

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
 Data File : VY023740.D
 Acq On : 11 Nov 2025 15:14
 Operator : SY/MD
 Sample : Q3581-05
 Misc : 4.54g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-240

Quant Time: Nov 12 03:37:53 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)

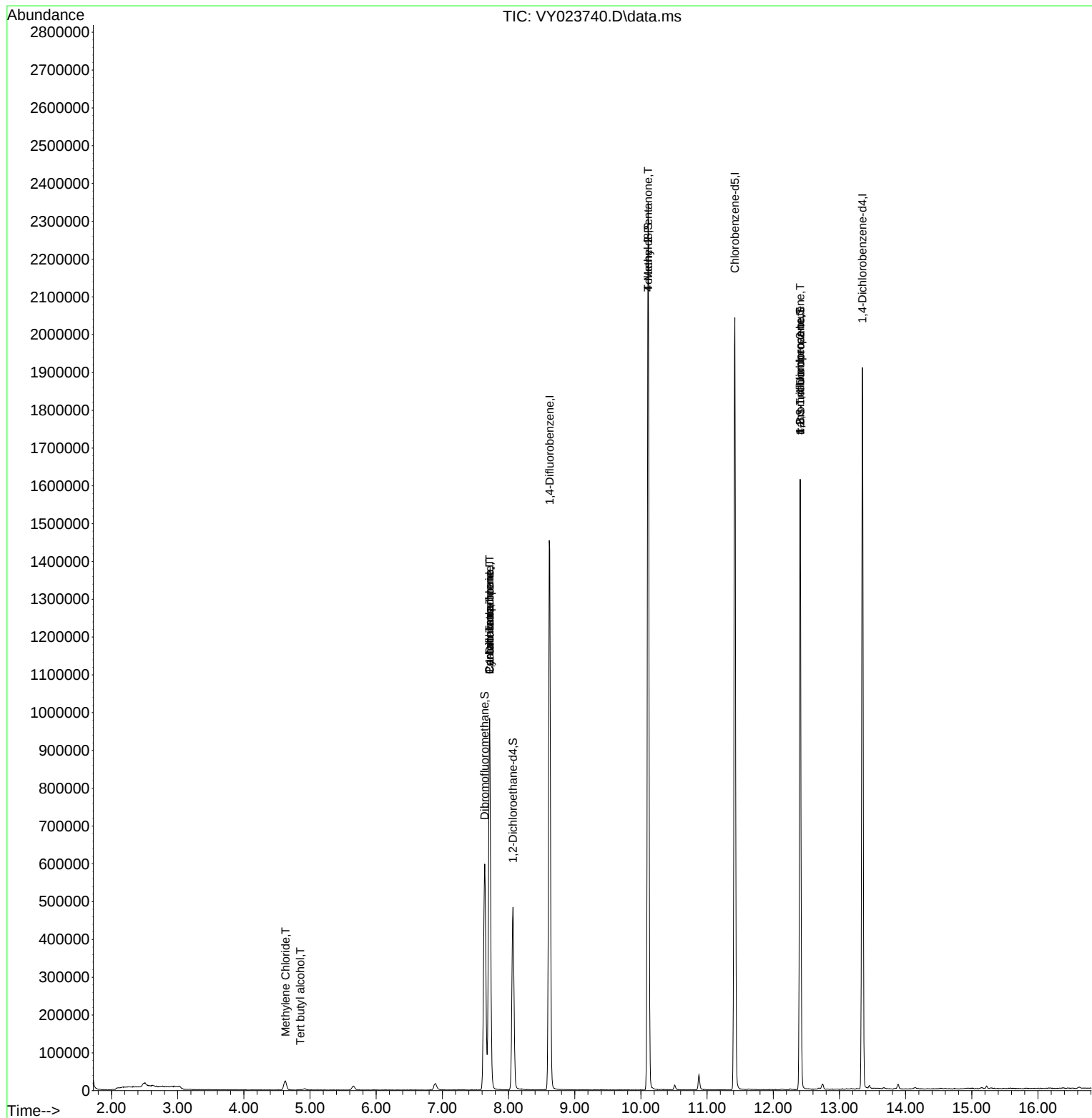
Internal Standards						
1) Pentafluorobenzene	7.713	168	816765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1372992	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1189709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	515249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	370141	54.194	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.380%	
35) Dibromofluoromethane	7.640	113	434691	51.526	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.060%	
50) Toluene-d8	10.109	98	1542155	49.085	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.180%	
62) 4-Bromofluorobenzene	12.408	95	476265	45.916	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.840%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	700	1.378	ug/l #	72
20) Methylene Chloride	4.629	84	19481	2.216	ug/l	93
31) Cyclohexane	7.713	56	12812	1.128	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	51956	4.652	ug/l #	48
38) Carbon Tetrachloride	7.713	117	73967	5.462	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	5172	1.135	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	228308	50.223	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	228308	123.157	ug/l #	15

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

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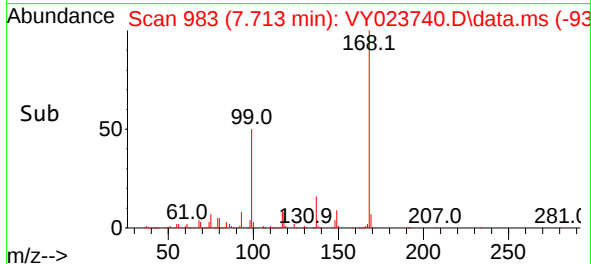
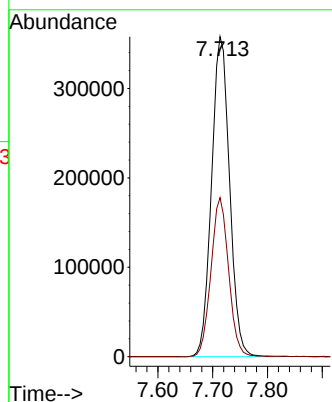
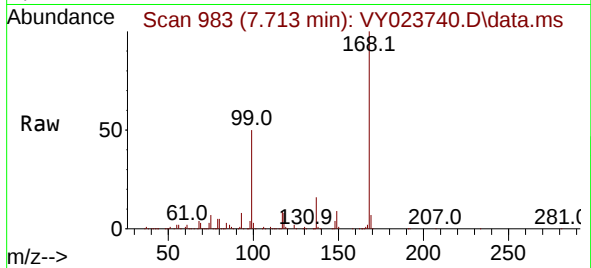




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023740.D
Acq: 11 Nov 2025 15:14

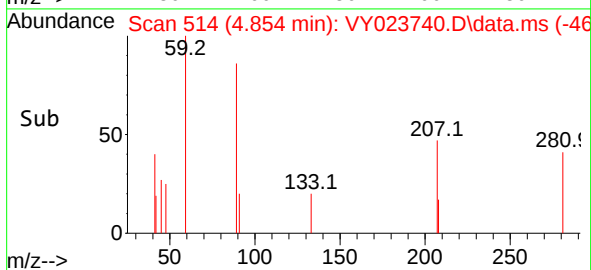
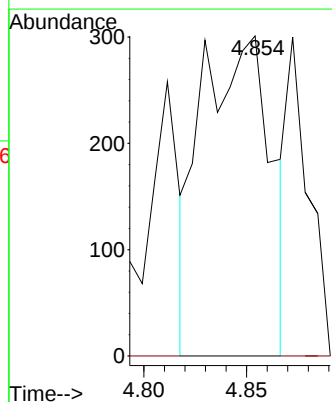
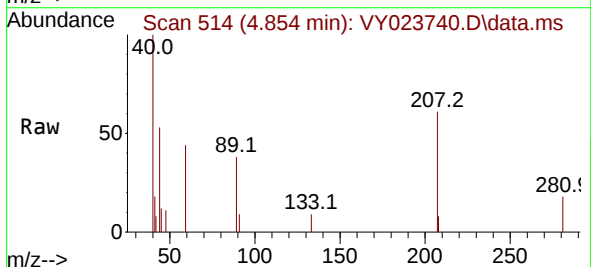
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240

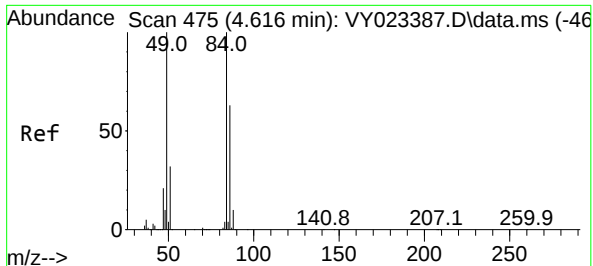
Tgt Ion:168 Resp: 816765
Ion Ratio Lower Upper
168 100
99 49.7 39.7 59.5



#11
Tert butyl alcohol
Concen: 1.378 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY023740.D
Acq: 11 Nov 2025 15:14

Tgt Ion: 59 Resp: 700
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#20

Methylene Chloride

Concen: 2.216 ug/l

RT: 4.629 min Scan# 41

Delta R.T. 0.012 min

Lab File: VY023740.D

Acq: 11 Nov 2025 15:14

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-240

Tgt Ion: 84 Resp: 19481

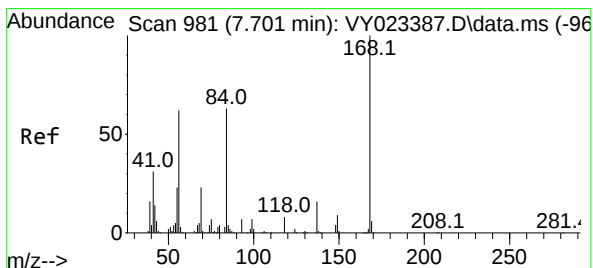
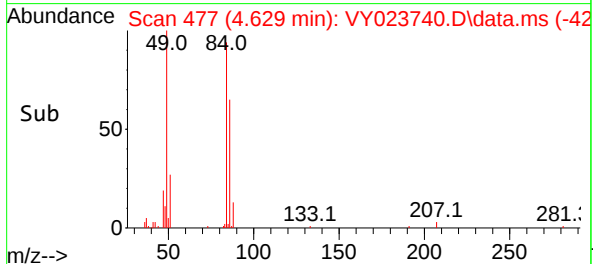
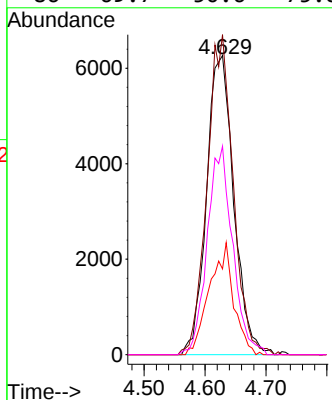
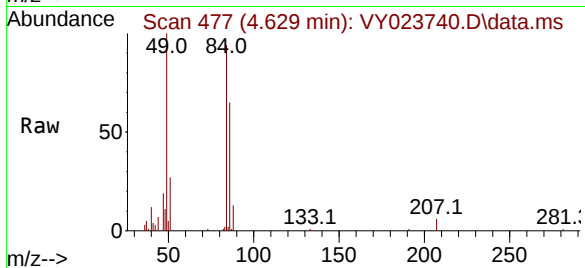
Ion Ratio Lower Upper

84 100

49 106.9 80.2 120.4

51 28.6 25.9 38.9

86 69.7 50.6 75.8



#31

Cyclohexane

Concen: 1.128 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.012 min

Lab File: VY023740.D

Acq: 11 Nov 2025 15:14

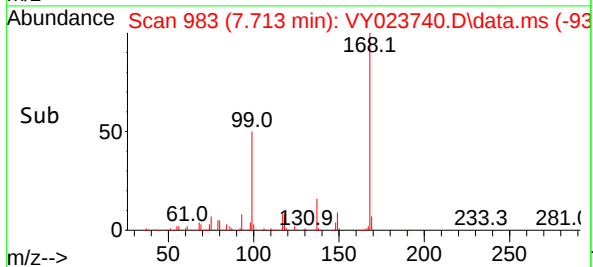
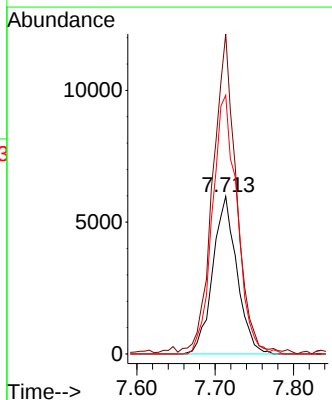
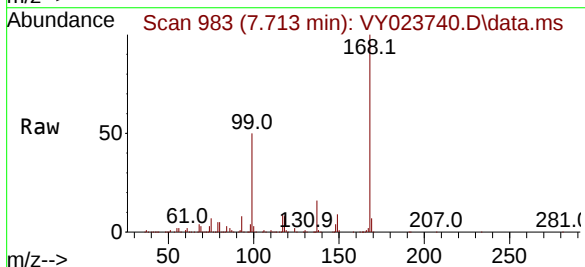
Tgt Ion: 56 Resp: 12812

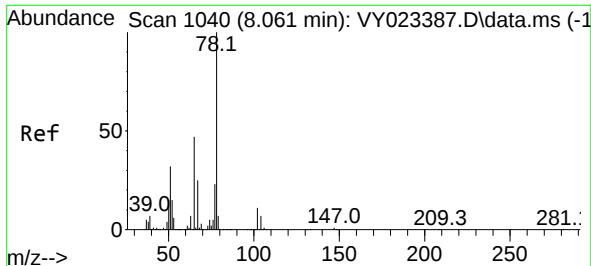
Ion Ratio Lower Upper

56 100

69 201.9 30.0 45.0#

84 164.2 81.2 121.8#





#33

1,2-Dichloroethane-d4

Concen: 54.194 ug/l

RT: 8.067 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023740.D

Acq: 11 Nov 2025 15:14

Instrument :

MSVOA_Y

ClientSampleId :

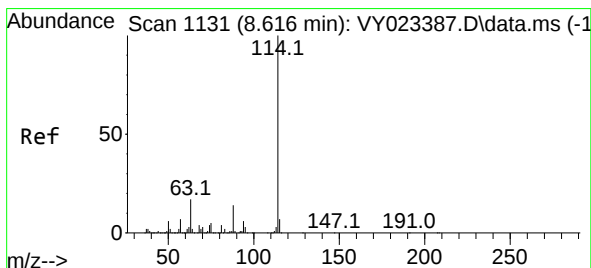
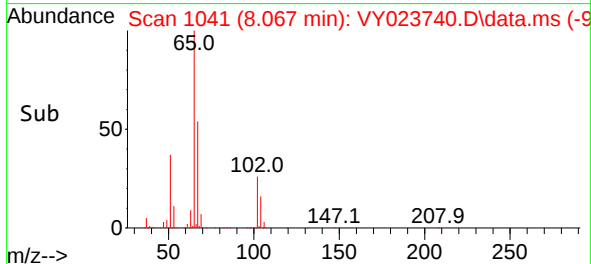
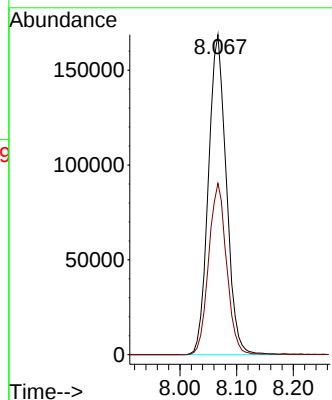
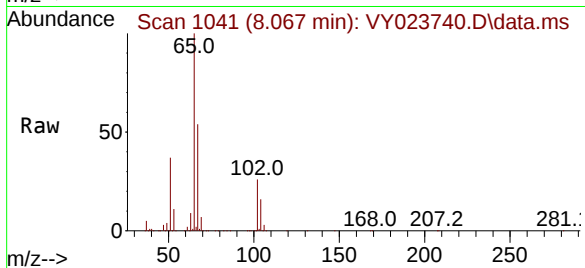
VNJ-240

Tgt Ion: 65 Resp: 370141

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# 1132

Delta R.T. 0.006 min

Lab File: VY023740.D

Acq: 11 Nov 2025 15:14

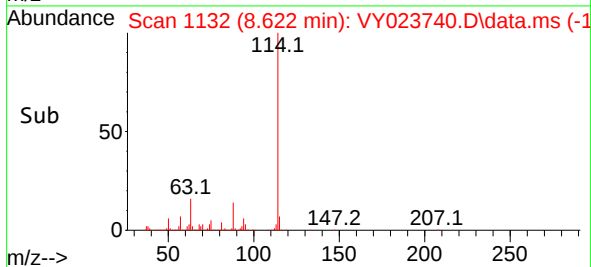
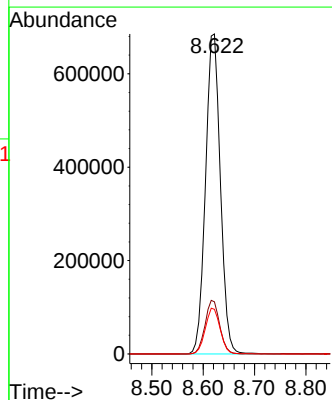
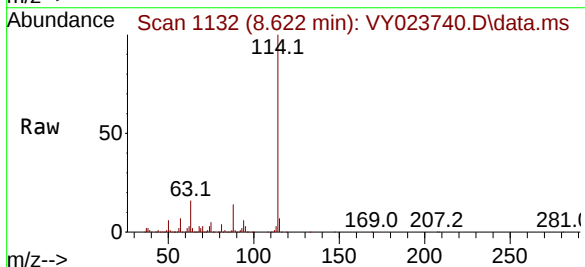
Tgt Ion: 114 Resp: 1372992

Ion Ratio Lower Upper

114 100

63 16.3 0.0 34.2

88 13.9 0.0 28.4

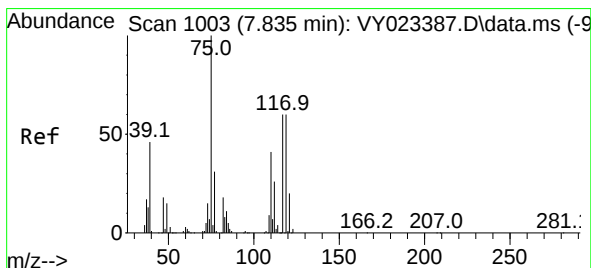
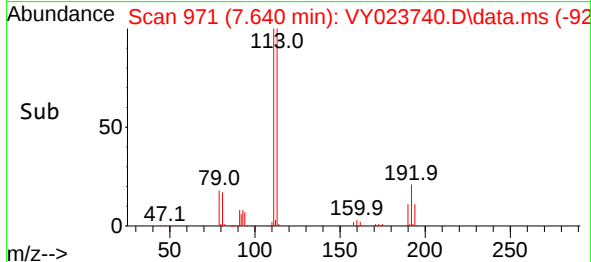
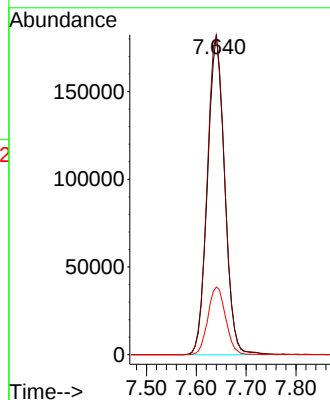
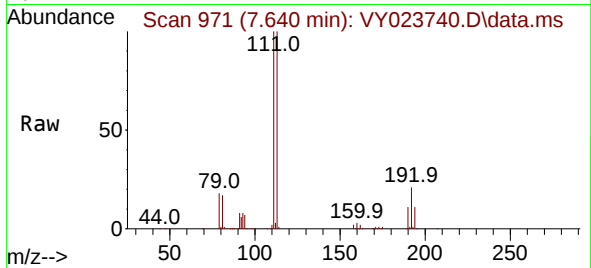




#35
Dibromofluoromethane
Concen: 51.526 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023740.D
Acq: 11 Nov 2025 15:14

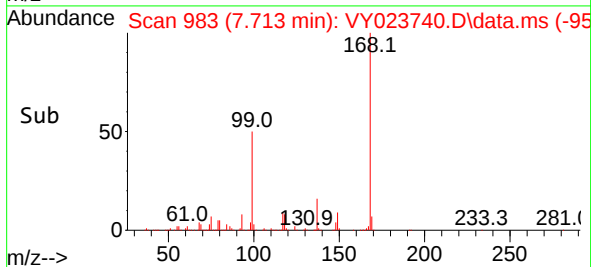
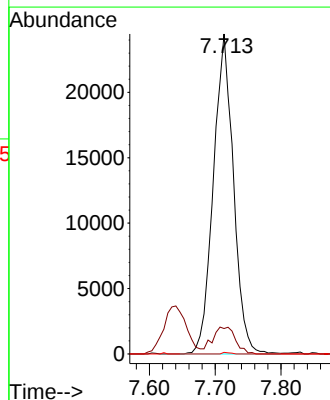
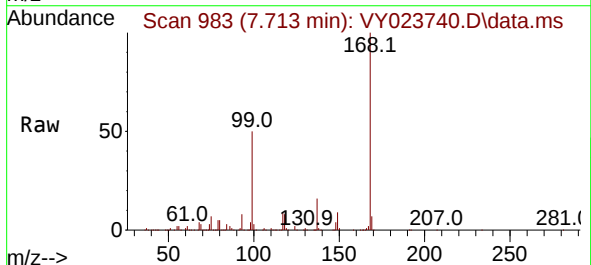
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240

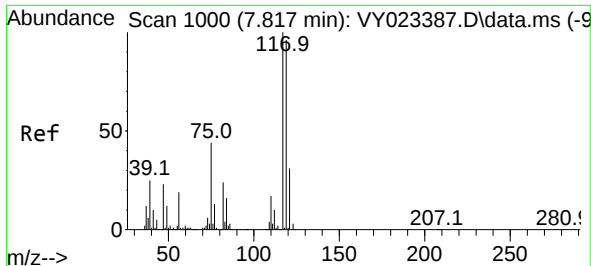
Tgt Ion:113 Resp: 434691
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.6
192 22.0 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.652 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023740.D
Acq: 11 Nov 2025 15:14

Tgt Ion: 75 Resp: 51956
Ion Ratio Lower Upper
75 100
110 9.4 19.9 59.7#
77 0.2 25.0 37.6#

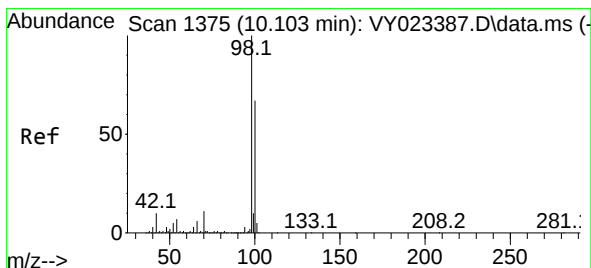
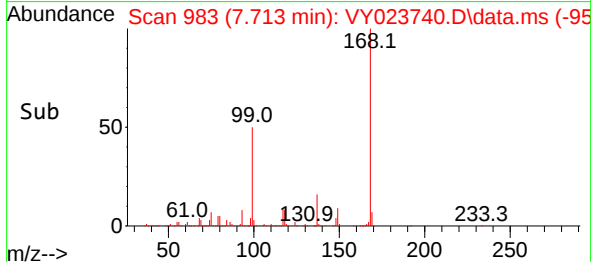
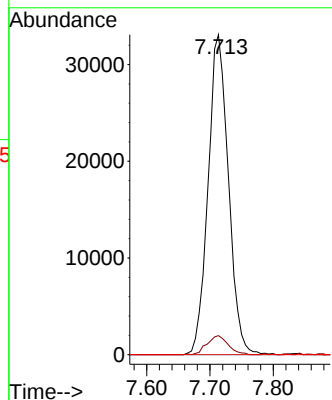
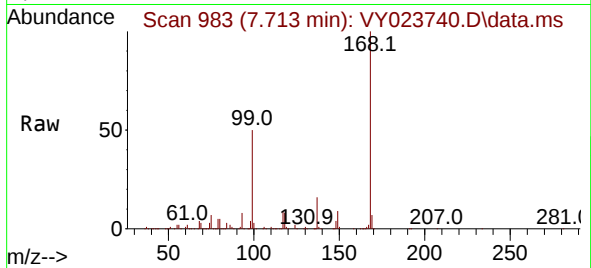




#38
Carbon Tetrachloride
Concen: 5.462 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023740.D
Acq: 11 Nov 2025 15:14

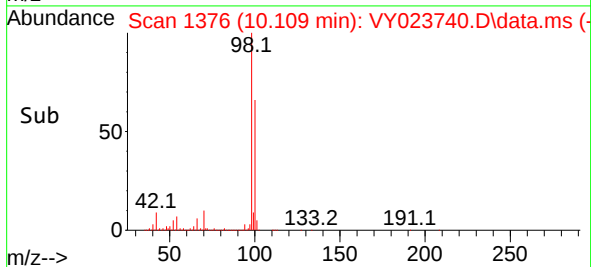
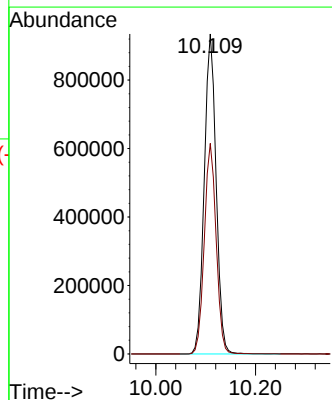
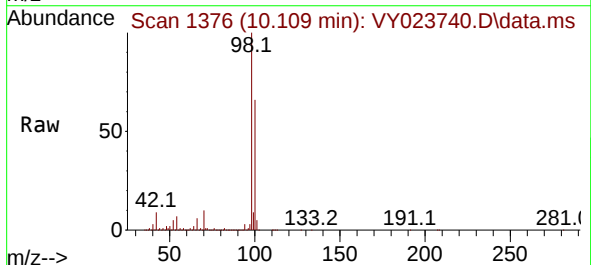
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240

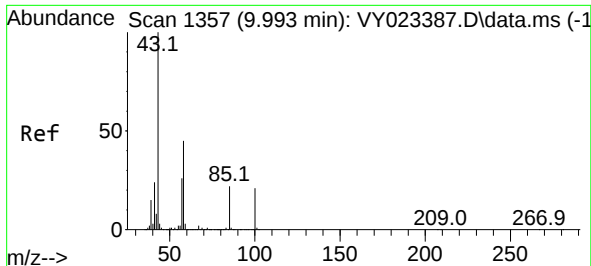
Tgt Ion:117 Resp: 73967
Ion Ratio Lower Upper
117 100
119 6.0 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.085 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023740.D
Acq: 11 Nov 2025 15:14

Tgt Ion: 98 Resp: 1542155
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4

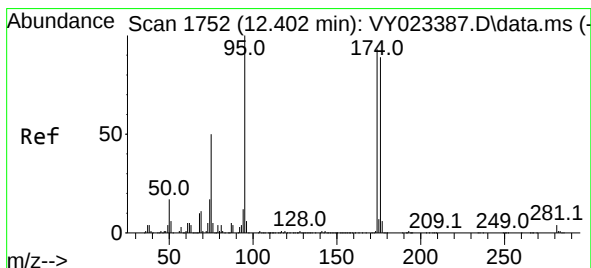
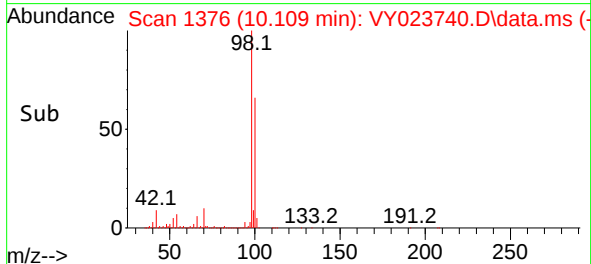
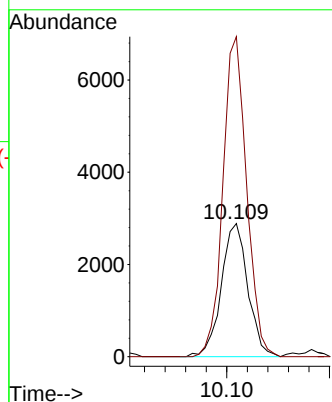
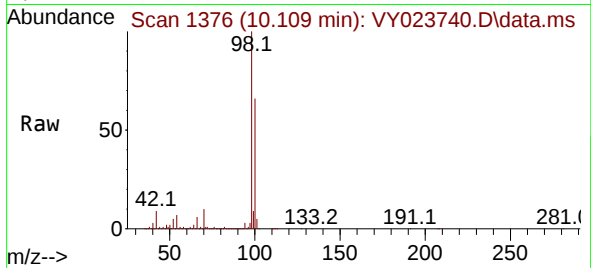




#51
4-Methyl-2-Pentanone
Concen: 1.135 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.116 min
Lab File: VY023740.D
Acq: 11 Nov 2025 15:14

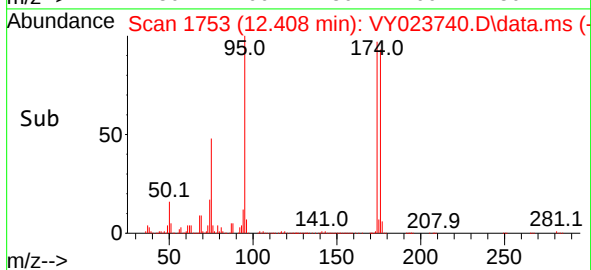
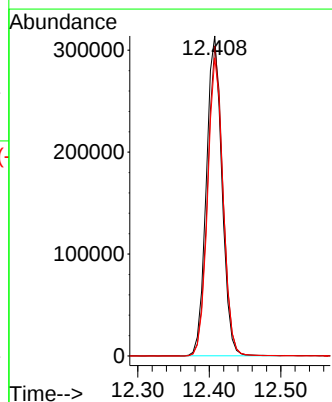
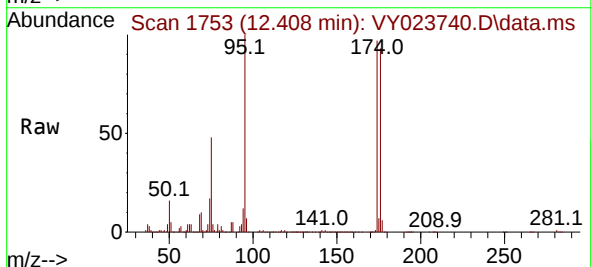
Instrument :
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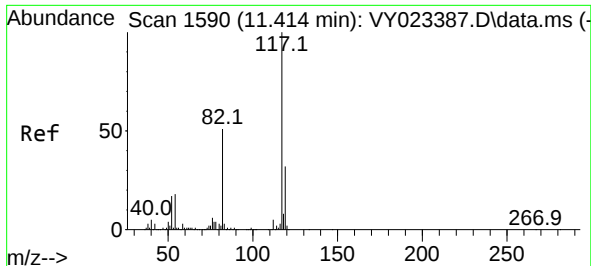
Tgt Ion: 43 Resp: 5172
Ion Ratio Lower Upper
43 100
58 214.8 35.3 52.9#



#62
4-Bromofluorobenzene
Concen: 45.916 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023740.D
Acq: 11 Nov 2025 15:14

Tgt Ion: 95 Resp: 476265
Ion Ratio Lower Upper
95 100
174 95.8 0.0 192.8
176 92.2 0.0 187.6

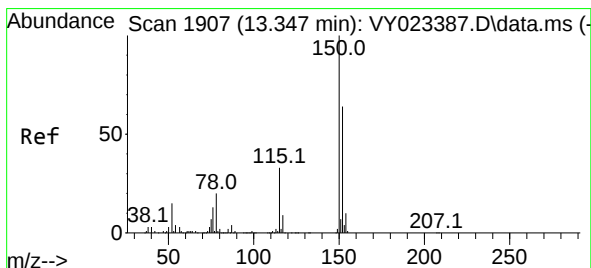
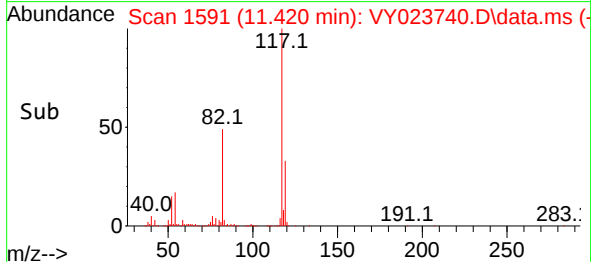
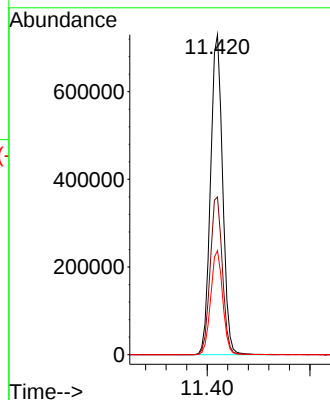
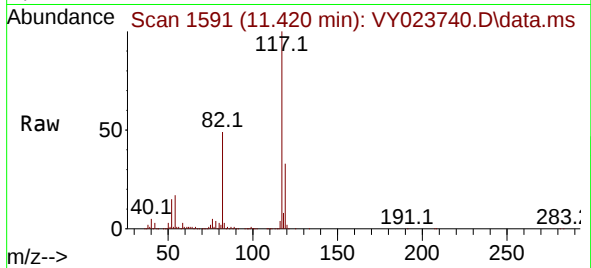




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023740.D
Acq: 11 Nov 2025 15:14

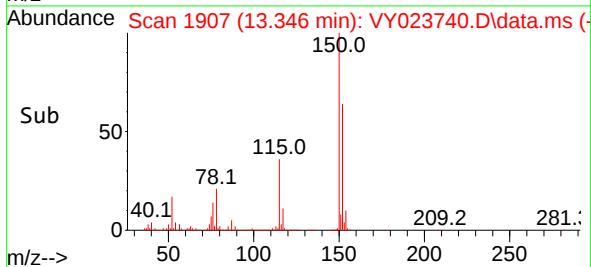
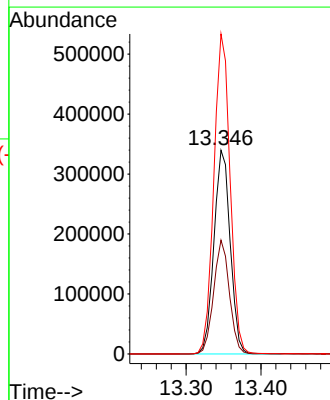
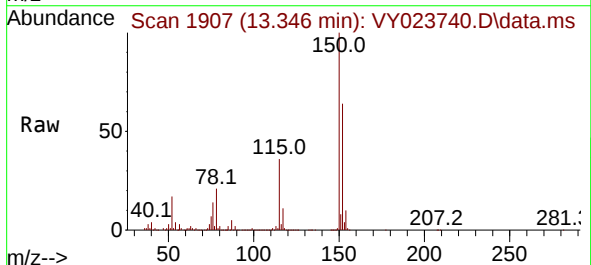
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240

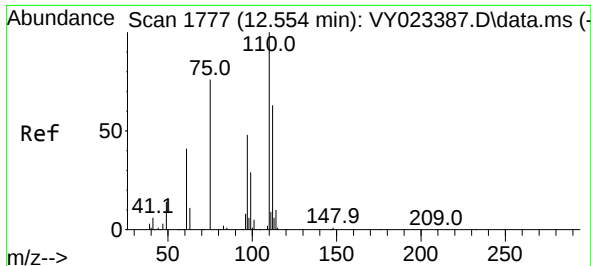
Tgt Ion:117 Resp: 1189709
Ion Ratio Lower Upper
117 100
82 49.3 41.0 61.4
119 32.5 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023740.D
Acq: 11 Nov 2025 15:14

Tgt Ion:152 Resp: 515249
Ion Ratio Lower Upper
152 100
115 54.0 27.1 81.2
150 156.6 0.0 347.4

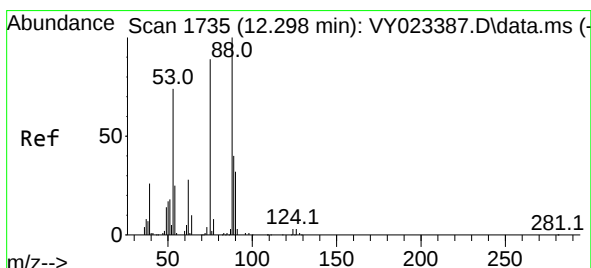
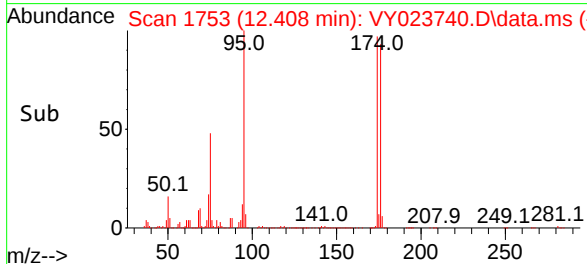
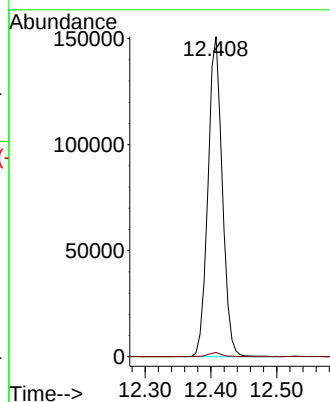
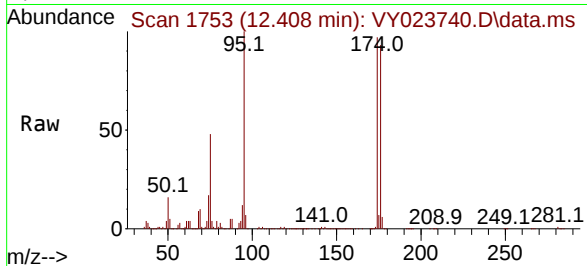




#76
1,2,3-Trichloropropane
Concen: 50.223 ug/l
RT: 12.408 min Scan# 1777
Delta R.T. -0.146 min
Lab File: VY023740.D
Acq: 11 Nov 2025 15:14

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240

Tgt Ion: 75 Resp: 228308
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.157 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023740.D
Acq: 11 Nov 2025 15:14

Tgt Ion: 75 Resp: 228308
Ion Ratio Lower Upper
75 100
53 0.2 68.6 102.8#
89 0.0 39.0 58.4#

