Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122118\
Data File : VN053122.D
Acq On : 22 Dec 2018 00:17
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 32 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : VSTDCCC050EC

Manual Integrations APPROVED
MMDadoda
12/22/2018 10:50:21 AM

Quant Time: Dec 22 03:35:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1013826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1569885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1426065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	643624	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	554347	53.88	ug/l	0.00
Spiked Amount 50.000			Recovery = 107.76%			
35) Dibromofluoromethane	7.59	113	445183	62.08	ug/l	0.00
Spiked Amount 50.000			Recovery = 124.16%			
50) Toluene-d8	10.09	98	2000463	51.96	ug/l	0.00
Spiked Amount 50.000			Recovery = 103.92%			
62) 4-Bromofluorobenzene	12.40	95	700651	51.84	ug/l	0.00
Spiked Amount 50.000			Recovery = 103.68%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	475469	46.339	ug/l	100
3) Chloromethane	2.06	50	591068	47.537	ug/l	100
4) Vinyl Chloride	2.19	62	603335	47.912	ug/l	99
5) Bromomethane	2.57	94	364059	41.728	ug/l	99
6) Chloroethane	2.71	64	363265	48.708	ug/l	100
7) Trichlorofluoromethane	3.02	101	765500	48.798	ug/l	99
8) Diethyl Ether	3.41	74	315596	53.328	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	480871	48.078	ug/l	98
10) Methyl Iodide	3.96	142	672850	47.903	ug/l	99
11) Tert butyl alcohol	4.78	59	185167	294.965	ug/l	98
12) 1,1-Dichloroethene	3.74	96	471974	48.843	ug/l	99
13) Acrolein	3.61	56	176350	309.813	ug/l	98
14) Allyl chloride	4.33	41	728728	48.686	ug/l	98
15) Acrylonitrile	4.99	53	993278	284.810	ug/l	100
16) Acetone	3.82	43	635573	315.071	ug/l	97
17) Carbon Disulfide	4.06	76	1289208	40.910	ug/l	99
18) Methyl Acetate	4.33	43	524297	57.121	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1425082	55.109	ug/l	98
20) Methylene Chloride	4.56	84	553988	50.345	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	507527	48.885	ug/l	99
22) Diisopropyl ether	5.95	45	1719335	53.815	ug/l	99
23) Vinyl Acetate	5.90	43	5069857	275.961	ug/l	99
24) 1,1-Dichloroethane	5.85	63	973481	51.276	ug/l	99
25) 2-Butanone	6.84	43	1063626	314.179	ug/l	97
26) 2,2-Dichloropropane	6.83	77	567973	39.191	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	596281	50.731	ug/l	98
28) Bromochloromethane	7.20	49	433993	52.755	ug/l	96
29) Tetrahydrofuran	7.21	42	742197	293.537	ug/l	97
30) Chloroform	7.37	83	949579	50.916	ug/l	99
31) Cyclohexane	7.66	56	876342	49.200	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	795254	50.056	ug/l	99
36) 1,1-Dichloropropene	7.80	75	727005	48.248	ug/l	99
37) Ethyl Acetate	6.93	43	487808	57.991	ug/l	98
38) Carbon Tetrachloride	7.78	117	668219	48.382	ug/l	99

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 32 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
MMDadoda
12/22/2018 10:50:21 AM

Quant Time: Dec 22 03:35:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	834249	45.575	ug/l	99
40) Benzene	8.04	78	2255299	50.319	ug/l	99
41) Methacrylonitrile	7.18	41	273601	56.293	ug/l	98
42) 1,2-Dichloroethane	8.13	62	674173	50.917	ug/l	99
43) Isopropyl Acetate	8.17	43	899497	55.369	ug/l	98
44) Trichloroethene	8.84	130	617798	47.656	ug/l	98
45) 1,2-Dichloropropane	9.12	63	599575	51.358	ug/l	100
46) Dibromomethane	9.21	93	347961	51.165	ug/l	98
47) Bromodichloromethane	9.40	83	729199	50.442	ug/l	100
48) Methyl methacrylate	9.20	41	454485	55.679	ug/l	98
49) 1,4-Dioxane	9.20	88	108187	1047.788	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2458662	301.818	ug/l	99
52) Toluene	10.16	92	1410897	50.787	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	737662	48.526	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	845972	48.484	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	515376	53.176	ug/l	98
56) Ethyl methacrylate	10.43	69	721253	56.225	ug/l	97
57) 1,3-Dichloropropane	10.71	76	881608	53.046	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1952393	277.228	ug/l	98
59) 2-Hexanone	10.75	43	1677477	304.357	ug/l	99
60) Dibromochloromethane	10.90	129	567395	51.145	ug/l	99
61) 1,2-Dibromoethane	11.01	107	517073	52.532	ug/l	99
64) Tetrachloroethene	10.63	164	702415	45.471	ug/l	99
65) Chlorobenzene	11.44	112	1556283	49.231	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	545868	49.656	ug/l	100
67) Ethyl Benzene	11.51	91	2708498	49.821	ug/l	99
68) m/p-Xylenes	11.62	106	2024217	97.945	ug/l	100
69) o-Xylene	11.95	106	1000555	50.453	ug/l	100
70) Styrene	11.96	104	1646101	50.904	ug/l	99
71) Bromoform	12.13	173	395194	49.763	ug/l	100
73) Isopropylbenzene	12.25	105	2636742	52.360	ug/l	100
74) N-amyl acetate	12.07	43	815688	58.342	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	605959	61.335	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	503170m	46.440	ug/l	
77) Bromobenzene	12.53	156	677260	51.738	ug/l	99
78) n-propylbenzene	12.59	91	2937766	51.222	ug/l	100
79) 2-Chlorotoluene	12.68	91	1732912	48.745	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2063601	50.275	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	162747	48.414	ug/l	98
82) 4-Chlorotoluene	12.78	91	1765659	50.737	ug/l	100
83) tert-Butylbenzene	12.99	119	1803469	49.680	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2077374	50.345	ug/l	100
85) sec-Butylbenzene	13.17	105	2370834	48.285	ug/l	100
86) p-Isopropyltoluene	13.29	119	2022115	47.660	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1126869	48.639	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1110462	47.330	ug/l	100
89) n-Butylbenzene	13.62	91	1624423	44.503	ug/l	100
90) Hexachloroethane	13.88	117	314810	48.351	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1060092	48.618	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	88765	51.963	ug/l	99

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Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 32 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
MMDadoda
12/22/2018 10:50:21 AM

Quant Time: Dec 22 03:35:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	513961	44.556	ug/l	100
94) Hexachlorobutadiene	15.01	225	294271	49.149	ug/l	100
95) Naphthalene	15.14	128	1218010	48.175	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	475404	45.743	ug/l	100

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

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Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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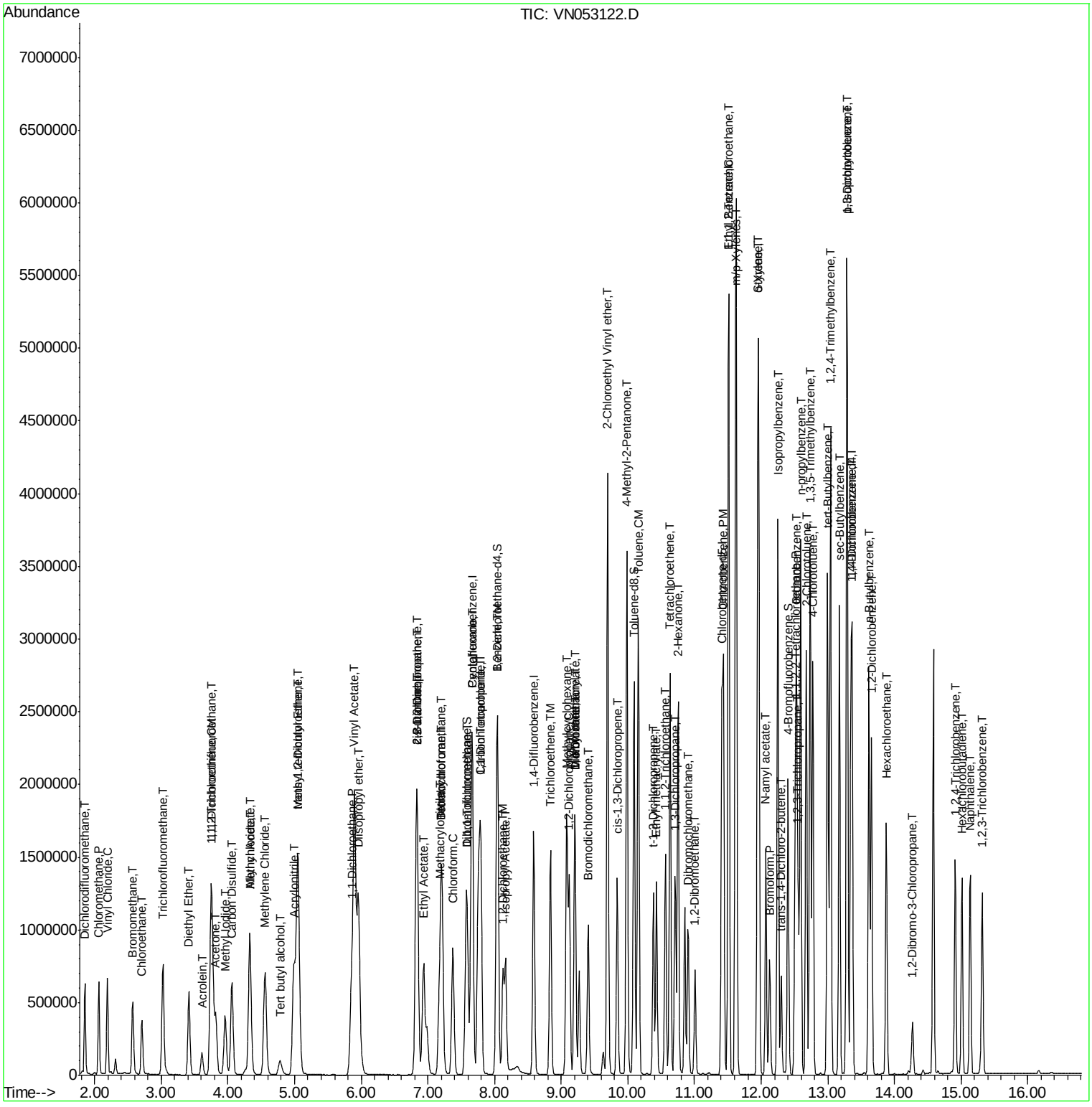
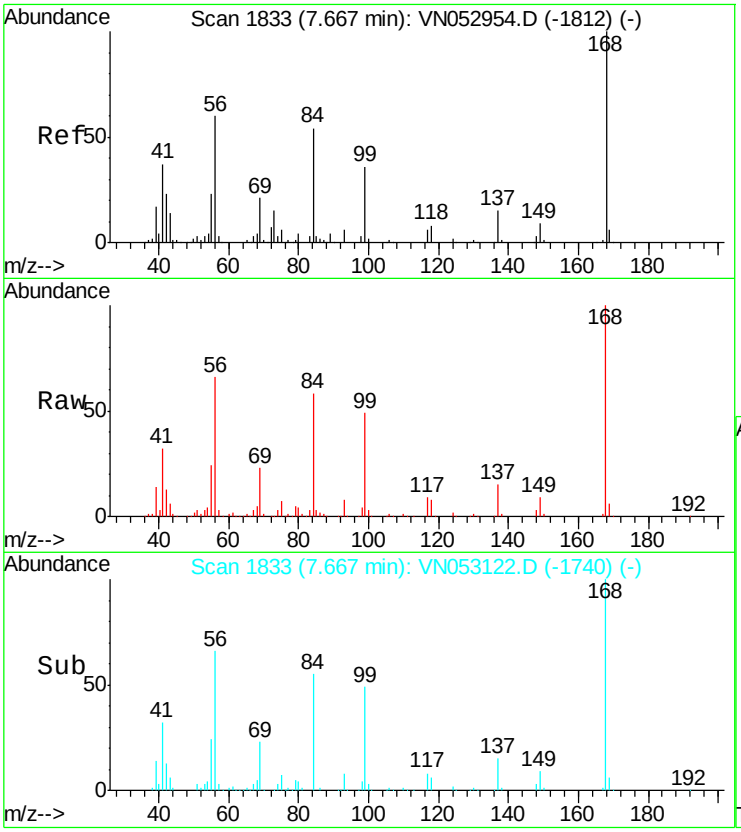
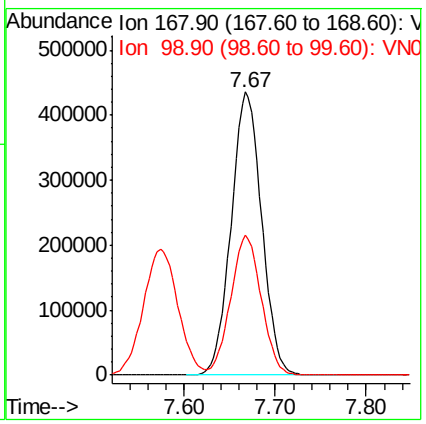




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion:168 Resp: 1013826

Ion	Ratio	Lower	Upper
168	100		
99	49.2	40.2	60.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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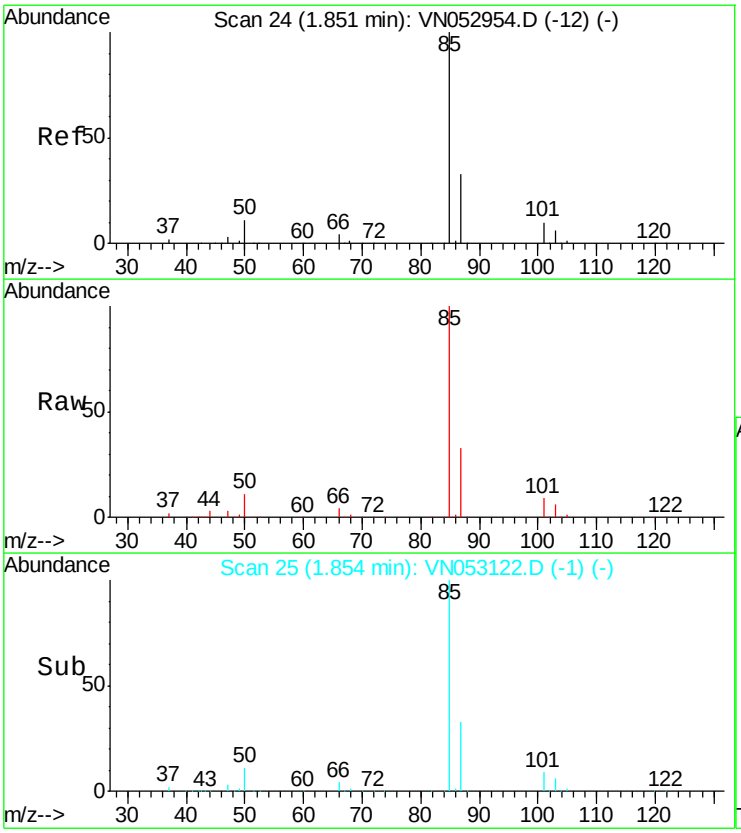
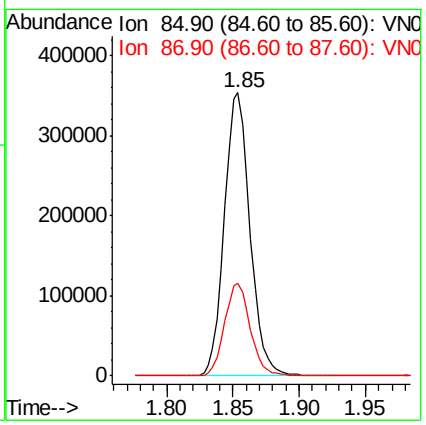
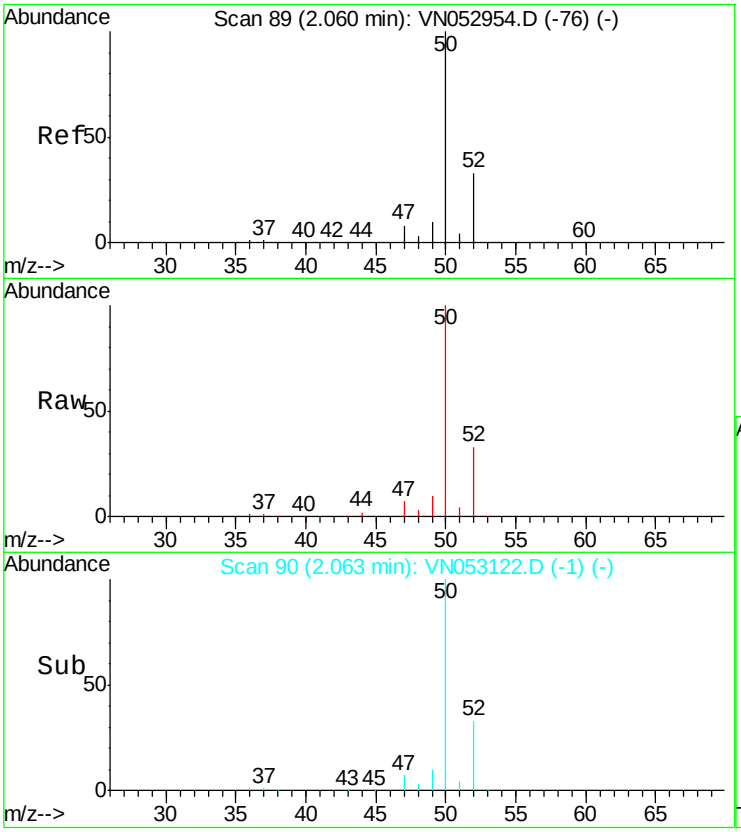


#2
Dichlorodifluoromethane
Concen: 46.339 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 85 Resp: 475469

Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.3	48.8

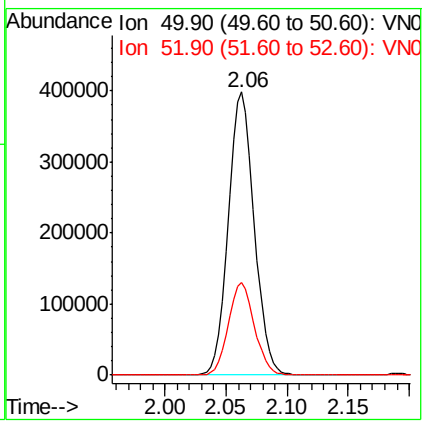




#3
Chloromethane
Concen: 47.537 ug/l
RT: 2.06 min Scan# 90
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 50 Resp: 591068

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.2	39.4



Instrument :
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ClientSampleId :
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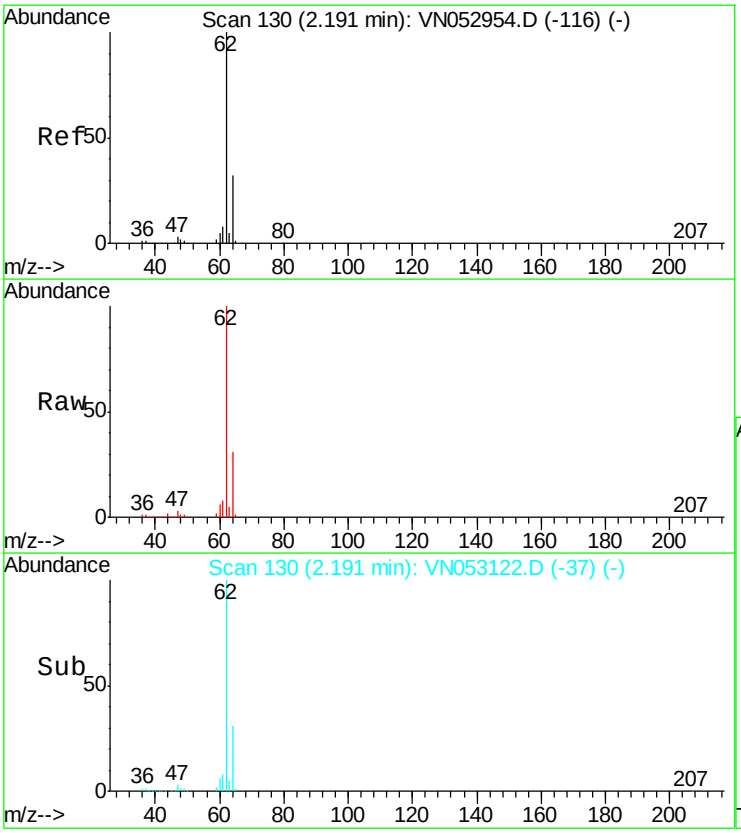
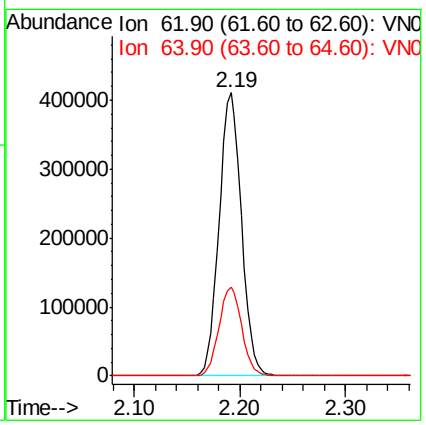
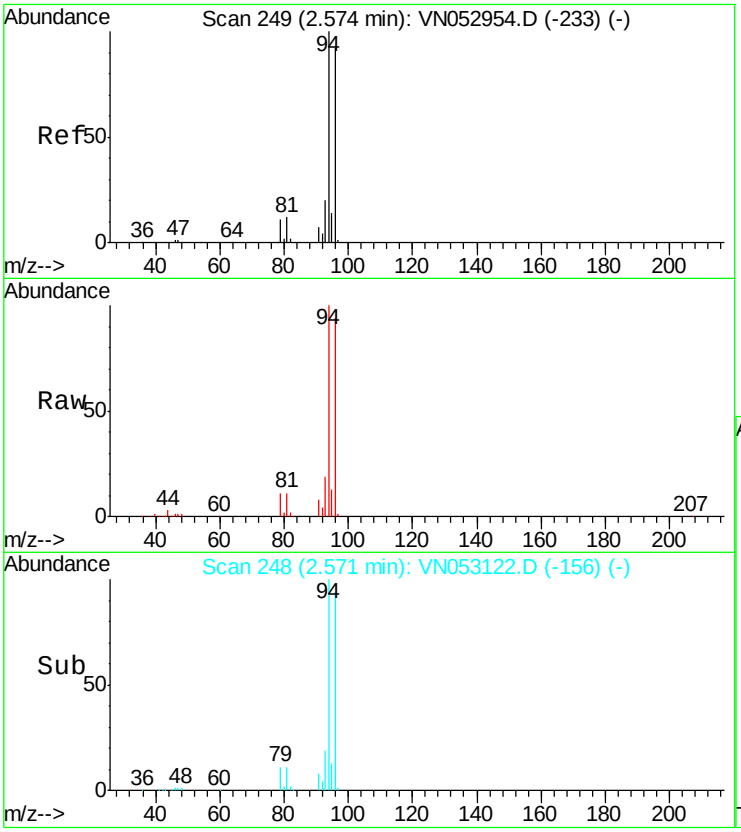


#4
Vinyl Chloride
Concen: 47.912 ug/l
RT: 2.19 min Scan# 130
Delta R.T. -0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 62 Resp: 603335

Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.5	38.3

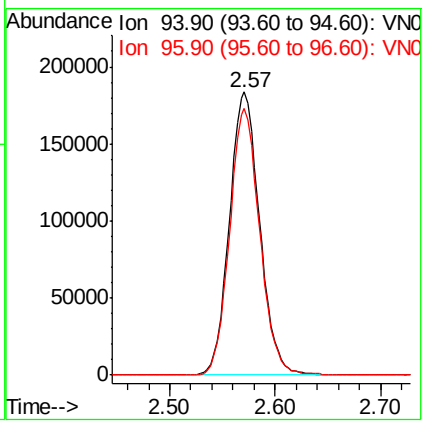




#5
Bromomethane
Concen: 41.728 ug/l
RT: 2.57 min Scan# 248
Delta R.T. -0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 94 Resp: 364059

Ion	Ratio	Lower	Upper
94	100		
96	94.4	75.0	112.4



Instrument :
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Manual Integrations APPROVED
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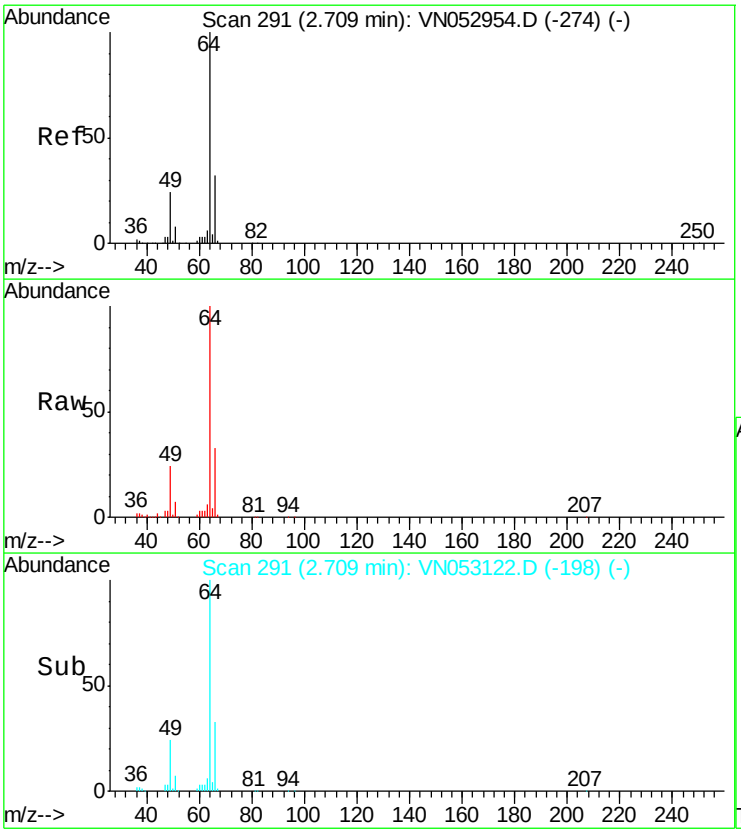
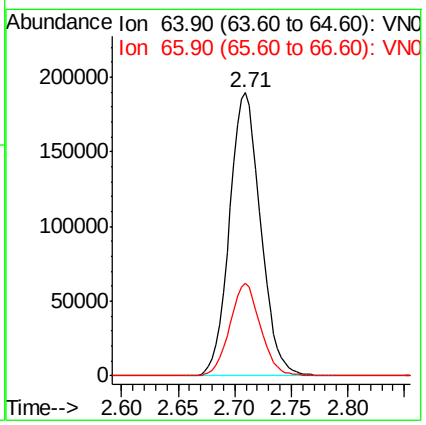
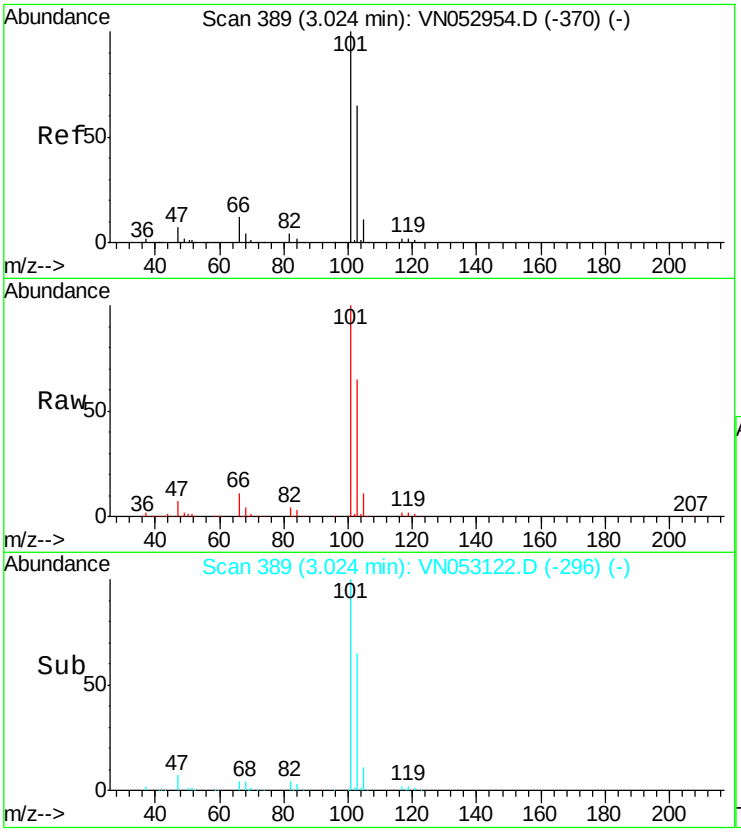


#6
Chloroethane
Concen: 48.708 ug/l
RT: 2.71 min Scan# 291
Delta R.T. -0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 64 Resp: 363265

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.2	39.2

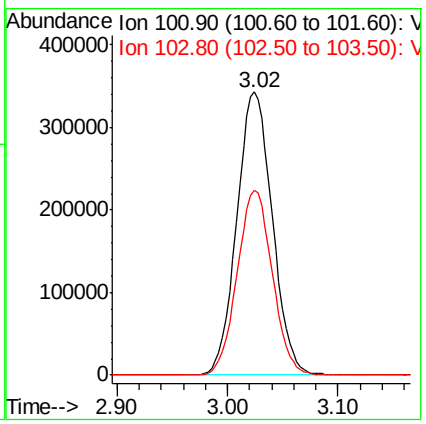




#7
Trichlorofluoromethane
Concen: 48.798 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion:101 Resp: 765500

Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.8	77.6



Instrument :
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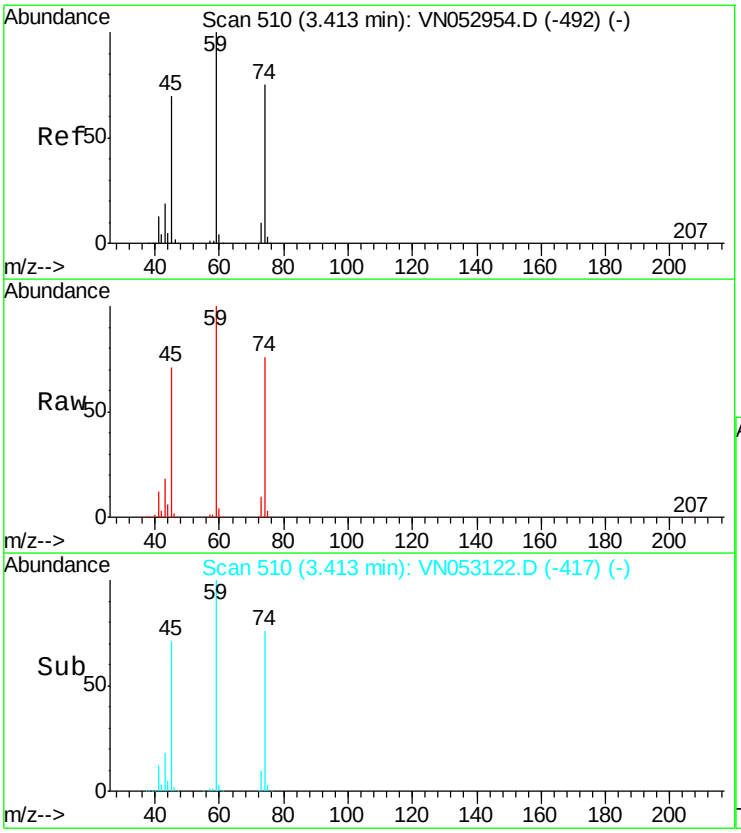
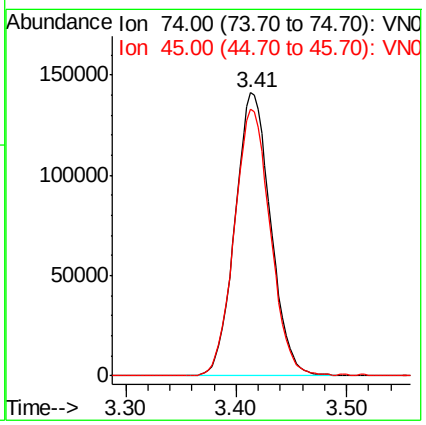
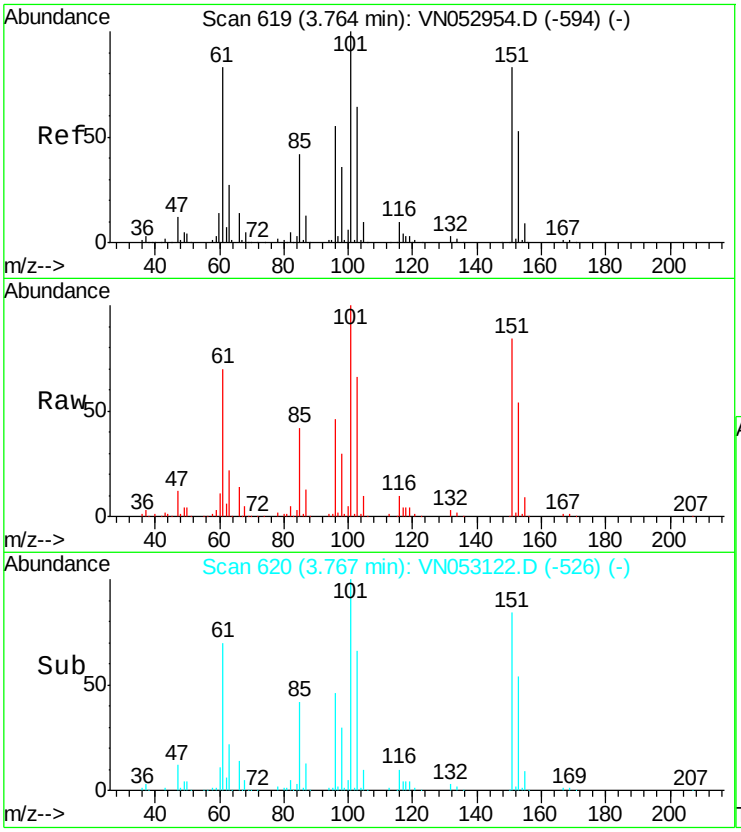


#8
Diethyl Ether
Concen: 53.328 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 74 Resp: 315596

Ion	Ratio	Lower	Upper
74	100		
45	95.3	49.4	148.0

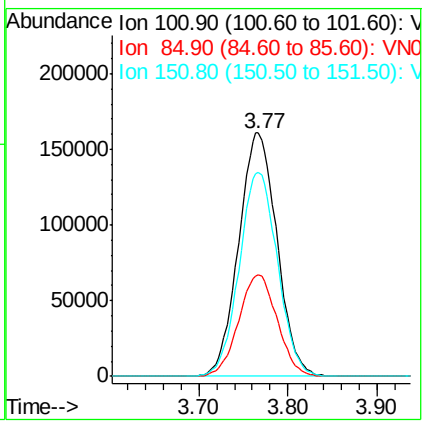




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.078 ug/l
RT: 3.77 min Scan# 620
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion:101 Resp: 480871

Ion	Ratio	Lower	Upper
101	100		
85	41.9	33.6	50.4
151	84.0	65.5	98.3



Instrument :
MSVOA_N
ClientSampleId :
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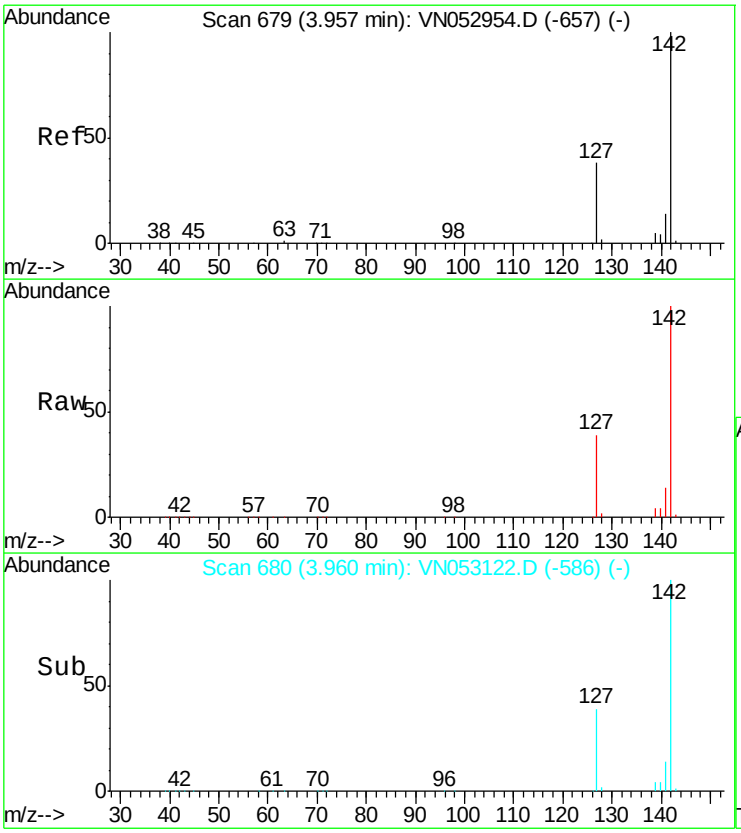
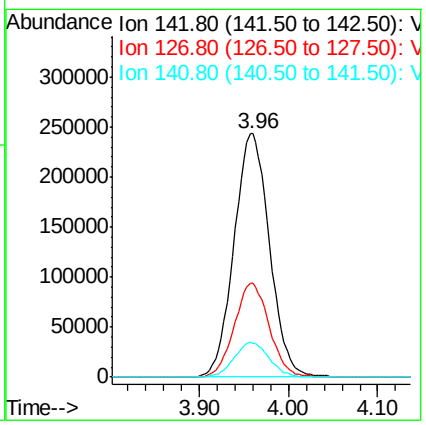
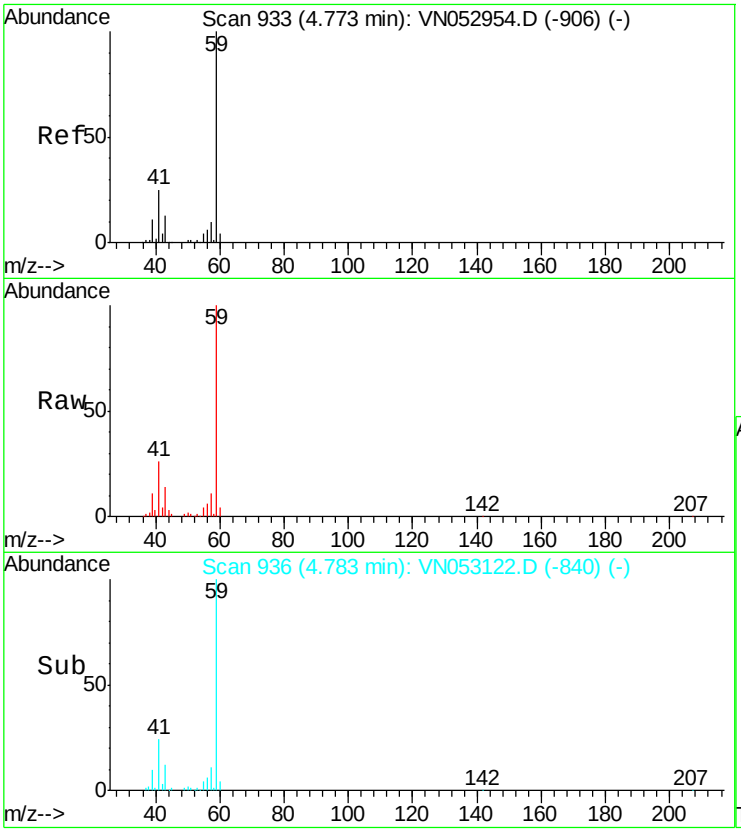


#10
Methyl Iodide
Concen: 47.903 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion:142 Resp: 672850

Ion	Ratio	Lower	Upper
142	100		
127	38.1	31.0	46.6
141	14.1	11.2	16.8

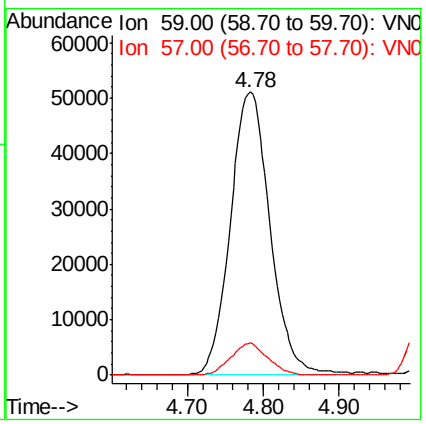




#11
Tert butyl alcohol
Concen: 294.965 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 59 Resp: 185167

Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.7	11.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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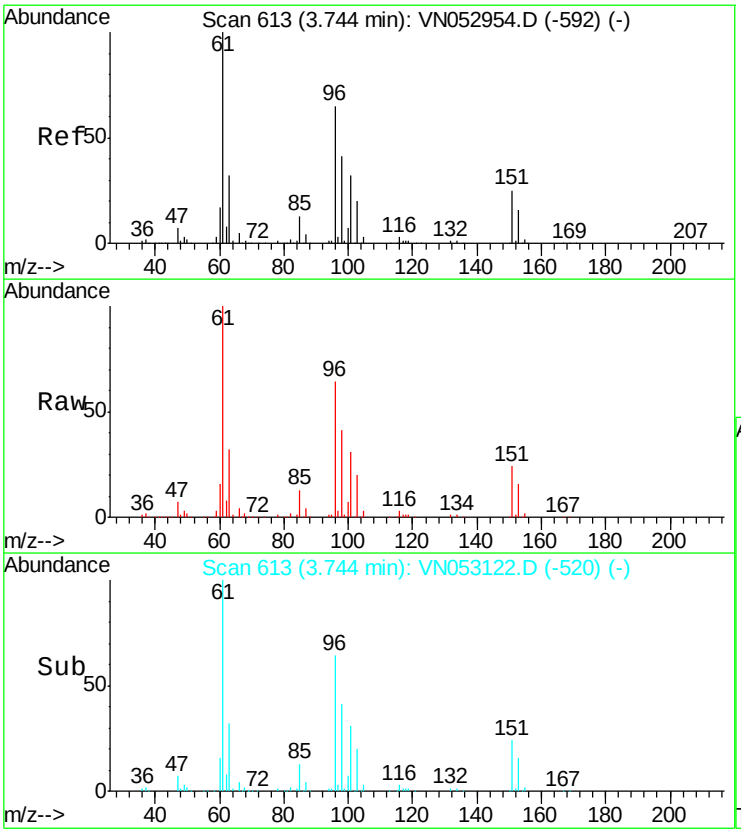
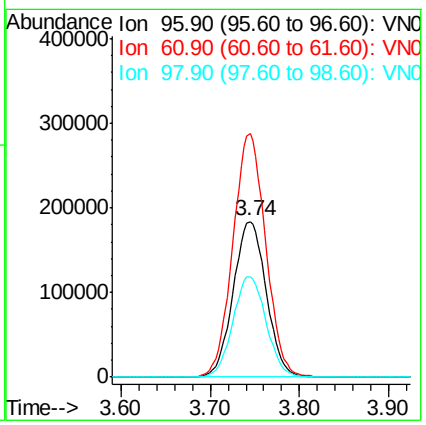
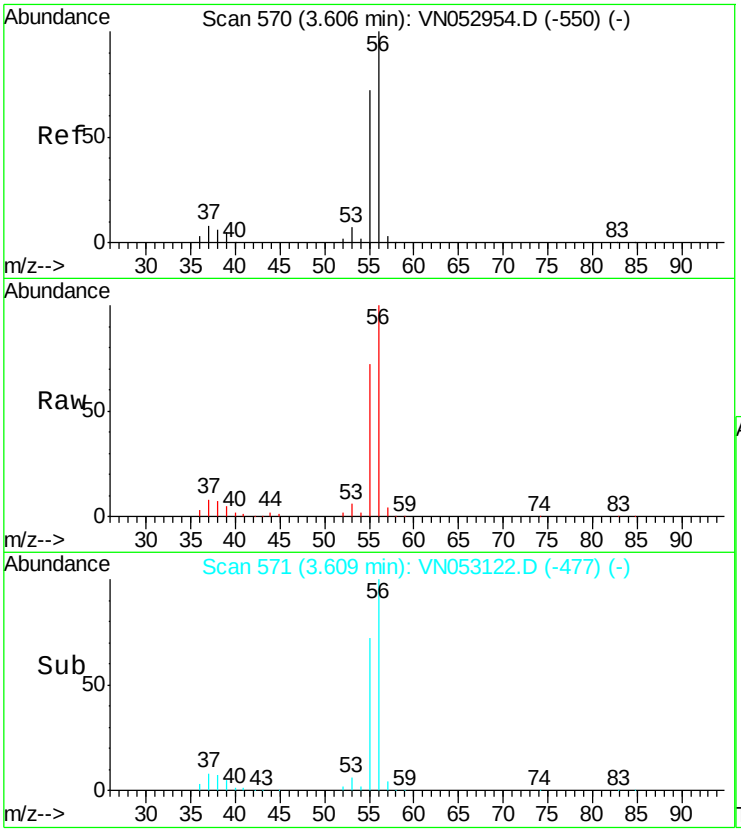


#12
1,1-Dichloroethene
Concen: 48.843 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 96 Resp: 471974

Ion	Ratio	Lower	Upper
96	100		
61	156.7	125.6	188.4
98	64.6	50.6	75.8

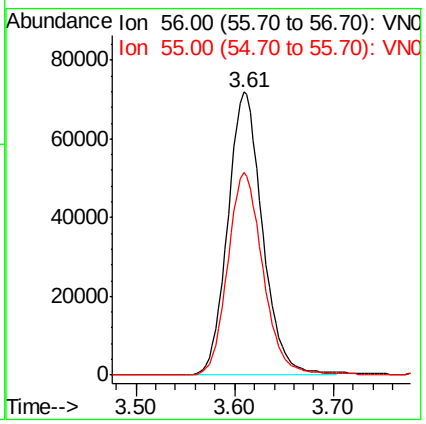




#13
Acrolein
Concen: 309.813 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 56 Resp: 176350

Ion	Ratio	Lower	Upper
56	100		
55	72.4	56.6	85.0



Instrument :
MSVOA_N
ClientSampleId :
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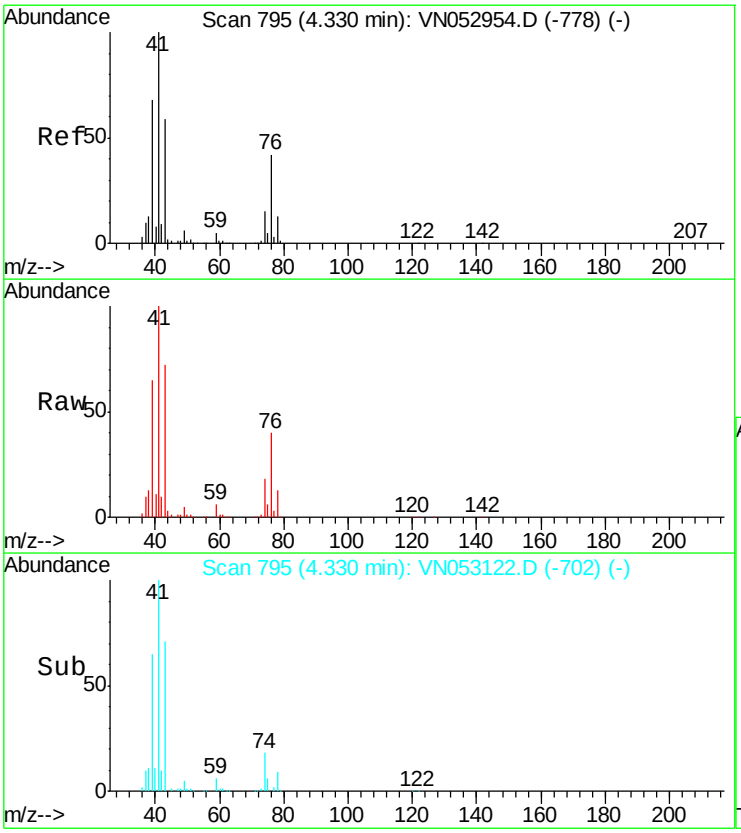
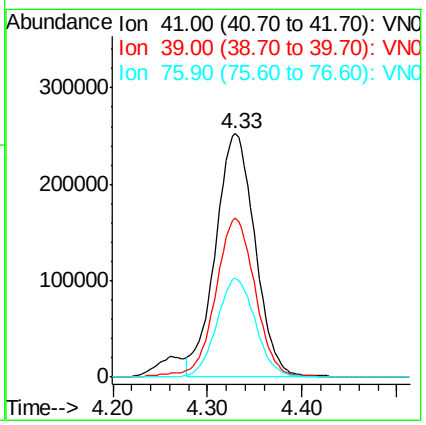
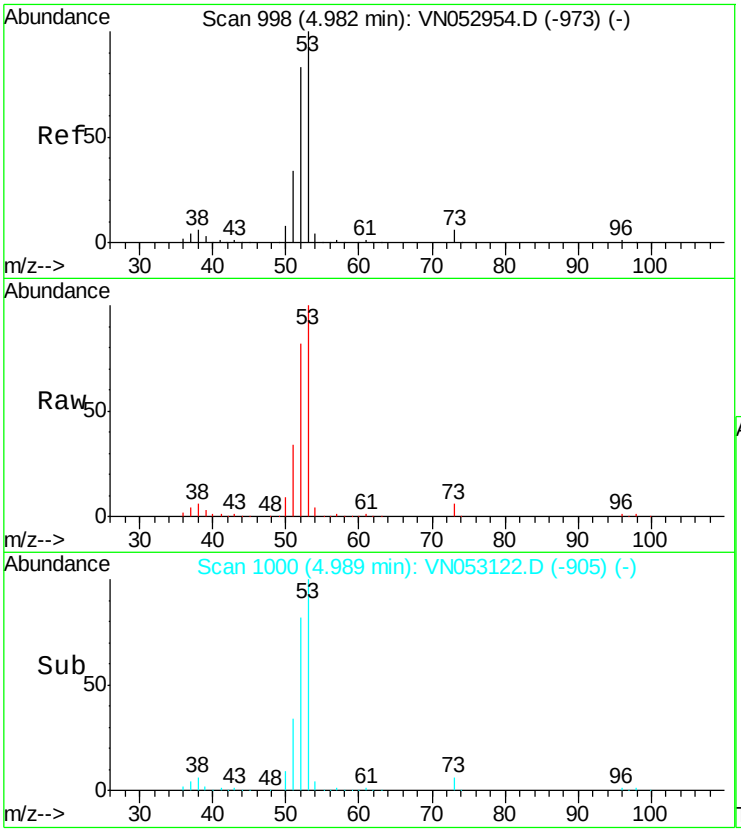


#14
Allyl chloride
Concen: 48.686 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 41 Resp: 728728

Ion	Ratio	Lower	Upper
41	100		
39	66.2	54.1	81.1
76	39.1	30.3	45.5

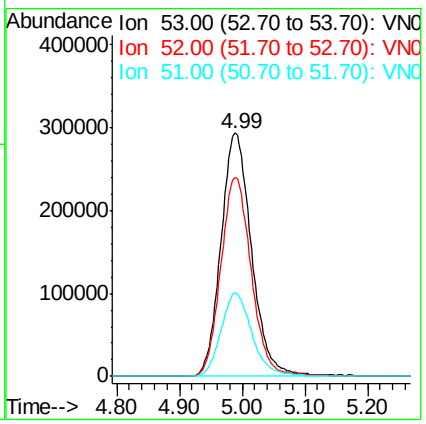




#15
Acrylonitrile
Concen: 284.810 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 53 Resp: 993278

Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.1	97.7
51	34.8	28.1	42.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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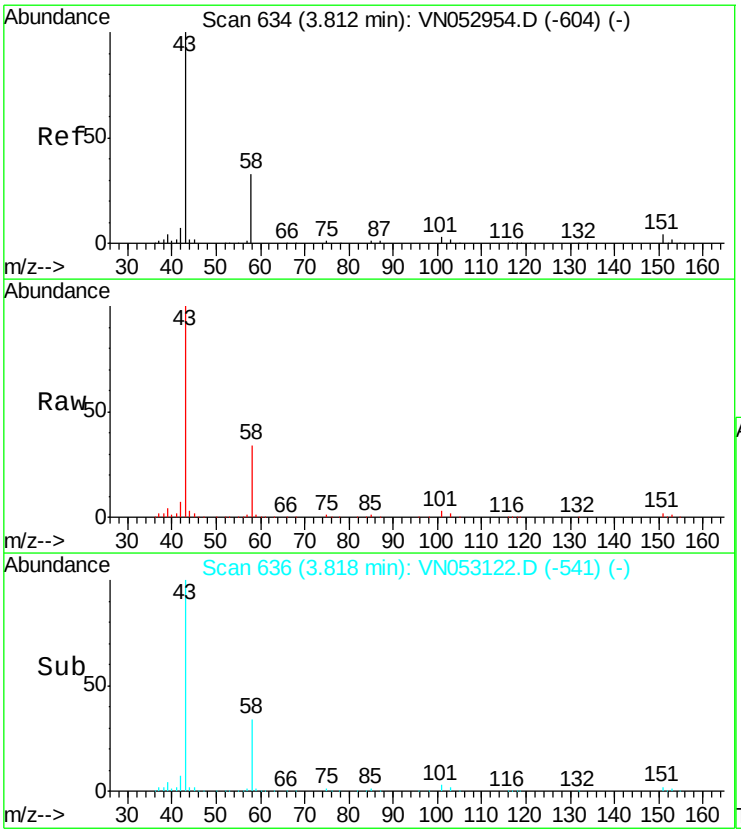
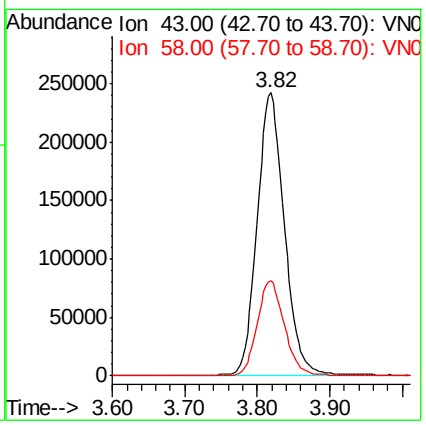
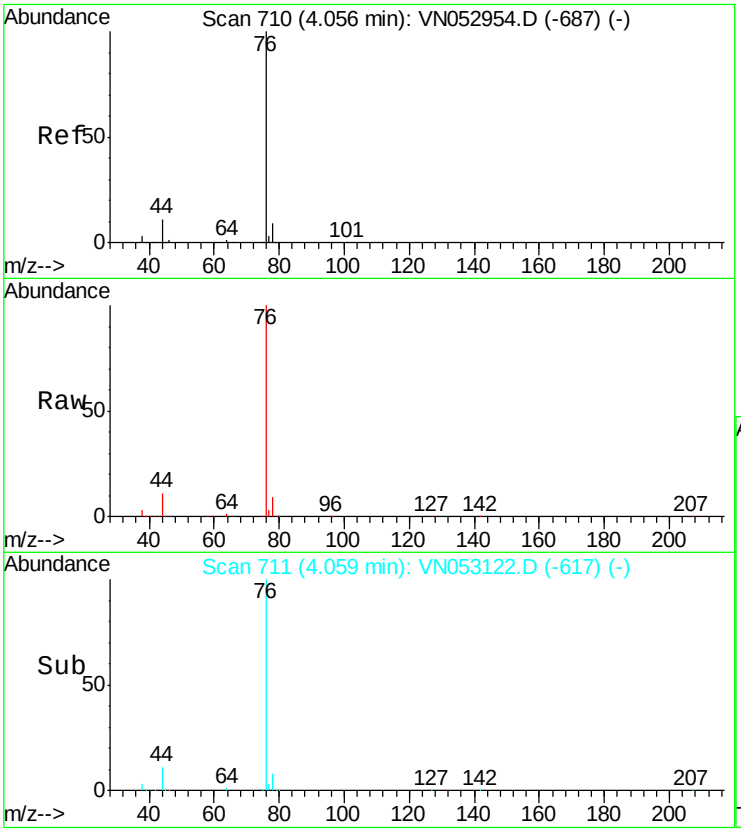


#16
Acetone
Concen: 315.071 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.01 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 43 Resp: 635573

Ion	Ratio	Lower	Upper
43	100		
58	33.5	25.4	38.0





#17
Carbon Disulfide
Concen: 40.910 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 76 Resp: 1289208

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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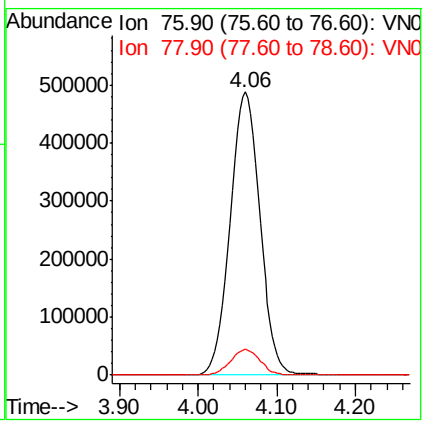
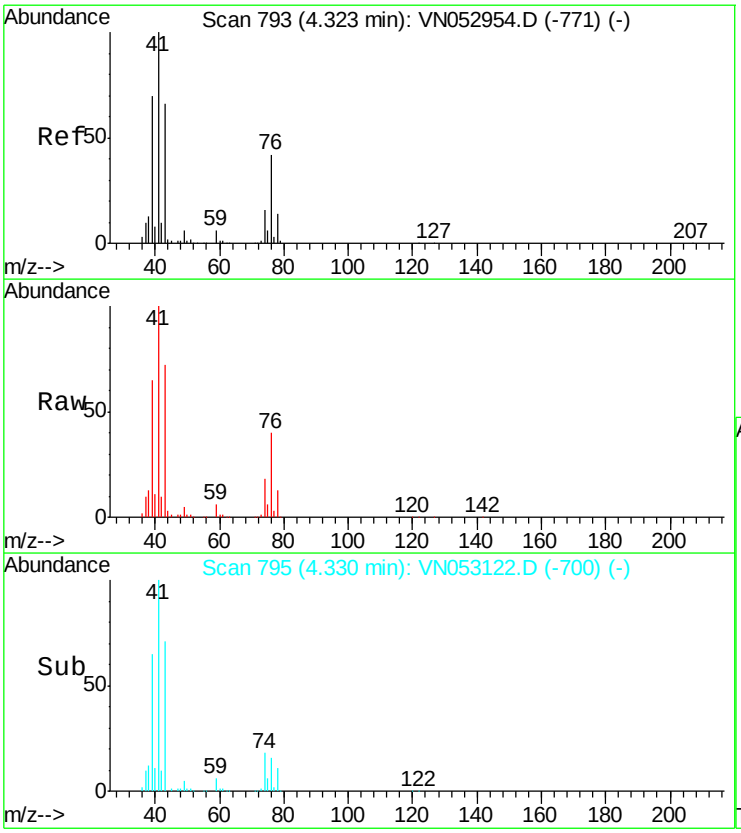
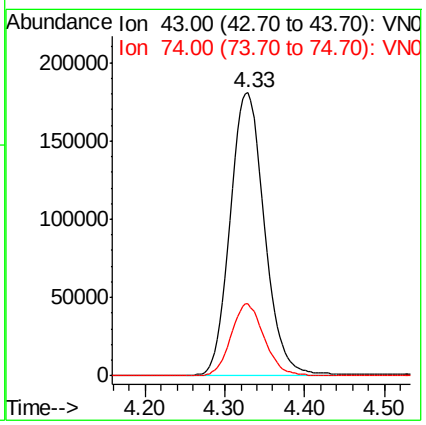


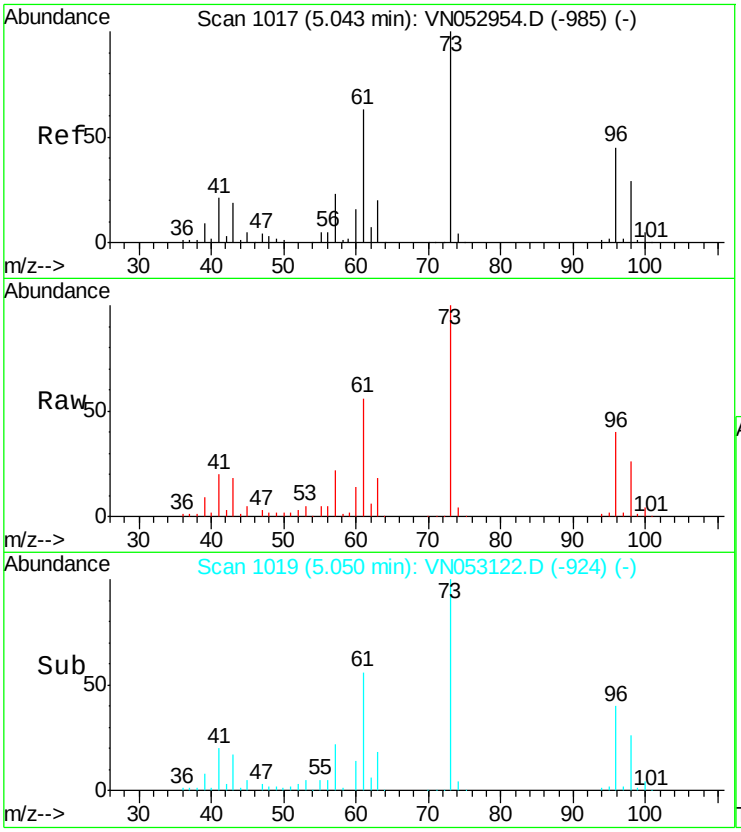


#18
Methyl Acetate
Concen: 57.121 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 43 Resp: 524297

Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.2	28.8

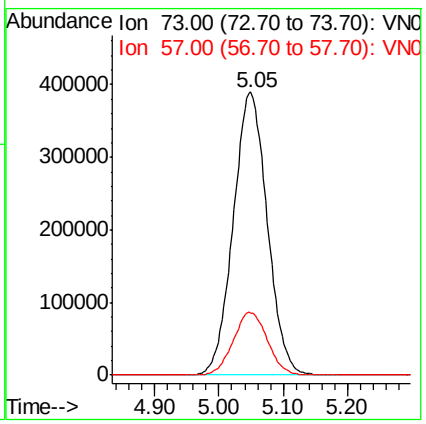




#19
Methyl tert-butyl Ether
Concen: 55.109 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 73 Resp: 1425082

Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.4	27.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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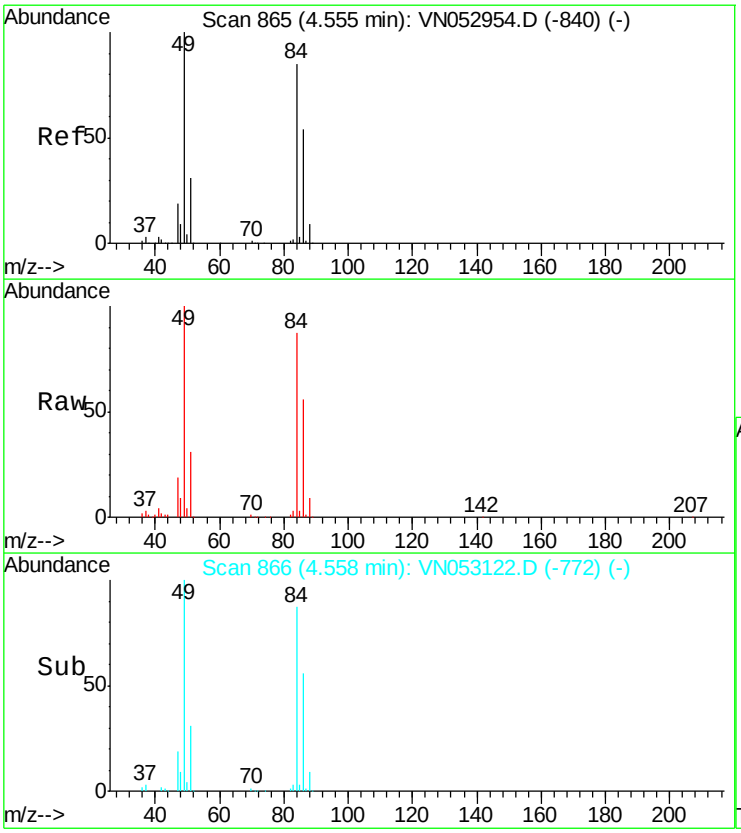
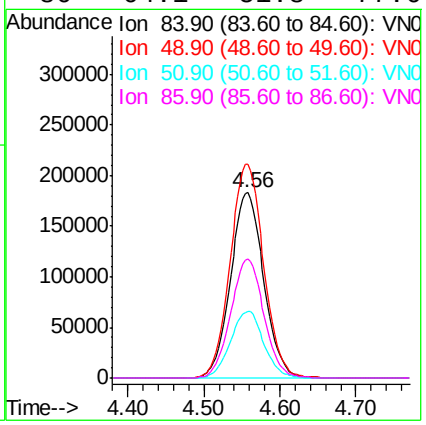
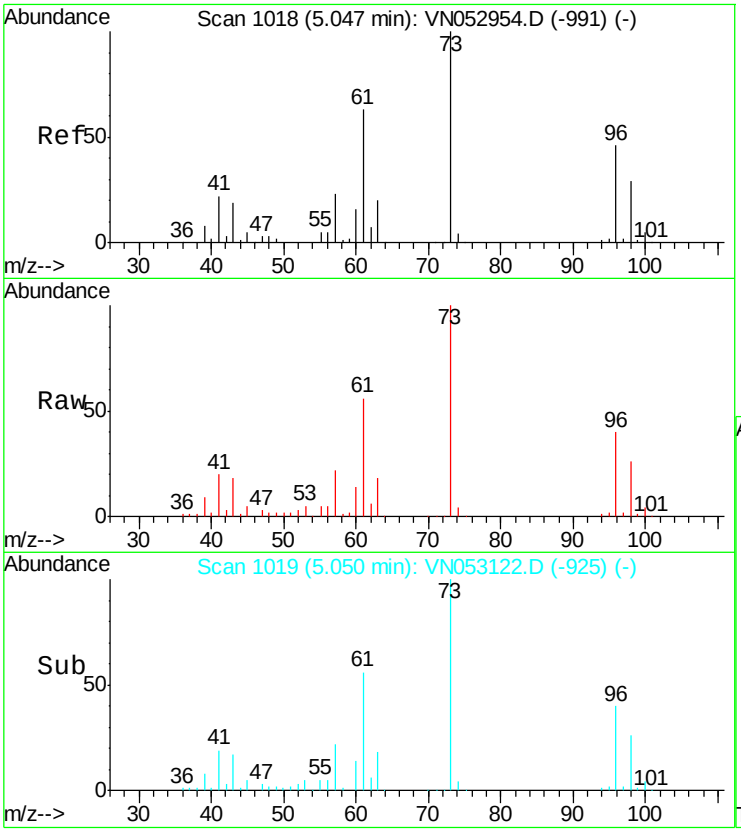


#20
Methylene Chloride
Concen: 50.345 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 84 Resp: 553988

Ion	Ratio	Lower	Upper
84	100		
49	115.2	96.8	145.2
51	35.9	29.9	44.9
86	64.1	51.8	77.6

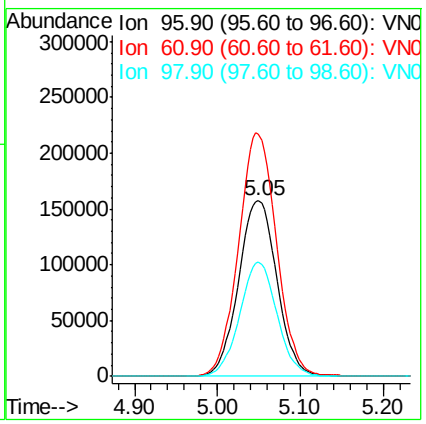




#21
trans-1,2-Dichloroethene
Concen: 48.885 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 96 Resp: 507527

Ion	Ratio	Lower	Upper
96	100		
61	138.1	110.8	166.2
98	65.1	51.4	77.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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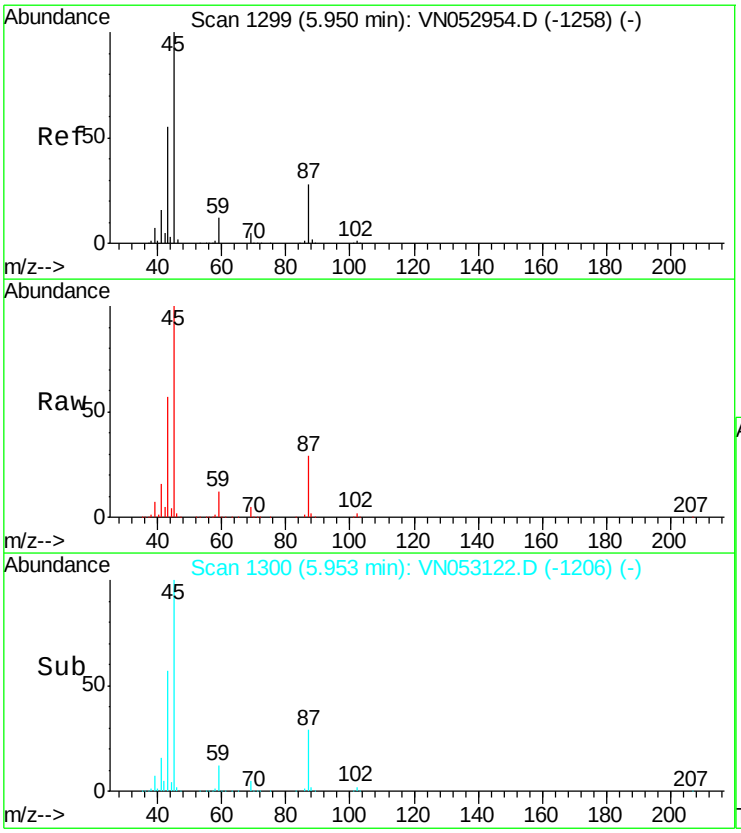
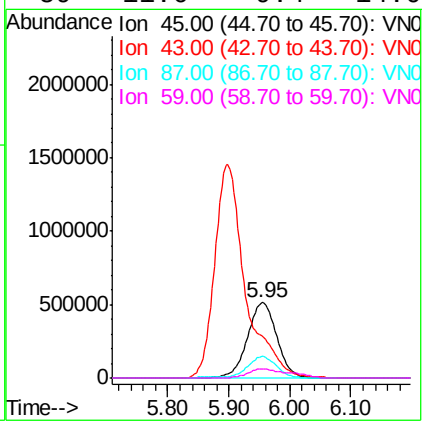
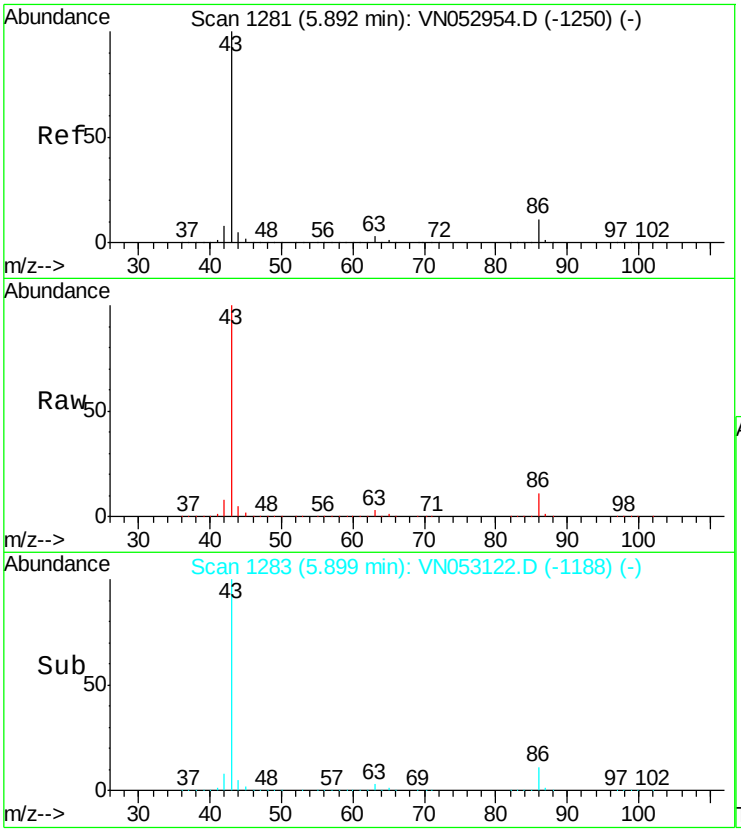


#22
Diisopropyl ether
Concen: 53.815 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 45 Resp: 1719335

Ion	Ratio	Lower	Upper
45	100		
43	56.1	45.5	68.3
87	28.8	22.0	33.0
59	11.6	9.4	14.0

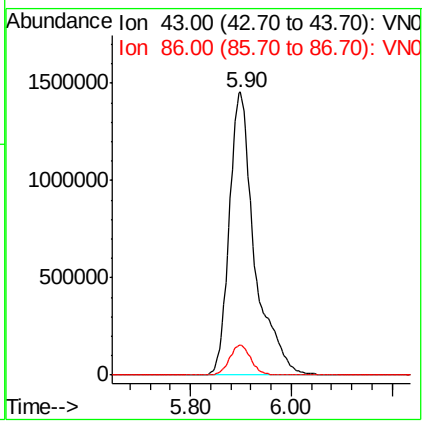




#23
Vinyl Acetate
Concen: 275.961 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 43 Resp: 5069857

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.1	12.1



Instrument :
MSVOA_N
ClientSampleId :
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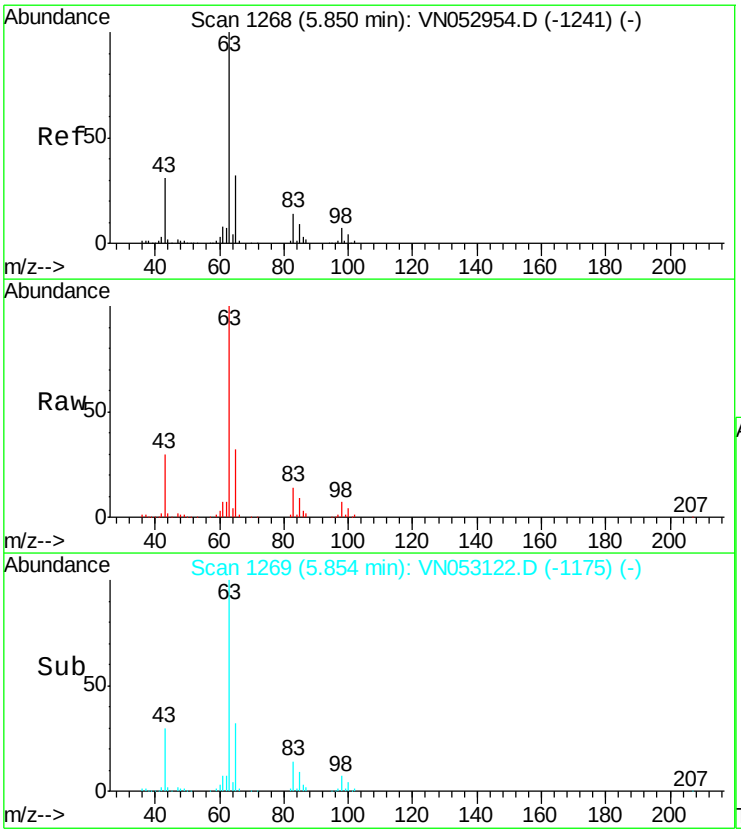
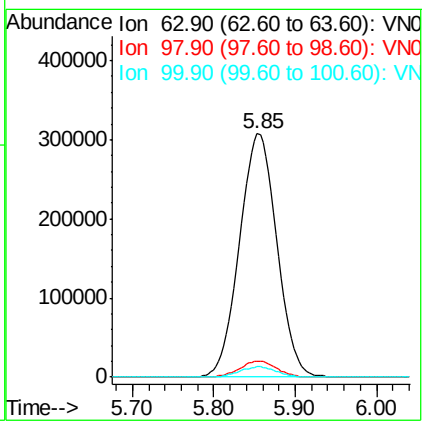
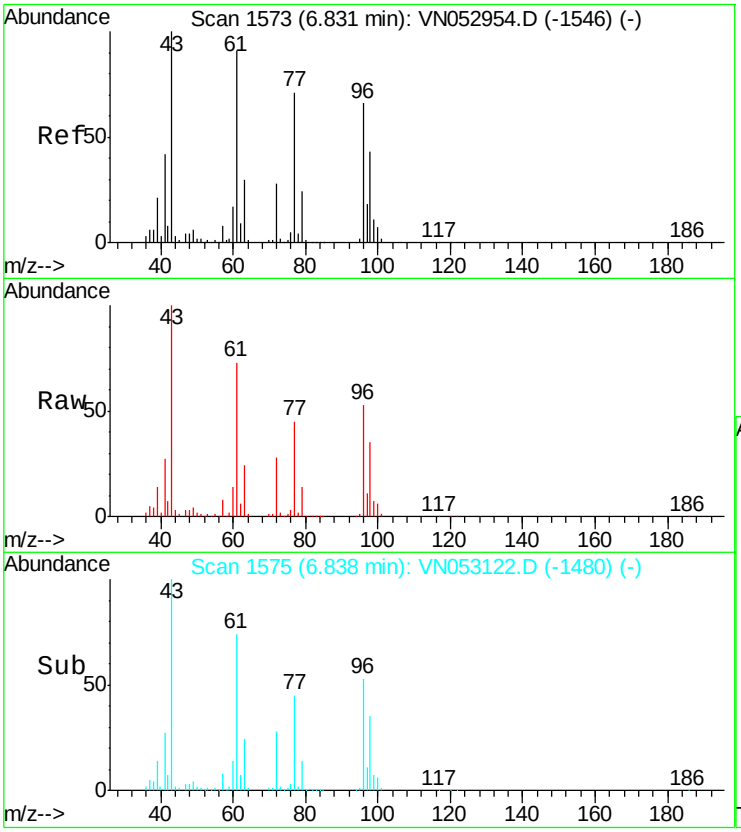


#24
1,1-Dichloroethane
Concen: 51.276 ug/l
RT: 5.85 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 63 Resp: 973481

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.1	9.4
100	4.2	2.0	5.8

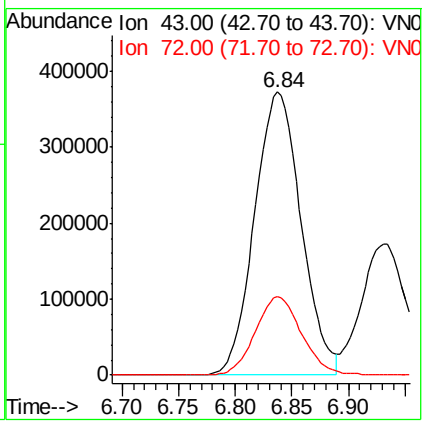




#25
2-Butanone
Concen: 314.179 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 43 Resp: 1063626

Ion	Ratio	Lower	Upper
43	100		
72	27.7	21.0	31.6



Instrument :
MSVOA_N
ClientSampleId :
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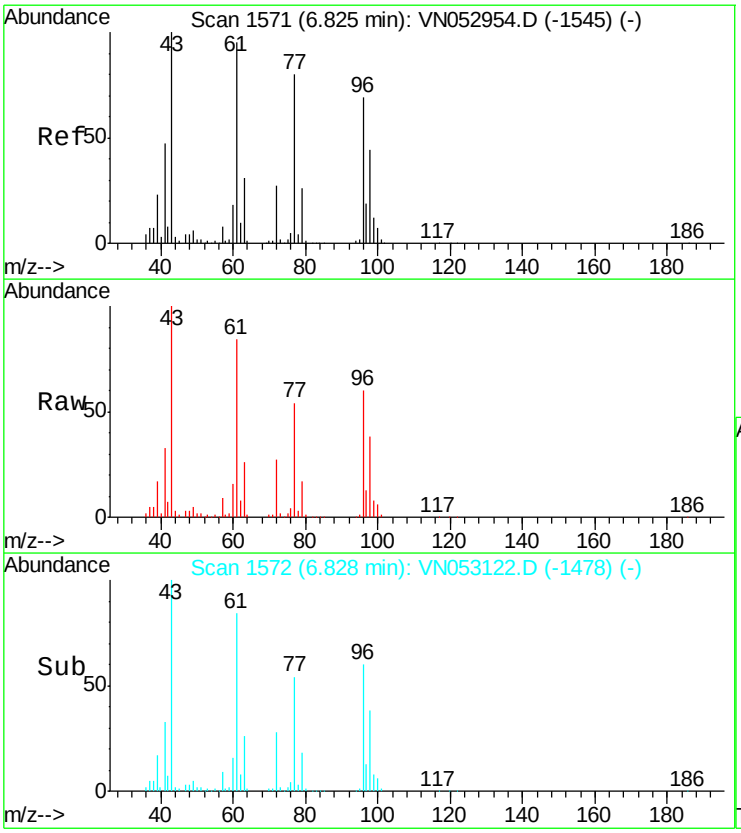
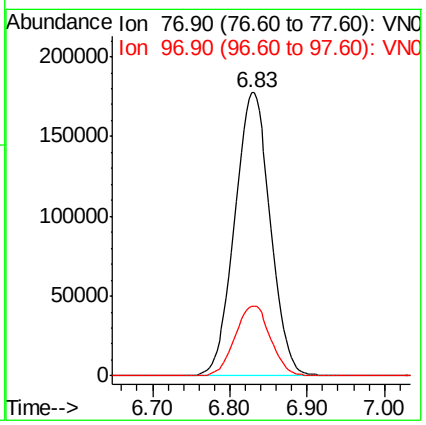
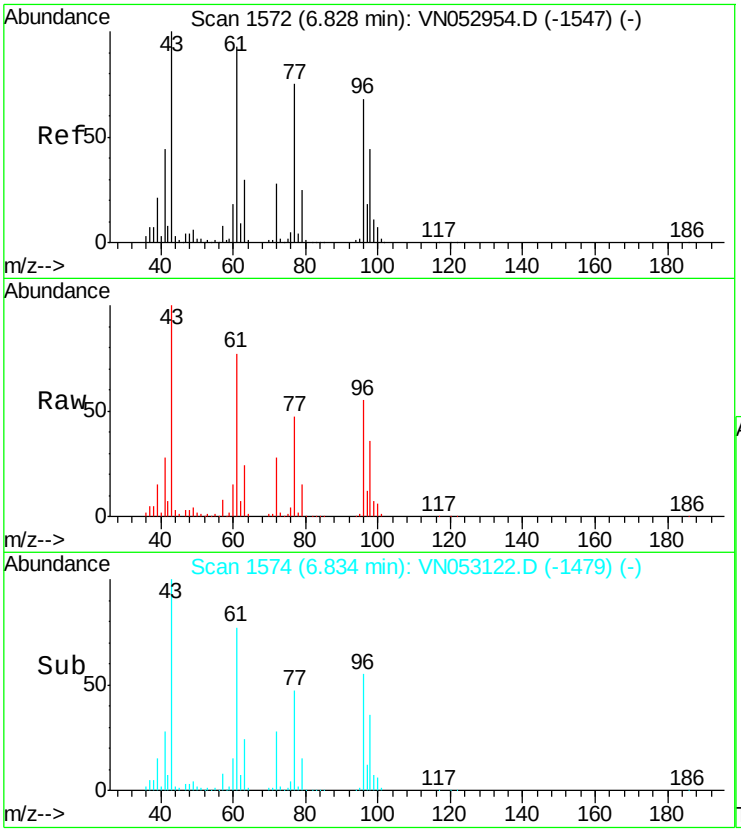


#26
2,2-Dichloropropane
Concen: 39.191 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 77 Resp: 567973

Ion	Ratio	Lower	Upper
77	100		
97	24.7	11.9	35.9

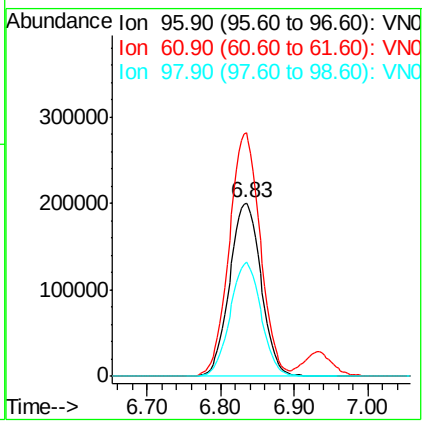




#27
cis-1,2-Dichloroethene
Concen: 50.731 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 96 Resp: 596281

Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	284.2
98	64.7	0.0	129.2



Instrument :
MSVOA_N
ClientSampleId :
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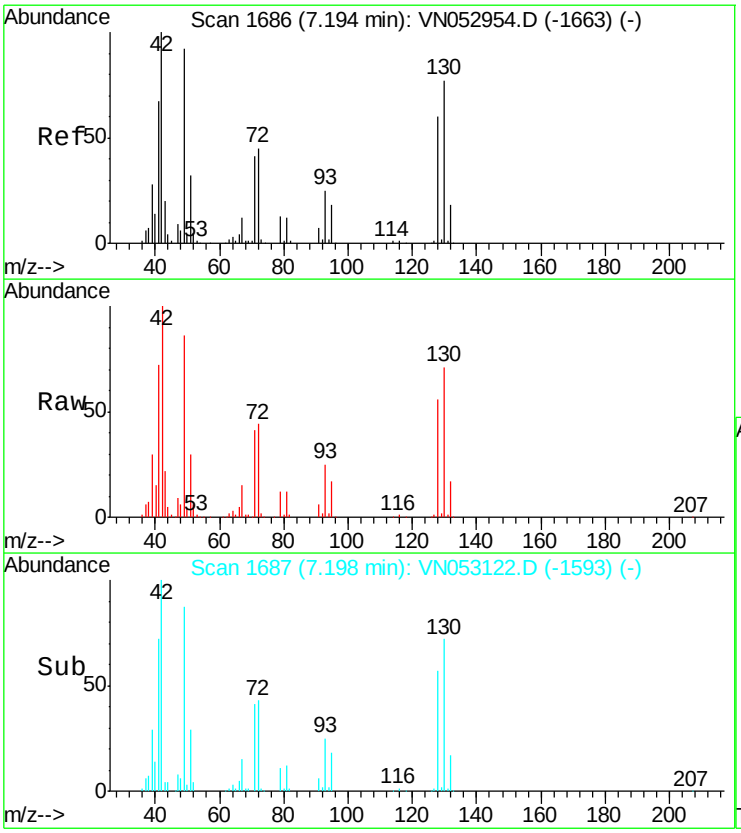
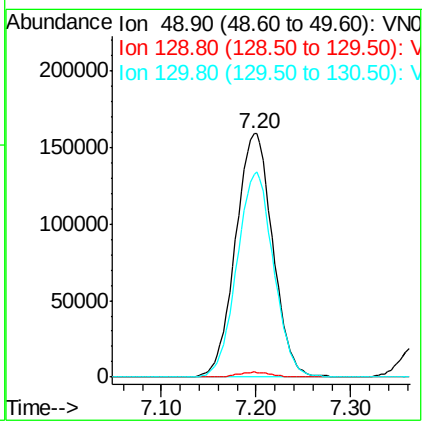
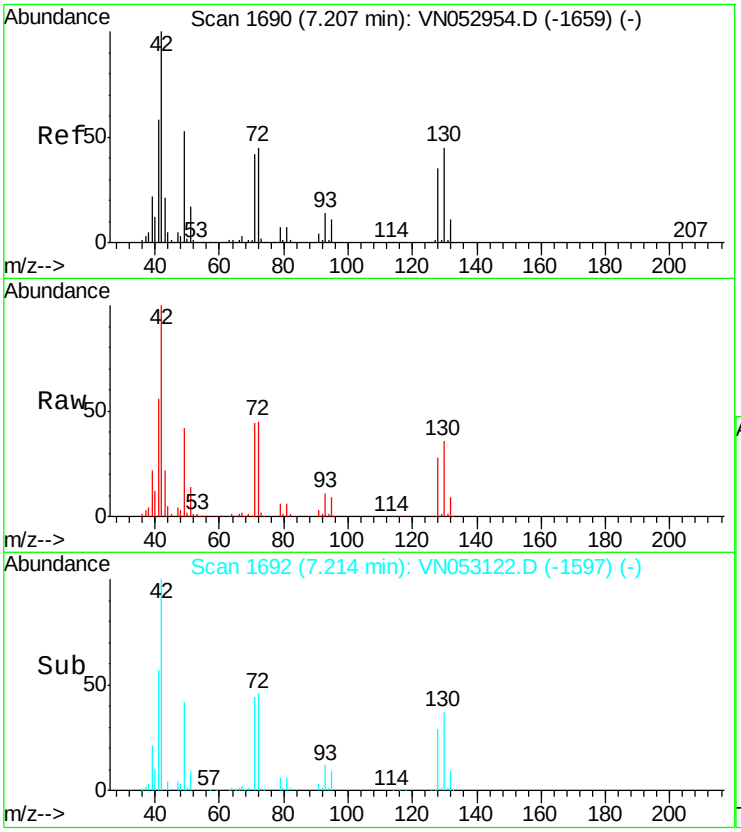


#28
Bromochloromethane
Concen: 52.755 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 49 Resp: 433993

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	83.0	63.3	94.9

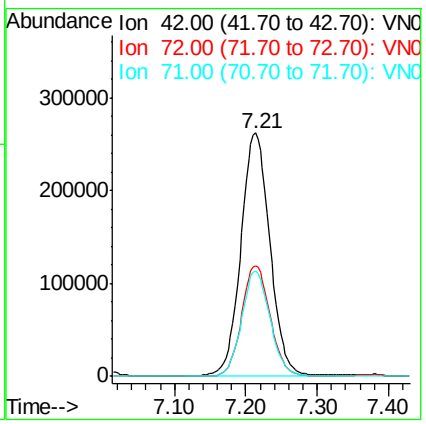




#29
Tetrahydrofuran
Concen: 293.537 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 42 Resp: 742197

Ion	Ratio	Lower	Upper
42	100		
72	44.8	34.7	52.1
71	42.4	32.3	48.5



Instrument :
MSVOA_N
ClientSampleId :
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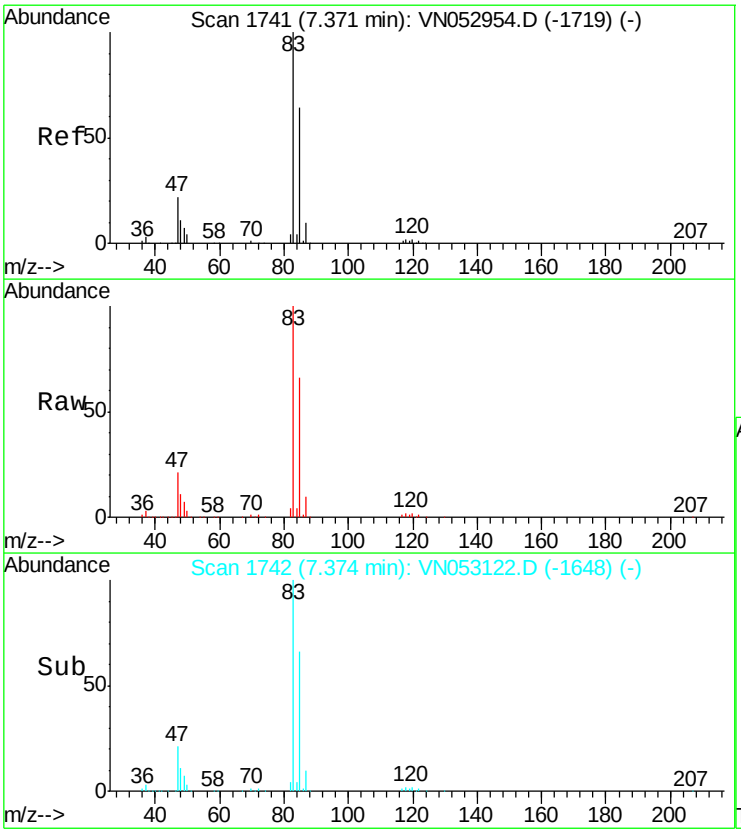
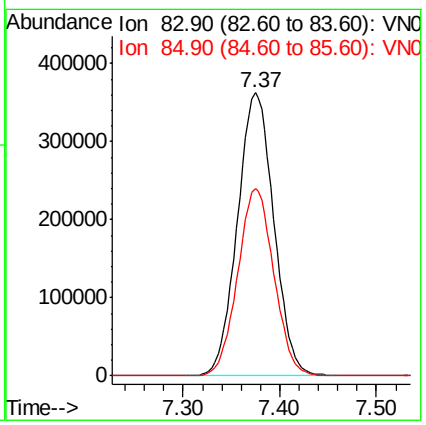
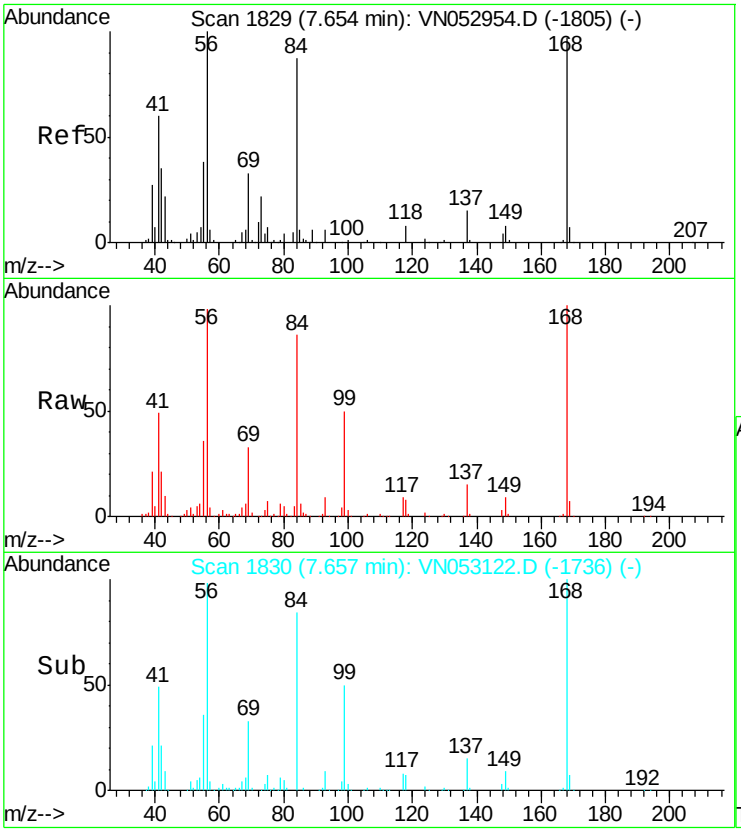


#30
Chloroform
Concen: 50.916 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 83 Resp: 949579

Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.1	78.1

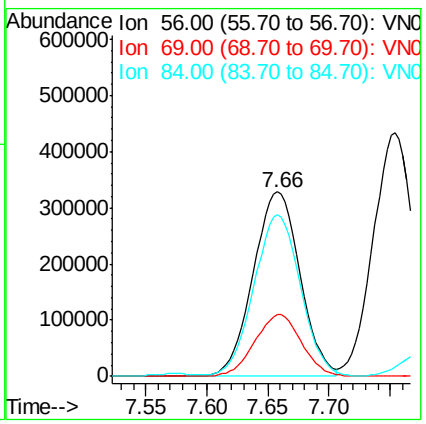




#31
Cyclohexane
Concen: 49.200 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 56 Resp: 876342

Ion	Ratio	Lower	Upper
56	100		
69	33.5	26.6	39.8
84	86.3	68.4	102.6



Instrument :
MSVOA_N
ClientSampleId :
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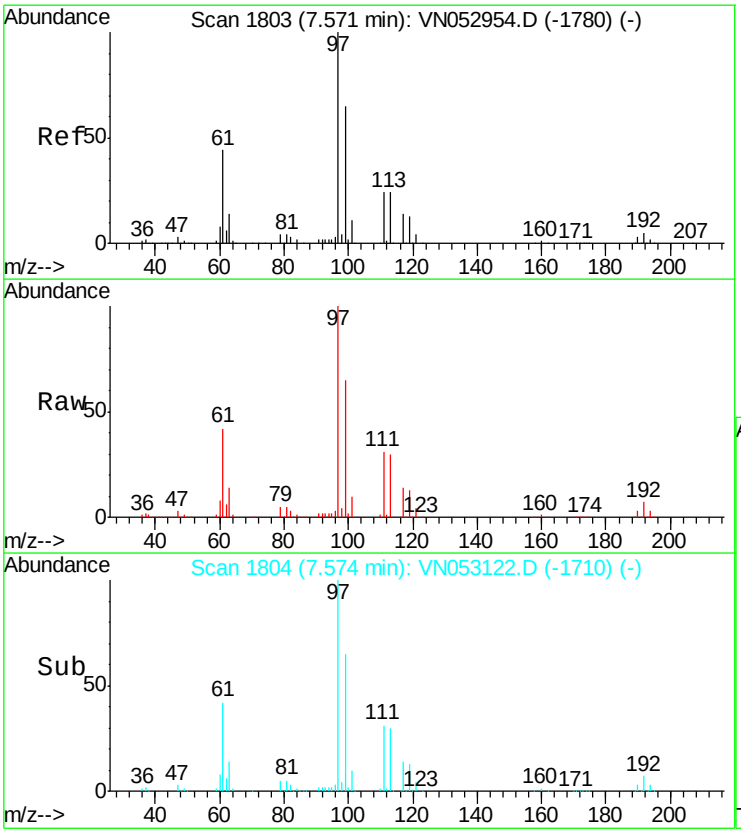
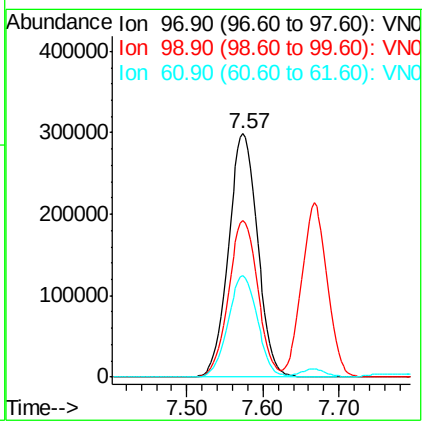
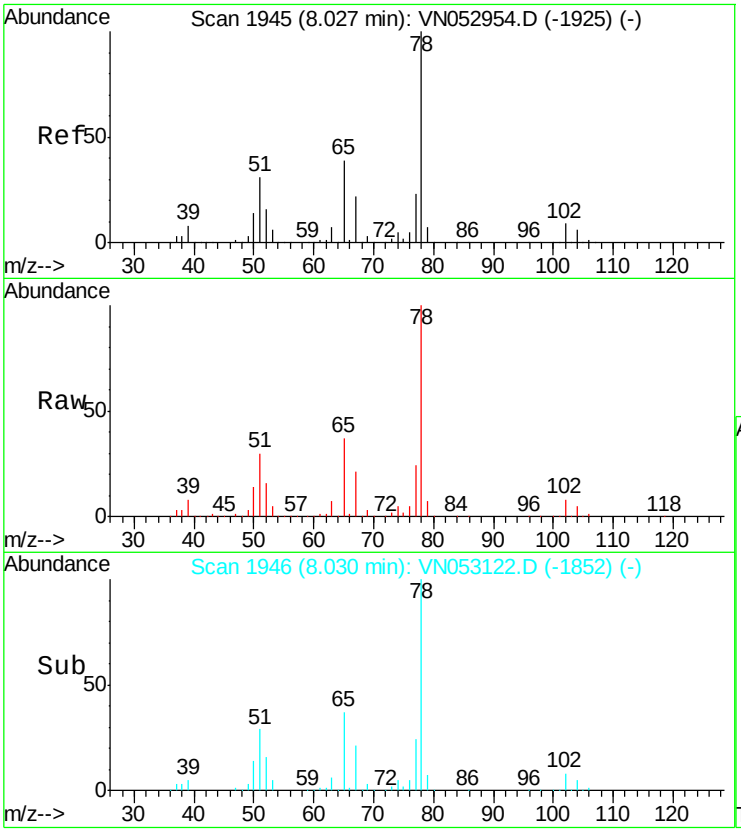


#32
1,1,1-Trichloroethane
Concen: 50.056 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 97 Resp: 795254

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	42.2	35.0	52.6

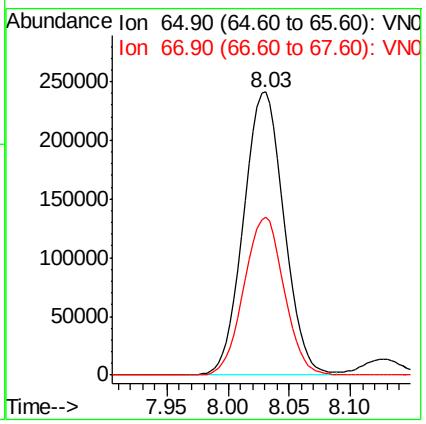




#33
1,2-Dichloroethane-d4
Concen: 50.056 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 65 Resp: 554347

Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	110.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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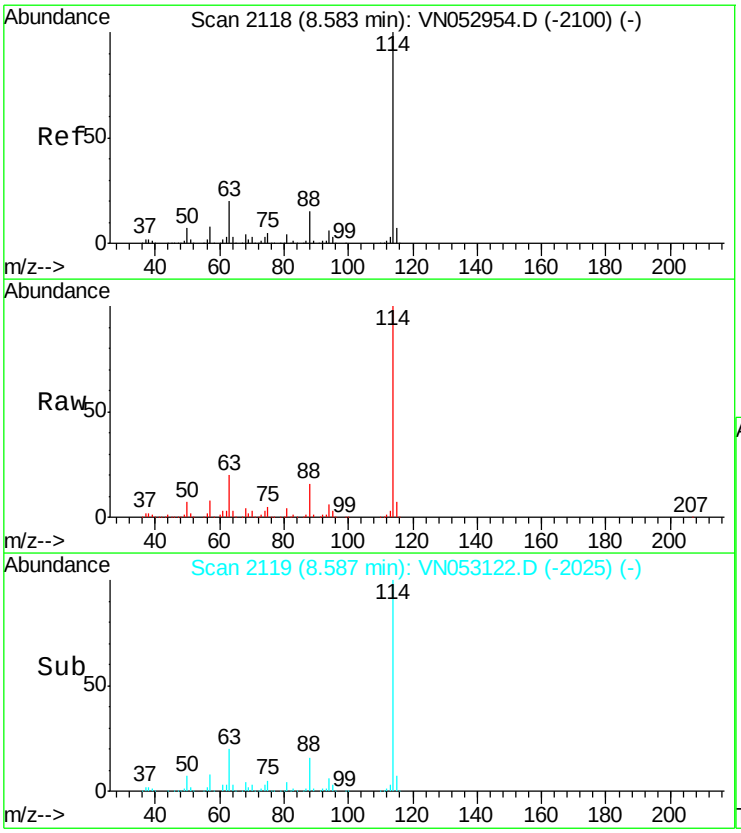
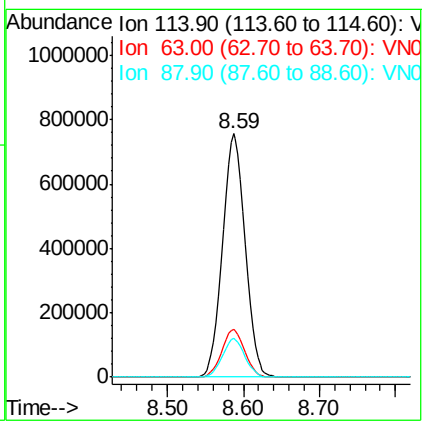
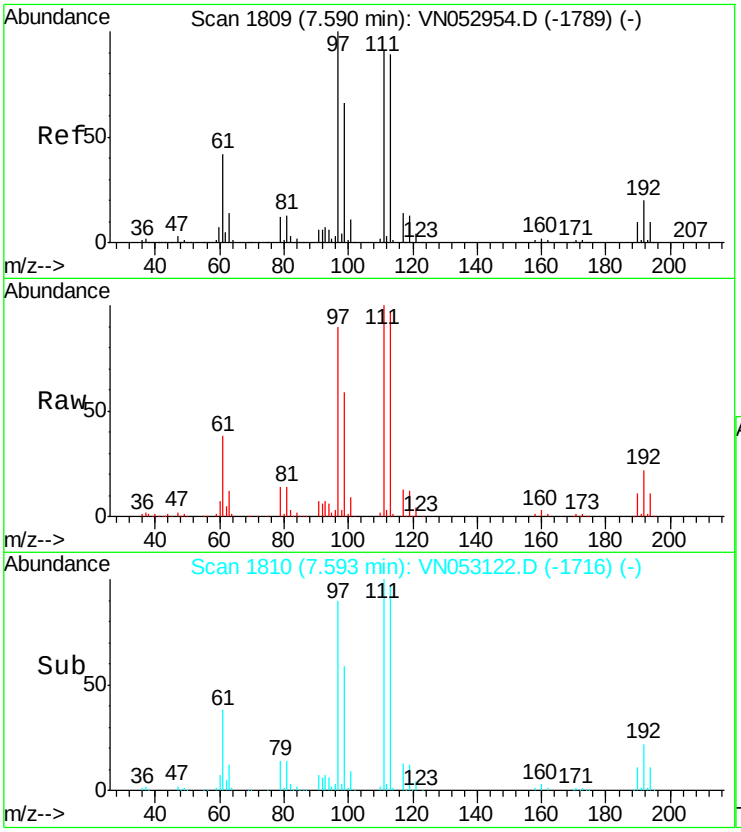


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion:114 Resp: 1569885

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.8
88	15.8	0.0	31.0

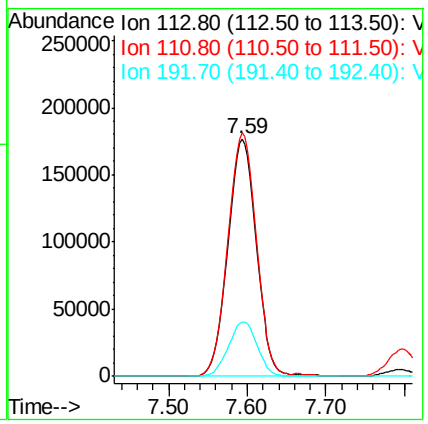




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion:113 Resp: 445183

Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.0	124.4
192	23.1	17.5	26.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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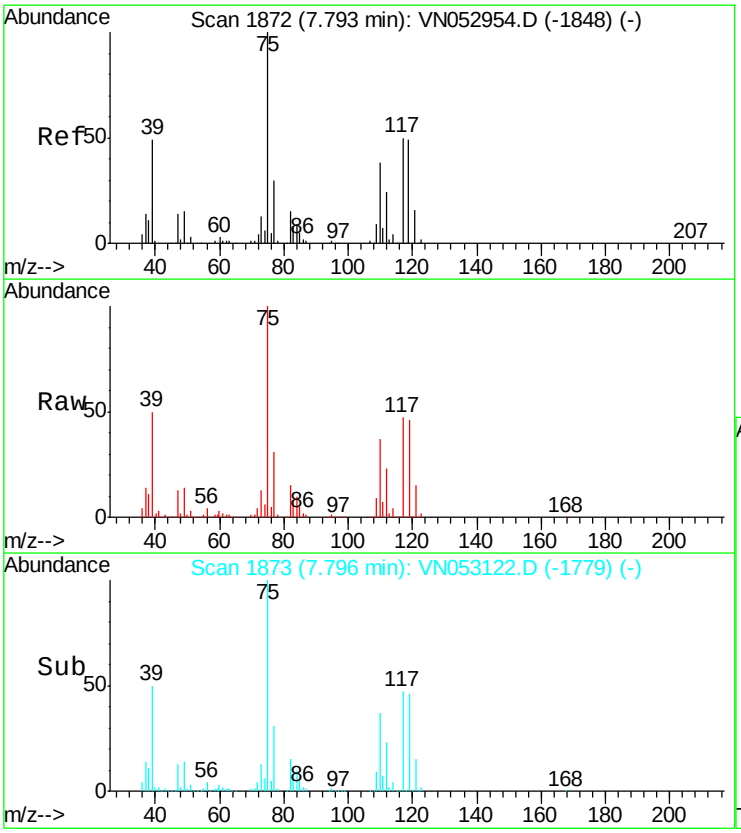
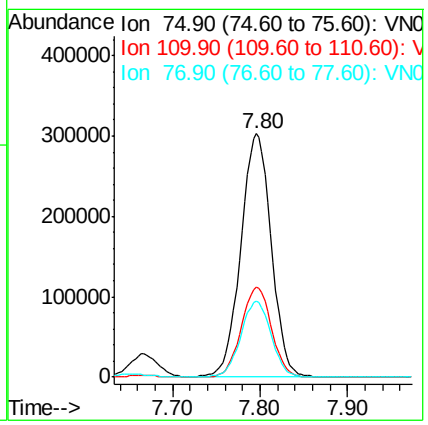
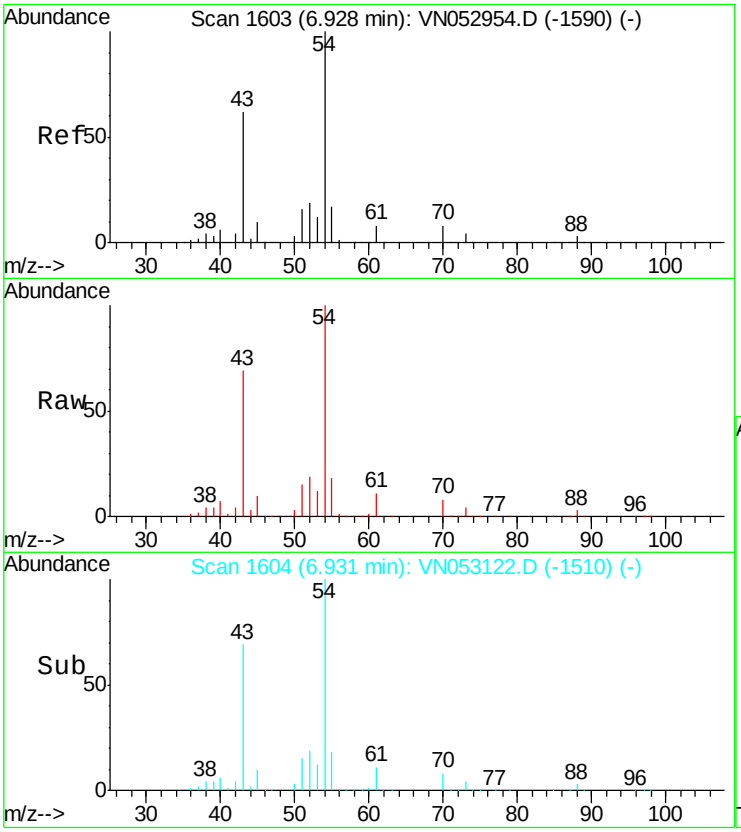


#36
1,1-Dichloropropene
Concen: 48.248 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 75 Resp: 727005

Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.2	54.6
77	31.4	24.9	37.3

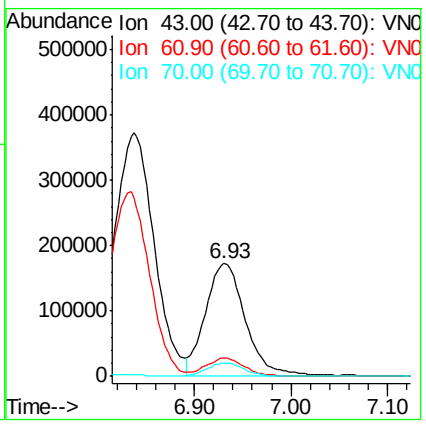




#37
Ethyl Acetate
Concen: 57.991 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 43 Resp: 487808

Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.8	17.6
70	11.4	8.4	12.6



Instrument :
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ClientSampleId :
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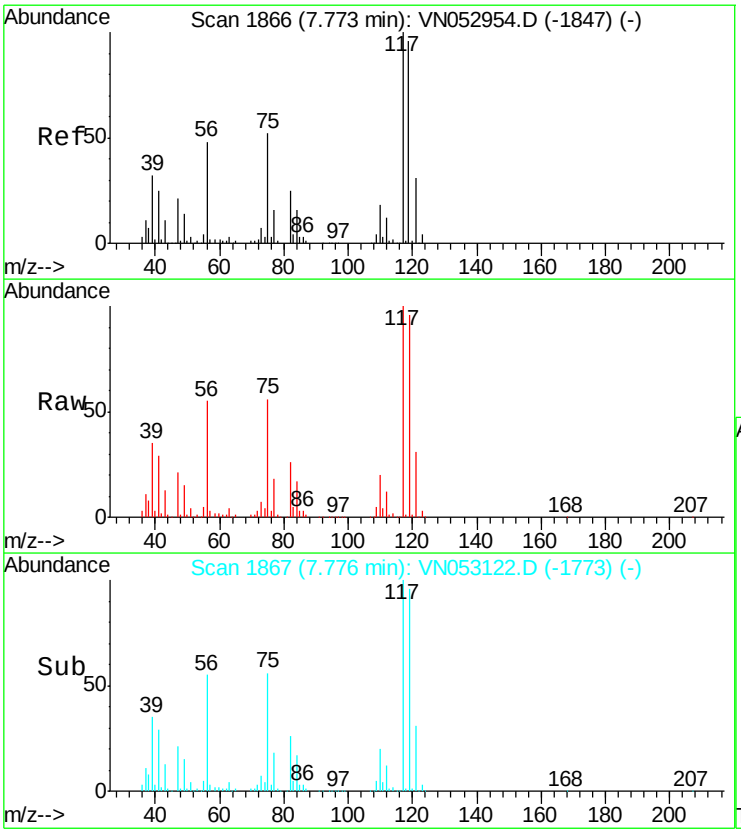
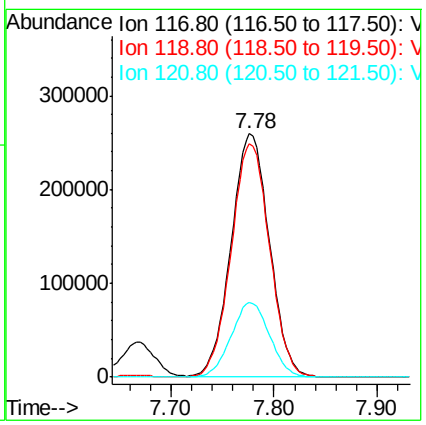
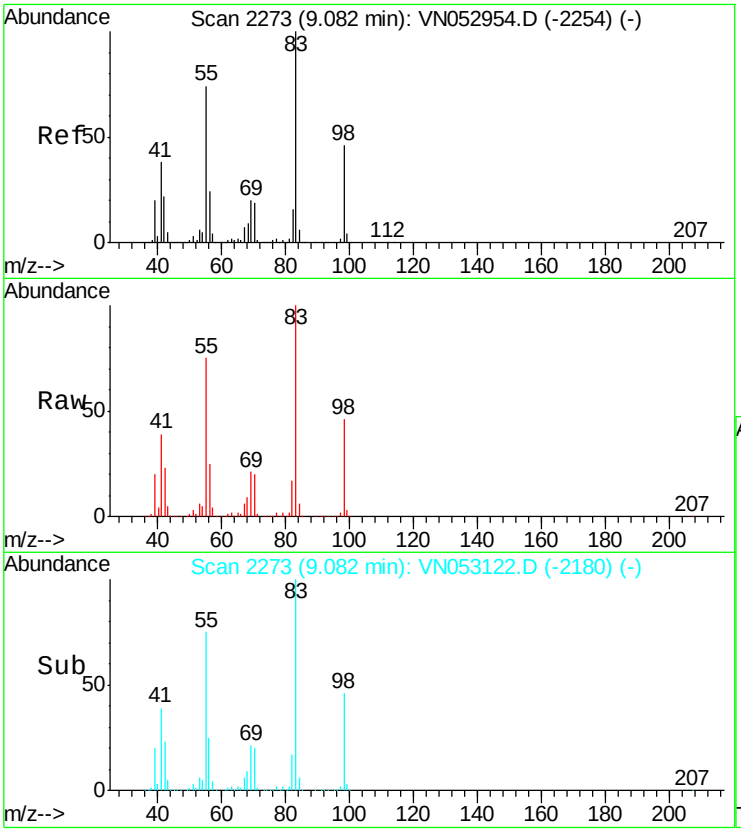


#38
Carbon Tetrachloride
Concen: 48.382 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion:117 Resp: 668219

Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.1	115.7
121	30.8	24.9	37.3

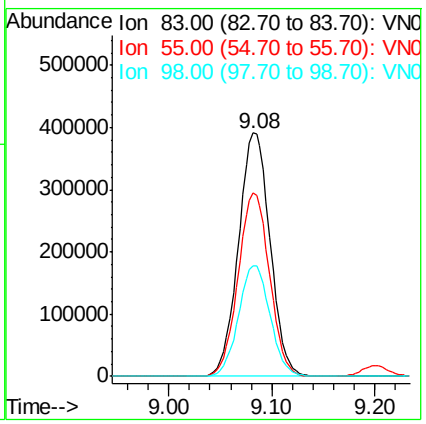




#39
Methylcyclohexane
Concen: 45.575 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 83 Resp: 834249

Ion	Ratio	Lower	Upper
83	100		
55	75.3	61.3	91.9
98	45.6	37.0	55.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
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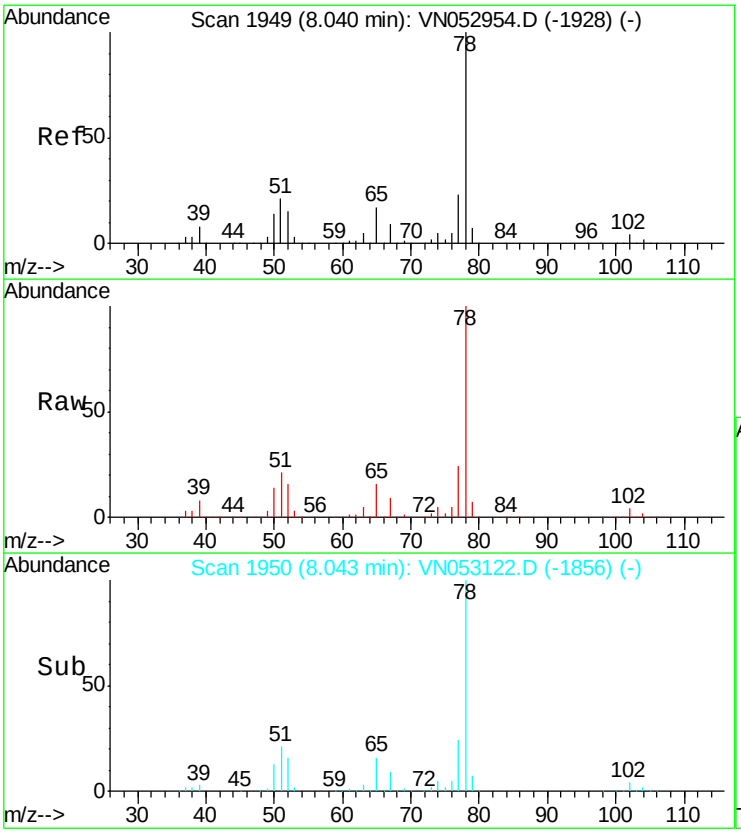
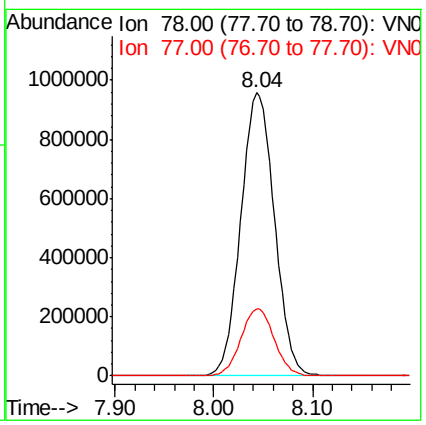
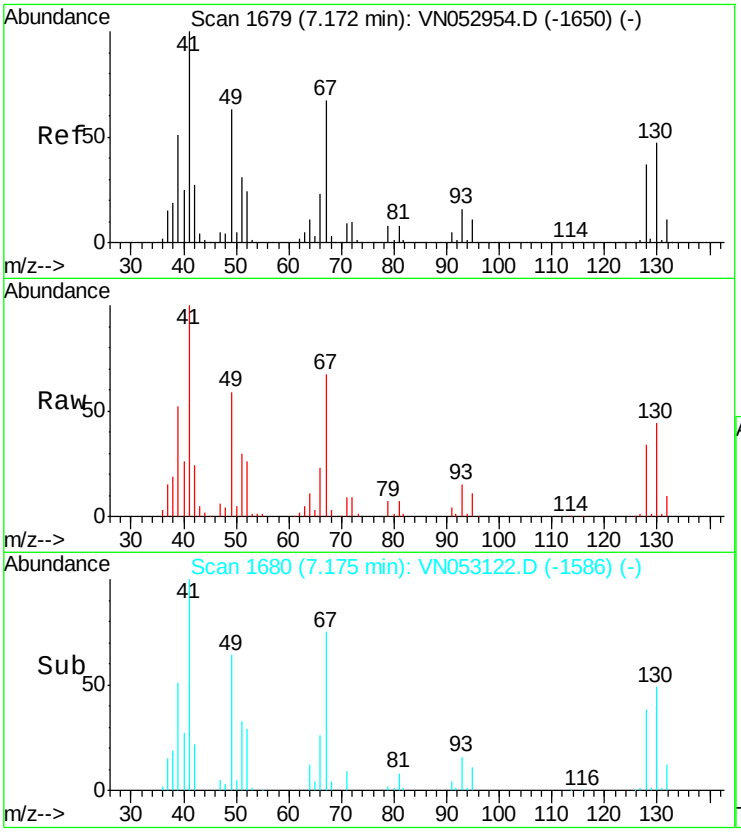


#40
Benzene
Concen: 50.319 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 78 Resp: 2255299

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.5	27.7

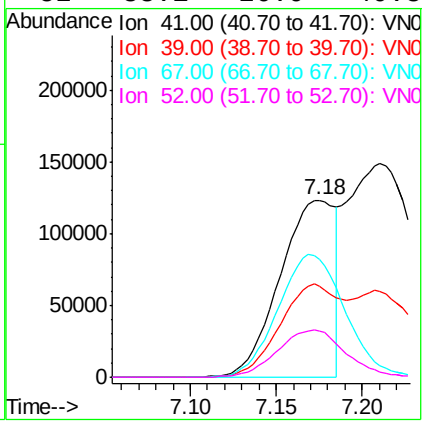




#41
Methacrylonitrile
Concen: 56.293 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 41 Resp: 273601

Ion	Ratio	Lower	Upper
41	100		
39	59.2	48.0	72.0
67	85.5	70.3	105.5
52	33.1	26.9	40.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
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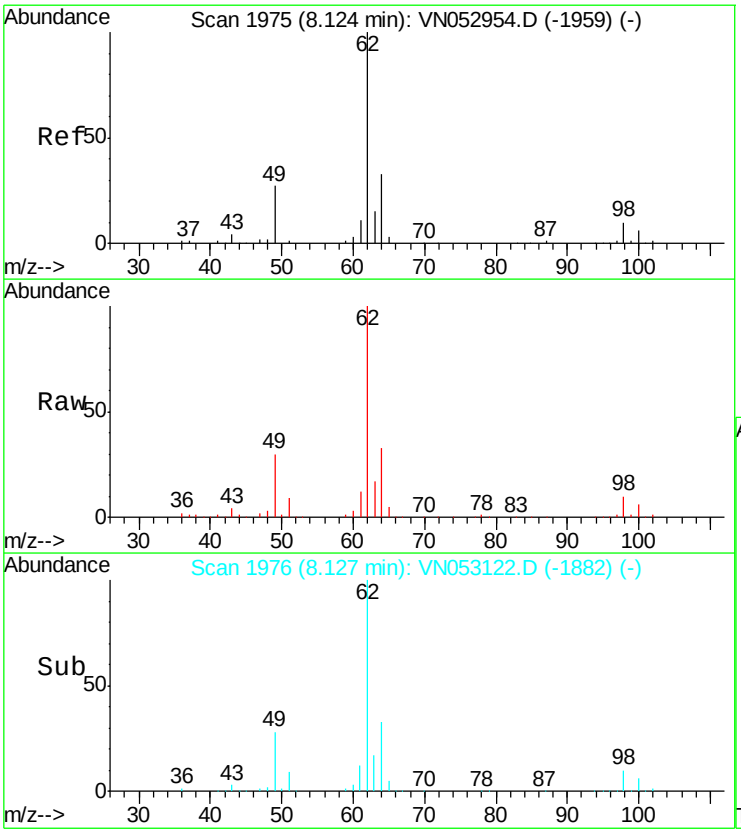
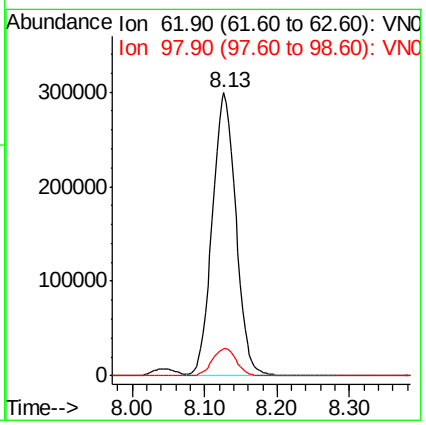
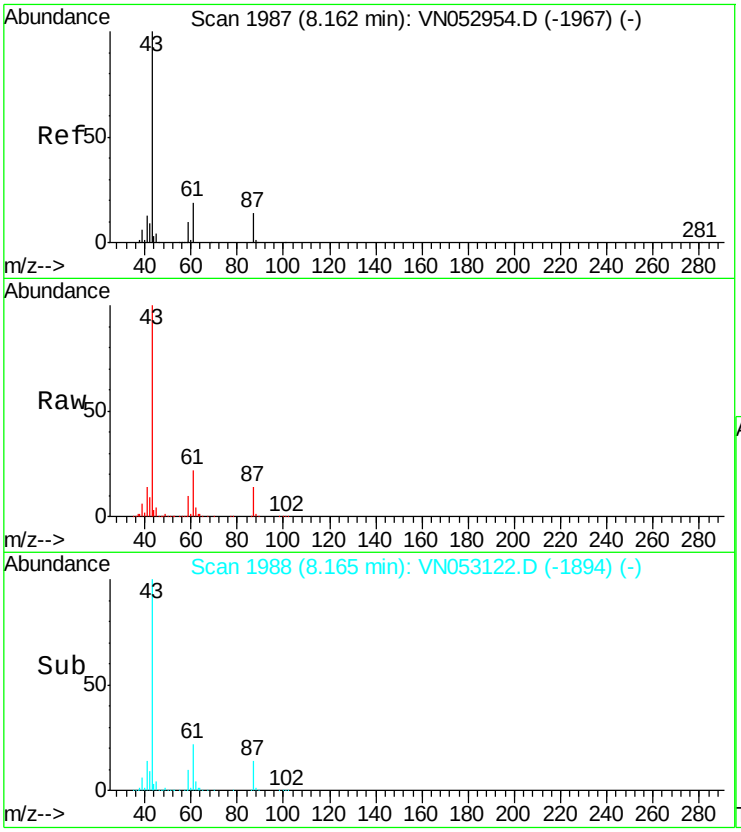


#42
1,2-Dichloroethane
Concen: 50.917 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 62 Resp: 674173

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.0

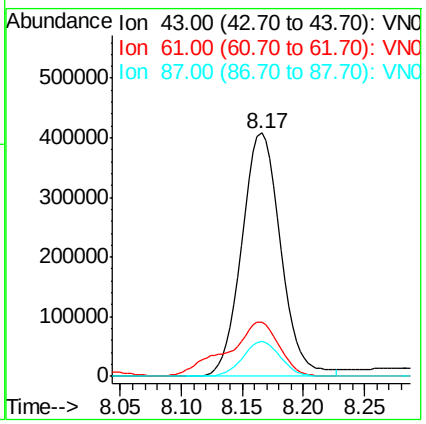




#43
Isopropyl Acetate
Concen: 55.369 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 43 Resp: 899497

Ion	Ratio	Lower	Upper
43	100		
61	29.6	22.9	34.3
87	13.9	10.6	15.8



Instrument :
MSVOA_N
ClientSampleId :
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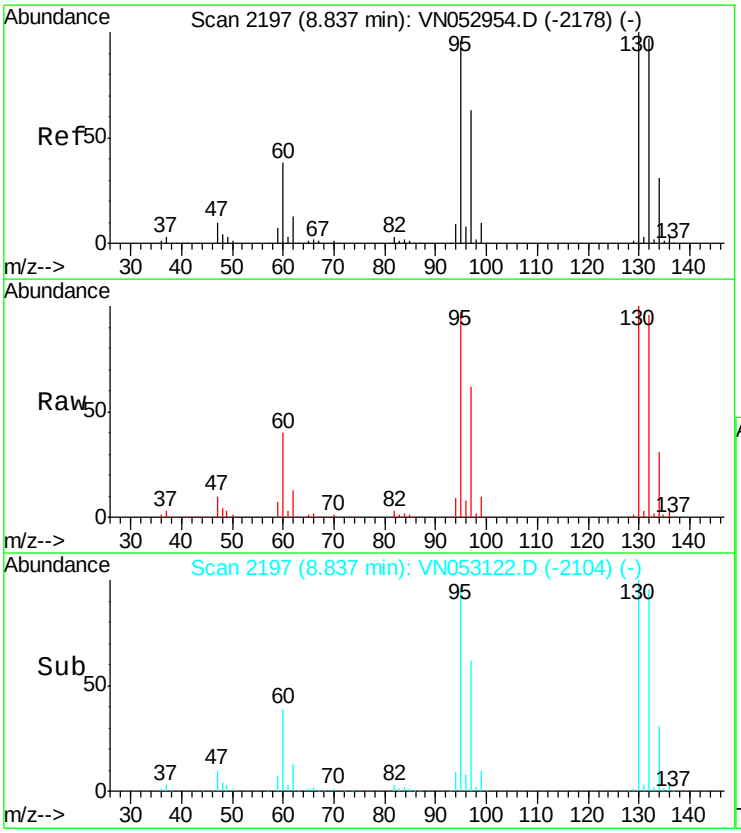
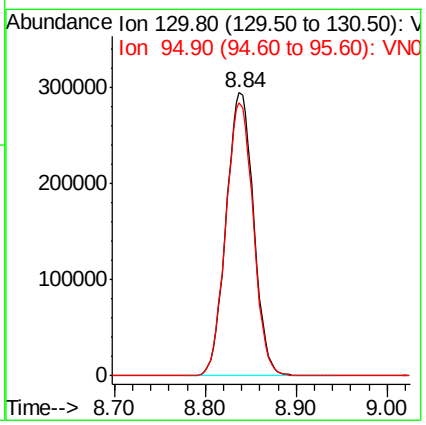
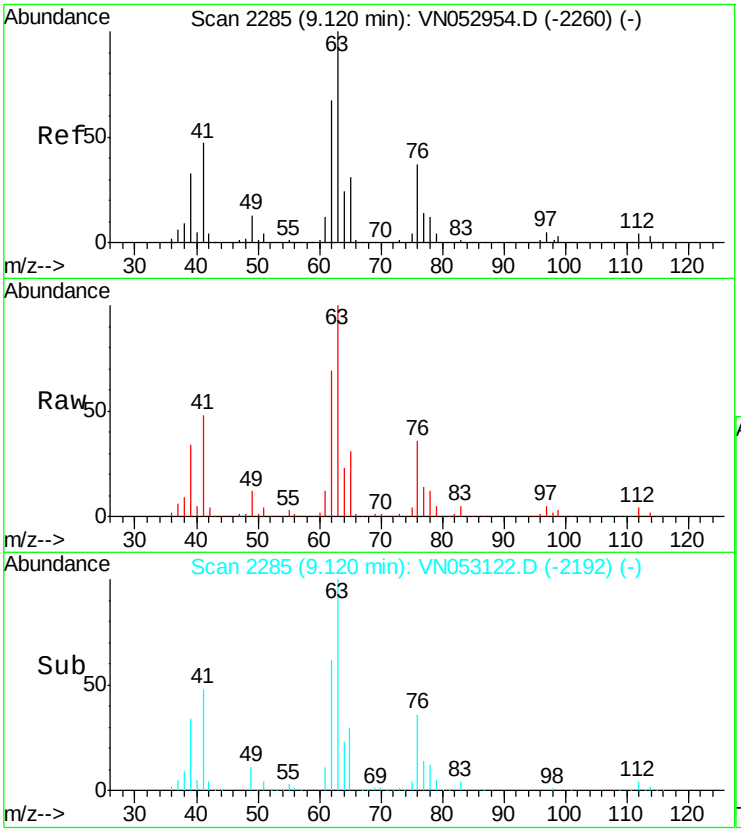


#44
Trichloroethene
Concen: 47.656 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion:130 Resp: 617798

Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	197.8

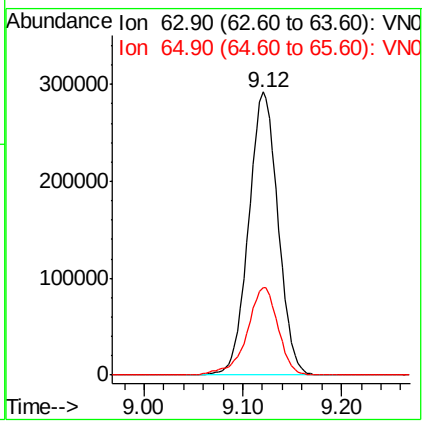




#45
1,2-Dichloropropane
Concen: 51.358 ug/l
RT: 9.12 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 63 Resp: 599575

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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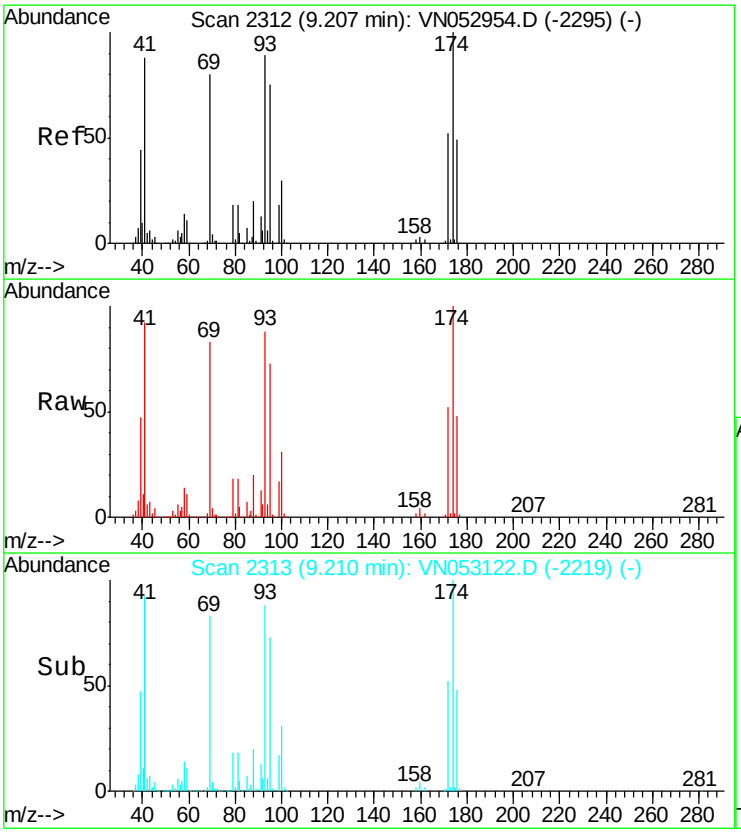
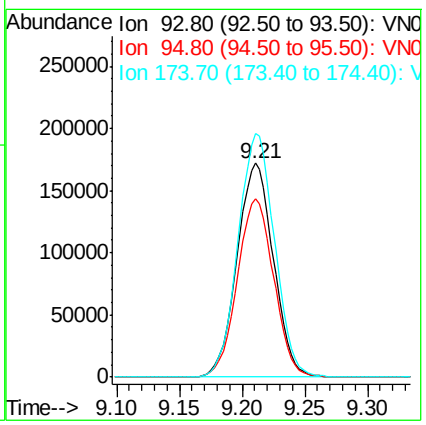
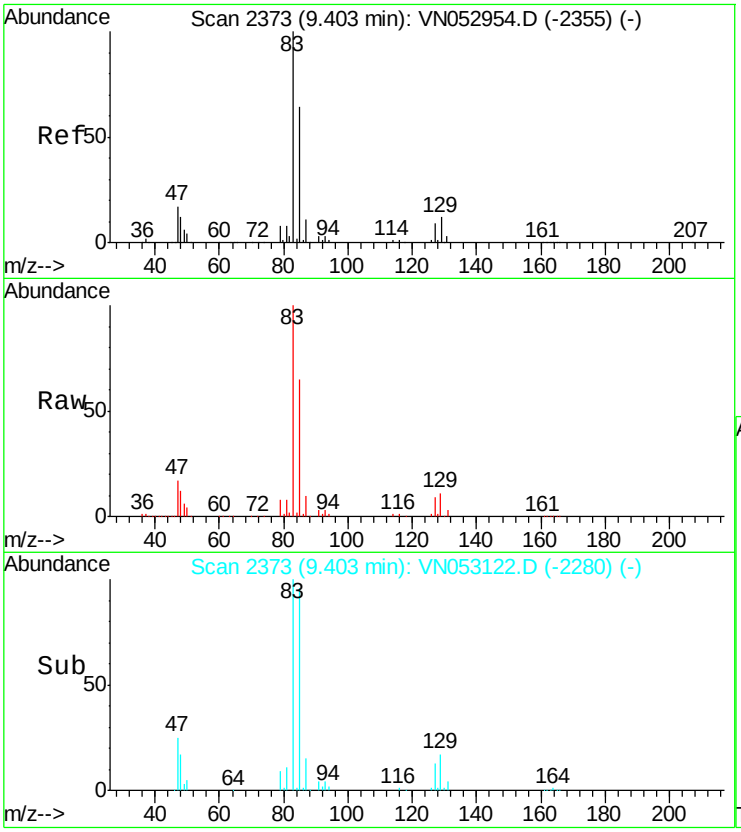


#46
Dibromomethane
Concen: 51.165 ug/l
RT: 9.21 min Scan# 2313
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 93 Resp: 347961

Ion	Ratio	Lower	Upper
93	100		
95	83.4	67.8	101.6
174	114.6	89.0	133.4

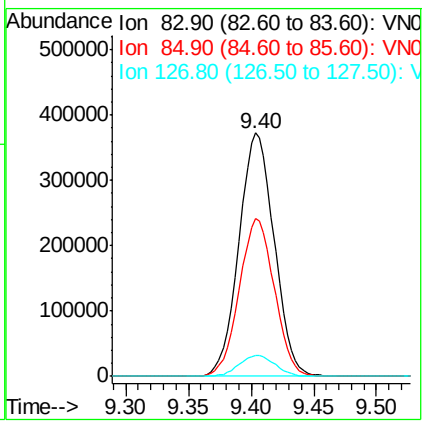




#47
Bromodichloromethane
Concen: 50.442 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 83 Resp: 729199

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.6	77.4
127	8.7	7.1	10.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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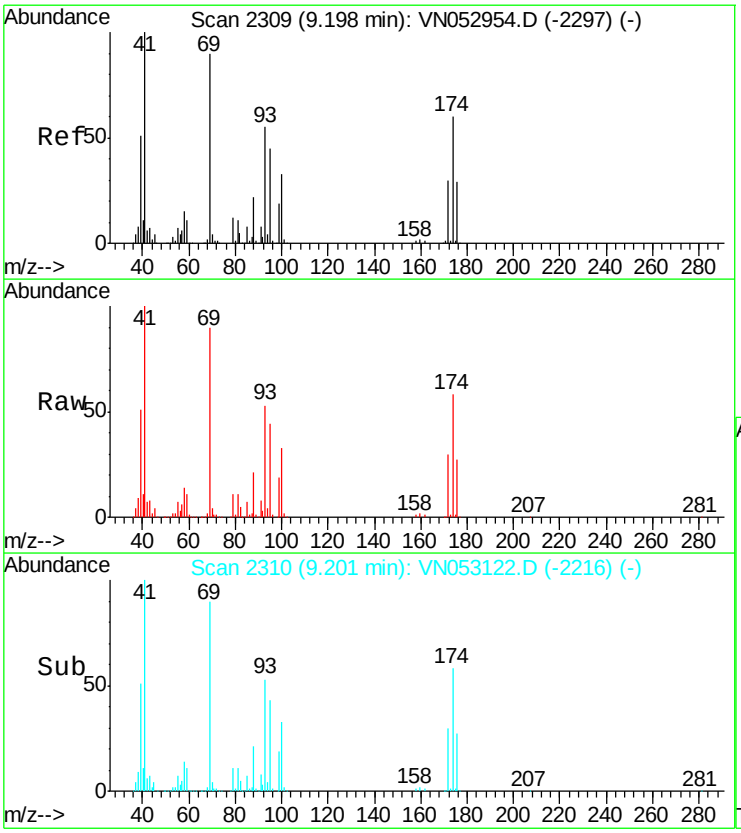
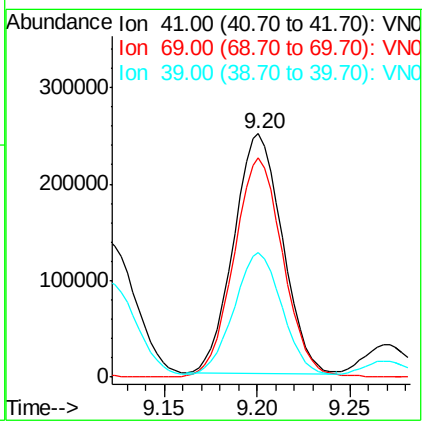
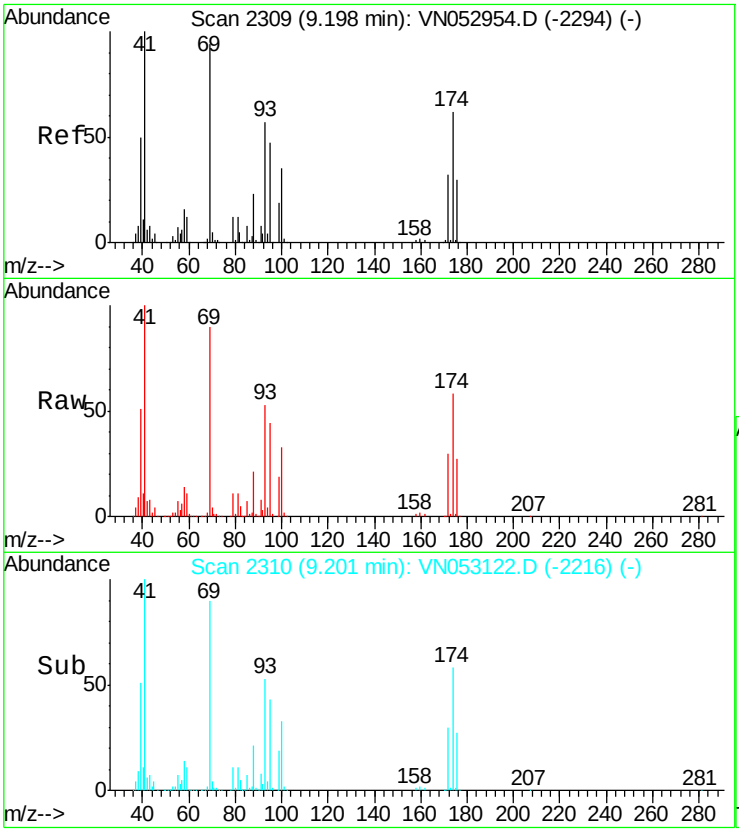


#48
Methyl methacrylate
Concen: 55.679 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 41 Resp: 454485

Ion	Ratio	Lower	Upper
41	100		
69	92.3	72.2	108.2
39	52.1	41.9	62.9

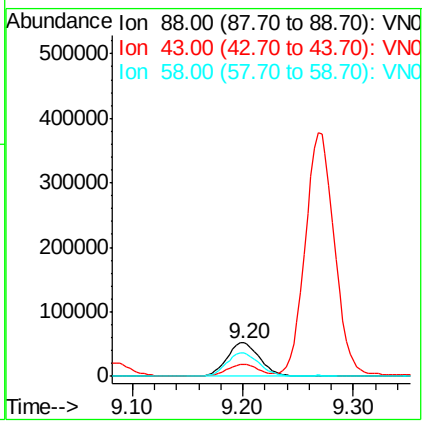




#49
1,4-Dioxane
Concen: 1047.788 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 88 Resp: 108187

Ion	Ratio	Lower	Upper
88	100		
43	32.0	26.6	40.0
58	69.1	58.4	87.6



Instrument :
MSVOA_N
ClientSampleId :
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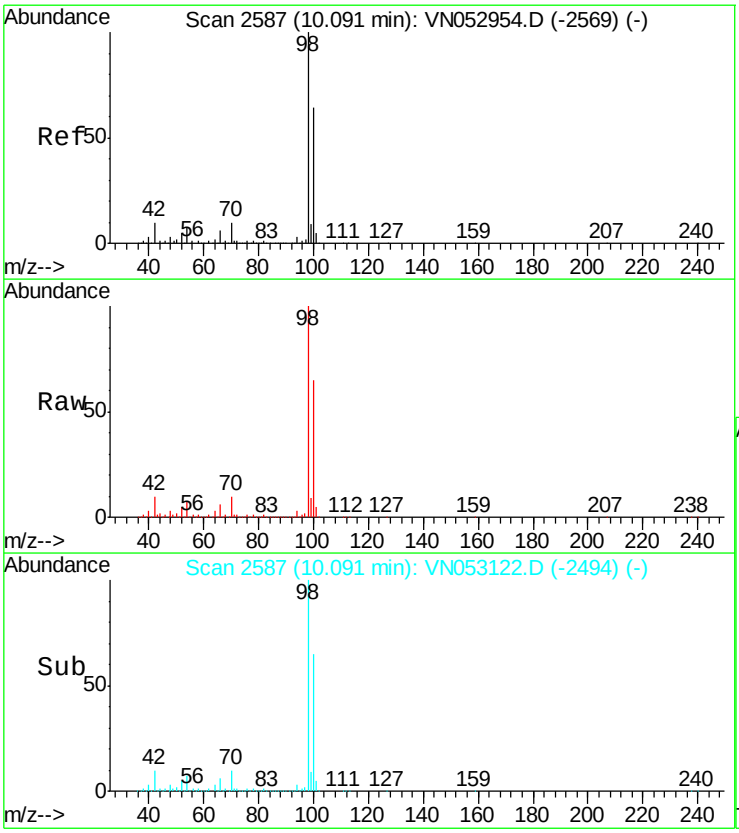
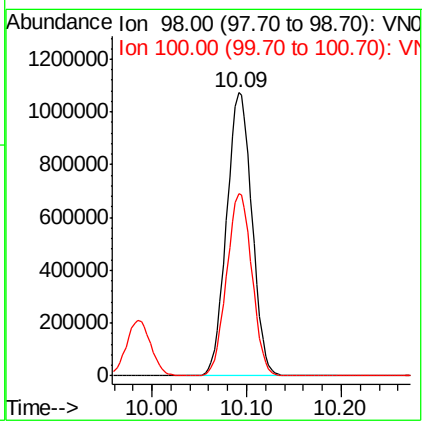
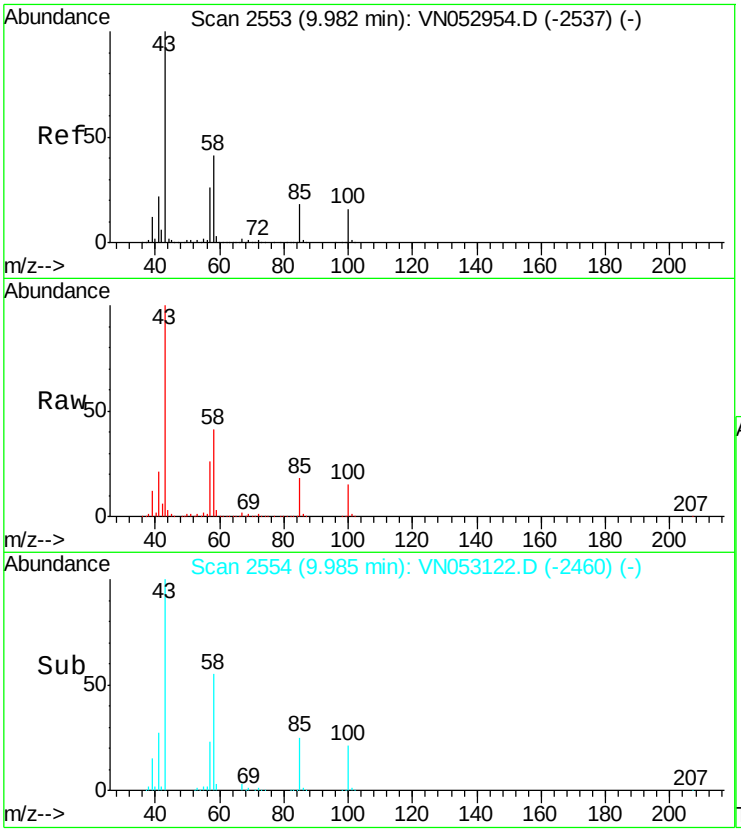


#50
Toluene-d8
Concen: 1047.788 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 98 Resp: 2000463

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4

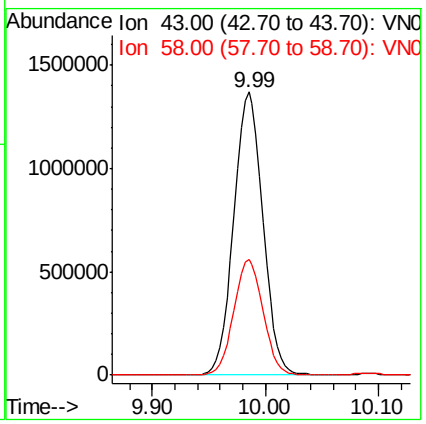




#51
4-Methyl-2-Pentanone
Concen: 301.818 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 43 Resp: 2458662

Ion	Ratio	Lower	Upper
43	100		
58	40.9	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
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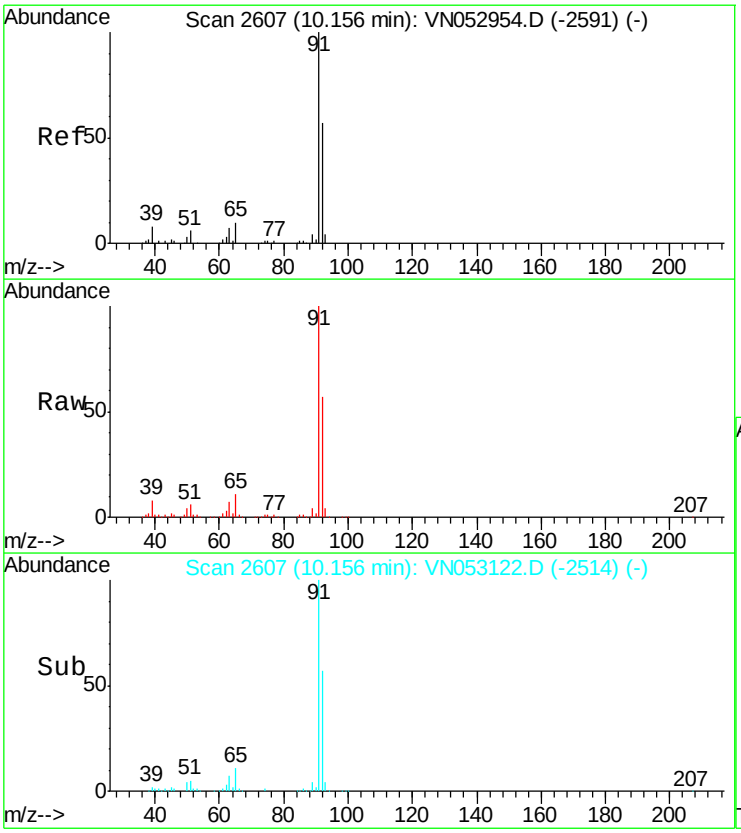
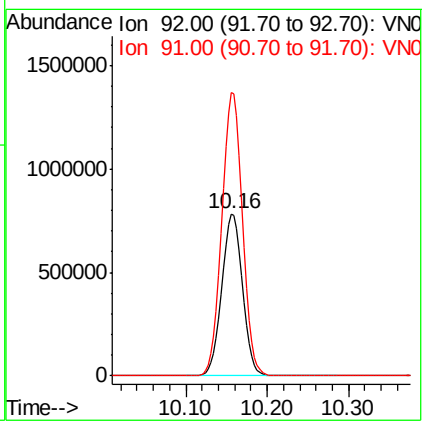
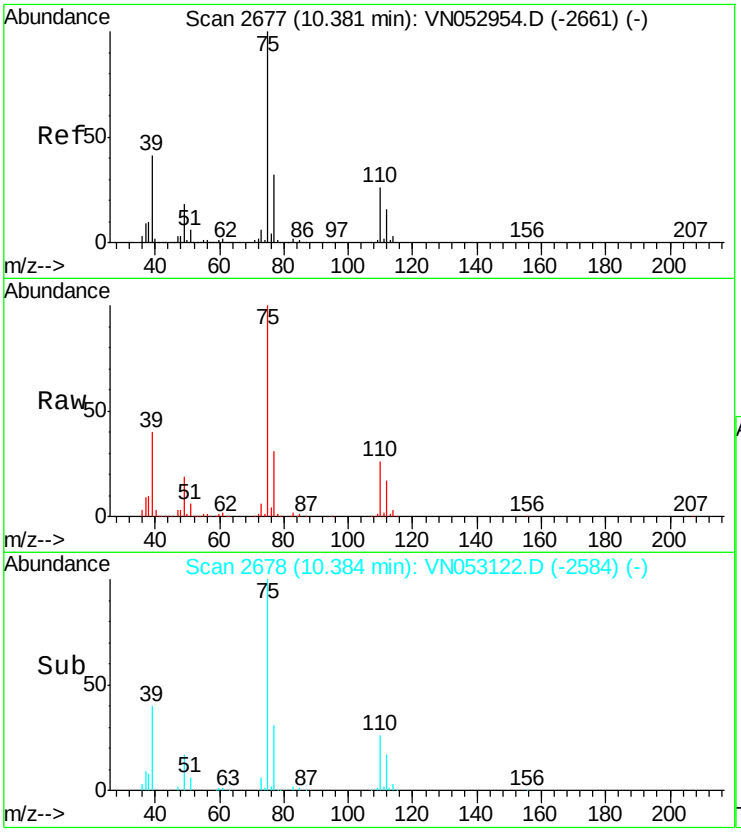


#52
Toluene
Concen: 50.787 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 92 Resp: 1410897

Ion	Ratio	Lower	Upper
92	100		
91	174.6	139.8	209.6

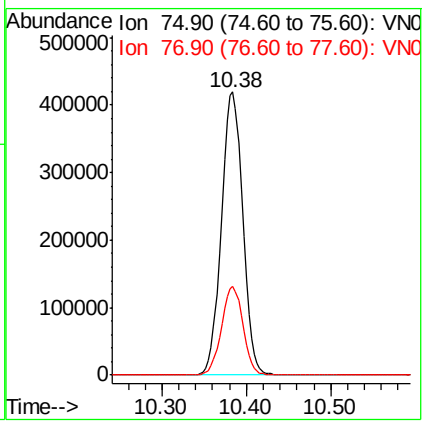




#53
t-1,3-Dichloropropene
Concen: 48.526 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 75 Resp: 737662

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.6	38.4



Instrument :
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ClientSampleId :
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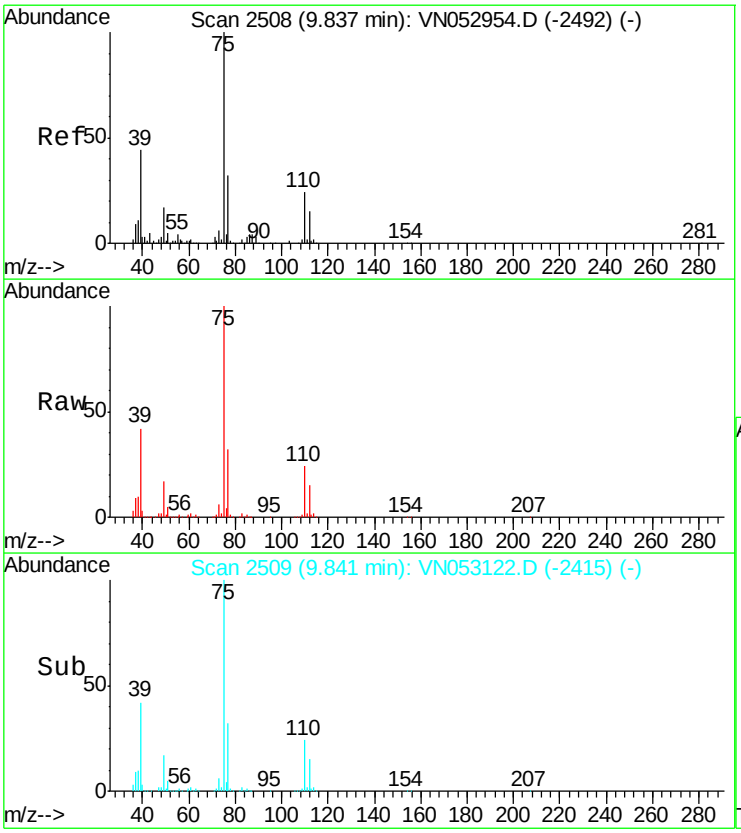
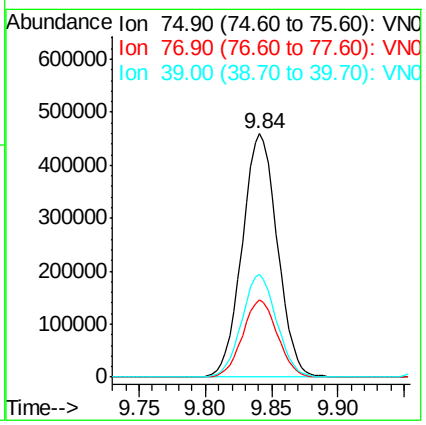
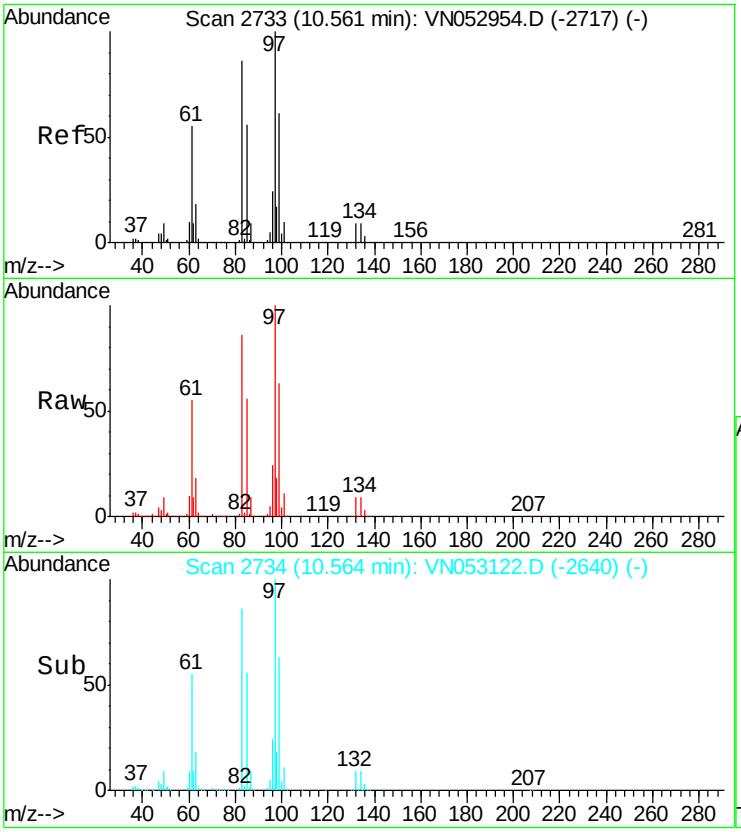


#54
cis-1,3-Dichloropropene
Concen: 48.484 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 75 Resp: 845972

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.8	38.8
39	42.0	34.8	52.2

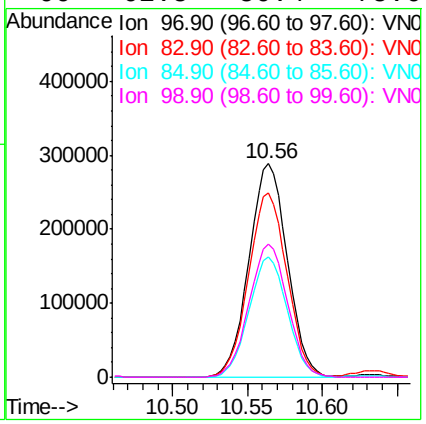




#55
1,1,2-Trichloroethane
Concen: 53.176 ug/l
RT: 10.56 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 97 Resp: 515376

Ion	Ratio	Lower	Upper
97	100		
83	86.1	70.9	106.3
85	56.1	45.4	68.2
99	62.5	50.4	75.6



Instrument :
MSVOA_N
ClientSampleId :
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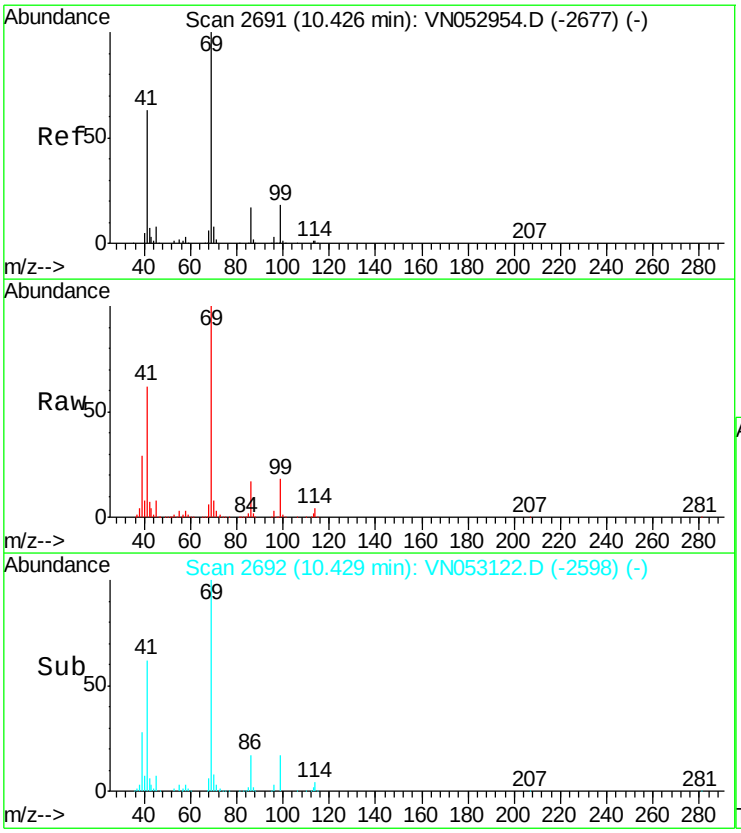
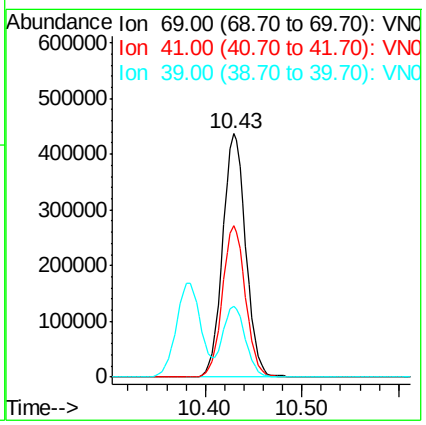
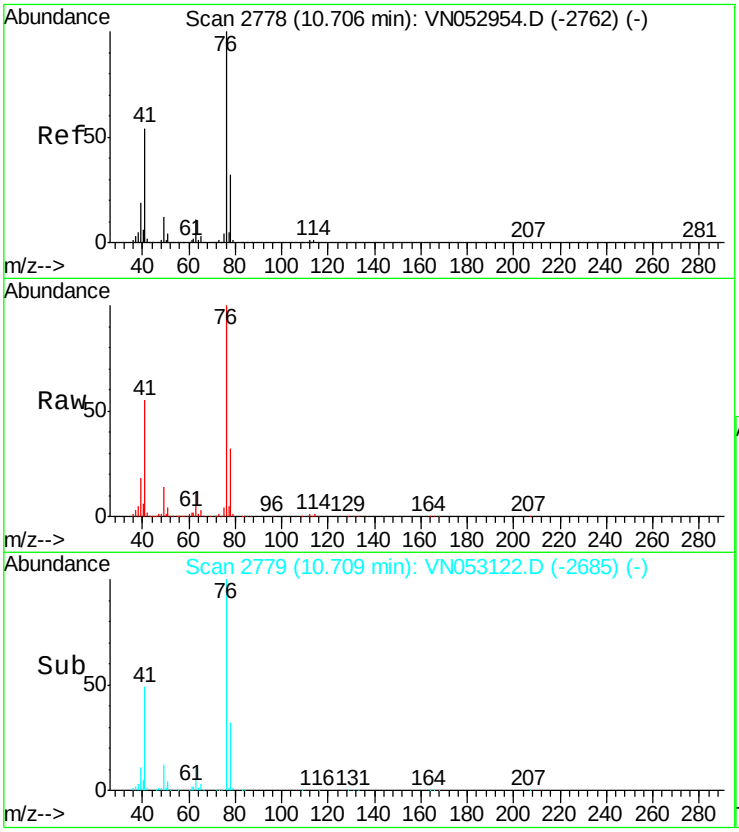


#56
Ethyl methacrylate
Concen: 56.225 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 69 Resp: 721253

Ion	Ratio	Lower	Upper
69	100		
41	61.7	51.7	77.5
39	29.4	24.6	37.0

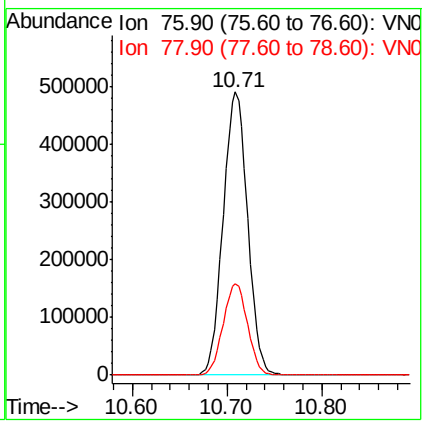




#57
1,3-Dichloropropane
Concen: 53.046 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 76 Resp: 881608

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8



Instrument :
MSVOA_N
ClientSampleId :
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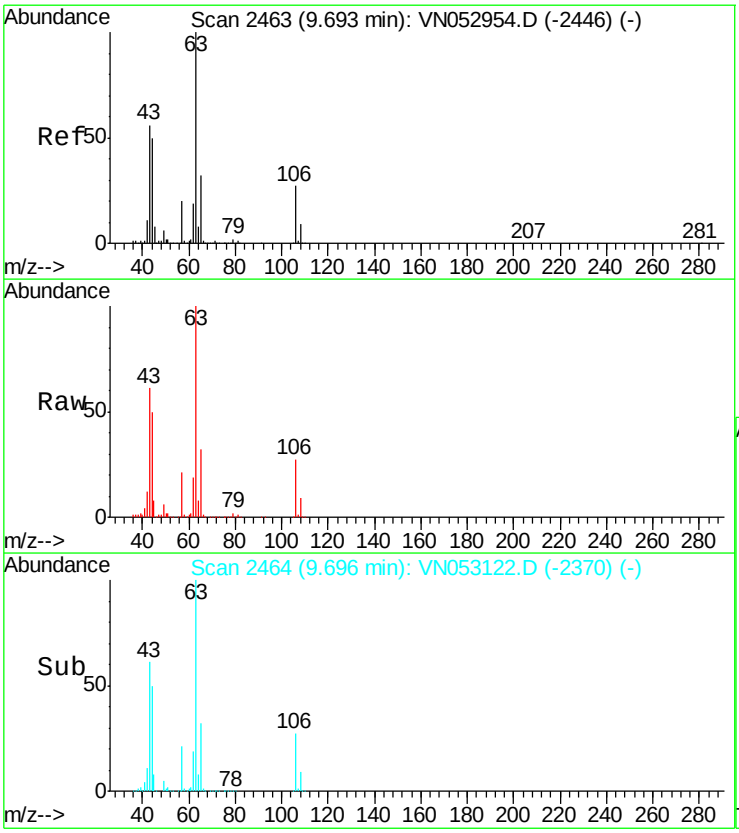
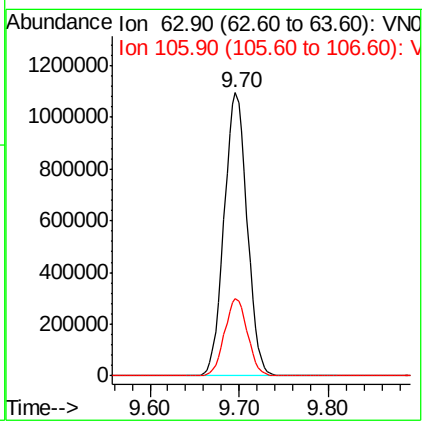
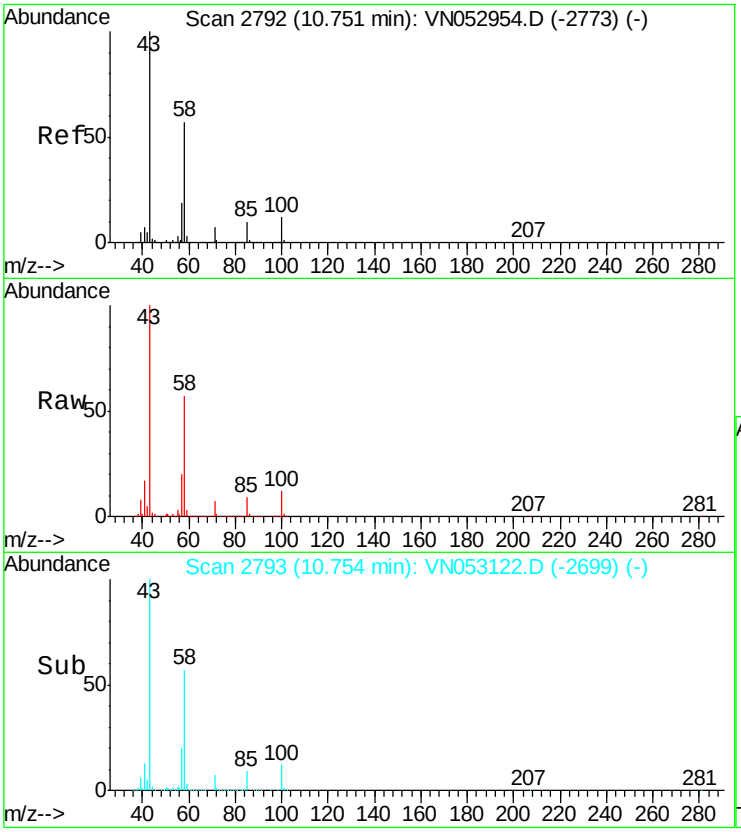


#58
2-Chloroethyl Vinyl ether
Concen: 277.228 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 63 Resp: 1952393

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.0	31.6





#59
2-Hexanone
Concen: 304.357 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 43 Resp: 1677477

Ion	Ratio	Lower	Upper
43	100		
58	57.1	28.1	84.3

Instrument :
MSVOA_N
ClientSampleId :
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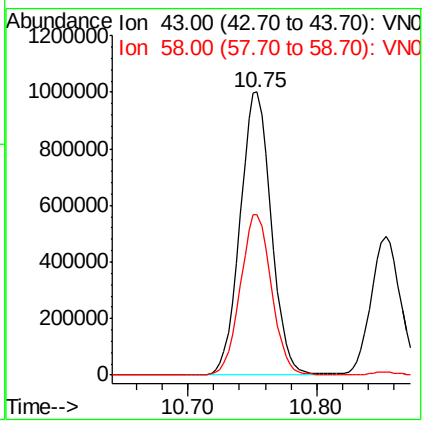
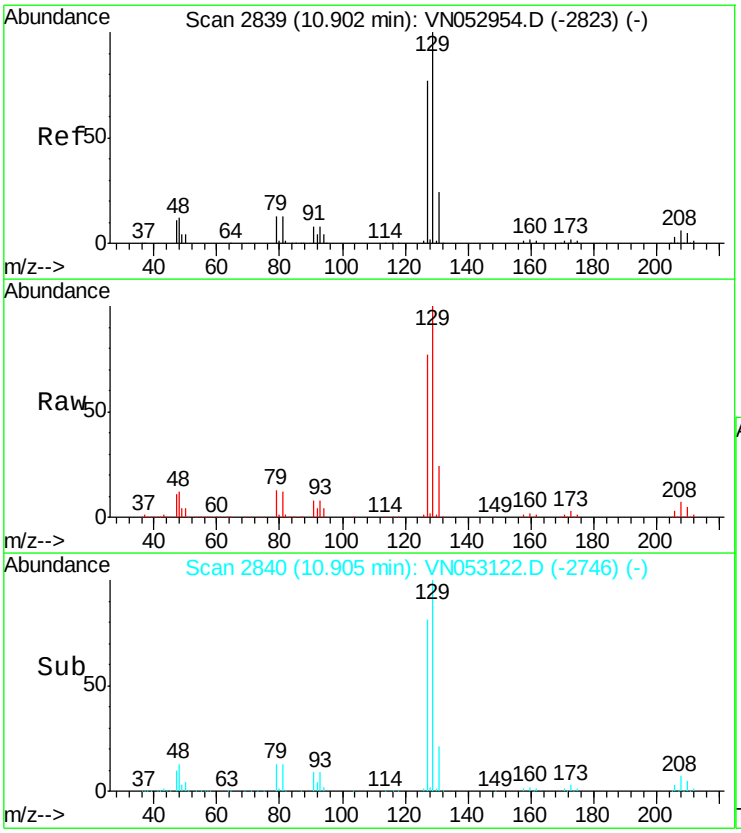
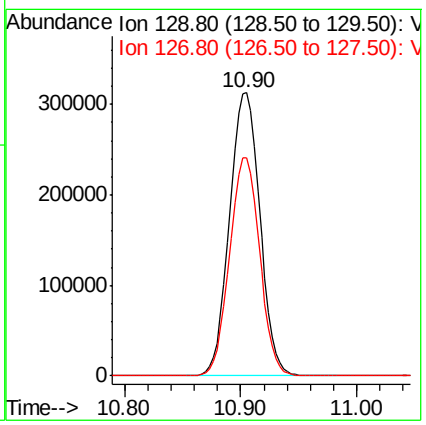


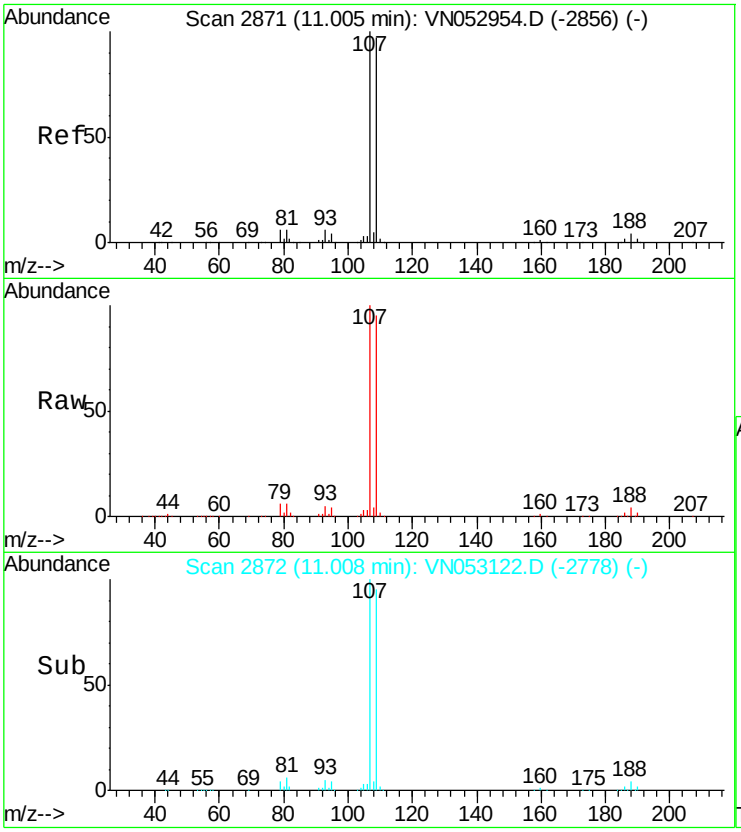


#60
Dibromochloromethane
Concen: 51.145 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion:129 Resp: 567395

Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.6	116.0





#61
1,2-Dibromoethane
Concen: 52.532 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion:107 Resp: 517073

Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.4	113.0

Instrument :
MSVOA_N
ClientSampleId :
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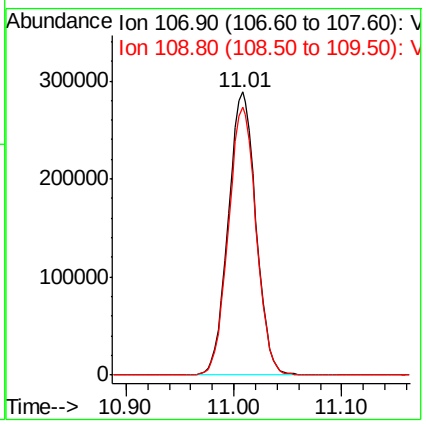
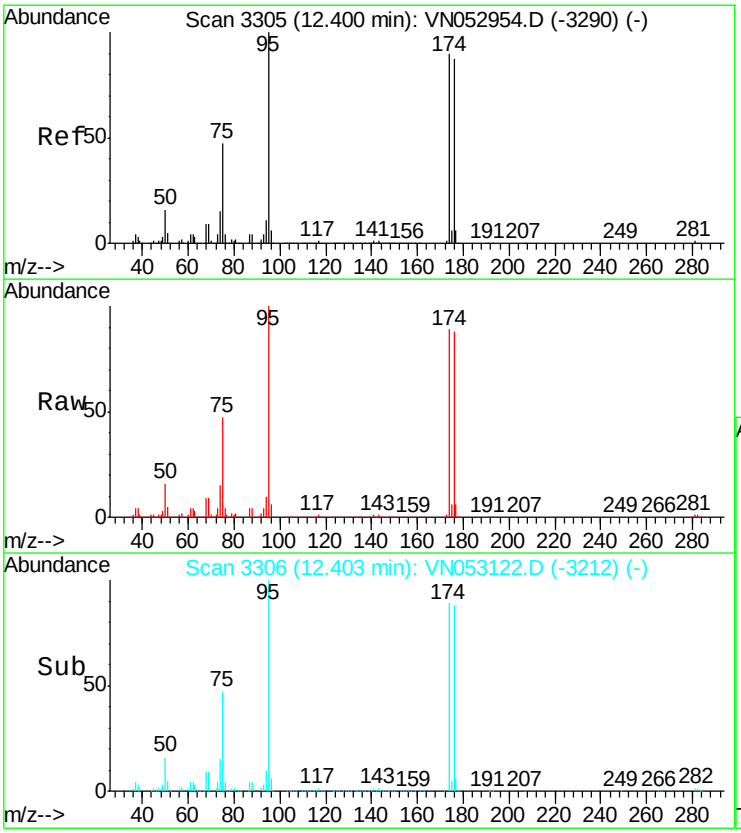
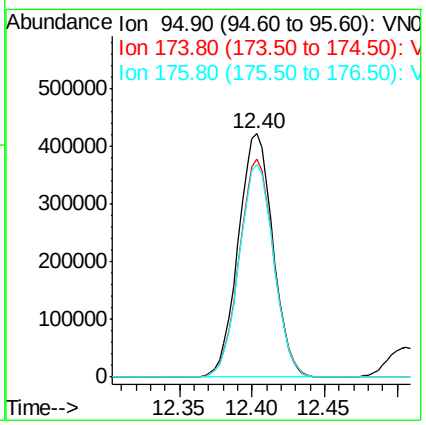


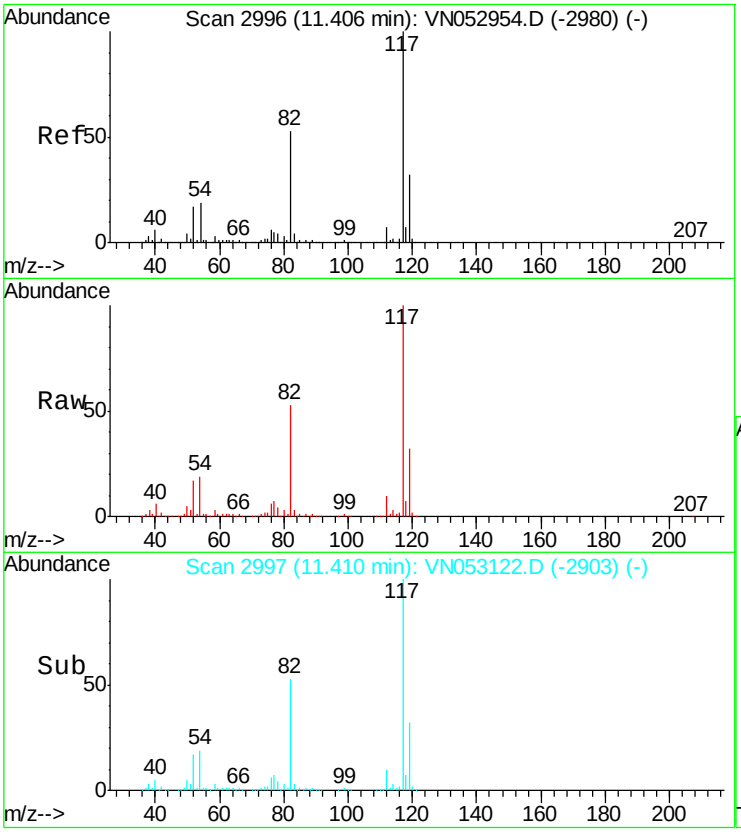


#62
4-Bromofluorobenzene
Concen: 52.532 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 95 Resp: 700651

Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	178.8
176	87.3	0.0	173.8

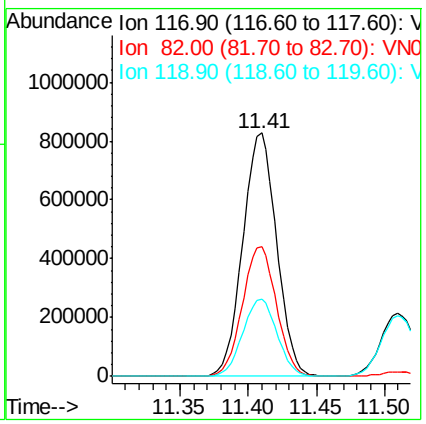




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion:117 Resp: 1426065

Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.8	64.2
119	31.8	25.5	38.3



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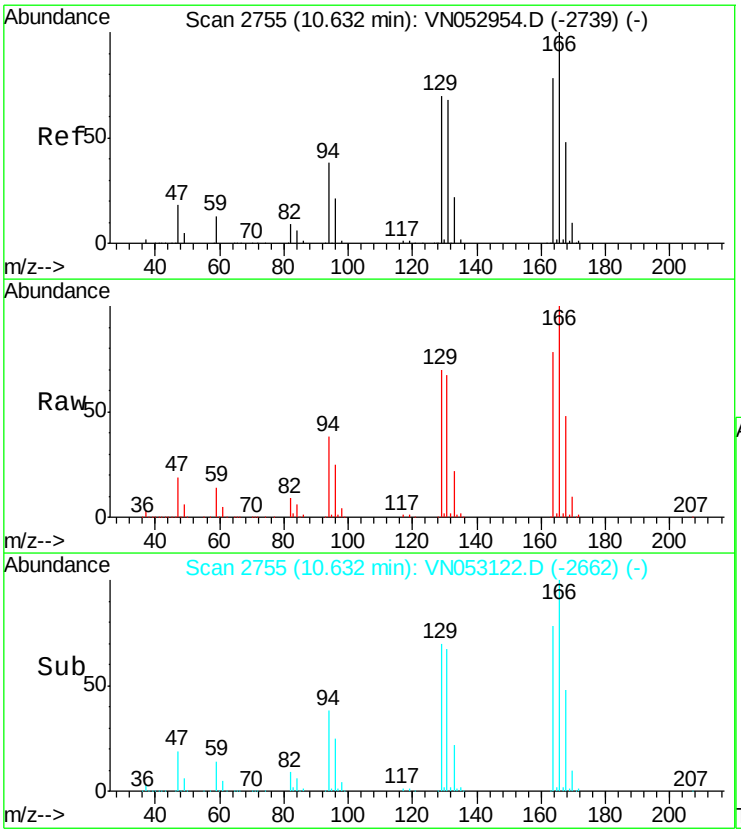
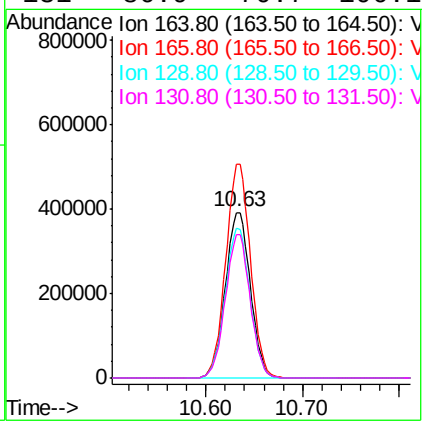
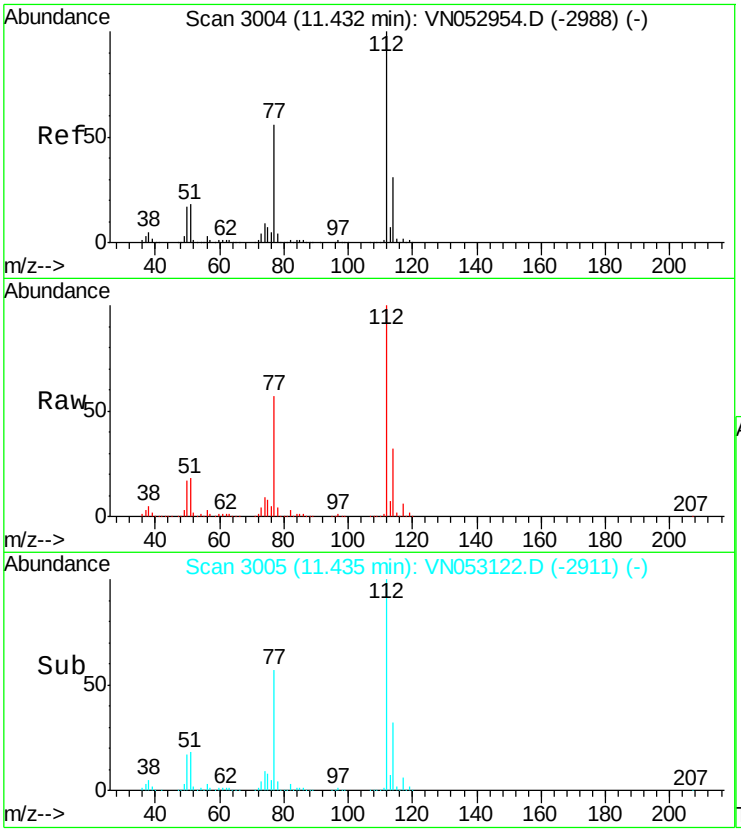


#64
Tetrachloroethene
Concen: 45.471 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion:164 Resp: 702415

Ion	Ratio	Lower	Upper
164	100		
166	128.9	102.9	154.3
129	90.7	73.7	110.5
131	86.9	70.7	106.1





#65
Chlorobenzene
Concen: 49.231 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion:112 Resp: 1556283

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.5	38.3

Instrument :
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ClientSampleId :
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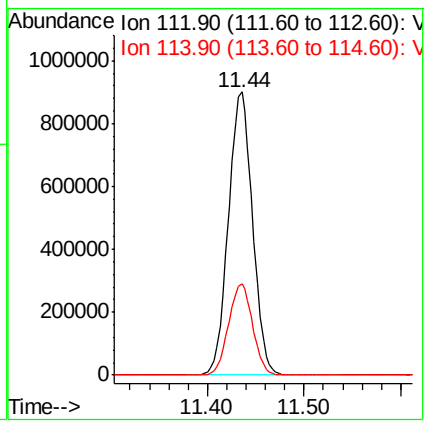
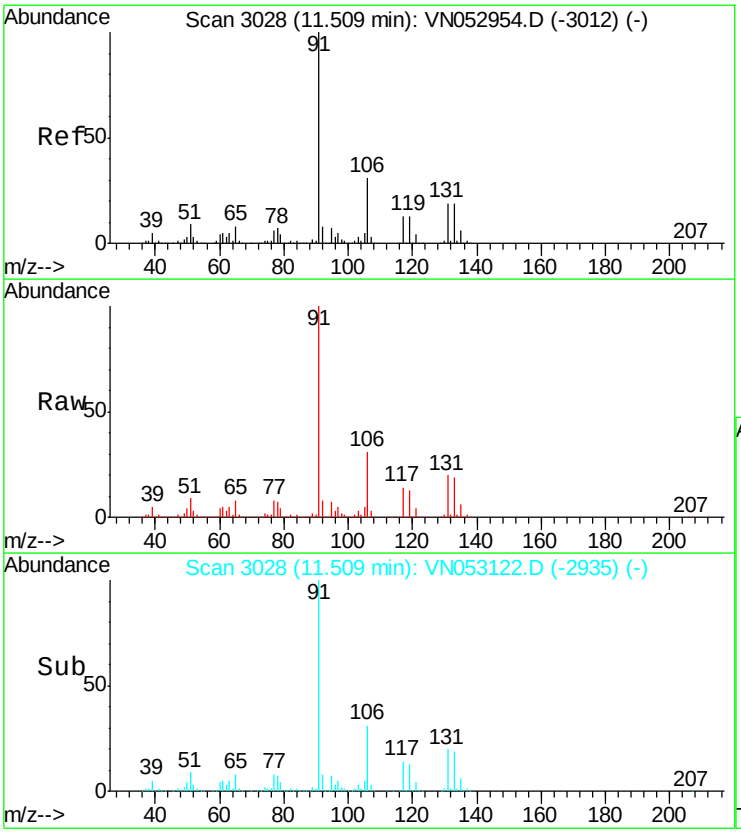
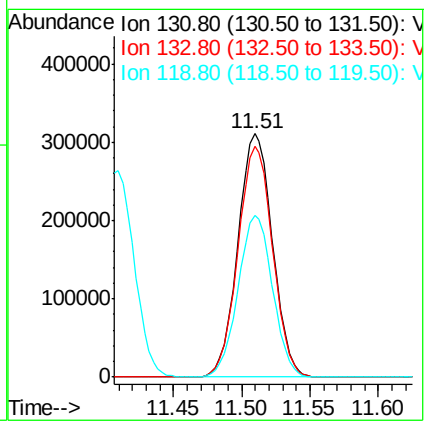


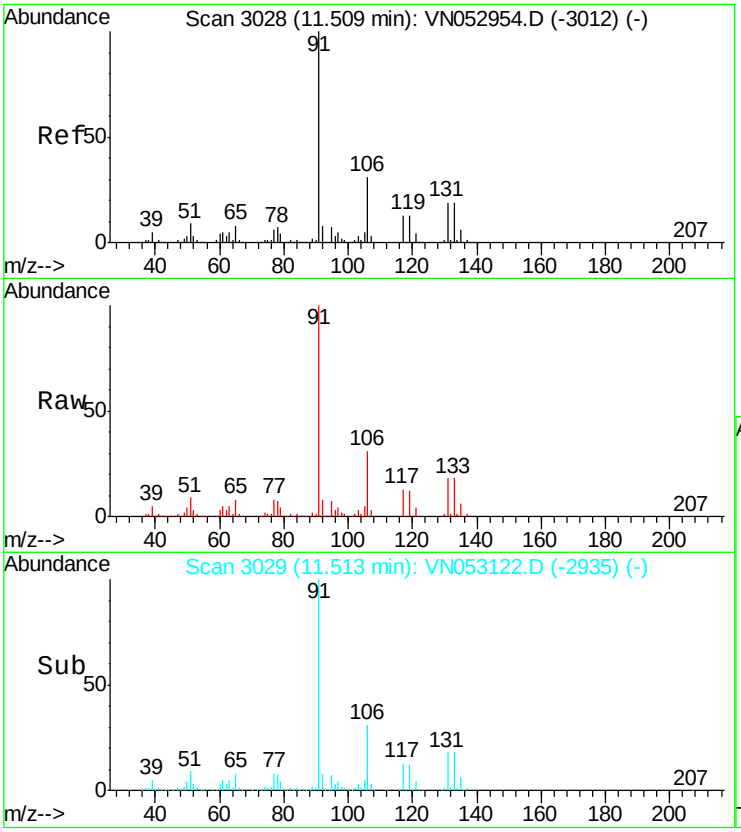


#66
1,1,1,2-Tetrachloroethane
Concen: 49.656 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion:131 Resp: 545868

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.6	142.9
119	66.3	33.3	99.8

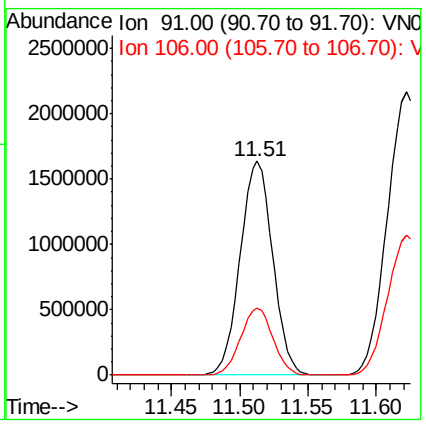




#67
Ethyl Benzene
Concen: 49.821 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 91 Resp: 2708498

Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.9	37.3



Instrument :
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ClientSampleId :
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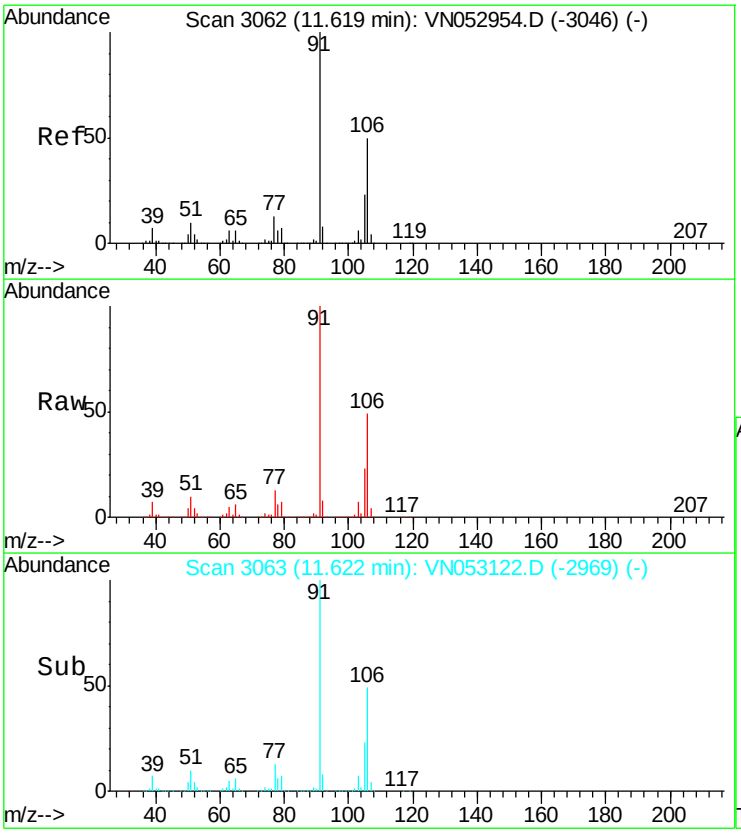
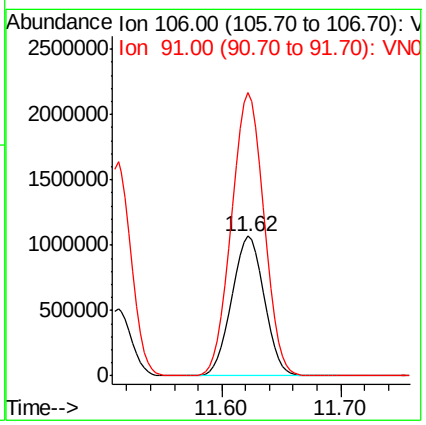
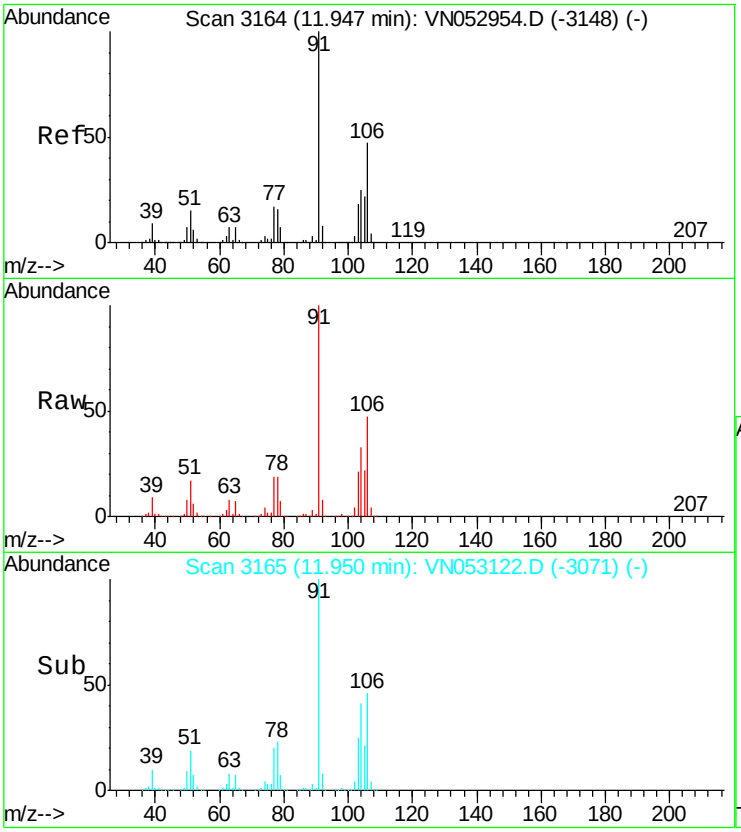


#68
m/p-Xylenes
Concen: 97.945 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion:106 Resp: 2024217

Ion	Ratio	Lower	Upper
106	100		
91	202.8	162.2	243.4

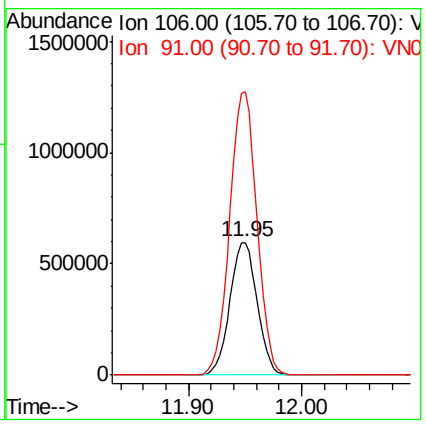




#69
o-Xylene
Concen: 50.453 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion:106 Resp: 1000555

Ion	Ratio	Lower	Upper
106	100		
91	212.6	106.6	319.8



Instrument :
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ClientSampleId :
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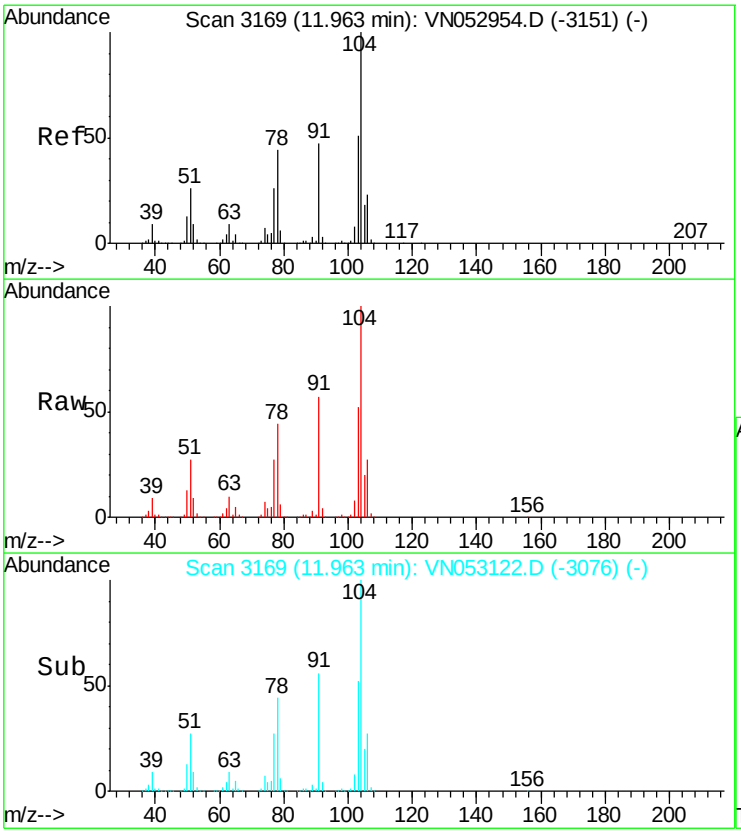
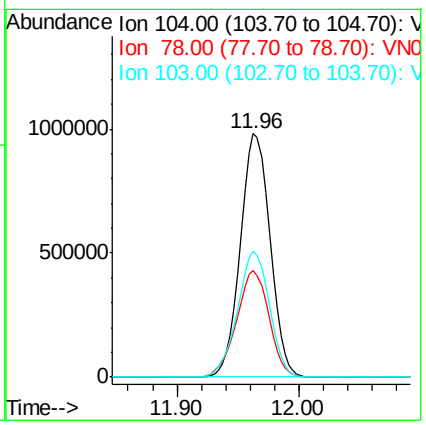
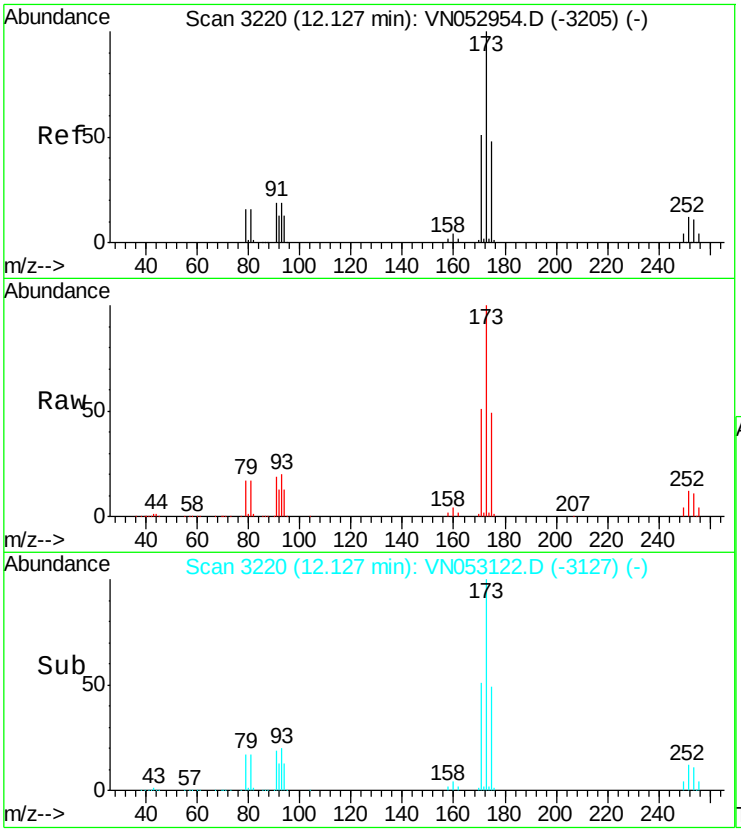


#70
Styrene
Concen: 50.904 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion:104 Resp: 1646101

Ion	Ratio	Lower	Upper
104	100		
78	47.8	38.9	58.3
103	55.5	44.3	66.5

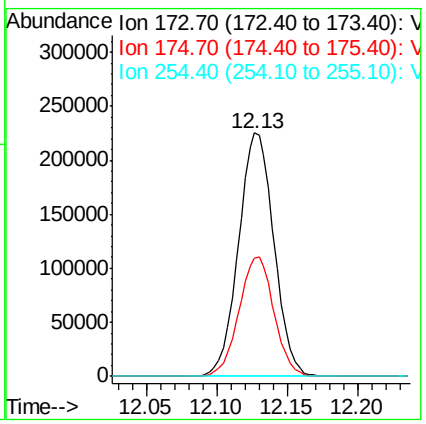




#71
Bromoform
Concen: 49.763 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion:173 Resp: 395194

Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.9
254	0.1	0.1	0.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
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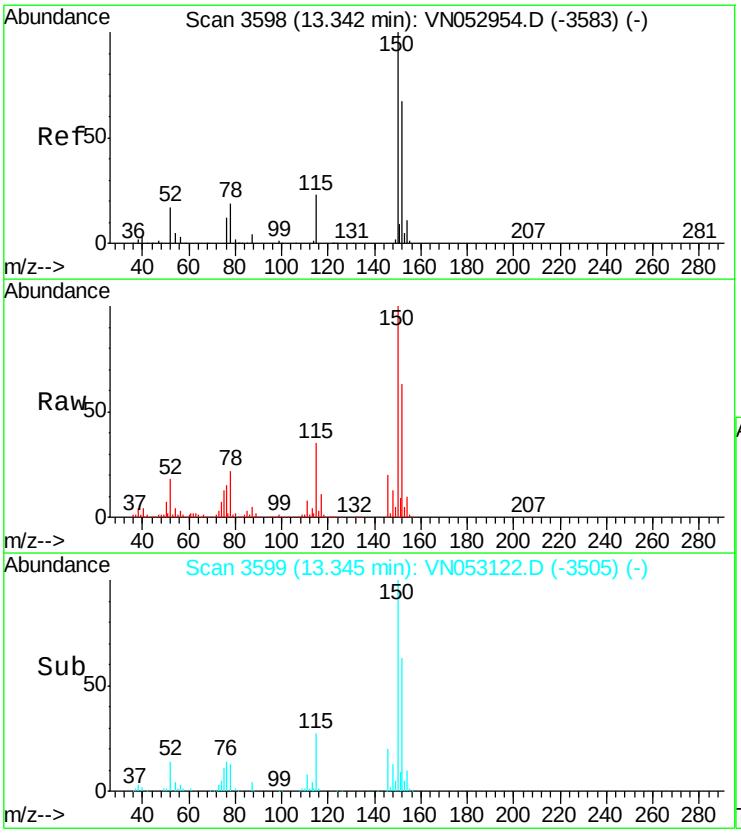
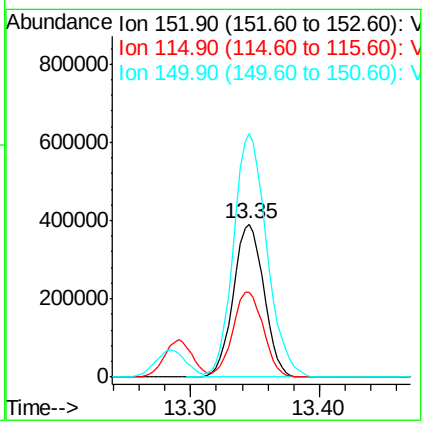
12/22/2018 10:50:21 AM

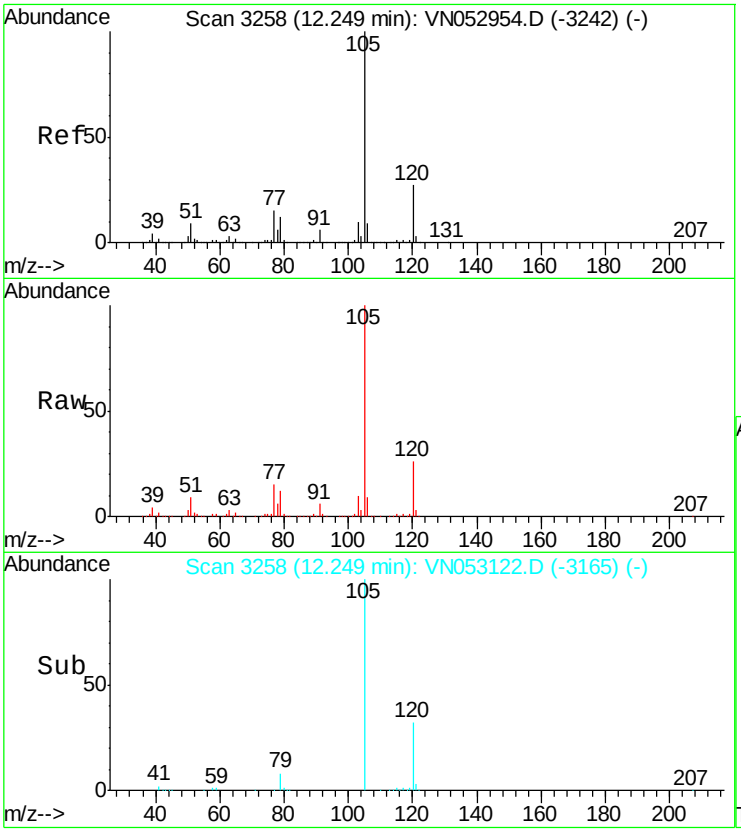


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion:152 Resp: 643624

Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.3	85.0
150	173.2	0.0	347.8

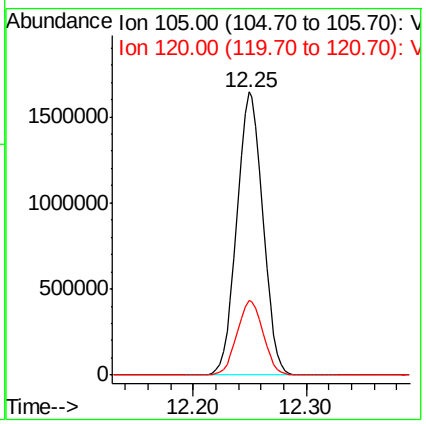




#73
Isopropylbenzene
Concen: 52.360 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

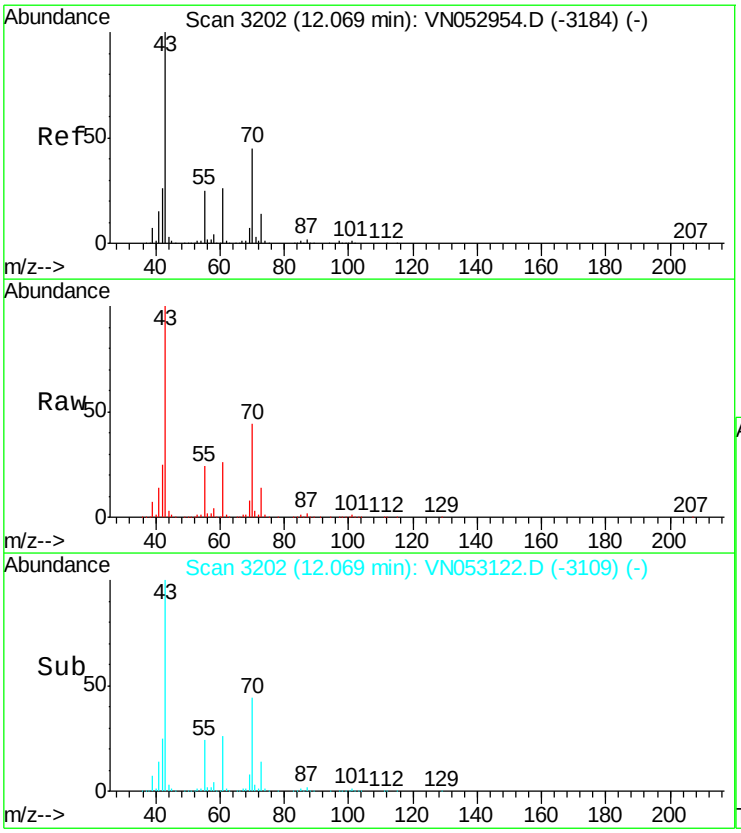
Tgt Ion:105 Resp: 2636742

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

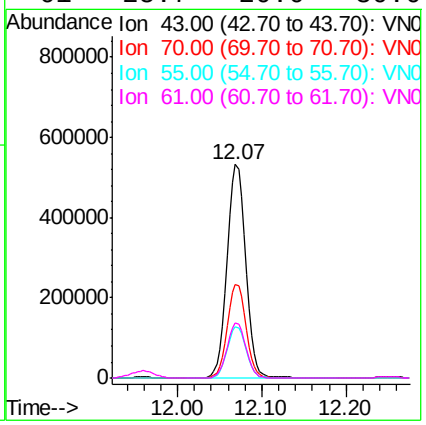
Manual Integrations APPROVED
MMDadoda
12/22/2018 10:50:21 AM

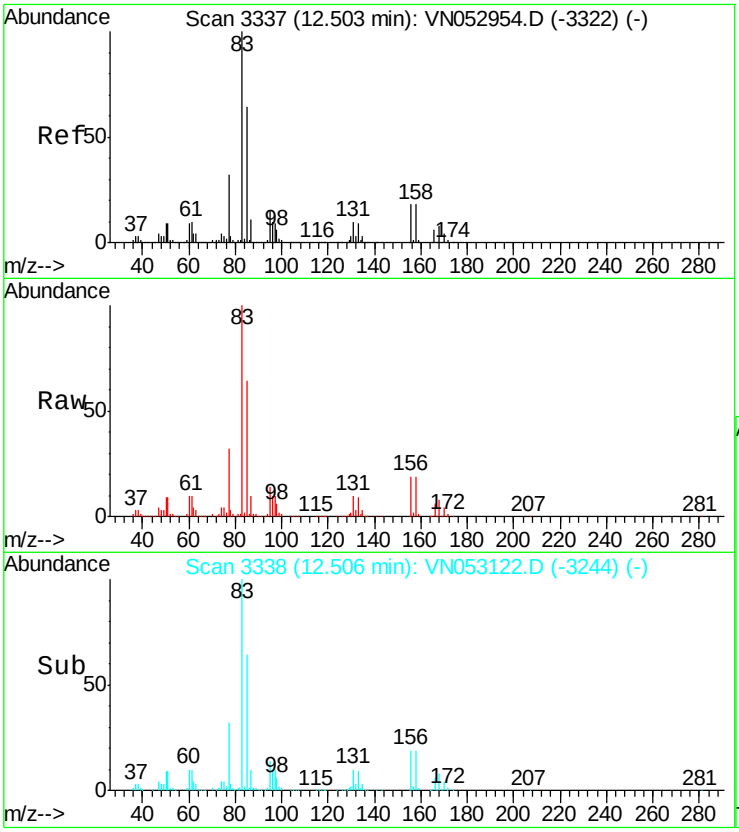


#74
N-amyl acetate
Concen: 58.342 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 43 Resp: 815688

Ion	Ratio	Lower	Upper
43	100		
70	43.7	34.2	51.4
55	24.4	20.3	30.5
61	25.7	20.0	30.0

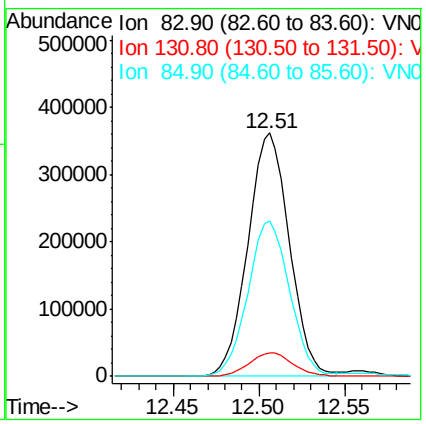




#75
1,1,2,2-Tetrachloroethane
Concen: 61.335 ug/l
RT: 12.51 min Scan# 3338
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 83 Resp: 605959

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.2	15.6
85	64.3	32.4	97.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
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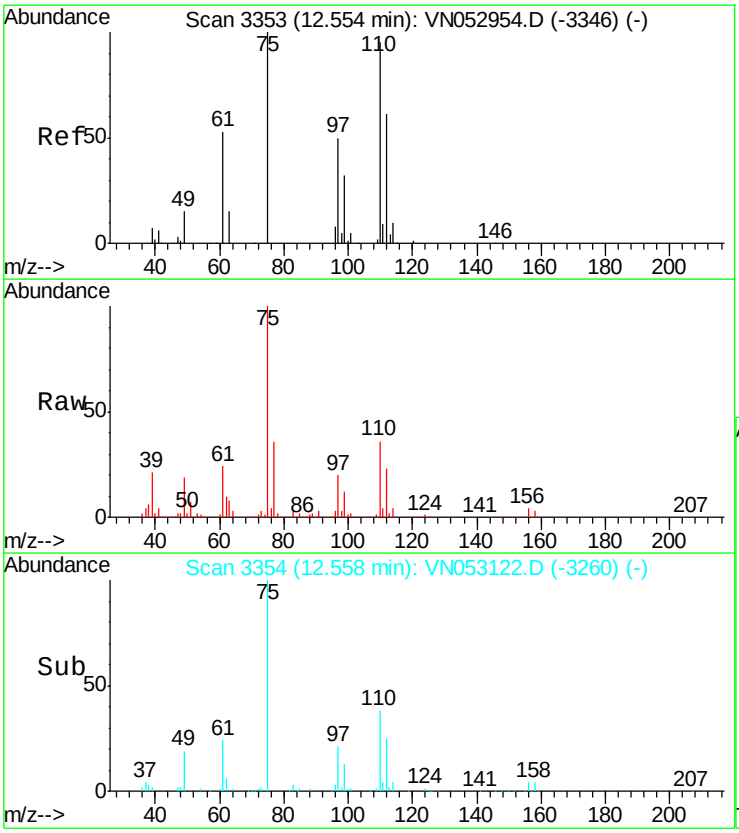
12/22/2018 10:50:21 AM



#76
1,2,3-Trichloropropane
Concen: 46.440 ug/l m
RT: 12.56 min Scan# 3354
Delta R.T. 0.00 min
Lab File: VN053122.D
Acq: 22 Dec 2018 00:17

Tgt Ion: 75 Resp: 503170

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0