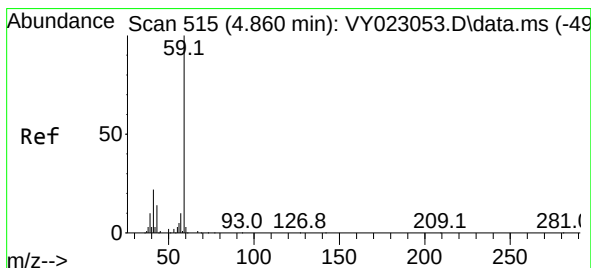
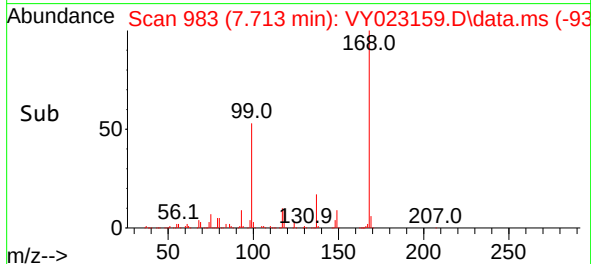
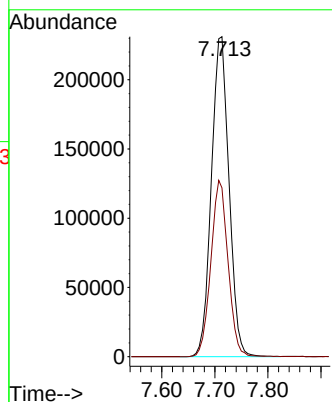
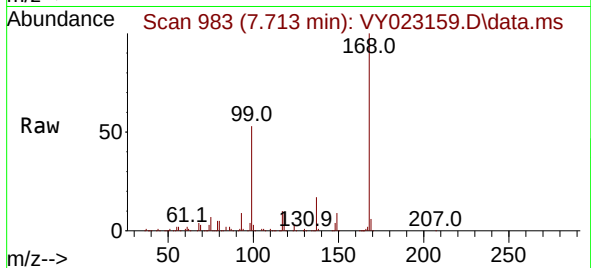




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023159.D
Acq: 19 Aug 2025 18:22

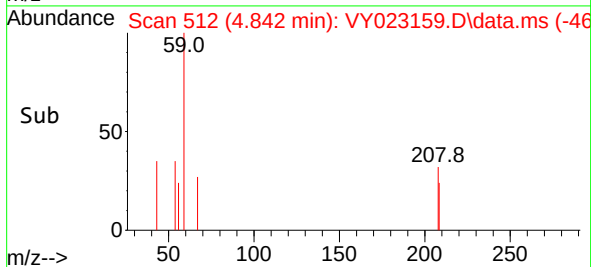
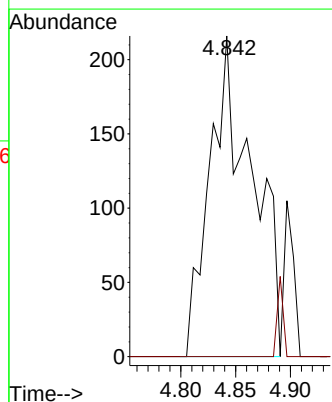
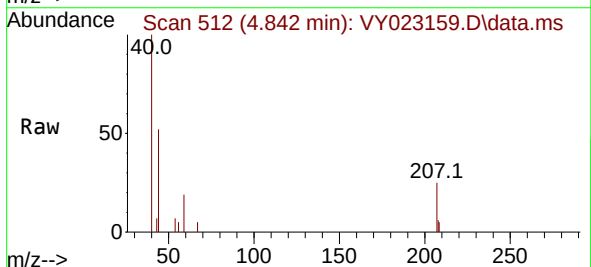
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210

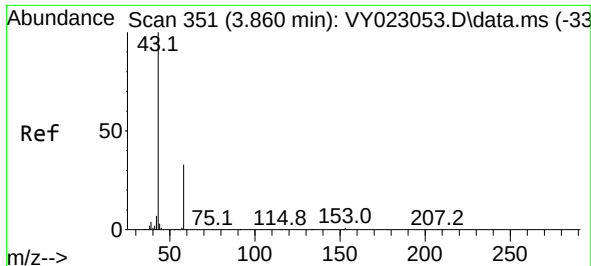
Tgt Ion:168 Resp: 532287
Ion Ratio Lower Upper
168 100
99 52.8 42.8 64.2



#11
Tert butyl alcohol
Concen: 1.666 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY023159.D
Acq: 19 Aug 2025 18:22

Tgt Ion: 59 Resp: 579
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#





#16

Acetone

Concen: 3.954 ug/l

RT: 3.860 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY023159.D

Acq: 19 Aug 2025 18:22

Instrument :

MSVOA_Y

ClientSampleId :

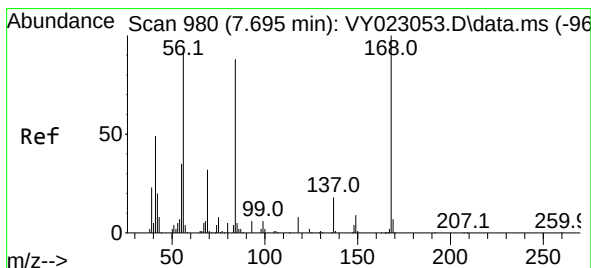
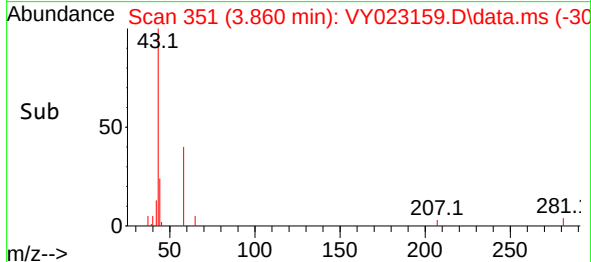
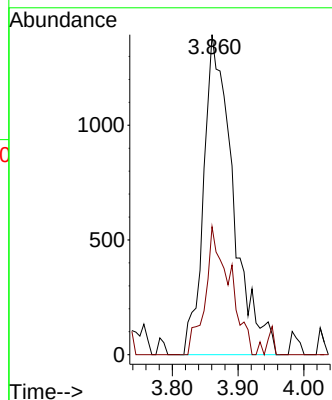
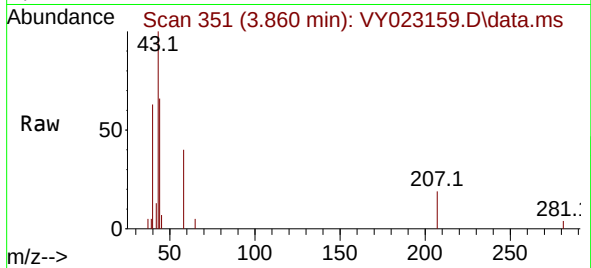
VNJ-210

Tgt Ion: 43 Resp: 4346

Ion Ratio Lower Upper

43 100

58 40.0 27.1 40.7



#31

Cyclohexane

Concen: 1.137 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.012 min

Lab File: VY023159.D

Acq: 19 Aug 2025 18:22

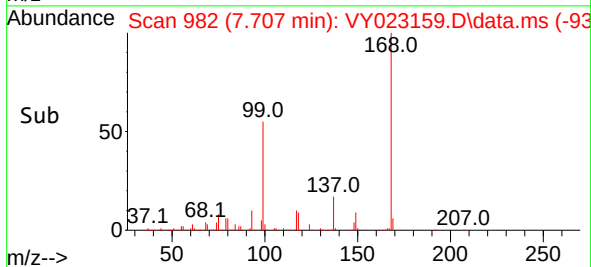
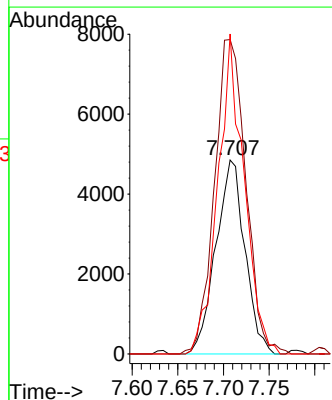
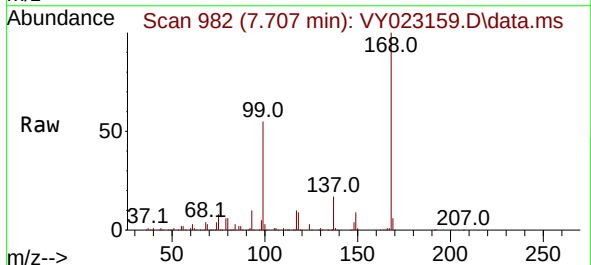
Tgt Ion: 56 Resp: 10741

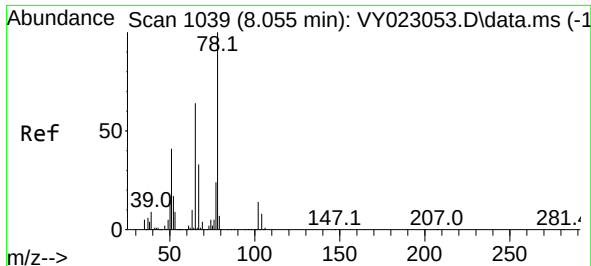
Ion Ratio Lower Upper

56 100

69 162.2 28.2 42.2#

84 165.1 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 57.327 ug/l

RT: 8.061 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY023159.D

Acq: 19 Aug 2025 18:22

Instrument :

MSVOA_Y

ClientSampleId :

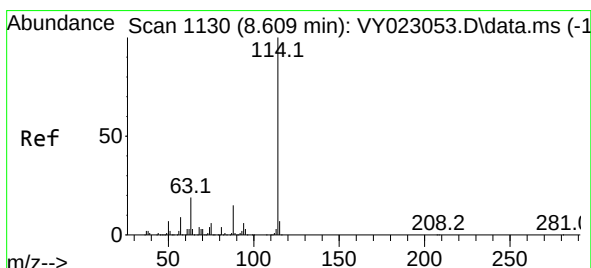
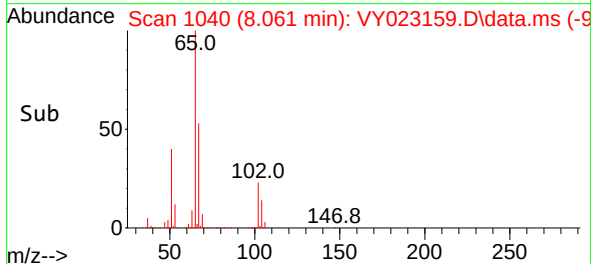
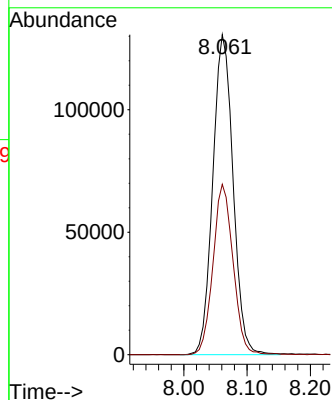
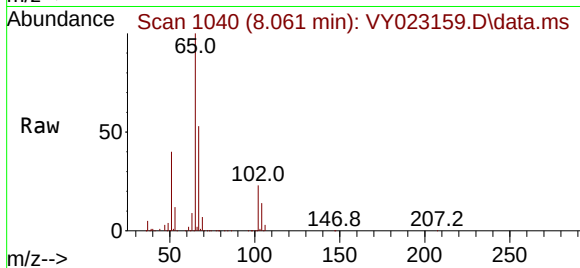
VNJ-210

Tgt Ion: 65 Resp: 290822

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023159.D

Acq: 19 Aug 2025 18:22

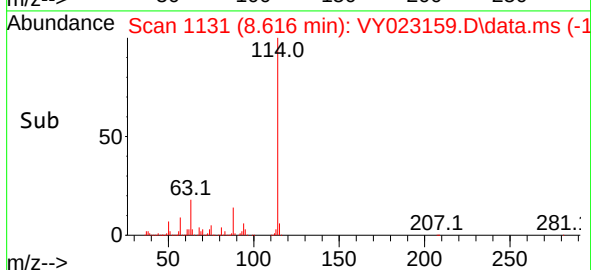
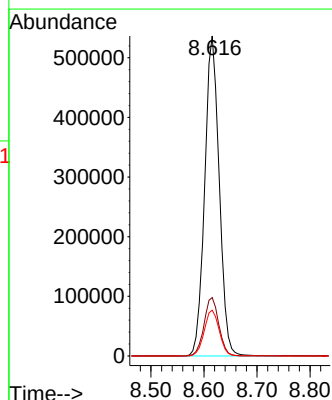
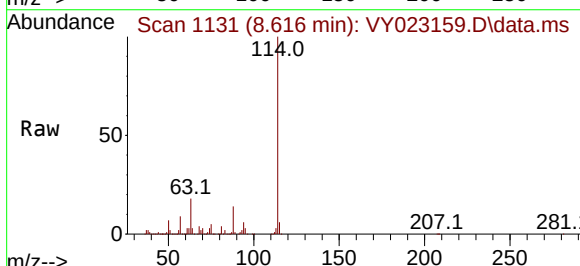
Tgt Ion:114 Resp: 1018245

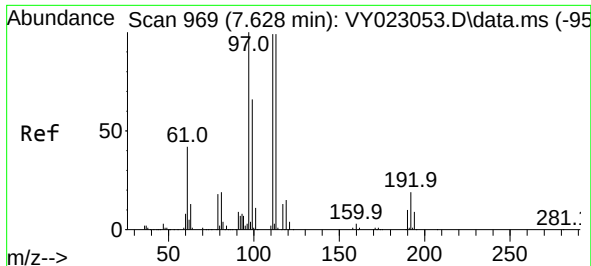
Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

88 14.3 0.0 30.0

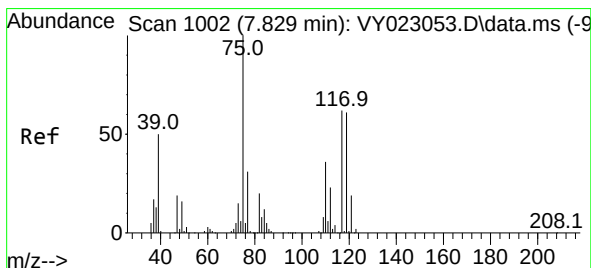
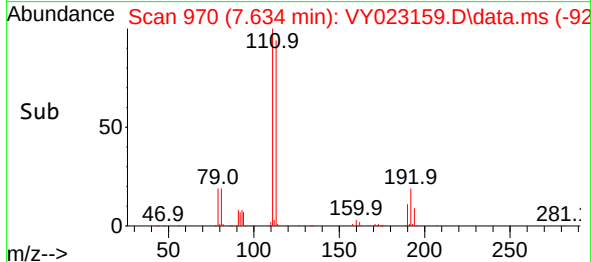
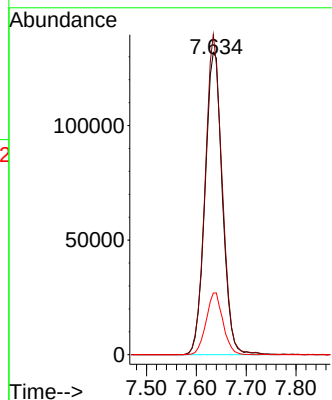
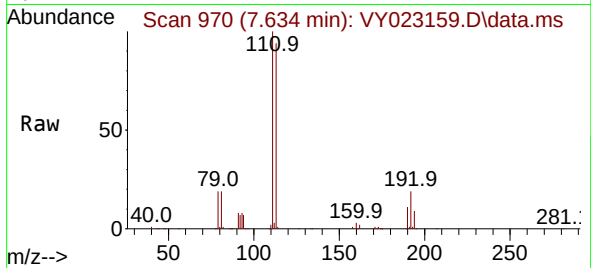




#35
Dibromofluoromethane
Concen: 52.334 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023159.D
Acq: 19 Aug 2025 18:22

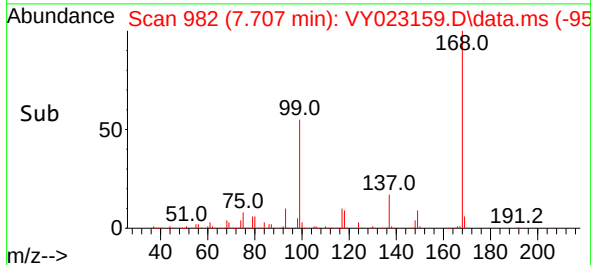
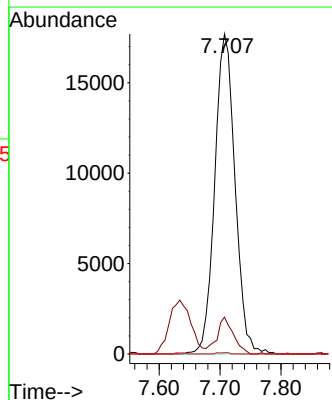
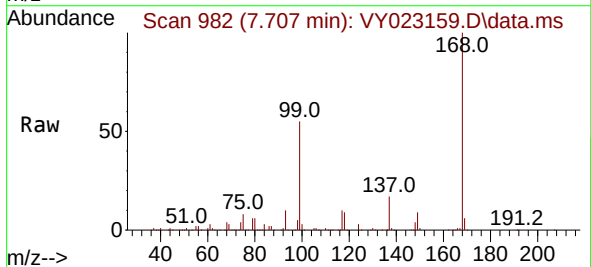
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210

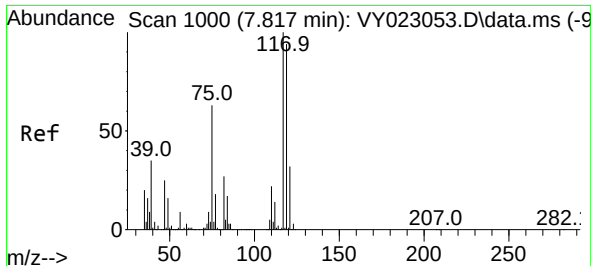
Tgt Ion:113 Resp: 318864
Ion Ratio Lower Upper
113 100
111 103.3 81.1 121.7
192 19.9 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.515 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023159.D
Acq: 19 Aug 2025 18:22

Tgt Ion: 75 Resp: 40887
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.4#
77 0.2 24.6 37.0#

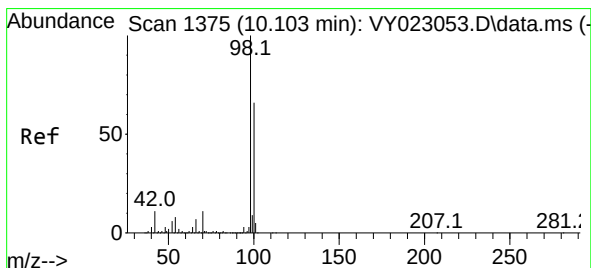
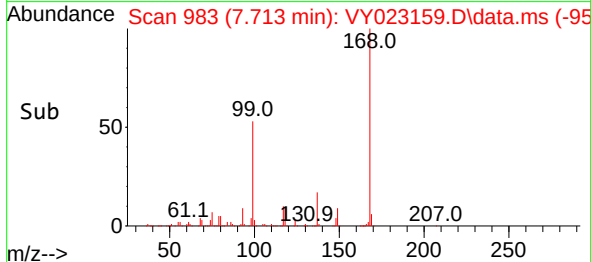
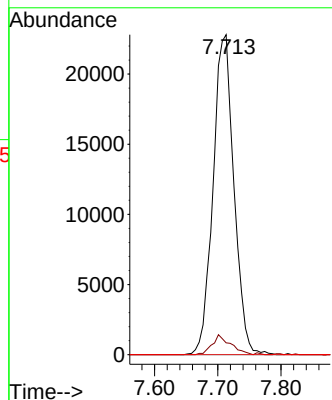
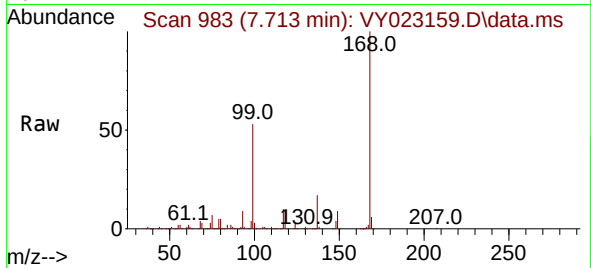




#38
Carbon Tetrachloride
Concen: 5.311 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023159.D
Acq: 19 Aug 2025 18:22

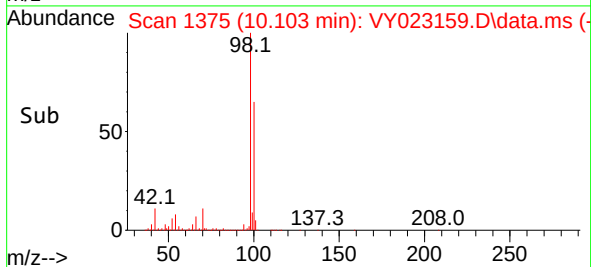
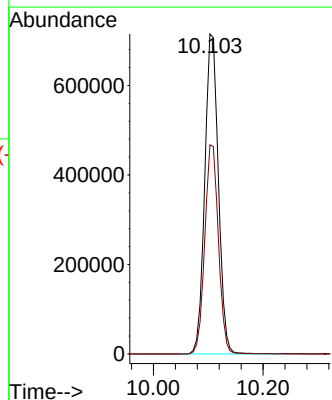
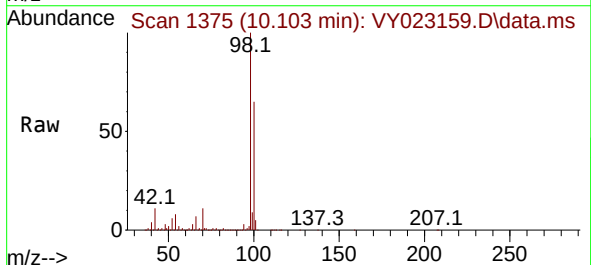
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210

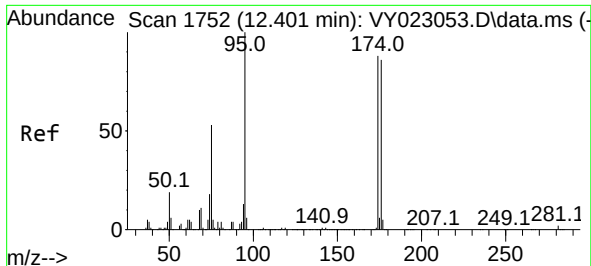
Tgt Ion:117 Resp: 52236
Ion Ratio Lower Upper
117 100
119 3.7 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.731 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023159.D
Acq: 19 Aug 2025 18:22

Tgt Ion: 98 Resp: 1231317
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5

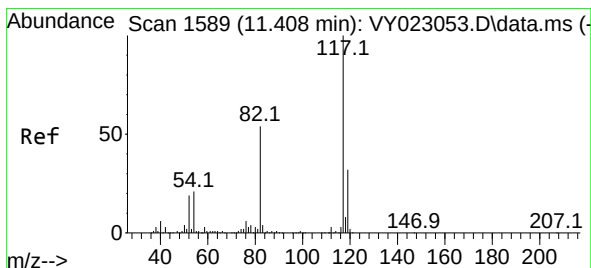
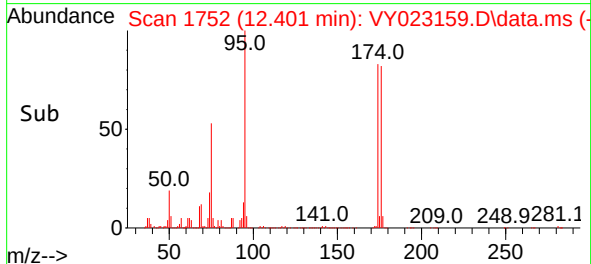
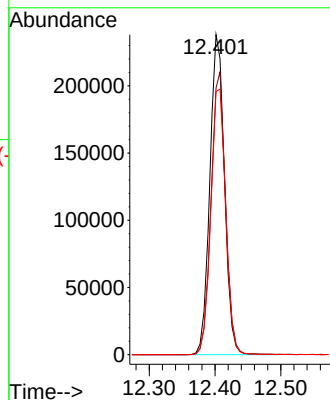
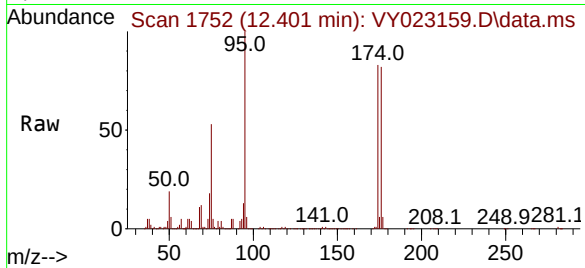




#62
4-Bromofluorobenzene
Concen: 47.994 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023159.D
Acq: 19 Aug 2025 18:22

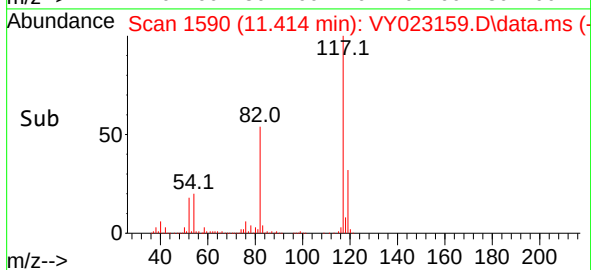
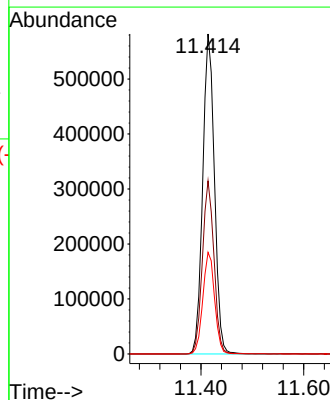
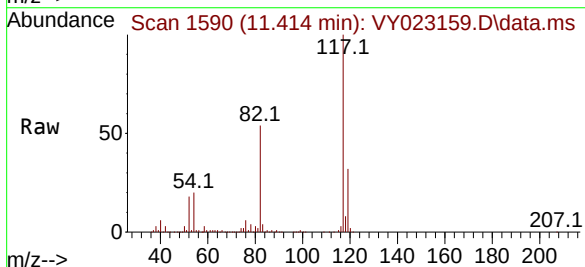
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VNJ-210

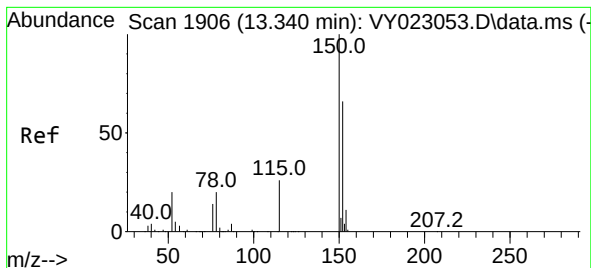
Tgt Ion: 95 Resp: 367384
Ion Ratio Lower Upper
95 100
174 88.1 0.0 171.6
176 84.9 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023159.D
Acq: 19 Aug 2025 18:22

Tgt Ion: 117 Resp: 918479
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 31.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023159.D

Acq: 19 Aug 2025 18:22

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-210

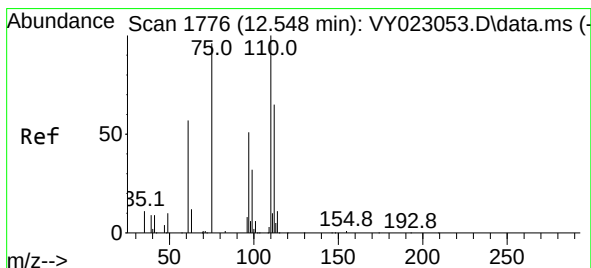
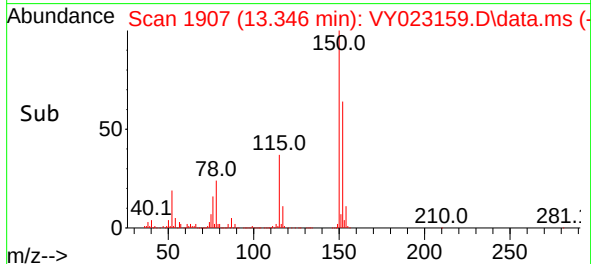
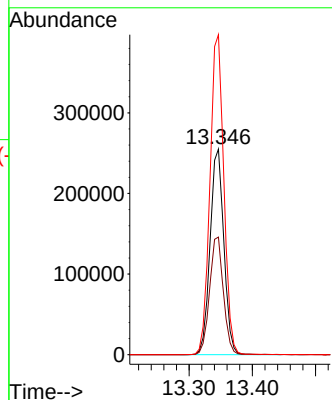
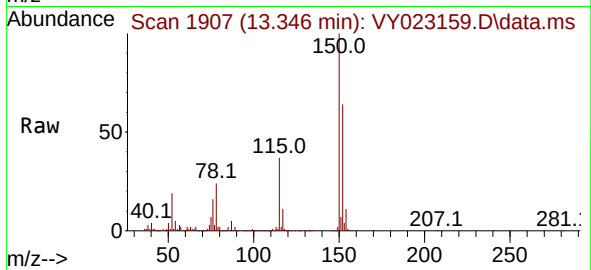
Tgt Ion:152 Resp: 385927

Ion Ratio Lower Upper

152 100

115 57.4 28.2 84.6

150 156.5 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 51.488 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023159.D

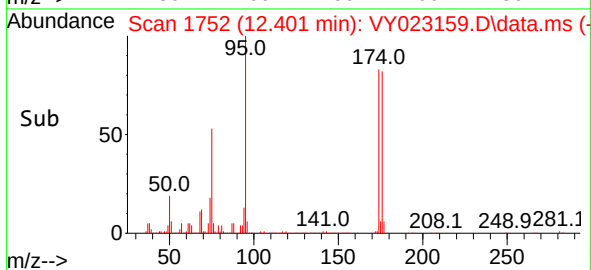
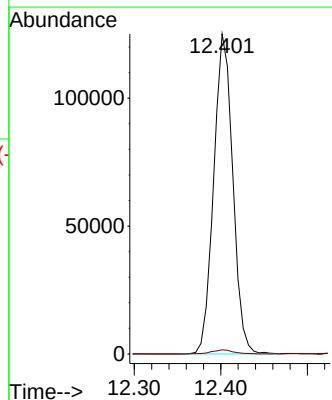
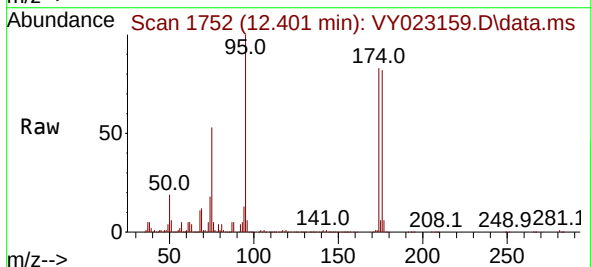
Acq: 19 Aug 2025 18:22

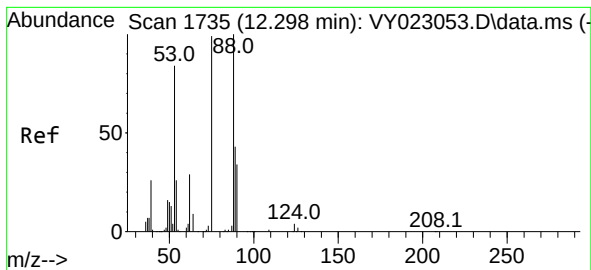
Tgt Ion: 75 Resp: 191772

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.636 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023159.D
 Acq: 19 Aug 2025 18:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-210

Tgt Ion: 75 Resp: 191772
 Ion Ratio Lower Upper
 75 100
 53 0.7 70.8 106.2#
 89 0.0 38.1 57.1#

