Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041422\
Data File : VN071988.D
Acq On : 14 Apr 2022 11:02
Operator : JC\MD
Sample : VN0414WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 15 01:36:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 24 12:03:44 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.657	128	68787	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	8.963	114	357025	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.745	117	301866	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.433	65	137885	28.451	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 94.833%				
60) 4-Bromofluorobenzene	12.727	95	99257	22.176	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 73.933%				
63) Toluene-d8	10.439	98	415293	30.307	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.033%				
Target Compounds							Qvalue
3) Chloromethane	2.304	50	1598	0.317	ug/l		98
5) Bromomethane	2.869	94	771	0.226	ug/l		94
12) Methyl Acetate	4.857	43	1768	0.315	ug/l	#	49
23) tert-Butyl Alcohol	5.328	59	844	0.930	ug/l	#	100
45) 1,4-Dioxane	9.092	88	135	1.337	ug/l	#	1
47) n-amyl Acetate	12.392	43	2071	0.310	ug/l	#	90
55) 2-Chloroethyl vinyl ether	10.039	63	715	0.378	ug/l	#	44
58) 4-Methyl-2-Pentanone	10.333	43	1482	0.259	ug/l	#	49
59) 2-Hexanone	11.092	43	4199	1.004	ug/l	#	90
77) t-1,4-Dichloro-2-butene	12.733	75	47670	25.153	ug/l	#	8
83) 1,3-Dichlorobenzene	13.698	146	1955	0.254	ug/l		92
84) 1,4-Dichlorobenzene	13.698	146	1955	0.266	ug/l		94
85) n-Butylbenzene	13.939	91	2422	0.214	ug/l		89
89) 1,2,4-Trichlorobenzene	15.262	180	2061	0.598	ug/l	#	62
90) Hexachlorobutadiene	15.374	225	602	0.295	ug/l	#	26
91) Naphthalene	15.503	128	6591	7.373	ug/l	#	77
92) 1,2,3-Trichlorobenzene	15.698	180	2789	0.826	ug/l		83

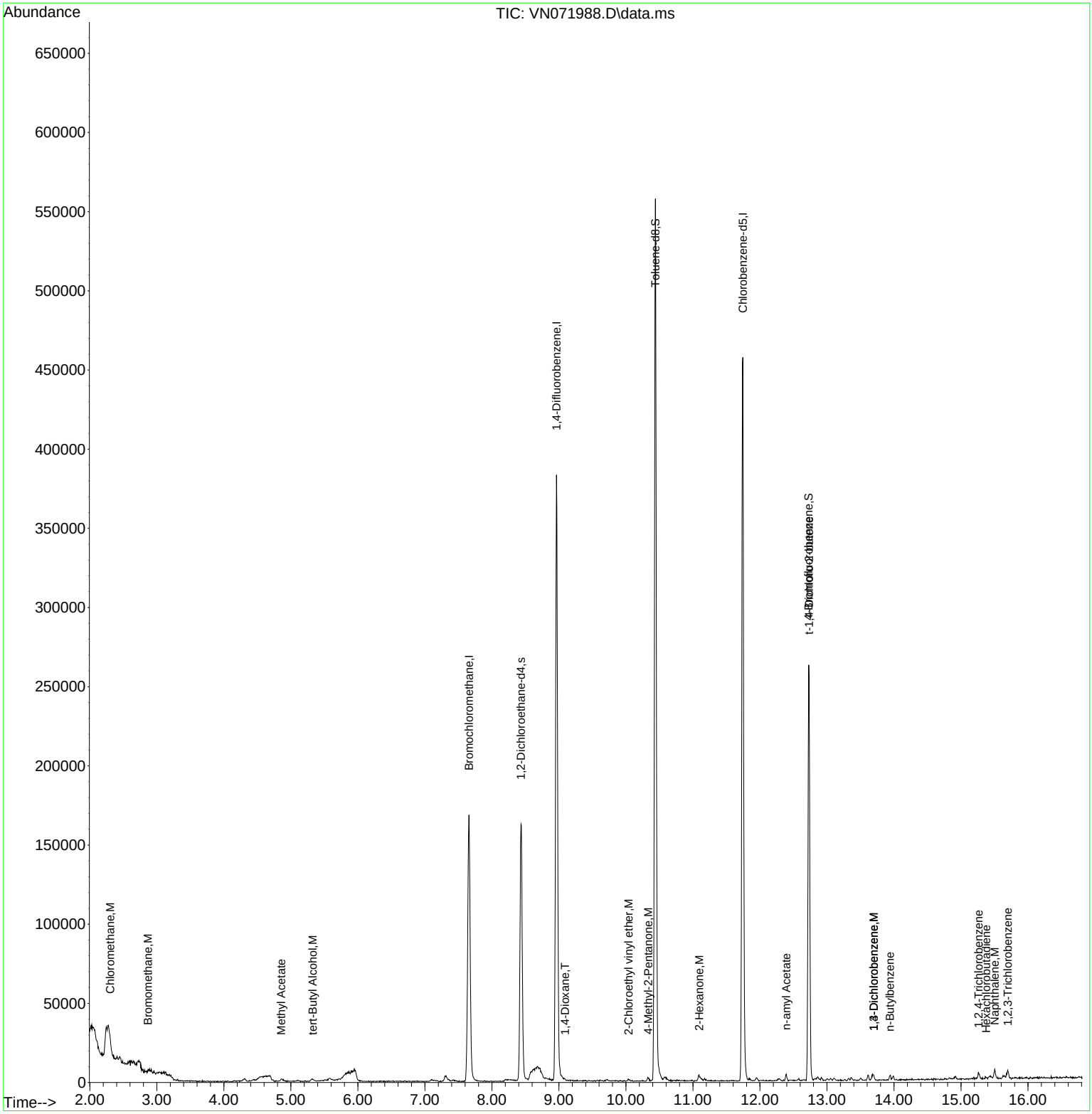
(#) = qualifier out of range (m) = manual integration (+) = signals summed

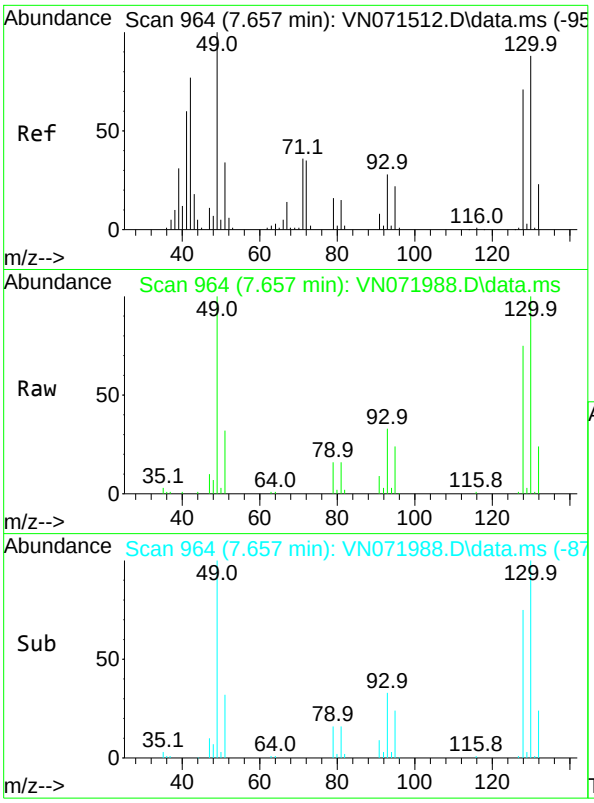
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041422\
Data File : VN071988.D
Acq On : 14 Apr 2022 11:02
Operator : JC\MD
Sample : VN0414WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 15 01:36:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 24 12:03:44 2022
Response via : Initial Calibration



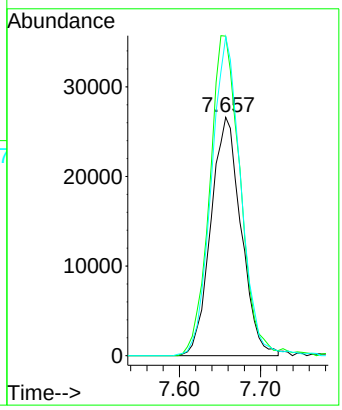


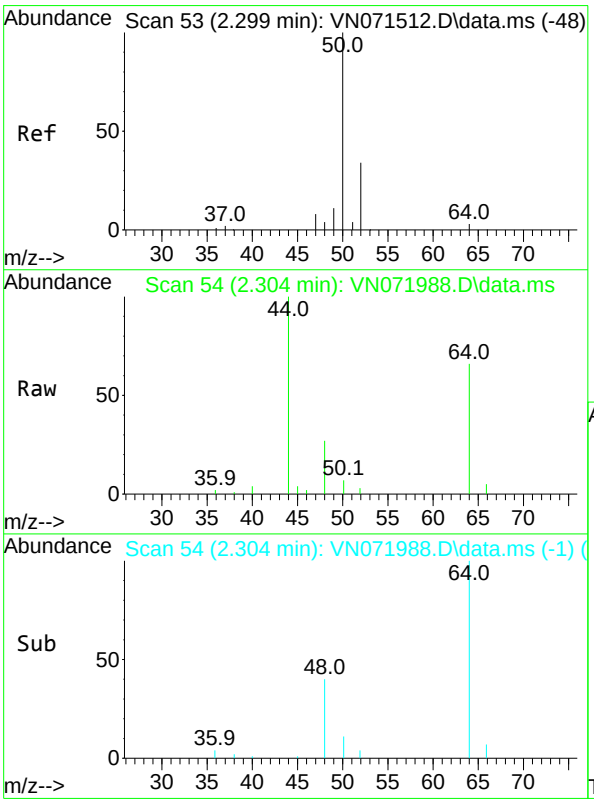
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN071988.D
Acq: 14 Apr 2022 11:02

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 68787

Ion	Ratio	Lower	Upper
128	100		
49	135.2	0.0	392.3
130	129.8	0.0	320.2

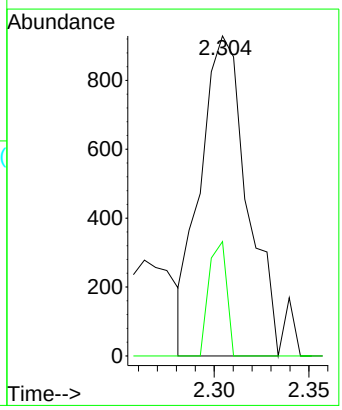


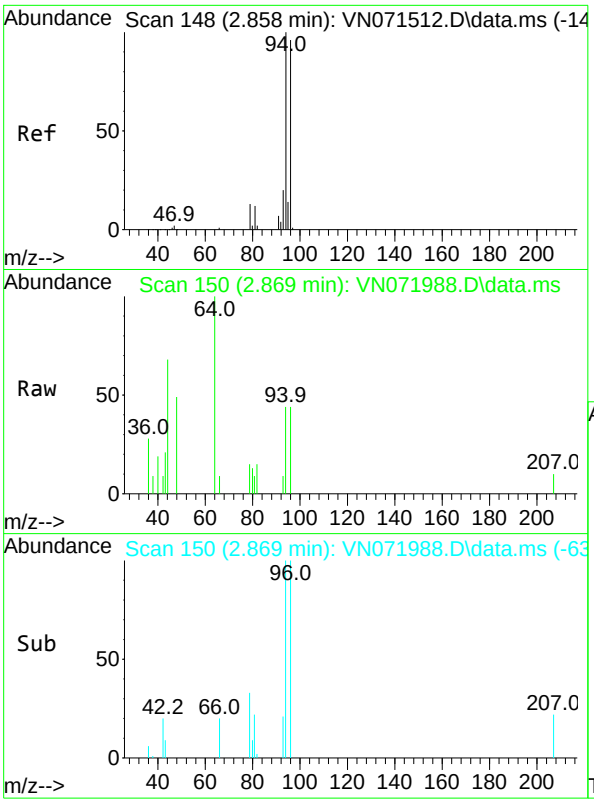


#3
Chloromethane
Concen: 0.317 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071988.D
Acq: 14 Apr 2022 11:02

Tgt Ion: 50 Resp: 1598

Ion	Ratio	Lower	Upper
50	100		
52	35.7	27.8	41.6



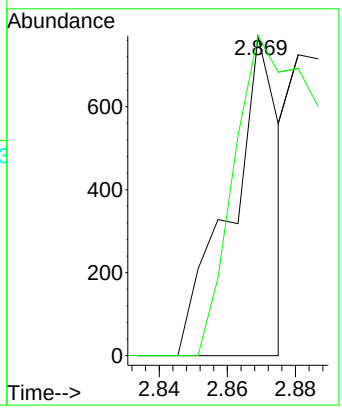


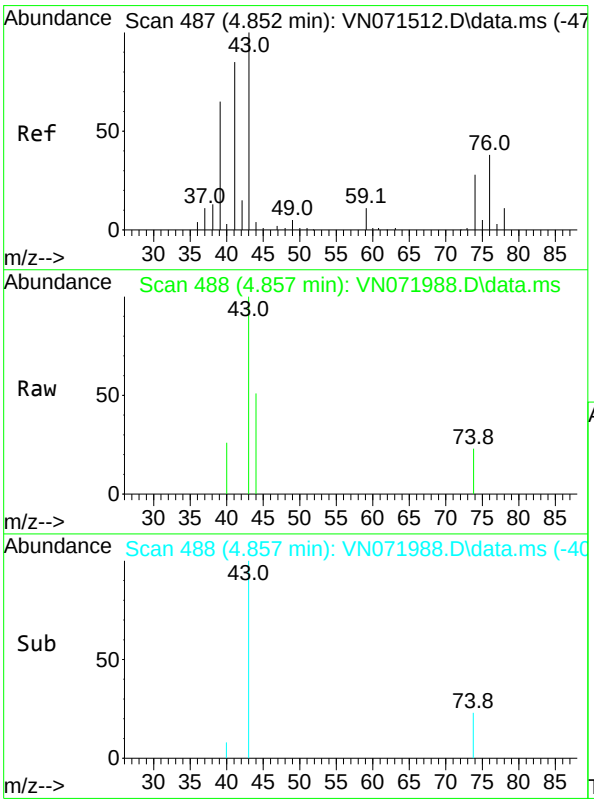
#5
Bromomethane
Concen: 0.226 ug/l
RT: 2.869 min Scan# 1
Delta R.T. 0.011 min
Lab File: VN071988.D
Acq: 14 Apr 2022 11:02

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 94 Resp: 771

Ion	Ratio	Lower	Upper
94	100		
96	100.3	75.2	112.8

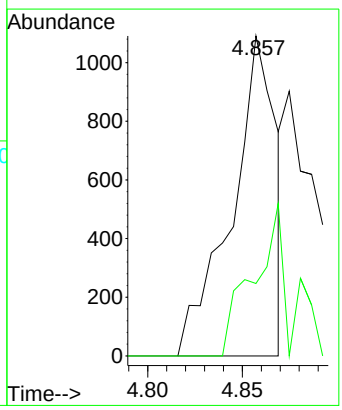


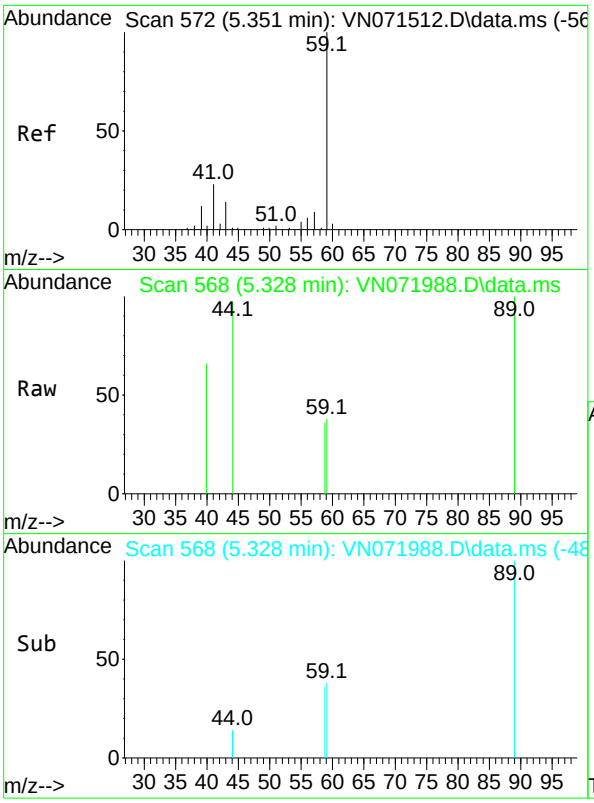


#12
Methyl Acetate
Concen: 0.315 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071988.D
Acq: 14 Apr 2022 11:02

Tgt Ion: 43 Resp: 1768

Ion	Ratio	Lower	Upper
43	100		
74	0.0	20.8	31.2#



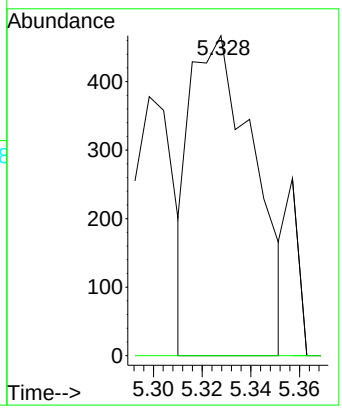


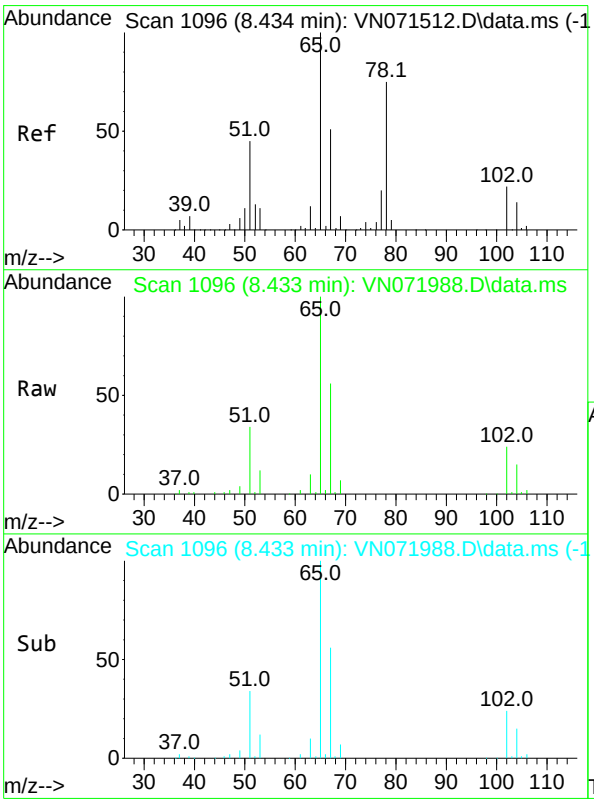
#23
tert-Butyl Alcohol
Concen: 0.930 ug/l
RT: 5.328 min Scan# 5
Delta R.T. -0.024 min
Lab File: VN071988.D
Acq: 14 Apr 2022 11:02

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 59 Resp: 844

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

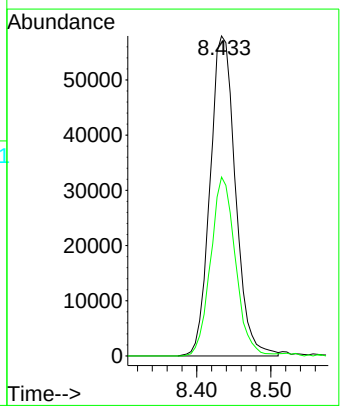


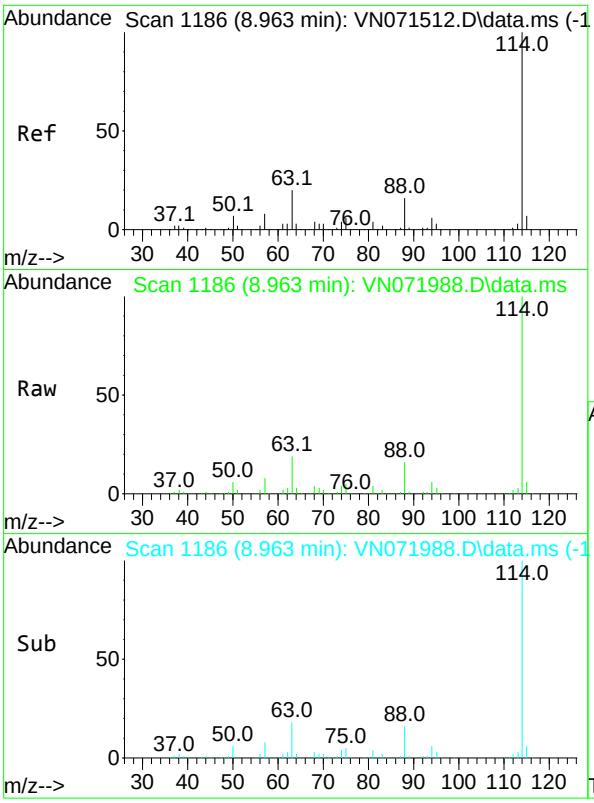


#27
1,2-Dichloroethane-d4
Concen: 28.451 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071988.D
Acq: 14 Apr 2022 11:02

Tgt Ion: 65 Resp: 137885

Ion	Ratio	Lower	Upper
65	100		
67	54.5	40.2	60.2



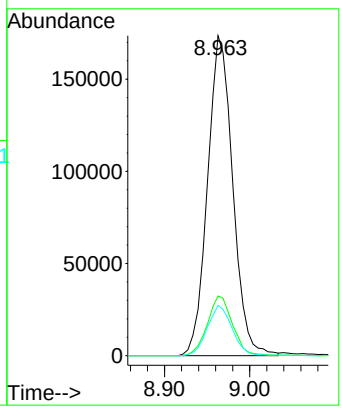


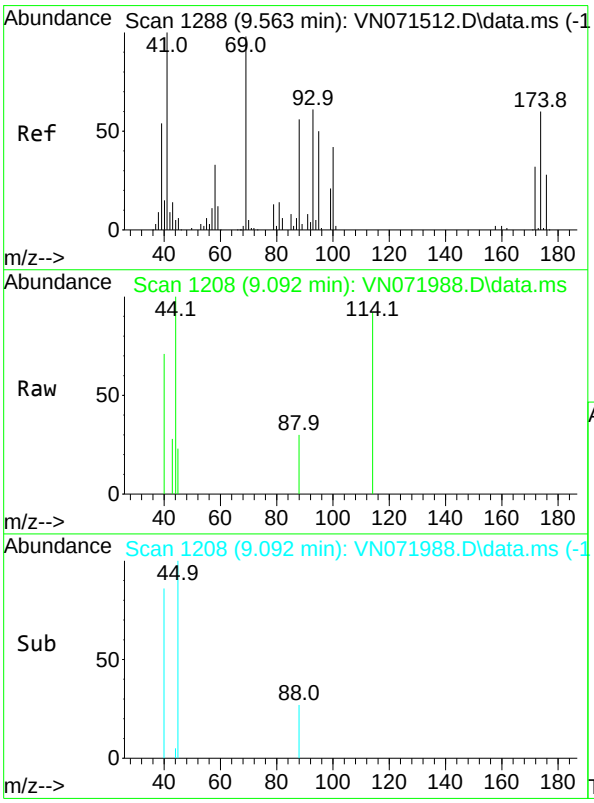
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071988.D
Acq: 14 Apr 2022 11:02

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:114 Resp: 357025

Ion	Ratio	Lower	Upper
114	100		
63	18.6	15.8	23.6
88	15.4	11.6	17.4

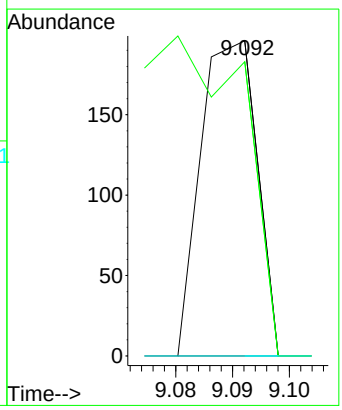


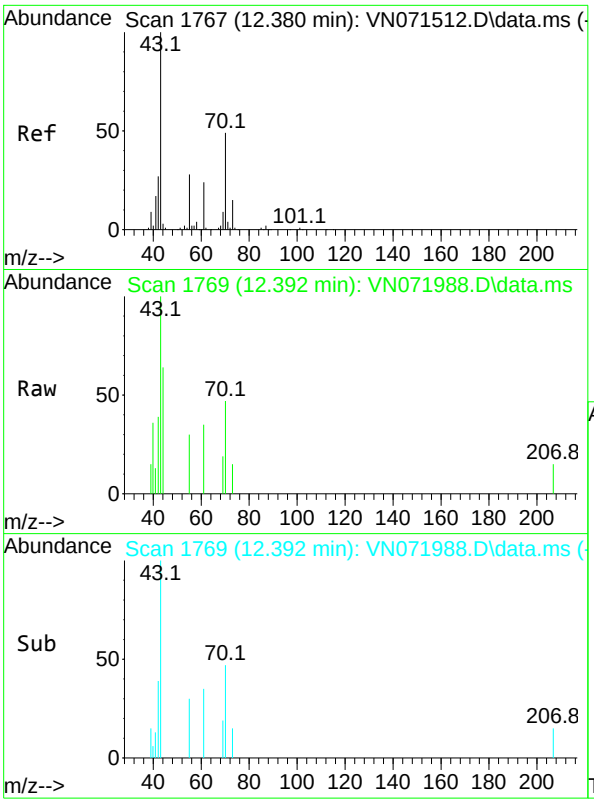


#45
1,4-Dioxane
Concen: 1.337 ug/l
RT: 9.092 min Scan# 1208
Delta R.T. -0.471 min
Lab File: VN071988.D
Acq: 14 Apr 2022 11:02

Tgt Ion: 88 Resp: 135

Ion	Ratio	Lower	Upper
88	100		
43	131.9	25.0	37.6#
58	0.0	49.4	74.2#



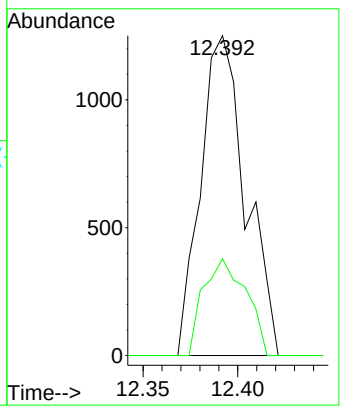


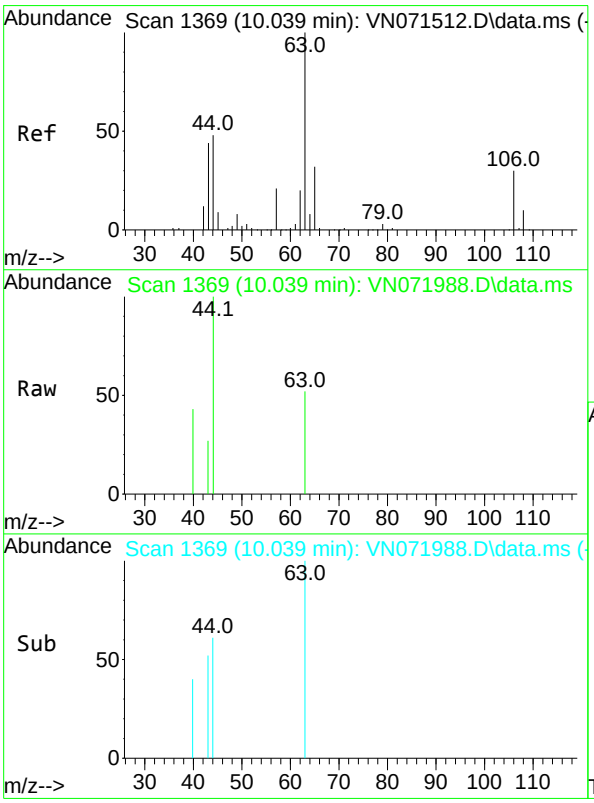
#47
n-amyl Acetate
Concen: 0.310 ug/l
RT: 12.392 min Scan# 1
Delta R.T. 0.011 min
Lab File: VN071988.D
Acq: 14 Apr 2022 11:02

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 2071

Ion	Ratio	Lower	Upper
43	100		
55	28.7	19.0	28.6#

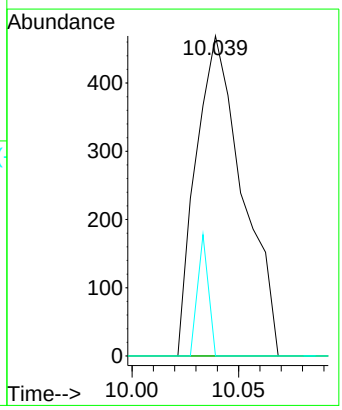


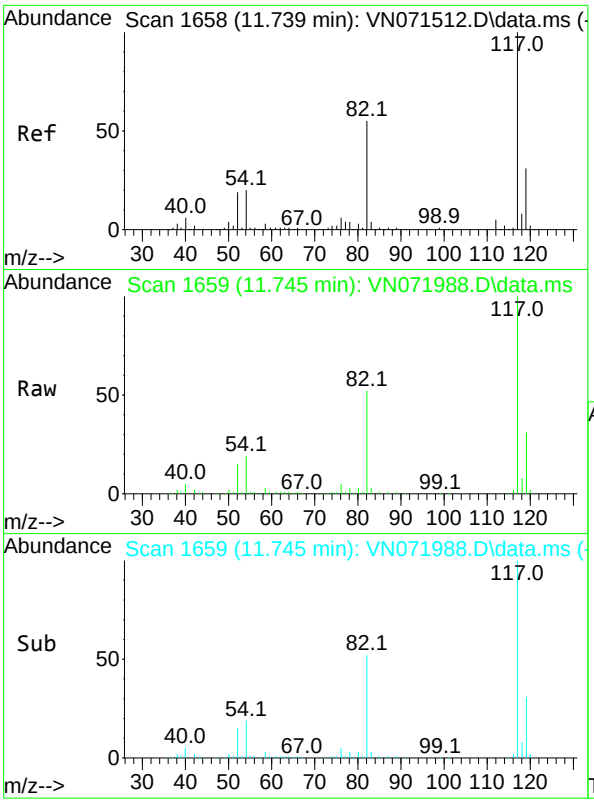


#55
2-Chloroethyl vinyl ether
Concen: 0.378 ug/l
RT: 10.039 min Scan# 1369
Delta R.T. -0.000 min
Lab File: VN071988.D
Acq: 14 Apr 2022 11:02

Tgt Ion: 63 Resp: 715

Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.4	38.0#
106	0.0	23.2	34.8#



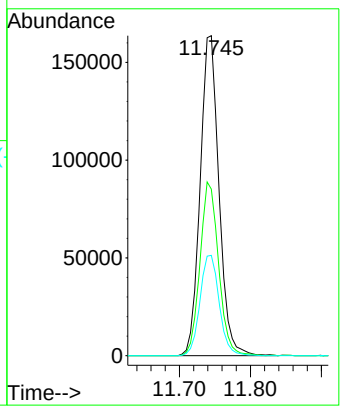


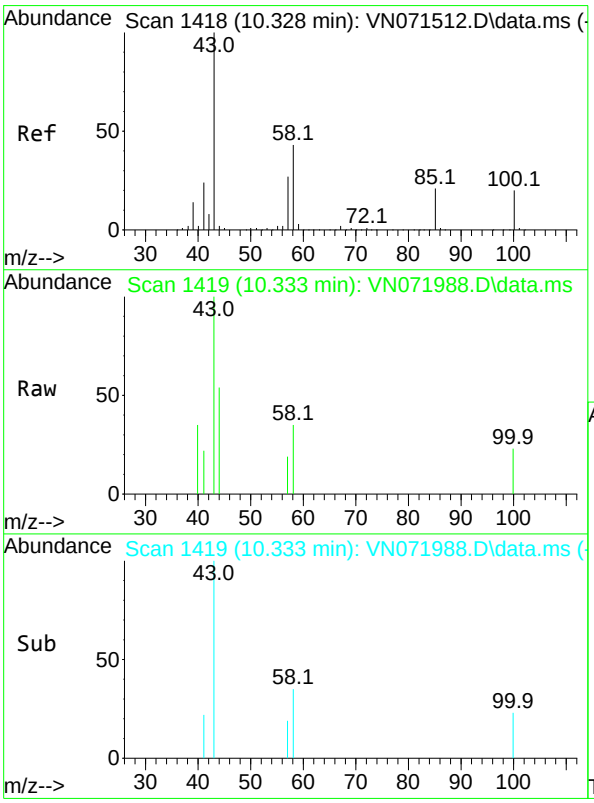
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.745 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN071988.D
Acq: 14 Apr 2022 11:02

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 301866

Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.6	65.4
119	32.1	25.8	38.6

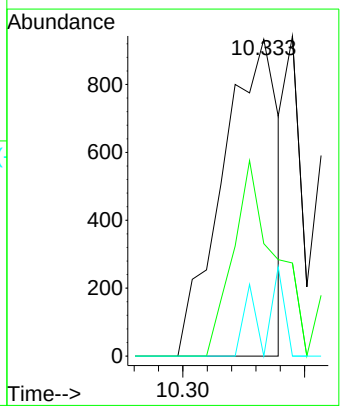


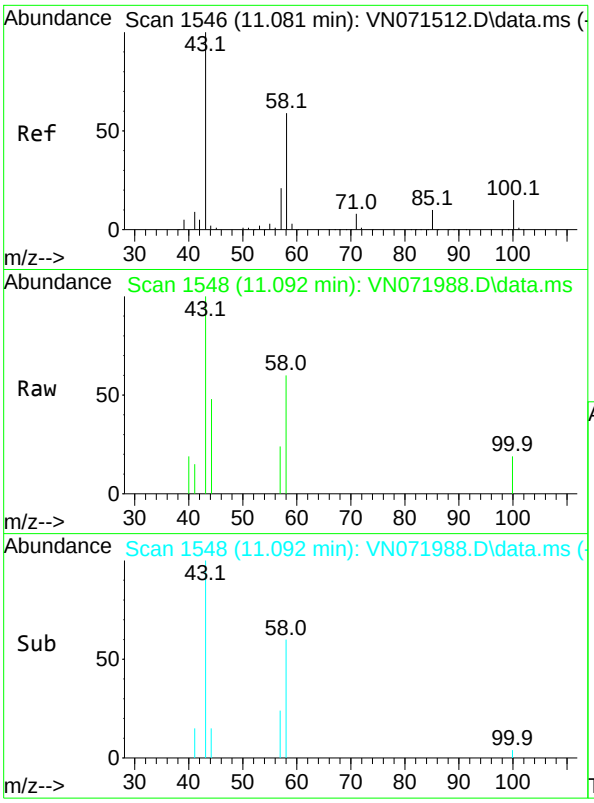


#58
4-Methyl-2-Pentanone
Concen: 0.259 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.006 min
Lab File: VN071988.D
Acq: 14 Apr 2022 11:02

Tgt Ion: 43 Resp: 1482

Ion	Ratio	Lower	Upper
43	100		
58	0.0	30.0	45.0#
85	6.3	15.0	22.6#



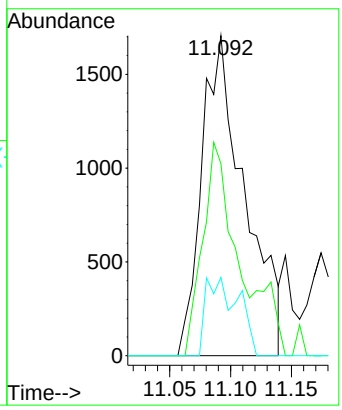


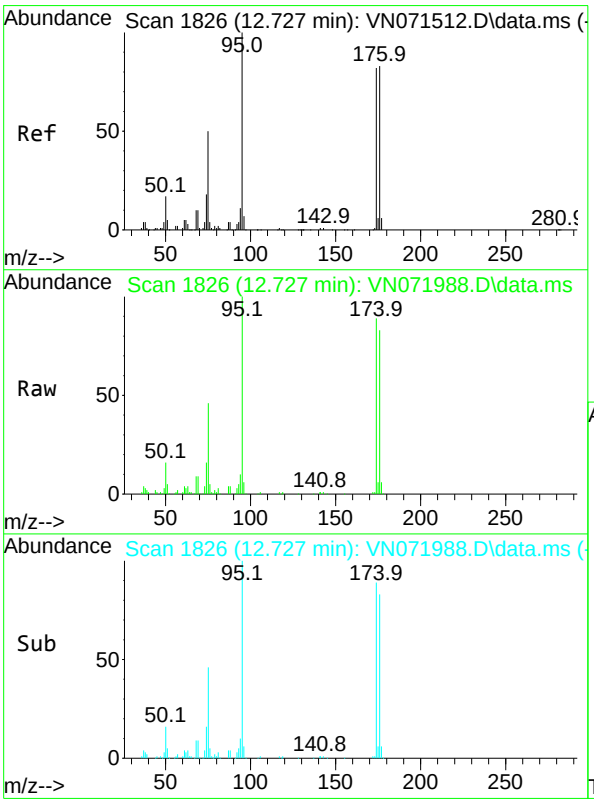
#59
2-Hexanone
Concen: 1.004 ug/l
RT: 11.092 min Scan# 1
Delta R.T. 0.011 min
Lab File: VN071988.D
Acq: 14 Apr 2022 11:02

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 4199

Ion	Ratio	Lower	Upper
43	100		
58	47.1	42.2	63.2
57	11.8	15.0	22.4#

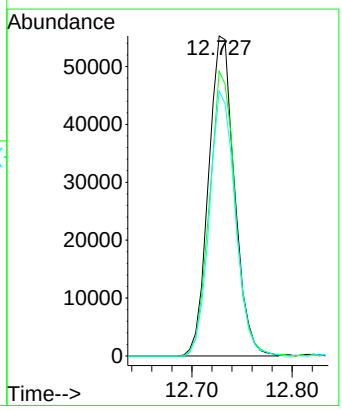


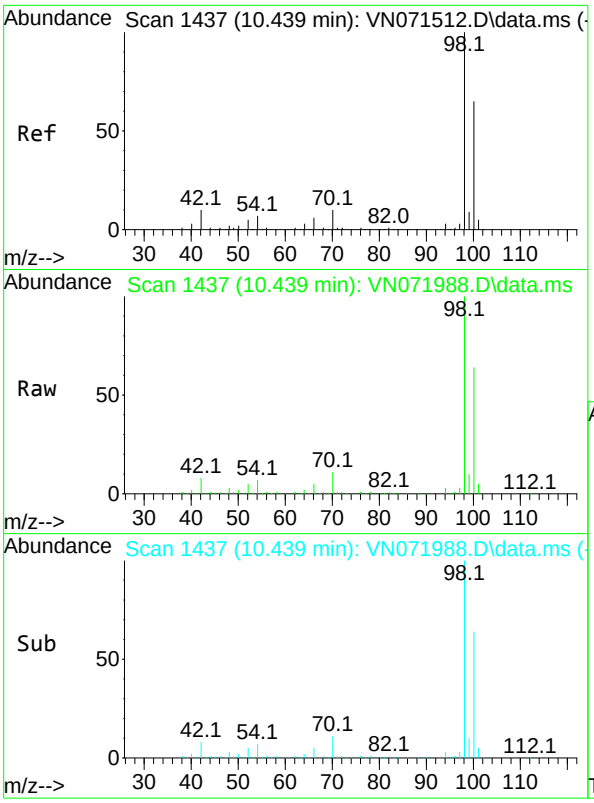


#60
4-Bromofluorobenzene
Concen: 22.176 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071988.D
Acq: 14 Apr 2022 11:02

Tgt Ion: 95 Resp: 99257

Ion	Ratio	Lower	Upper
95	100		
174	88.5	62.9	94.3
176	82.7	61.0	91.4



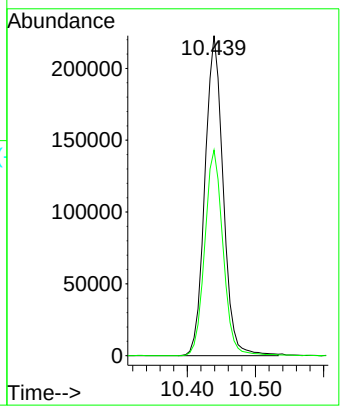


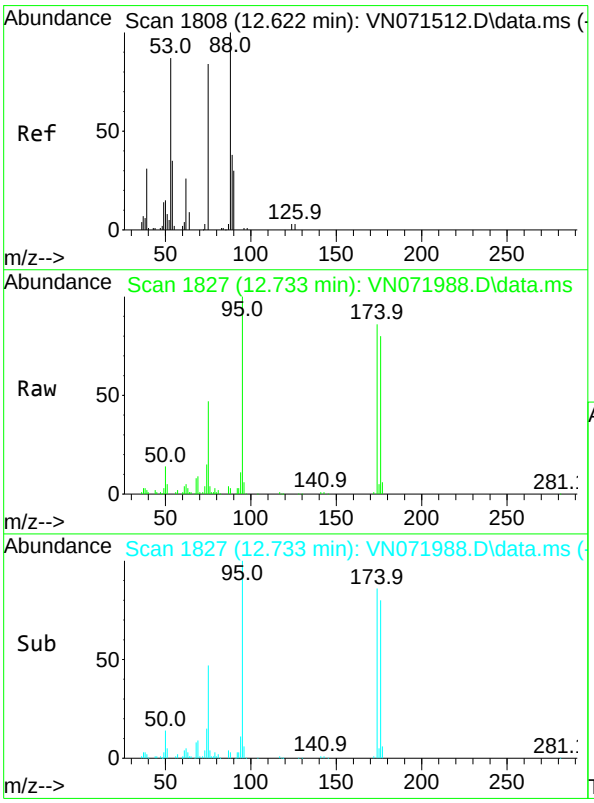
#63
Toluene-d8
Concen: 30.307 ug/l
RT: 10.439 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN071988.D
Acq: 14 Apr 2022 11:02

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 415293

Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.6	76.0

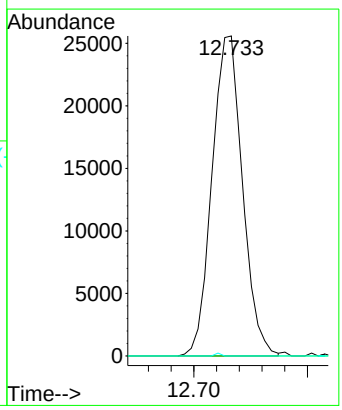


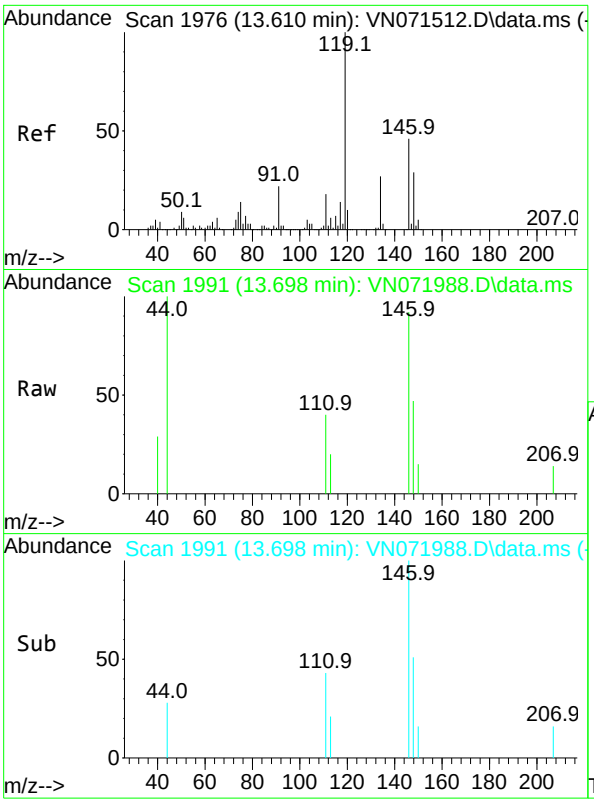


#77
t-1,4-Dichloro-2-butene
Concen: 25.153 ug/l
RT: 12.733 min Scan# 1827
Delta R.T. 0.111 min
Lab File: VN071988.D
Acq: 14 Apr 2022 11:02

Tgt Ion: 75 Resp: 47670

Ion	Ratio	Lower	Upper
75	100		
53	0.0	51.8	155.5#
89	0.0	22.9	68.7#



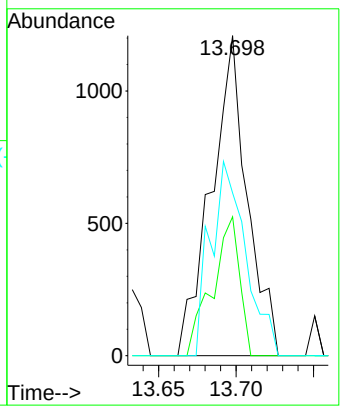


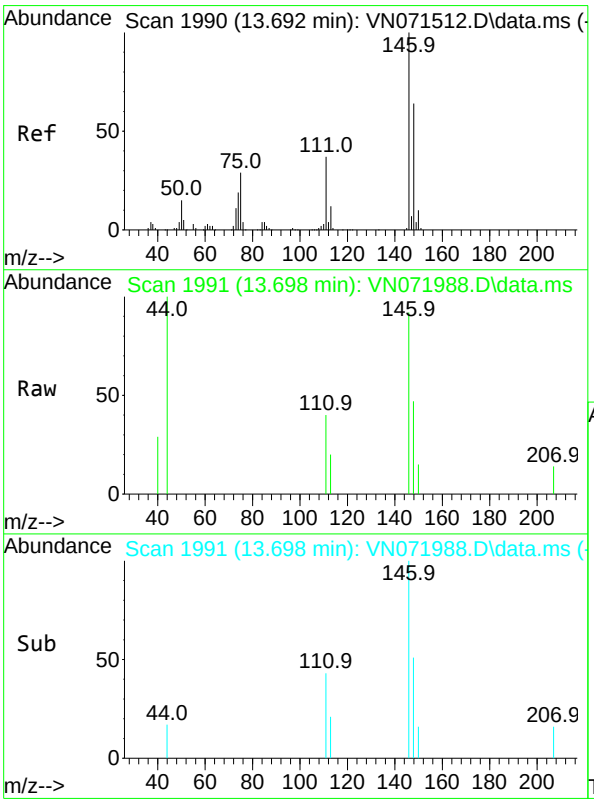
#83
1,3-Dichlorobenzene
Concen: 0.254 ug/l
RT: 13.698 min Scan# 1
Delta R.T. 0.088 min
Lab File: VN071988.D
Acq: 14 Apr 2022 11:02

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:146 Resp: 1955

Ion	Ratio	Lower	Upper
146	100		
111	32.7	20.8	62.2
148	59.2	31.4	94.3

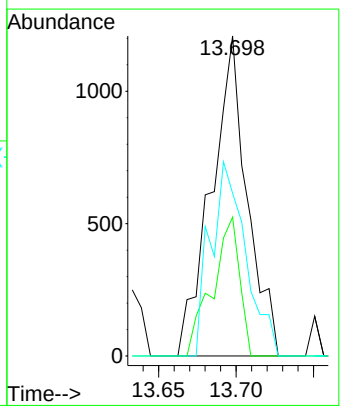


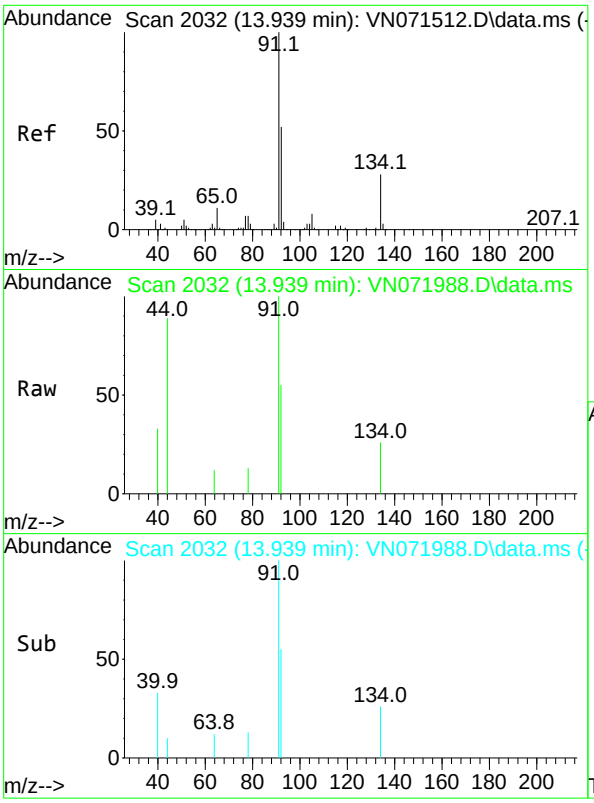


#84
1,4-Dichlorobenzene
Concen: 0.266 ug/l
RT: 13.698 min Scan# 1991
Delta R.T. 0.006 min
Lab File: VN071988.D
Acq: 14 Apr 2022 11:02

Tgt Ion:146 Resp: 1955

Ion	Ratio	Lower	Upper
146	100		
111	32.7	19.5	58.5
148	59.2	31.1	93.5



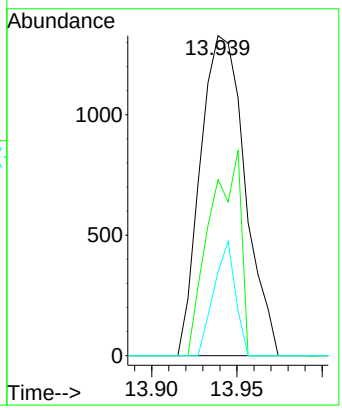


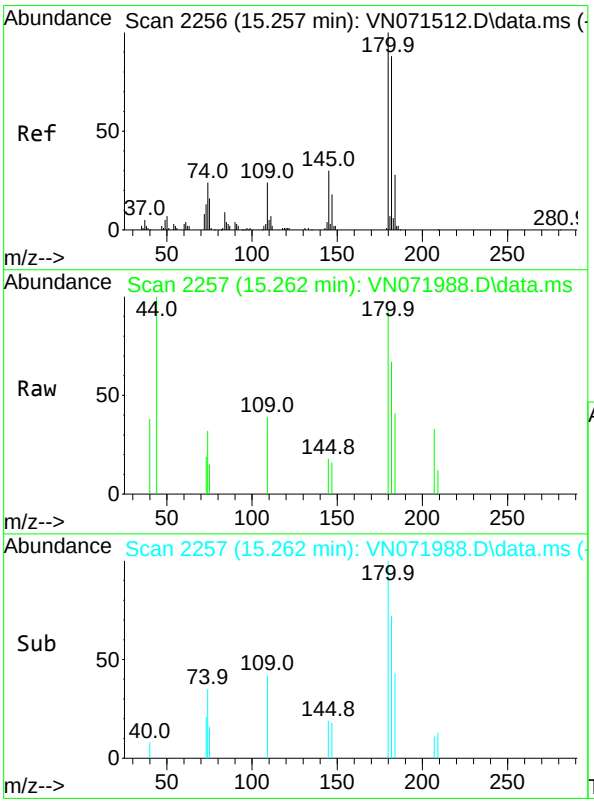
#85
n-Butylbenzene
Concen: 0.214 ug/l
RT: 13.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN071988.D
Acq: 14 Apr 2022 11:02

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 91 Resp: 2422

Ion	Ratio	Lower	Upper
91	100		
92	44.4	0.0	100.6
134	17.1	0.0	50.2

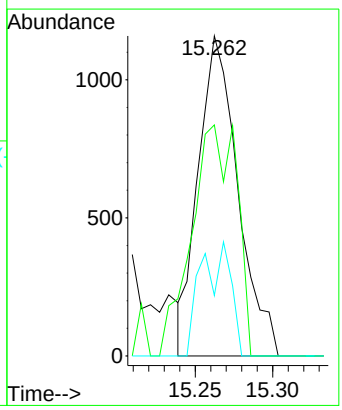


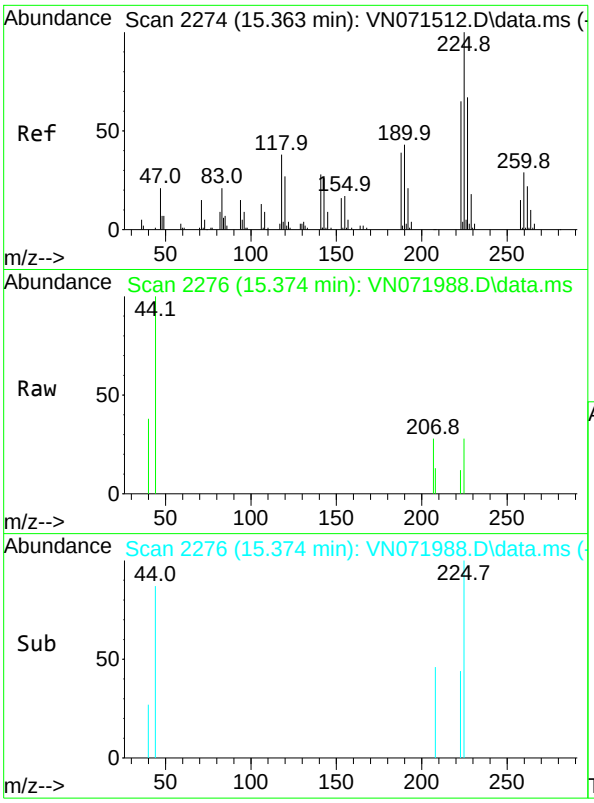


#89
1,2,4-Trichlorobenzene
Concen: 0.598 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.006 min
Lab File: VN071988.D
Acq: 14 Apr 2022 11:02

Tgt Ion:180 Resp: 2061

Ion	Ratio	Lower	Upper
180	100		
182	60.4	77.7	116.5#
145	11.4	26.6	39.8#



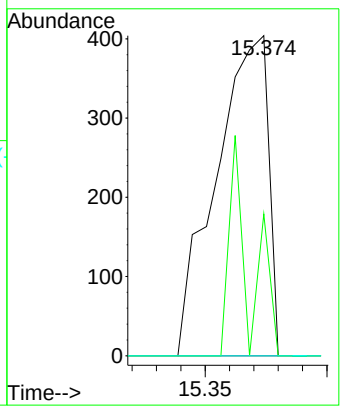


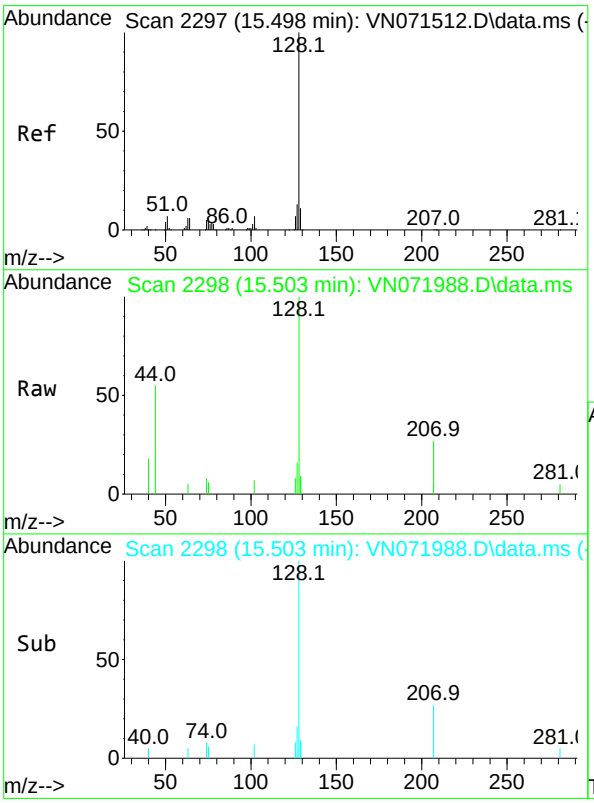
#90
Hexachlorobutadiene
Concen: 0.295 ug/l
RT: 15.374 min Scan# 2
Delta R.T. 0.011 min
Lab File: VN071988.D
Acq: 14 Apr 2022 11:02

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:225 Resp: 602

Ion	Ratio	Lower	Upper
225	100		
223	10.5	0.0	126.8
227	0.0	0.0	123.0

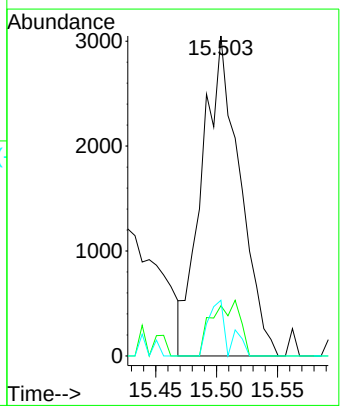


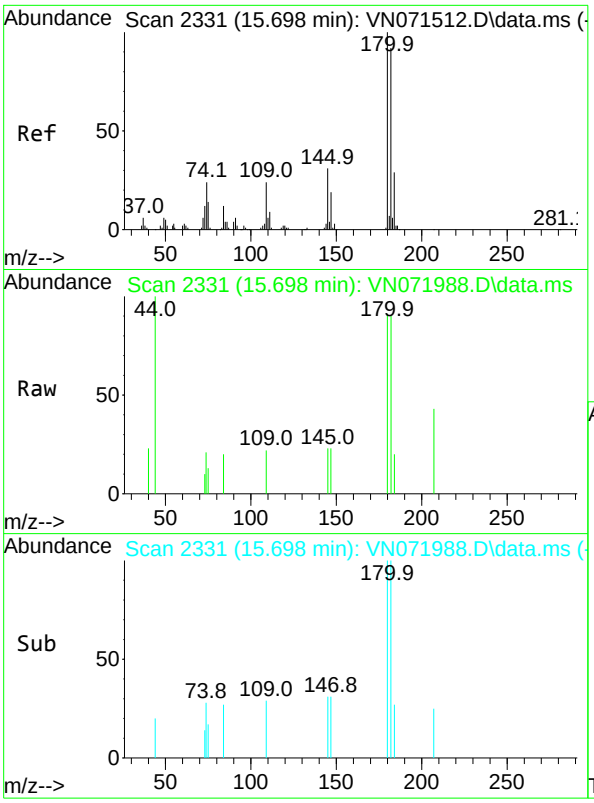


#91
Naphthalene
Concen: 7.373 ug/l
RT: 15.503 min Scan# 2298
Delta R.T. 0.005 min
Lab File: VN071988.D
Acq: 14 Apr 2022 11:02

Tgt Ion:128 Resp: 6591

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	7.0	9.0	13.6#





#92
1,2,3-Trichlorobenzene
Concen: 0.826 ug/l
RT: 15.698 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN071988.D
Acq: 14 Apr 2022 11:02

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:180 Resp: 2789

Ion	Ratio	Lower	Upper
180	100		
182	77.8	0.0	190.0
145	25.3	0.0	67.8