

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
 Data File : VN088480.D
 Acq On : 09 Dec 2025 15:42
 Operator : JC\MD
 Sample : Q3795-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 72-11966

Quant Time: Dec 10 05:08:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

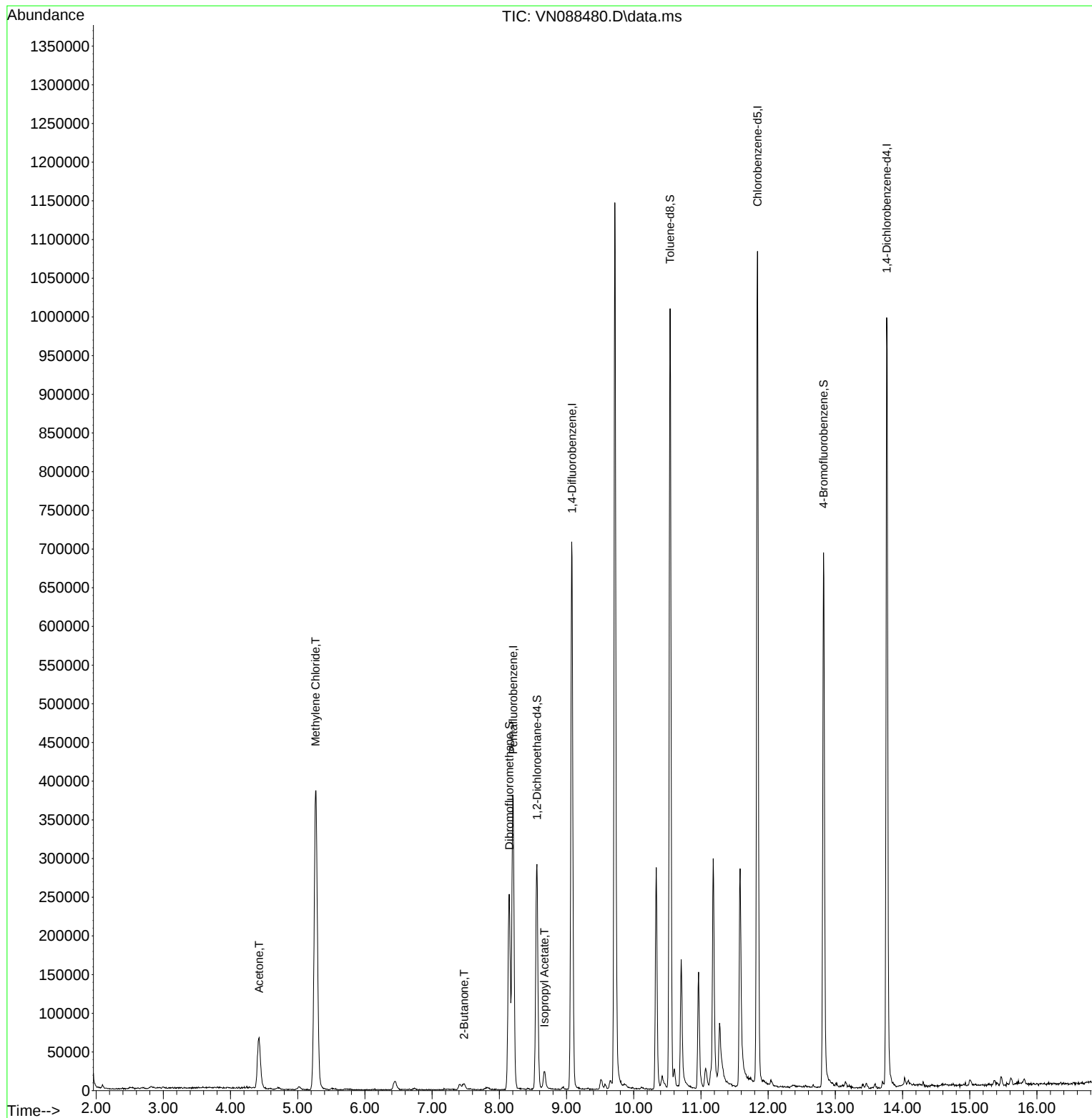
Internal Standards						
1) Pentafluorobenzene	8.206	168	250332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	573177	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	570736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	254618	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	251050	53.236	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 106.480%		
35) Dibromofluoromethane	8.148	113	182174	45.863	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 91.720%		
50) Toluene-d8	10.542	98	677211	45.822	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 91.640%		
62) 4-Bromofluorobenzene	12.824	95	261456	51.559	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery	= 103.120%		
Target Compounds						Qvalue
16) Acetone	4.424	43	142005	83.265	ug/l	97
20) Methylene Chloride	5.265	84	301518	82.633	ug/l	99
25) 2-Butanone	7.477	43	14061	5.129	ug/l #	81
43) Isopropyl Acetate	8.671	43	31882	2.589	ug/l #	91

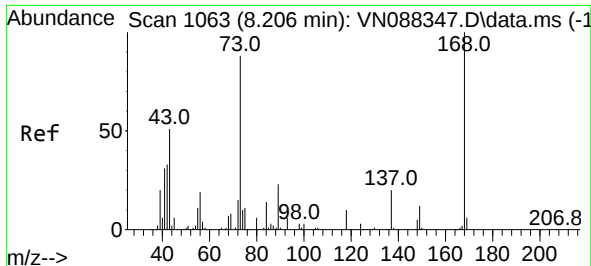
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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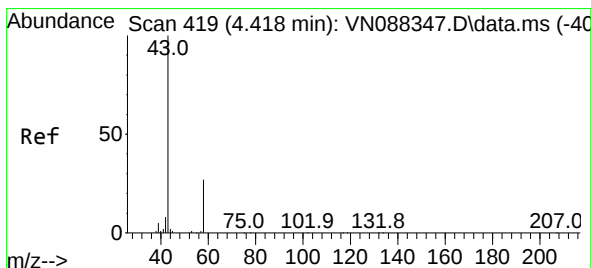
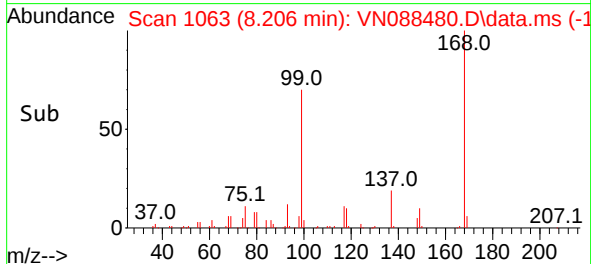
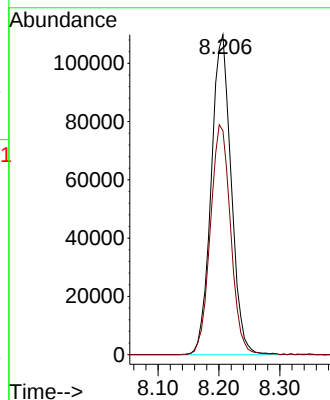
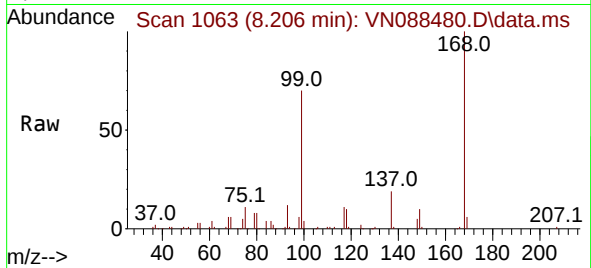




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088480.D
Acq: 09 Dec 2025 15:42

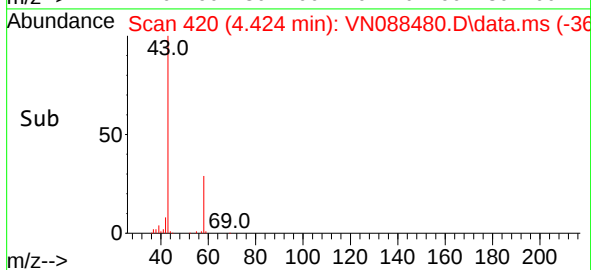
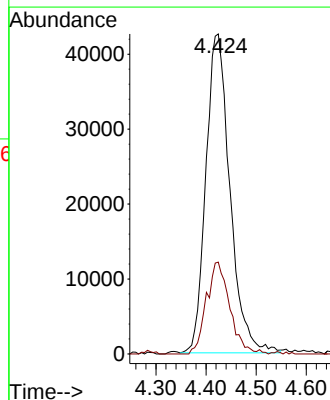
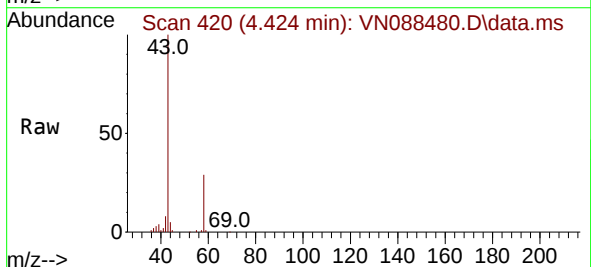
Instrument :
MSVOA_N
ClientSampleId :
72-11966

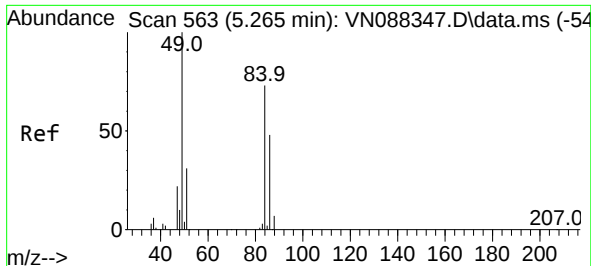
Tgt Ion:168 Resp: 250332
Ion Ratio Lower Upper
168 100
99 70.0 57.1 85.7



#16
Acetone
Concen: 83.265 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN088480.D
Acq: 09 Dec 2025 15:42

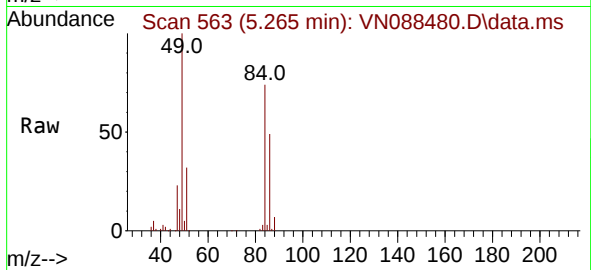
Tgt Ion: 43 Resp: 142005
Ion Ratio Lower Upper
43 100
58 28.8 21.7 32.5



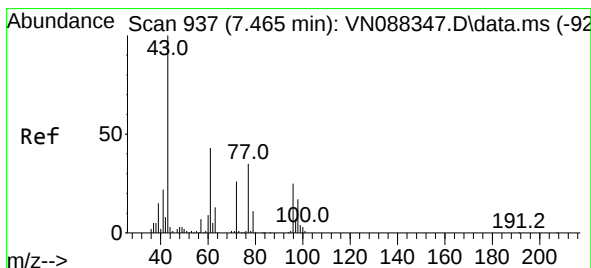
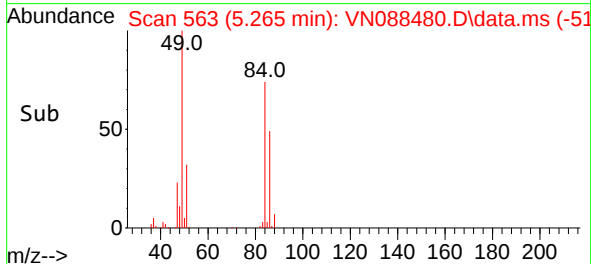
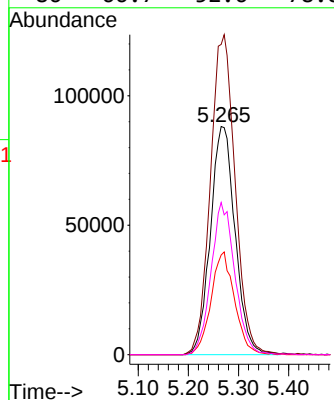


#20
Methylene Chloride
Concen: 82.633 ug/l
RT: 5.265 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN088480.D
Acq: 09 Dec 2025 15:42

Instrument :
MSVOA_N
ClientSampleId :
72-11966

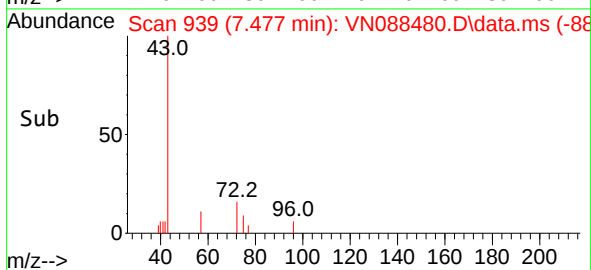
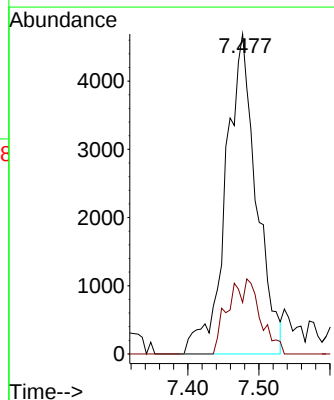
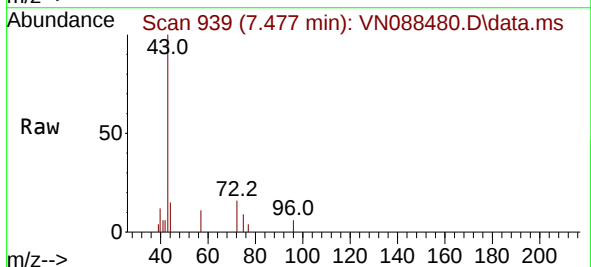


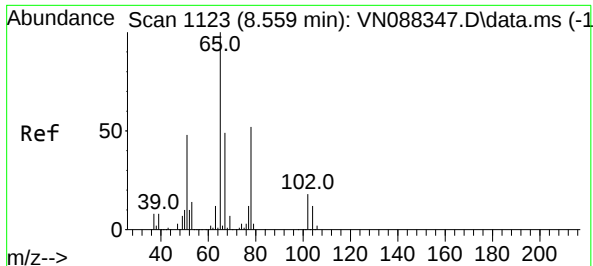
Tgt Ion:	84	Resp:	301518
Ion	Ratio	Lower	Upper
84	100		
49	136.0	110.2	165.2
51	43.7	34.1	51.1
86	66.7	52.6	78.8



#25
2-Butanone
Concen: 5.129 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.012 min
Lab File: VN088480.D
Acq: 09 Dec 2025 15:42

Tgt Ion:	43	Resp:	14061
Ion	Ratio	Lower	Upper
43	100		
72	16.1	20.5	30.7#





#33

1,2-Dichloroethane-d4

Concen: 53.236 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088480.D

Acq: 09 Dec 2025 15:42

Instrument :

MSVOA_N

ClientSampleId :

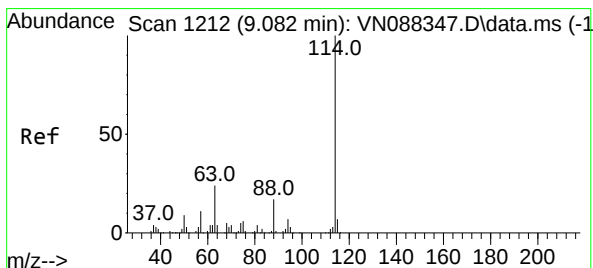
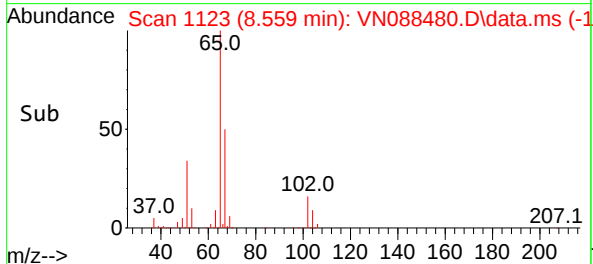
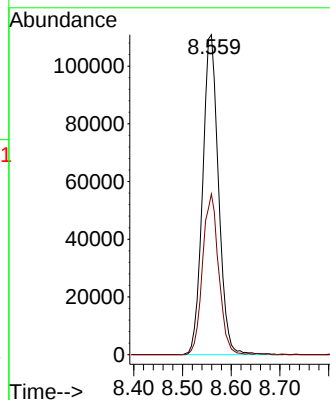
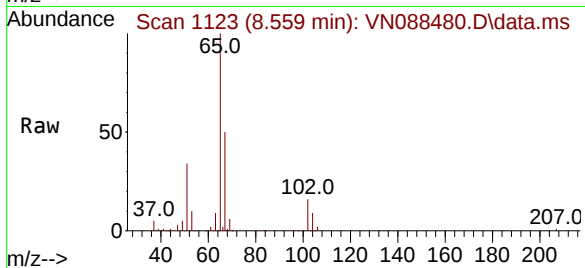
72-11966

Tgt Ion: 65 Resp: 251050

Ion Ratio Lower Upper

65 100

67 50.7 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088480.D

Acq: 09 Dec 2025 15:42

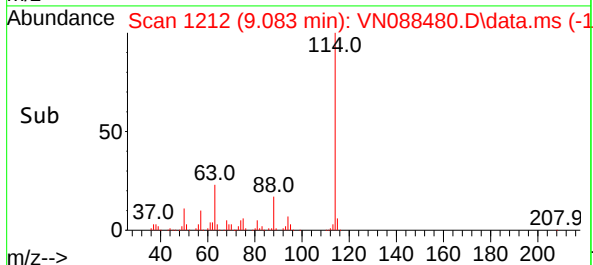
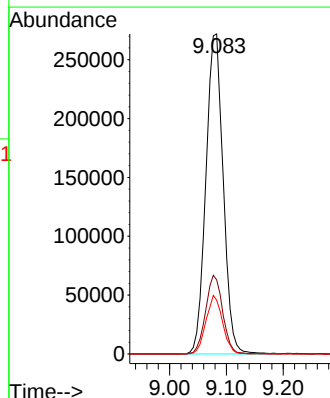
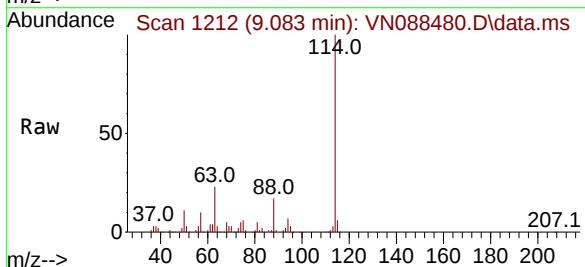
Tgt Ion: 114 Resp: 573177

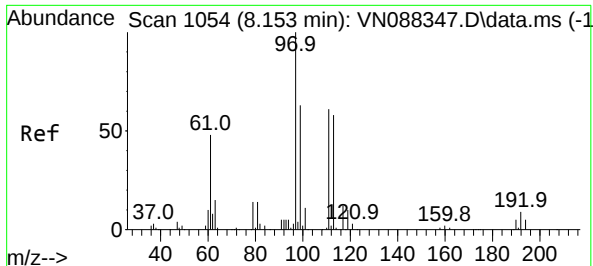
Ion Ratio Lower Upper

114 100

63 23.2 0.0 49.0

88 16.8 0.0 34.0





#35

Dibromofluoromethane

Concen: 45.863 ug/l

RT: 8.148 min Scan# 1053

Delta R.T. -0.005 min

Lab File: VN088480.D

Acq: 09 Dec 2025 15:42

Instrument :

MSVOA_N

ClientSampleId :

72-11966

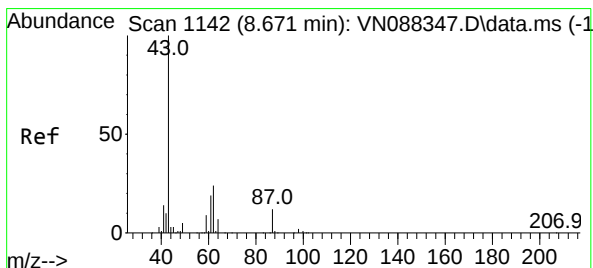
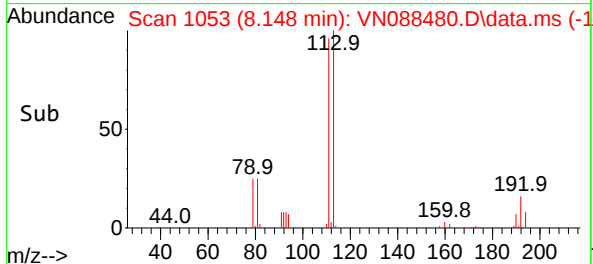
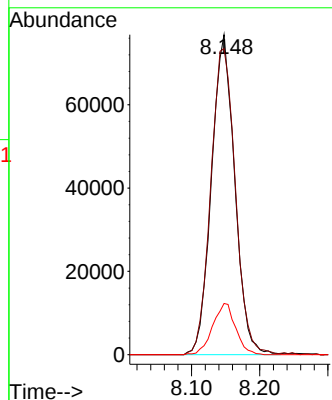
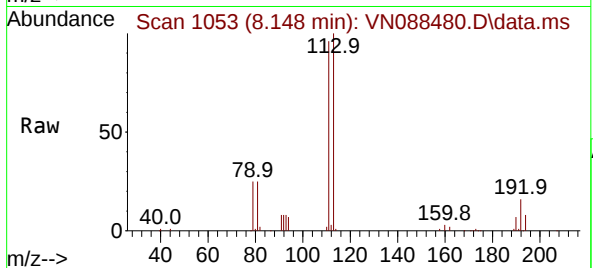
Tgt Ion:113 Resp: 182174

Ion Ratio Lower Upper

113 100

111 101.3 82.5 123.7

192 15.8 12.8 19.2



#43

Isopropyl Acetate

Concen: 2.589 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN088480.D

Acq: 09 Dec 2025 15:42

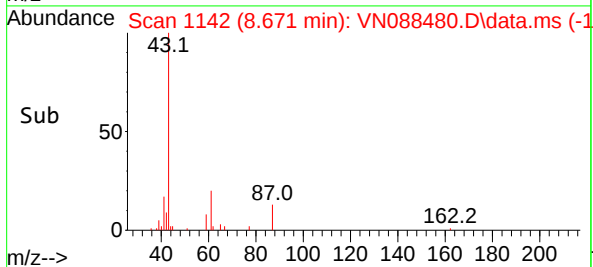
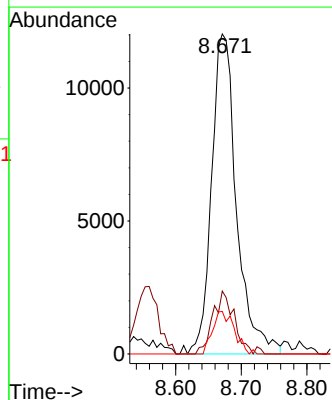
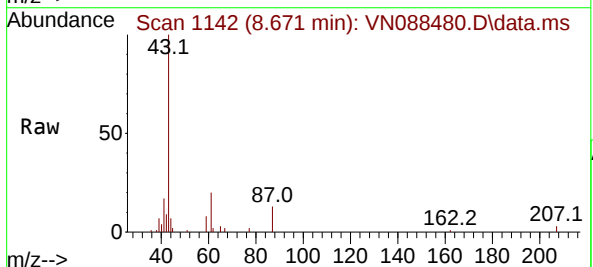
Tgt Ion: 43 Resp: 31882

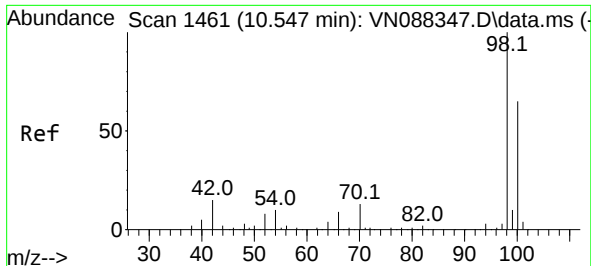
Ion Ratio Lower Upper

43 100

61 16.6 18.7 28.1#

87 11.6 9.1 13.7

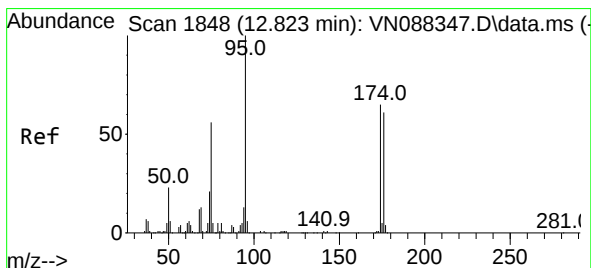
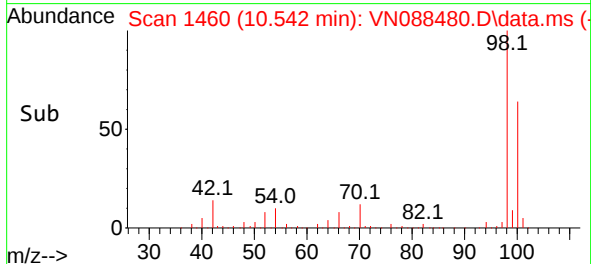
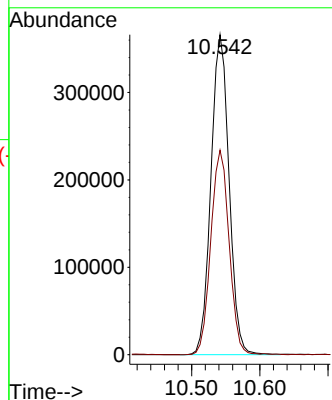
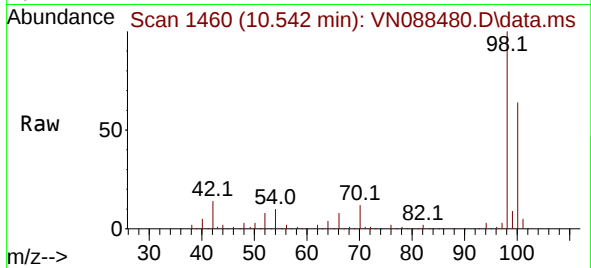




#50
Toluene-d8
Concen: 45.822 ug/l
RT: 10.542 min Scan# 1461
Delta R.T. -0.005 min
Lab File: VN088480.D
Acq: 09 Dec 2025 15:42

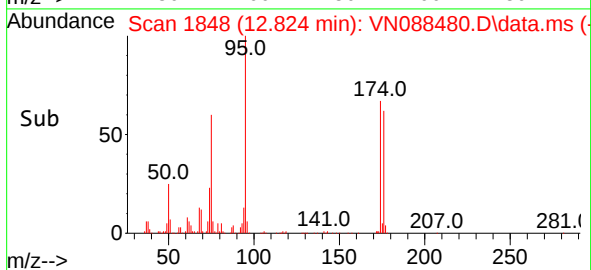
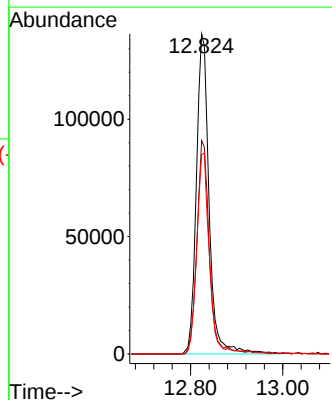
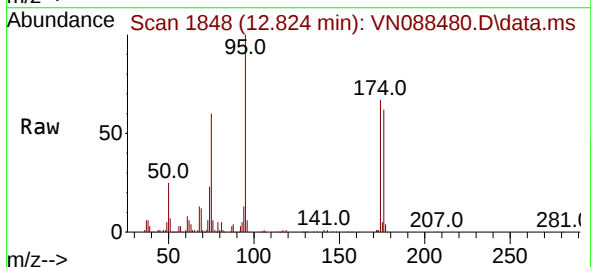
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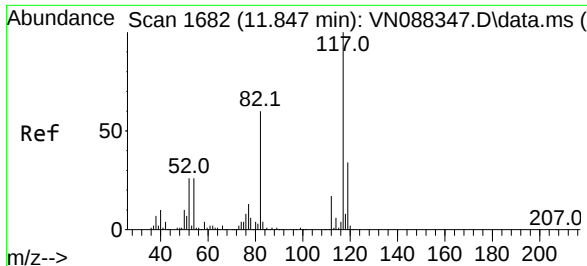
Tgt Ion: 98 Resp: 677211
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 51.559 ug/l
RT: 12.824 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN088480.D
Acq: 09 Dec 2025 15:42

Tgt Ion: 95 Resp: 261456
Ion Ratio Lower Upper
95 100
174 64.4 0.0 139.0
176 62.2 0.0 132.4

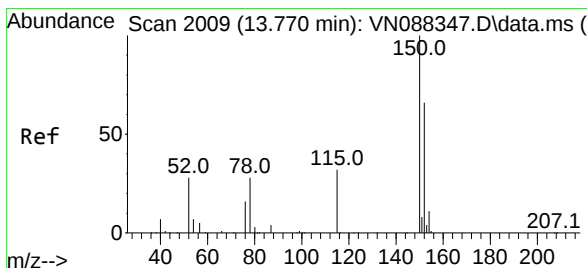
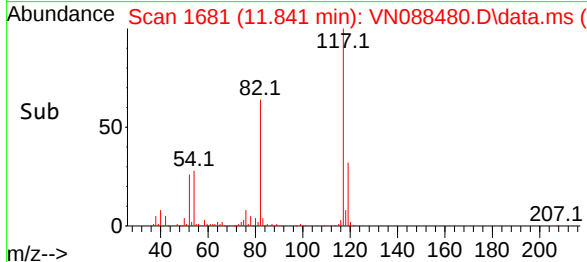
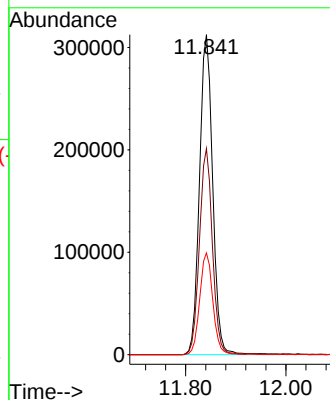
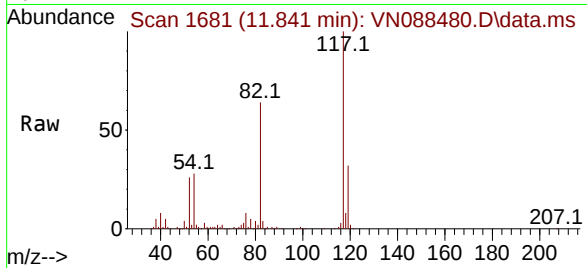




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN088480.D
Acq: 09 Dec 2025 15:42

Instrument :
MSVOA_N
ClientSampleId :
72-11966

Tgt Ion:117 Resp: 570736
Ion Ratio Lower Upper
117 100
82 64.4 47.8 71.8
119 31.8 26.9 40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.765 min Scan# 2008
Delta R.T. -0.005 min
Lab File: VN088480.D
Acq: 09 Dec 2025 15:42

Tgt Ion:152 Resp: 254618
Ion Ratio Lower Upper
152 100
115 65.8 33.0 98.9
150 158.6 0.0 349.0

