

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
 Data File : VY023739.D
 Acq On : 11 Nov 2025 14:50
 Operator : SY/MD
 Sample : Q3581-03
 Misc : 5.83g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-245

Quant Time: Nov 12 03:37:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

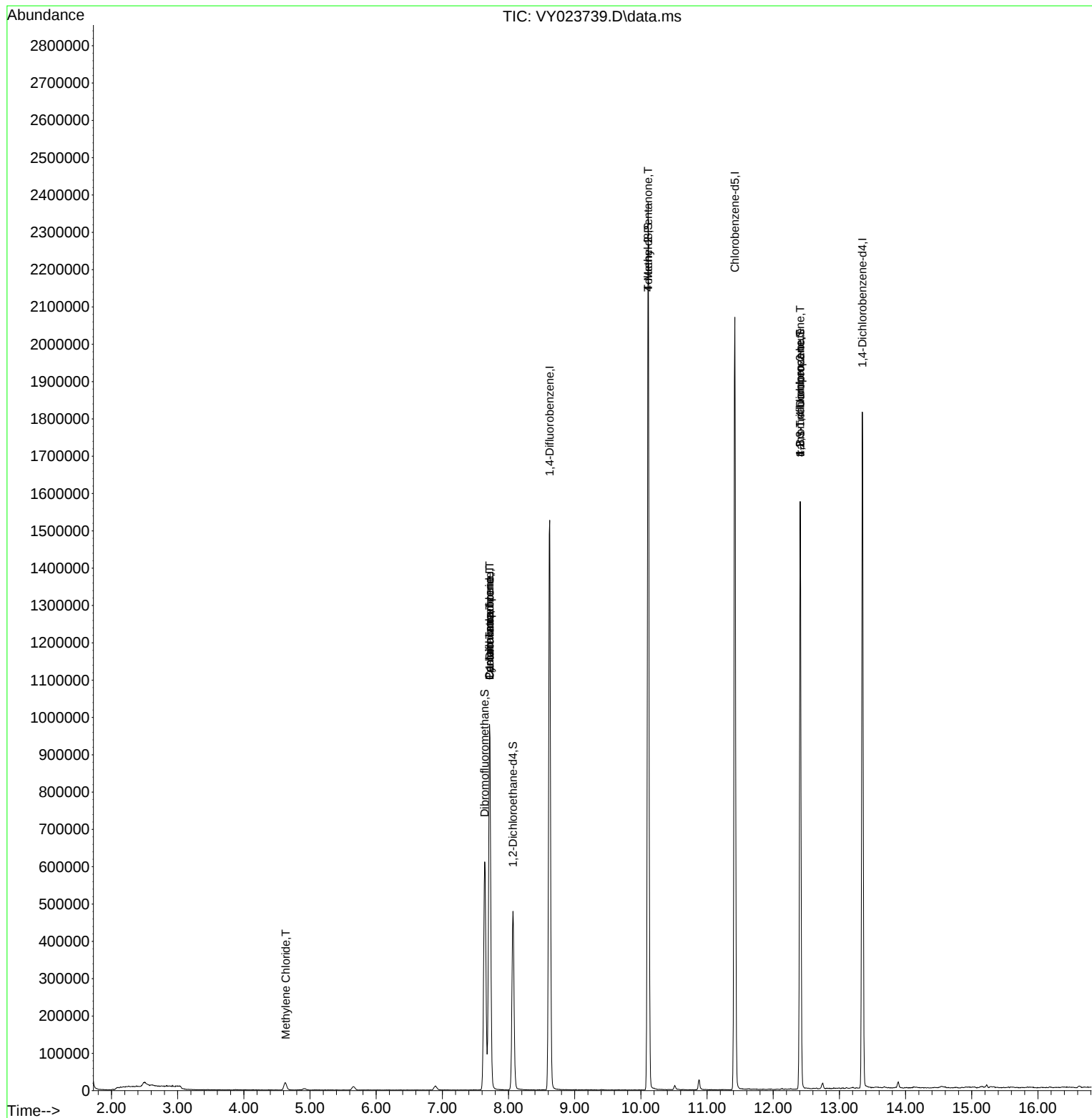
Internal Standards						
1) Pentafluorobenzene	7.713	168	834542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1410415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1196315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	490073	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	371837	53.283	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.560%	
35) Dibromofluoromethane	7.640	113	443367	51.160	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.320%	
50) Toluene-d8	10.109	98	1577728	48.885	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.780%	
62) 4-Bromofluorobenzene	12.408	95	459740	43.146	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.300%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.635	84	16326	1.817	ug/l	93
31) Cyclohexane	7.713	56	13203	1.137	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	53133	4.631	ug/l #	48
38) Carbon Tetrachloride	7.713	117	74673	5.368	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	5604	1.197	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	220946	51.101	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	220946	125.308	ug/l #	15

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

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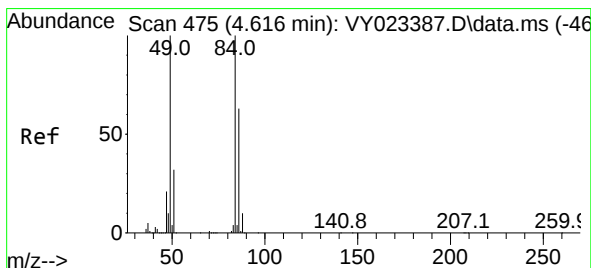
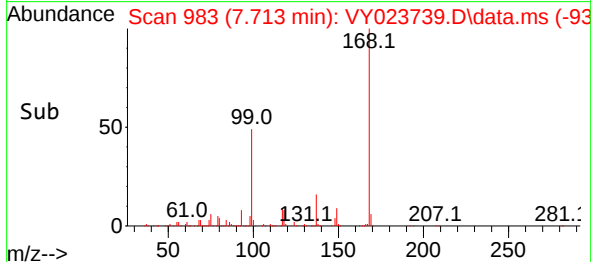
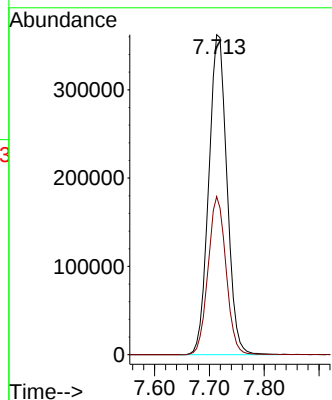
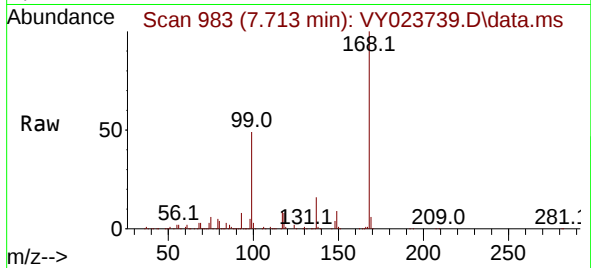




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023739.D
Acq: 11 Nov 2025 14:50

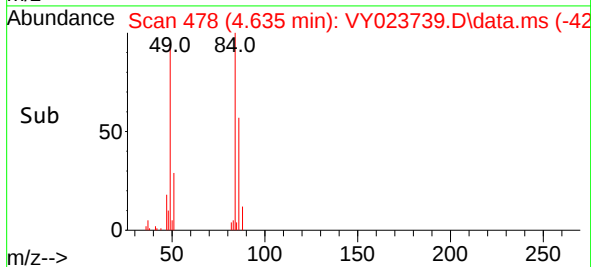
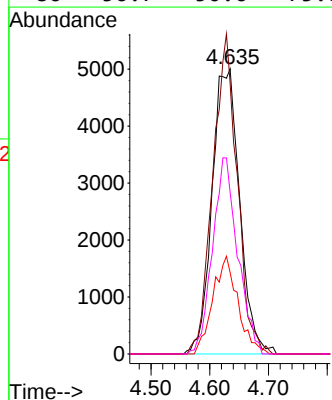
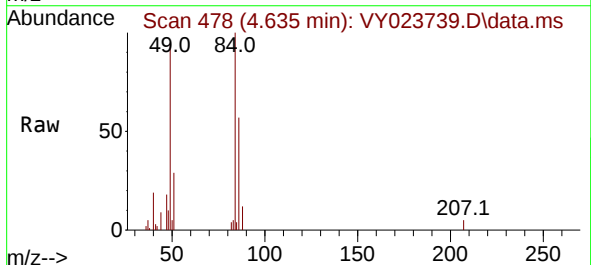
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-245

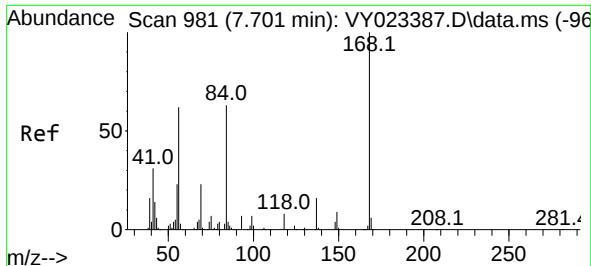
Tgt Ion:168 Resp: 834542
Ion Ratio Lower Upper
168 100
99 49.4 39.7 59.5



#20
Methylene Chloride
Concen: 1.817 ug/l
RT: 4.635 min Scan# 478
Delta R.T. 0.018 min
Lab File: VY023739.D
Acq: 11 Nov 2025 14:50

Tgt Ion: 84 Resp: 16326
Ion Ratio Lower Upper
84 100
49 95.0 80.2 120.4
51 28.5 25.9 38.9
86 56.7 50.6 75.8

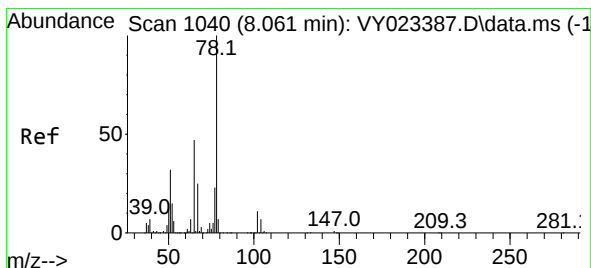
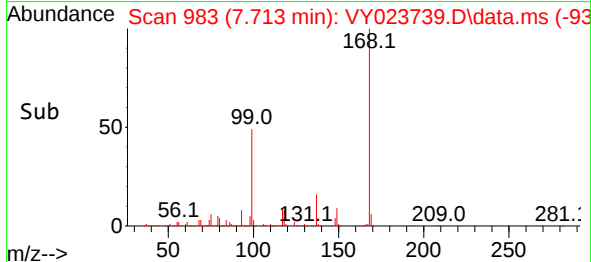
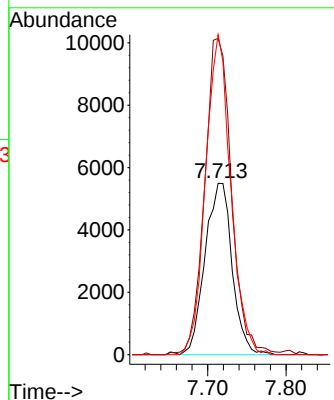
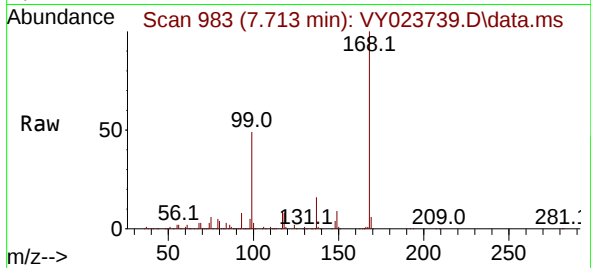




#31
Cyclohexane
Concen: 1.137 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023739.D
Acq: 11 Nov 2025 14:50

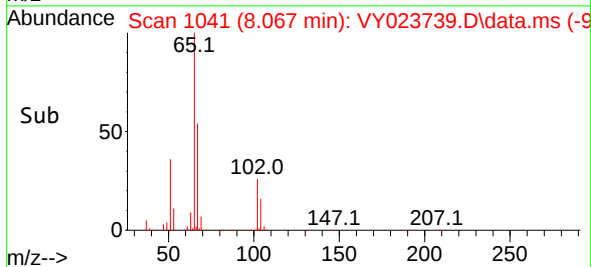
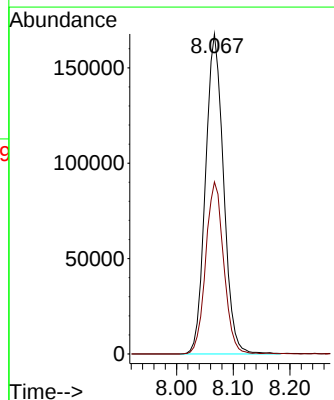
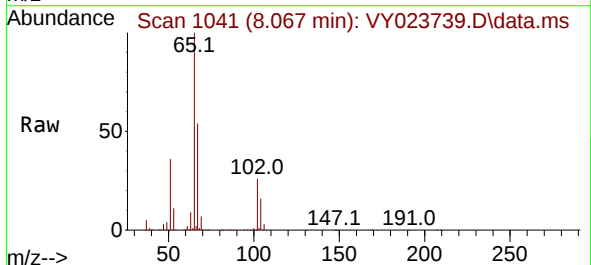
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-245

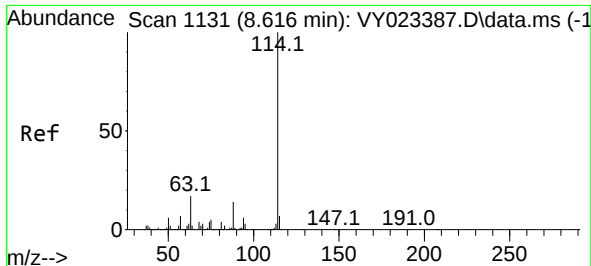
Tgt Ion: 56 Resp: 13203
Ion Ratio Lower Upper
56 100
69 183.2 30.0 45.0#
84 186.7 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 53.283 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023739.D
Acq: 11 Nov 2025 14:50

Tgt Ion: 65 Resp: 371837
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023739.D

Acq: 11 Nov 2025 14:50

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-245

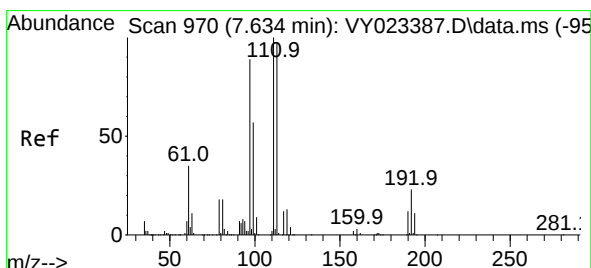
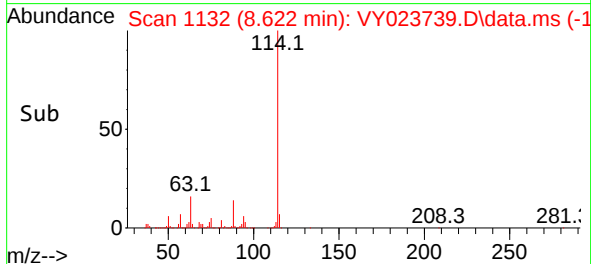
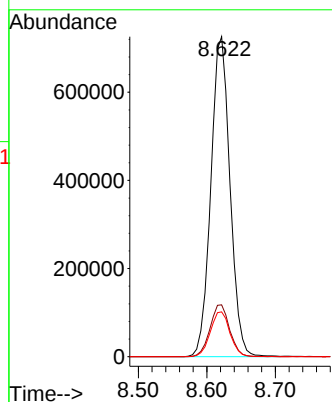
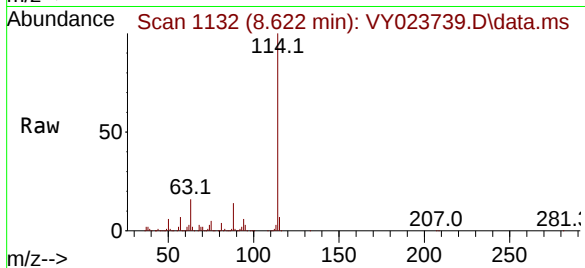
Tgt Ion:114 Resp: 1410415

Ion Ratio Lower Upper

114 100

63 16.2 0.0 34.2

88 14.0 0.0 28.4



#35

Dibromofluoromethane

Concen: 51.160 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023739.D

Acq: 11 Nov 2025 14:50

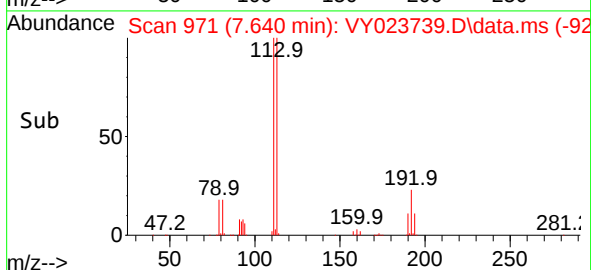
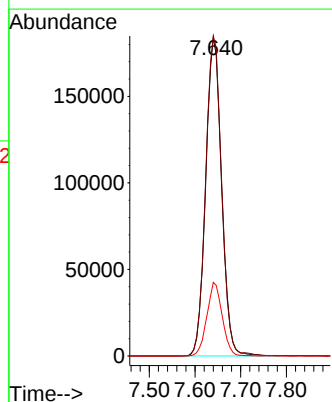
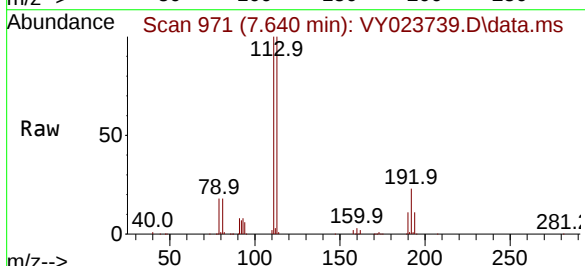
Tgt Ion:113 Resp: 443367

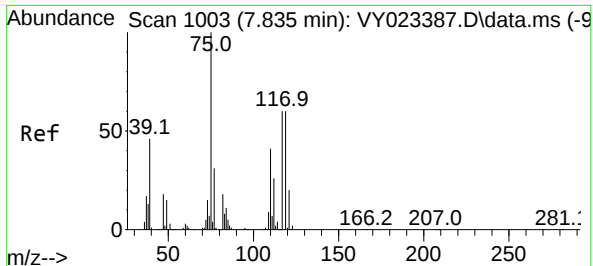
Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.6

192 22.4 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.631 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023739.D

Acq: 11 Nov 2025 14:50

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-245

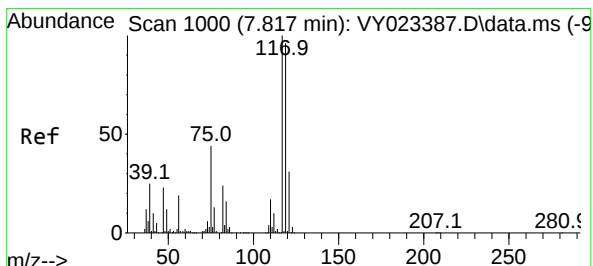
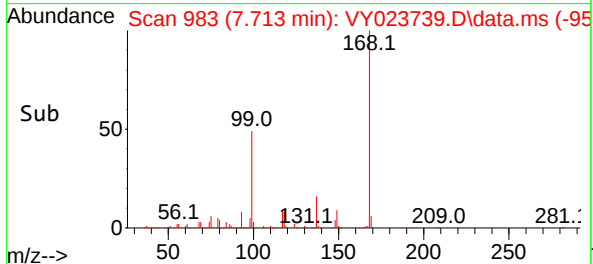
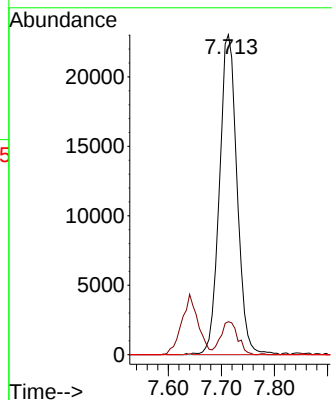
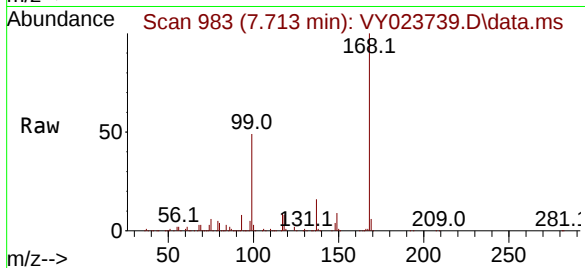
Tgt Ion: 75 Resp: 53133

Ion Ratio Lower Upper

75 100

110 10.0 19.9 59.7#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.368 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023739.D

Acq: 11 Nov 2025 14:50

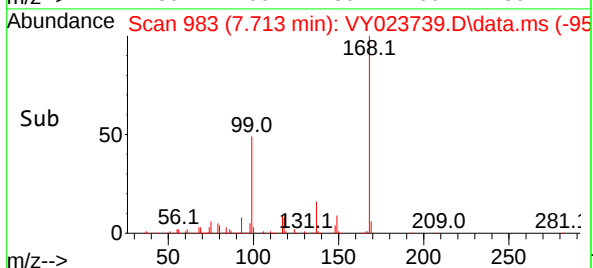
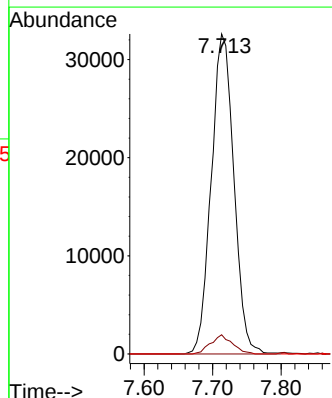
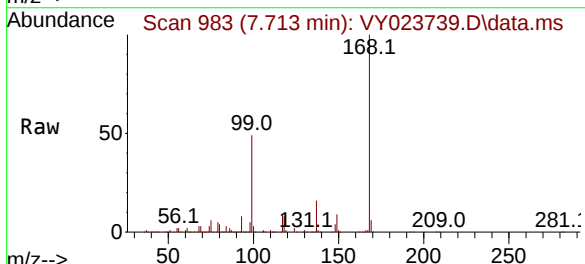
Tgt Ion: 117 Resp: 74673

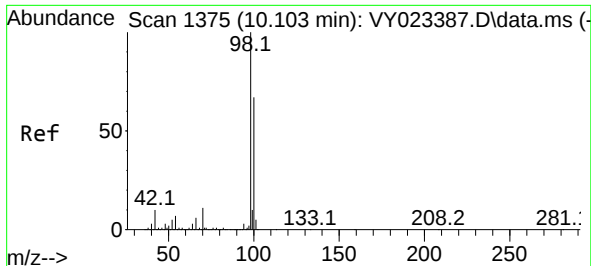
Ion Ratio Lower Upper

117 100

119 6.0 76.8 115.2#

121 0.0 24.5 36.7#

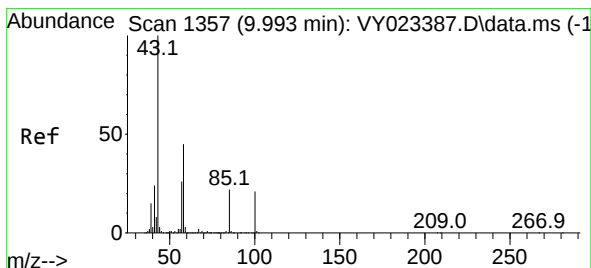
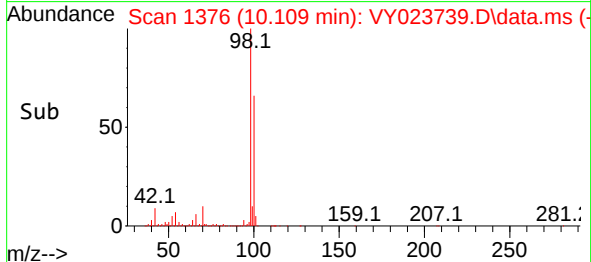
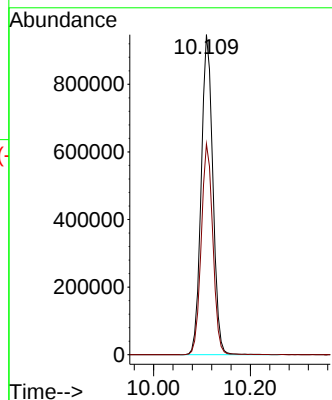
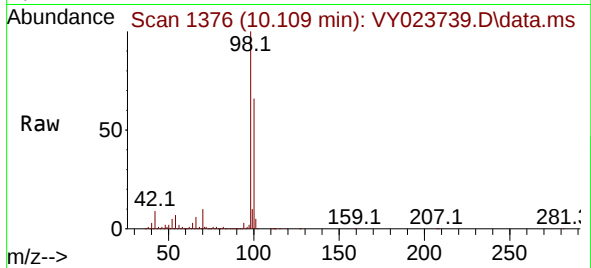




#50
Toluene-d8
Concen: 48.885 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023739.D
Acq: 11 Nov 2025 14:50

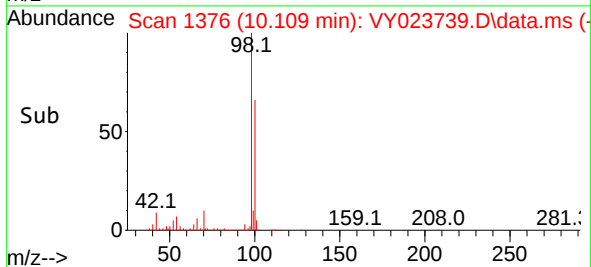
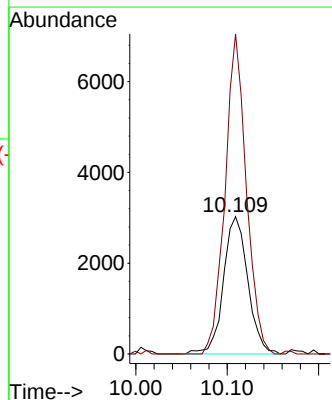
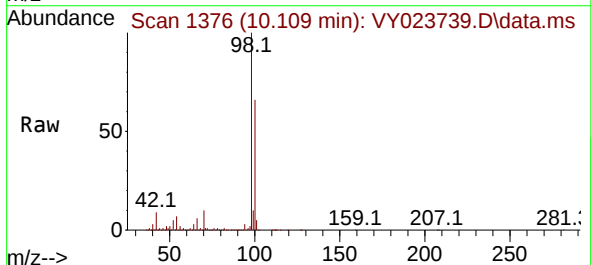
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-245

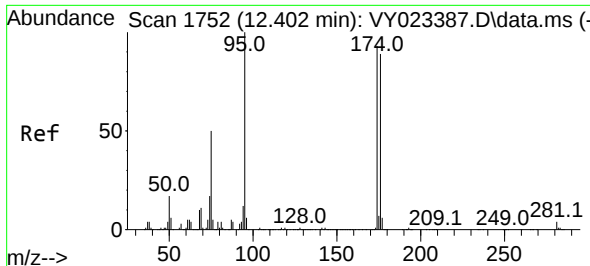
Tgt Ion: 98 Resp: 1577728
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.197 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.116 min
Lab File: VY023739.D
Acq: 11 Nov 2025 14:50

Tgt Ion: 43 Resp: 5604
Ion Ratio Lower Upper
43 100
58 203.8 35.3 52.9#

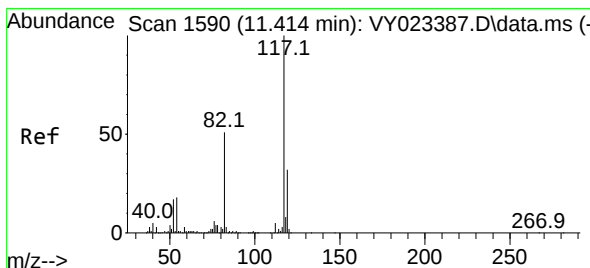
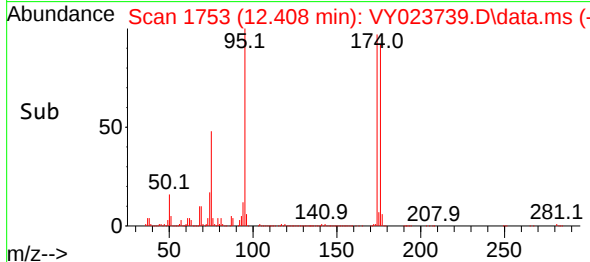
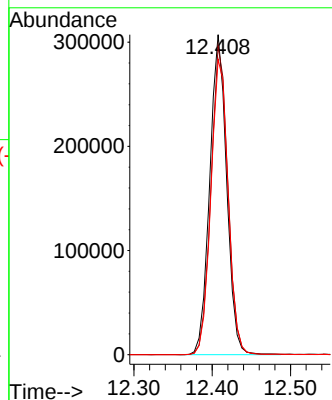
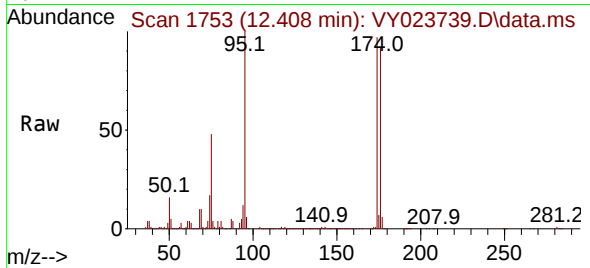




#62
4-Bromofluorobenzene
Concen: 43.146 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023739.D
Acq: 11 Nov 2025 14:50

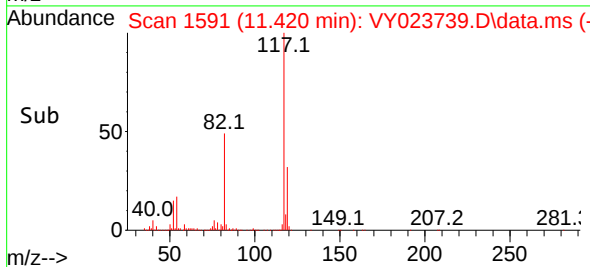
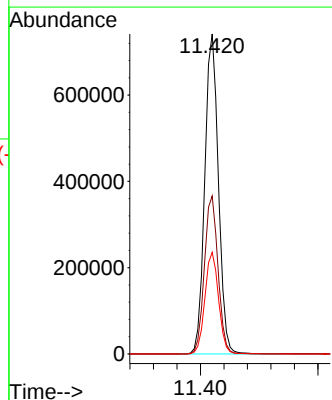
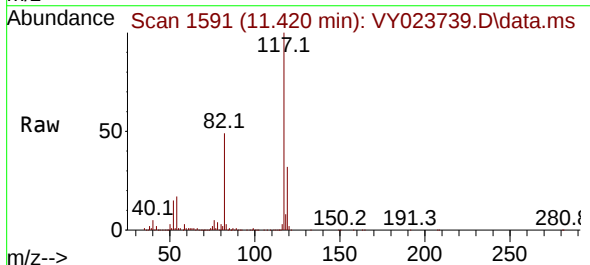
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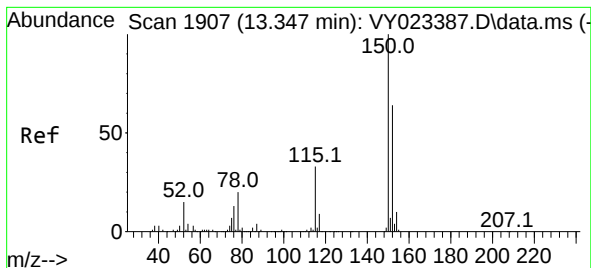
Tgt Ion: 95 Resp: 459740
Ion Ratio Lower Upper
95 100
174 97.0 0.0 192.8
176 94.2 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023739.D
Acq: 11 Nov 2025 14:50

Tgt Ion: 117 Resp: 1196315
Ion Ratio Lower Upper
117 100
82 49.4 41.0 61.4
119 31.7 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023739.D

Acq: 11 Nov 2025 14:50

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-245

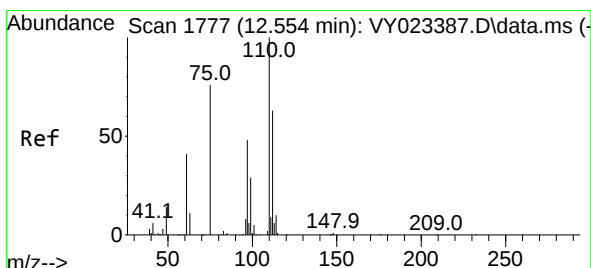
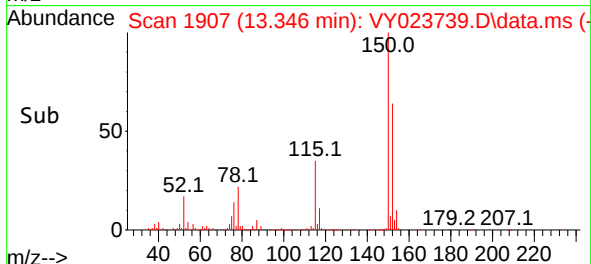
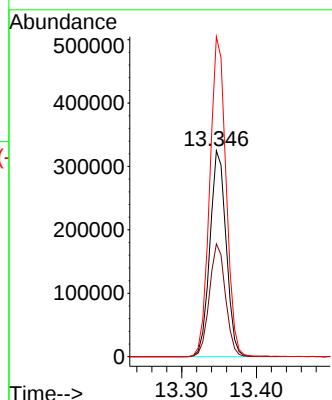
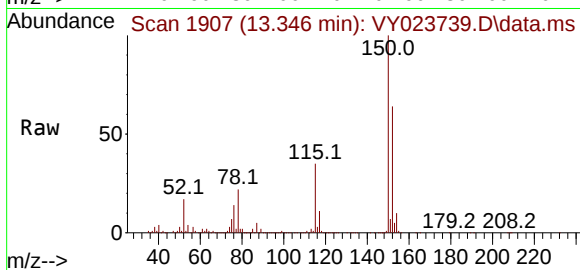
Tgt Ion:152 Resp: 490073

Ion Ratio Lower Upper

152 100

115 54.4 27.1 81.2

150 155.8 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 51.101 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023739.D

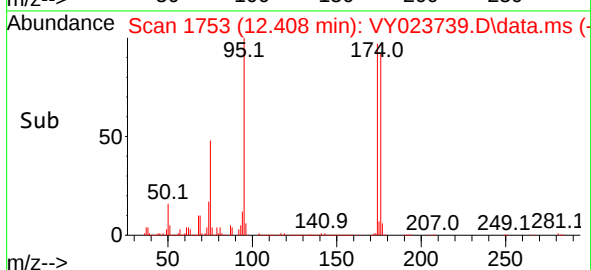
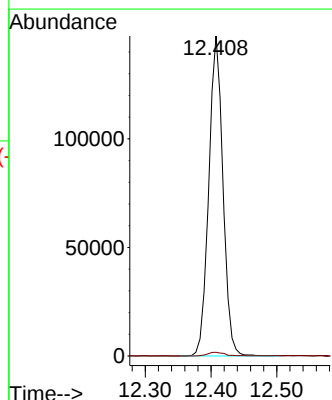
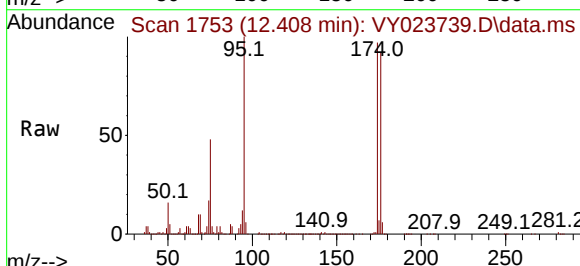
Acq: 11 Nov 2025 14:50

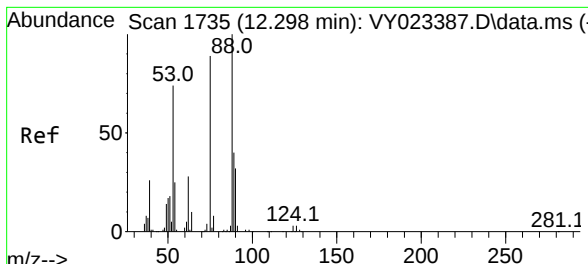
Tgt Ion: 75 Resp: 220946

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.308 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023739.D
 Acq: 11 Nov 2025 14:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-245

Tgt Ion: 75 Resp: 220946
 Ion Ratio Lower Upper
 75 100
 53 0.1 68.6 102.8#
 89 0.0 39.0 58.4#

