Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032423\
Data File : VN077170.D
Acq On : 24 Mar 2023 00:59
Operator : JC\MD
Sample : VIBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Quant Time: Mar 24 04:58:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 24 04:51:59 2023
Response via : Initial Calibration

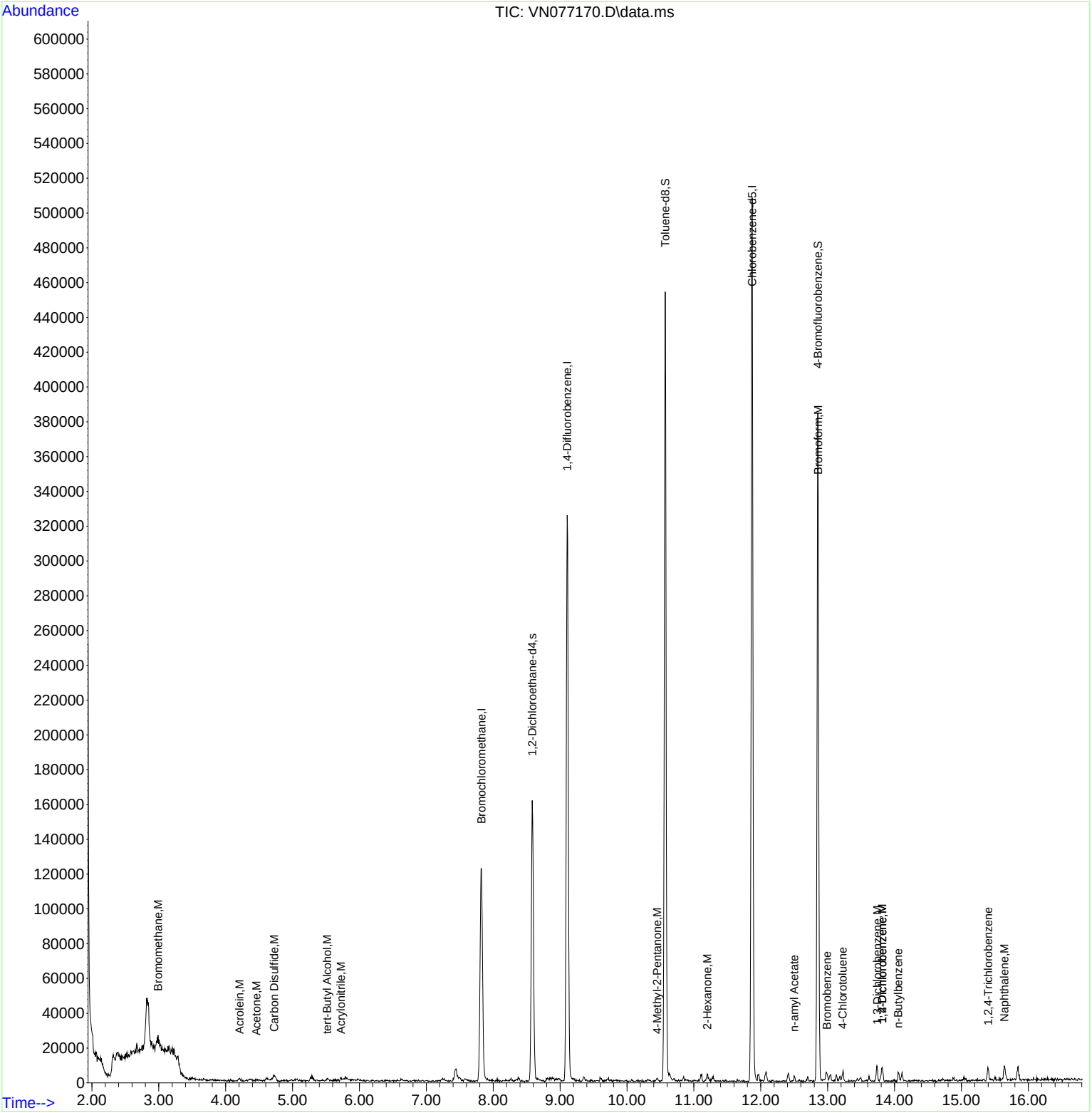
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.825	128	40955	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.107	114	265376	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.872	117	281976	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.584	65	129556	33.632	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 112.100%#				
60) 4-Bromofluorobenzene	12.854	95	118379	22.437	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 74.800%				
63) Toluene-d8	10.572	98	298749	29.929	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.767%				
Target Compounds							Qvalue
5) Bromomethane	2.990	94	5742	1.839	ug/l	#	68
13) Acrolein	4.207	56	794	0.695	ug/l	#	62
14) Acrylonitrile	5.725	53	658	0.259	ug/l		77
15) Acetone	4.460	58	172	0.252	ug/l	#	1
16) Carbon Disulfide	4.725	76	6349	0.509	ug/l	#	77
23) tert-Butyl Alcohol	5.519	59	288	0.380	ug/l	#	100
47) n-amyl Acetate	12.501	43	1665	0.205	ug/l	#	74
56) Bromoform	12.860	173	1572	0.491	ug/l	#	1
58) 4-Methyl-2-Pentanone	10.454	43	1353	0.221	ug/l	#	54
59) 2-Hexanone	11.201	43	3346	0.765	ug/l	#	91
73) Bromobenzene	12.989	156	1329	0.285	ug/l		28
78) 4-Chlorotoluene	13.224	91	3265	0.227	ug/l		99
83) 1,3-Dichlorobenzene	13.742	146	2814	0.327	ug/l		92
84) 1,4-Dichlorobenzene	13.818	146	3437	0.413	ug/l		92
85) n-Butylbenzene	14.054	91	2894	0.202	ug/l		67
87) 1,2-Dichlorobenzene	13.818	146	3437	0.402	ug/l		93
89) 1,2,4-Trichlorobenzene	15.401	180	2645	0.606	ug/l	#	31
91) Naphthalene	15.642	128	8815	0.636	ug/l	#	94

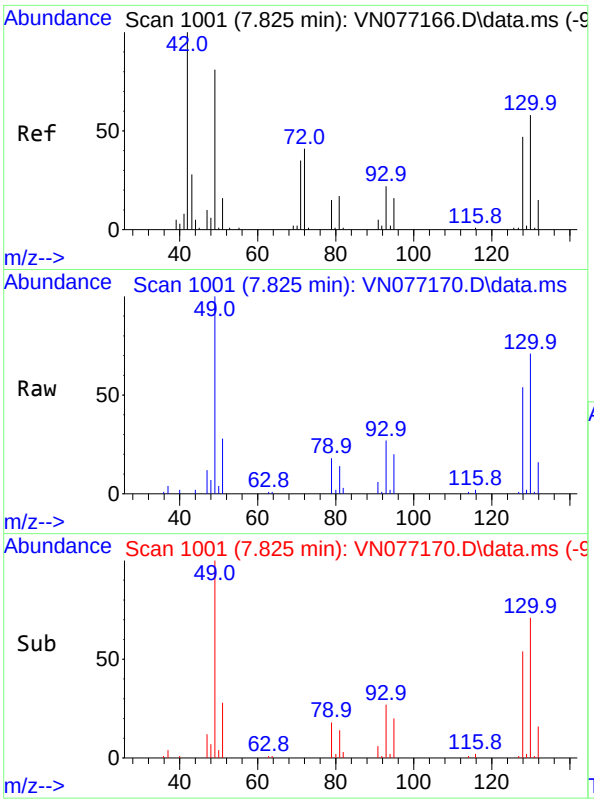
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032423\
Data File : VN077170.D
Acq On : 24 Mar 2023 00:59
Operator : JC\MD
Sample : VIBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Quant Time: Mar 24 04:58:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 24 04:51:59 2023
Response via : Initial Calibration



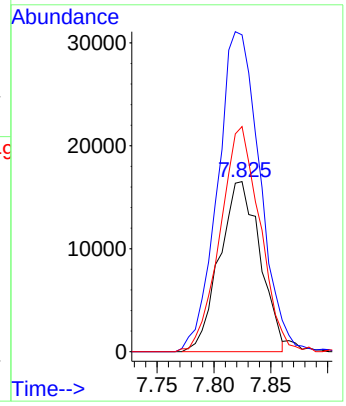


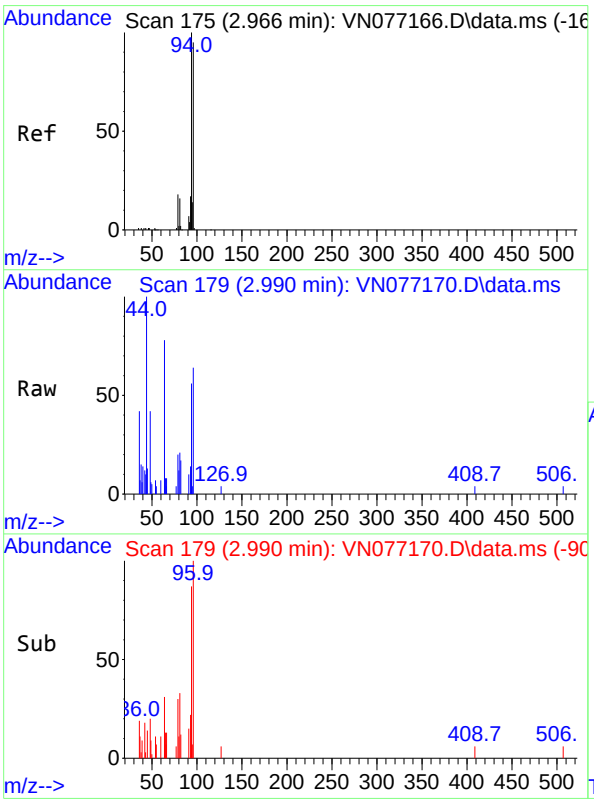
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.825 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion:128 Resp: 40955

Ion	Ratio	Lower	Upper
128	100		
49	196.3	0.0	461.8
130	130.0	0.0	295.3

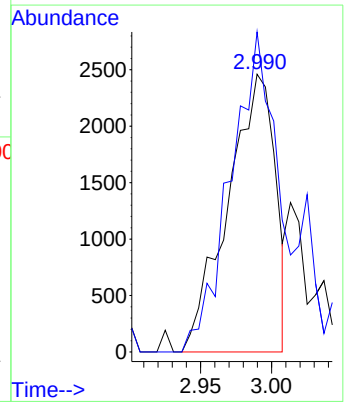


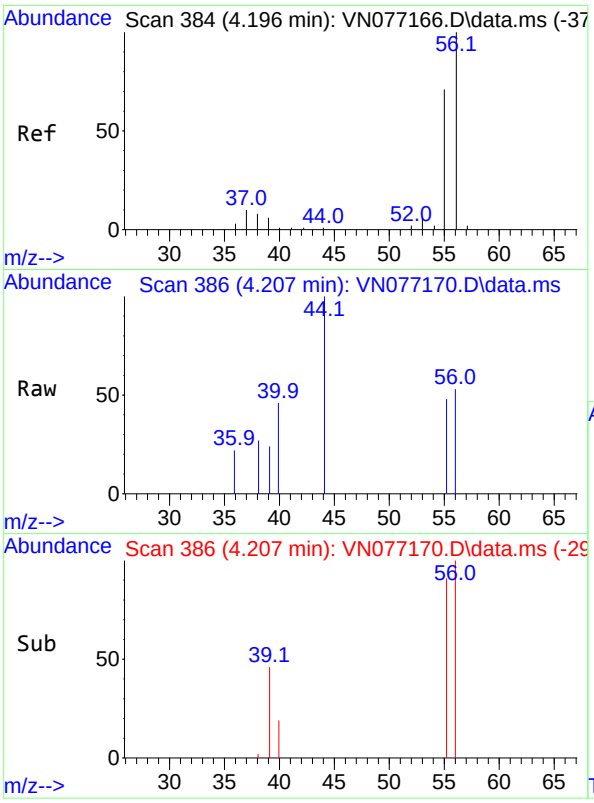


#5
Bromomethane
Concen: 1.839 ug/l
RT: 2.990 min Scan# 179
Delta R.T. 0.023 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Tgt Ion: 94 Resp: 5742

Ion	Ratio	Lower	Upper
94	100		
96	115.2	68.6	103.0#



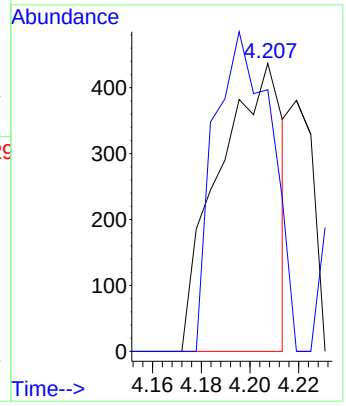


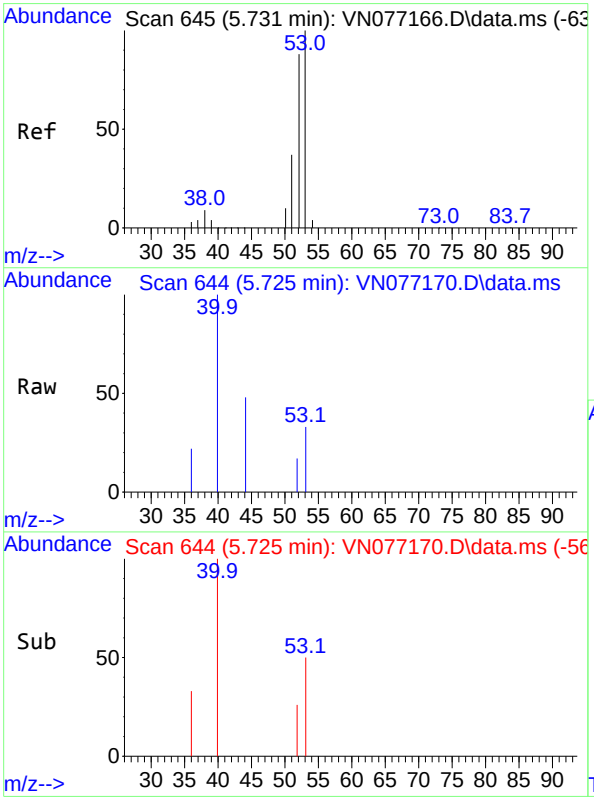
#13
Acrolein
Concen: 0.695 ug/l
RT: 4.207 min Scan# 3
Delta R.T. 0.012 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion: 56 Resp: 794

Ion	Ratio	Lower	Upper
56	100		
55	99.4	55.0	82.4#

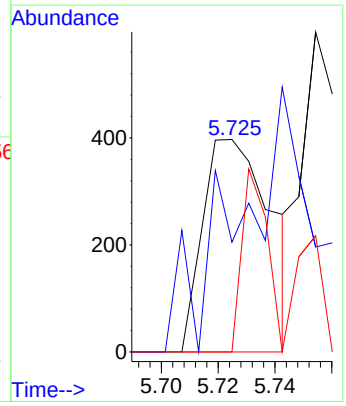


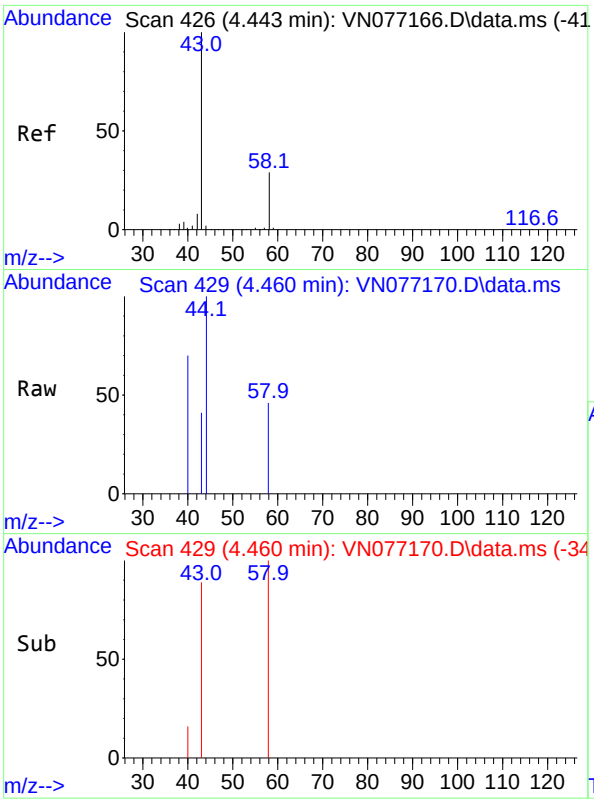


#14
Acrylonitrile
Concen: 0.259 ug/l
RT: 5.725 min Scan# 644
Delta R.T. -0.006 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Tgt Ion: 53 Resp: 658

Ion	Ratio	Lower	Upper
53	100		
52	55.2	41.5	124.6
51	31.9	17.6	52.8



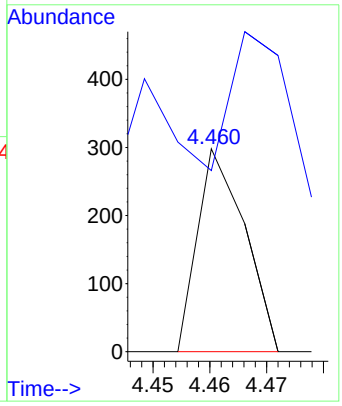


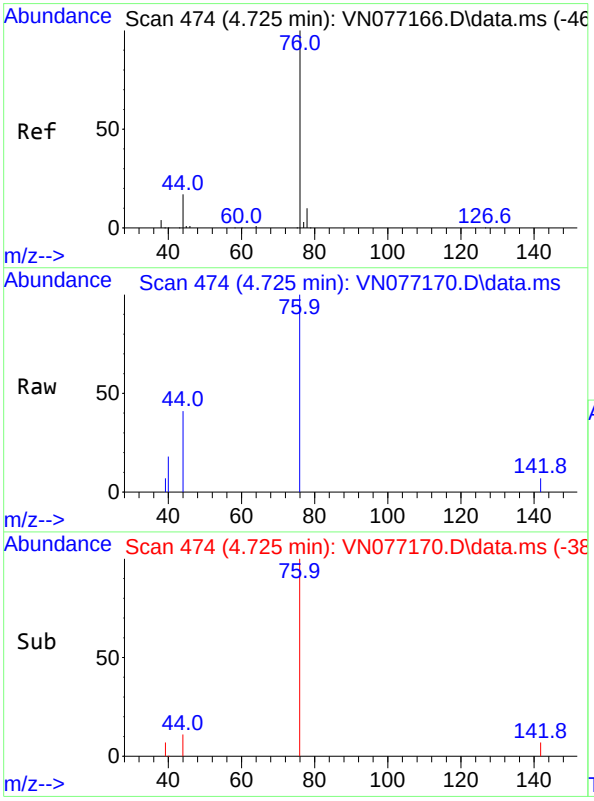
#15
Acetone
Concen: 0.252 ug/l
RT: 4.460 min Scan# 4
Delta R.T. 0.018 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion: 58 Resp: 172

Ion	Ratio	Lower	Upper
58	100		
43	0.0	255.4	383.0#

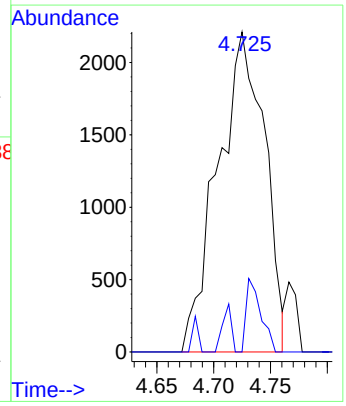


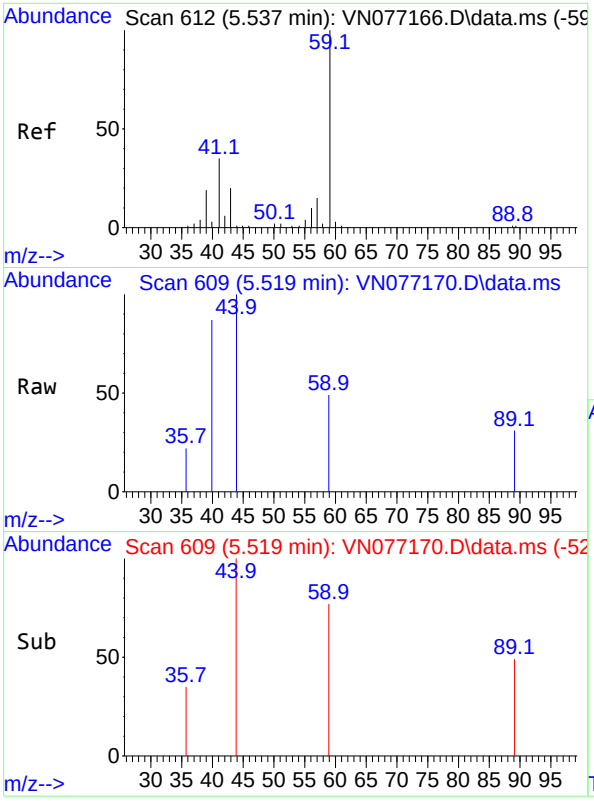


#16
Carbon Disulfide
Concen: 0.509 ug/l
RT: 4.725 min Scan# 474
Delta R.T. -0.000 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Tgt Ion: 76 Resp: 6349

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.6	9.8#



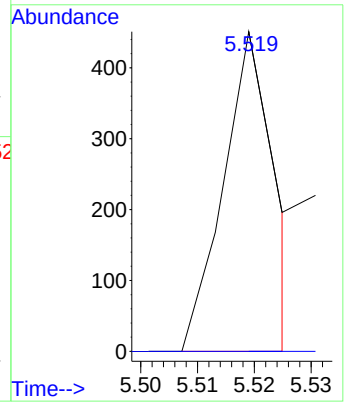


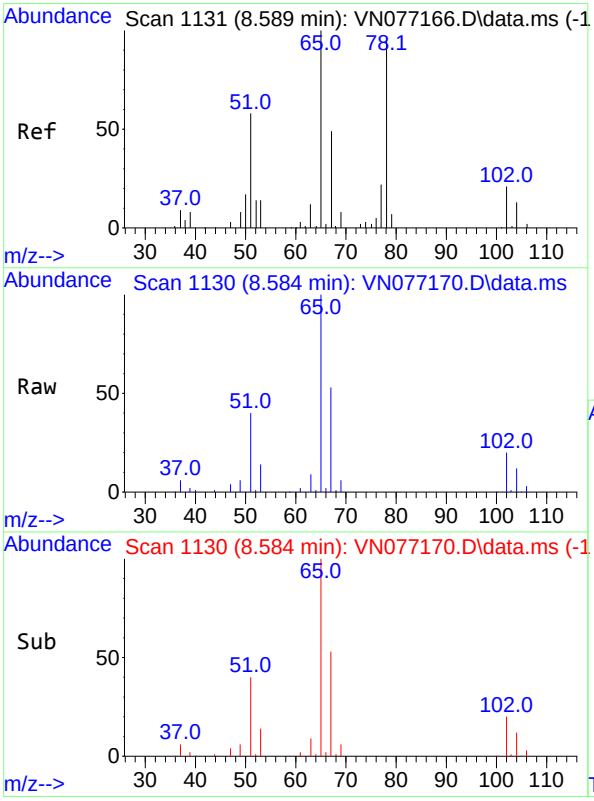
#23
tert-Butyl Alcohol
Concen: 0.380 ug/l
RT: 5.519 min Scan# 6
Delta R.T. -0.018 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion: 59 Resp: 288

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.2	0.2#

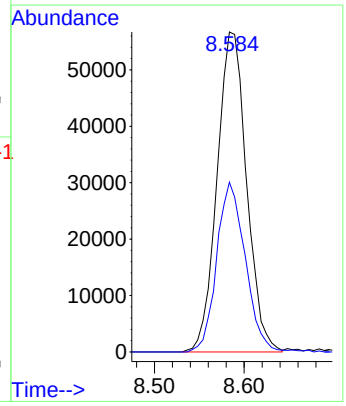


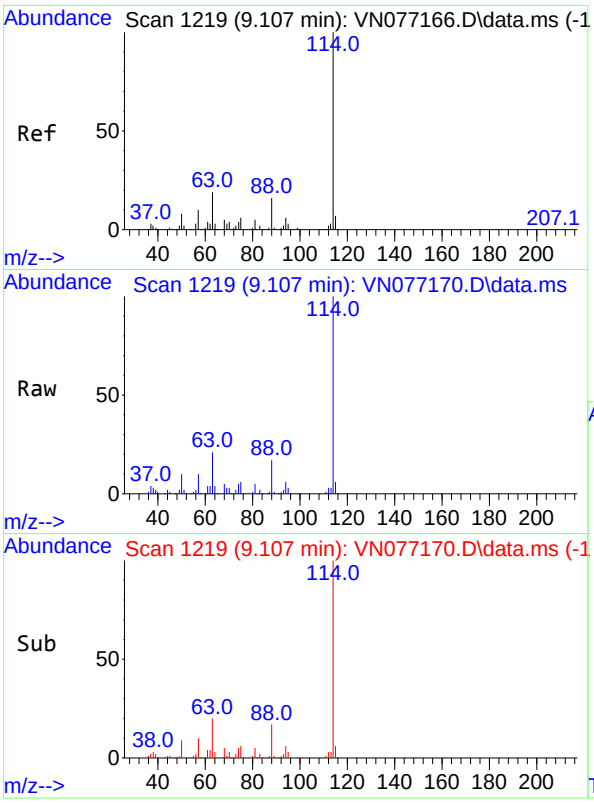


#27
1,2-Dichloroethane-d4
Concen: 33.632 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Tgt Ion: 65 Resp: 129556

Ion	Ratio	Lower	Upper
65	100		
67	51.2	40.9	61.3



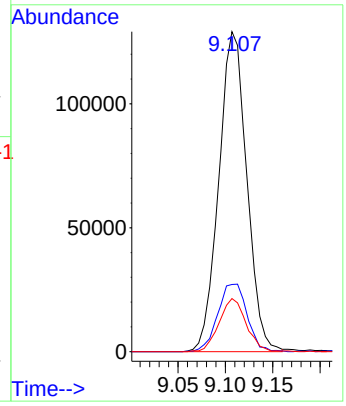


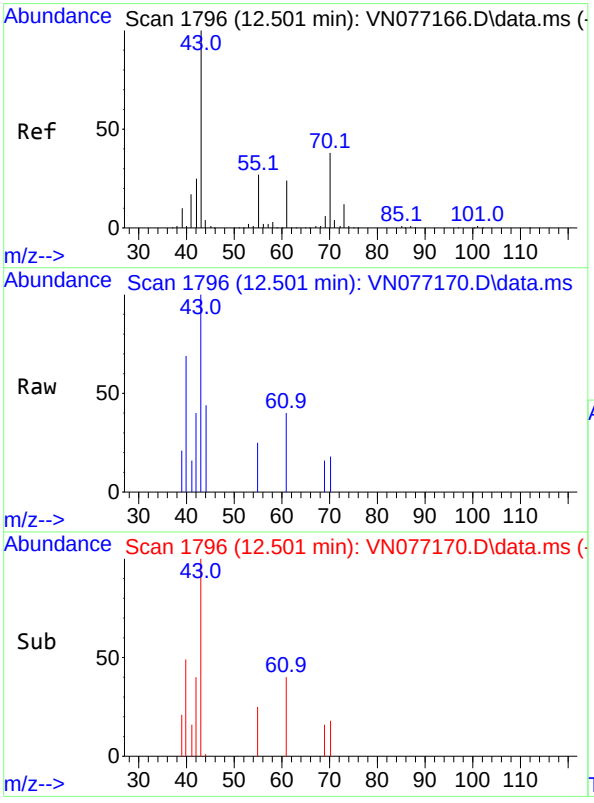
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion:114 Resp: 265376

Ion	Ratio	Lower	Upper
114	100		
63	22.1	17.0	25.4
88	16.0	11.6	17.4

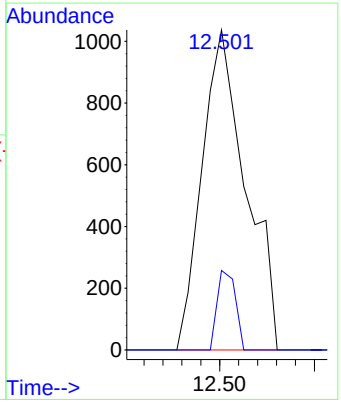


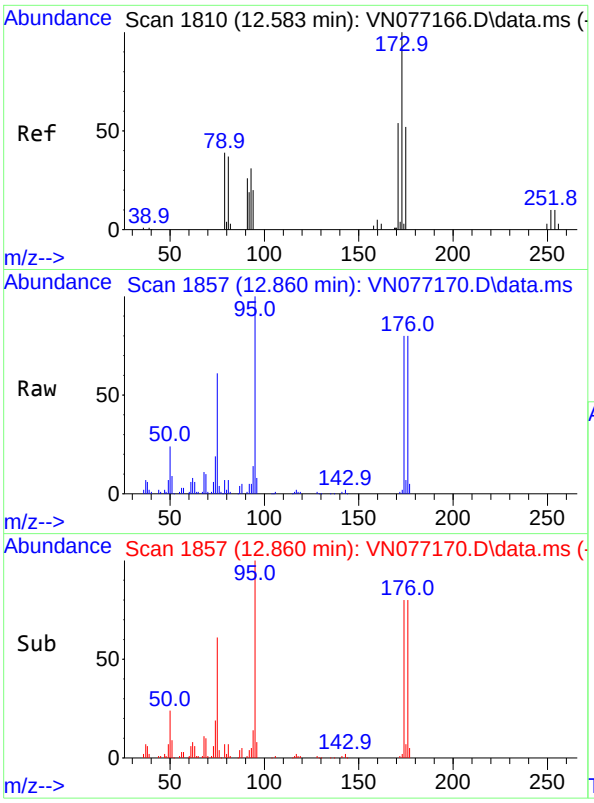


#47
n-amyl Acetate
Concen: 0.205 ug/l
RT: 12.501 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Tgt Ion: 43 Resp: 1665

Ion	Ratio	Lower	Upper
43	100		
55	10.3	18.3	27.5#



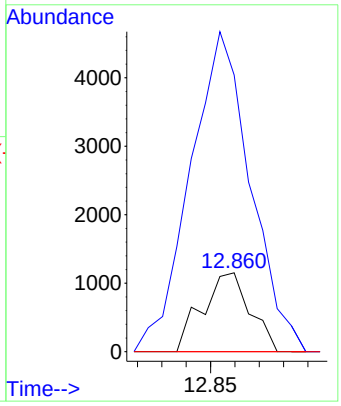


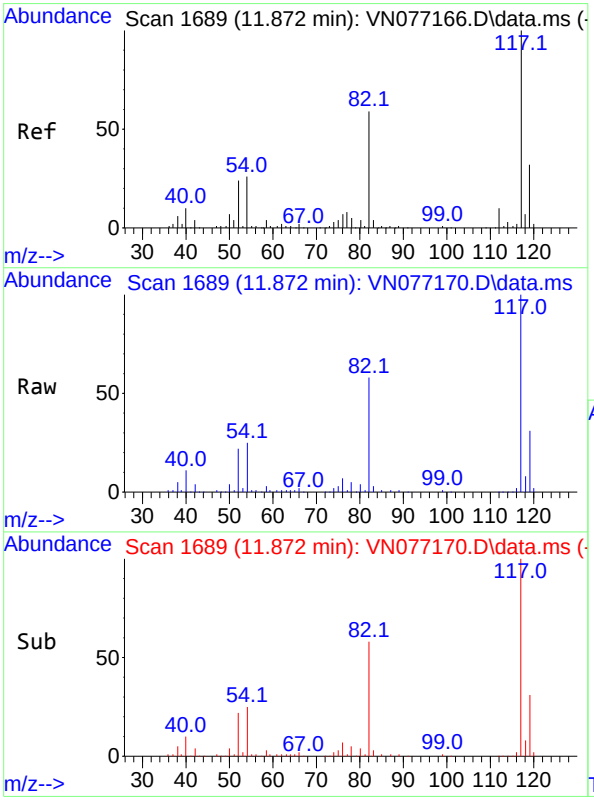
#56
Bromoform
Concen: 0.491 ug/l
RT: 12.860 min Scan# 1
Delta R.T. 0.276 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion:173 Resp: 1572

Ion	Ratio	Lower	Upper
173	100		
175	512.6	37.8	56.6#
254	0.0	7.3	10.9#

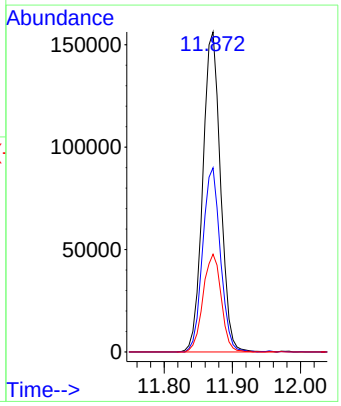


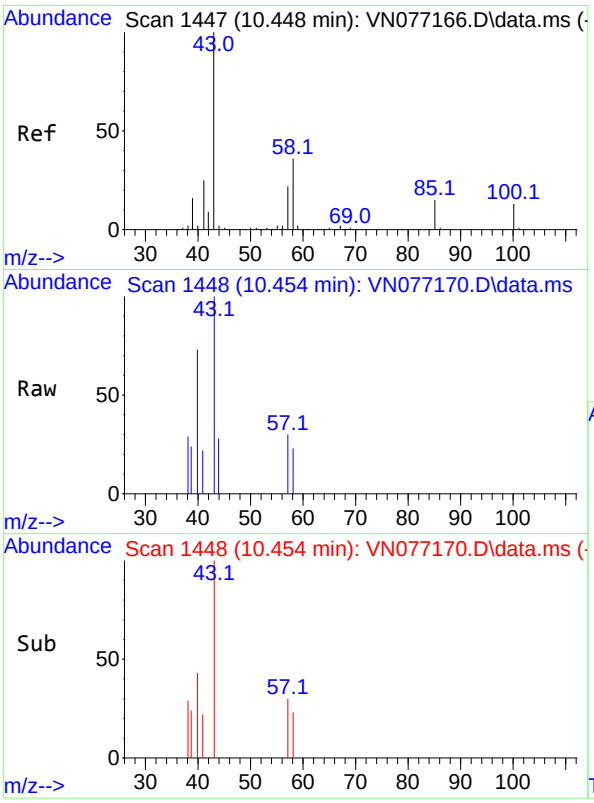


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Tgt Ion:117 Resp: 281976

Ion	Ratio	Lower	Upper
117	100		
82	57.6	45.4	68.0
119	31.4	26.8	40.2



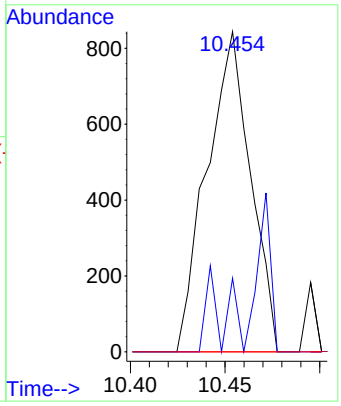


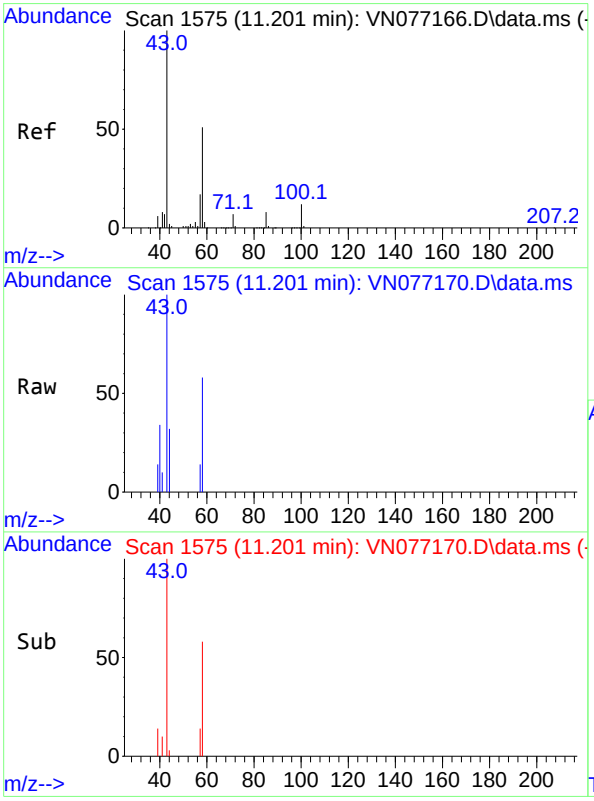
#58
4-Methyl-2-Pentanone
Concen: 0.221 ug/l
RT: 10.454 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion: 43 Resp: 1353

Ion	Ratio	Lower	Upper
43	100		
58	5.9	28.6	42.8#
85	0.0	11.8	17.8#

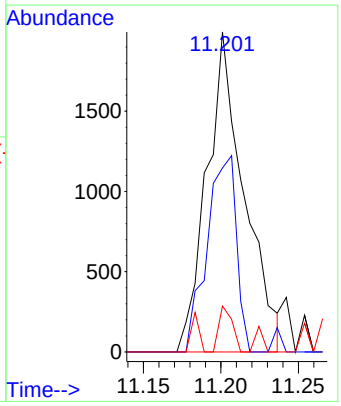


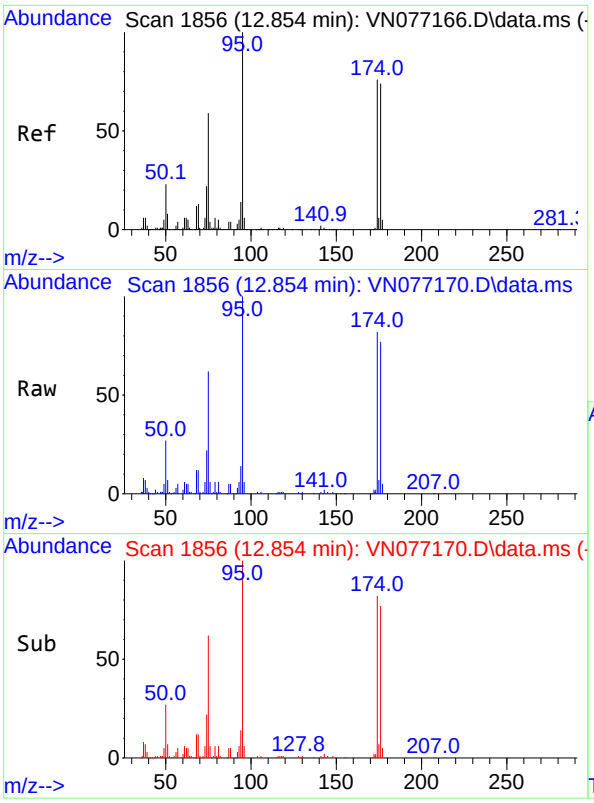


#59
2-Hexanone
Concen: 0.765 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. -0.000 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Tgt Ion: 43 Resp: 3346

Ion	Ratio	Lower	Upper
43	100		
58	48.1	40.6	60.8
57	5.2	13.1	19.7#



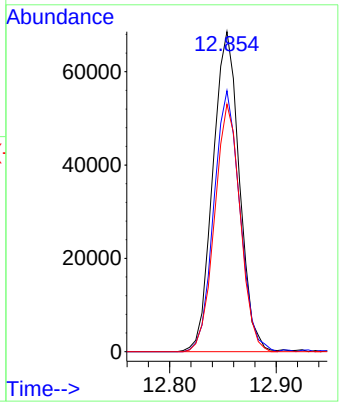


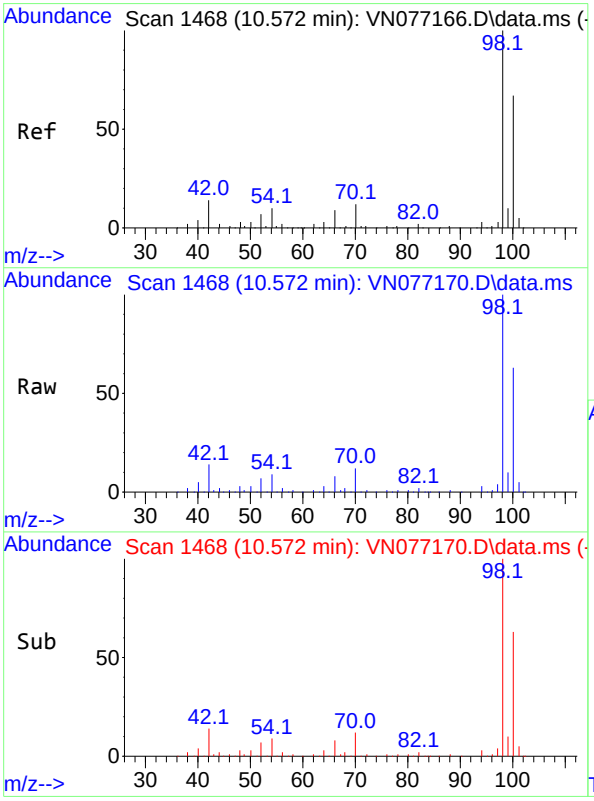
#60
4-Bromofluorobenzene
Concen: 22.437 ug/l
RT: 12.854 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion: 95 Resp: 118379

Ion	Ratio	Lower	Upper
95	100		
174	80.2	64.2	96.4
176	74.9	61.4	92.0

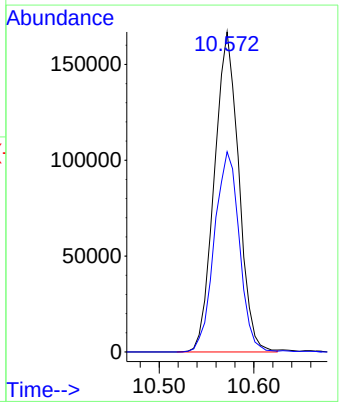


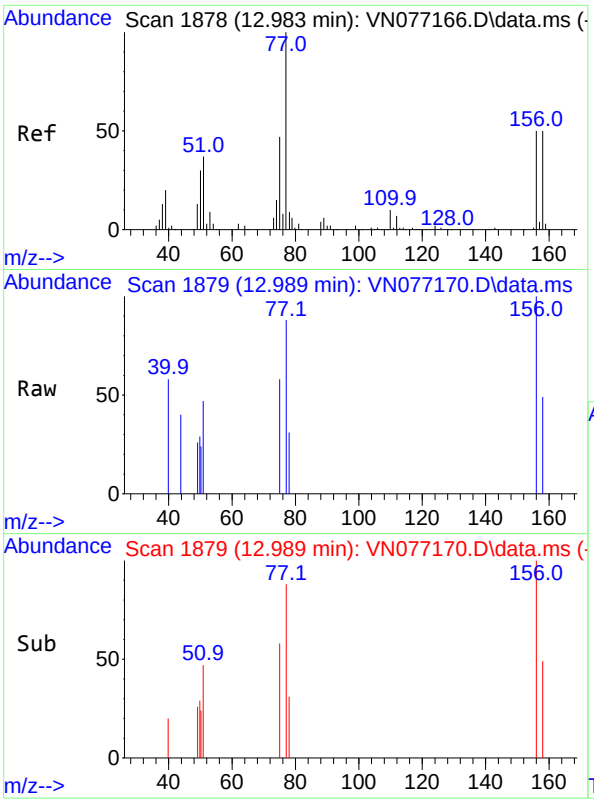


#63
Toluene-d8
Concen: 29.929 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Tgt Ion: 98 Resp: 298749

Ion	Ratio	Lower	Upper
98	100		
100	64.1	53.8	80.6



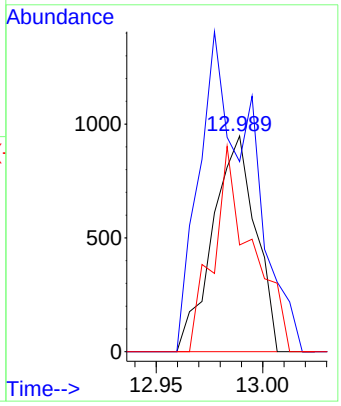


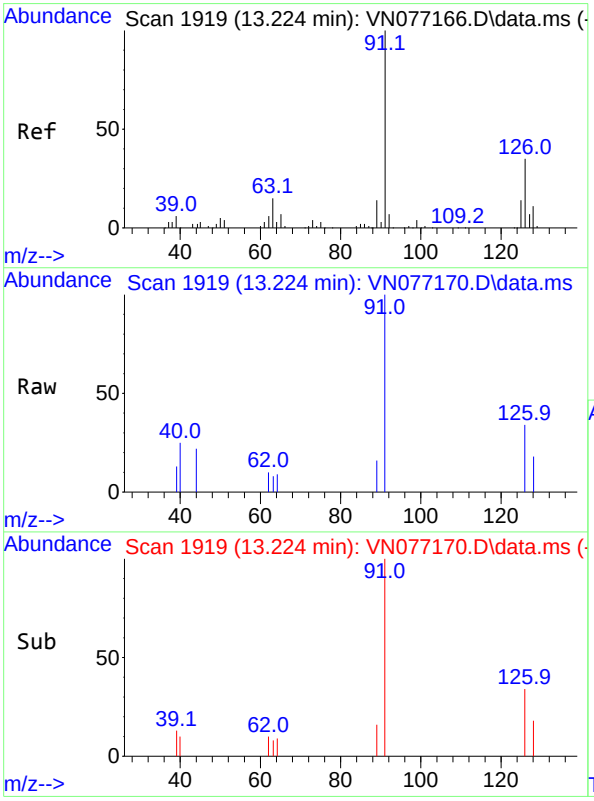
#73
Bromobenzene
Concen: 0.285 ug/l
RT: 12.989 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion:156 Resp: 1329

Ion	Ratio	Lower	Upper
156	100		
77	55.8	0.0	423.0
158	85.3	0.0	188.6

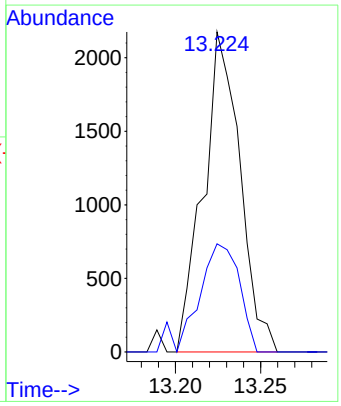


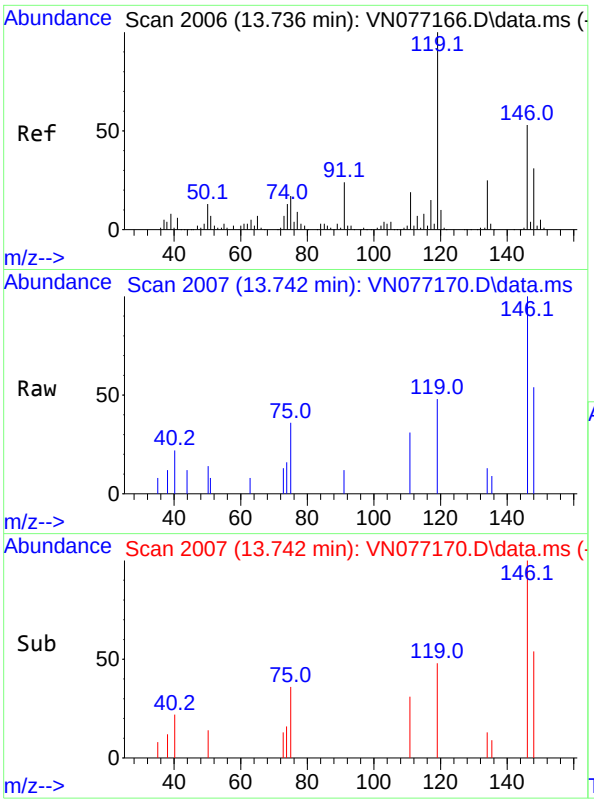


#78
4-Chlorotoluene
Concen: 0.227 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. -0.000 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Tgt Ion: 91 Resp: 3265

Ion	Ratio	Lower	Upper
91	100		
126	35.8	0.0	70.6



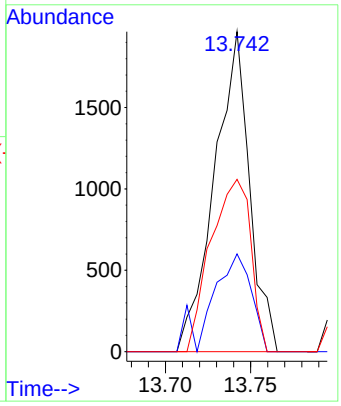


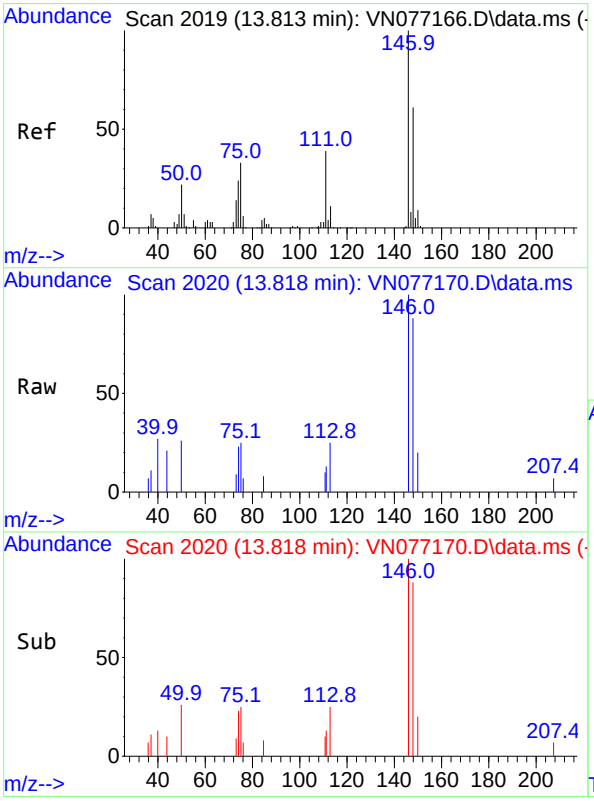
#83
1,3-Dichlorobenzene
Concen: 0.327 ug/l
RT: 13.742 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion:146 Resp: 2814

Ion	Ratio	Lower	Upper
146	100		
111	30.9	20.3	60.8
148	61.4	31.9	95.5

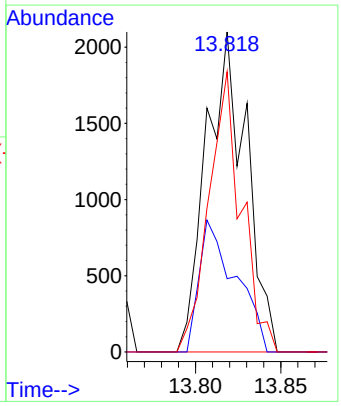


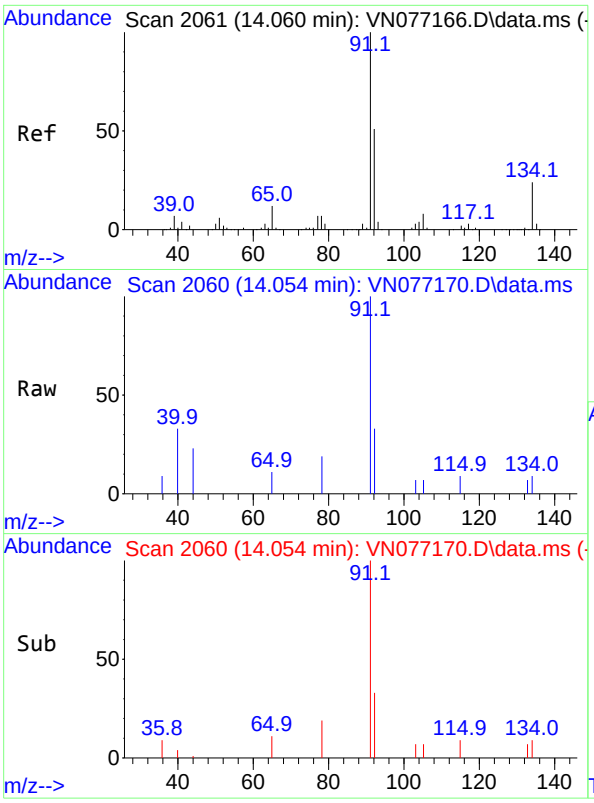


#84
1,4-Dichlorobenzene
Concen: 0.413 ug/l
RT: 13.818 min Scan# 2020
Delta R.T. 0.006 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Tgt Ion:146 Resp: 3437

Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.2	54.6
148	71.0	31.1	93.2



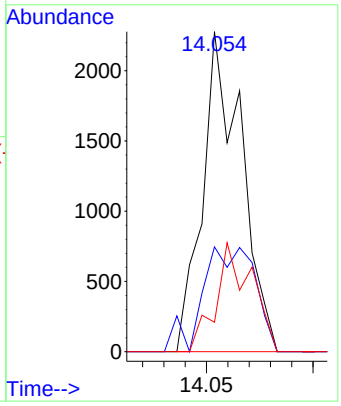


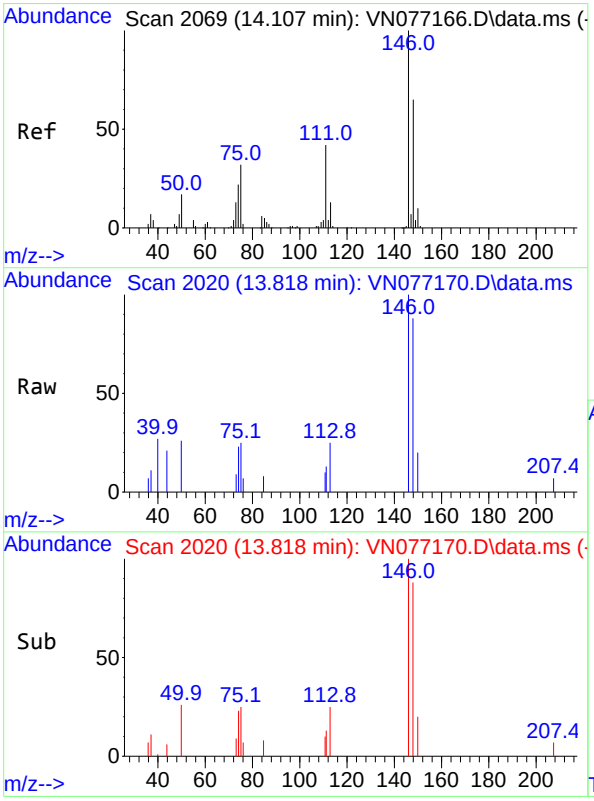
#85
n-Butylbenzene
Concen: 0.202 ug/l
RT: 14.054 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion: 91 Resp: 2894

Ion	Ratio	Lower	Upper
91	100		
92	21.5	0.0	103.2
134	31.3	0.0	50.0

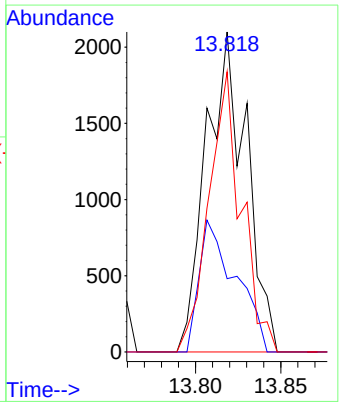


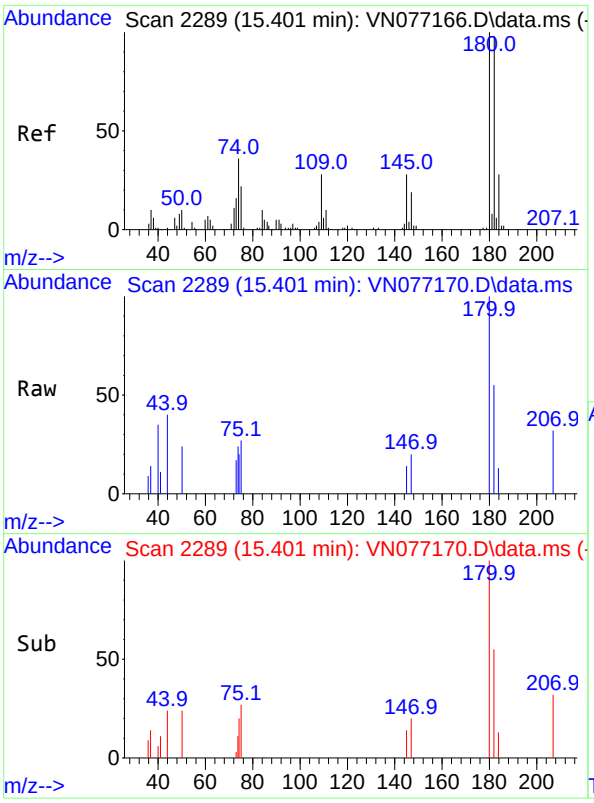


#87
1,2-Dichlorobenzene
Concen: 0.402 ug/l
RT: 13.818 min Scan# 2020
Delta R.T. -0.288 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Tgt Ion:146 Resp: 3437

Ion	Ratio	Lower	Upper
146	100		
111	37.5	20.5	61.6
148	71.0	32.5	97.5



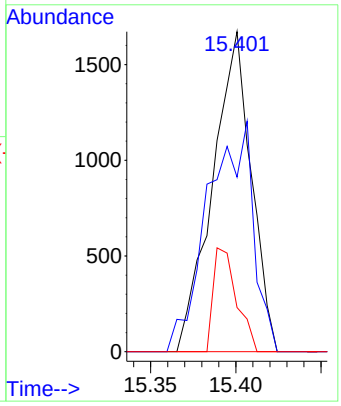


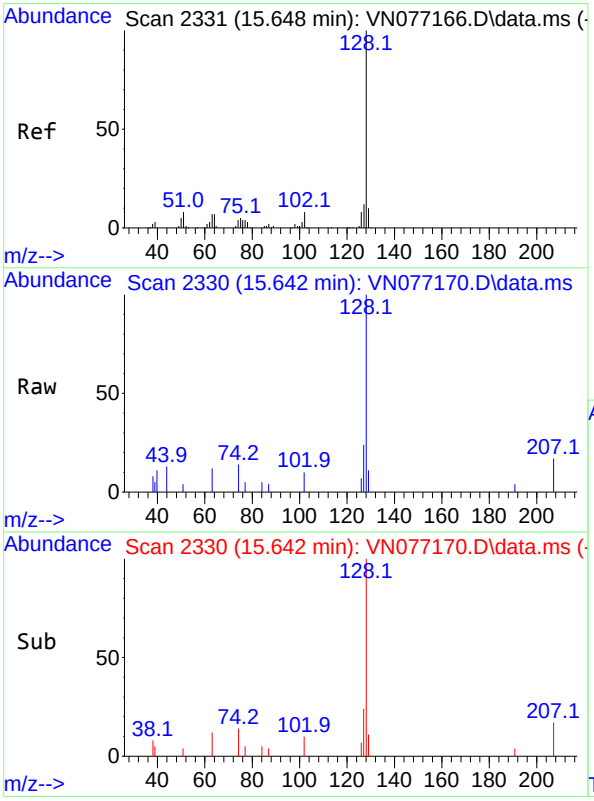
#89
1,2,4-Trichlorobenzene
Concen: 0.606 ug/l
RT: 15.401 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion:180 Resp: 2645

Ion	Ratio	Lower	Upper
180	100		
182	23.9	76.6	115.0#
145	0.0	24.6	36.8#





#91
Naphthalene
Concen: 0.636 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. -0.006 min
Lab File: VN077170.D
Acq: 24 Mar 2023 00:59

Tgt Ion:128 Resp: 8815

Ion	Ratio	Lower	Upper
128	100		
127	13.5	11.0	16.6
129	6.3	8.9	13.3#