Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111425\
Data File : VN088289.D
Acq On : 14 Nov 2025 12:15
Operator : JC\MD
Sample : Q3551-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MANHOLE

Quant Time: Nov 14 21:49:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	53480	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	279713	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	245018	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	138545	28.361	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 94.533%			
60) 4-Bromofluorobenzene	12.829	95	107636	25.987	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 86.633%			
63) Toluene-d8	10.547	98	340690	29.370	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.900%			
Target Compounds						Qvalue
13) Acrolein	4.195	56	473	0.678	ug/l #	80
15) Acetone	4.430	58	8772	13.914	ug/l	90
17) Allyl chloride	4.730	41	1202	0.210	ug/l	81
23) tert-Butyl Alcohol	5.512	59	303	0.382	ug/l #	100
25) Chloroform	7.953	83	23375	3.429	ug/l	97
36) 1,2-Dichloroethane	9.083	62	12223	2.251	ug/l #	76
38) Methylcyclohexane	9.871	83	13403	2.505	ug/l #	16
41) Bromodichloromethane	9.871	83	13403	2.575	ug/l #	99
50) 1,1,2-Trichloroethane	10.553	97	13298	4.159	ug/l #	1
53) Dibromochloromethane	11.335	129	4606	1.254	ug/l	92
58) 4-Methyl-2-Pentanone	10.459	43	11466	2.069	ug/l #	47
77) t-1,4-Dichloro-2-butene	12.823	75	61441	39.352	ug/l #	10

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

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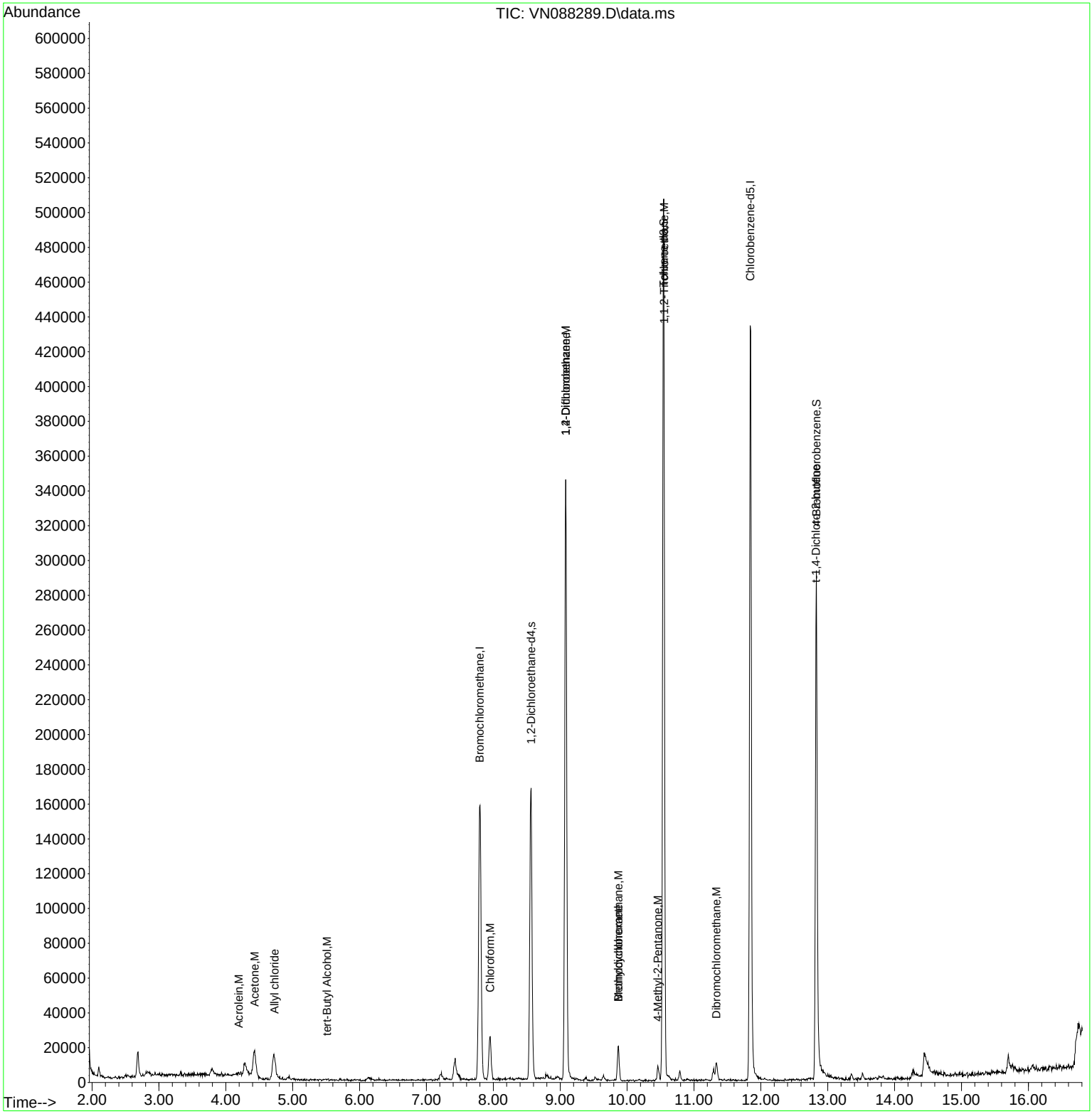
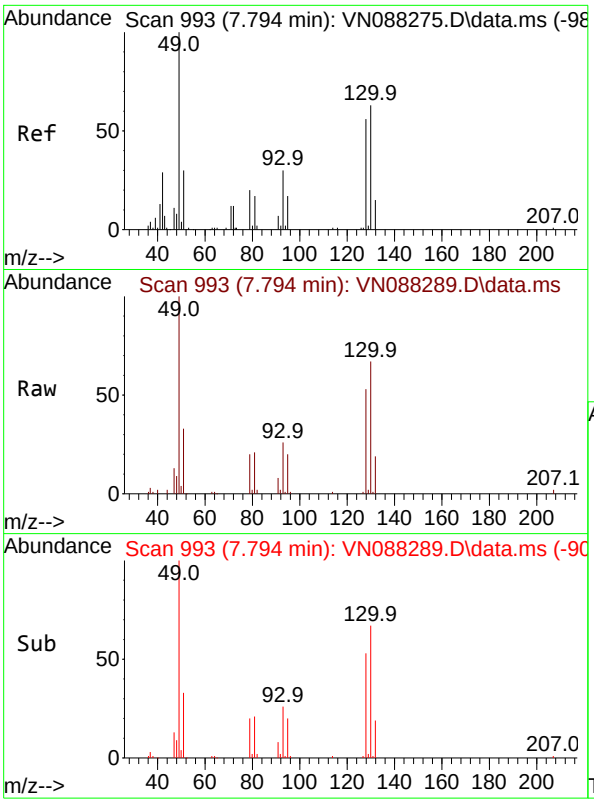
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration



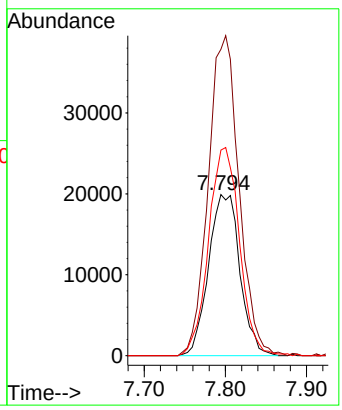


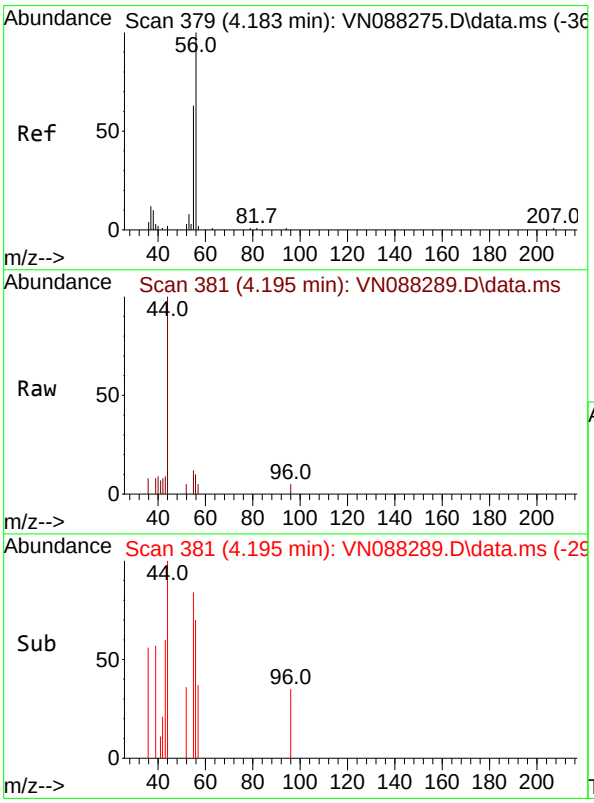
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

Instrument :
MSVOA_N
ClientSampleId :
MANHOLE

Tgt Ion:128 Resp: 53480

Ion	Ratio	Lower	Upper
128	100		
49	193.9	0.0	501.2
130	127.3	0.0	320.2

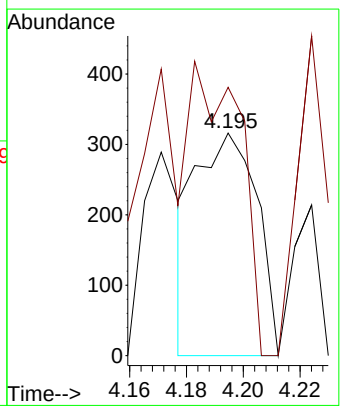


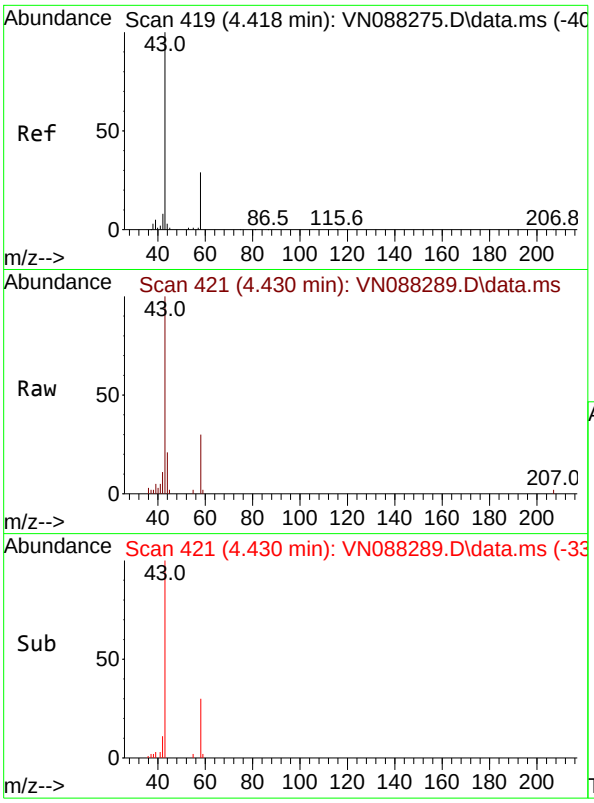


#13
Acrolein
Concen: 0.678 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.012 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

Tgt Ion: 56 Resp: 473

Ion	Ratio	Lower	Upper
56	100		
55	56.0	57.9	86.9#



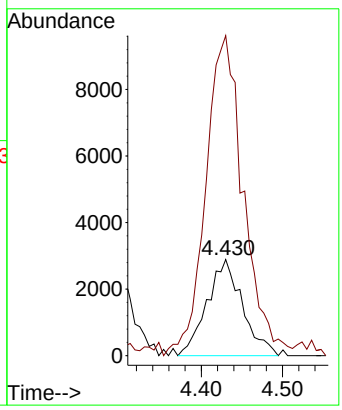


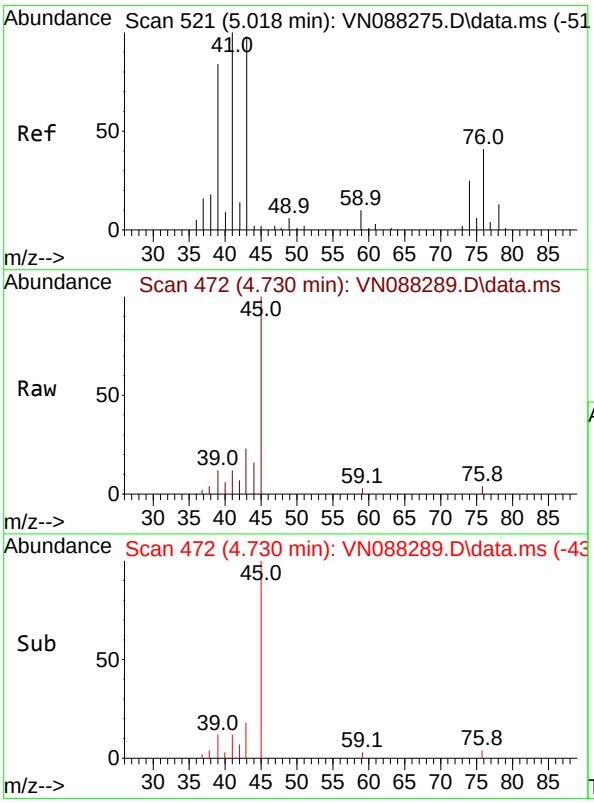
#15
Acetone
Concen: 13.914 ug/l
RT: 4.430 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

Instrument :
MSVOA_N
ClientSampleId :
MANHOLE

Tgt Ion: 58 Resp: 8772

Ion	Ratio	Lower	Upper
58	100		
43	321.2	273.9	410.9

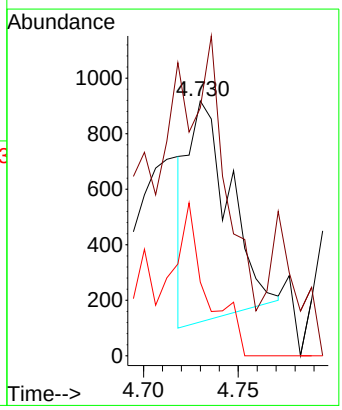


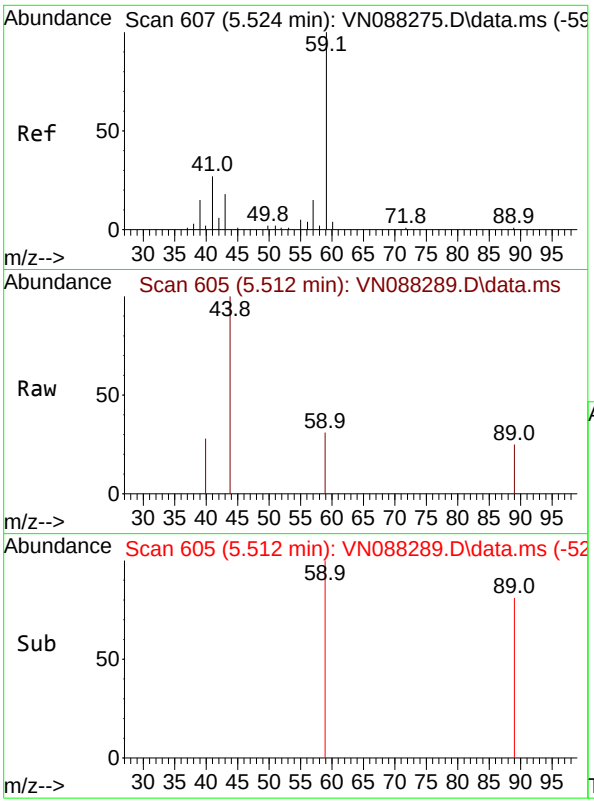


#17
Allyl chloride
Concen: 0.210 ug/l
RT: 4.730 min Scan# 472
Delta R.T. -0.288 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

Tgt Ion: 41 Resp: 1202

Ion	Ratio	Lower	Upper
41	100		
39	53.1	38.3	114.9
76	37.8	18.5	55.5



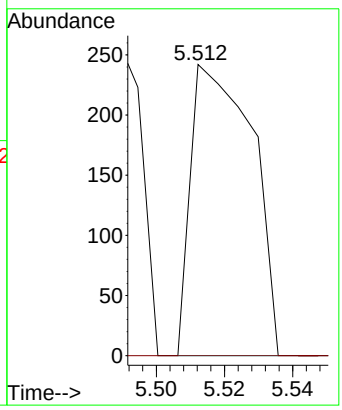


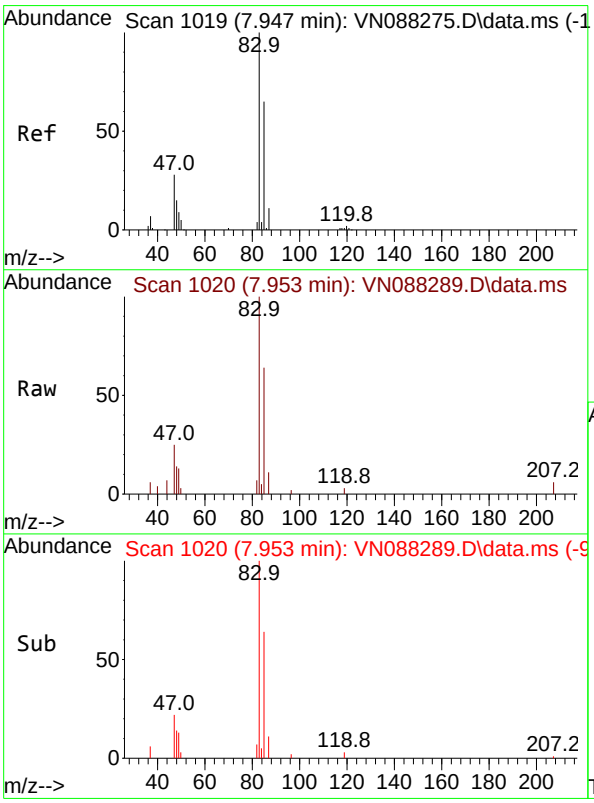
#23
tert-Butyl Alcohol
Concen: 0.382 ug/l
RT: 5.512 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

Instrument :
MSVOA_N
ClientSampleId :
MANHOLE

Tgt Ion: 59 Resp: 303

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

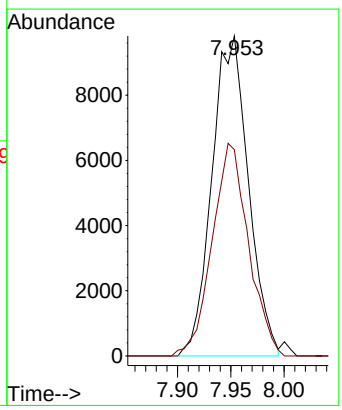


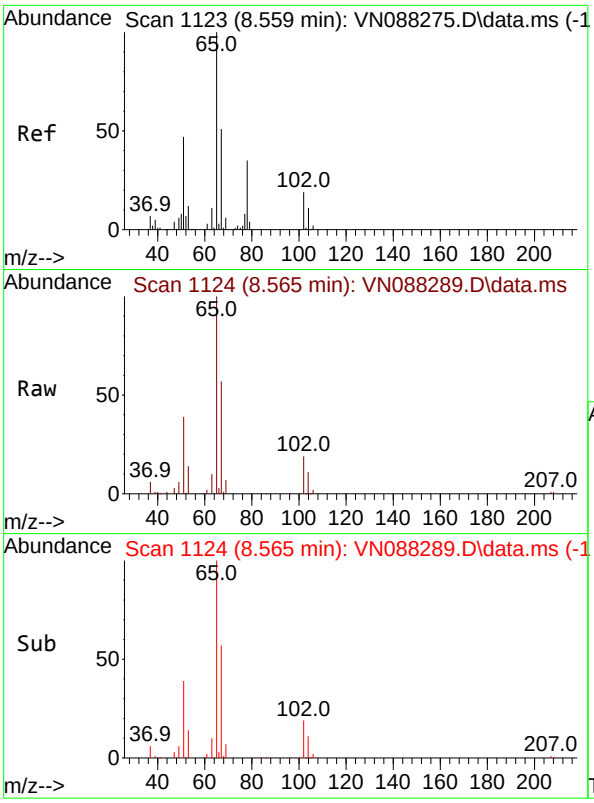


#25
Chloroform
Concen: 3.429 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

Tgt Ion: 83 Resp: 23375

Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.2	78.4



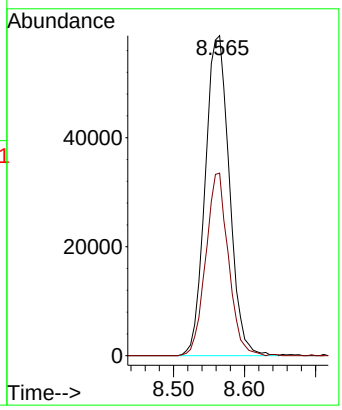


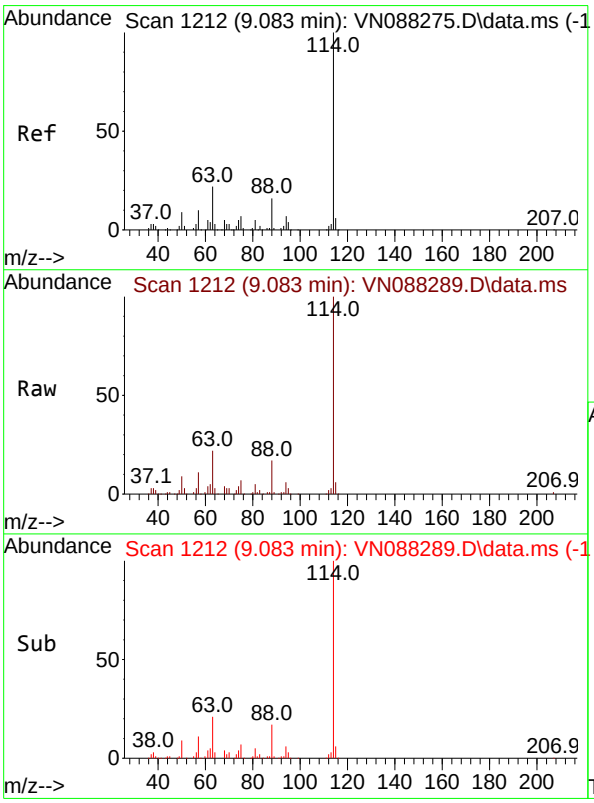
#27
1,2-Dichloroethane-d4
Concen: 28.361 ug/l
RT: 8.565 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

Instrument :
MSVOA_N
ClientSampleId :
MANHOLE

Tgt Ion: 65 Resp: 138545

Ion	Ratio	Lower	Upper
65	100		
67	53.6	40.2	60.2

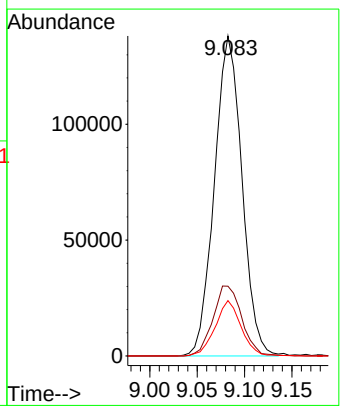


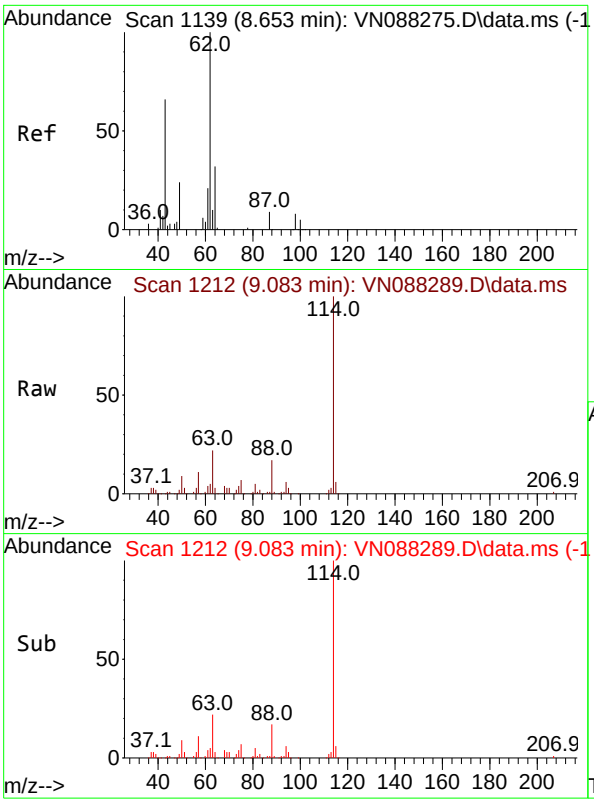


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

Tgt Ion:114 Resp: 279713

Ion	Ratio	Lower	Upper
114	100		
63	22.9	18.9	28.3
88	16.3	12.8	19.2



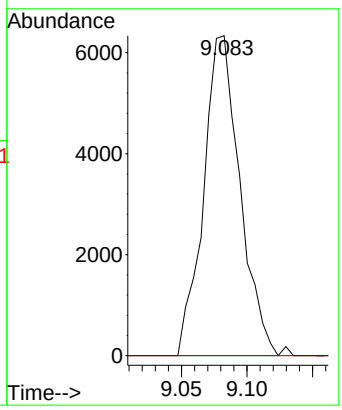


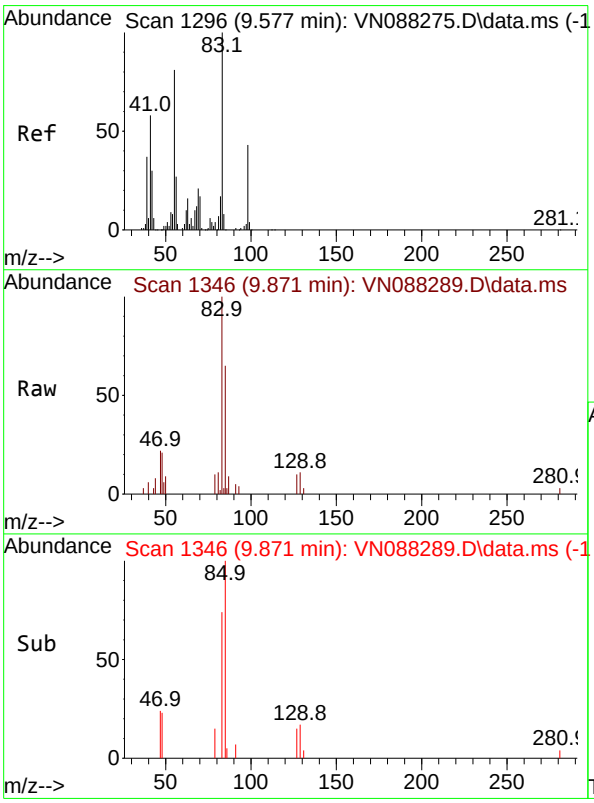
#36
1,2-Dichloroethane
Concen: 2.251 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.429 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

Instrument :
MSVOA_N
ClientSampleId :
MANHOLE

Tgt Ion: 62 Resp: 12223

Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.8	10.2#

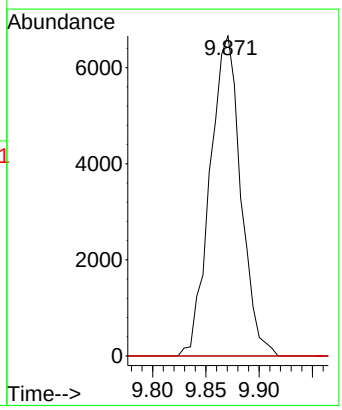


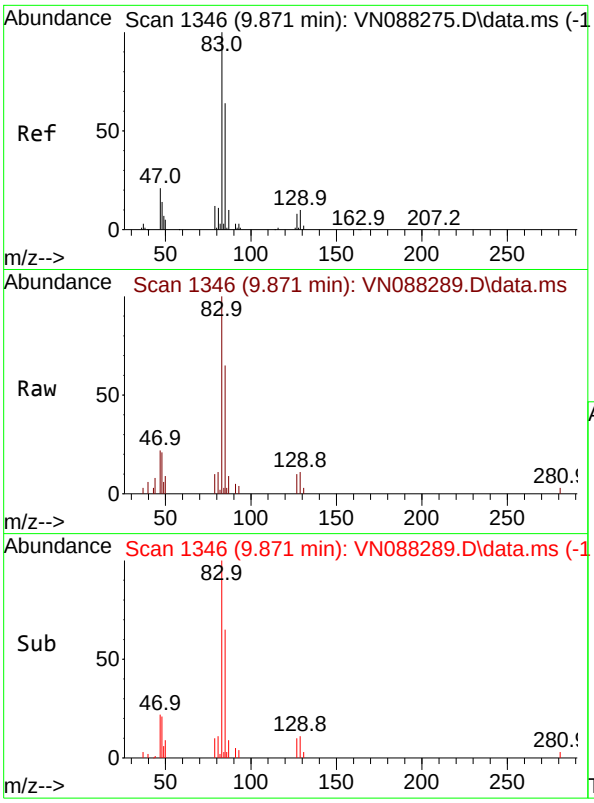


#38
Methylcyclohexane
Concen: 2.505 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. 0.294 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

Tgt Ion: 83 Resp: 13403

Ion	Ratio	Lower	Upper
83	100		
55	0.0	40.8	122.5#
98	0.0	23.4	70.3#



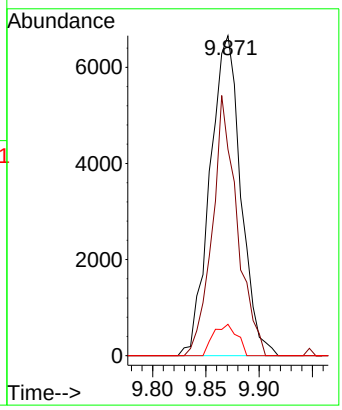


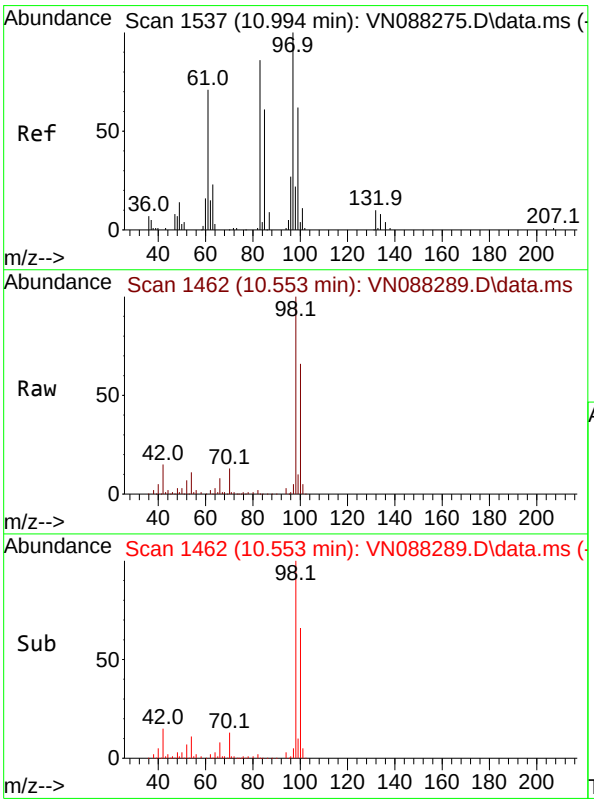
#41
Bromodichloromethane
Concen: 2.575 ug/l
RT: 9.871 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

Instrument :
MSVOA_N
ClientSampleId :
MANHOLE

Tgt Ion: 83 Resp: 13403

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.2
127	9.8	6.4	9.6#

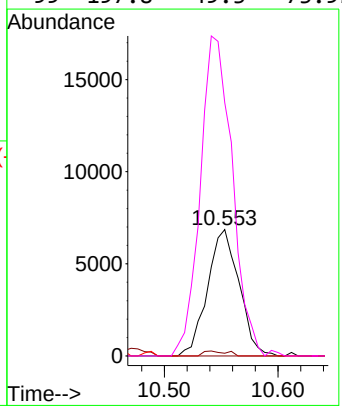


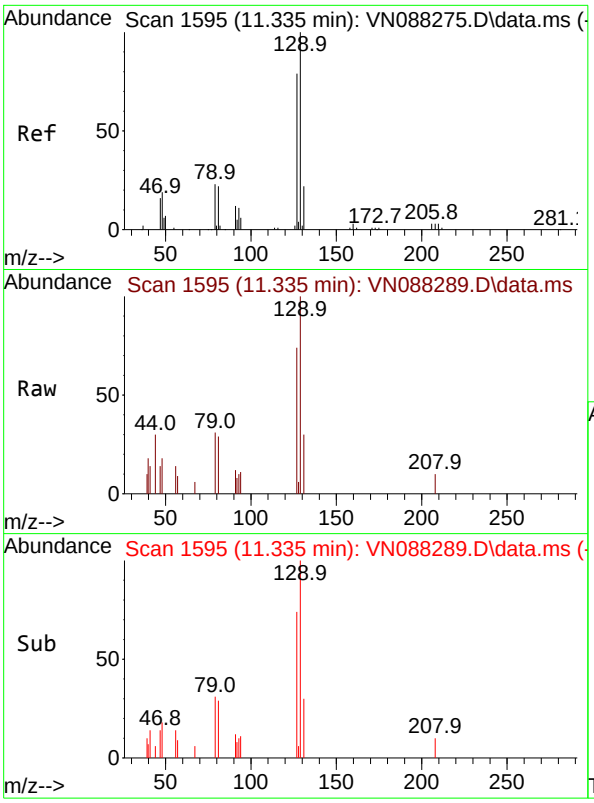


#50
1,1,2-Trichloroethane
Concen: 4.159 ug/l
RT: 10.553 min Scan# 1462
Delta R.T. -0.441 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

Tgt Ion: 97 Resp: 13298

Ion	Ratio	Lower	Upper
97	100		
83	2.2	68.6	102.8#
85	0.0	49.0	73.6#
99	197.8	49.3	73.9#



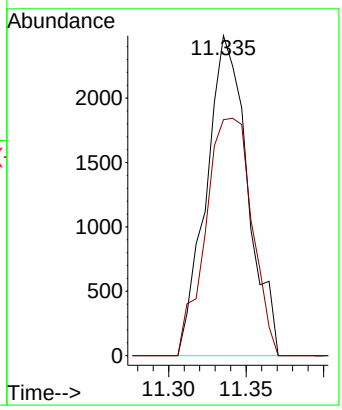


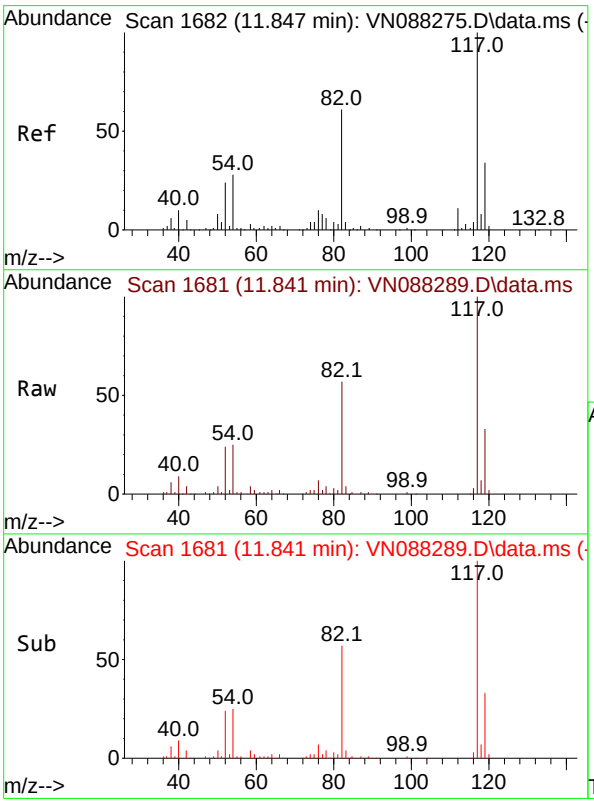
#53
Dibromochloromethane
Concen: 1.254 ug/l
RT: 11.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

Instrument :
MSVOA_N
ClientSampleId :
MANHOLE

Tgt Ion:129 Resp: 4606

Ion	Ratio	Lower	Upper
129	100		
127	83.1	38.2	114.6

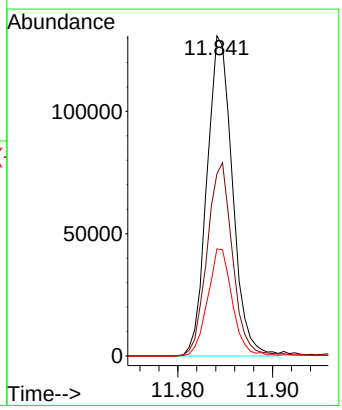


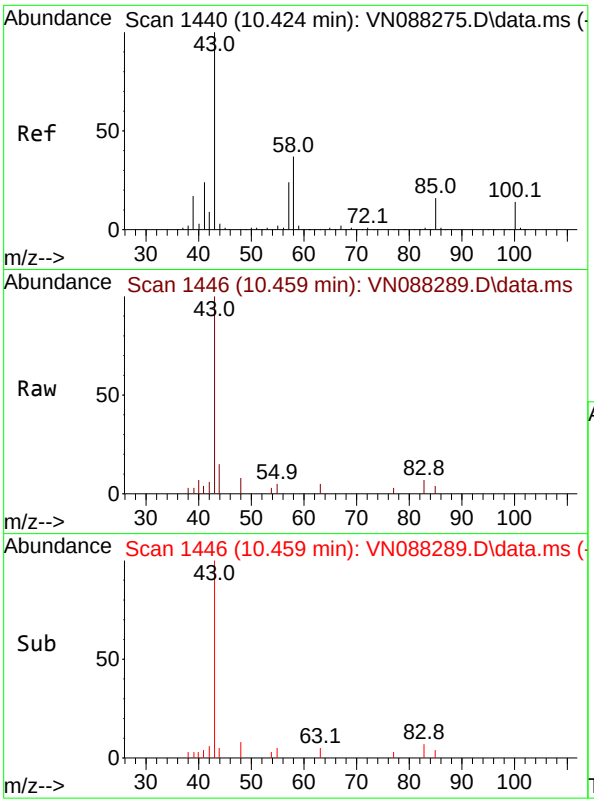


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

Tgt Ion:117 Resp: 245018

Ion	Ratio	Lower	Upper
117	100		
82	59.9	49.3	73.9
119	32.3	26.4	39.6



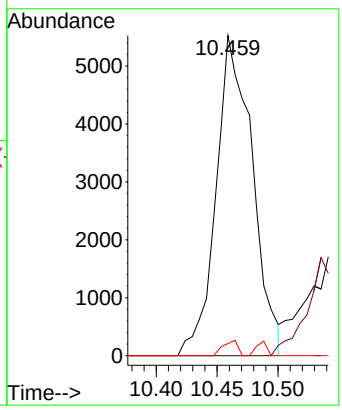


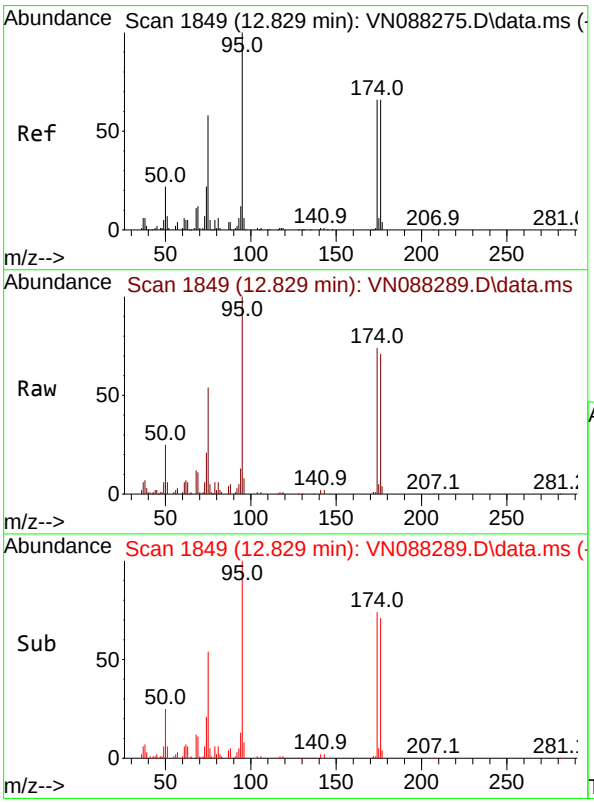
#58
4-Methyl-2-Pentanone
Concen: 2.069 ug/l
RT: 10.459 min Scan# 14
Delta R.T. 0.035 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

Instrument :
MSVOA_N
ClientSampleId :
MANHOLE

Tgt Ion: 43 Resp: 11466

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.2	43.8#
85	1.9	12.6	19.0#

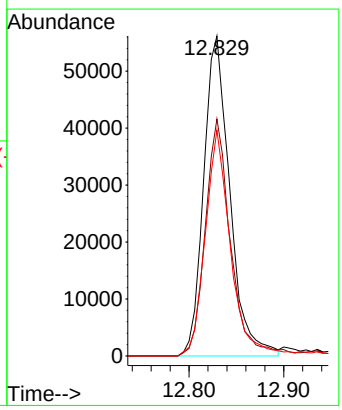


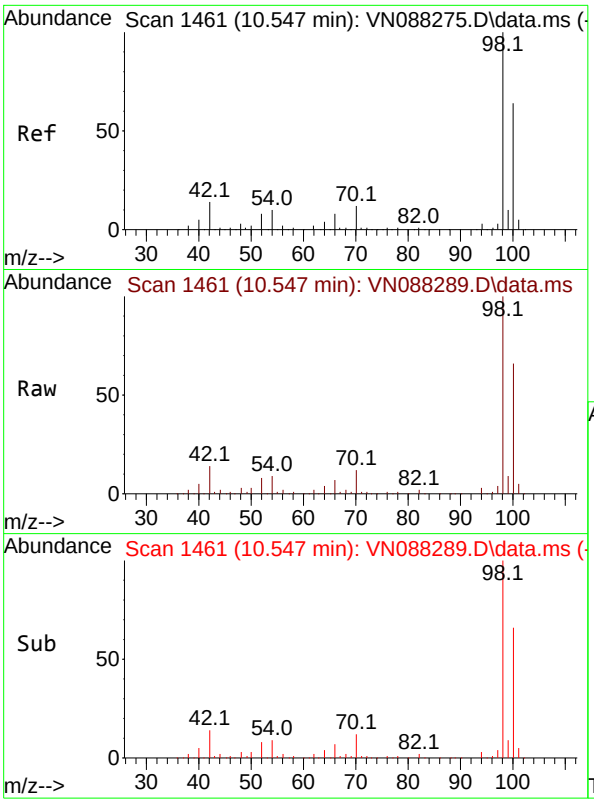


#60
4-Bromofluorobenzene
Concen: 25.987 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

Tgt Ion: 95 Resp: 107636

Ion	Ratio	Lower	Upper
95	100		
174	70.8	54.5	81.7
176	68.0	53.8	80.6



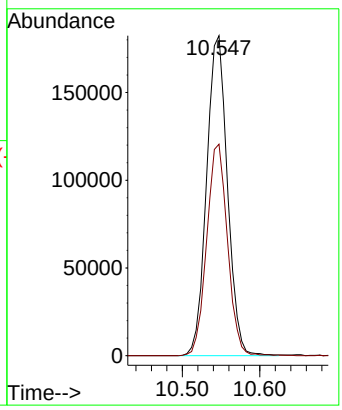


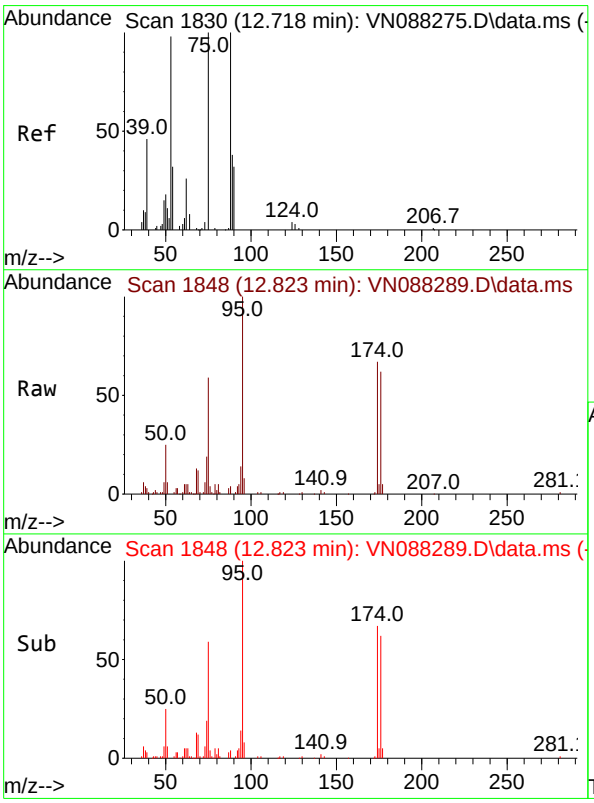
#63
Toluene-d8
Concen: 29.370 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

Instrument :
MSVOA_N
ClientSampleId :
MANHOLE

Tgt Ion: 98 Resp: 340690

Ion	Ratio	Lower	Upper
98	100		
100	65.8	51.6	77.4





#77
t-1,4-Dichloro-2-butene
Concen: 39.352 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.106 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

Tgt Ion: 75 Resp: 61441

Ion	Ratio	Lower	Upper
75	100		
53	0.0	50.0	150.0#
89	0.0	22.3	66.9#