Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN102720\
Data File : VN064328.D
Acq On : 27 Oct 2020 16:04
Operator : JC/MD
Sample : L4214-09 2.5PPB MDL
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2020

Manual Integrations APPROVED
MMDadoda
10/28/2020 12:36:05 PM

Quant Time: Oct 28 05:52:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 28 05:08:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	241756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	406078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	360921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	152851	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	202750	52.19	ug/l	0.00
Spiked Amount 50.000			Recovery = 104.38%			
35) Dibromofluoromethane	7.55	113	138718	51.22	ug/l	0.00
Spiked Amount 50.000			Recovery = 102.44%			
50) Toluene-d8	10.06	98	483263	48.25	ug/l	0.00
Spiked Amount 50.000			Recovery = 96.50%			
62) 4-Bromofluorobenzene	12.38	95	181977	46.60	ug/l	0.00
Spiked Amount 50.000			Recovery = 93.20%			
Target Compounds						Qvalue
5) Bromomethane	2.53	94	6038m	3.216	ug/l	
10) Methyl Iodide	3.92	142	7066m	2.164	ug/l	
11) Tert butyl alcohol	4.73	59	5880m	10.426	ug/l	
13) Acrolein	3.58	56	3542	27.135	ug/l #	66
31) Cyclohexane	7.61	56	15774	3.498	ug/l #	65
81) trans-1,4-Dichloro-2-buten	12.27	75	3212m	2.528	ug/l	

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

Quantitation Report (QT Reviewed)

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Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

Manual Integrations APPROVED
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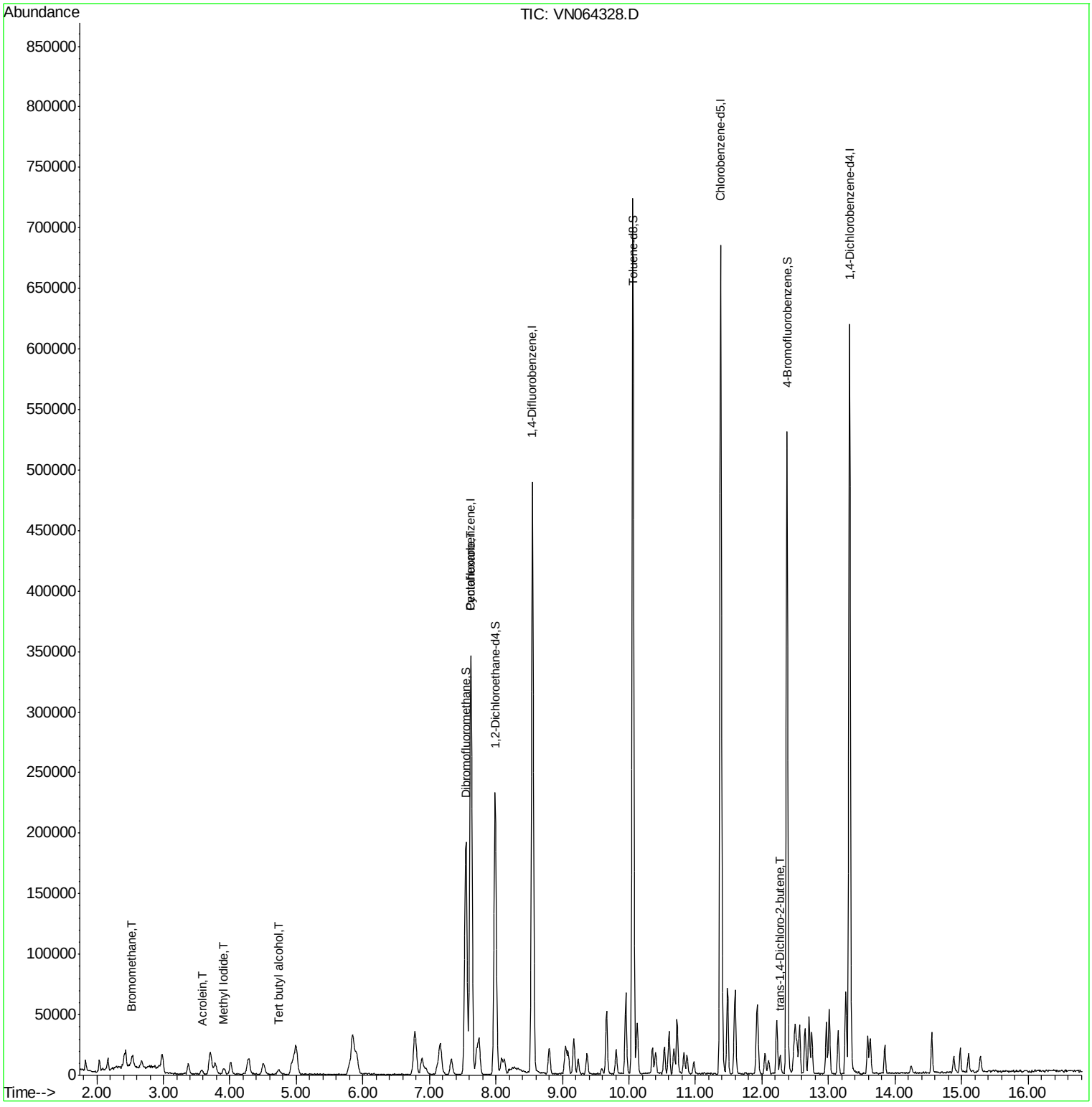
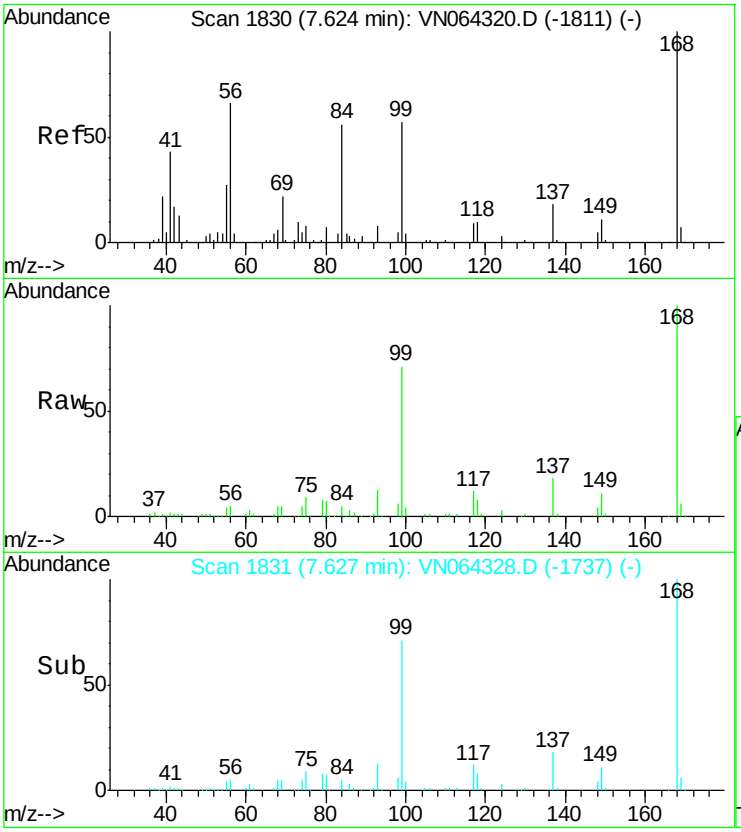
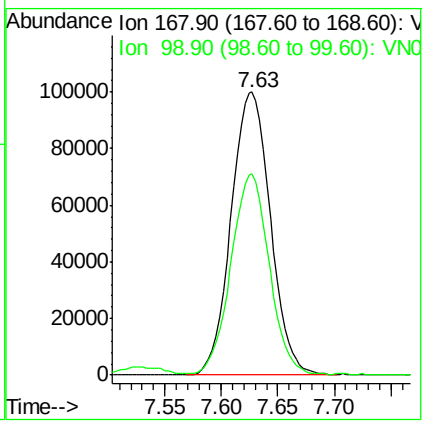




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN064328.D
Acq: 27 Oct 2020 16:04

Tgt Ion:168 Resp: 241756

Ion	Ratio	Lower	Upper
168	100		
99	70.7	52.7	79.1



Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

Manual Integrations APPROVED
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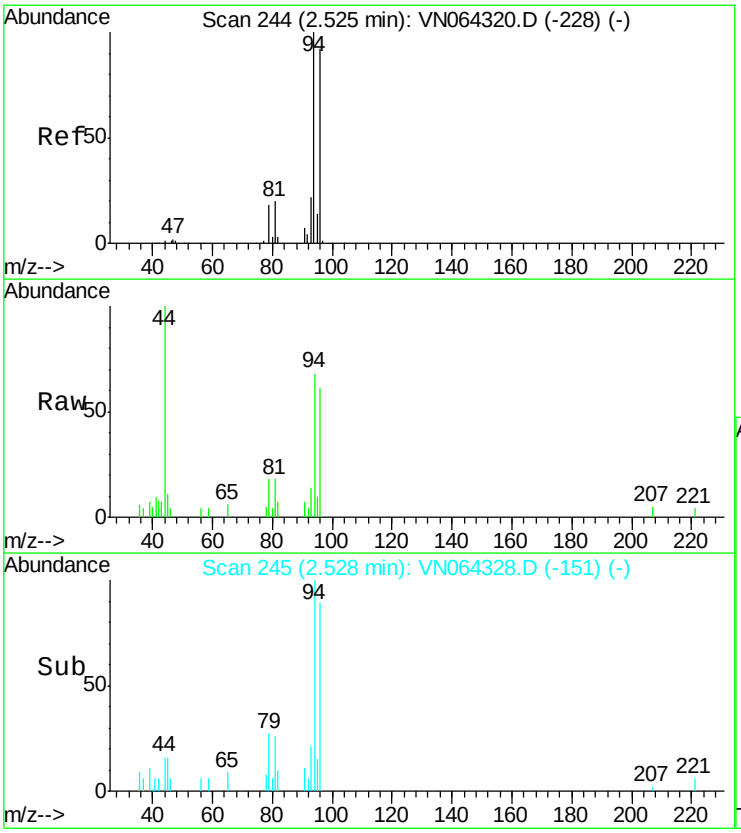
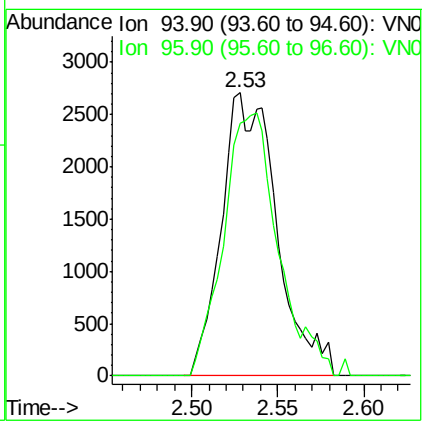
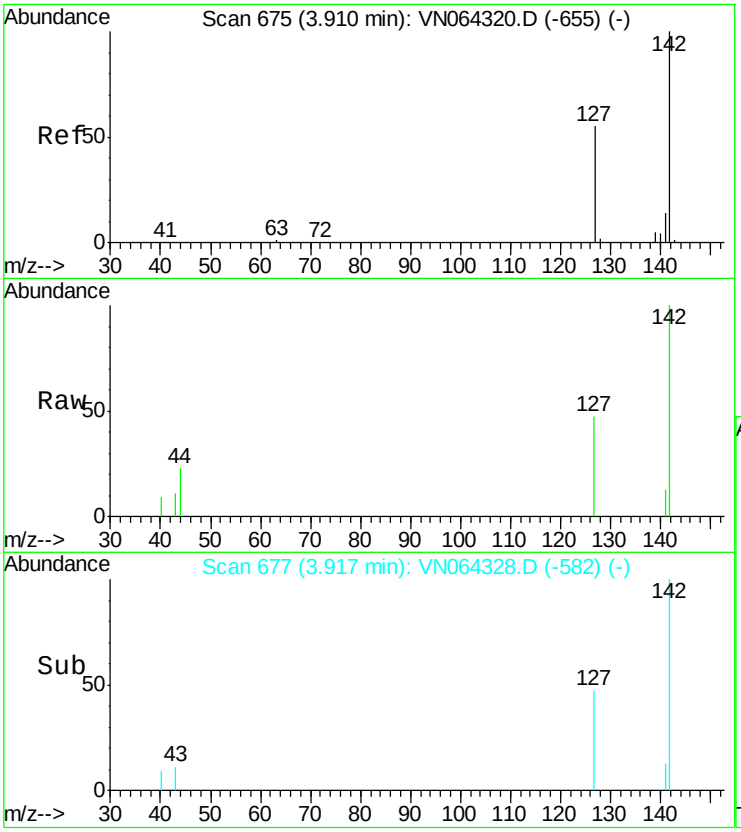


#5
Bromomethane
Concen: 3.216 ug/l m
RT: 2.53 min Scan# 245
Delta R.T. 0.00 min
Lab File: VN064328.D
Acq: 27 Oct 2020 16:04

Tgt Ion: 94 Resp: 6038

Ion	Ratio	Lower	Upper
94	100		
96	89.3	73.6	110.4

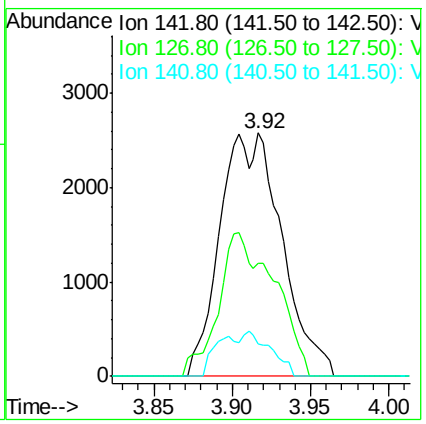




#10
Methyl Iodide
Concen: 2.164 ug/l m
RT: 3.92 min Scan# 677
Delta R.T. 0.01 min
Lab File: VN064328.D
Acq: 27 Oct 2020 16:04

Tgt Ion:142 Resp: 7066

Ion	Ratio	Lower	Upper
142	100		
127	31.7	43.3	64.9#
141	6.7	11.5	17.3#



Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

Manual Integrations APPROVED
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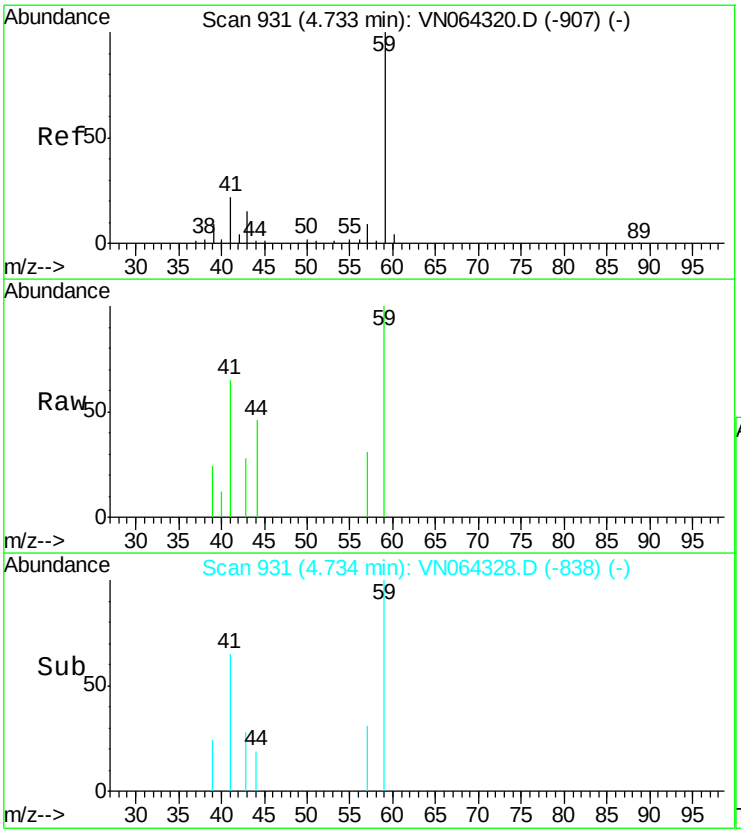
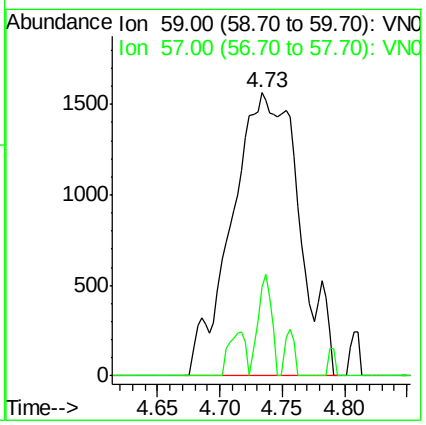
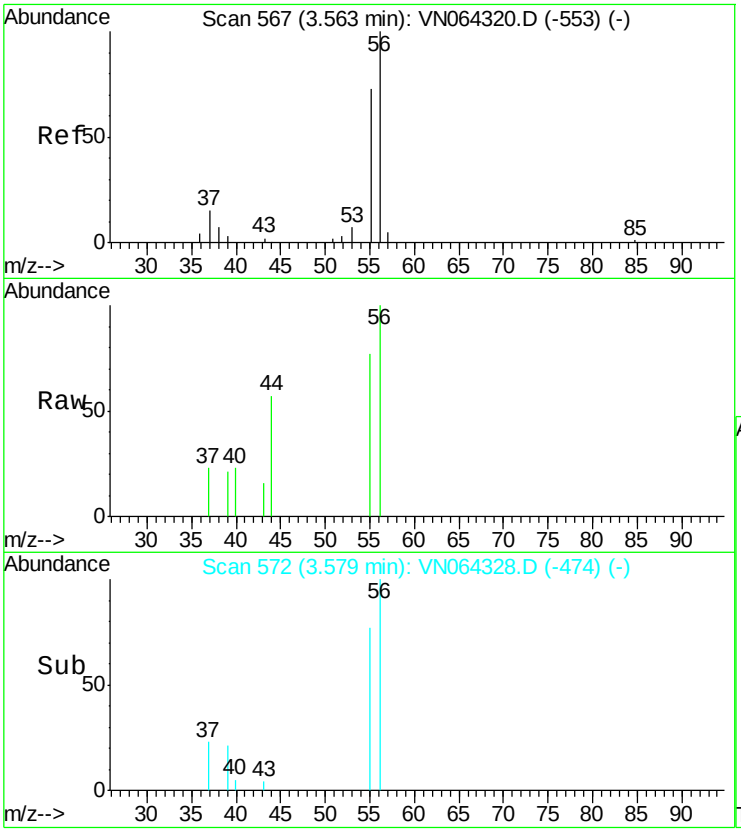


#11
Tert butyl alcohol
Concen: 10.426 ug/l m
RT: 4.73 min Scan# 931
Delta R.T. 0.00 min
Lab File: VN064328.D
Acq: 27 Oct 2020 16:04

Tgt Ion: 59 Resp: 5880

Ion	Ratio	Lower	Upper
59	100		
57	7.3	9.4	14.0#

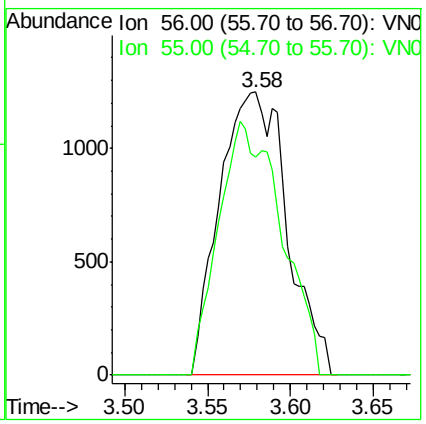




#13
Acrolein
Concen: 27.135 ug/l
RT: 3.58 min Scan# 572
Delta R.T. 0.02 min
Lab File: VN064328.D
Acq: 27 Oct 2020 16:04

Tgt Ion: 56 Resp: 3542

Ion	Ratio	Lower	Upper
56	100		
55	48.8	62.6	94.0#



Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

Manual Integrations APPROVED
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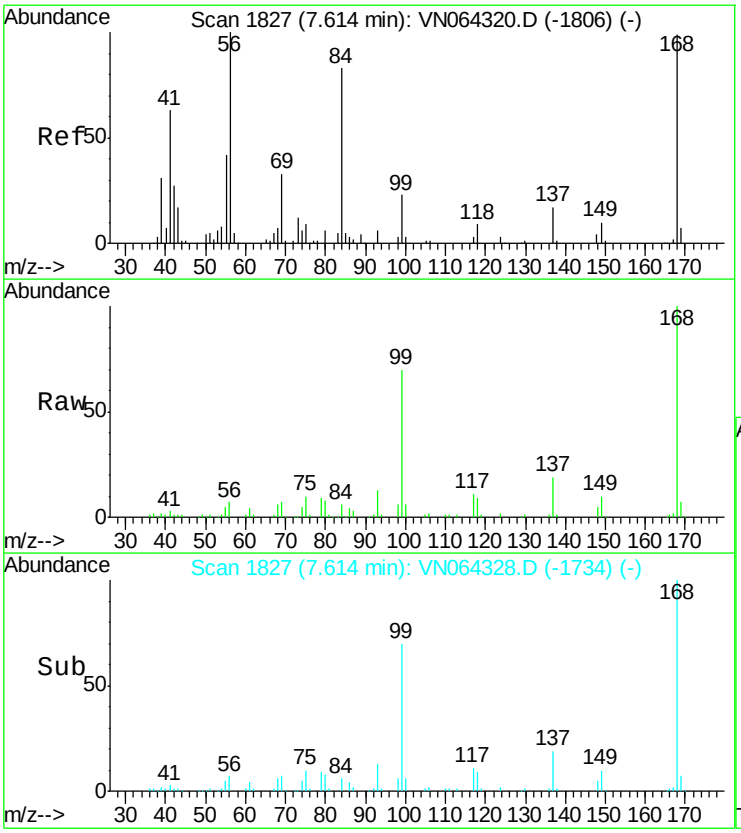
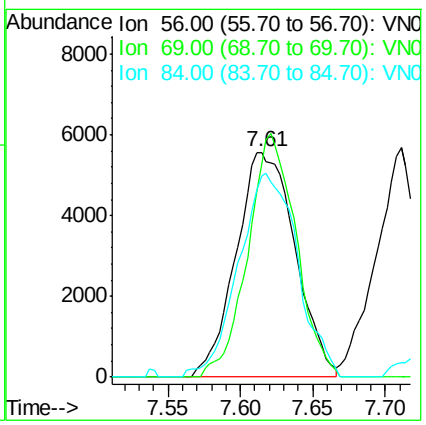
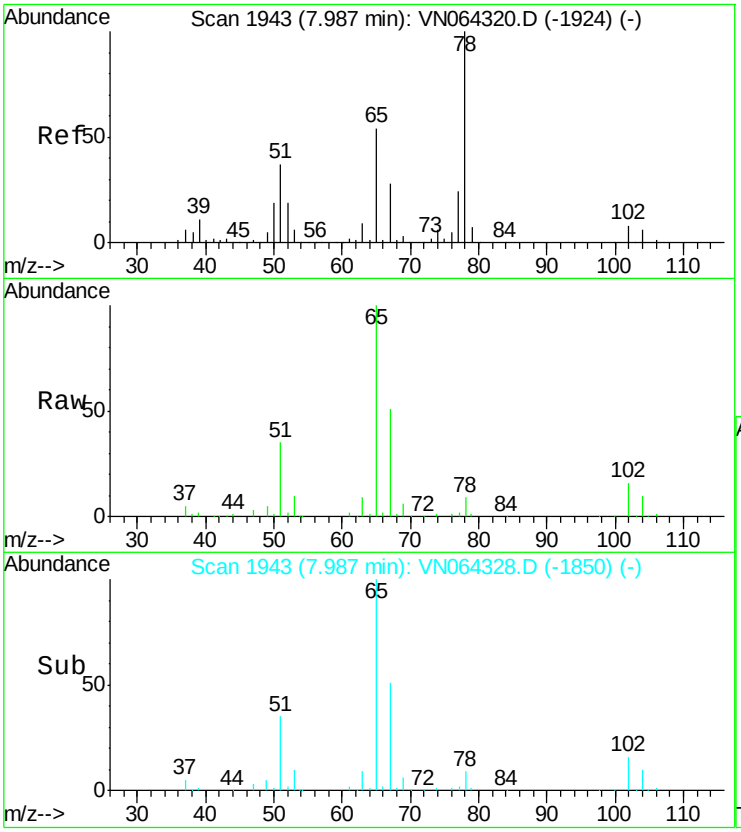


#31
Cyclohexane
Concen: 3.498 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064328.D
Acq: 27 Oct 2020 16:04

Tgt Ion: 56 Resp: 15774

Ion	Ratio	Lower	Upper
56	100		
69	95.7	25.8	38.8#
84	86.9	66.3	99.5





#33
1,2-Dichloroethane-d4
Concen: 52.188 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064328.D
Acq: 27 Oct 2020 16:04

Tgt Ion: 65 Resp: 202750

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	99.2

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

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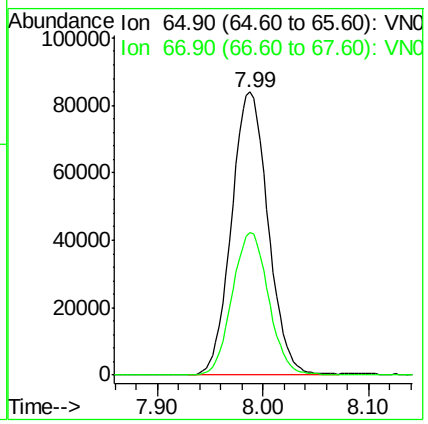
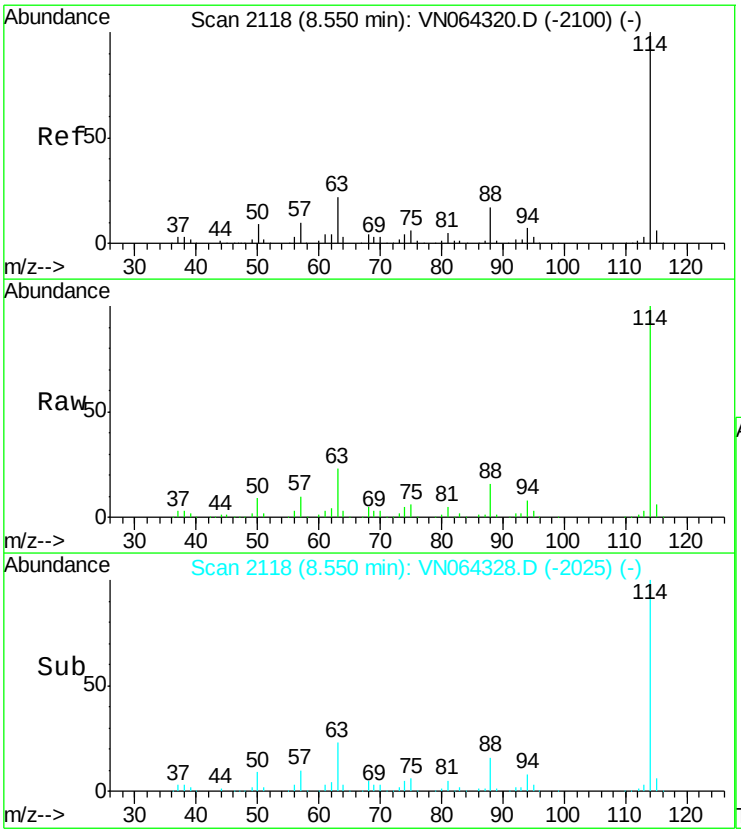
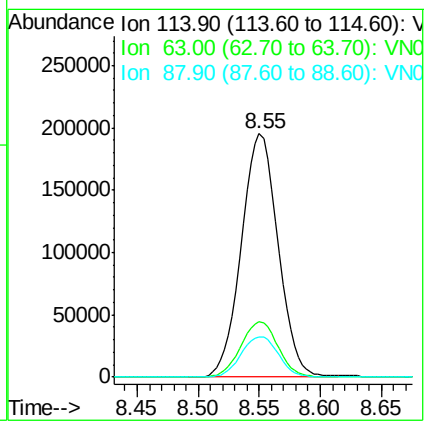


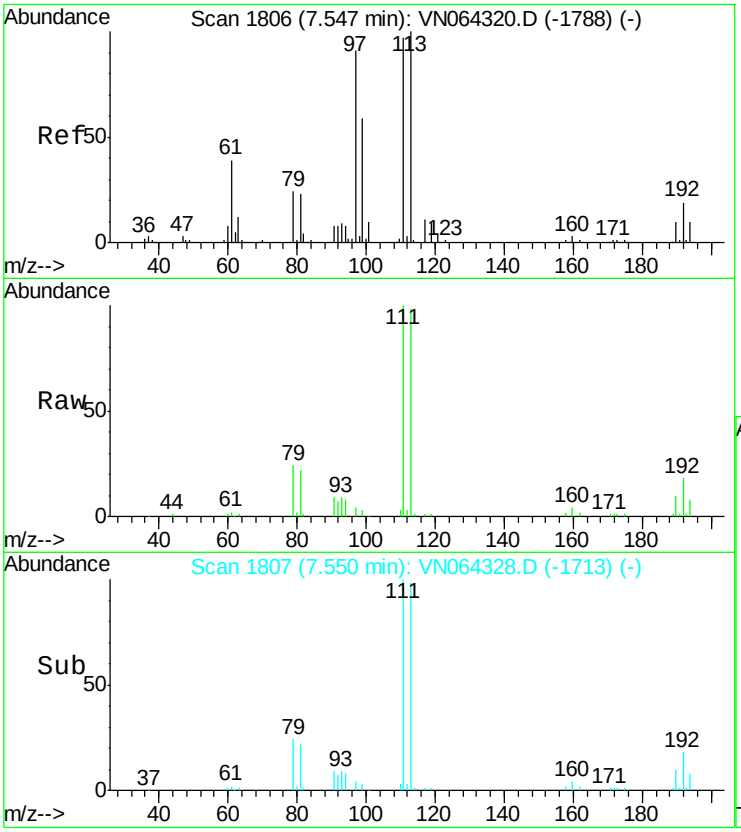


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN064328.D
Acq: 27 Oct 2020 16:04

Tgt Ion:114 Resp: 406078

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	44.6
88	16.2	0.0	33.4

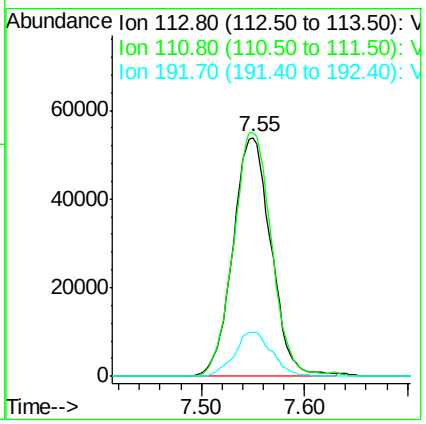




#35
Dibromofluoromethane
Concen: 51.225 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064328.D
Acq: 27 Oct 2020 16:04

Tgt Ion:113 Resp: 138718

Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.5	122.3
192	18.3	15.0	22.4



Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

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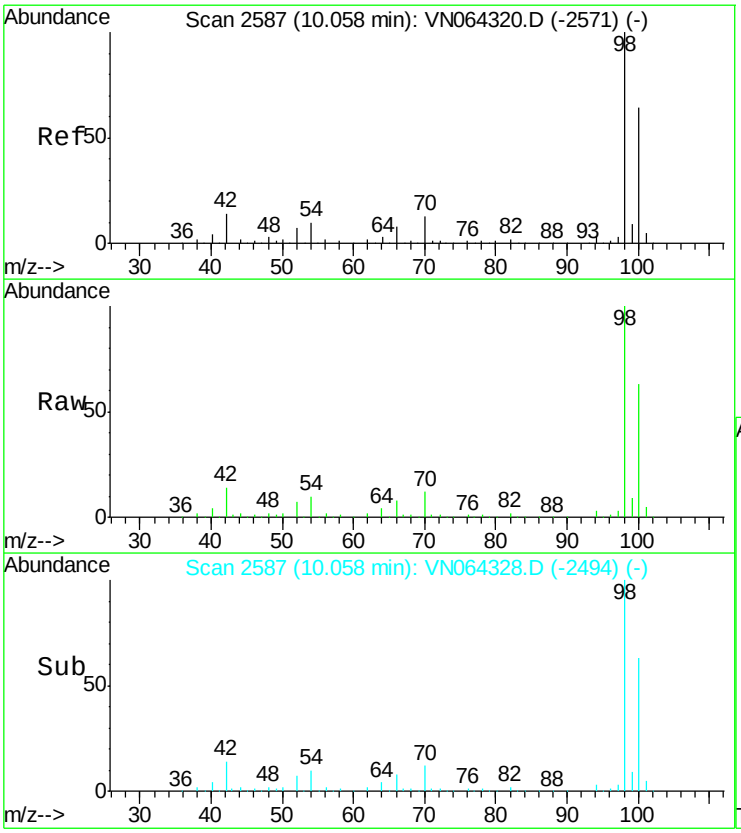
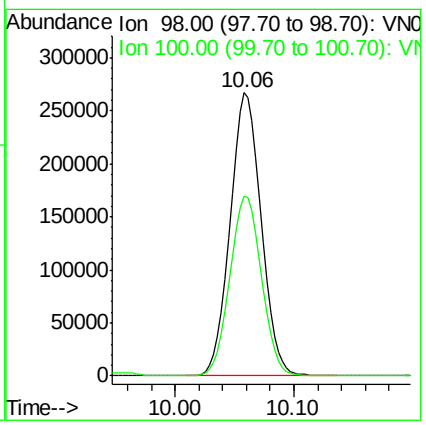
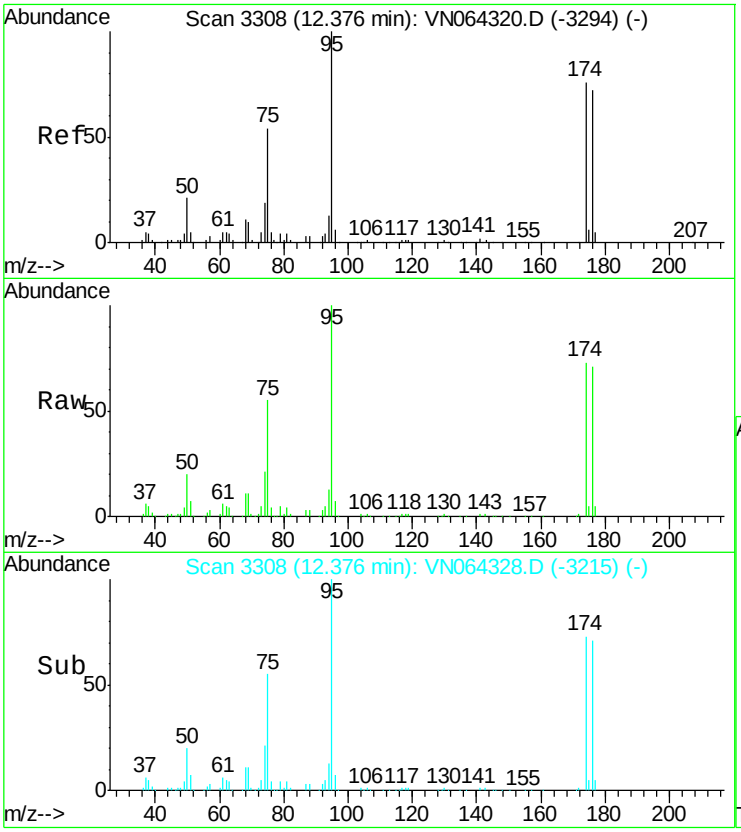


#50
Toluene-d8
Concen: 48.246 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064328.D
Acq: 27 Oct 2020 16:04

Tgt Ion: 98 Resp: 483263

Ion	Ratio	Lower	Upper
98	100		
100	64.6	50.9	76.3

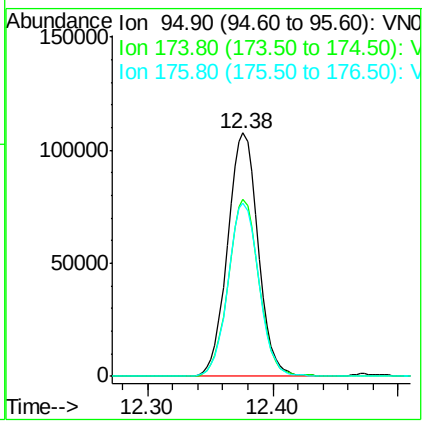




#62
4-Bromofluorobenzene
Concen: 46.596 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064328.D
Acq: 27 Oct 2020 16:04

Tgt Ion: 95 Resp: 181977

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	147.4
176	72.0	0.0	143.6



Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

Manual Integrations APPROVED
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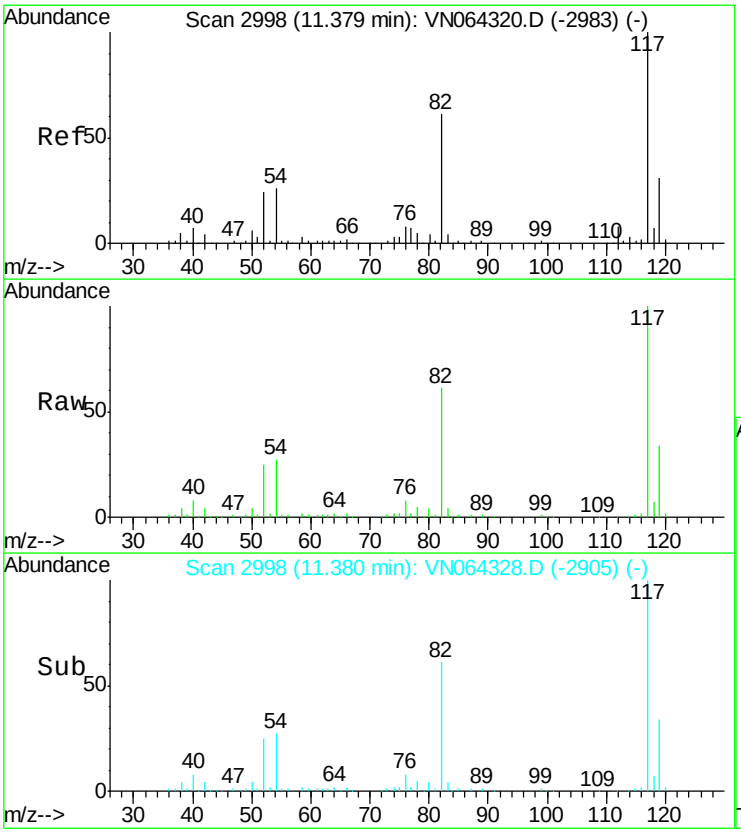
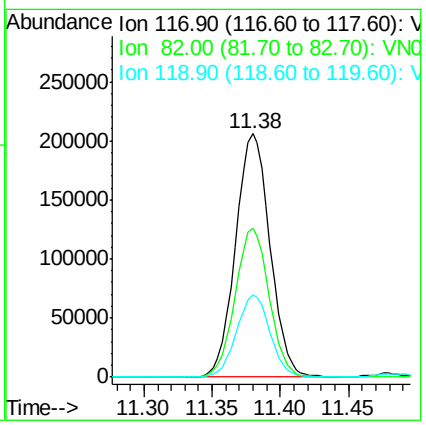
10/28/2020 12:36:05 PM

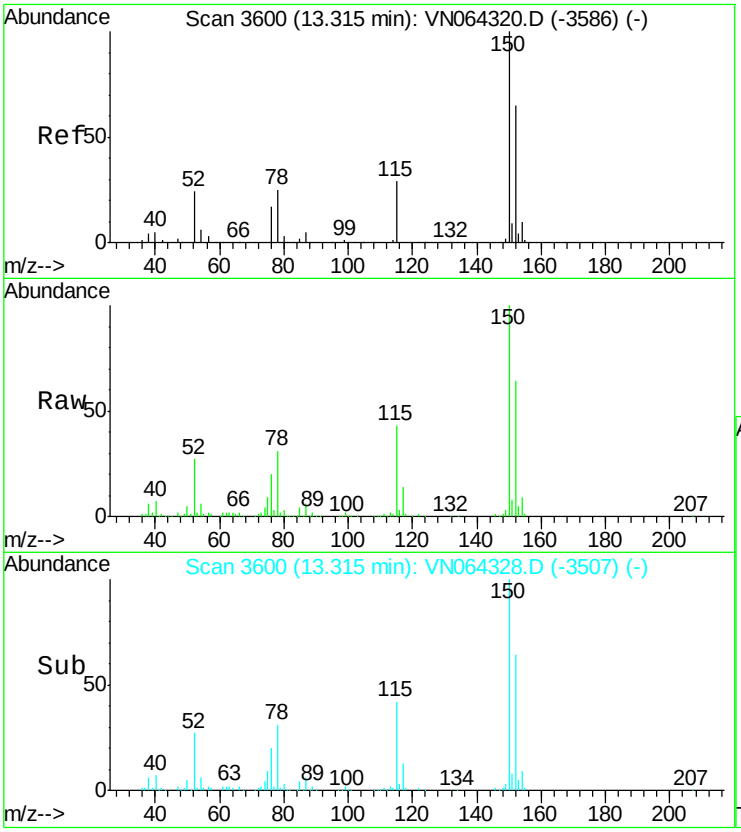


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064328.D
Acq: 27 Oct 2020 16:04

Tgt Ion:117 Resp: 360921

Ion	Ratio	Lower	Upper
117	100		
82	61.3	48.8	73.2
119	33.6	25.1	37.7





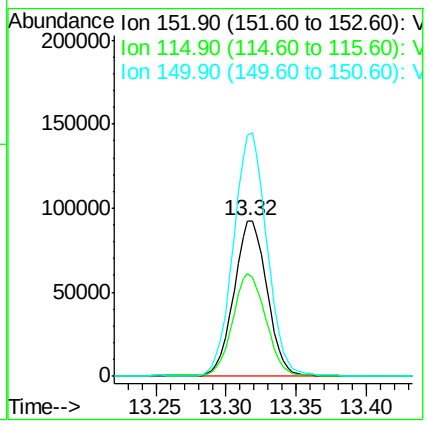
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN064328.D
Acq: 27 Oct 2020 16:04

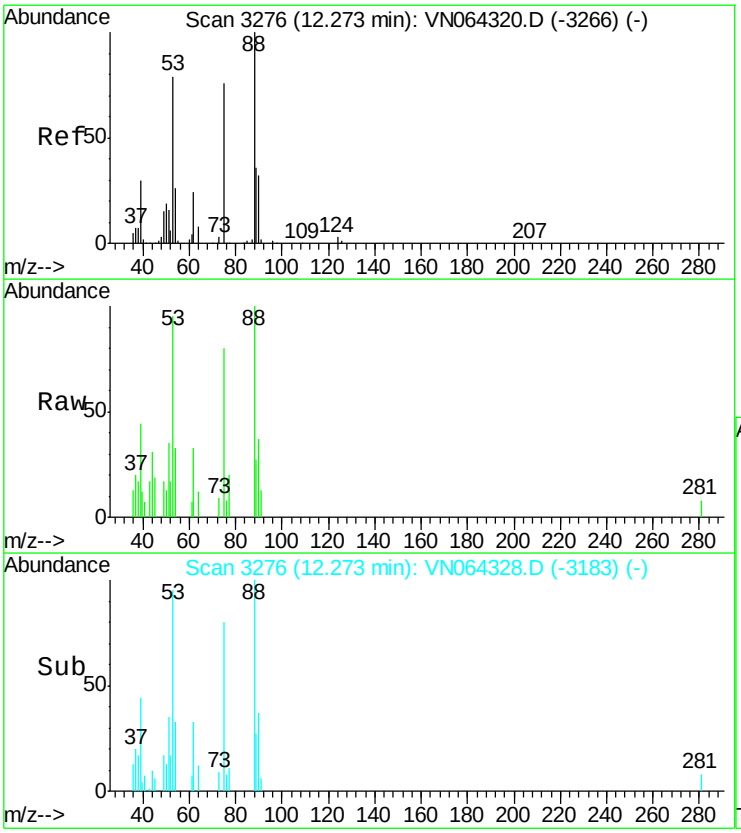
Tgt Ion:152 Resp: 152851

Ion	Ratio	Lower	Upper
152	100		
115	65.6	31.5	94.5
150	157.7	0.0	346.2

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

Manual Integrations APPROVED
MMDadoda
10/28/2020 12:36:05 PM





#81
trans-1,4-Dichloro-2-butene
Concen: 2.528 ug/l m
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064328.D
Acq: 27 Oct 2020 16:04

Tgt Ion: 75 Resp: 3212

Ion	Ratio	Lower	Upper
75	100		
53	0.0	81.8	122.8#
89	0.0	39.9	59.9#