

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087279.D
 Acq On : 03 Jul 2025 17:56
 Operator : JC\MD
 Sample : Q2487-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 G3(3)

Quant Time: Jul 04 01:36:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

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

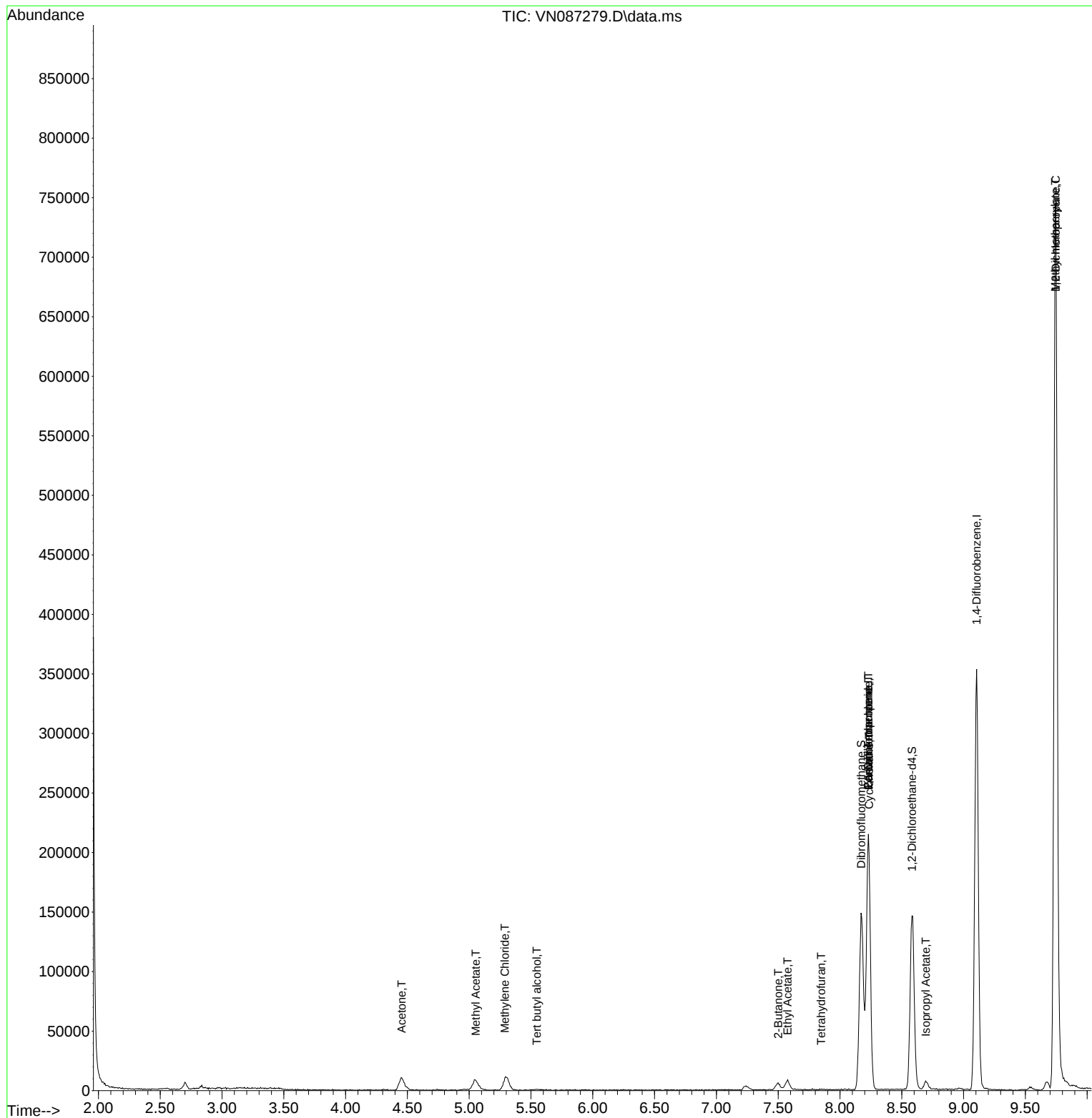
Internal Standards						
1) Pentafluorobenzene	8.230	168	165792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	318764	50.000	ug/l	0.00
63) Chlorobenzene-d5	0.000	117	0	0.000	ug/l	-11.86
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.79
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	125576	60.350	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.700%	
35) Dibromofluoromethane	8.171	113	110167	53.975	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.960%	
50) Toluene-d8	0.000	98	0	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	= 0.000%#	
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	77 - 121	Recovery	= 0.000%#	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.547	59	778	2.052	ug/l #	72
16) Acetone	4.453	43	21164	26.604	ug/l	89
18) Methyl Acetate	5.053	43	18086	9.931	ug/l	96
20) Methylene Chloride	5.289	84	10133	5.750	ug/l #	88
25) 2-Butanone	7.500	43	9234	7.428	ug/l	93
29) Tetrahydrofuran	7.847	42	294	0.367	ug/l #	25
31) Cyclohexane	8.235	56	3076	1.085	ug/l #	8
36) 1,1-Dichloropropene	8.230	75	11911	4.291	ug/l #	48
37) Ethyl Acetate	7.577	43	12647	4.239	ug/l	99
38) Carbon Tetrachloride	8.230	117	16948	5.389	ug/l #	18
43) Isopropyl Acetate	8.694	43	7673	1.658	ug/l #	90
45) 1,2-Dichloropropane	9.747	63	956	0.510	ug/l #	45
48) Methyl methacrylate	9.741	41	73914	37.900	ug/l #	34

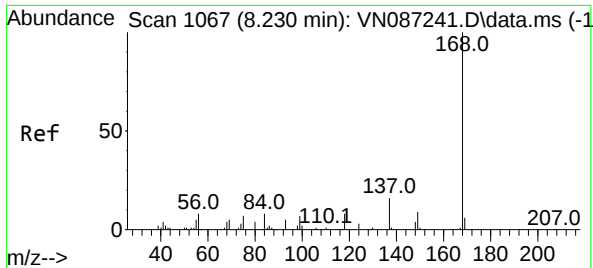
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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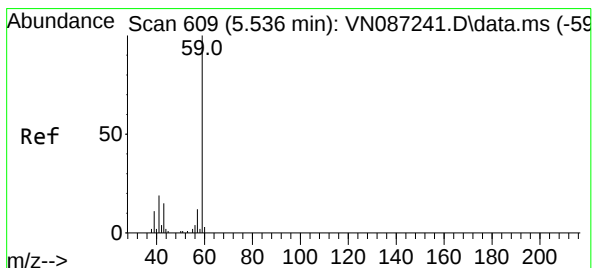
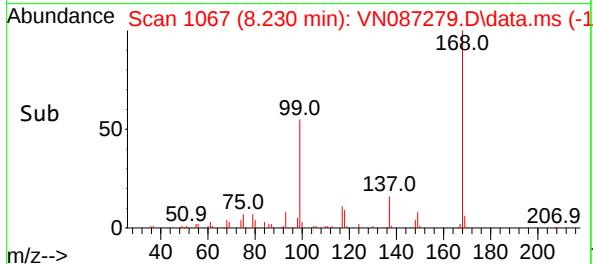
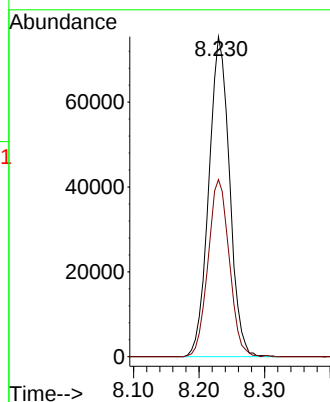
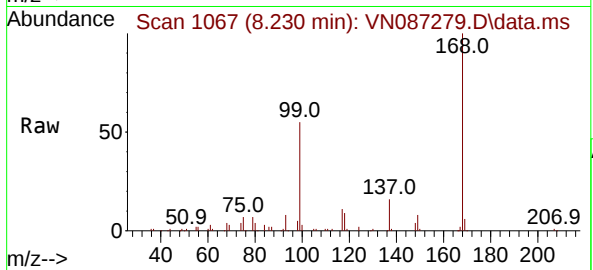




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087279.D
Acq: 03 Jul 2025 17:56

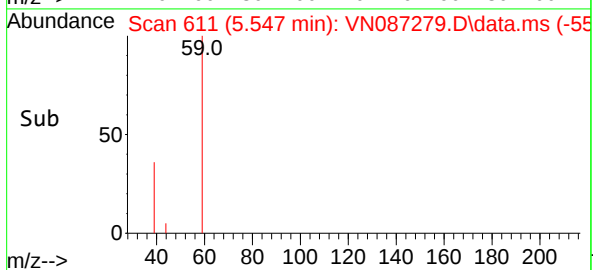
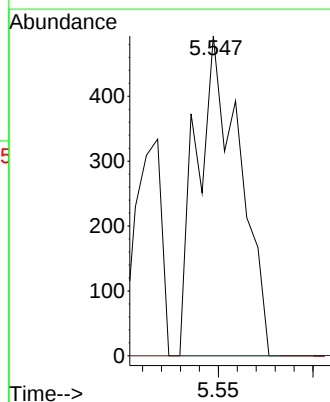
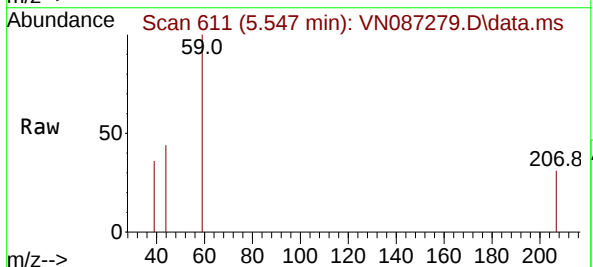
Instrument :
MSVOA_N
ClientSampleId :
G3(3)

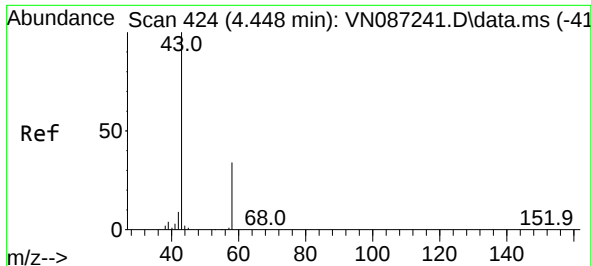
Tgt Ion:168 Resp: 165792
Ion Ratio Lower Upper
168 100
99 55.4 42.6 64.0



#11
Tert butyl alcohol
Concen: 2.052 ug/l
RT: 5.547 min Scan# 611
Delta R.T. 0.012 min
Lab File: VN087279.D
Acq: 03 Jul 2025 17:56

Tgt Ion: 59 Resp: 778
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#16

Acetone

Concen: 26.604 ug/l

RT: 4.453 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN087279.D

Acq: 03 Jul 2025 17:56

Instrument :

MSVOA_N

ClientSampleId :

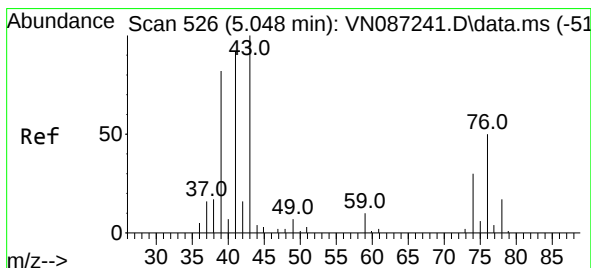
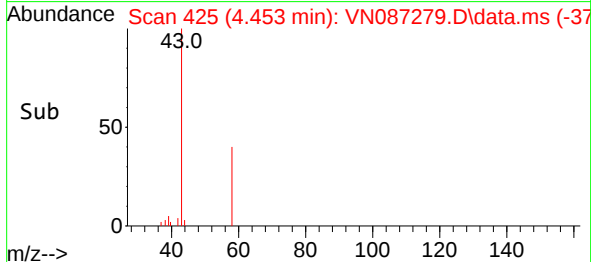
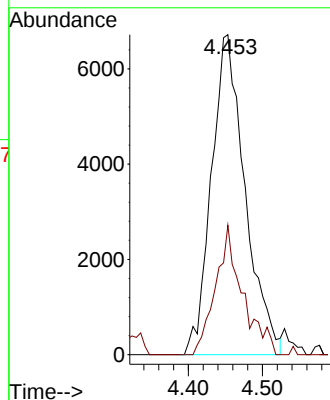
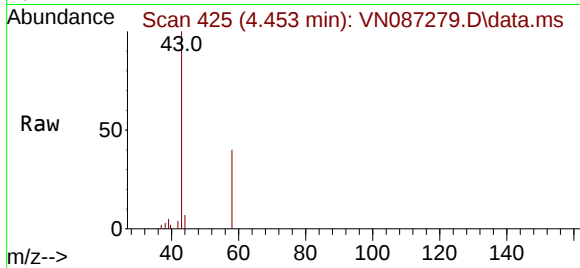
G3(3)

Tgt Ion: 43 Resp: 21164

Ion Ratio Lower Upper

43 100

58 40.4 27.1 40.7



#18

Methyl Acetate

Concen: 9.931 ug/l

RT: 5.053 min Scan# 527

Delta R.T. 0.006 min

Lab File: VN087279.D

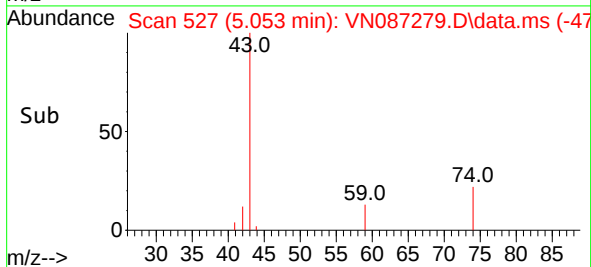
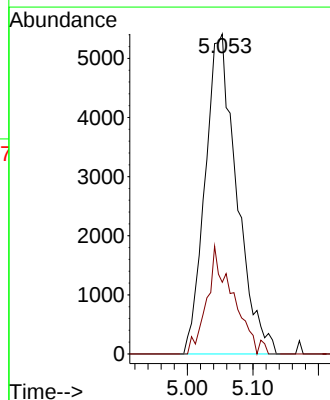
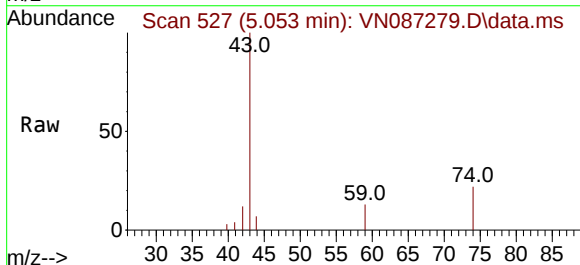
Acq: 03 Jul 2025 17:56

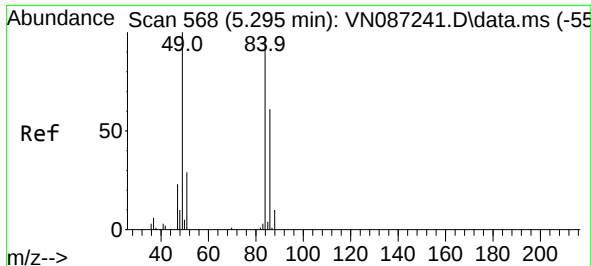
Tgt Ion: 43 Resp: 18086

Ion Ratio Lower Upper

43 100

74 27.3 23.8 35.6

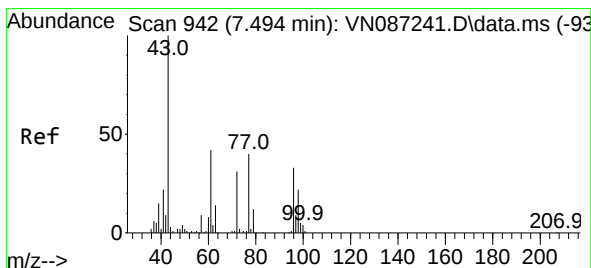
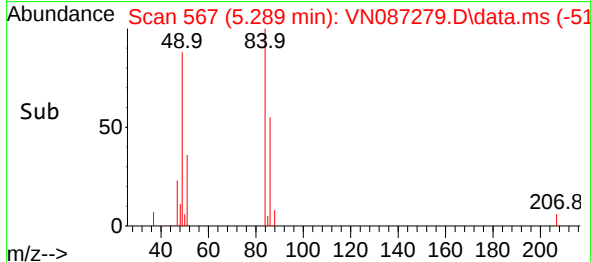
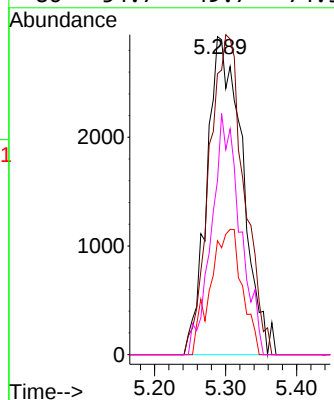
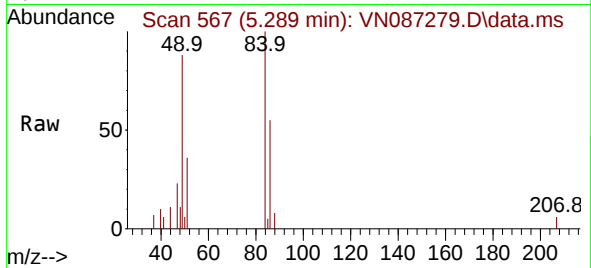




#20
Methylene Chloride
Concen: 5.750 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN087279.D
Acq: 03 Jul 2025 17:56

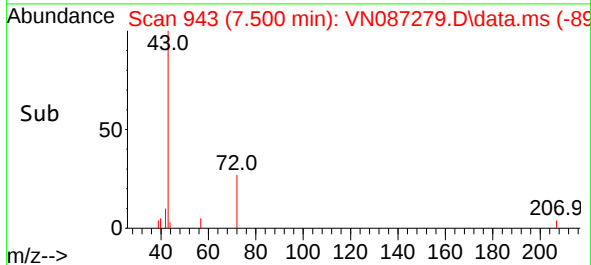
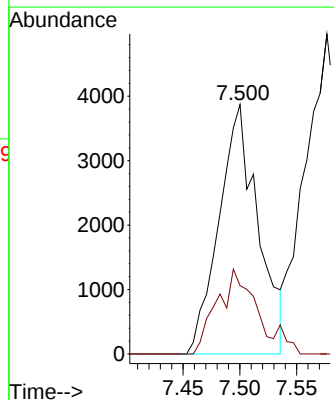
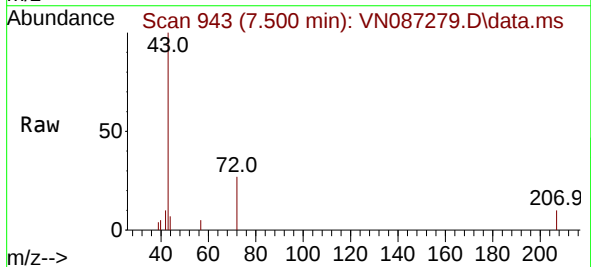
Instrument :
MSVOA_N
ClientSampleId :
G3(3)

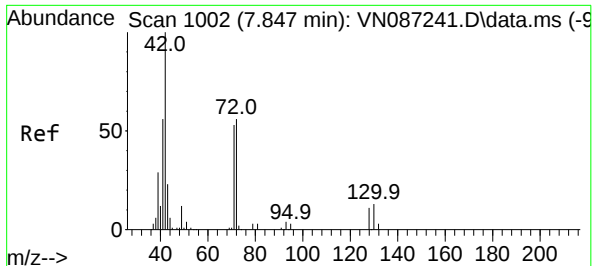
Tgt Ion:	84	Resp:	10133
Ion	Ratio	Lower	Upper
84	100		
49	88.3	82.1	123.1
51	35.8	23.5	35.3#
86	54.7	49.7	74.5



#25
2-Butanone
Concen: 7.428 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN087279.D
Acq: 03 Jul 2025 17:56

Tgt Ion:	43	Resp:	9234
Ion	Ratio	Lower	Upper
43	100		
72	27.4	24.8	37.2





#29

Tetrahydrofuran

Concen: 0.367 ug/l

RT: 7.847 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VN087279.D

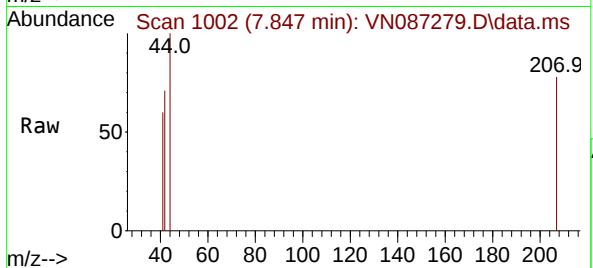
Acq: 03 Jul 2025 17:56

Instrument :

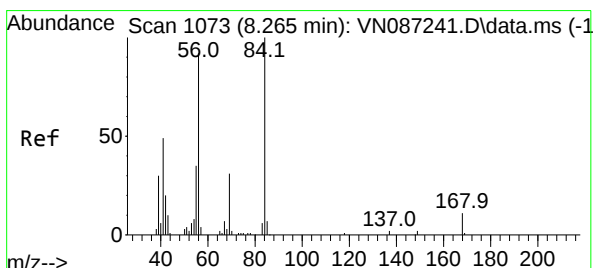
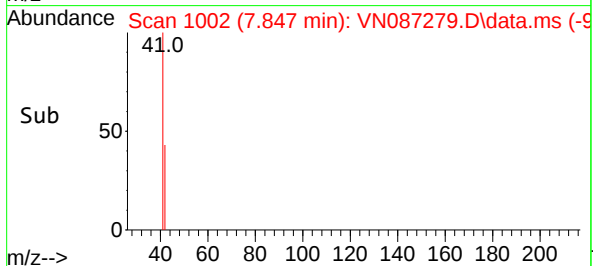
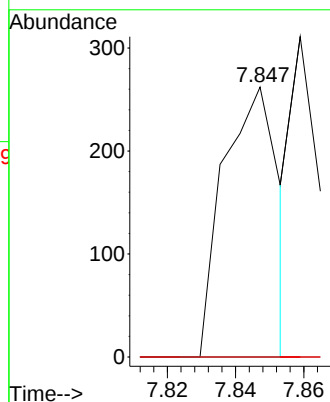
MSVOA_N

ClientSampleId :

G3(3)



Tgt Ion: 42	Resp: 294
Ion Ratio	Lower Upper
42	100
72	0.0 44.2 66.4#
71	0.0 41.1 61.7#



#31

Cyclohexane

Concen: 1.085 ug/l

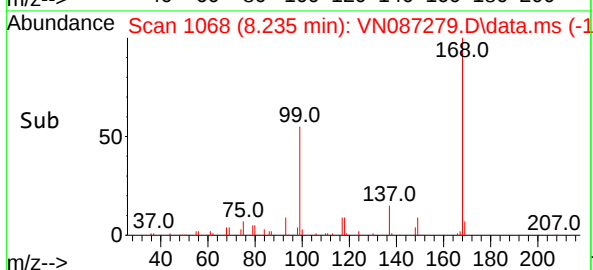
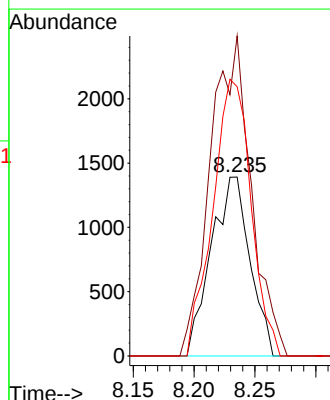
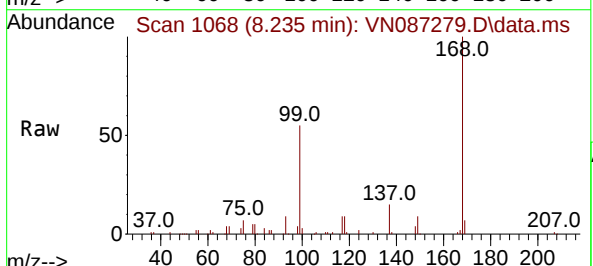
RT: 8.235 min Scan# 1068

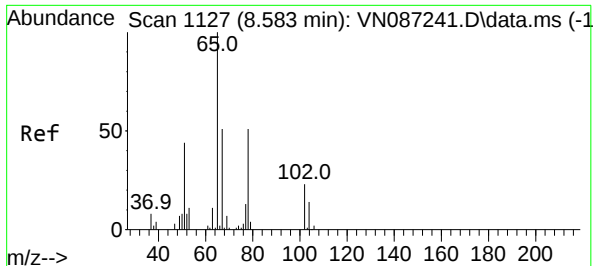
Delta R.T. -0.030 min

Lab File: VN087279.D

Acq: 03 Jul 2025 17:56

Tgt Ion: 56	Resp: 3076
Ion Ratio	Lower Upper
56	100
69	178.9 27.0 40.6#
84	150.6 86.2 129.4#





#33

1,2-Dichloroethane-d4

Concen: 60.350 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN087279.D

Acq: 03 Jul 2025 17:56

Instrument :

MSVOA_N

ClientSampleId :

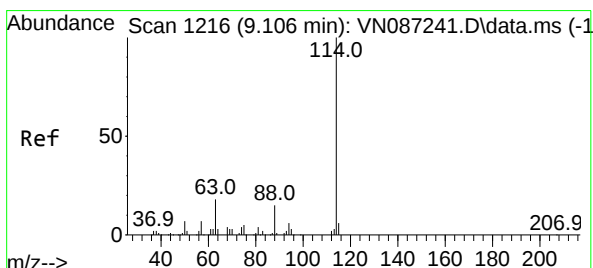
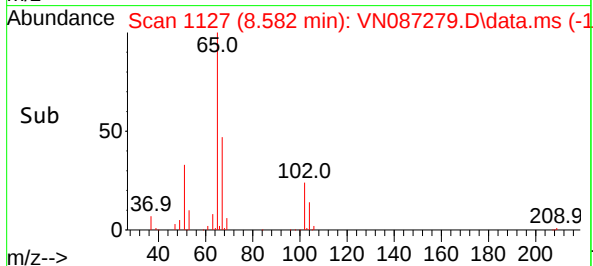
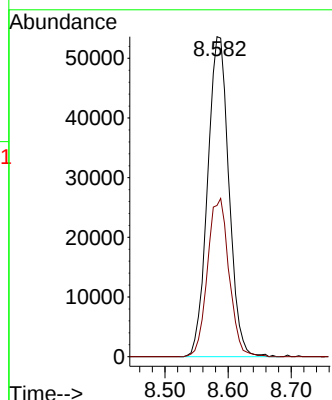
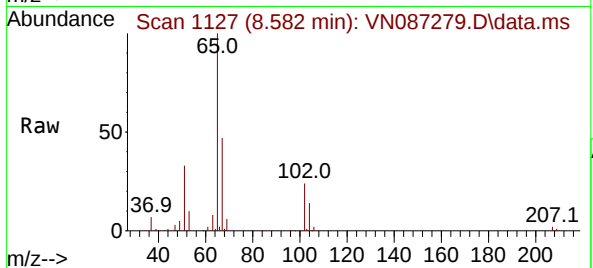
G3(3)

Tgt Ion: 65 Resp: 125576

Ion Ratio Lower Upper

65 100

67 50.0 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087279.D

Acq: 03 Jul 2025 17:56

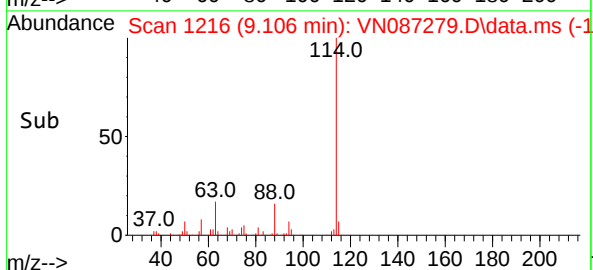
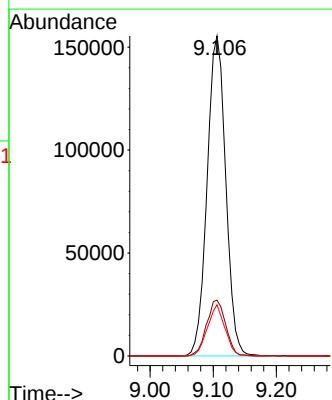
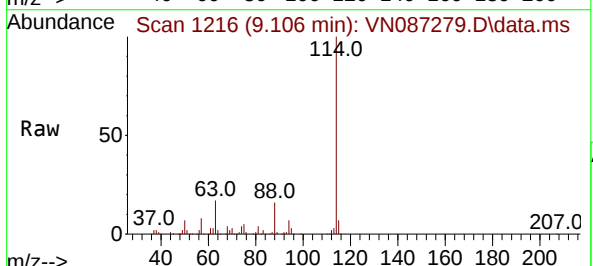
Tgt Ion: 114 Resp: 318764

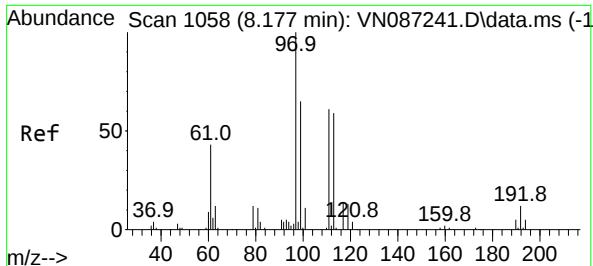
Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.6

88 16.0 0.0 29.6





#35

Dibromofluoromethane

Concen: 53.975 ug/l

RT: 8.171 min Scan# 110

Delta R.T. -0.006 min

Lab File: VN087279.D

Acq: 03 Jul 2025 17:56

Instrument :

MSVOA_N

ClientSampleId :

G3(3)

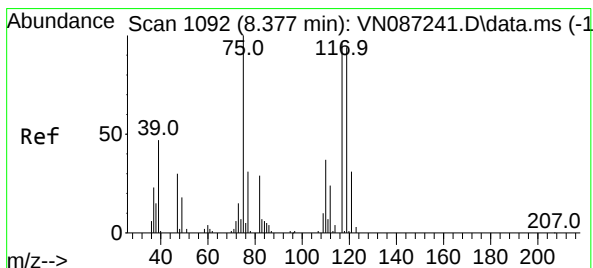
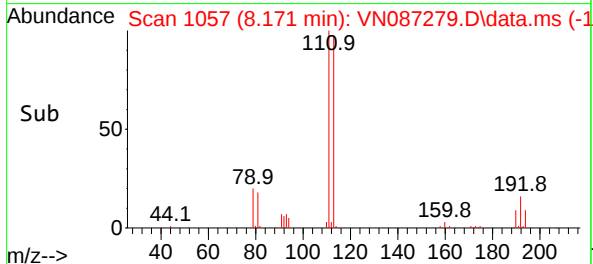
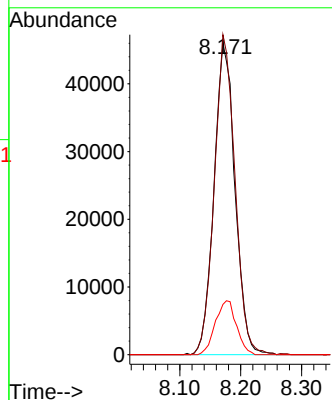
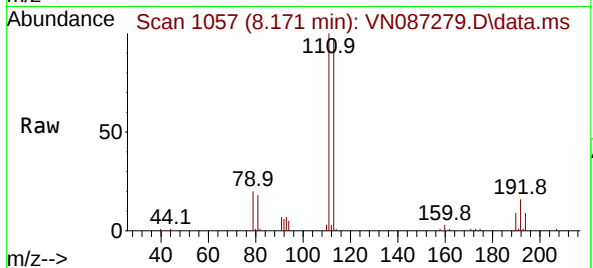
Tgt Ion:113 Resp: 110167

Ion Ratio Lower Upper

113 100

111 100.9 81.4 122.2

192 17.4 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.291 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087279.D

Acq: 03 Jul 2025 17:56

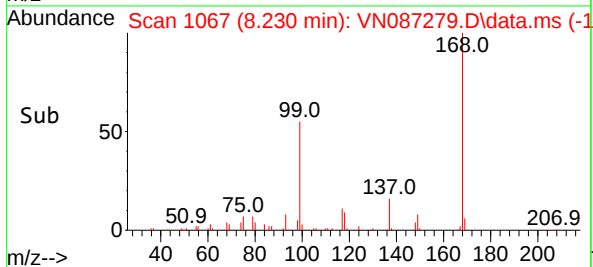
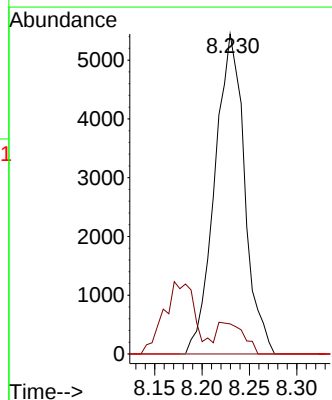
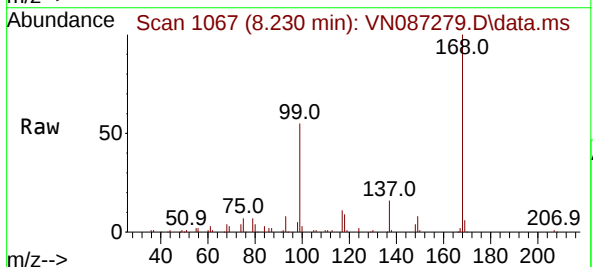
Tgt Ion: 75 Resp: 11911

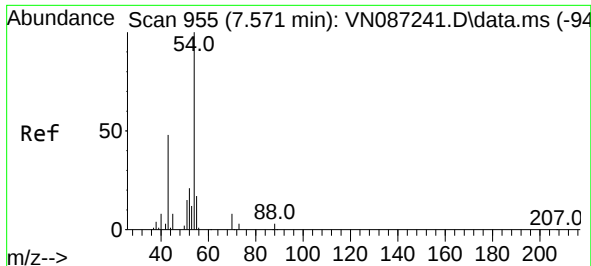
Ion Ratio Lower Upper

75 100

110 8.6 18.7 56.1#

77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 4.239 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN087279.D

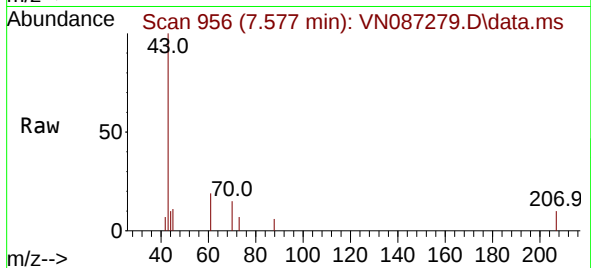
Acq: 03 Jul 2025 17:56

Instrument :

MSVOA_N

ClientSampleId :

G3(3)



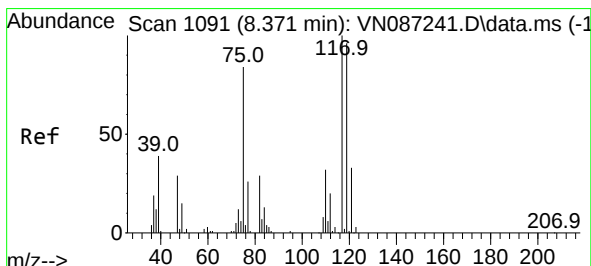
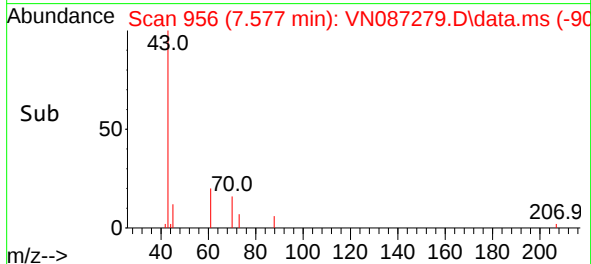
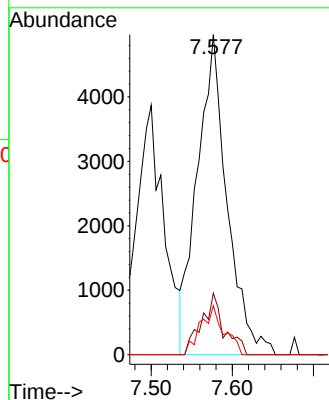
Tgt Ion: 43 Resp: 12647

Ion Ratio Lower Upper

43 100

61 14.5 11.3 16.9

70 12.0 9.9 14.9



#38

Carbon Tetrachloride

Concen: 5.389 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087279.D

Acq: 03 Jul 2025 17:56

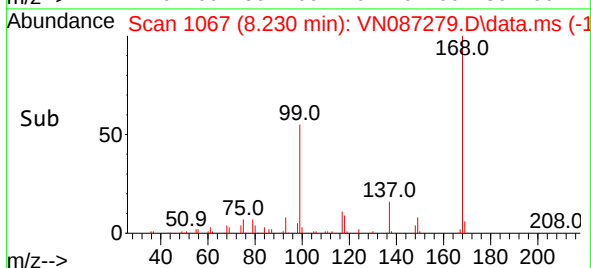
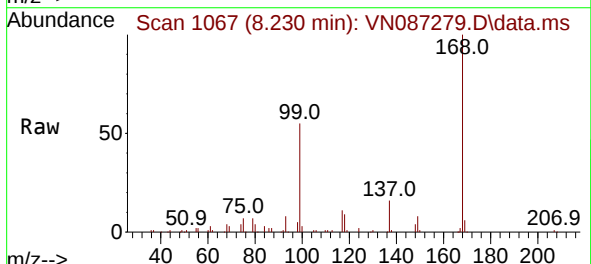
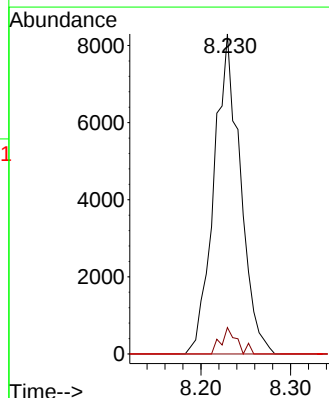
Tgt Ion: 117 Resp: 16948

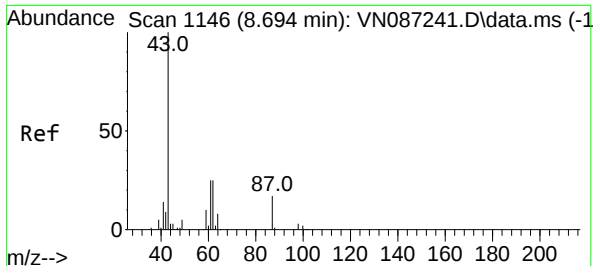
Ion Ratio Lower Upper

117 100

119 8.2 77.2 115.8#

121 0.0 26.6 39.8#

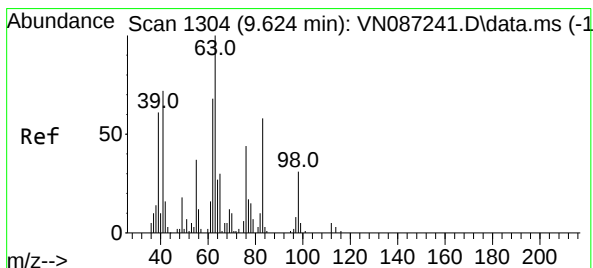
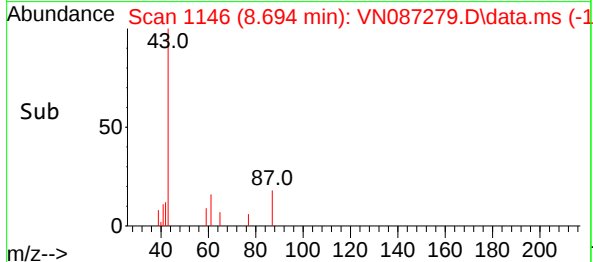
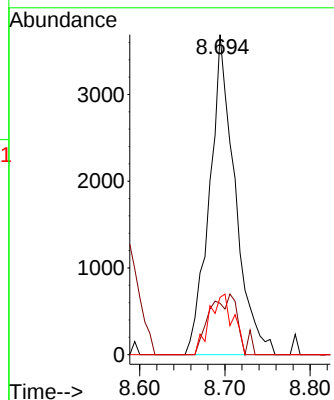
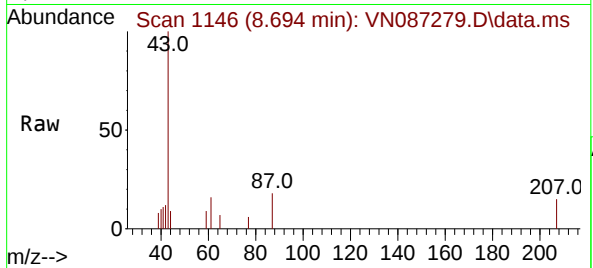




#43
Isopropyl Acetate
Concen: 1.658 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN087279.D
Acq: 03 Jul 2025 17:56

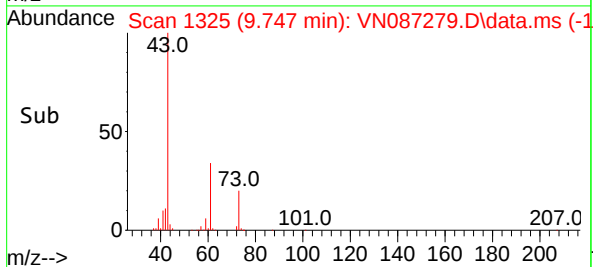
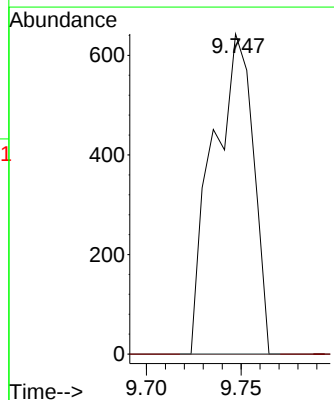
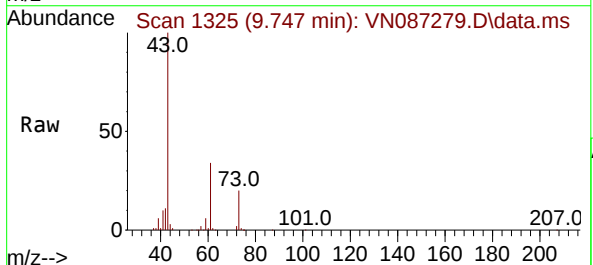
Instrument :
MSVOA_N
ClientSampleId :
G3(3)

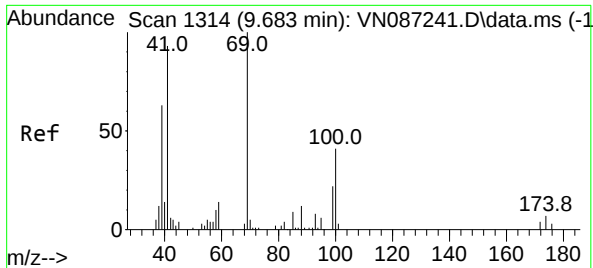
Tgt Ion: 43 Resp: 7673
Ion Ratio Lower Upper
43 100
61 21.3 22.4 33.6#
87 17.8 12.8 19.2



#45
1,2-Dichloropropane
Concen: 0.510 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN087279.D
Acq: 03 Jul 2025 17:56

Tgt Ion: 63 Resp: 956
Ion Ratio Lower Upper
63 100
65 0.0 23.8 35.8#

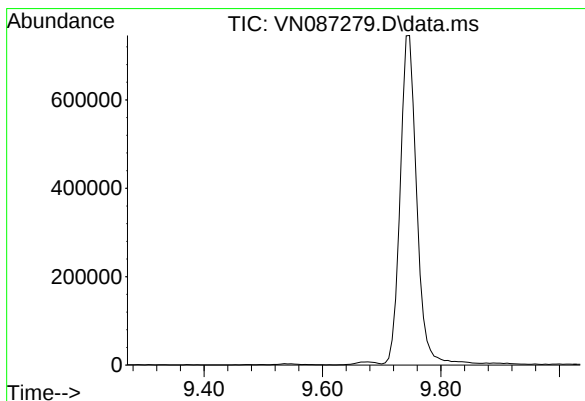
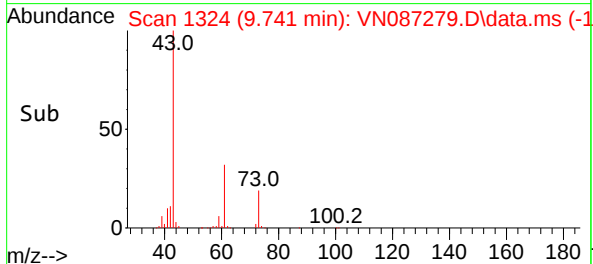
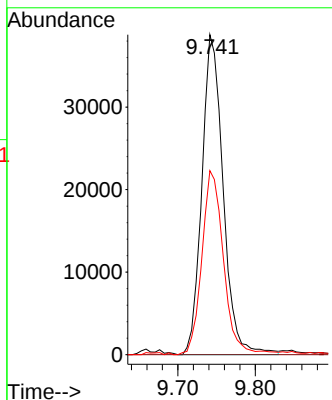
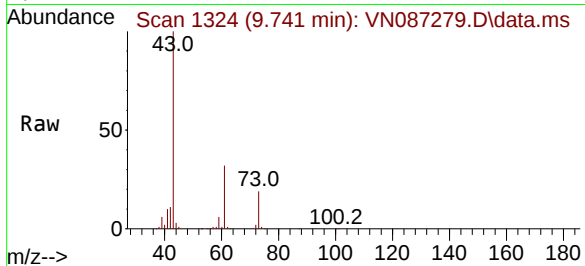




#48
Methyl methacrylate
Concen: 37.900 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN087279.D
Acq: 03 Jul 2025 17:56

Instrument :
MSVOA_N
ClientSampleId :
G3(3)

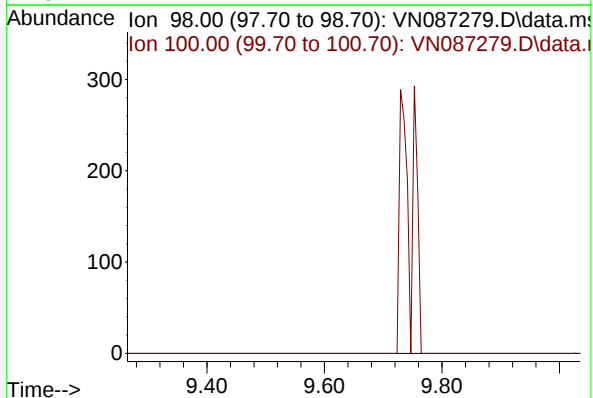
Tgt Ion: 41 Resp: 73914
Ion Ratio Lower Upper
41 100
69 0.0 81.4 122.2#
39 58.6 56.9 85.3

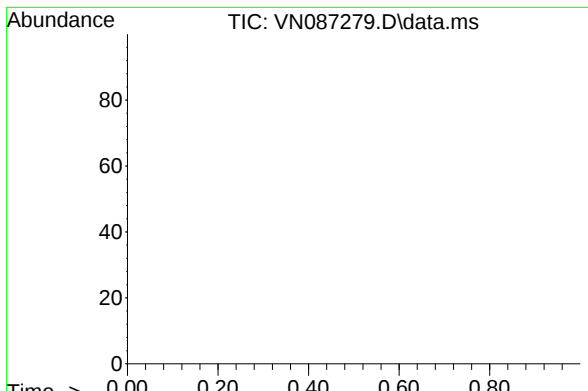


#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.56 min

Lab File: VN087279.D
Acq: 03 Jul 2025 17:56

Tgt Ion: 98
Sig Exp Ratio
98 100
100 65.1

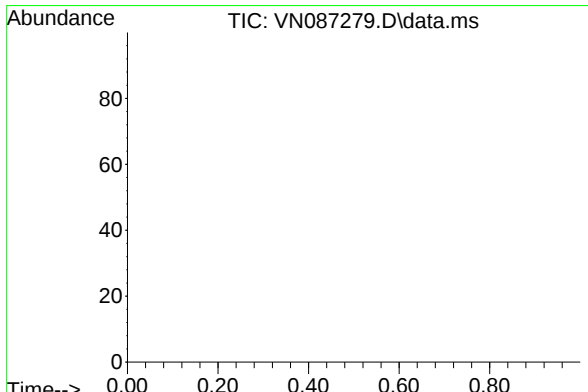
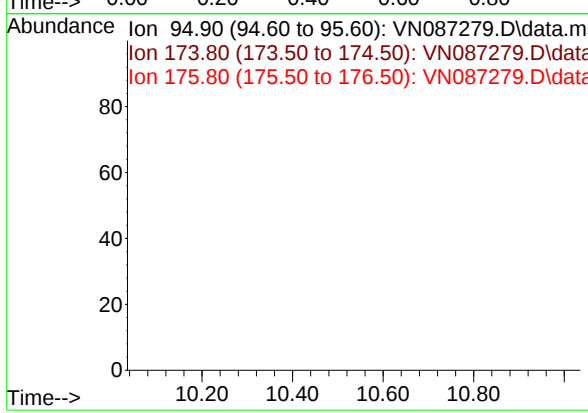




#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.85 min
 Lab File: VN087279.D
 Acq: 03 Jul 2025 17:56
 Tgt Ion: 95

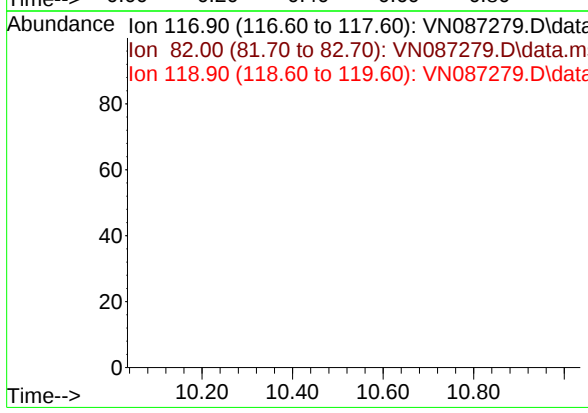
Sig	Exp Ratio
95	100
174	84.8
176	80.8

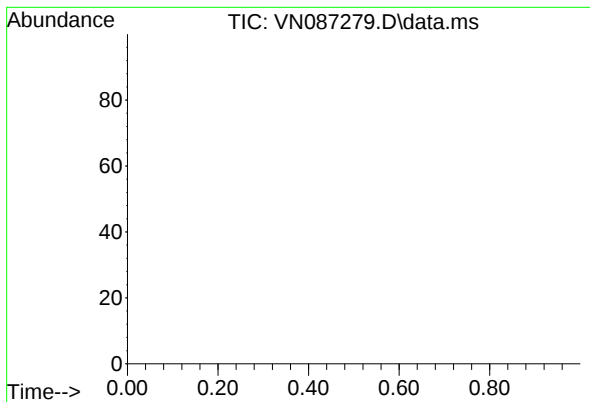
Instrument : MSVOA_N
 ClientSampleId : G3(3)



#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 11.86 min
 Lab File: VN087279.D
 Acq: 03 Jul 2025 17:56
 Tgt Ion: 117

Sig	Exp Ratio
117	100
82	52.4
119	32.8





#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.79 min

Lab File: VN087279.D
Acq: 03 Jul 2025 17:56

Instrument :
MSVOA_N
ClientSampleId :
G3(3)

Tgt Ion: 152
Sig Exp Ratio
152 100
115 56.6
150 172.3

