

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023133.D
 Acq On : 15 Aug 2025 18:19
 Operator : SY/MD
 Sample : Q2884-01
 Misc : 5.35g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-232

Quant Time: Aug 18 02:33:11 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)

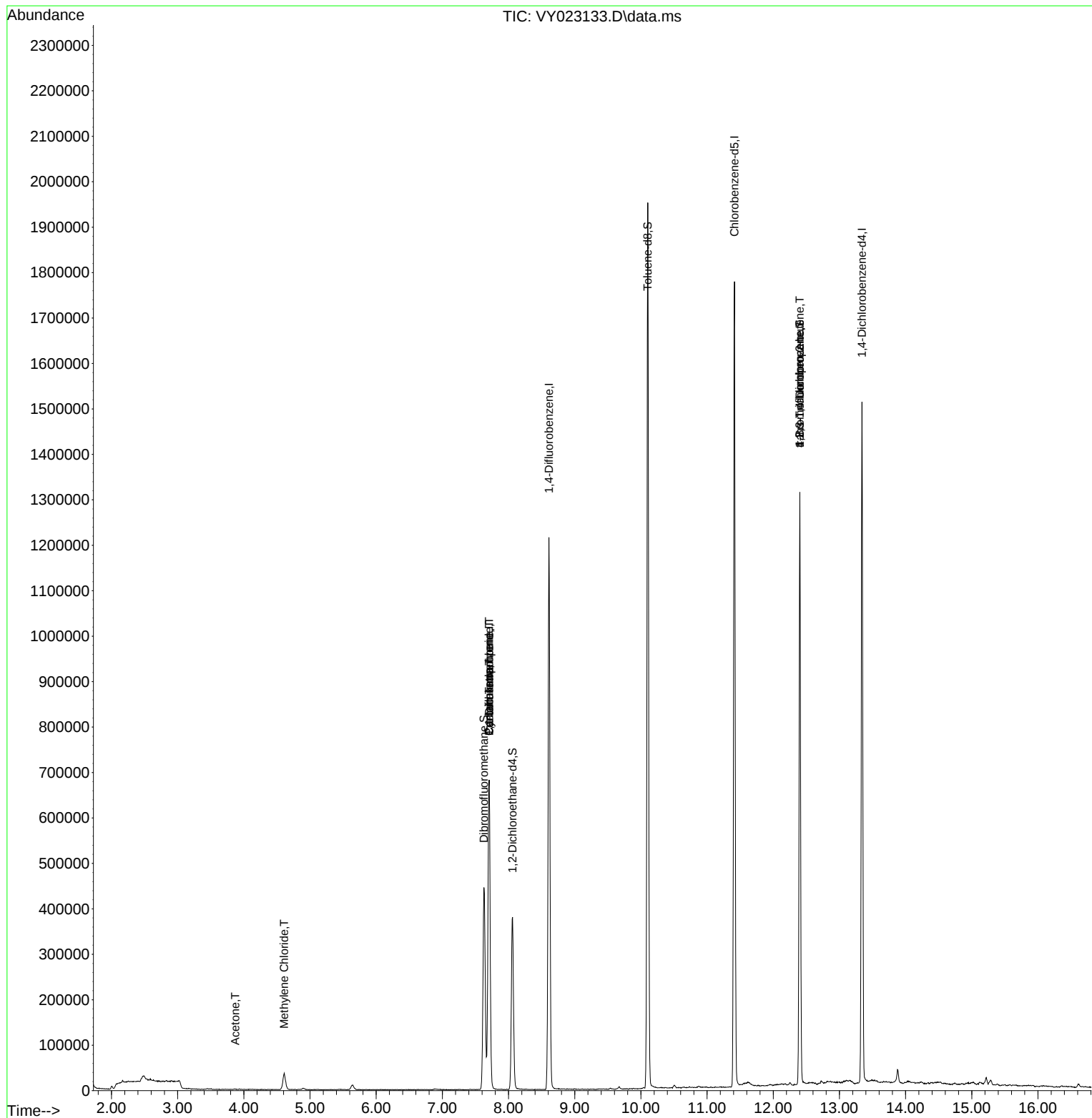
Internal Standards						
1) Pentafluorobenzene	7.707	168	540508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1025113	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	925439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	373243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	300750	58.382	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.760%	
35) Dibromofluoromethane	7.628	113	312639	50.969	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.940%	
50) Toluene-d8	10.103	98	1241952	51.828	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.660%	
62) 4-Bromofluorobenzene	12.401	95	381304	49.479	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.960%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	1555	1.393	ug/l #	64
20) Methylene Chloride	4.610	84	25279	1.735	ug/l	89
31) Cyclohexane	7.707	56	11729	1.222	ug/l #	7
36) 1,1-Dichloropropene	7.707	75	42642	4.678	ug/l #	49
38) Carbon Tetrachloride	7.707	117	53835	5.437	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	203998	56.632	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	203998	137.087	ug/l #	14

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

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Quant Time: Aug 18 02:33:11 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

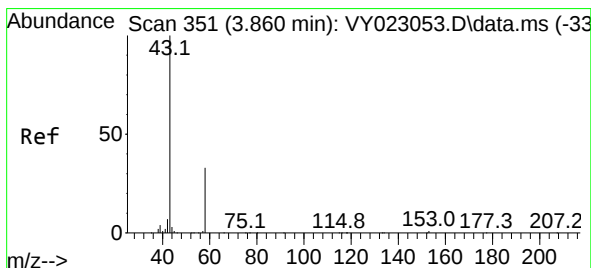
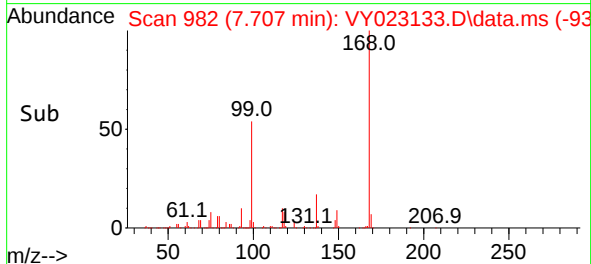
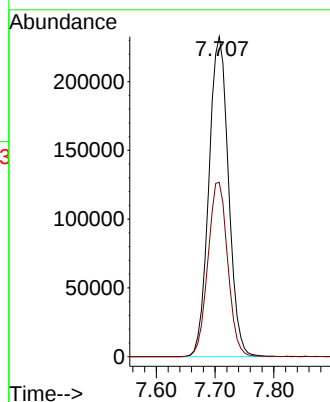
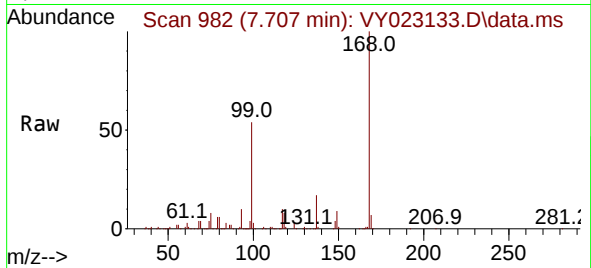




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023133.D
Acq: 15 Aug 2025 18:19

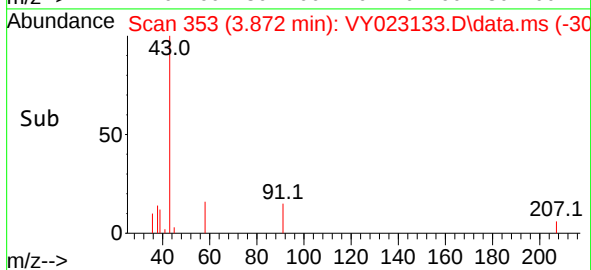
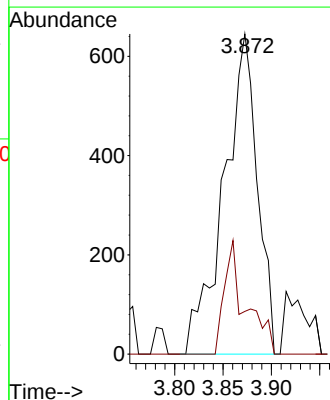
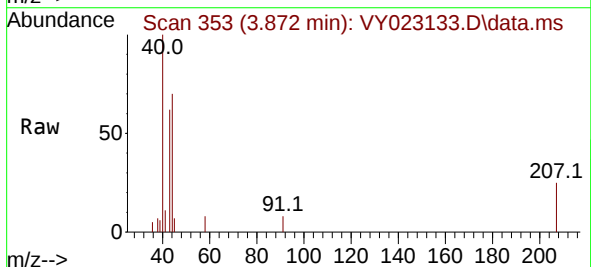
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-232

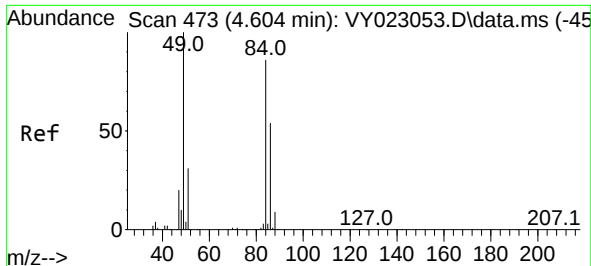
Tgt Ion:168 Resp: 540508
Ion Ratio Lower Upper
168 100
99 54.5 42.8 64.2



#16
Acetone
Concen: 1.393 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023133.D
Acq: 15 Aug 2025 18:19

Tgt Ion: 43 Resp: 1555
Ion Ratio Lower Upper
43 100
58 13.3 27.1 40.7#

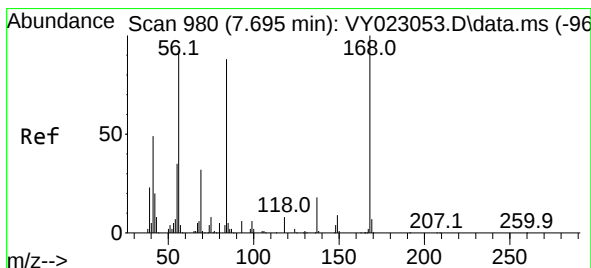
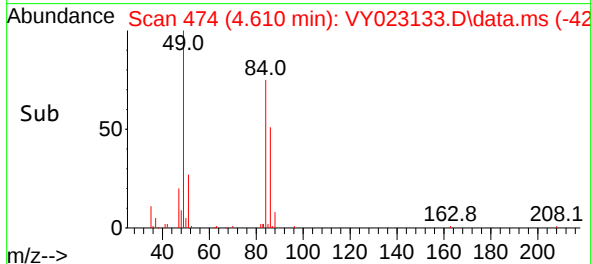
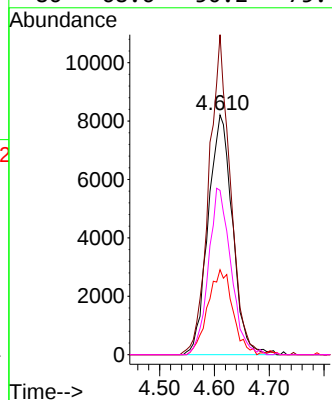
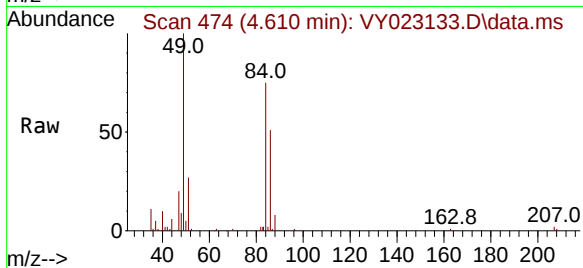




#20
Methylene Chloride
Concen: 1.735 ug/l
RT: 4.610 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023133.D
Acq: 15 Aug 2025 18:19

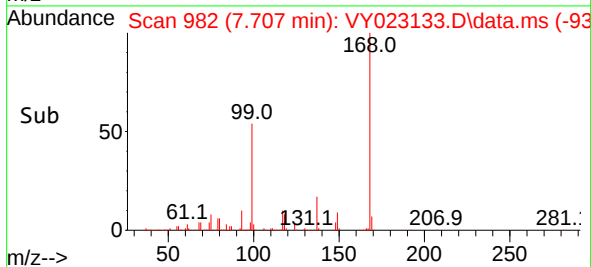
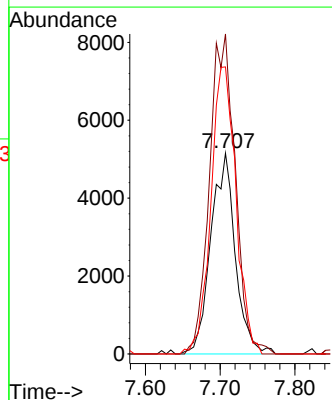
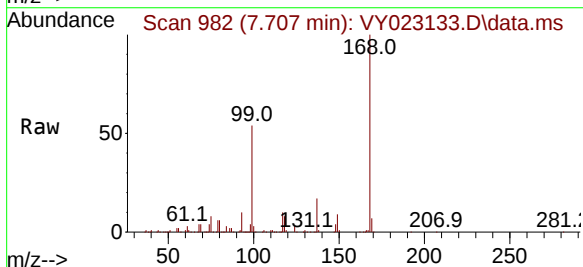
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-232

Tgt Ion:	84	Resp:	25279
Ion	Ratio	Lower	Upper
84	100		
49	133.5	93.0	139.6
51	35.5	29.0	43.4
86	68.6	50.2	75.4



#31
Cyclohexane
Concen: 1.222 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023133.D
Acq: 15 Aug 2025 18:19

Tgt Ion:	56	Resp:	11729
Ion	Ratio	Lower	Upper
56	100		
69	159.4	28.2	42.2#
84	143.0	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 58.382 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023133.D

Acq: 15 Aug 2025 18:19

Instrument :

MSVOA_Y

ClientSampleId :

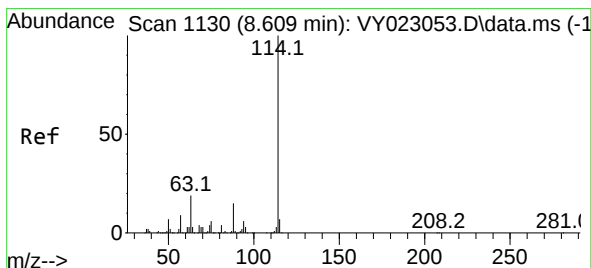
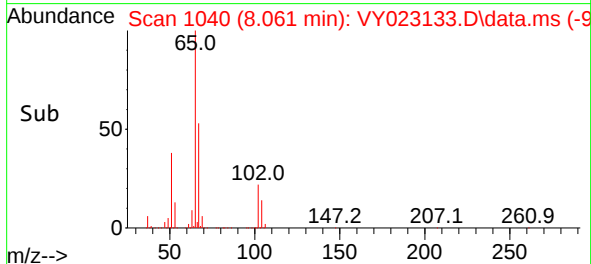
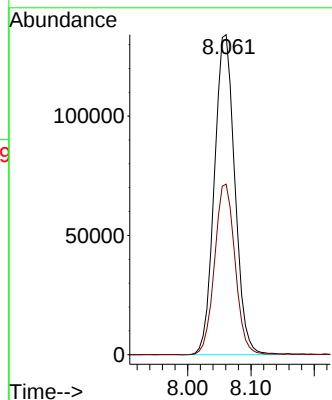
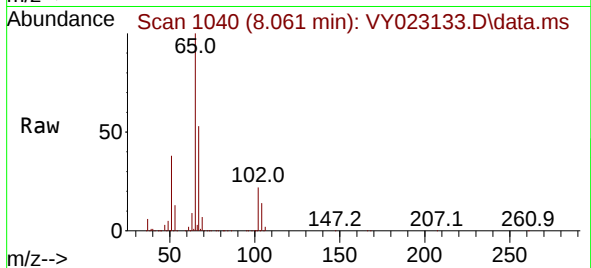
VNJ-232

Tgt Ion: 65 Resp: 300750

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023133.D

Acq: 15 Aug 2025 18:19

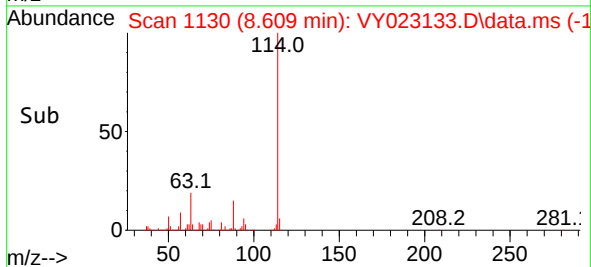
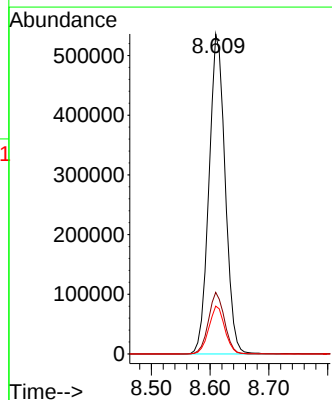
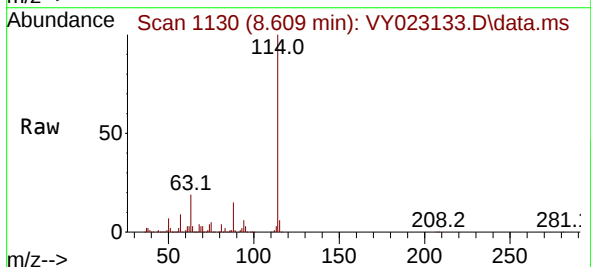
Tgt Ion: 114 Resp: 1025113

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

88 14.9 0.0 30.0

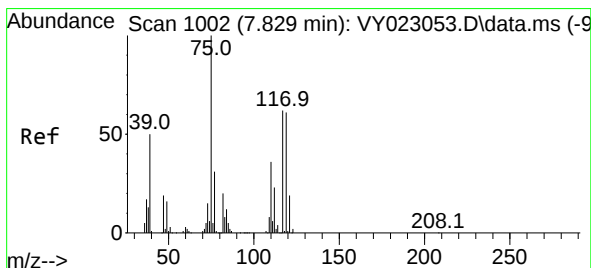
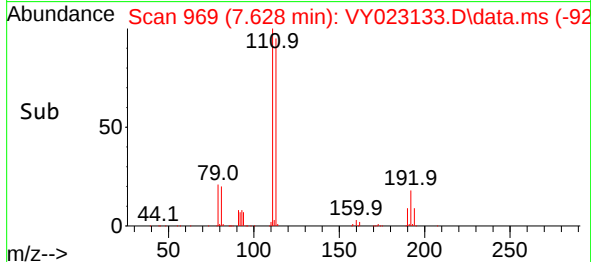
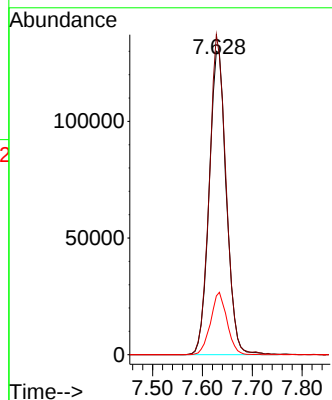
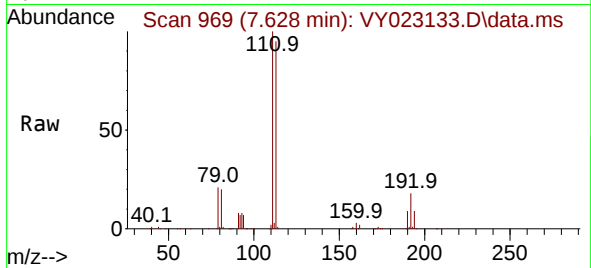




#35
Dibromofluoromethane
Concen: 50.969 ug/l
RT: 7.628 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY023133.D
Acq: 15 Aug 2025 18:19

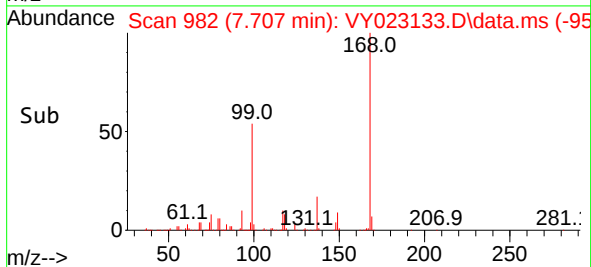
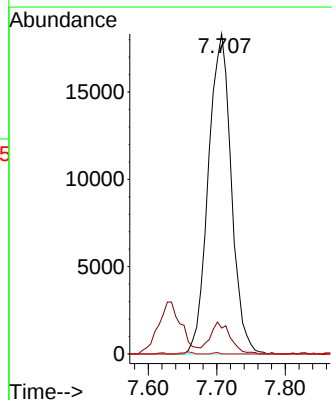
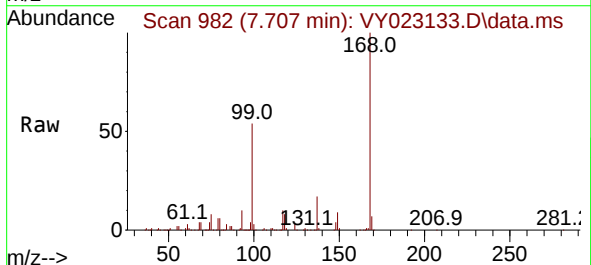
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-232

Tgt Ion:113 Resp: 312639
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 19.6 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.678 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023133.D
Acq: 15 Aug 2025 18:19

Tgt Ion: 75 Resp: 42642
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.1 24.6 37.0#

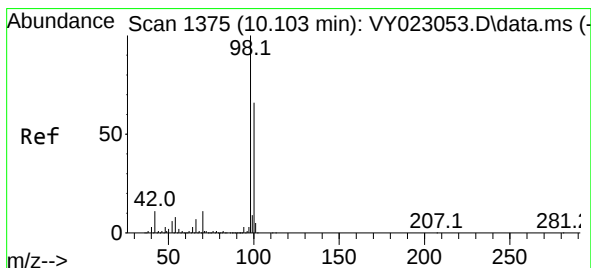
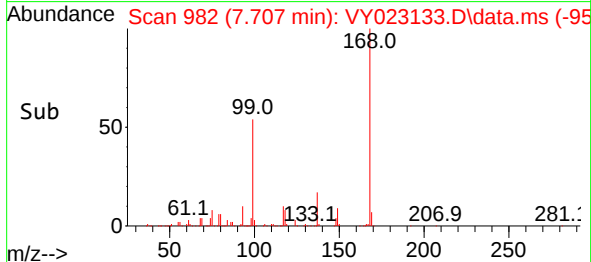
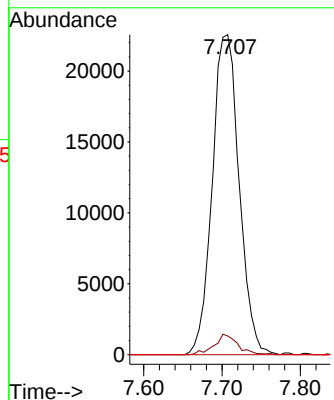
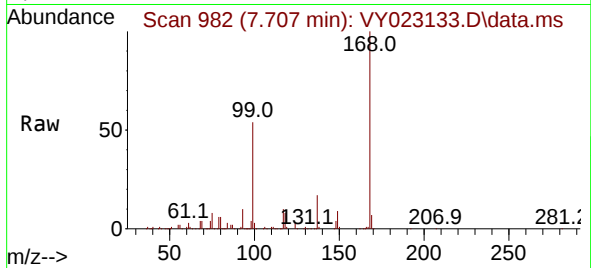




#38
Carbon Tetrachloride
Concen: 5.437 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023133.D
Acq: 15 Aug 2025 18:19

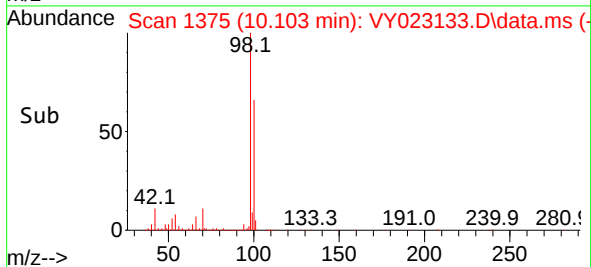
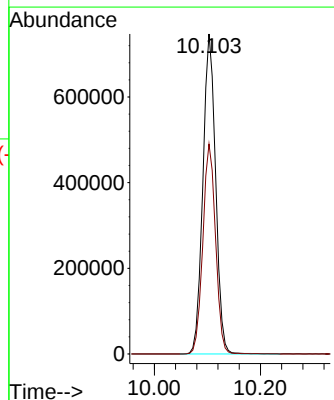
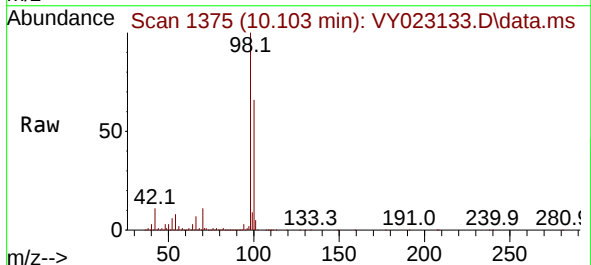
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-232

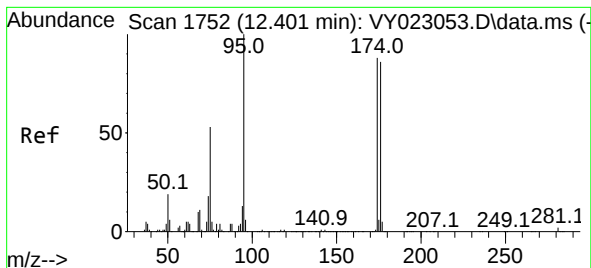
Tgt Ion:117 Resp: 53835
Ion Ratio Lower Upper
117 100
119 5.9 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.828 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023133.D
Acq: 15 Aug 2025 18:19

Tgt Ion: 98 Resp: 1241952
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5

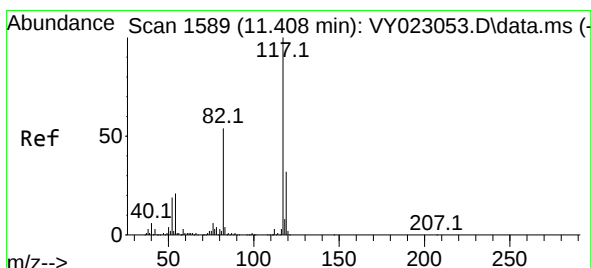
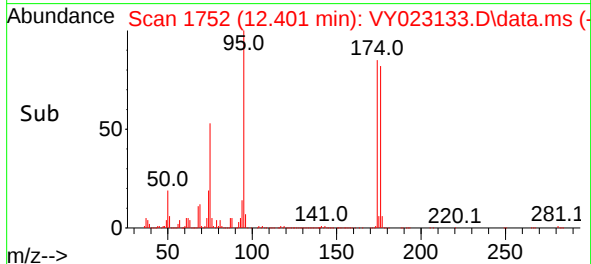
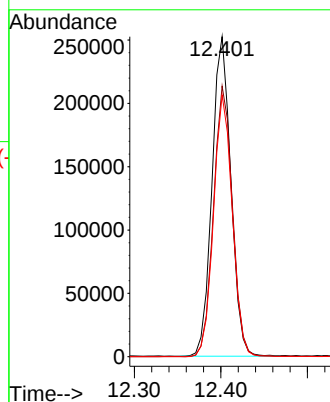
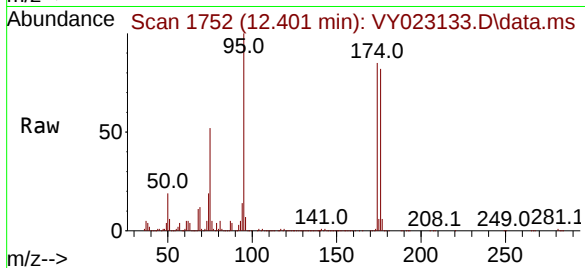




#62
4-Bromofluorobenzene
Concen: 49.479 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023133.D
Acq: 15 Aug 2025 18:19

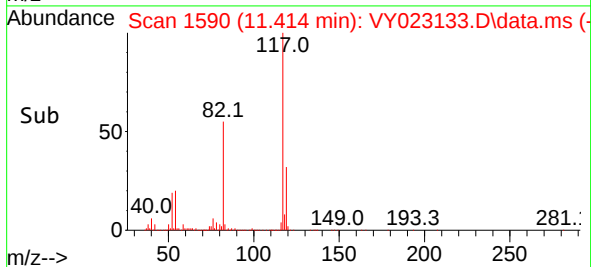
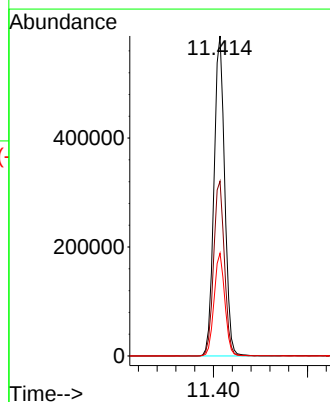
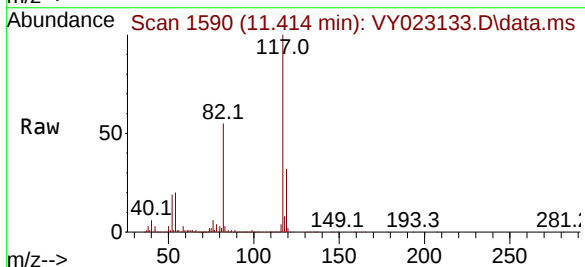
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-232

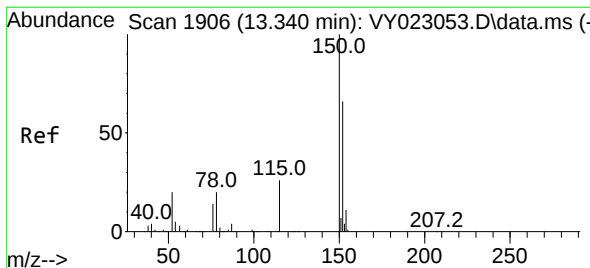
Tgt Ion: 95 Resp: 381304
Ion Ratio Lower Upper
95 100
174 85.4 0.0 171.6
176 81.6 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023133.D
Acq: 15 Aug 2025 18:19

Tgt Ion: 117 Resp: 925439
Ion Ratio Lower Upper
117 100
82 54.6 43.4 65.0
119 32.1 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023133.D

Acq: 15 Aug 2025 18:19

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-232

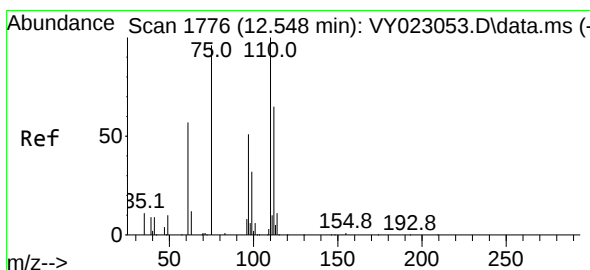
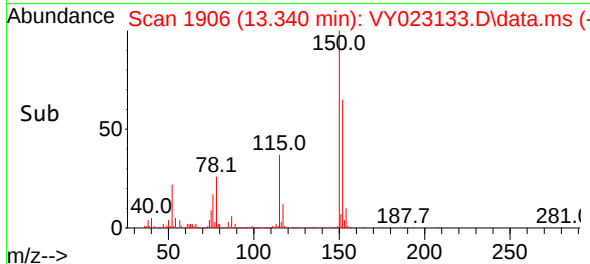
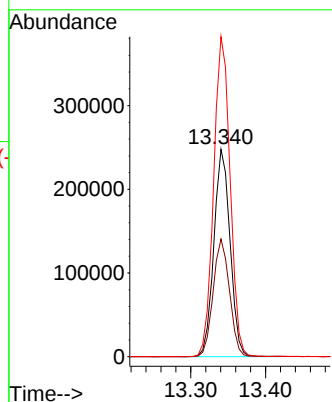
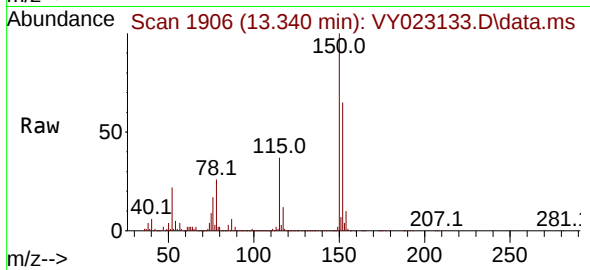
Tgt Ion:152 Resp: 373243

Ion Ratio Lower Upper

152 100

115 57.1 28.2 84.6

150 156.8 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 56.632 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023133.D

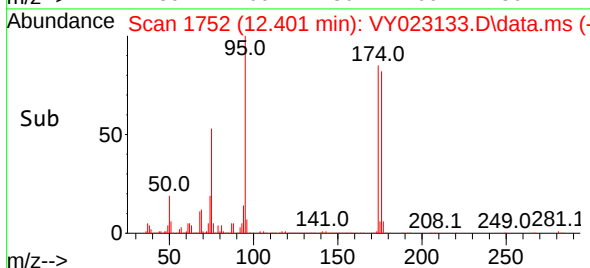
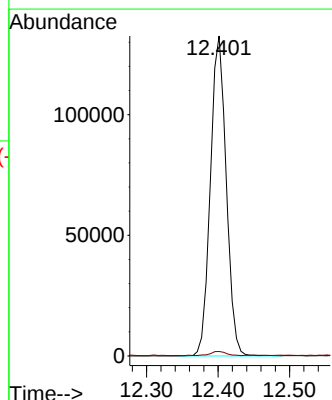
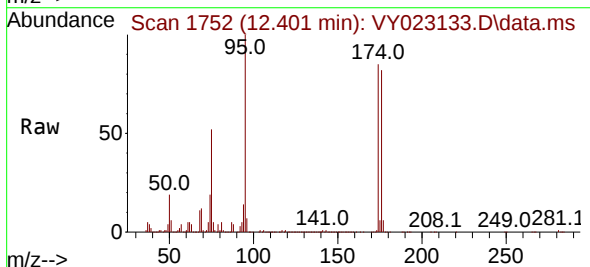
Acq: 15 Aug 2025 18:19

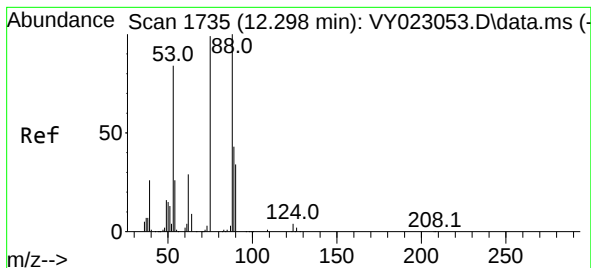
Tgt Ion: 75 Resp: 203998

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.087 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023133.D
 Acq: 15 Aug 2025 18:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-232

Tgt Ion: 75 Resp: 203998
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.0 38.1 57.1#

