Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112025\
Data File : VN088328.D
Acq On : 20 Nov 2025 13:46
Operator : JC\MD
Sample : IBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 21 03:01:59 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

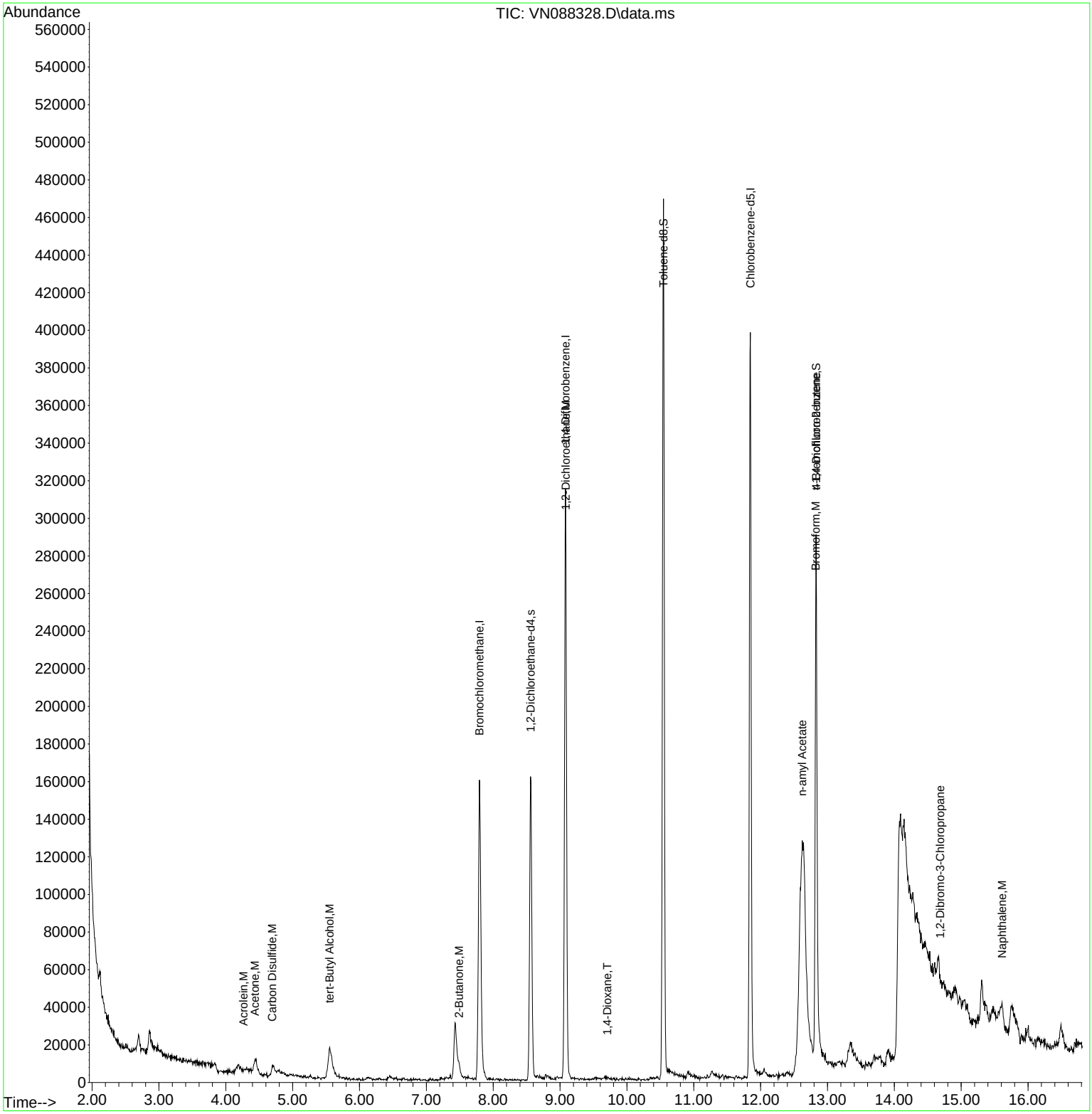
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.794	128	53000	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.082	114	249512	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	225012	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.559	65	133828	27.643	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 92.133%				
60) 4-Bromofluorobenzene	12.829	95	102873	27.045	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 90.167%				
63) Toluene-d8	10.547	98	314413	29.514	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.367%				
Target Compounds							Qvalue
13) Acrolein	4.265	56	286	0.413	ug/l		97
15) Acetone	4.436	58	2641	4.227	ug/l		96
16) Carbon Disulfide	4.694	76	16088	1.637	ug/l	#	93
23) tert-Butyl Alcohol	5.553	59	30499	38.823	ug/l	#	100
30) 2-Butanone	7.488	43	11824	4.391	ug/l	#	58
36) 1,2-Dichloroethane	9.088	62	10743	2.218	ug/l	#	76
45) 1,4-Dioxane	9.706	88	163	3.241	ug/l	#	1
47) n-amyl Acetate	12.623	43	1247	0.295	ug/l	#	100
56) Bromoform	12.823	173	656	0.316	ug/l	#	1
77) t-1,4-Dichloro-2-butene	12.829	75	58319	40.673	ug/l	#	10
88) 1,2-Dibromo-3-Chloropr...	14.688	75	326	0.322	ug/l	#	10
91) Naphthalene	15.611	128	7103	0.635	ug/l	#	85

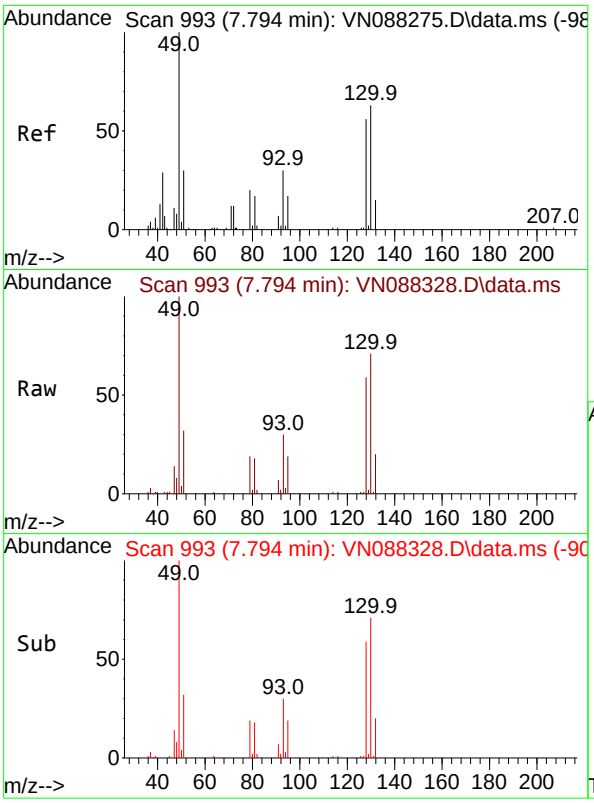
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112025\
Data File : VN088328.D
Acq On : 20 Nov 2025 13:46
Operator : JC\MD
Sample : IBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 21 03:01:59 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



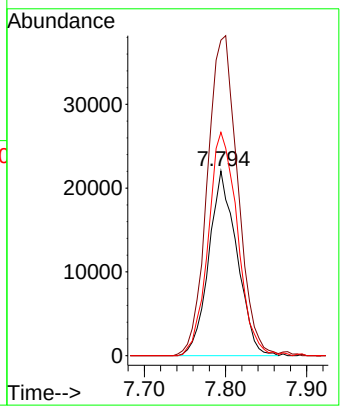


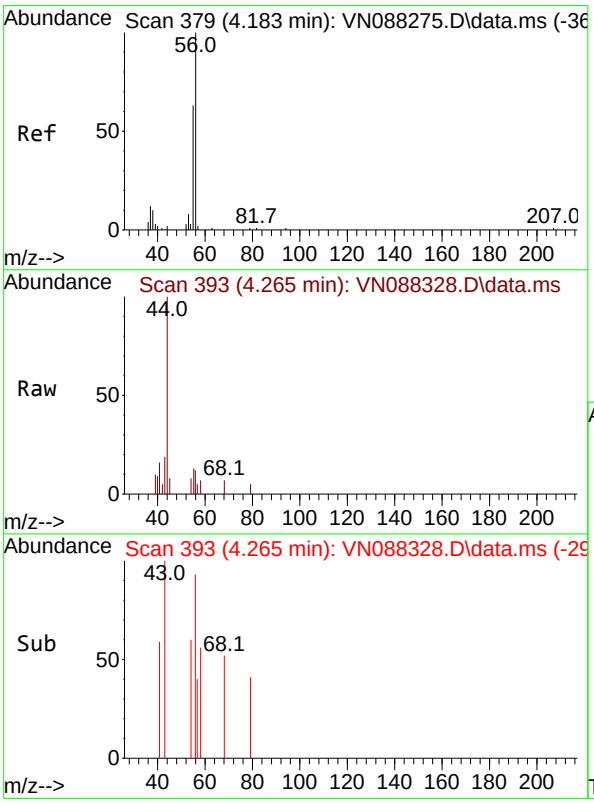
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN088328.D
Acq: 20 Nov 2025 13:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 53000

Ion	Ratio	Lower	Upper
128	100		
49	187.3	0.0	501.2
130	126.0	0.0	320.2

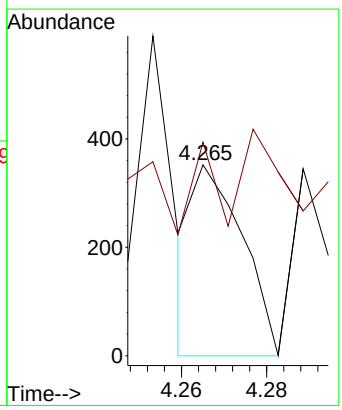


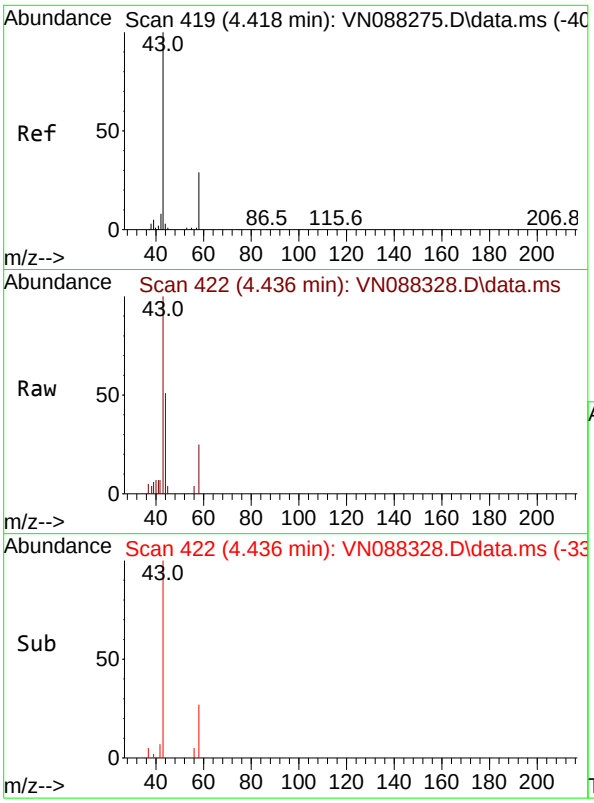


#13
Acrolein
Concen: 0.413 ug/l
RT: 4.265 min Scan# 393
Delta R.T. 0.082 min
Lab File: VN088328.D
Acq: 20 Nov 2025 13:46

Tgt Ion: 56 Resp: 286

Ion	Ratio	Lower	Upper
56	100		
55	74.8	57.9	86.9



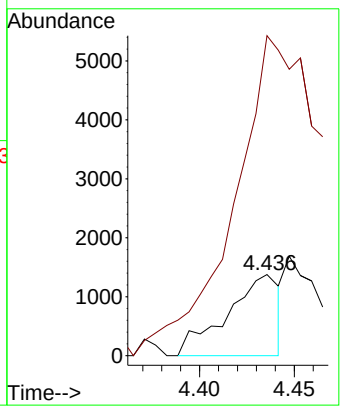


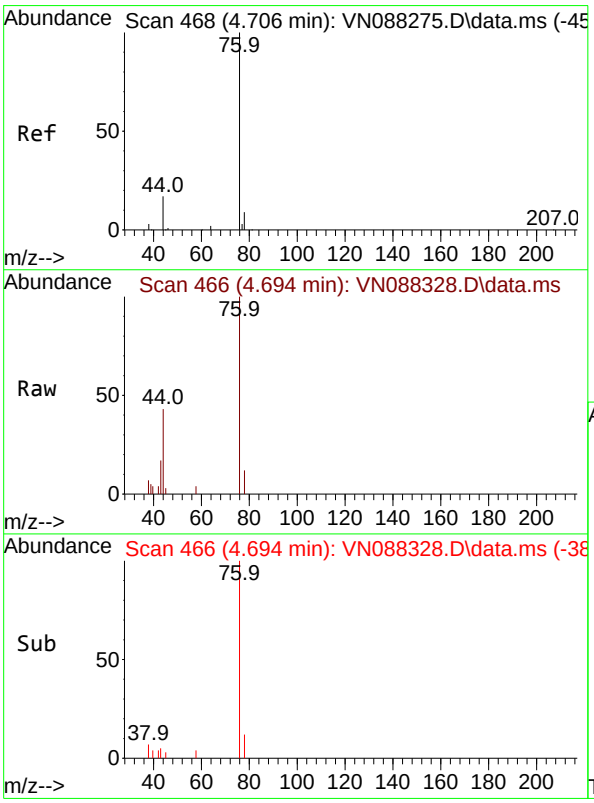
#15
Acetone
Concen: 4.227 ug/l
RT: 4.436 min Scan# 4
Delta R.T. 0.017 min
Lab File: VN088328.D
Acq: 20 Nov 2025 13:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 58 Resp: 2641

Ion	Ratio	Lower	Upper
58	100		
43	350.7	273.9	410.9

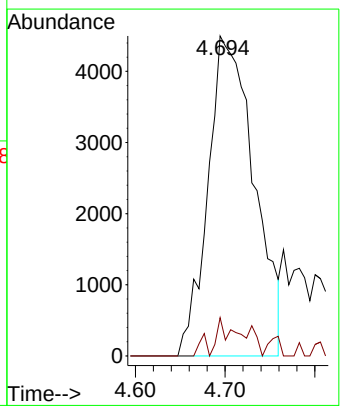


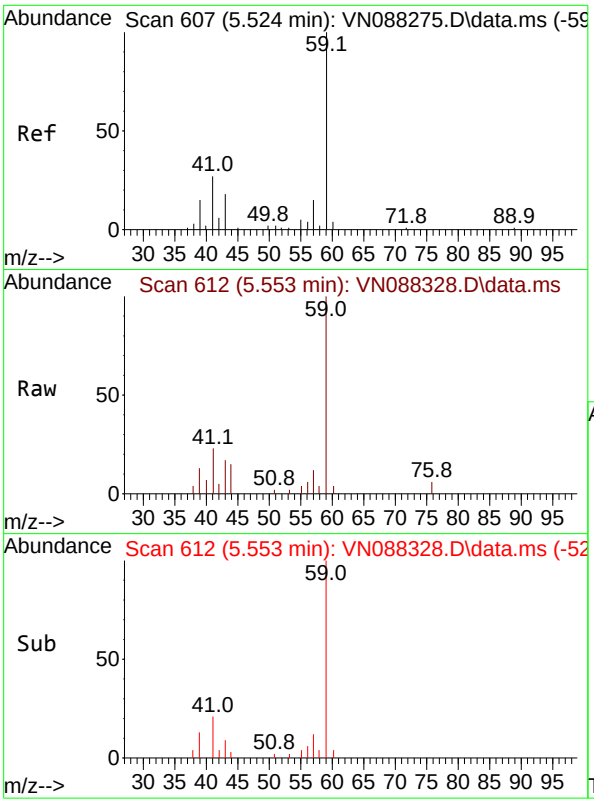


#16
Carbon Disulfide
Concen: 1.637 ug/l
RT: 4.694 min Scan# 466
Delta R.T. -0.012 min
Lab File: VN088328.D
Acq: 20 Nov 2025 13:46

Tgt Ion: 76 Resp: 16088

Ion	Ratio	Lower	Upper
76	100		
78	11.9	7.5	11.3#



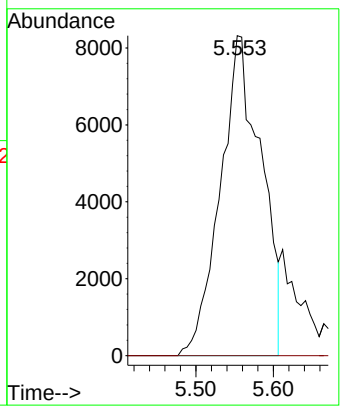


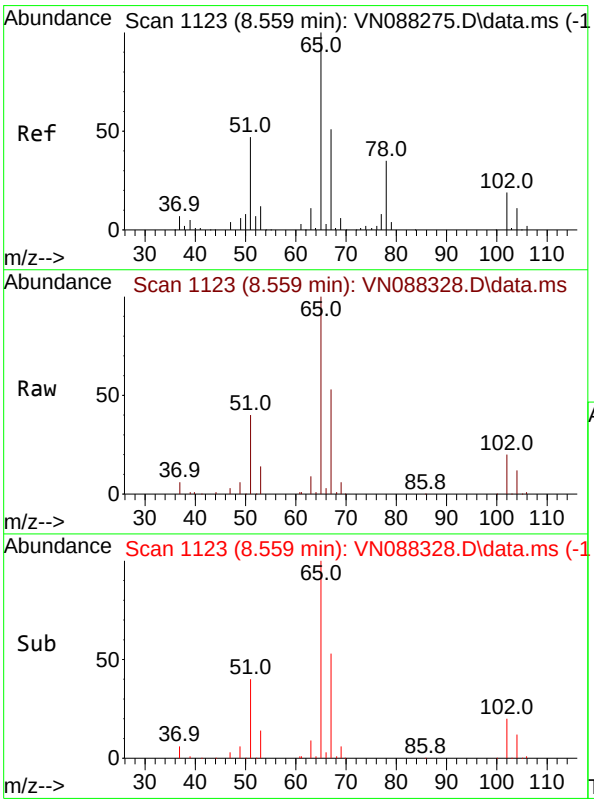
#23
tert-Butyl Alcohol
Concen: 38.823 ug/l
RT: 5.553 min Scan# 6
Delta R.T. 0.029 min
Lab File: VN088328.D
Acq: 20 Nov 2025 13:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 59 Resp: 30499

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

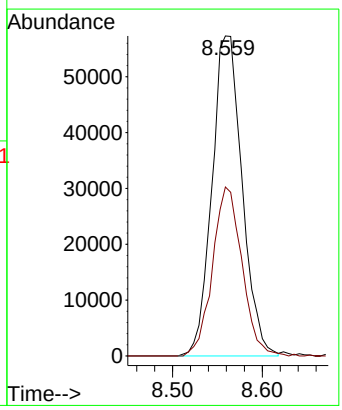


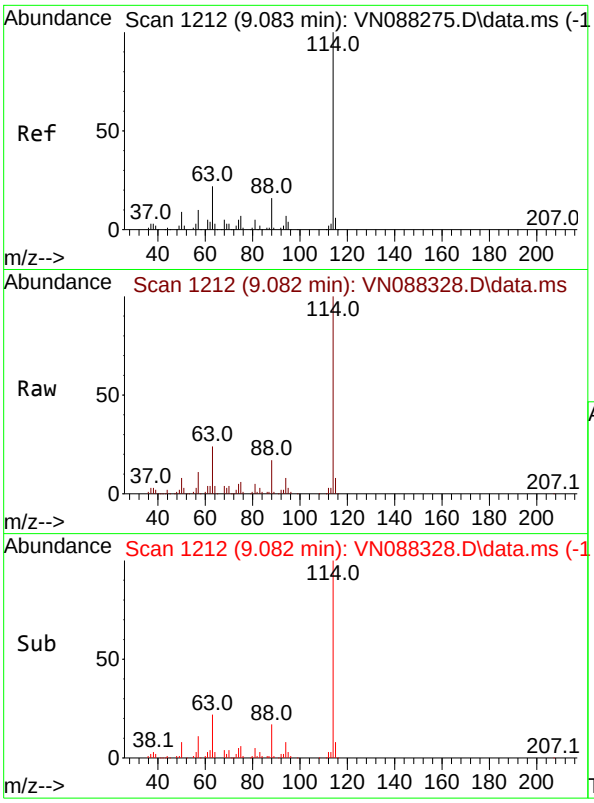


#27
1,2-Dichloroethane-d4
Concen: 27.643 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088328.D
Acq: 20 Nov 2025 13:46

Tgt Ion: 65 Resp: 133828

Ion	Ratio	Lower	Upper
65	100		
67	51.6	40.2	60.2



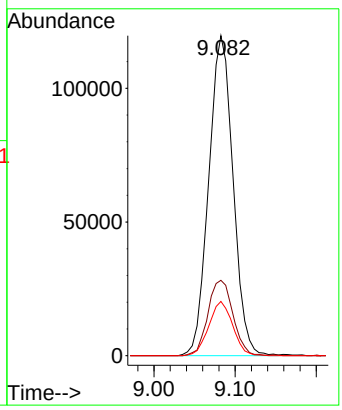


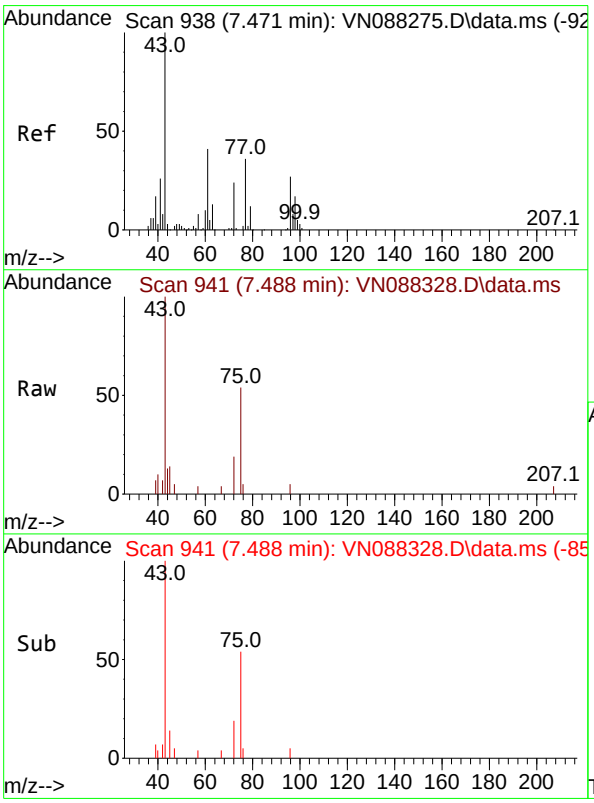
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088328.D
Acq: 20 Nov 2025 13:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:114 Resp: 249512

Ion	Ratio	Lower	Upper
114	100		
63	24.2	18.9	28.3
88	16.6	12.8	19.2

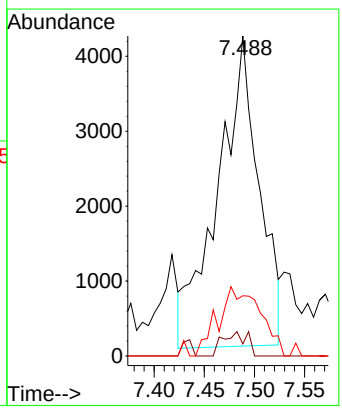


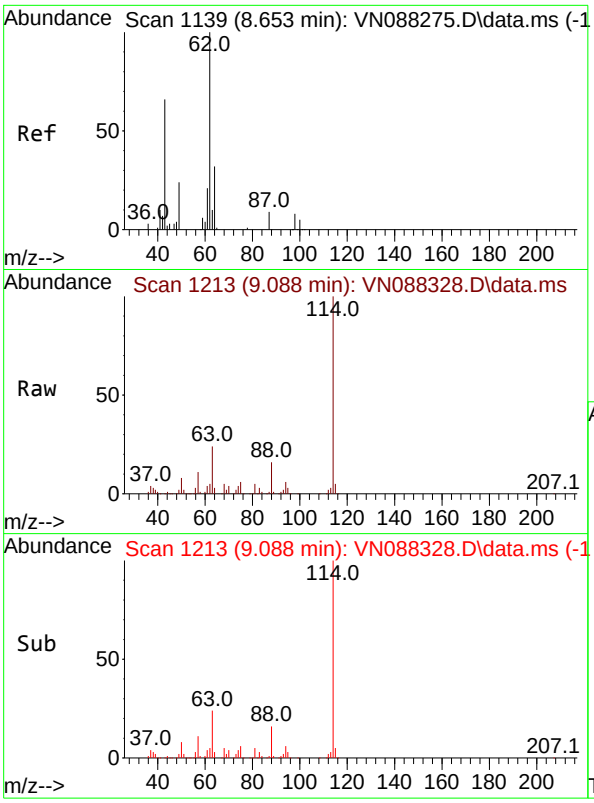


#30
2-Butanone
Concen: 4.391 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.017 min
Lab File: VN088328.D
Acq: 20 Nov 2025 13:46

Tgt Ion: 43 Resp: 11824

Ion	Ratio	Lower	Upper
43	100		
57	1.0	6.2	9.4#
72	0.0	19.4	29.2#



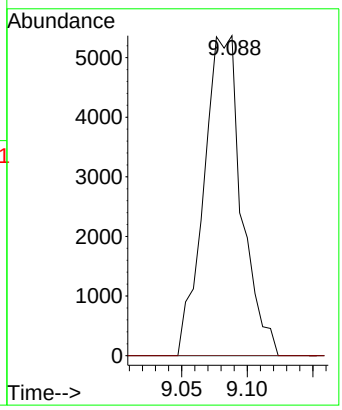


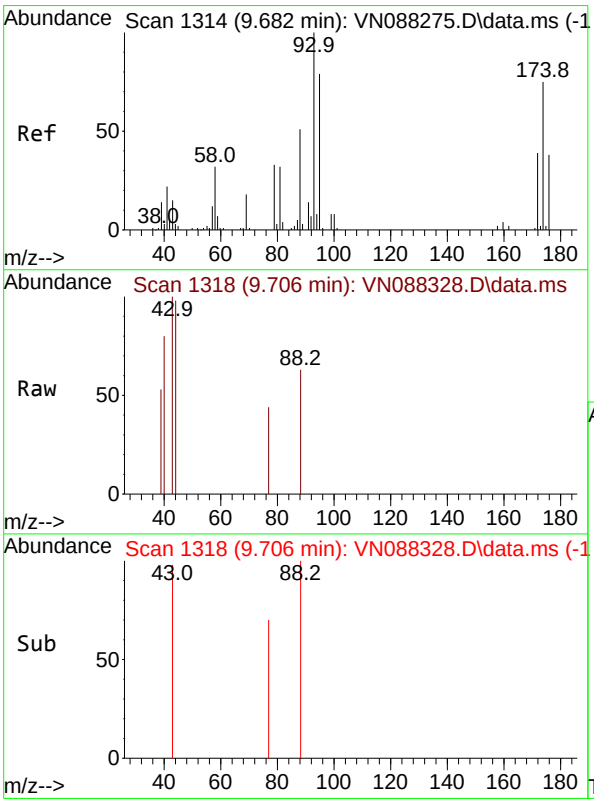
#36
1,2-Dichloroethane
Concen: 2.218 ug/l
RT: 9.088 min Scan# 1
Delta R.T. 0.435 min
Lab File: VN088328.D
Acq: 20 Nov 2025 13:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 62 Resp: 10743

Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.8	10.2#

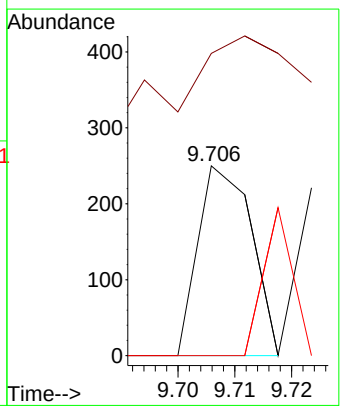


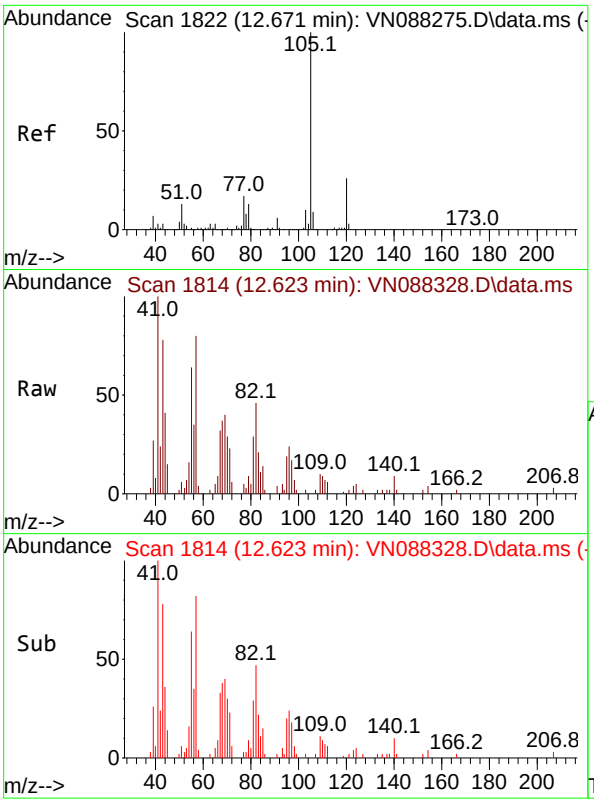


#45
1,4-Dioxane
Concen: 3.241 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.023 min
Lab File: VN088328.D
Acq: 20 Nov 2025 13:46

Tgt Ion: 88 Resp: 163

Ion	Ratio	Lower	Upper
88	100		
43	341.7	27.8	41.8#
58	0.0	59.5	89.3#



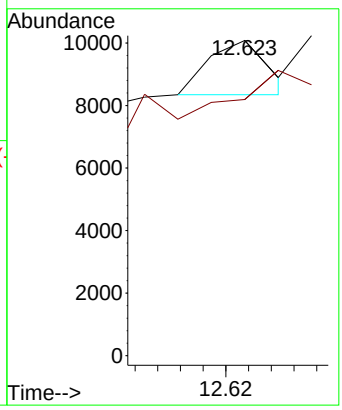


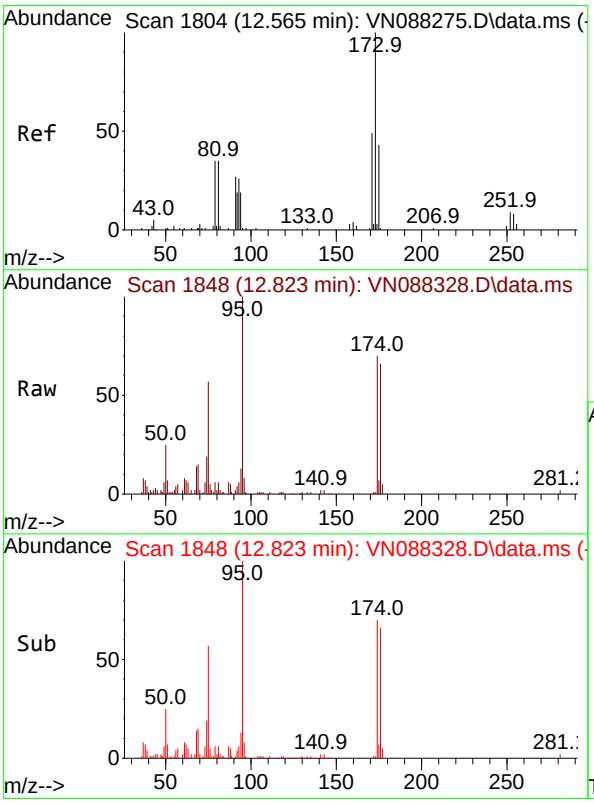
#47
n-amyl Acetate
Concen: 0.295 ug/l
RT: 12.623 min Scan# 1
Delta R.T. -0.047 min
Lab File: VN088328.D
Acq: 20 Nov 2025 13:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 1247

Ion	Ratio	Lower	Upper
43	100		
55	0.0	0.0	0.0

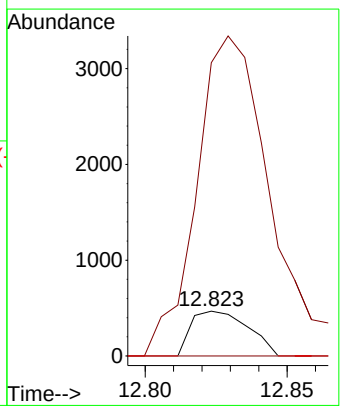


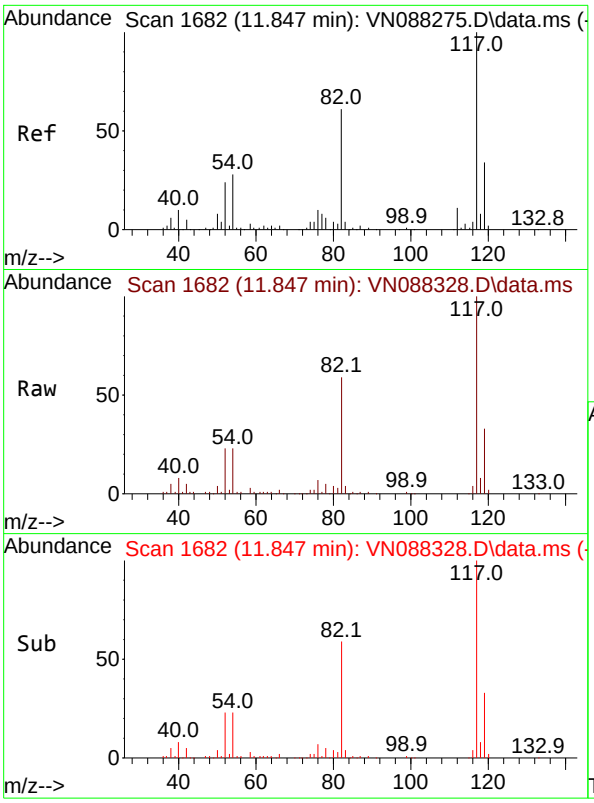


#56
Bromoform
Concen: 0.316 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.259 min
Lab File: VN088328.D
Acq: 20 Nov 2025 13:46

Tgt Ion:173 Resp: 656

Ion	Ratio	Lower	Upper
173	100		
175	908.7	37.7	56.5#
254	0.0	5.9	8.9#



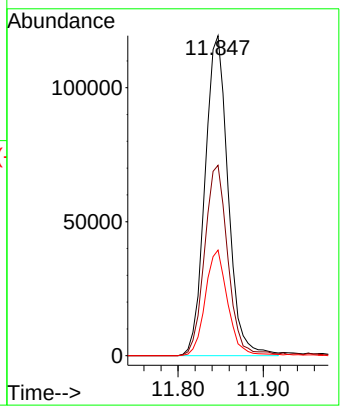


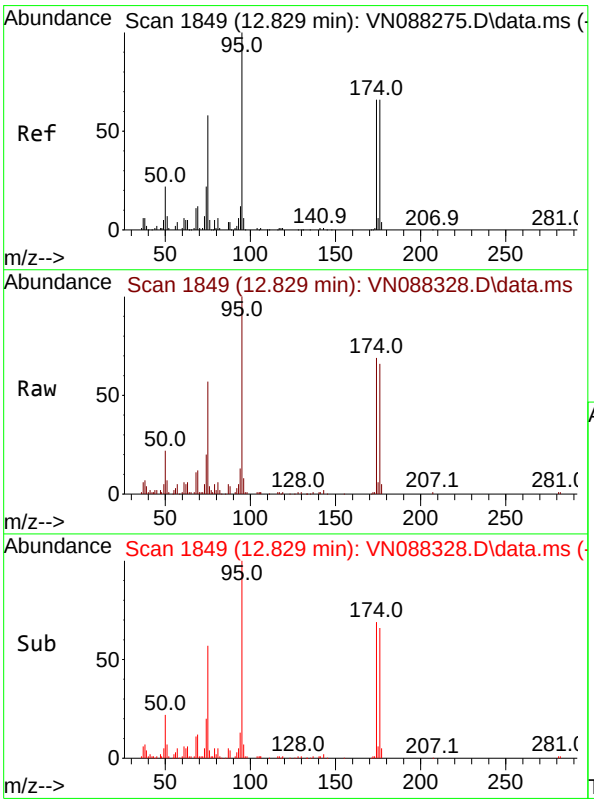
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088328.D
Acq: 20 Nov 2025 13:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 225012

Ion	Ratio	Lower	Upper
117	100		
82	59.3	49.3	73.9
119	32.1	26.4	39.6

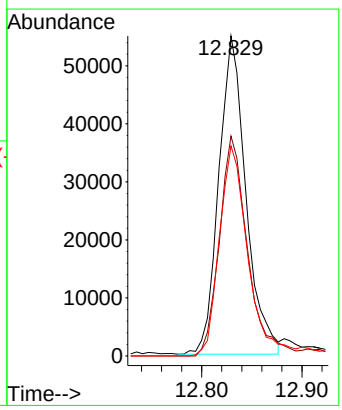


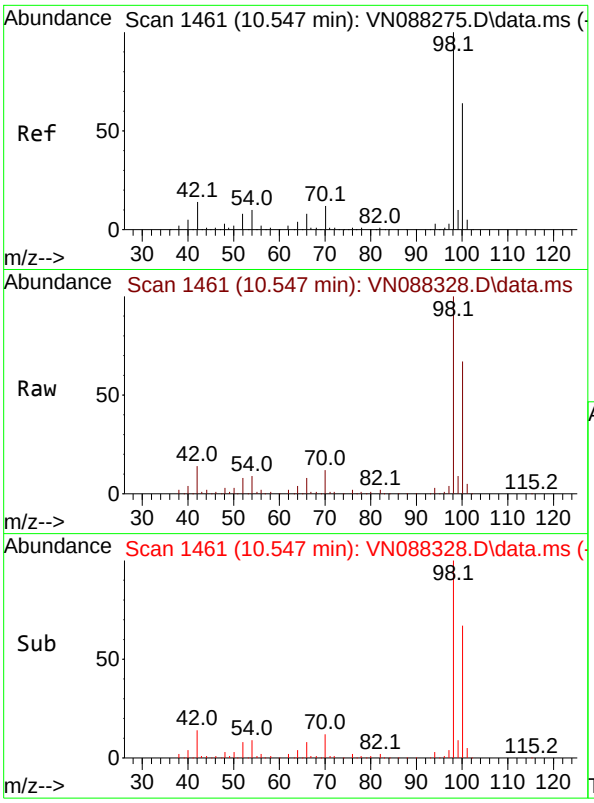


#60
4-Bromofluorobenzene
Concen: 27.045 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088328.D
Acq: 20 Nov 2025 13:46

Tgt Ion: 95 Resp: 102873

Ion	Ratio	Lower	Upper
95	100		
174	71.4	54.5	81.7
176	69.0	53.8	80.6



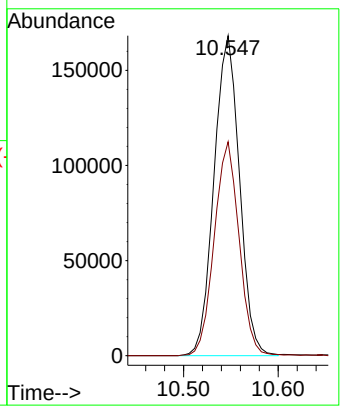


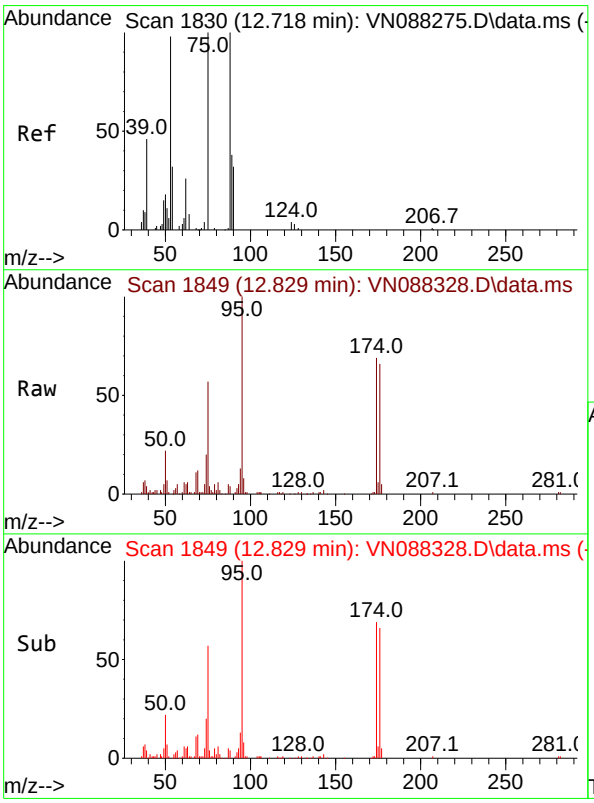
#63
Toluene-d8
Concen: 29.514 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN088328.D
Acq: 20 Nov 2025 13:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 314413

Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.6	77.4

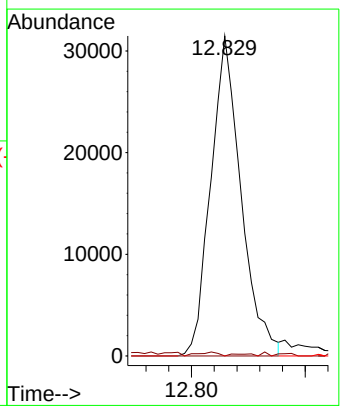


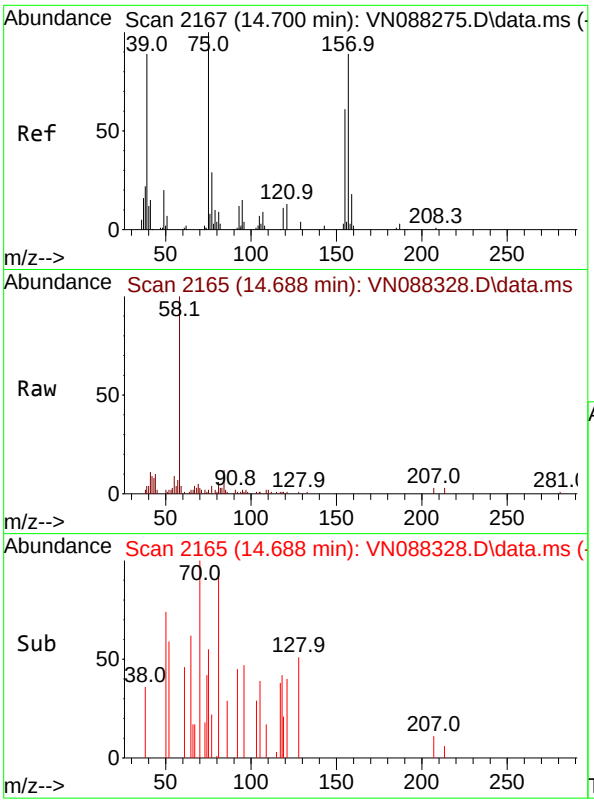


#77
t-1,4-Dichloro-2-butene
Concen: 40.673 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088328.D
Acq: 20 Nov 2025 13:46

Tgt Ion: 75 Resp: 58319

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



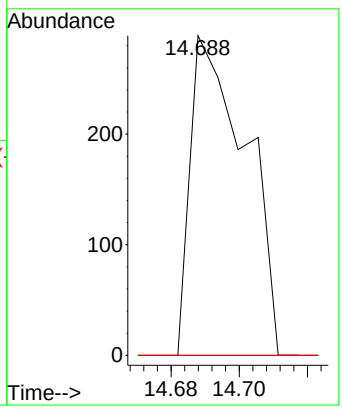


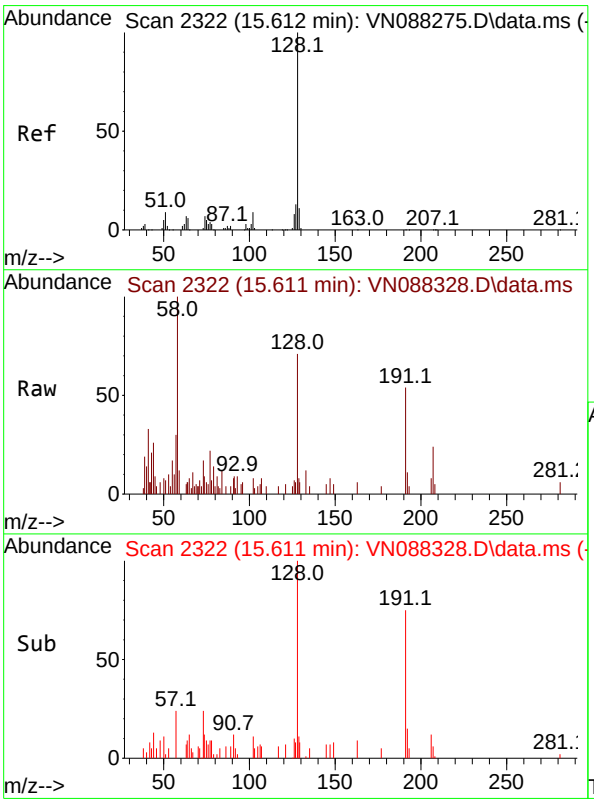
#88
1,2-Dibromo-3-Chloropropane
Concen: 0.322 ug/l
RT: 14.688 min Scan# 21
Delta R.T. -0.012 min
Lab File: VN088328.D
Acq: 20 Nov 2025 13:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 326

Ion	Ratio	Lower	Upper
75	100		
155	0.0	54.8	82.2#
157	0.0	70.7	106.1#





#91
Naphthalene
Concen: 0.635 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VN088328.D
Acq: 20 Nov 2025 13:46

Tgt Ion:128 Resp: 7103

Ion	Ratio	Lower	Upper
128	100		
127	3.1	10.6	16.0#
129	12.1	8.8	13.2