

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062725\
 Data File : VN087215.D
 Acq On : 27 Jun 2025 12:49
 Operator : JC\MD
 Sample : PB168627TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168627TB

Quant Time: Jun 27 23:43:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:55:21 2025
 Response via : Initial Calibration

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

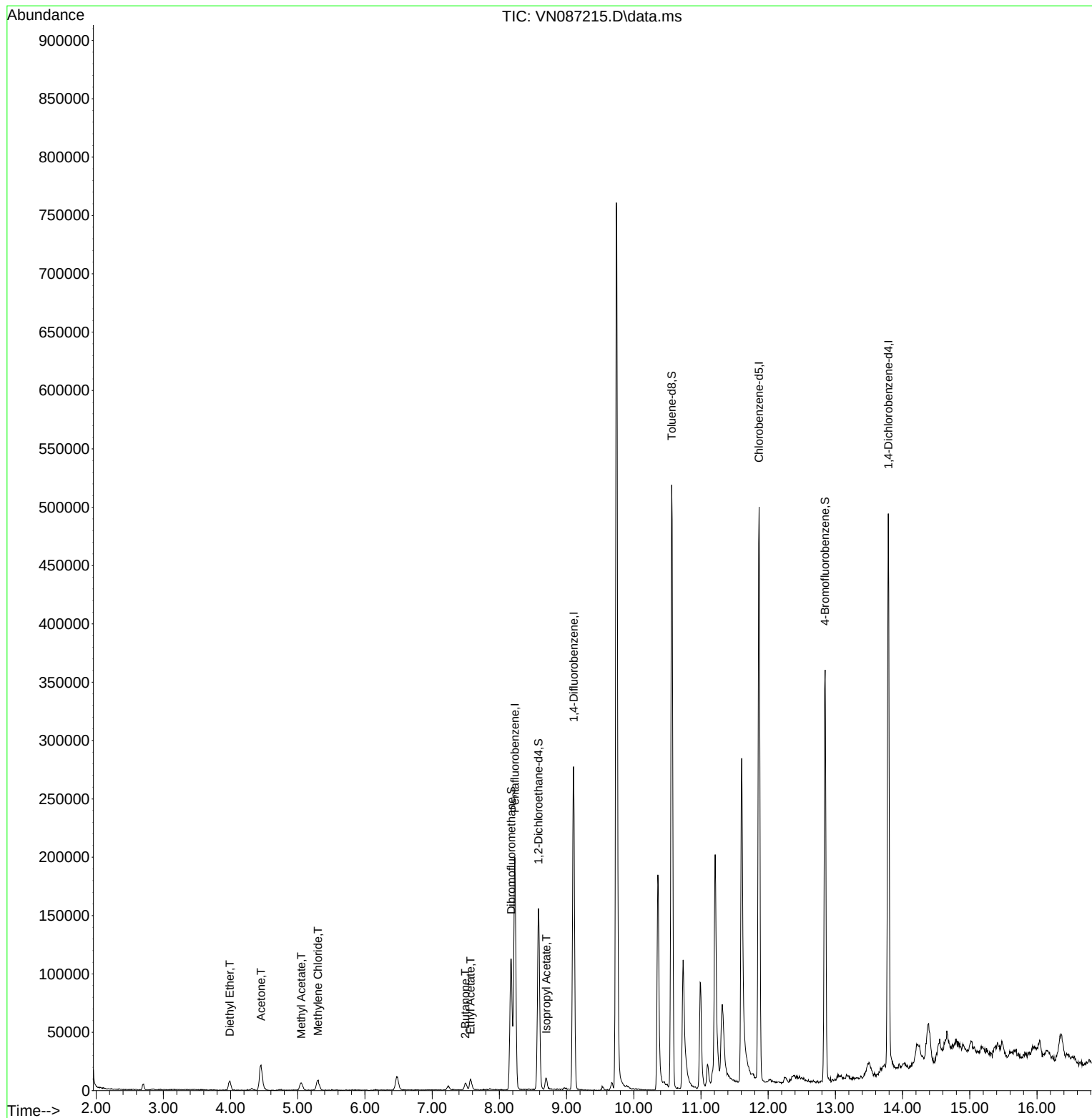
Internal Standards						
1) Pentafluorobenzene	8.230	168	148959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	253602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	296499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	128309	59.855	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 119.720%		
35) Dibromofluoromethane	8.177	113	85764	52.309	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.620%		
50) Toluene-d8	10.565	98	368525	54.346	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 108.700%		
62) 4-Bromofluorobenzene	12.847	95	142409	60.523	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 121.040%#		
Target Compounds						
						Qvalue
8) Diethyl Ether	3.989	74	4789	4.591	ug/l	98
16) Acetone	4.453	43	44683	31.785	ug/l	99
18) Methyl Acetate	5.053	43	14249	4.602	ug/l	100
20) Methylene Chloride	5.300	84	7172	1.979	ug/l	96
25) 2-Butanone	7.494	43	10546	6.489	ug/l	99
37) Ethyl Acetate	7.571	43	13720	2.242	ug/l	98
43) Isopropyl Acetate	8.700	43	11868	2.688	ug/l #	92

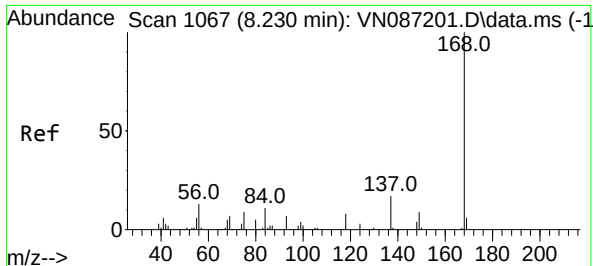
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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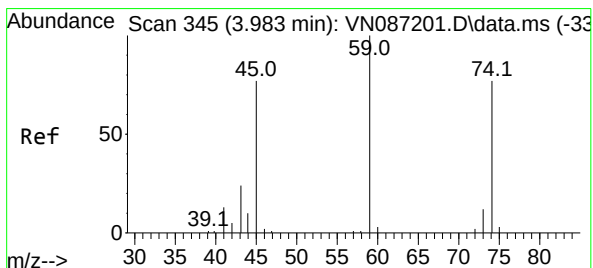
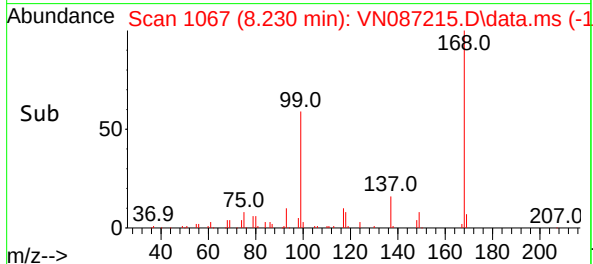
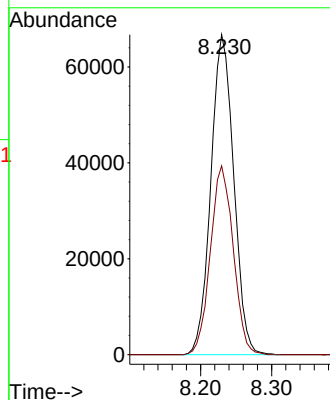
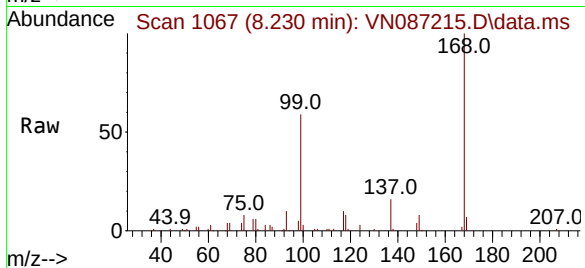




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN087215.D
Acq: 27 Jun 2025 12:49

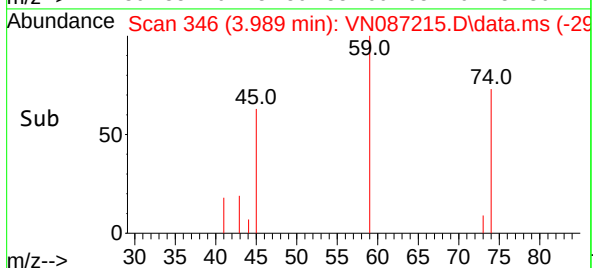
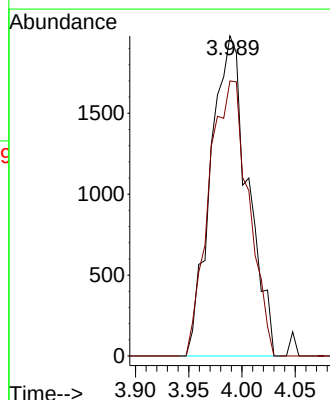
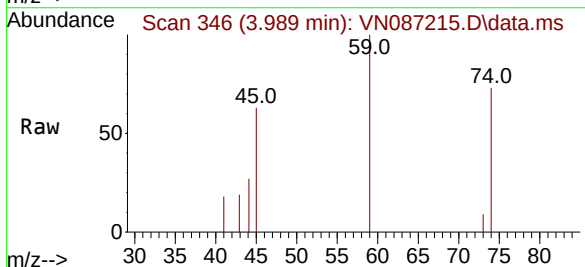
Instrument :
MSVOA_N
ClientSampleId :
PB168627TB

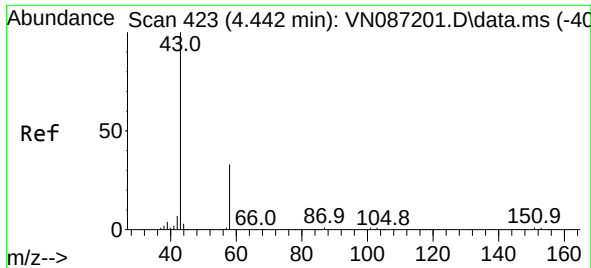
Tgt Ion:168 Resp: 148959
Ion Ratio Lower Upper
168 100
99 59.0 47.9 71.9



#8
Diethyl Ether
Concen: 4.591 ug/l
RT: 3.989 min Scan# 346
Delta R.T. 0.006 min
Lab File: VN087215.D
Acq: 27 Jun 2025 12:49

Tgt Ion: 74 Resp: 4789
Ion Ratio Lower Upper
74 100
45 91.8 47.0 141.2

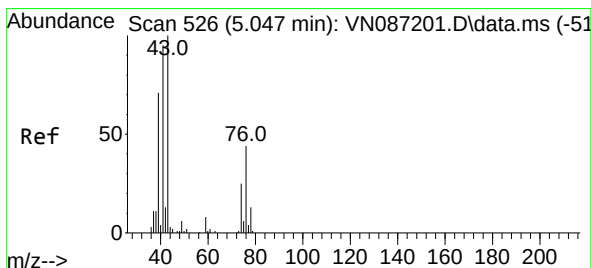
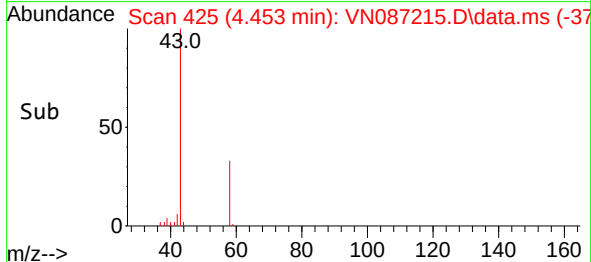
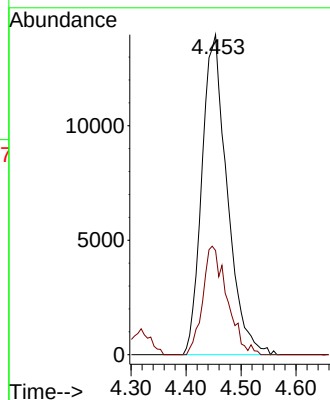
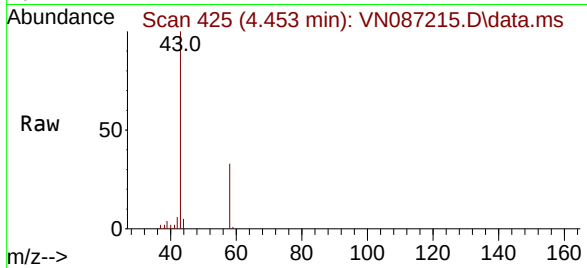




#16
 Acetone
 Concen: 31.785 ug/l
 RT: 4.453 min Scan# 41
 Delta R.T. 0.011 min
 Lab File: VN087215.D
 Acq: 27 Jun 2025 12:49

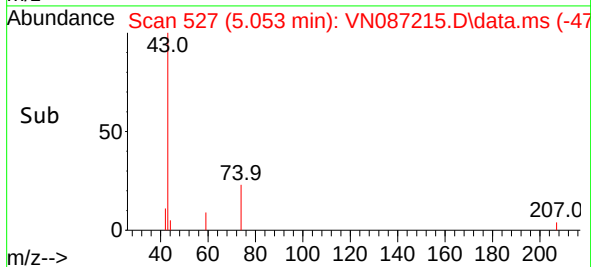
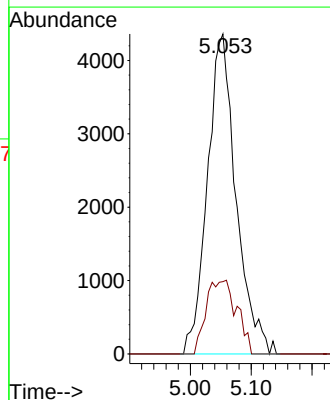
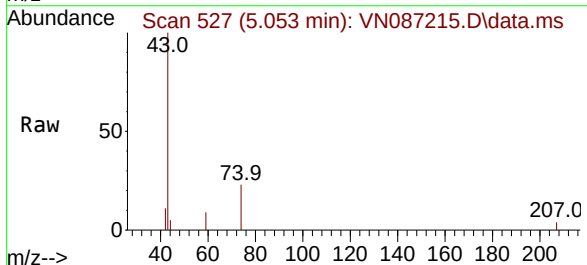
Instrument :
 MSVOA_N
 ClientSampleId :
 PB168627TB

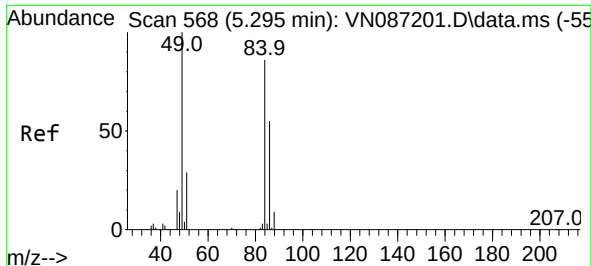
Tgt Ion: 43 Resp: 44683
 Ion Ratio Lower Upper
 43 100
 58 32.6 26.5 39.7



#18
 Methyl Acetate
 Concen: 4.602 ug/l
 RT: 5.053 min Scan# 527
 Delta R.T. 0.006 min
 Lab File: VN087215.D
 Acq: 27 Jun 2025 12:49

Tgt Ion: 43 Resp: 14249
 Ion Ratio Lower Upper
 43 100
 74 24.5 19.4 29.2





#20

Methylene Chloride

Concen: 1.979 ug/l

RT: 5.300 min Scan# 5

Delta R.T. 0.005 min

Lab File: VN087215.D

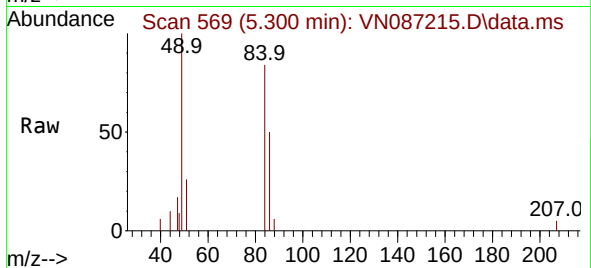
Acq: 27 Jun 2025 12:49

Instrument :

MSVOA_N

ClientSampleId :

PB168627TB



Tgt Ion: 84 Resp: 7172

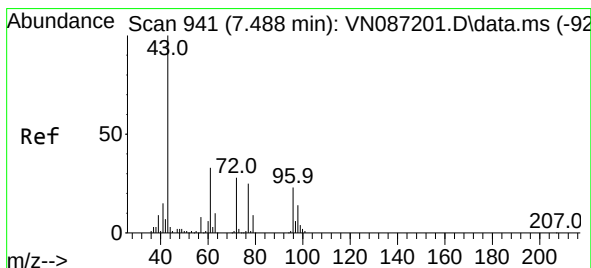
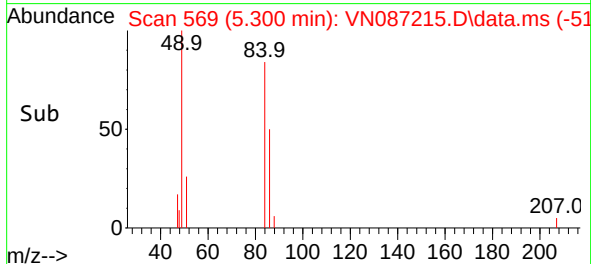
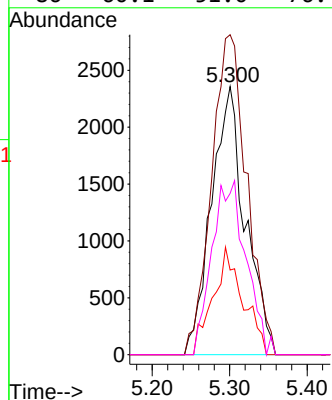
Ion	Ratio	Lower	Upper
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84	100		
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49	119.3	93.0	139.6
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51	31.6	27.2	40.8
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86	60.1	51.0	76.4
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#25

2-Butanone

Concen: 6.489 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.006 min

Lab File: VN087215.D

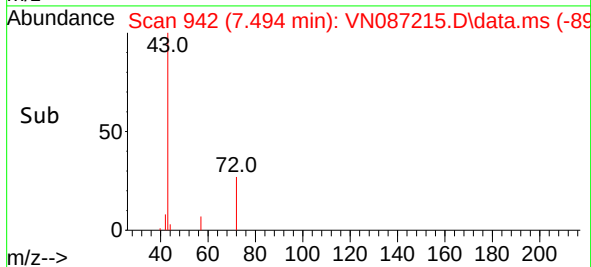
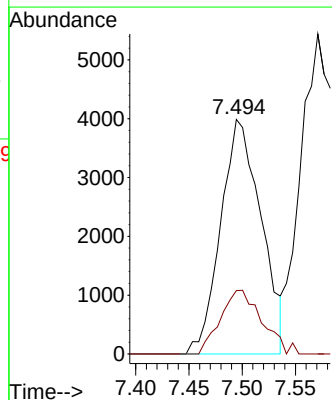
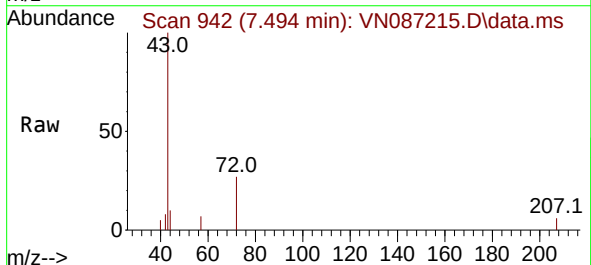
Acq: 27 Jun 2025 12:49

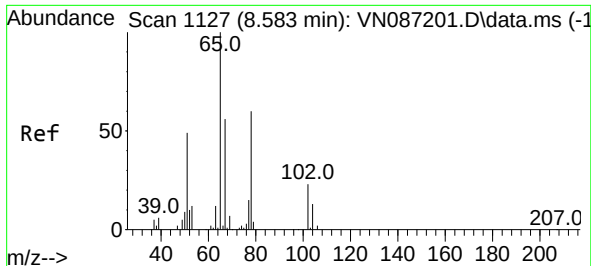
Tgt Ion: 43 Resp: 10546

Ion	Ratio	Lower	Upper
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43	100		
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72	27.0	22.2	33.2
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#33

1,2-Dichloroethane-d4

Concen: 59.855 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN087215.D

Acq: 27 Jun 2025 12:49

Instrument :

MSVOA_N

ClientSampleId :

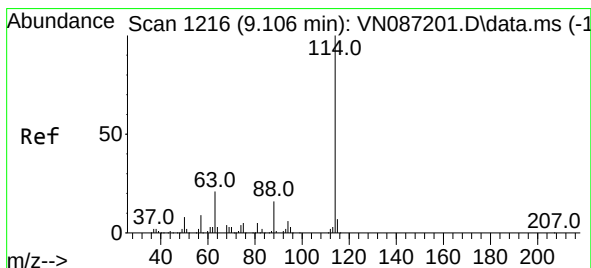
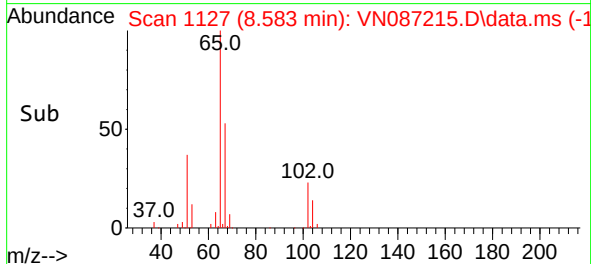
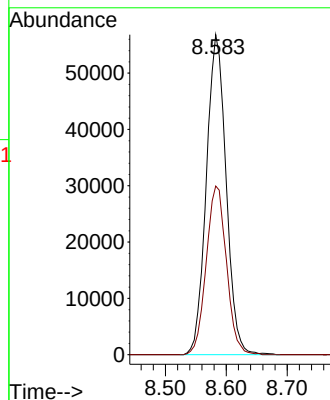
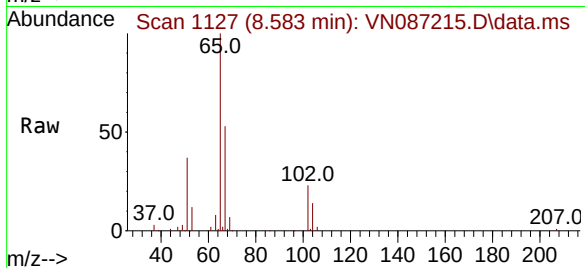
PB168627TB

Tgt Ion: 65 Resp: 128309

Ion Ratio Lower Upper

65 100

67 53.9 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN087215.D

Acq: 27 Jun 2025 12:49

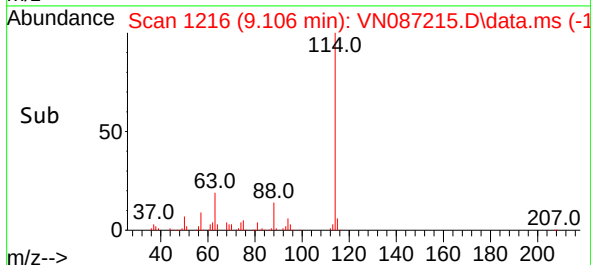
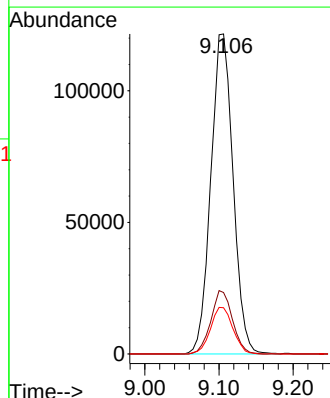
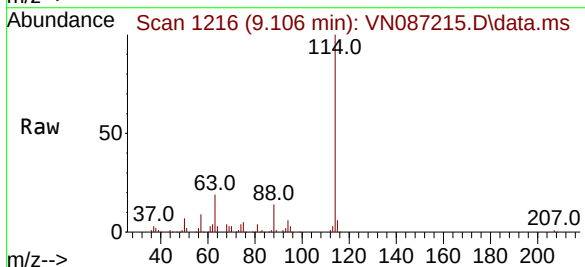
Tgt Ion: 114 Resp: 253602

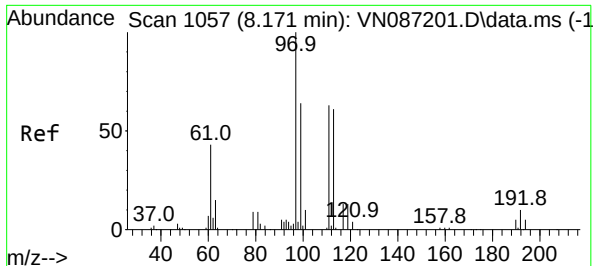
Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.0

88 14.5 0.0 32.0

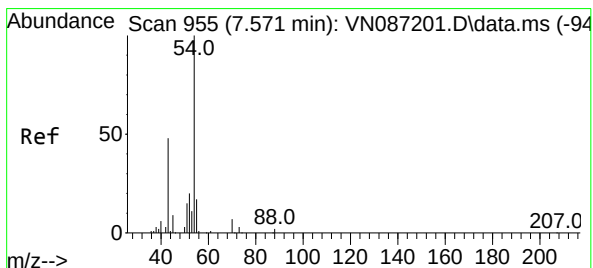
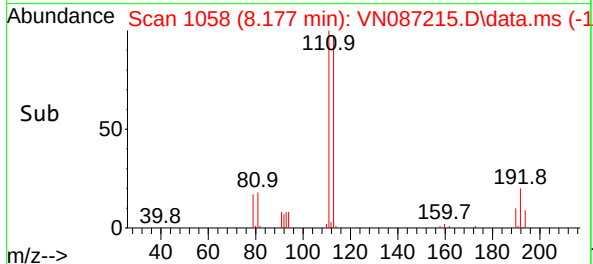
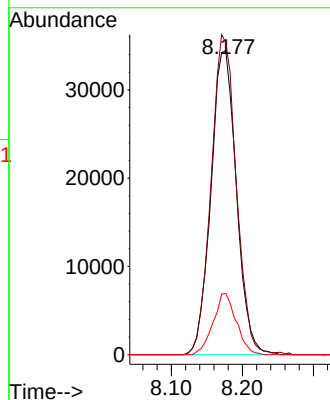
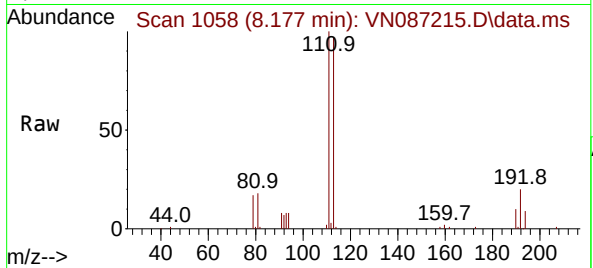




#35
Dibromofluoromethane
Concen: 52.309 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN087215.D
Acq: 27 Jun 2025 12:49

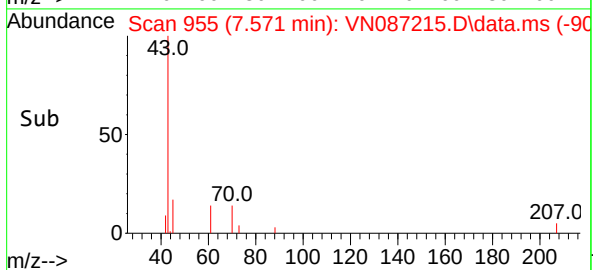
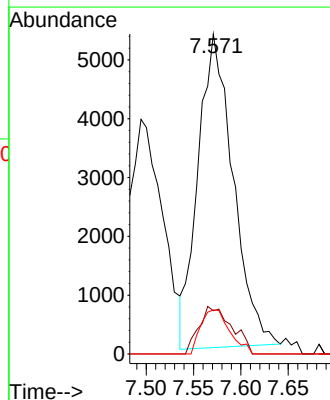
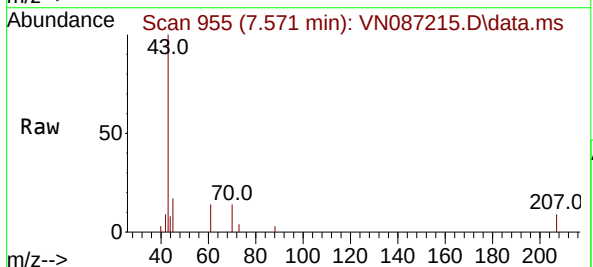
Instrument :
MSVOA_N
ClientSampleId :
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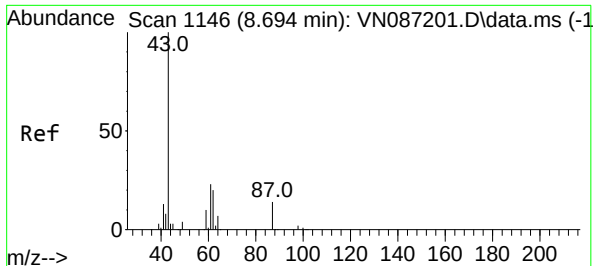
Tgt Ion:113 Resp: 85764
Ion Ratio Lower Upper
113 100
111 103.9 82.6 124.0
192 18.2 13.5 20.3



#37
Ethyl Acetate
Concen: 2.242 ug/l
RT: 7.571 min Scan# 955
Delta R.T. -0.000 min
Lab File: VN087215.D
Acq: 27 Jun 2025 12:49

Tgt Ion: 43 Resp: 13720
Ion Ratio Lower Upper
43 100
61 14.2 10.8 16.2
70 11.7 8.9 13.3

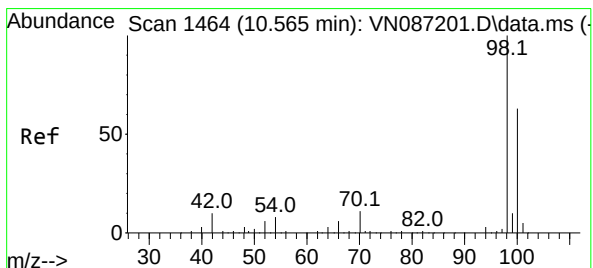
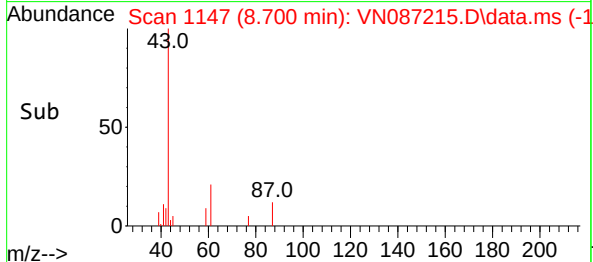
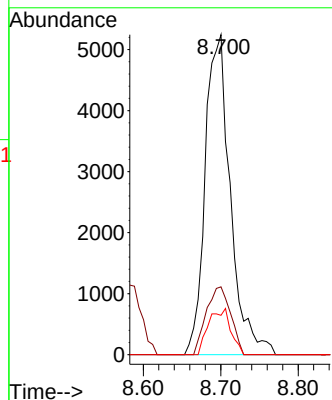
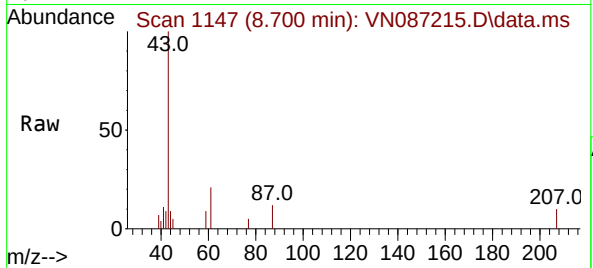




#43
Isopropyl Acetate
Concen: 2.688 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN087215.D
Acq: 27 Jun 2025 12:49

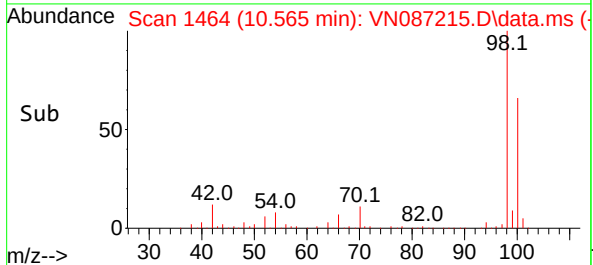
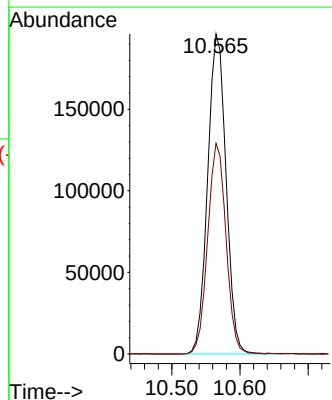
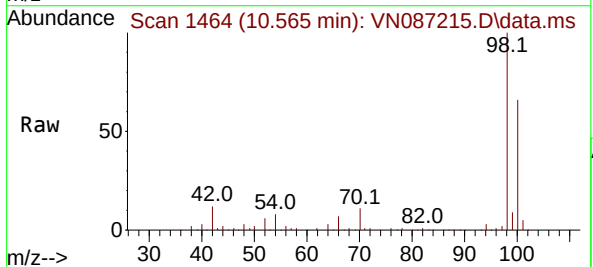
Instrument :
MSVOA_N
ClientSampleId :
PB168627TB

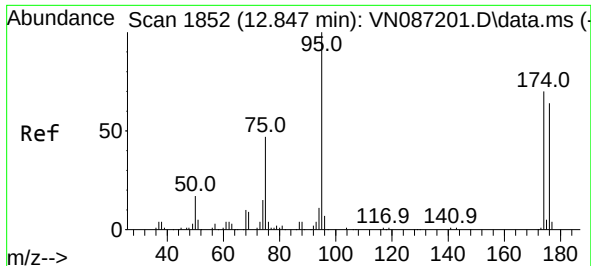
Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.5	21.0	31.6#
87	12.7	11.0	16.6



#50
Toluene-d8
Concen: 54.346 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087215.D
Acq: 27 Jun 2025 12:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1

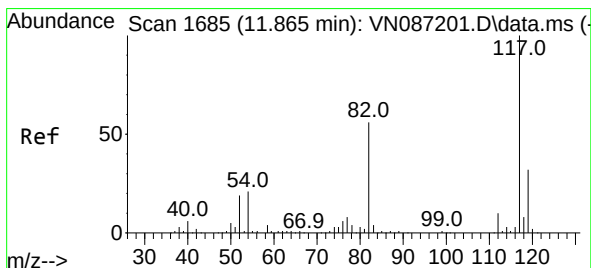
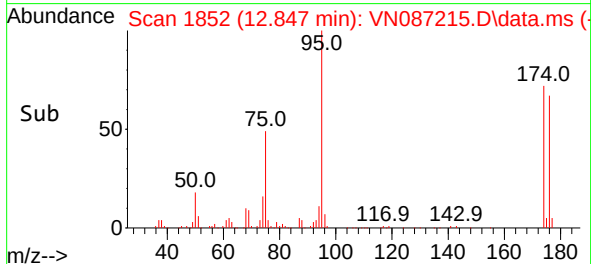
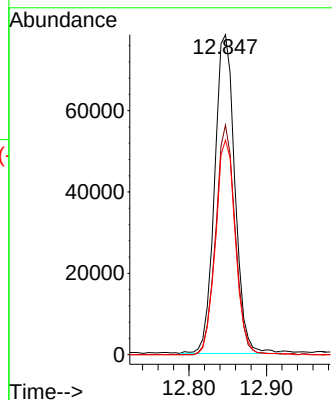
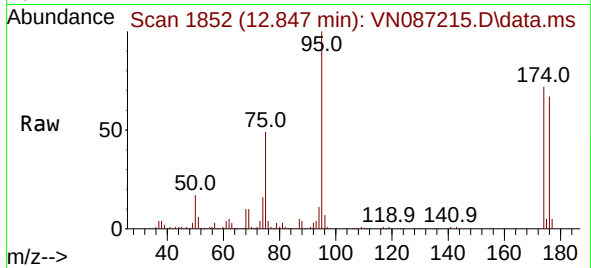




#62
4-Bromofluorobenzene
Concen: 60.523 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087215.D
Acq: 27 Jun 2025 12:49

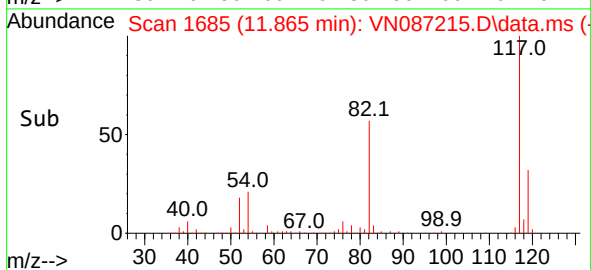
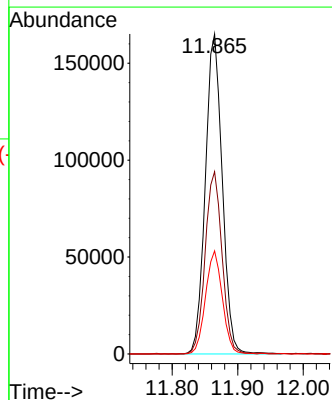
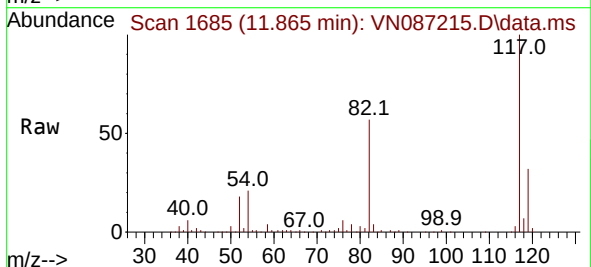
Instrument :
MSVOA_N
ClientSampleId :
PB168627TB

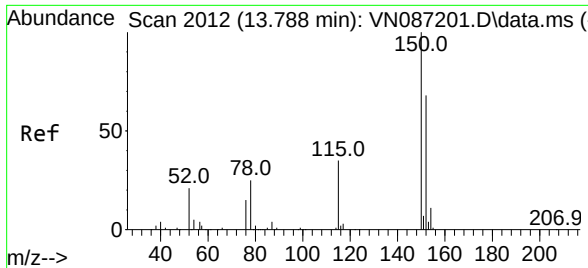
Tgt Ion: 95 Resp: 142409
Ion Ratio Lower Upper
95 100
174 69.3 0.0 142.2
176 66.0 0.0 134.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN087215.D
Acq: 27 Jun 2025 12:49

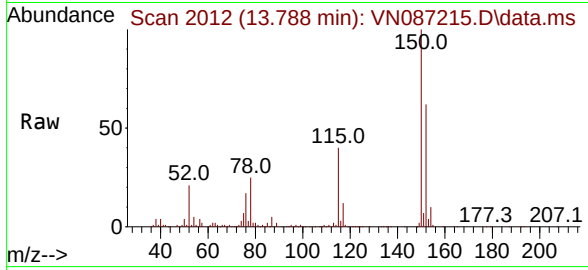
Tgt Ion: 117 Resp: 296499
Ion Ratio Lower Upper
117 100
82 56.8 45.0 67.4
119 32.2 25.9 38.9





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN087215.D
 Acq: 27 Jun 2025 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168627TB



Tgt Ion:	152	Resp:	132802
Ion	Ratio	Lower	Upper
152	100		
115	62.9	30.6	91.8
150	159.4	0.0	347.8

