Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082025\
Data File : VN087611.D
Acq On : 20 Aug 2025 12:41
Operator : JC\MD
Sample : IBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Quant Time: Aug 21 02:43:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.876	128	79	30.000	ug/l	0.08
28) 1,4-Difluorobenzene	9.082	114	261067	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	230020	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	136877	18784.824	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 62616.067%#			
60) 4-Bromofluorobenzene	12.829	95	106673	26.948	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 89.833%			
63) Toluene-d8	10.547	98	316067	29.863	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.533%			
Target Compounds						Qvalue
3) Chloromethane	2.512	50	145	27.400	ug/l #	42
5) Bromomethane	2.994	94	615	202.433	ug/l	88
10) 1,1-Dichloroethene	4.371	96	220	50.846	ug/l #	1
11) Methyl Iodide	4.618	142	296	86.884	ug/l #	39
12) Methyl Acetate	5.071	43	82	10.270	ug/l #	56
13) Acrolein	3.777	56	181	148.421	ug/l	98
14) Acrylonitrile	5.718	53	79	22.658	ug/l #	1
15) Acetone	4.459	58	385	386.470	ug/l #	1
16) Carbon Disulfide	4.730	76	374	27.866	ug/l #	75
17) Allyl chloride	4.724	41	75	8.504	ug/l	94
18) Methylene Chloride	5.306	84	71	12.747	ug/l #	2
19) trans-1,2-Dichloroethene	5.788	96	57	11.078	ug/l #	1
22) cis-1,2-Dichloroethene	7.471	96	173	27.326	ug/l #	1
25) Chloroform	7.941	83	103	9.502	ug/l #	17
26) Cyclohexane	8.206	56	108	12.989	ug/l #	10
36) 1,2-Dichloroethane	9.082	62	11656	2.146	ug/l #	77
56) Bromoform	12.823	173	743	0.298	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.829	75	64499	36.770	ug/l #	3

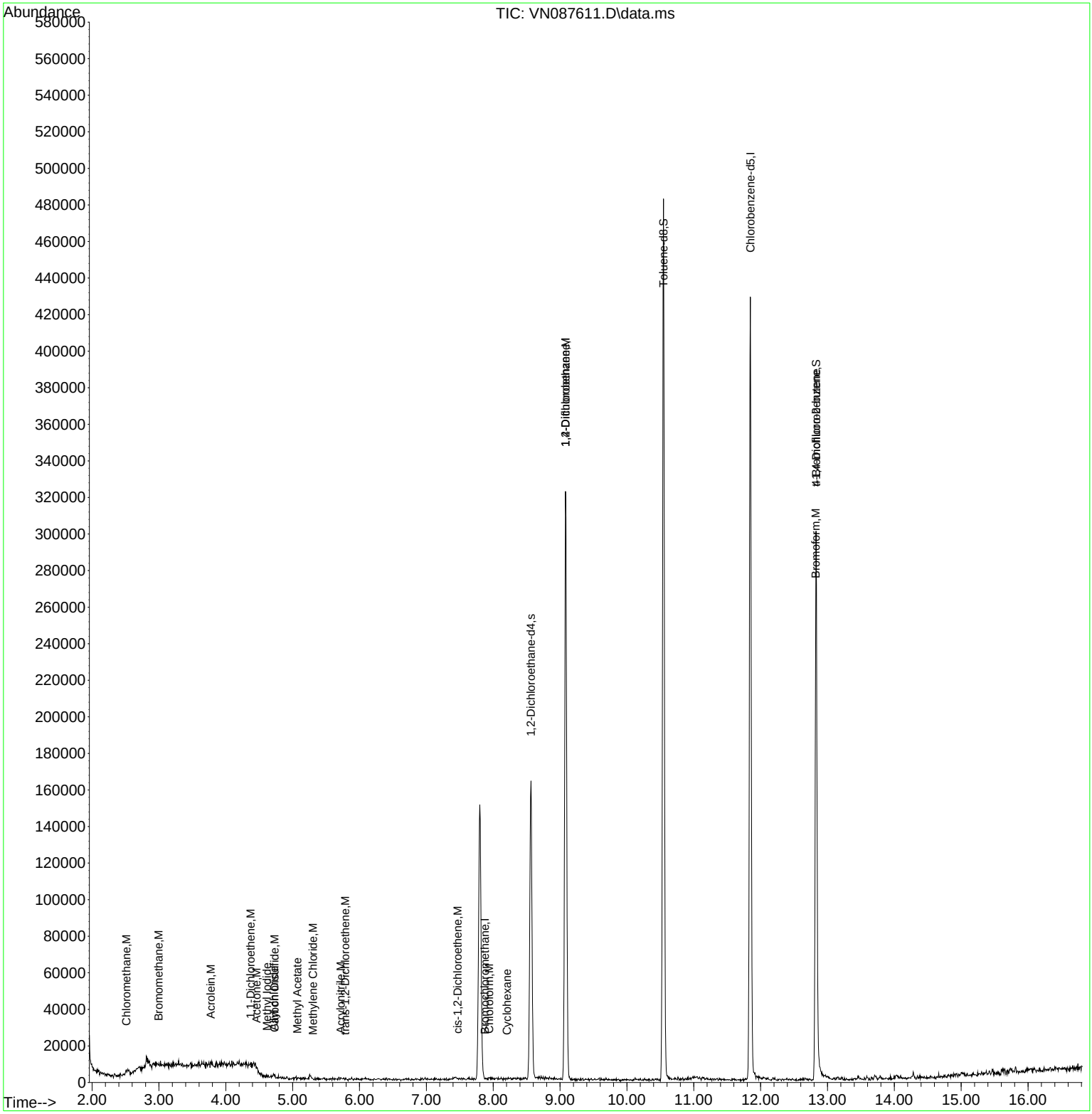
(#) = qualifier out of range (m) = manual integration (+) = signals summed

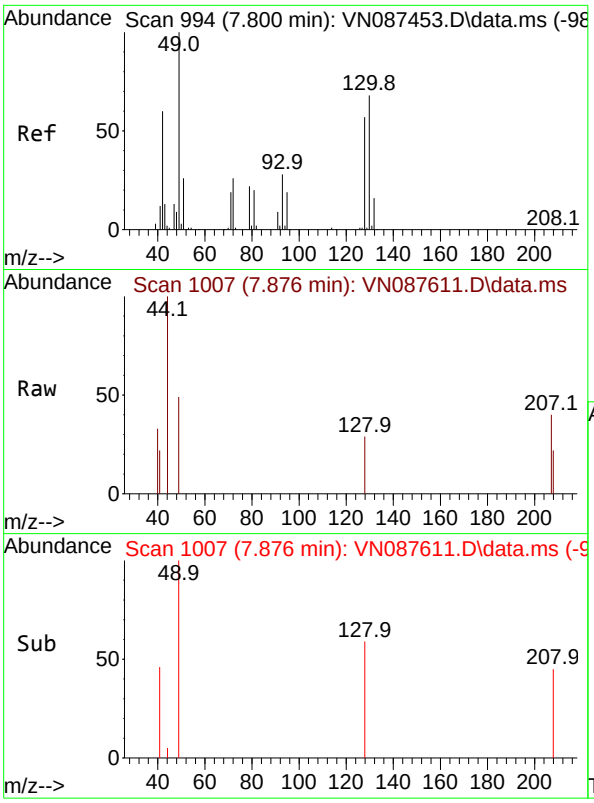
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082025\
Data File : VN087611.D
Acq On : 20 Aug 2025 12:41
Operator : JC\MD
Sample : IBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Quant Time: Aug 21 02:43:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration



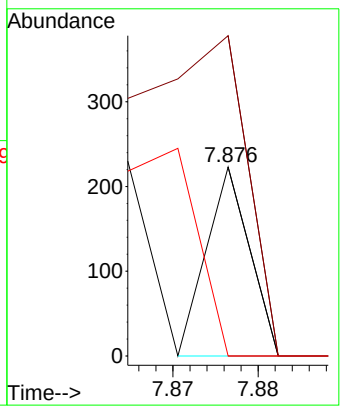


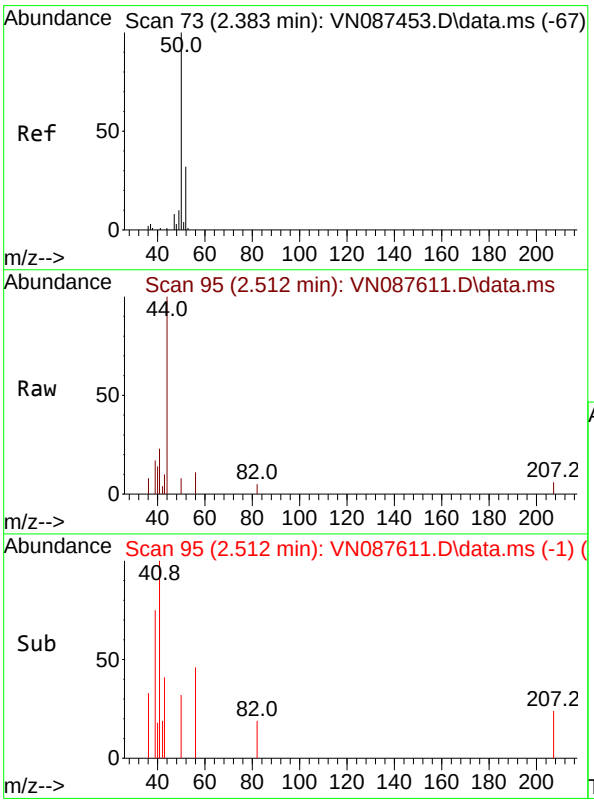
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.876 min Scan# 1(
Delta R.T. 0.076 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:128 Resp: 79

Ion	Ratio	Lower	Upper
128	100		
49	315.2	0.0	494.8
130	108.9	0.0	321.5

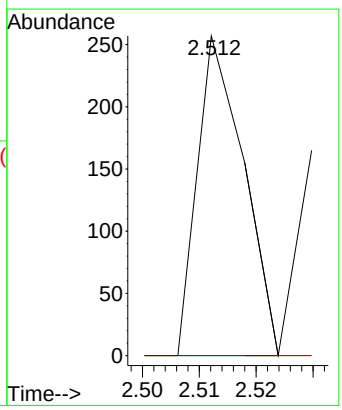


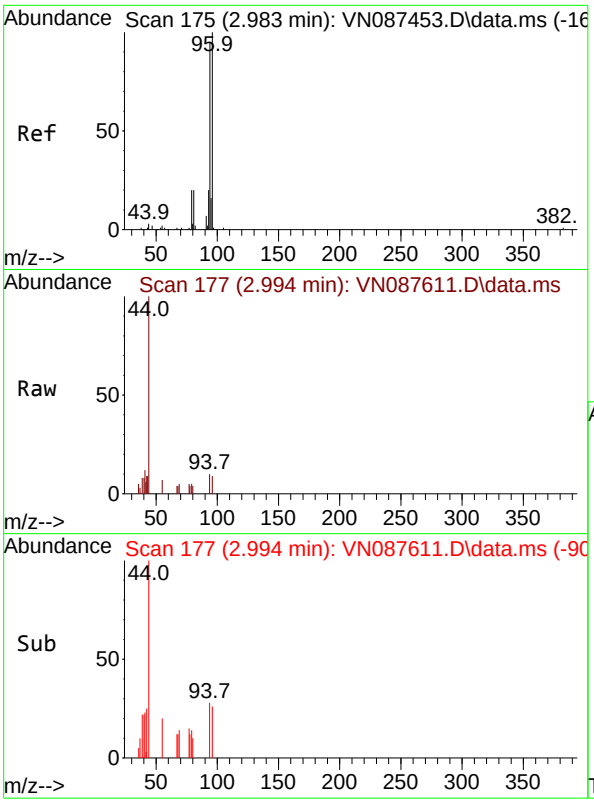


#3
Chloromethane
Concen: 27.400 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.129 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Tgt Ion: 50 Resp: 145

Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.8	38.6#



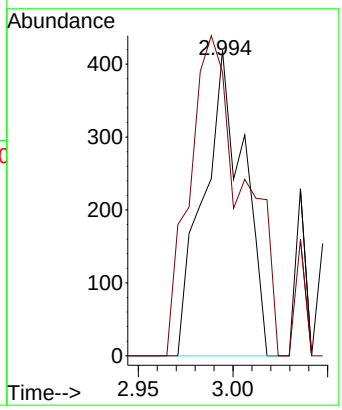


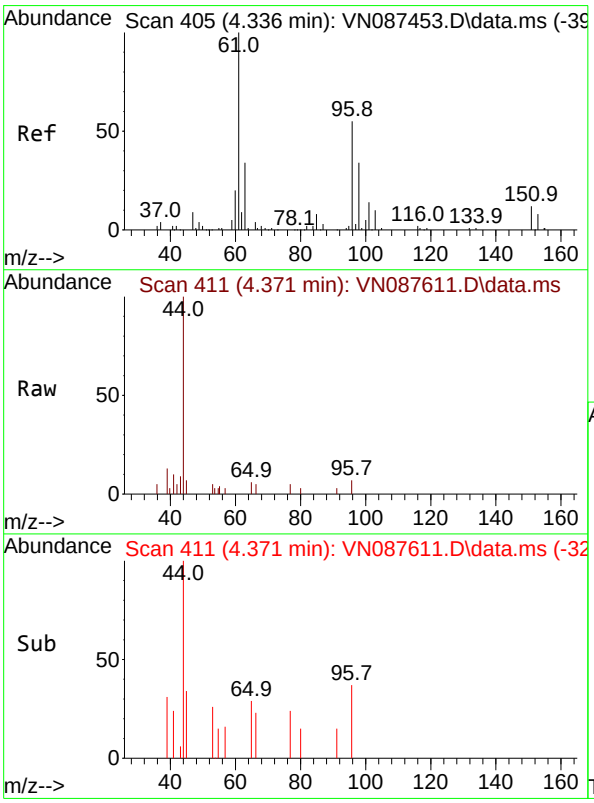
#5
Bromomethane
Concen: 202.433 ug/l
RT: 2.994 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 94 Resp: 615

Ion	Ratio	Lower	Upper
94	100		
96	92.8	84.2	126.4

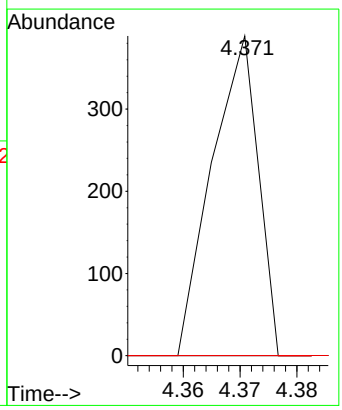


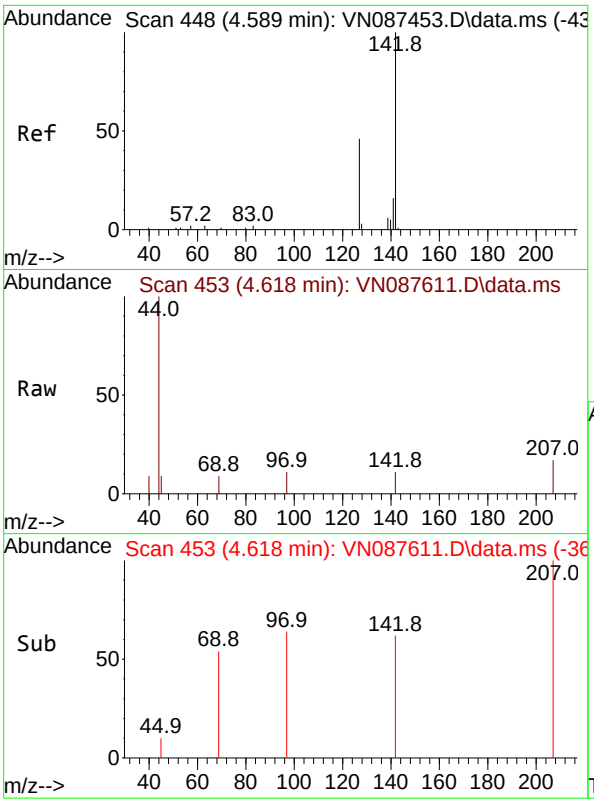


#10
1,1-Dichloroethene
Concen: 50.846 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.035 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Tgt Ion: 96 Resp: 220

Ion	Ratio	Lower	Upper
96	100		
61	0.0	144.2	216.4#
98	0.0	49.7	74.5#



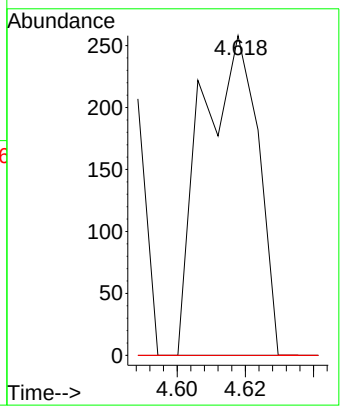


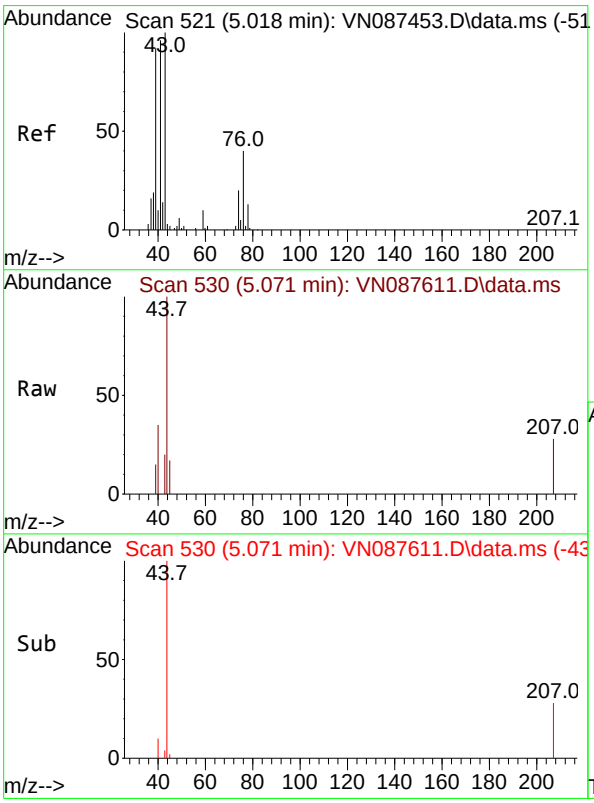
#11
Methyl Iodide
Concen: 86.884 ug/l
RT: 4.618 min Scan# 4
Delta R.T. 0.029 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:142 Resp: 296

Ion	Ratio	Lower	Upper
142	100		
127	0.0	22.9	68.7#
141	0.0	7.7	23.1#

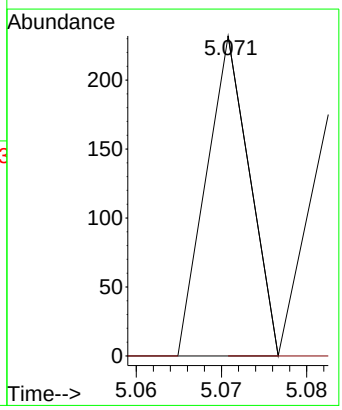


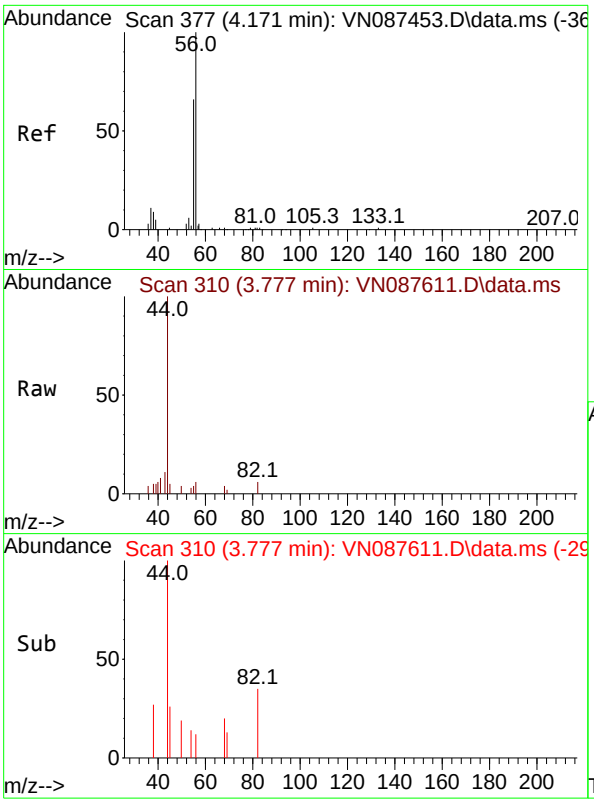


#12
Methyl Acetate
Concen: 10.270 ug/l
RT: 5.071 min Scan# 530
Delta R.T. 0.053 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Tgt Ion: 43 Resp: 82

Ion	Ratio	Lower	Upper
43	100		
74	0.0	16.0	24.0#



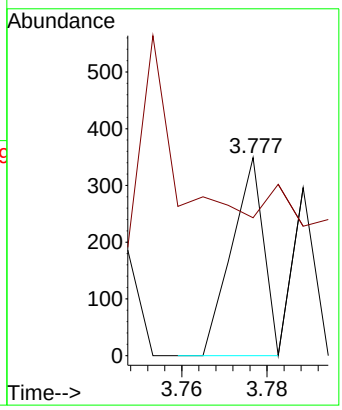


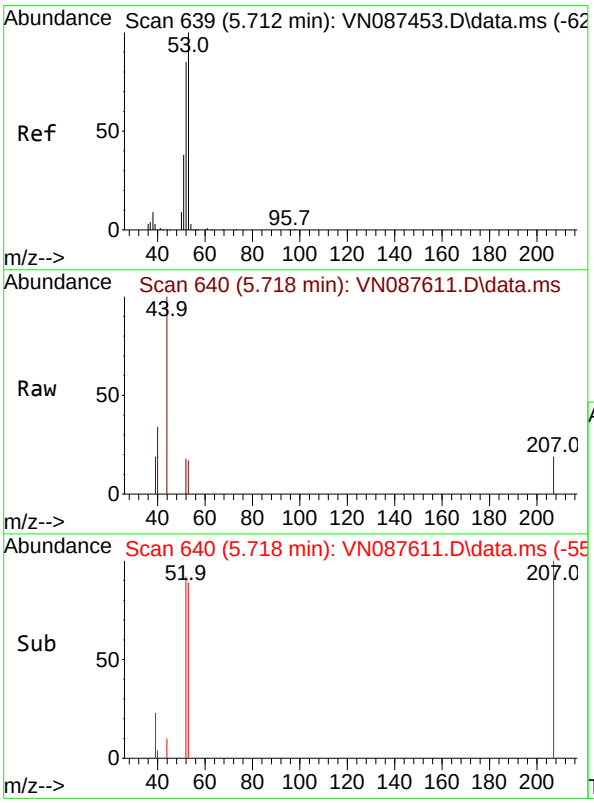
#13
Acrolein
Concen: 148.421 ug/l
RT: 3.777 min Scan# 3
Delta R.T. -0.394 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 56 Resp: 181

Ion	Ratio	Lower	Upper
56	100		
55	73.5	57.4	86.0

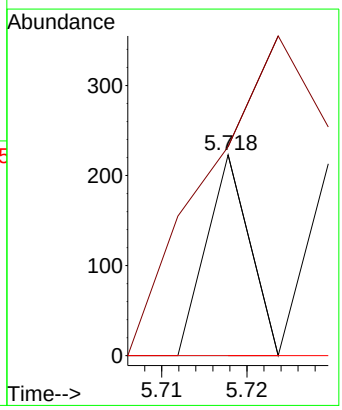


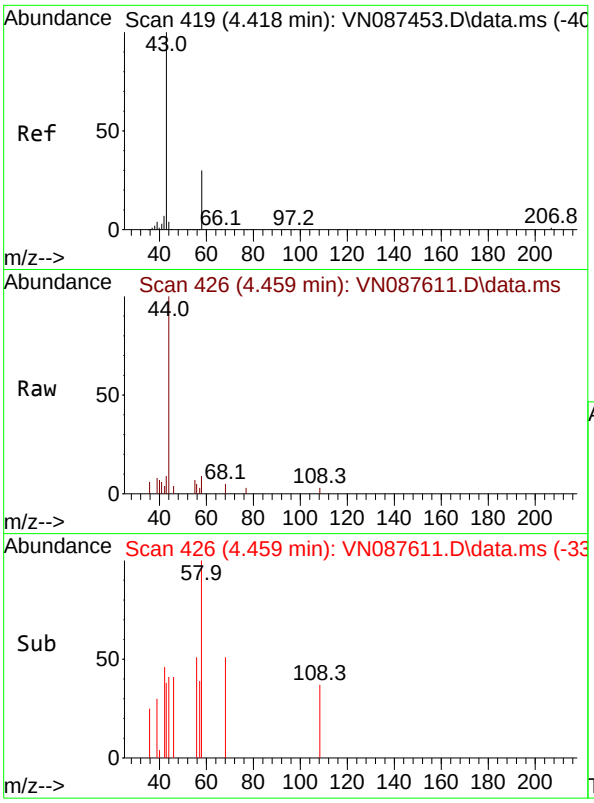


#14
Acrylonitrile
Concen: 22.658 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Tgt Ion: 53 Resp: 79

Ion	Ratio	Lower	Upper
53	100		
52	519.0	42.4	127.2#
51	0.0	18.5	55.5#



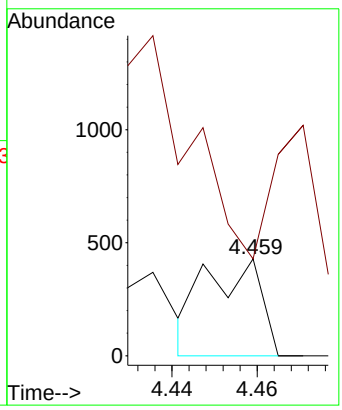


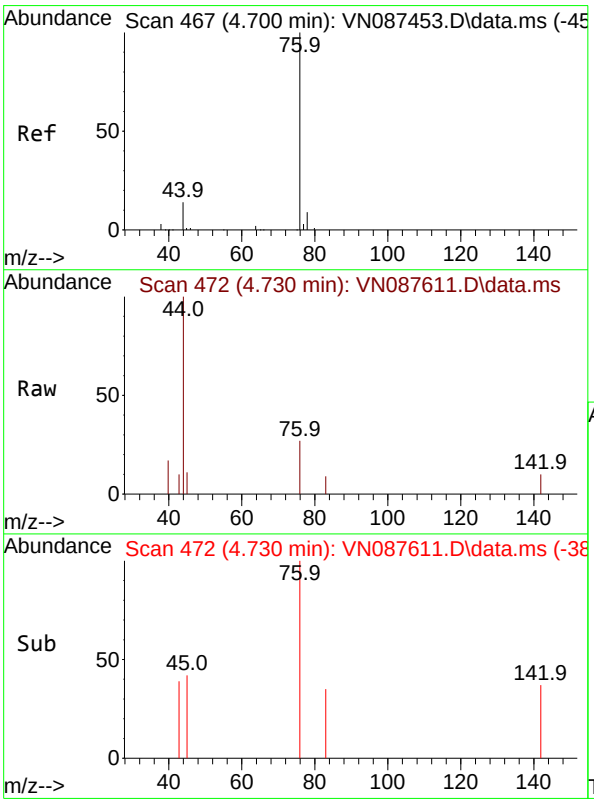
#15
Acetone
Concen: 386.470 ug/l
RT: 4.459 min Scan# 4
Delta R.T. 0.041 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 58 Resp: 385

Ion	Ratio	Lower	Upper
58	100		
43	0.0	268.9	403.3#

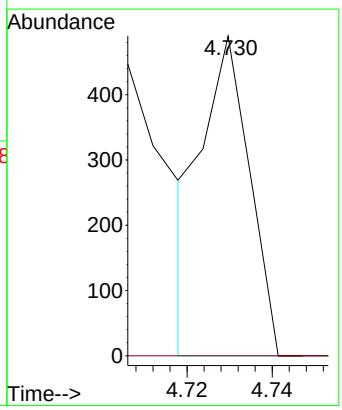


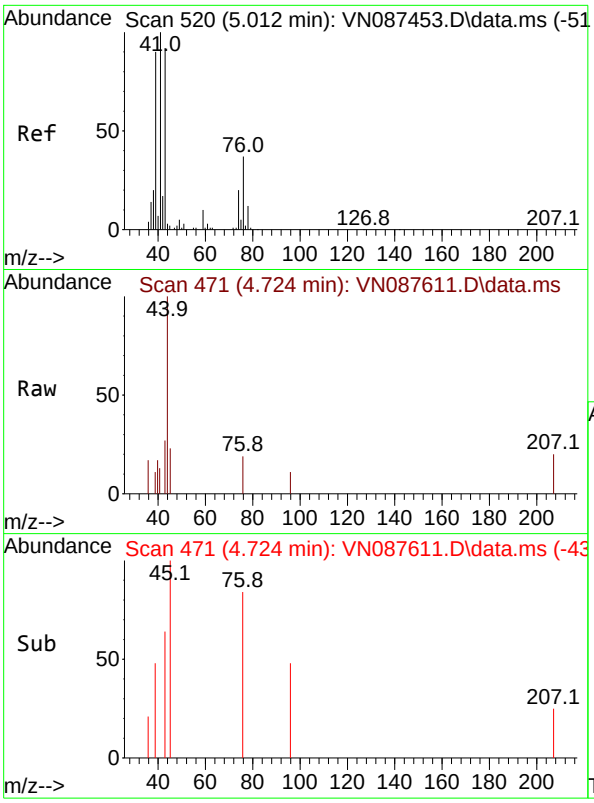


#16
Carbon Disulfide
Concen: 27.866 ug/l
RT: 4.730 min Scan# 472
Delta R.T. 0.029 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Tgt Ion: 76 Resp: 374

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.1	10.7#



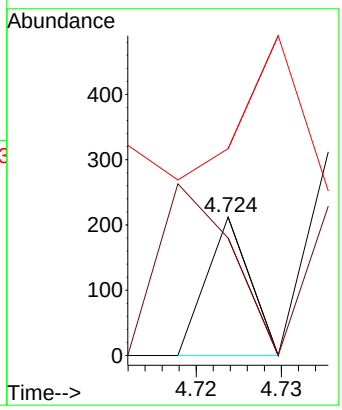


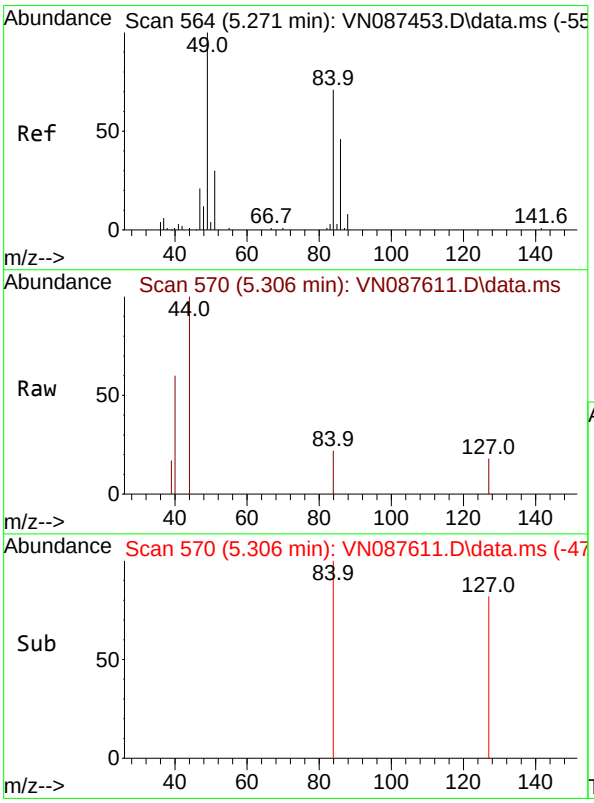
#17
Allyl chloride
Concen: 8.504 ug/l
RT: 4.724 min Scan# 4
Delta R.T. -0.288 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 41 Resp: 75

Ion	Ratio	Lower	Upper
41	100		
39	84.9	42.4	127.2
76	22.6	16.9	50.6

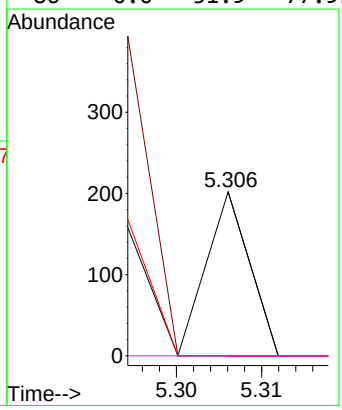


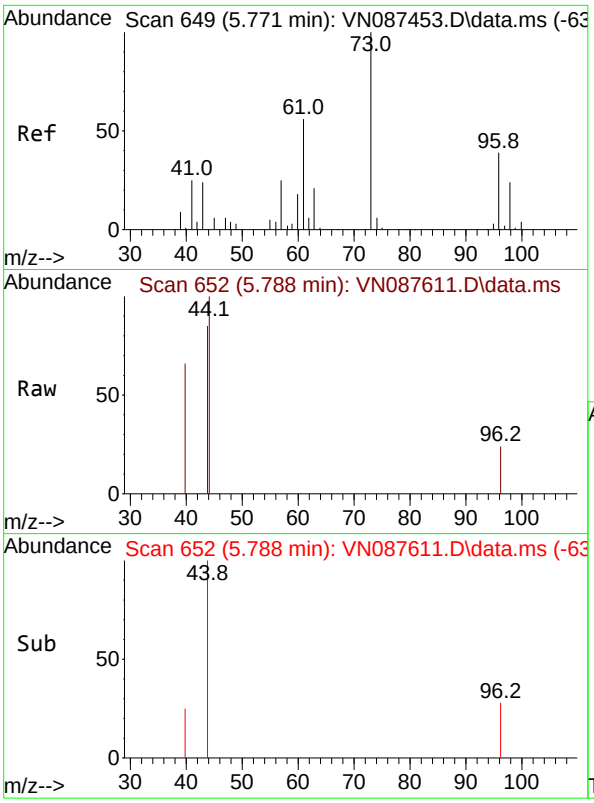


#18
Methylene Chloride
Concen: 12.747 ug/l
RT: 5.306 min Scan# 570
Delta R.T. 0.035 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Tgt Ion: 84 Resp: 71

Ion	Ratio	Lower	Upper
84	100		
49	0.0	112.9	169.3#
51	0.0	33.8	50.8#
86	0.0	51.9	77.9#



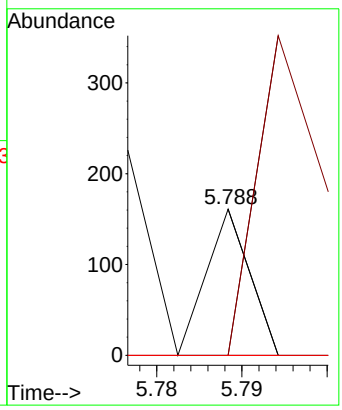


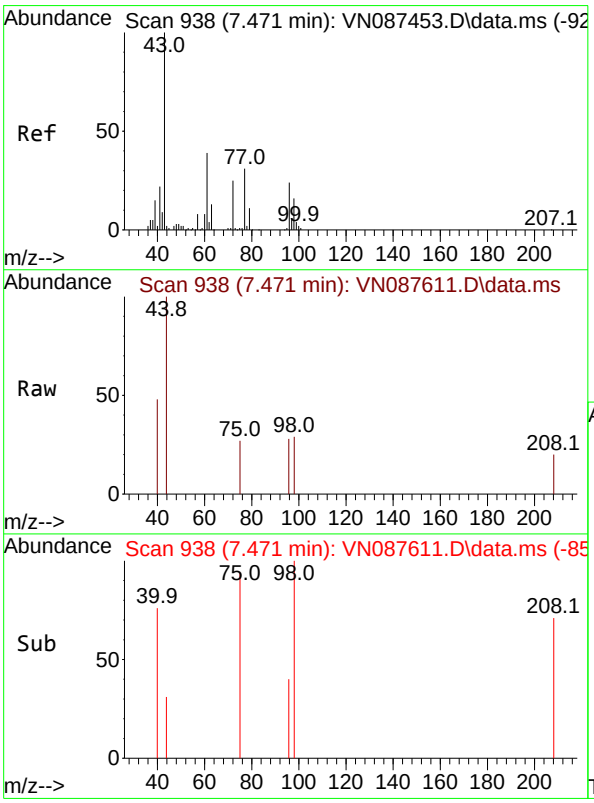
#19
trans-1,2-Dichloroethene
Concen: 11.078 ug/l
RT: 5.788 min Scan# 6
Delta R.T. 0.017 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 96 Resp: 57

Ion	Ratio	Lower	Upper
96	100		
61	0.0	114.2	171.4#
98	0.0	48.7	73.1#

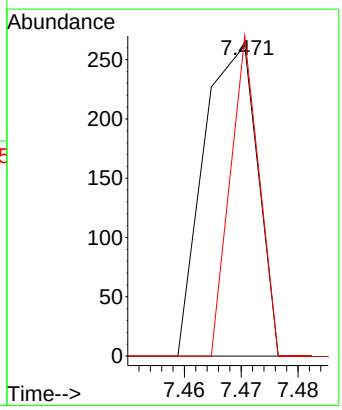


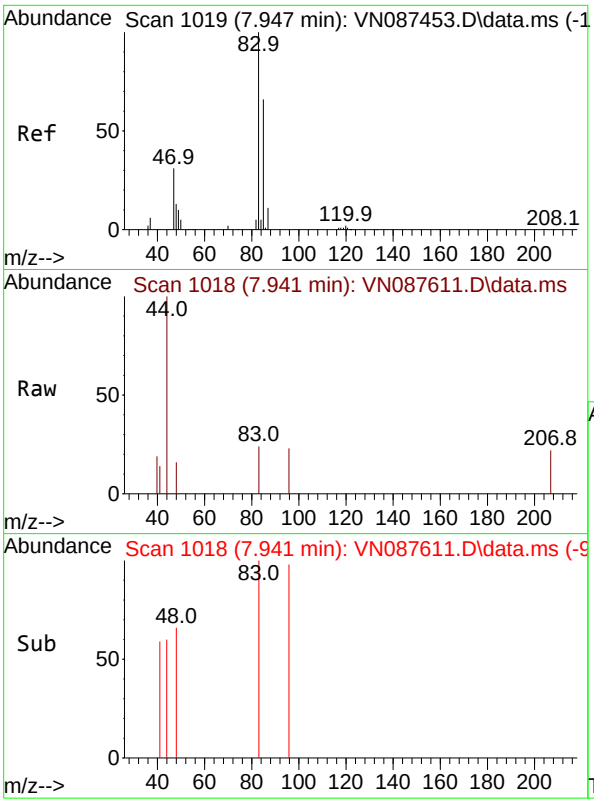


#22
cis-1,2-Dichloroethene
Concen: 27.326 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Tgt Ion: 96 Resp: 173

Ion	Ratio	Lower	Upper
96	100		
61	0.0	126.6	190.0#
98	0.0	50.9	76.3#



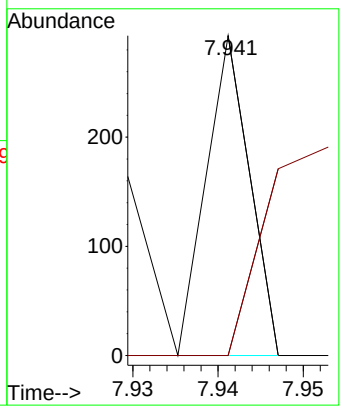


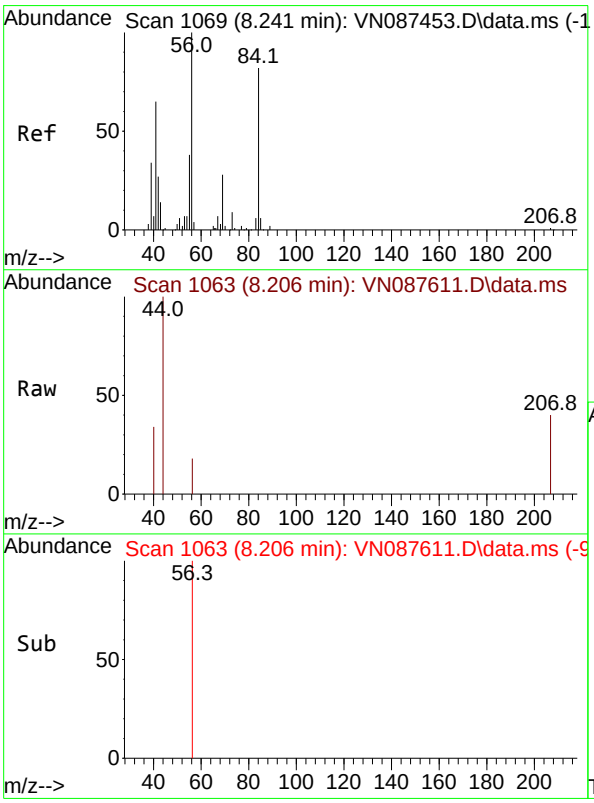
#25
Chloroform
Concen: 9.502 ug/l
RT: 7.941 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 83 Resp: 103

Ion	Ratio	Lower	Upper
83	100		
85	0.0	52.6	78.8#

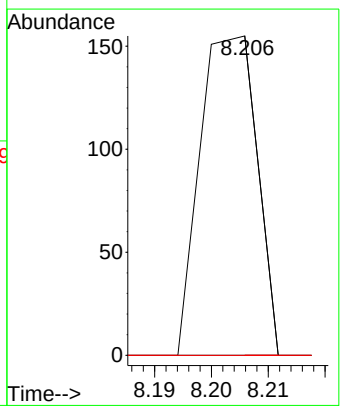


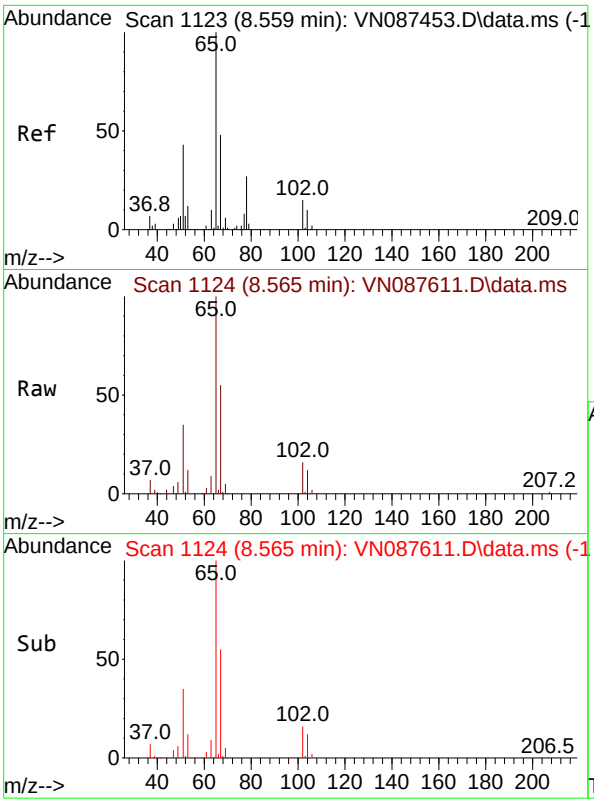


#26
Cyclohexane
Concen: 12.989 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.035 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Tgt Ion: 56 Resp: 108

Ion	Ratio	Lower	Upper
56	100		
89	0.0	2.3	3.5#
84	0.0	67.0	100.4#



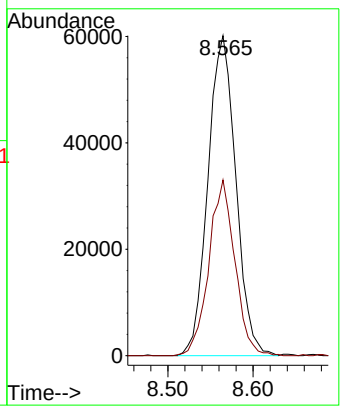


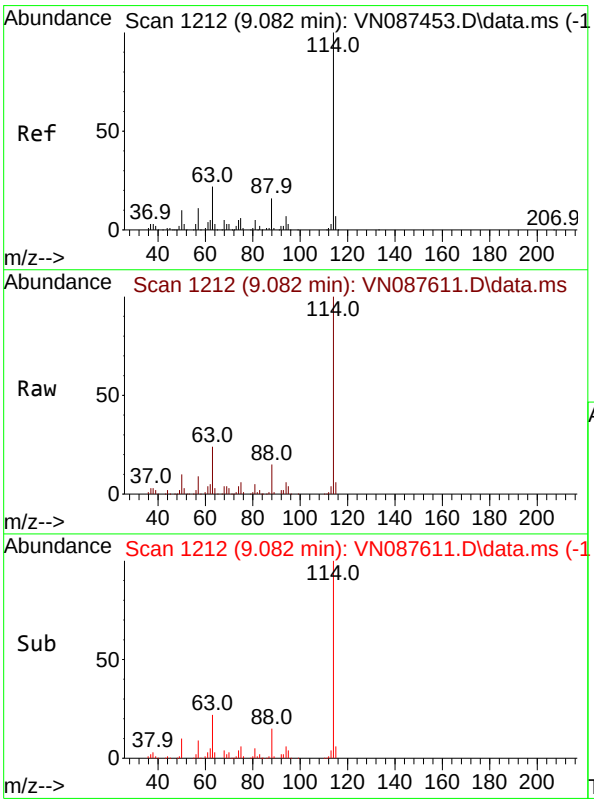
#27
1,2-Dichloroethane-d4
Concen: 18784.824 ug/l
RT: 8.565 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 65 Resp: 136877

Ion	Ratio	Lower	Upper
65	100		
67	51.2	40.8	61.2

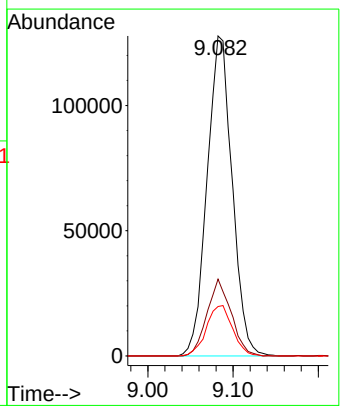


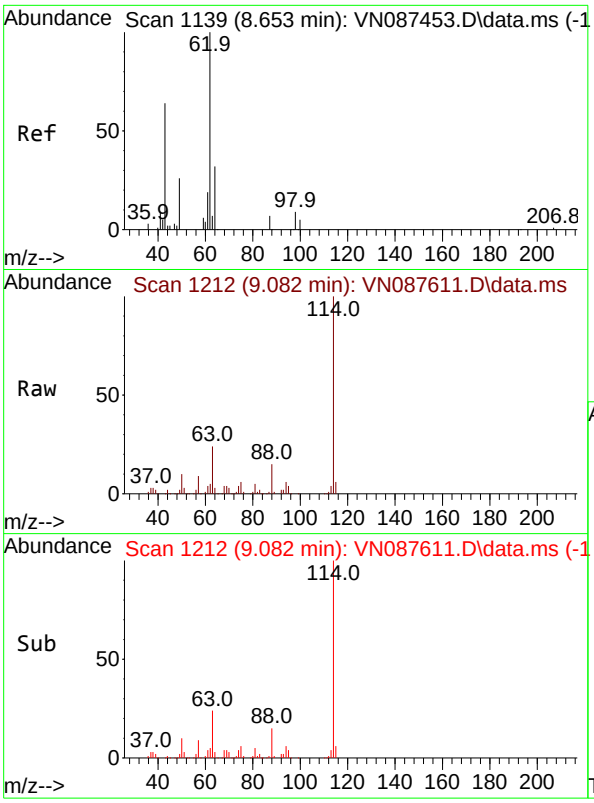


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Tgt Ion:114 Resp: 261067

Ion	Ratio	Lower	Upper
114	100		
63	23.1	18.9	28.3
88	16.5	13.1	19.7



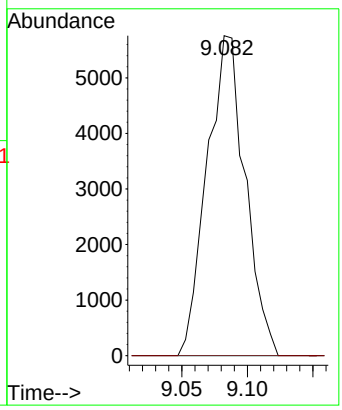


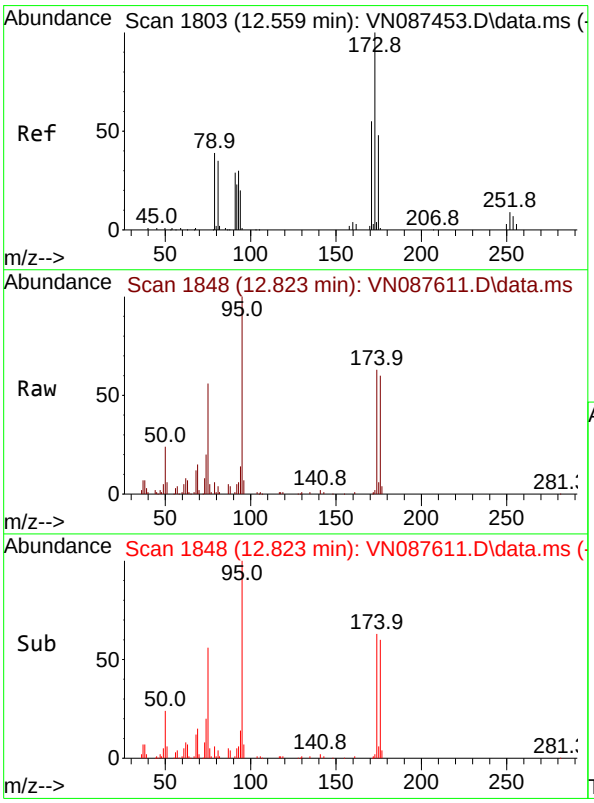
#36
1,2-Dichloroethane
Concen: 2.146 ug/l
RT: 9.082 min Scan# 1
Delta R.T. 0.429 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 62 Resp: 11656

Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.6	9.8#

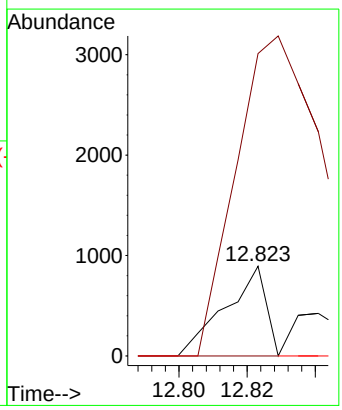


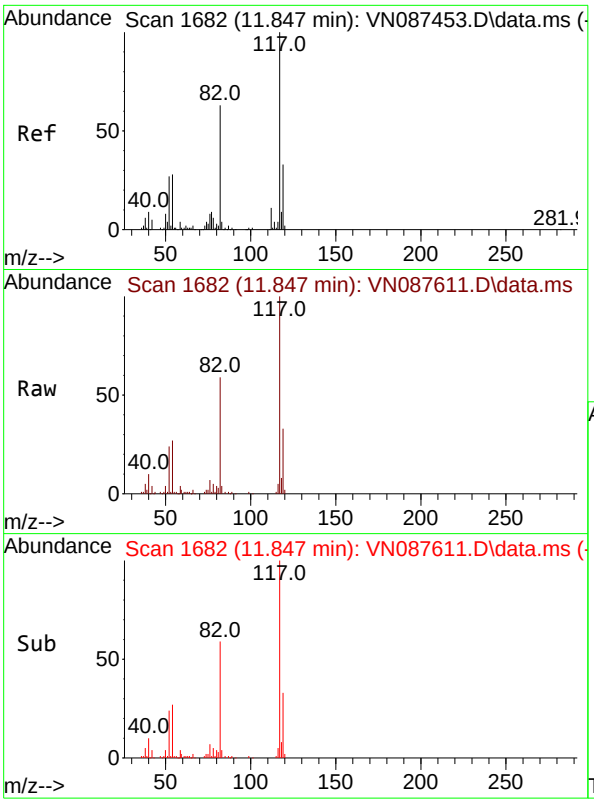


#56
Bromoform
Concen: 0.298 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.264 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Tgt Ion:173 Resp: 743

Ion	Ratio	Lower	Upper
173	100		
175	771.3	38.8	58.2#
254	0.0	3.9	5.9#



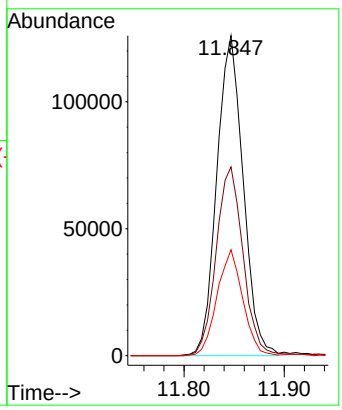


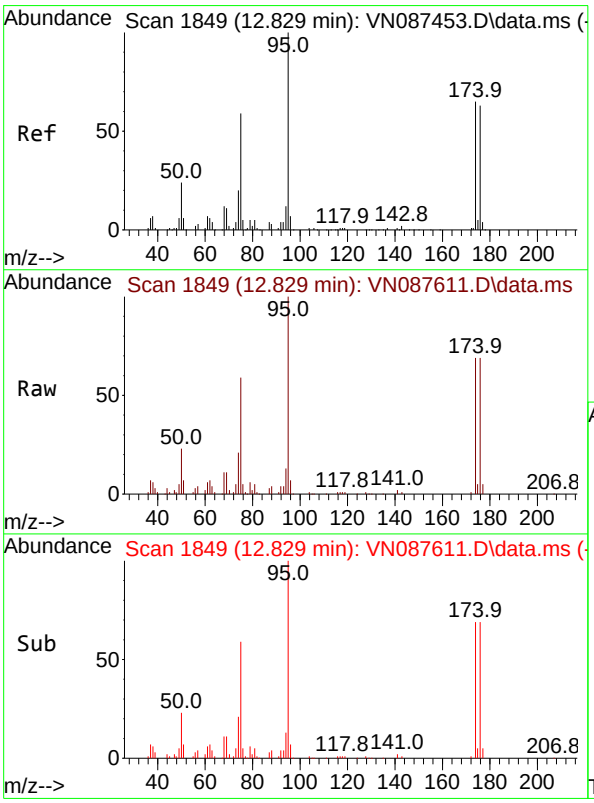
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 230020

Ion	Ratio	Lower	Upper
117	100		
82	60.4	49.2	73.8
119	32.2	25.7	38.5

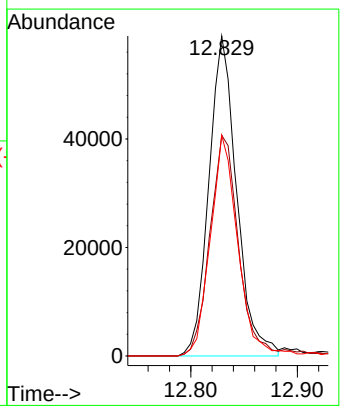


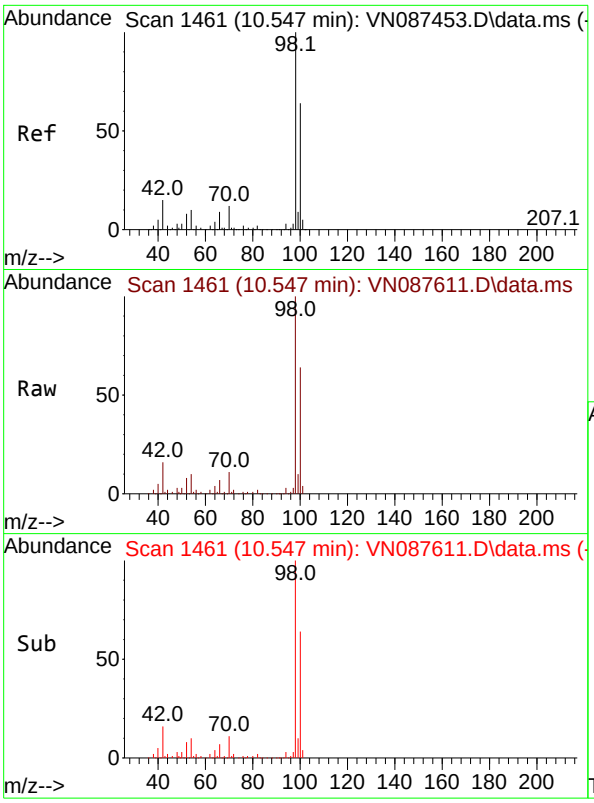


#60
4-Bromofluorobenzene
Concen: 26.948 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Tgt Ion: 95 Resp: 106673

Ion	Ratio	Lower	Upper
95	100		
174	70.6	52.3	78.5
176	68.1	49.8	74.8



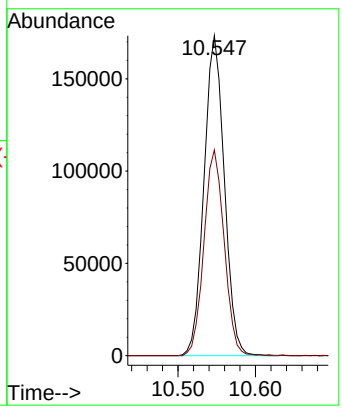


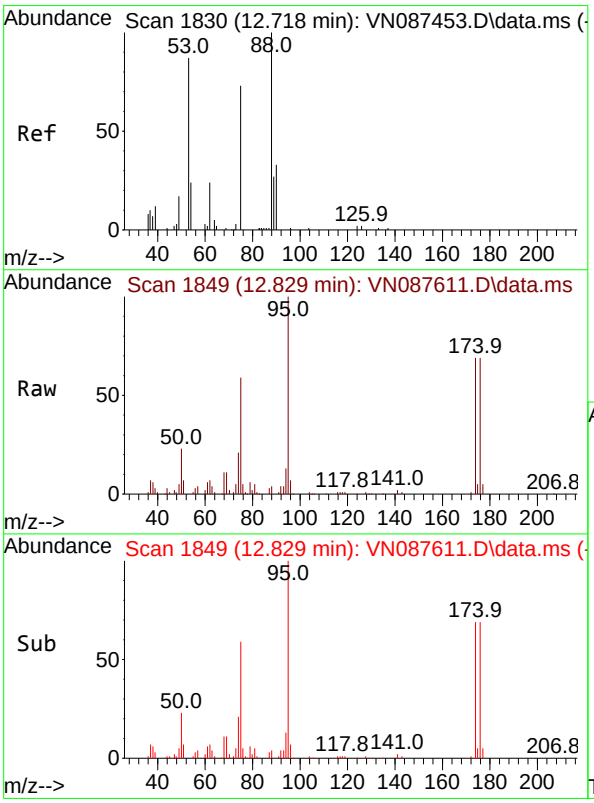
#63
Toluene-d8
Concen: 29.863 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 98 Resp: 316067

Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.5	75.7





#77
t-1,4-Dichloro-2-butene
Concen: 36.770 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087611.D
Acq: 20 Aug 2025 12:41

Tgt Ion: 75 Resp: 64499

Ion	Ratio	Lower	Upper
75	100		
53	0.0	59.0	176.8#
89	0.0	22.1	66.5#