Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072619\
Data File : VN056928.D
Acq On : 25 Jul 2019 18:54
Operator : JC/SP
Sample : K3591-07 0.2PPB LOD
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

Quant Time: Jul 26 05:36:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 26 05:13:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	7.65	168	438817	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.57	114	684891	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.40	117	555354	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152150	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.01	65	242731	53.46	ug/l		0.00
Spiked Amount 50.000			Recovery = 106.92%				
35) Dibromofluoromethane	7.58	113	218402	49.98	ug/l		0.00
Spiked Amount 50.000			Recovery = 99.96%				
50) Toluene-d8	10.08	98	796570	48.01	ug/l		0.00
Spiked Amount 50.000			Recovery = 96.02%				
62) 4-Bromofluorobenzene	12.40	95	205262	37.89	ug/l		0.00
Spiked Amount 50.000			Recovery = 75.78%				
Target Compounds							Qvalue
3) Chloromethane	2.05	50	2018	0.357	ug/l		89
5) Bromomethane	2.55	94	2664	0.827	ug/l		94
10) Methyl Iodide	3.94	142	1454	0.232	ug/l	#	63
11) Tert butyl alcohol	4.72	59	5663m	8.645	ug/l		
13) Acrolein	3.59	56	621m	1.692	ug/l		
15) Acrylonitrile	4.98	53	1429m	0.758	ug/l		
16) Acetone	3.81	43	2056	1.326	ug/l	#	87
17) Carbon Disulfide	4.04	76	3325	0.300	ug/l	#	75
18) Methyl Acetate	4.32	43	2810	0.518	ug/l	#	77
20) Methylene Chloride	4.53	84	1640	0.334	ug/l		93
23) Vinyl Acetate	5.90	43	7066	0.754	ug/l	#	94
25) 2-Butanone	6.83	43	1925m	0.806	ug/l		
26) 2,2-Dichloropropane	6.81	77	1182	0.201	ug/l	#	51
29) Tetrahydrofuran	7.20	42	1423	0.910	ug/l	#	74
30) Chloroform	7.36	83	2583	0.314	ug/l	#	79
31) Cyclohexane	7.65	56	8481	1.090	ug/l	#	1
42) 1,2-Dichloroethane	8.12	62	1451	0.241	ug/l	#	72
44) Trichloroethene	8.82	130	1082	0.203	ug/l		100
49) 1,4-Dioxane	9.19	88	29	0.346	ug/l	#	1
51) 4-Methyl-2-Pentanone	9.98	43	4053	0.817	ug/l		96
58) 2-Chloroethyl Vinyl ether	9.69	63	1817	0.731	ug/l		95
59) 2-Hexanone	10.75	43	2988	0.878	ug/l		88
64) Tetrachloroethene	10.63	164	1066	0.210	ug/l		92
68) m/p-Xylenes	11.62	106	2474	0.332	ug/l		84
73) Isopropylbenzene	12.24	105	3223	0.233	ug/l		98
74) N-amyl acetate	12.06	43	984	0.242	ug/l	#	72
75) 1,1,2,2-Tetrachloroethane	12.50	83	953	0.239	ug/l	#	82
76) 1,2,3-Trichloropropane	12.55	75	653m	0.214	ug/l		
77) Bromobenzene	12.52	156	871	0.246	ug/l		79
78) n-propylbenzene	12.58	91	3516	0.240	ug/l		98
79) 2-Chlorotoluene	12.67	91	2122m	0.233	ug/l		
80) 1,3,5-Trimethylbenzene	12.73	105	2760	0.241	ug/l		98
82) 4-Chlorotoluene	12.76	91	2005	0.240	ug/l		97
83) tert-Butylbenzene	12.98	119	2536	0.252	ug/l		82

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072619\
Data File : VN056928.D
Acq On : 25 Jul 2019 18:54
Operator : JC/SP
Sample : K3591-07 0.2PPB LOD
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

Quant Time: Jul 26 05:36:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 26 05:13:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
84) 1,2,4-Trimethylbenzene	13.04	105	2435	0.225	ug/l		92
85) sec-Butylbenzene	13.17	105	3475	0.273	ug/l		93
86) p-Isopropyltoluene	13.28	119	2788	0.248	ug/l	#	86
87) 1,3-Dichlorobenzene	13.28	146	1509	0.285	ug/l	#	80
88) 1,4-Dichlorobenzene	13.36	146	1425	0.281	ug/l	#	1
89) n-Butylbenzene	13.61	91	1912	0.220	ug/l		96
91) 1,2-Dichlorobenzene	13.65	146	1271	0.237	ug/l		88
93) 1,2,4-Trichlorobenzene	14.91	180	1163	0.525	ug/l	#	55
94) Hexachlorobutadiene	15.01	225	641	0.296	ug/l		88
95) Naphthalene	15.12	128	2055	0.367	ug/l	#	93
96) 1,2,3-Trichlorobenzene	15.30	180	1224	0.509	ug/l		91

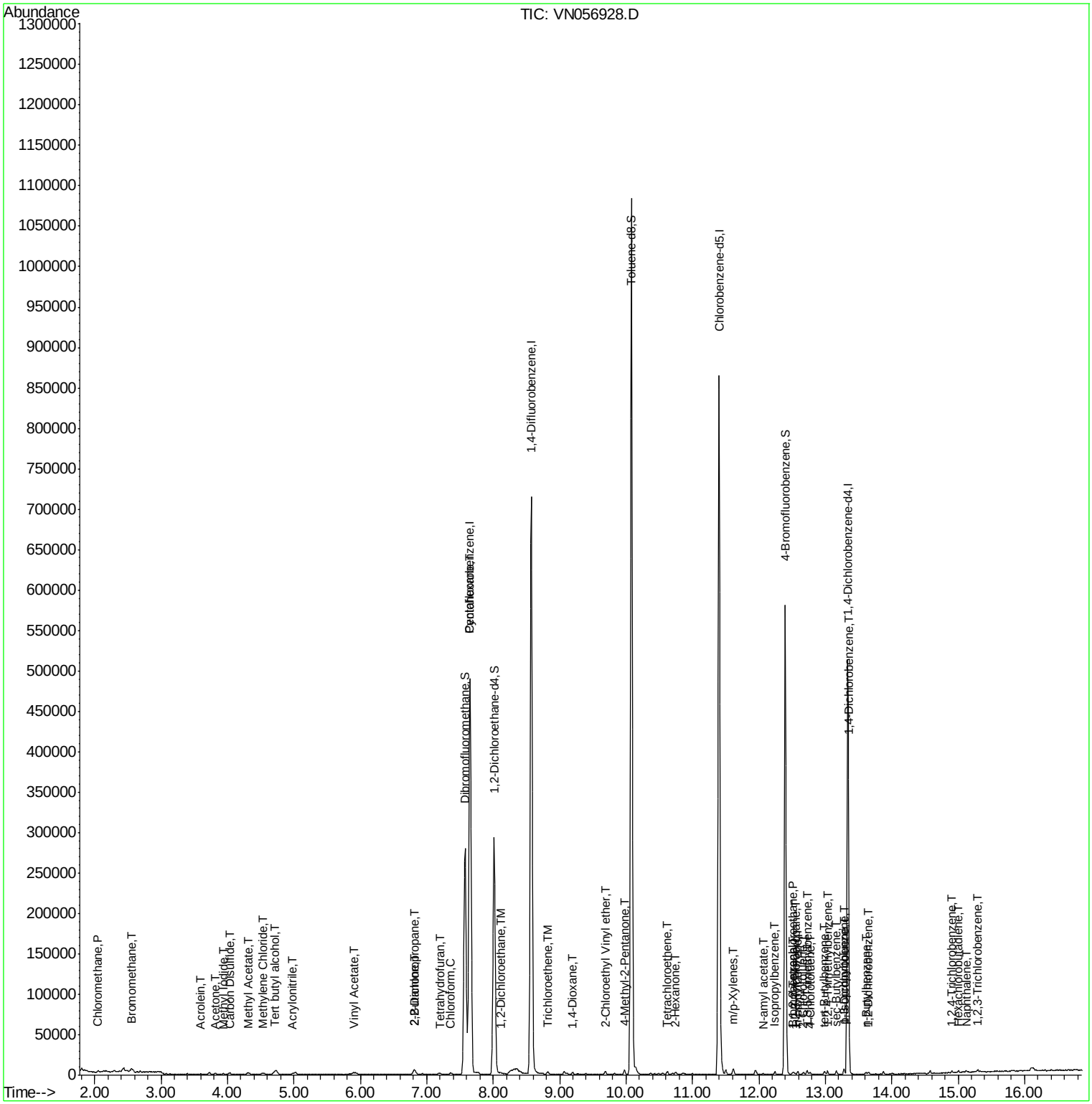
(#) = qualifier out of range (m) = manual integration (+) = signals summed

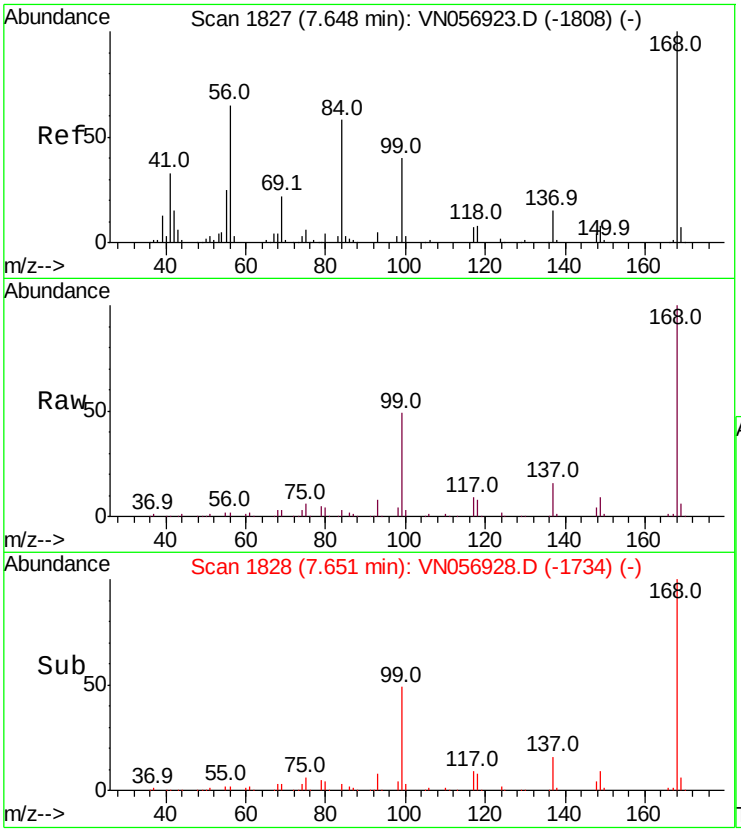
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072619\
Data File : VN056928.D
Acq On : 25 Jul 2019 18:54
Operator : JC/SP
Sample : K3591-07 0.2PPB LOD
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 26 05:36:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 26 05:13:44 2019
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM





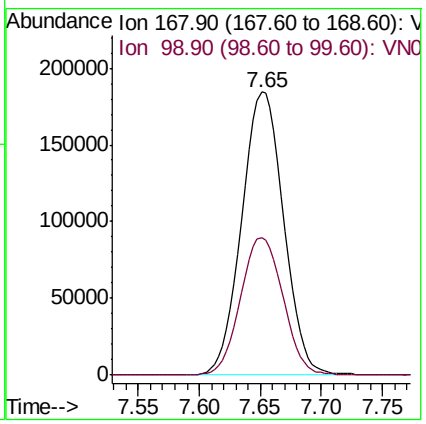
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

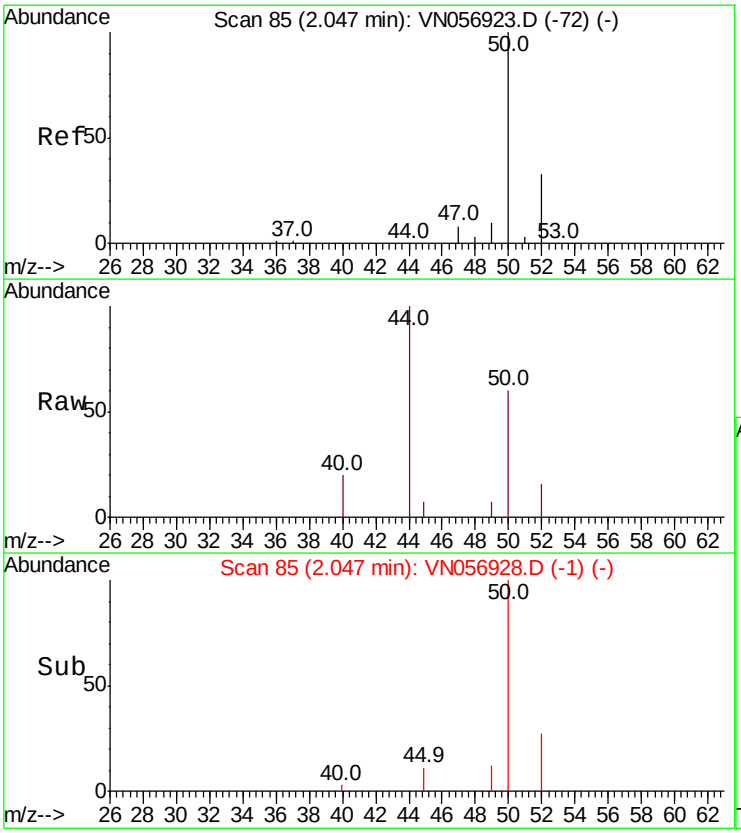
Tgt Ion:168 Resp: 438817

Ion	Ratio	Lower	Upper
168	100		
99	48.8	38.6	58.0

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

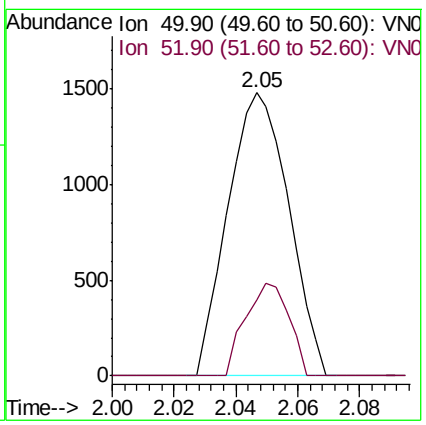


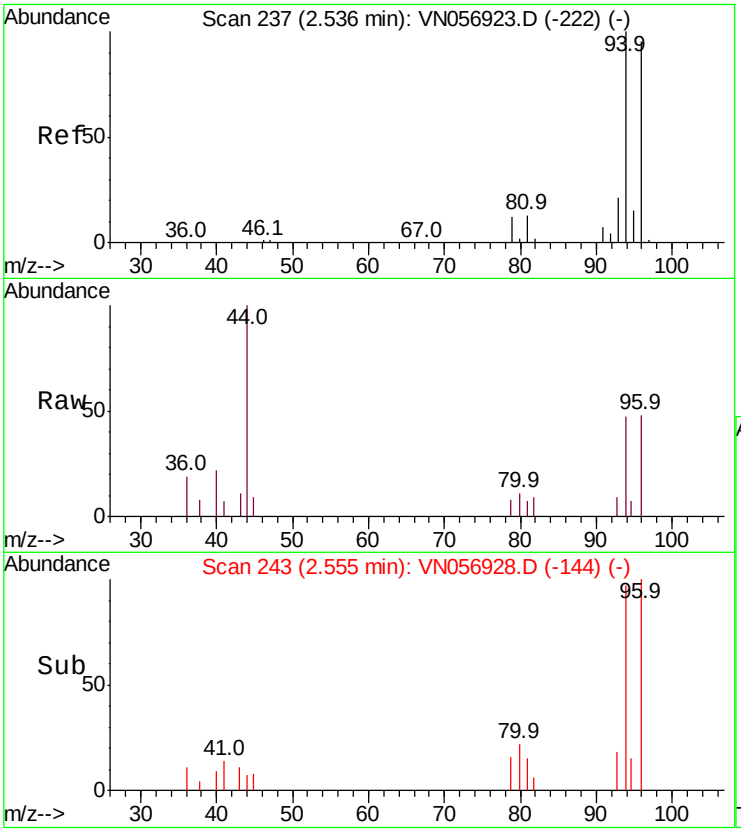


#3
Chloromethane
Concen: 0.357 ug/l
RT: 2.05 min Scan# 85
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion: 50 Resp: 2018

Ion	Ratio	Lower	Upper
50	100		
52	27.0	26.8	40.2

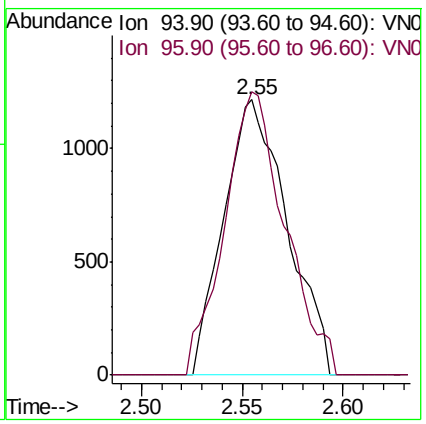




#5
Bromomethane
Concen: 0.827 ug/l
RT: 2.55 min Scan# 243
Delta R.T. 0.02 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

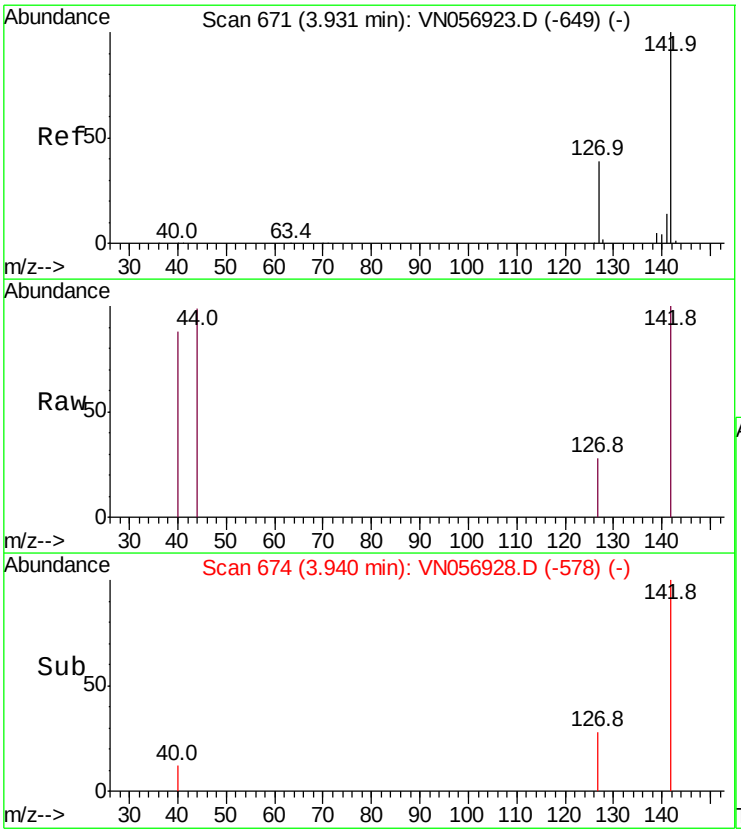
Tgt Ion: 94 Resp: 2664

Ion	Ratio	Lower	Upper
94	100		
96	89.0	75.7	113.5



Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

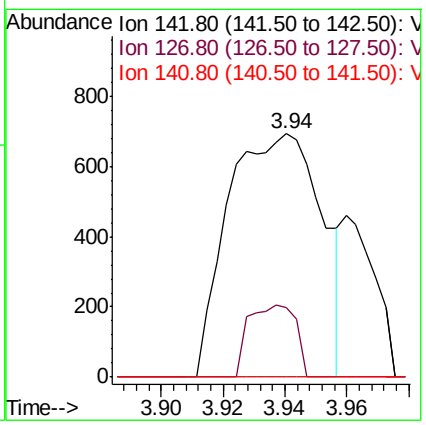
Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

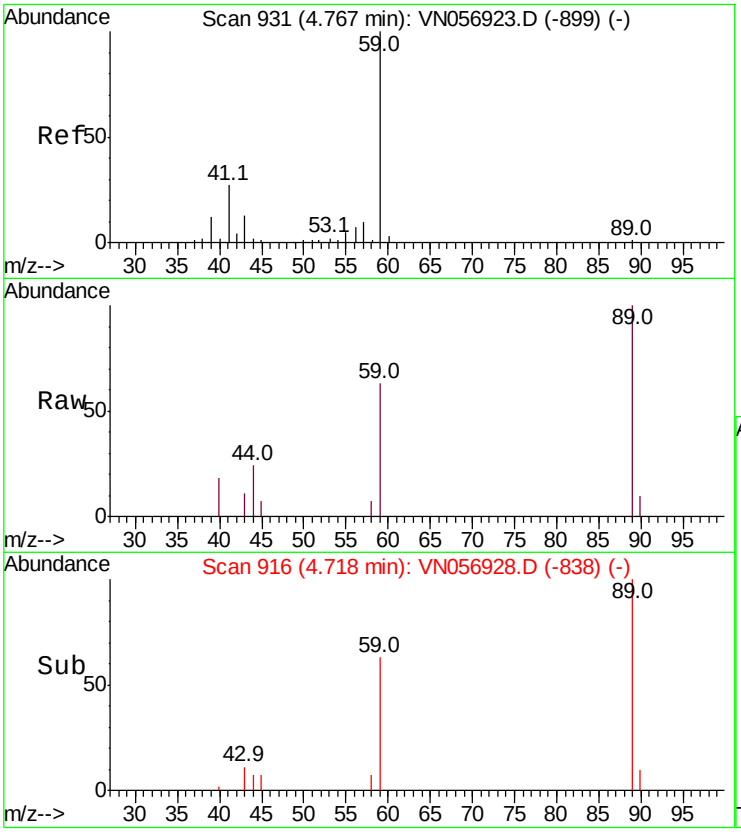


#10
Methyl Iodide
Concen: 0.232 ug/l
RT: 3.94 min Scan# 674
Delta R.T. 0.01 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion:142 Resp: 1454

Ion	Ratio	Lower	Upper
142	100		
127	14.8	30.5	45.7#
141	0.0	11.1	16.7#





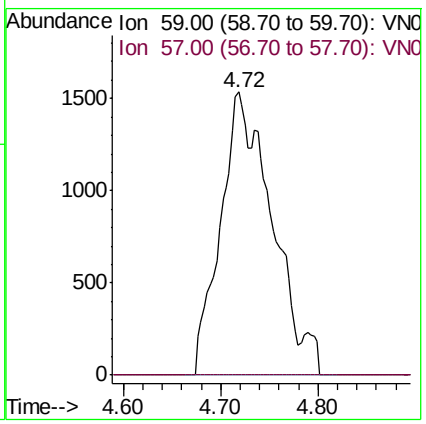
#11
Tert butyl alcohol
Concen: 8.645 ug/l m
RT: 4.72 min Scan# 916
Delta R.T. -0.05 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

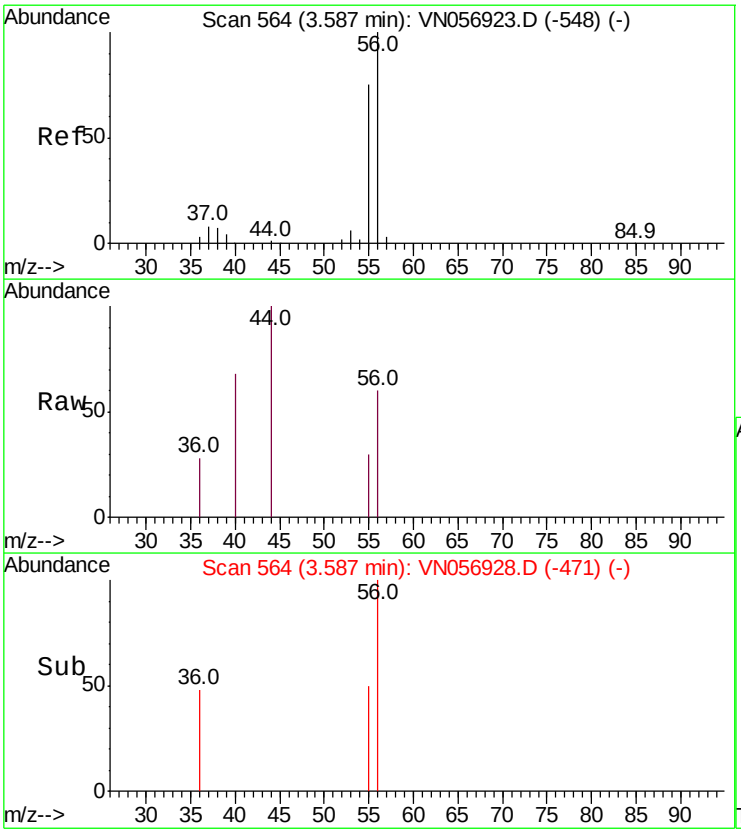
Tgt Ion: 59 Resp: 5663

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.6	11.4#

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

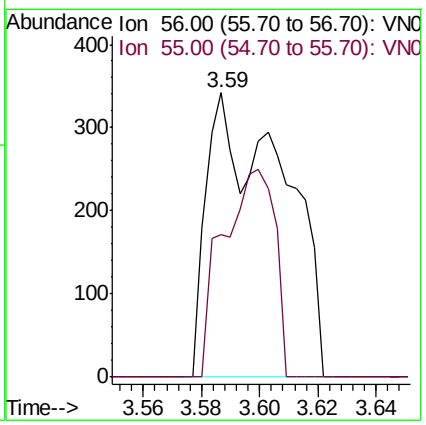


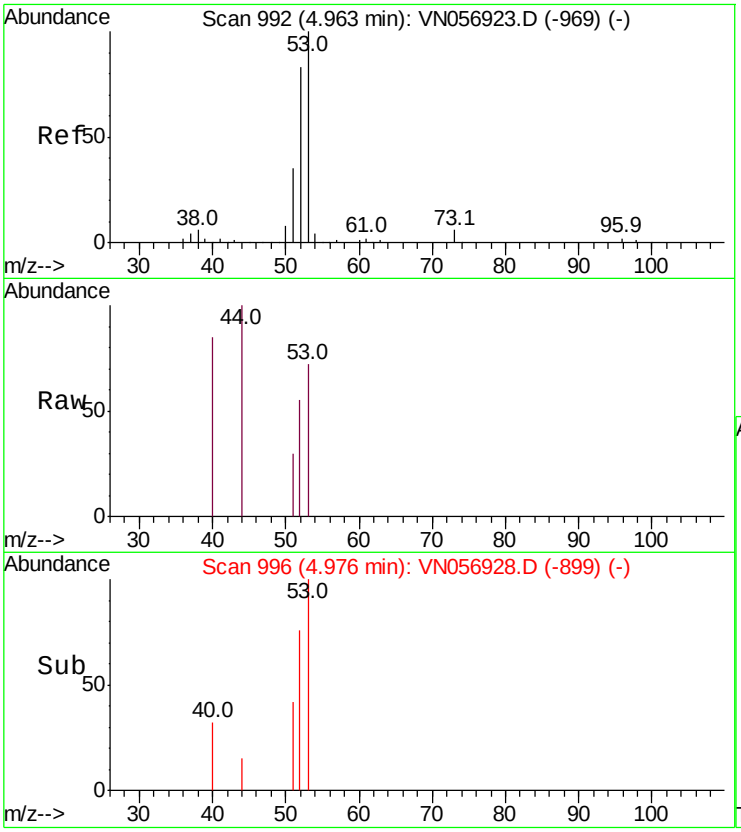


#13
Acrolein
Concen: 1.692 ug/l m
RT: 3.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion: 56 Resp: 621

Ion	Ratio	Lower	Upper
56	100		
55	0.0	57.5	86.3#





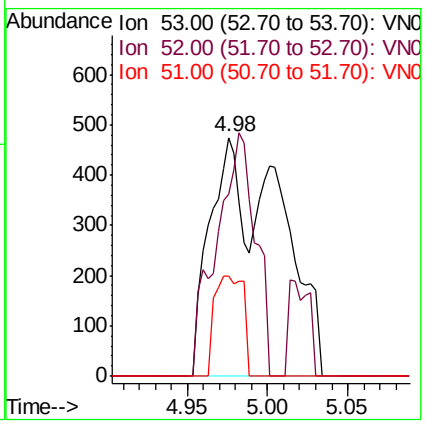
#15
Acrylonitrile
Concen: 0.758 ug/l m
RT: 4.98 min Scan# 996
Delta R.T. 0.01 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

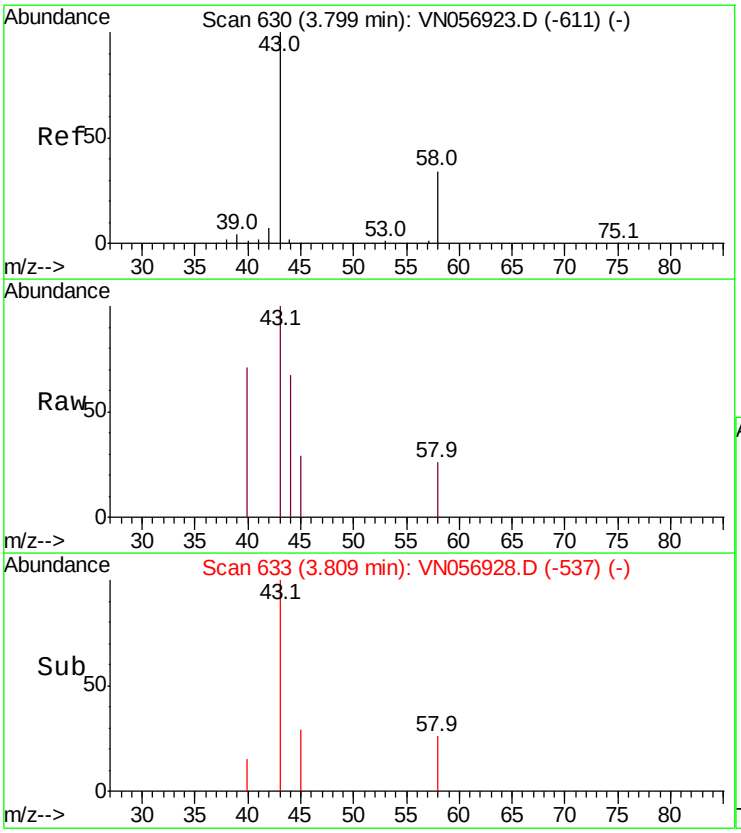
Tgt Ion: 53 Resp: 1429

Ion	Ratio	Lower	Upper
53	100		
52	57.4	65.5	98.3#
51	17.4	28.1	42.1#

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

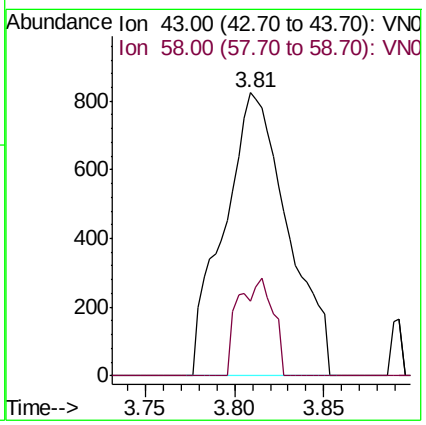


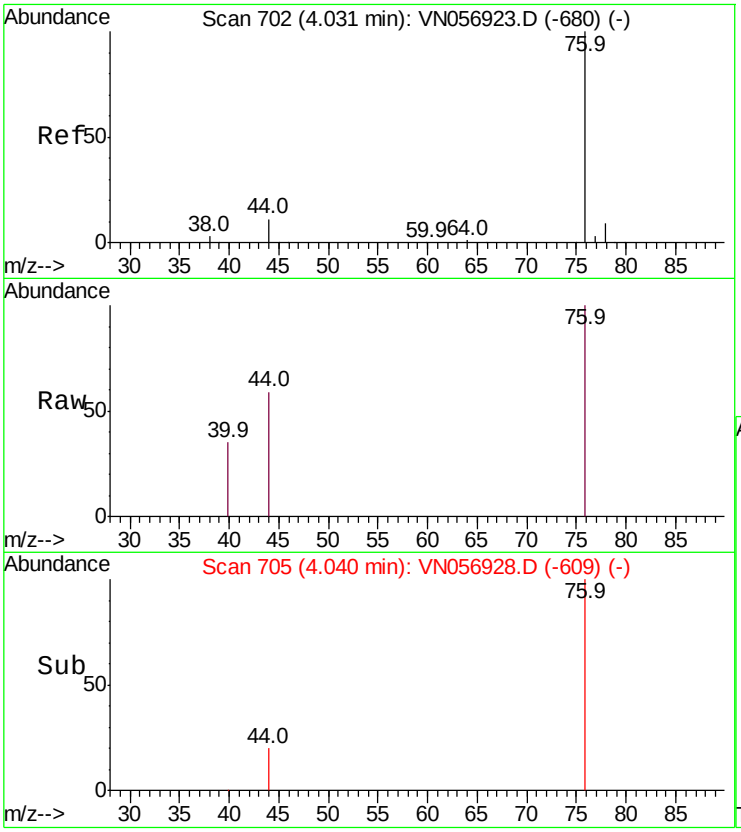


#16
Acetone
Concen: 1.326 ug/l
RT: 3.81 min Scan# 633
Delta R.T. 0.01 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion: 43 Resp: 2056

Ion	Ratio	Lower	Upper
43	100		
58	26.5	27.3	40.9#





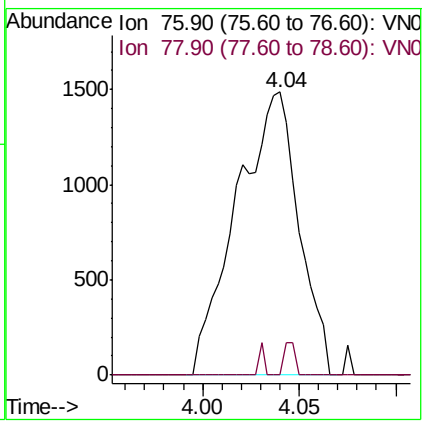
#17
Carbon Disulfide
Concen: 0.300 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.01 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

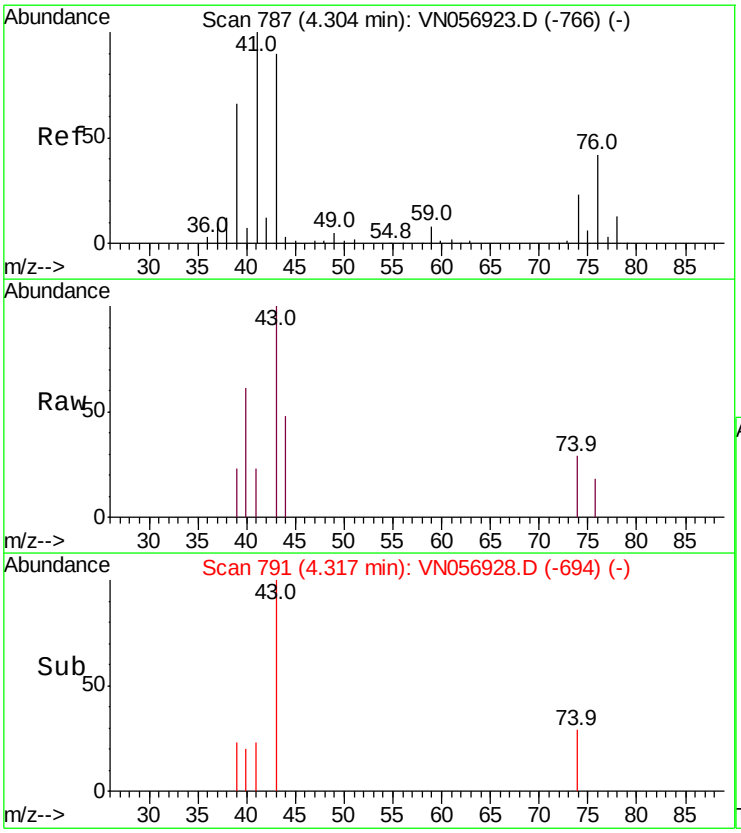
Tgt Ion: 76 Resp: 3325

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.3	10.9#

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

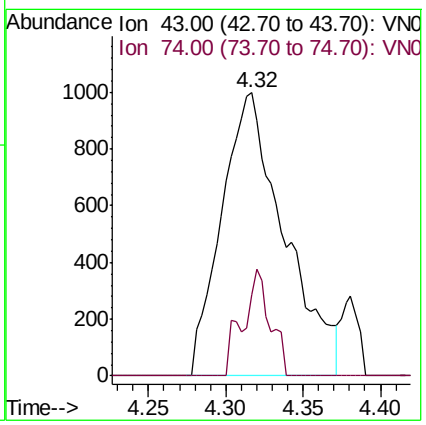


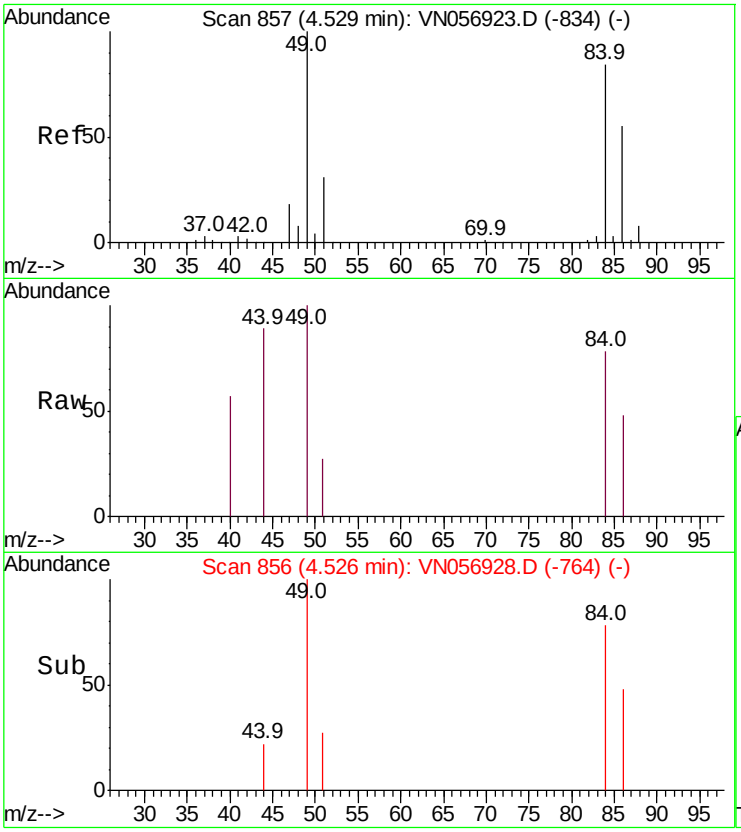


#18
Methyl Acetate
Concen: 0.518 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion: 43 Resp: 2810

Ion	Ratio	Lower	Upper
43	100		
74	12.7	19.4	29.0#

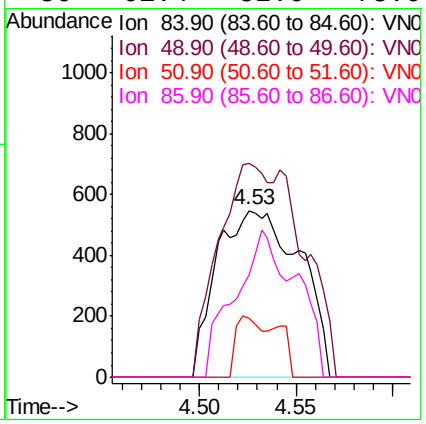




#20
Methylene Chloride
Concen: 0.334 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

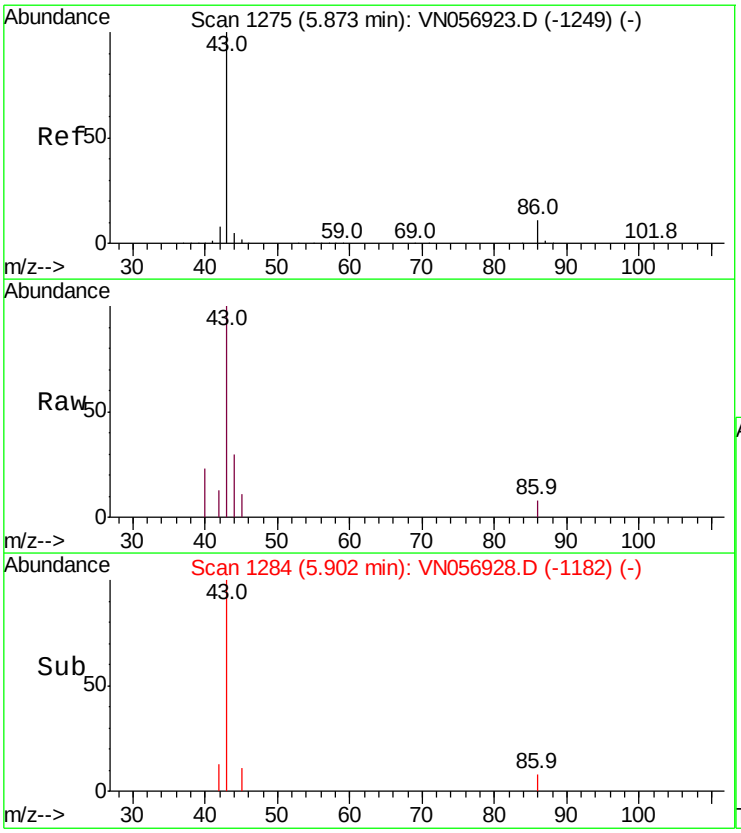
Tgt Ion: 84 Resp: 1640

Ion	Ratio	Lower	Upper
84	100		
49	128.2	95.0	142.6
51	35.1	29.8	44.8
86	61.4	52.0	78.0



Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

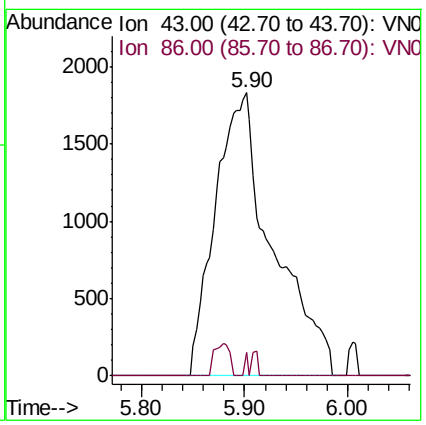
Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

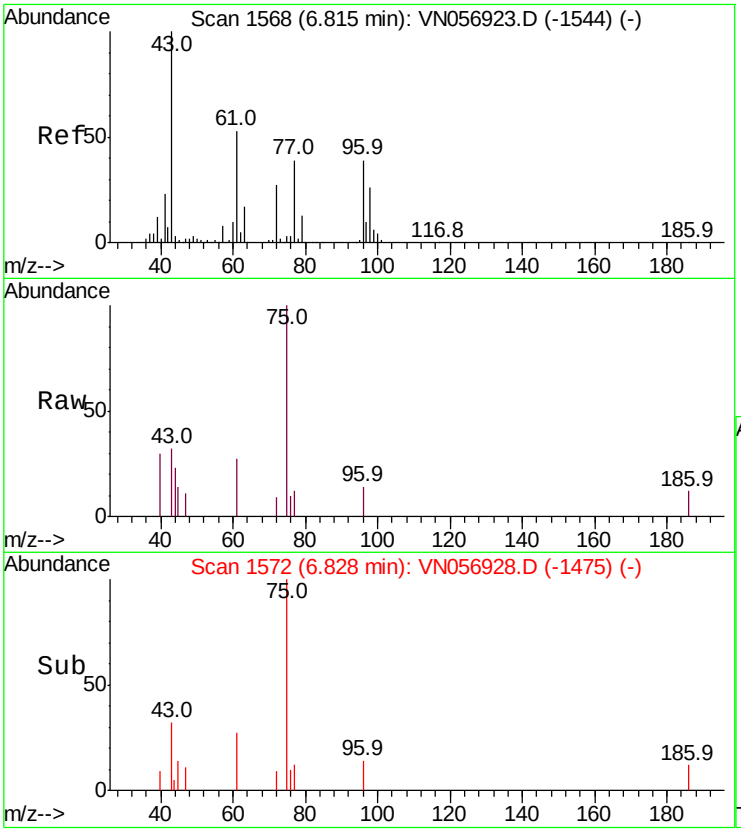


#23
Vinyl Acetate
Concen: 0.754 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.03 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion: 43 Resp: 7066

Ion	Ratio	Lower	Upper
43	100		
86	8.4	8.6	13.0#





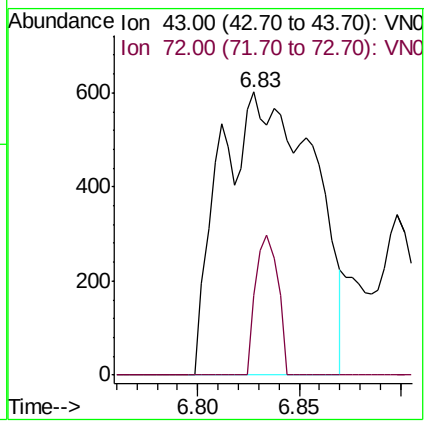
#25
2-Butanone
Concen: 0.806 ug/l m
RT: 6.83 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

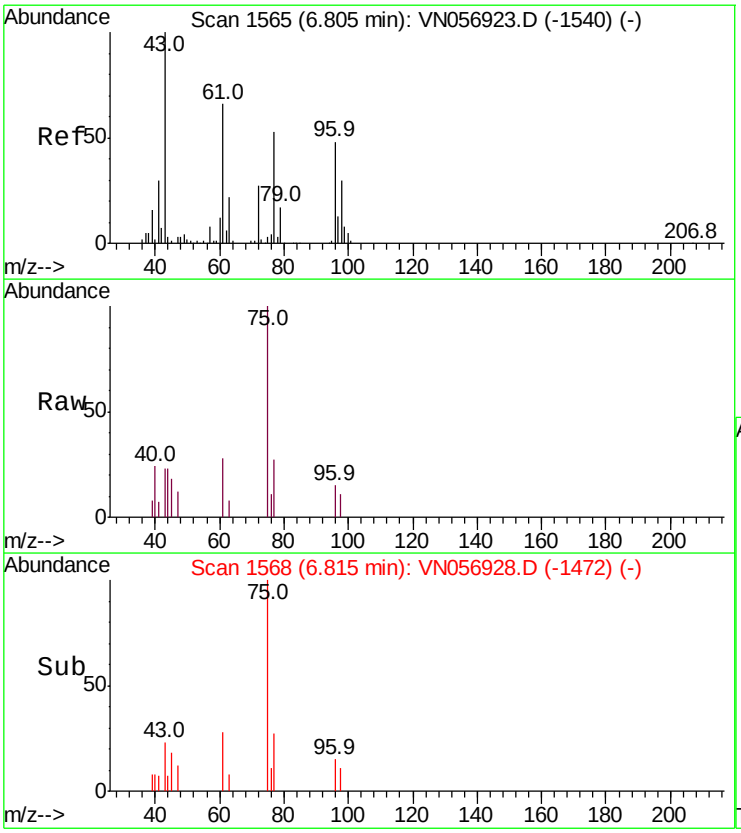
Tgt Ion: 43 Resp: 1925

Ion	Ratio	Lower	Upper
43	100		
72	28.1	21.9	32.9

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

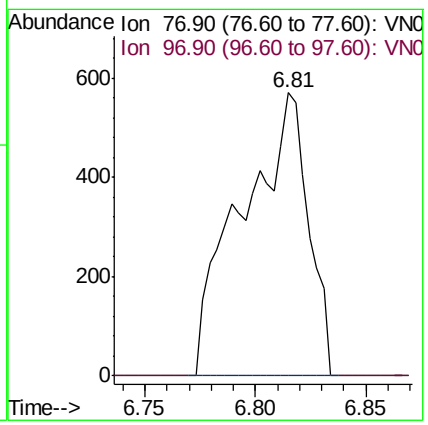


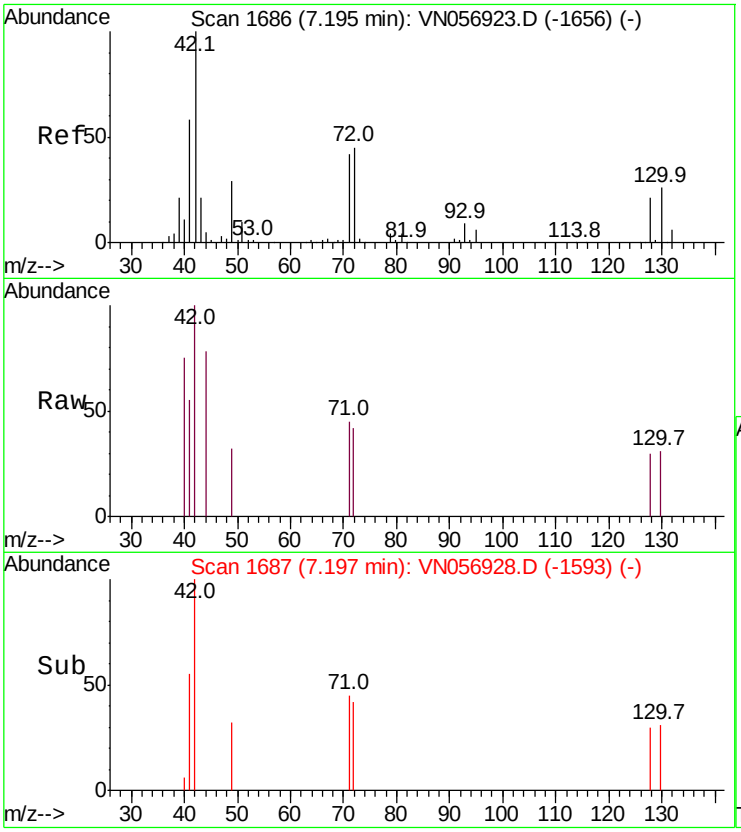


#26
2,2-Dichloropropane
Concen: 0.201 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion: 77 Resp: 1182

Ion	Ratio	Lower	Upper
77	100		
97	0.0	12.3	36.8#





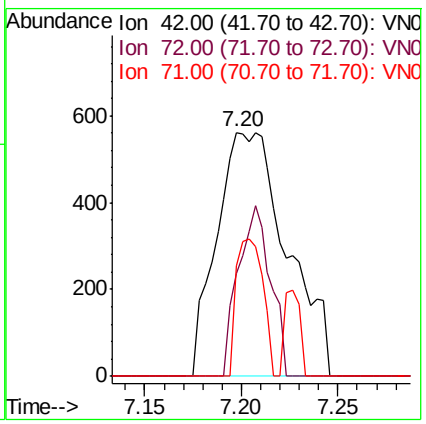
#29
Tetrahydrofuran
Concen: 0.910 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

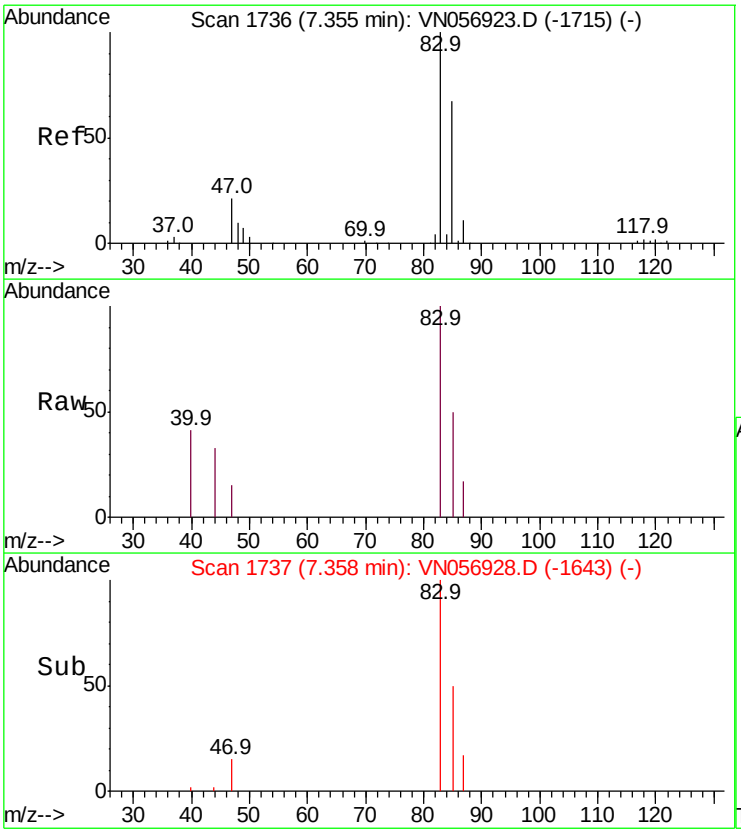
Tgt Ion: 42 Resp: 1423

Ion	Ratio	Lower	Upper
42	100		
72	31.8	35.5	53.3#
71	21.2	33.0	49.6#

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

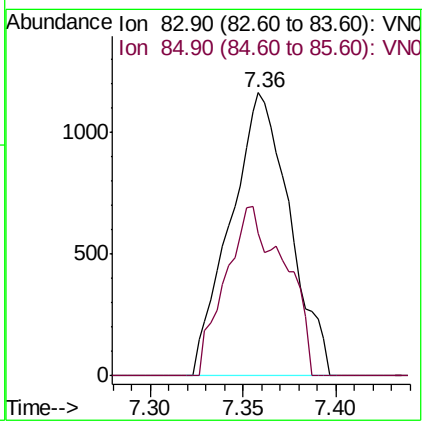


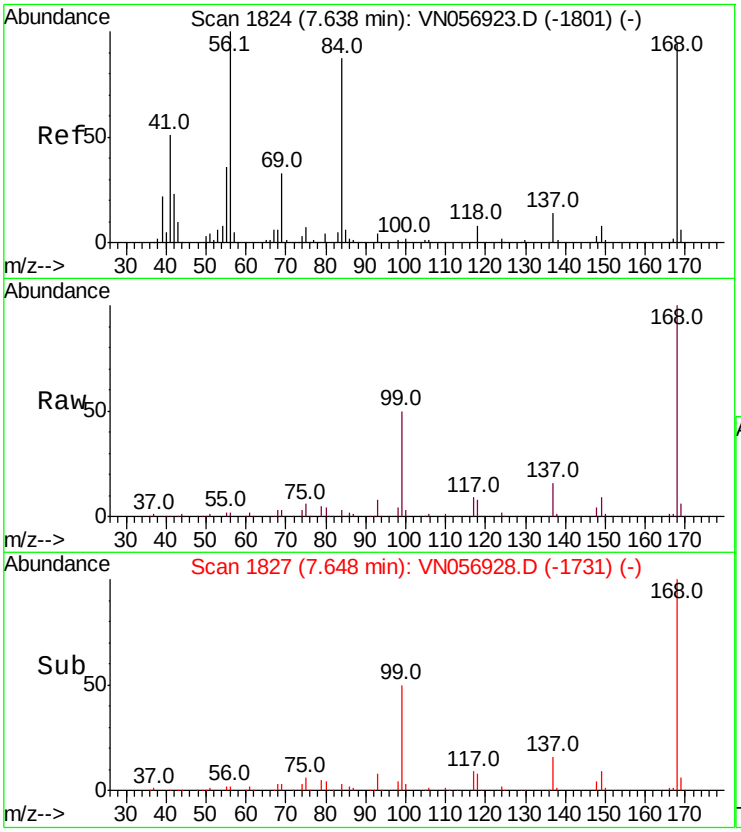


#30
Chloroform
Concen: 0.314 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion: 83 Resp: 2583

Ion	Ratio	Lower	Upper
83	100		
85	50.5	53.5	80.3#





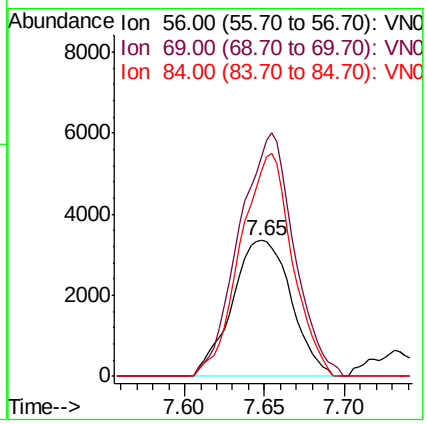
#31
Cyclohexane
Concen: 1.090 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

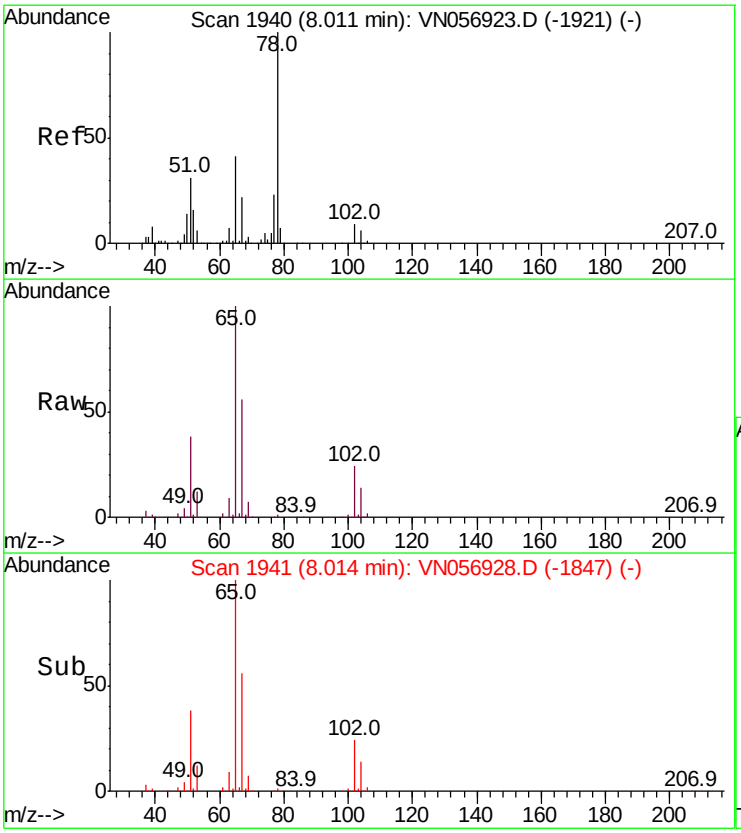
Tgt Ion: 56 Resp: 8481

Ion	Ratio	Lower	Upper
56	100		
69	161.8	26.3	39.5#
84	151.7	69.6	104.4#

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

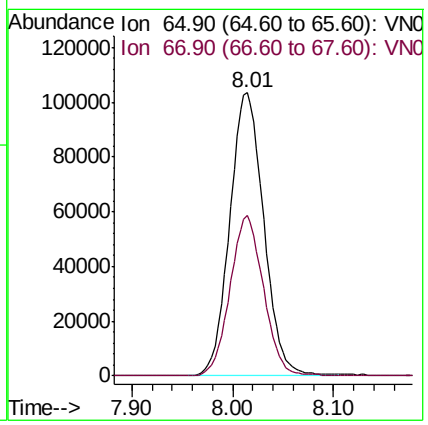


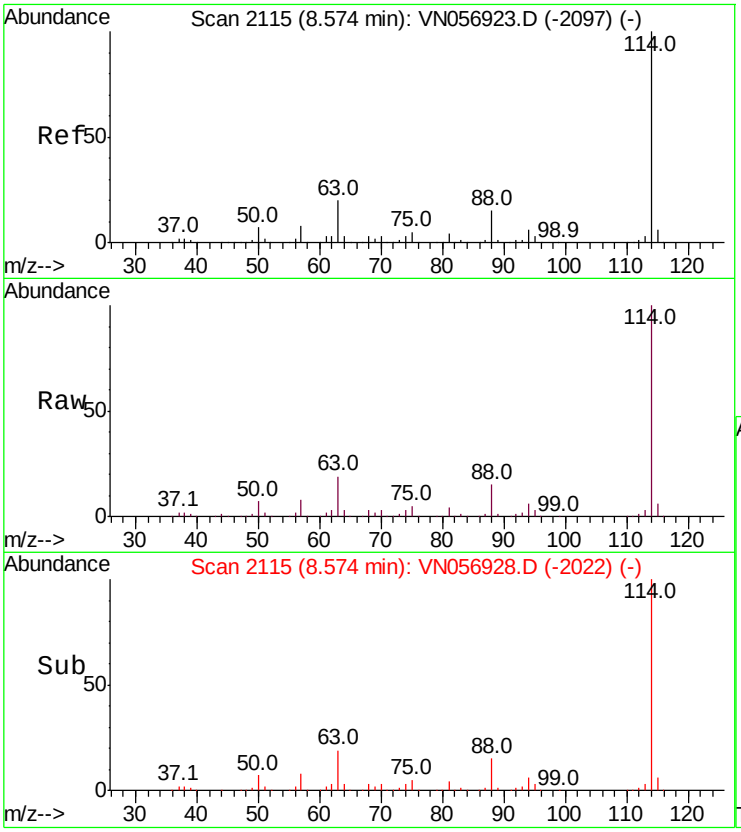


#33
1,2-Dichloroethane-d4
Concen: 53.456 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion: 65 Resp: 242731

Ion	Ratio	Lower	Upper
65	100		
67	55.6	0.0	109.2

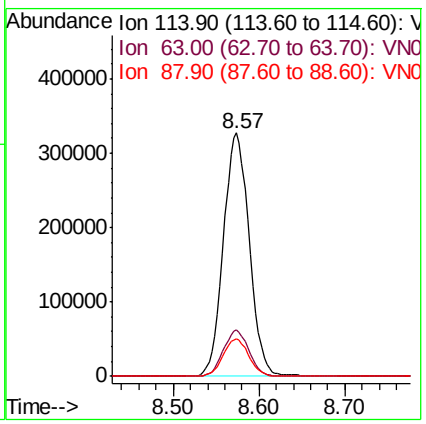




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

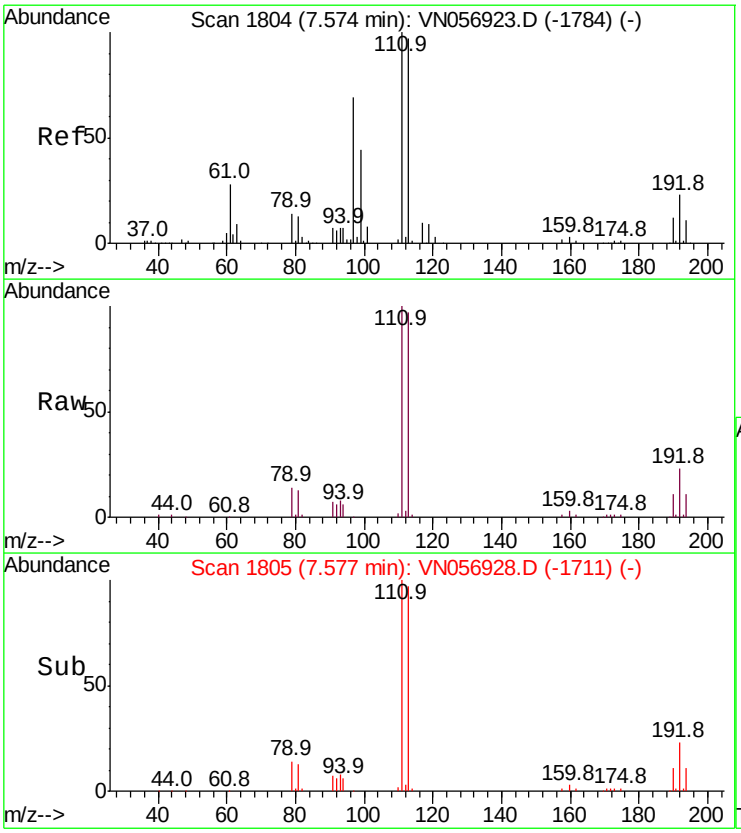
Tgt Ion:114 Resp: 684891

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.4
88	15.3	0.0	30.4



Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

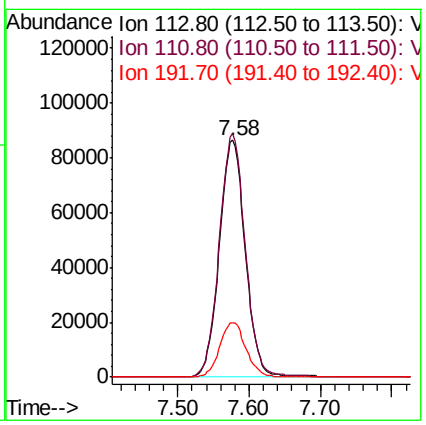
Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

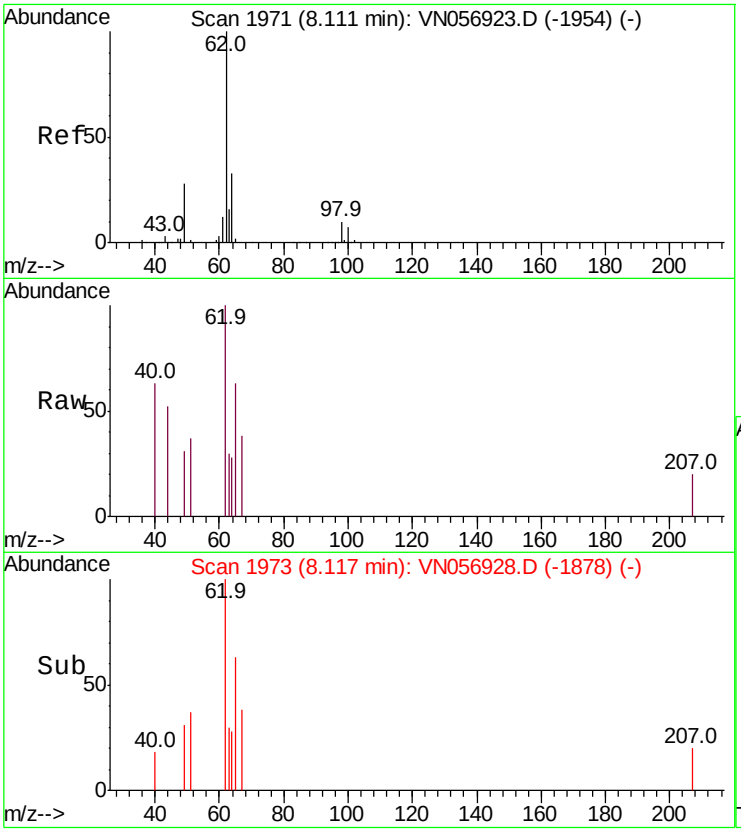


#35
Dibromofluoromethane
Concen: 49.979 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion:113 Resp: 218402

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.2	123.2
192	23.3	18.3	27.5

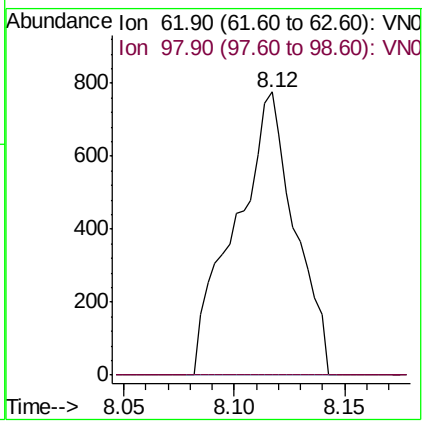




#42
1,2-Dichloroethane
Concen: 0.241 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.01 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

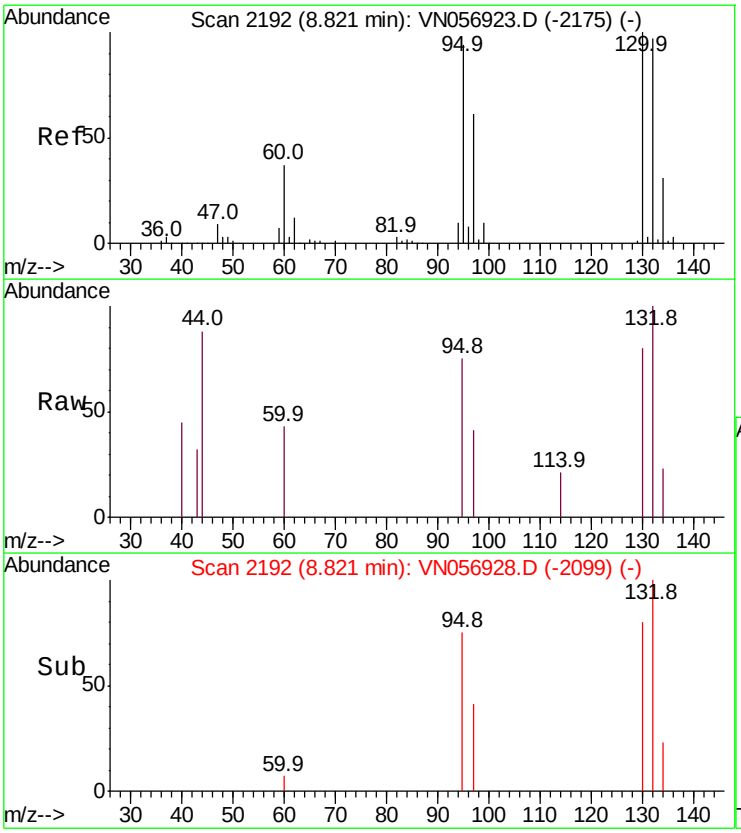
Tgt Ion: 62 Resp: 1451

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.8



Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

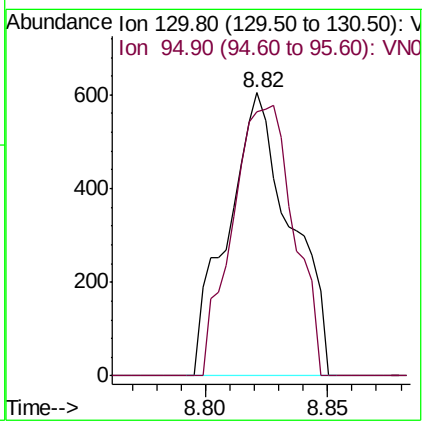
Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

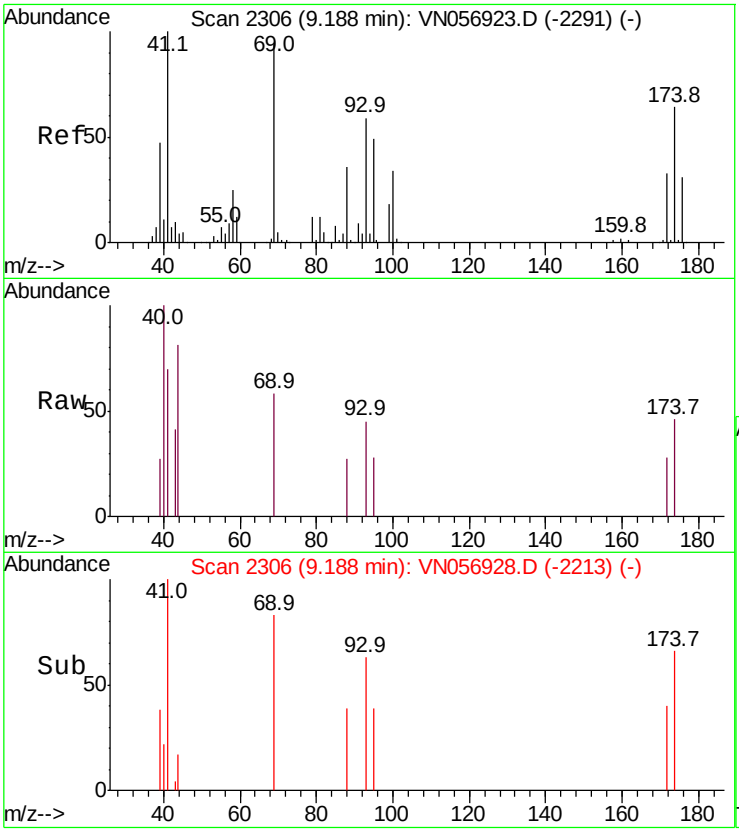


#44
Trichloroethene
Concen: 0.203 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion:130 Resp: 1082

Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	187.6





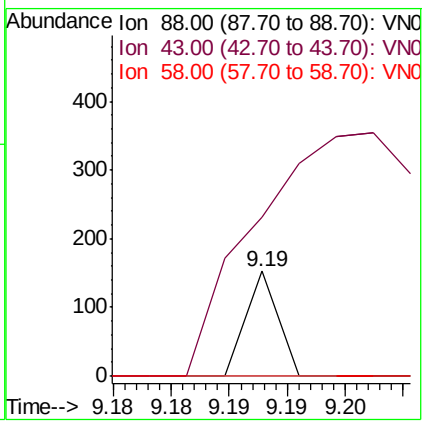
#49
1,4-Dioxane
Concen: 0.346 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

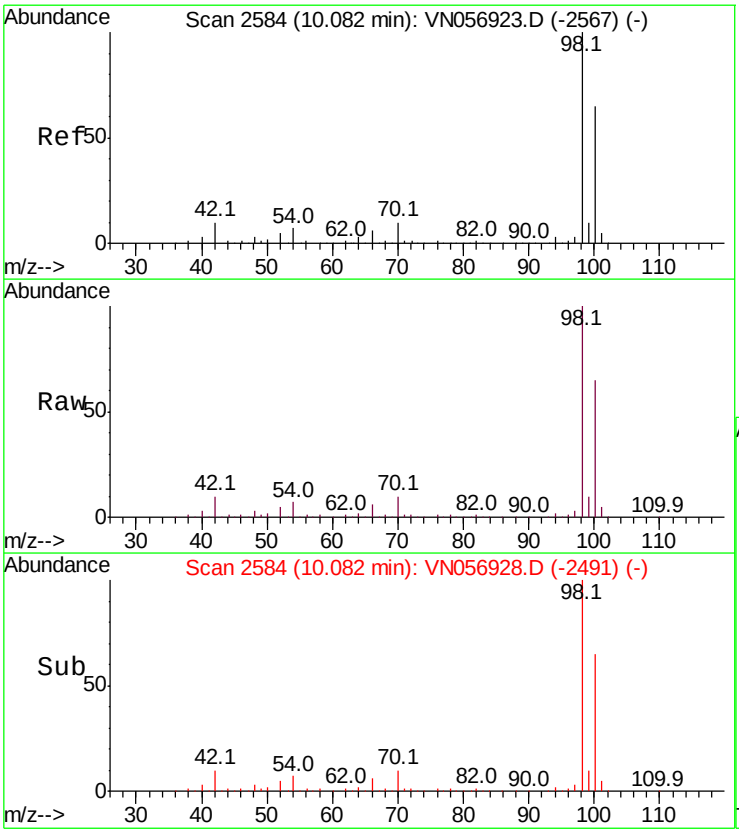
Tgt Ion: 88 Resp: 29

Ion	Ratio	Lower	Upper
88	100		
43	644.8	21.1	31.7#
58	0.0	52.5	78.7#

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

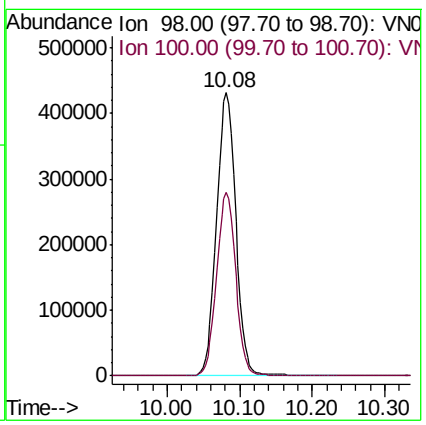


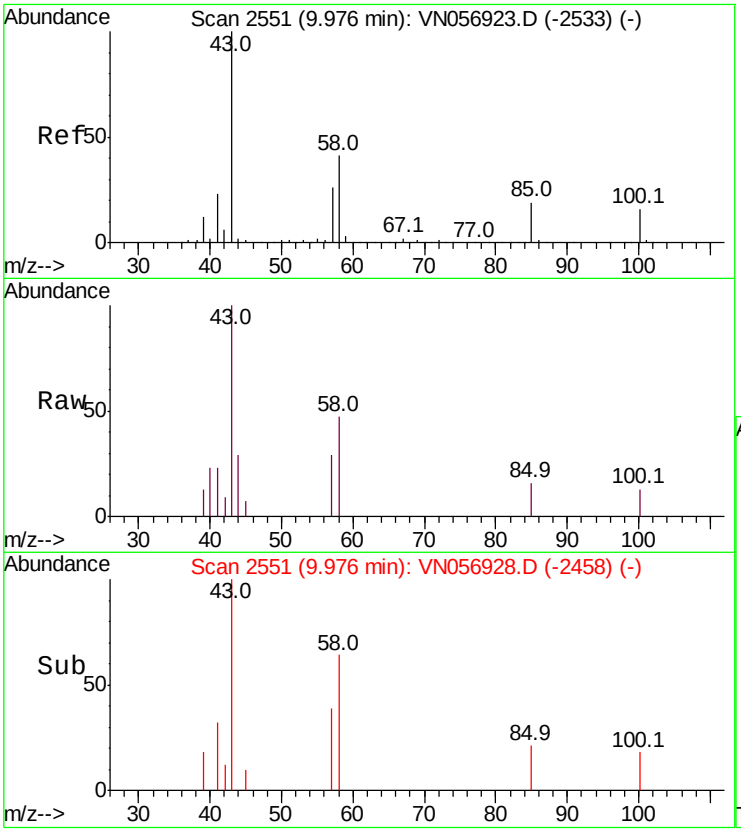


#50
Toluene-d8
Concen: 48.006 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion: 98 Resp: 796570

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.2

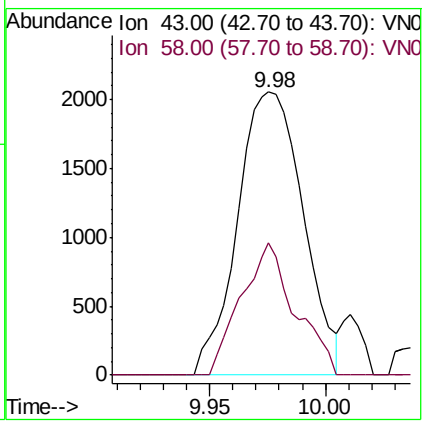




#51
4-Methyl-2-Pentanone
Concen: 0.817 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

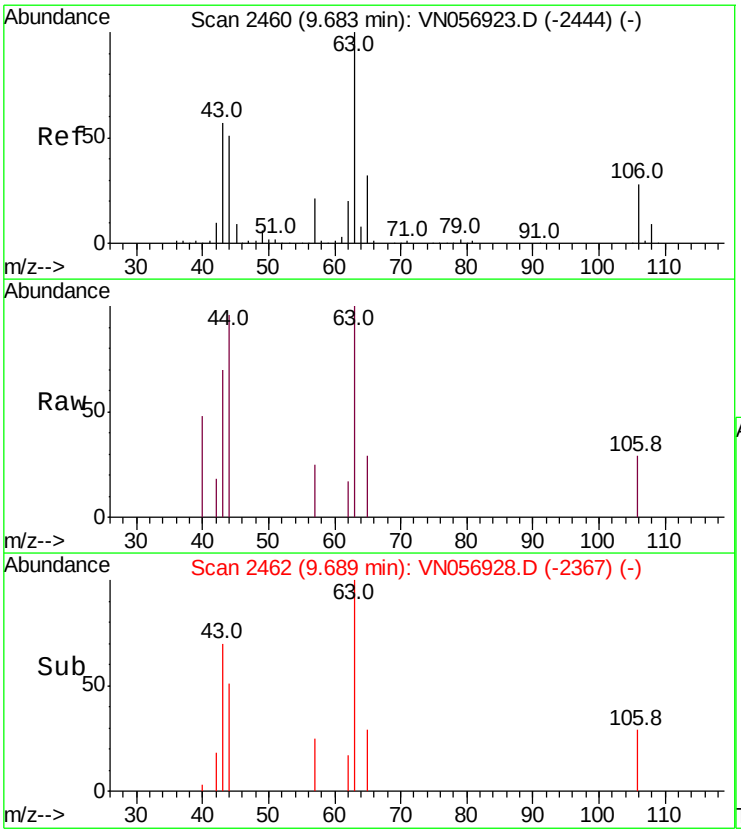
Tgt Ion: 43 Resp: 4053

Ion	Ratio	Lower	Upper
43	100		
58	38.5	32.8	49.2



Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

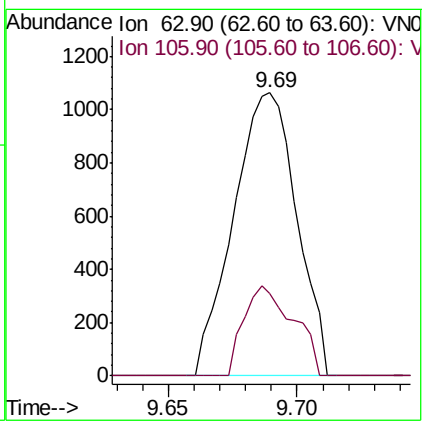
Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

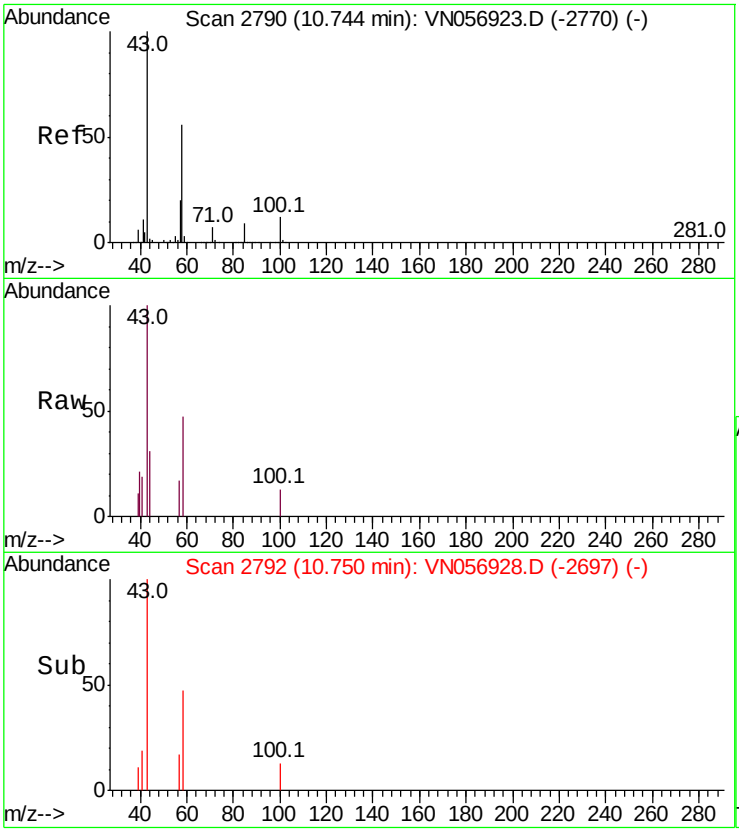


#58
2-Chloroethyl Vinyl ether
Concen: 0.731 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. 0.01 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion: 63 Resp: 1817

Ion	Ratio	Lower	Upper
63	100		
106	25.0	22.2	33.4





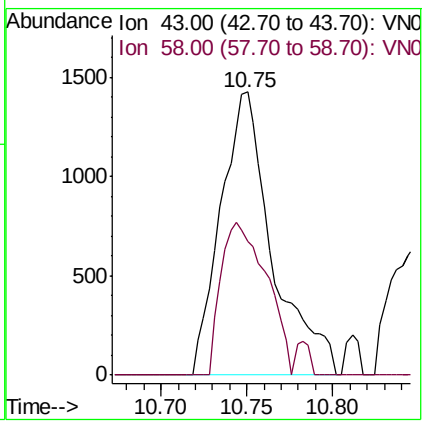
#59
2-Hexanone
Concen: 0.878 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.01 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

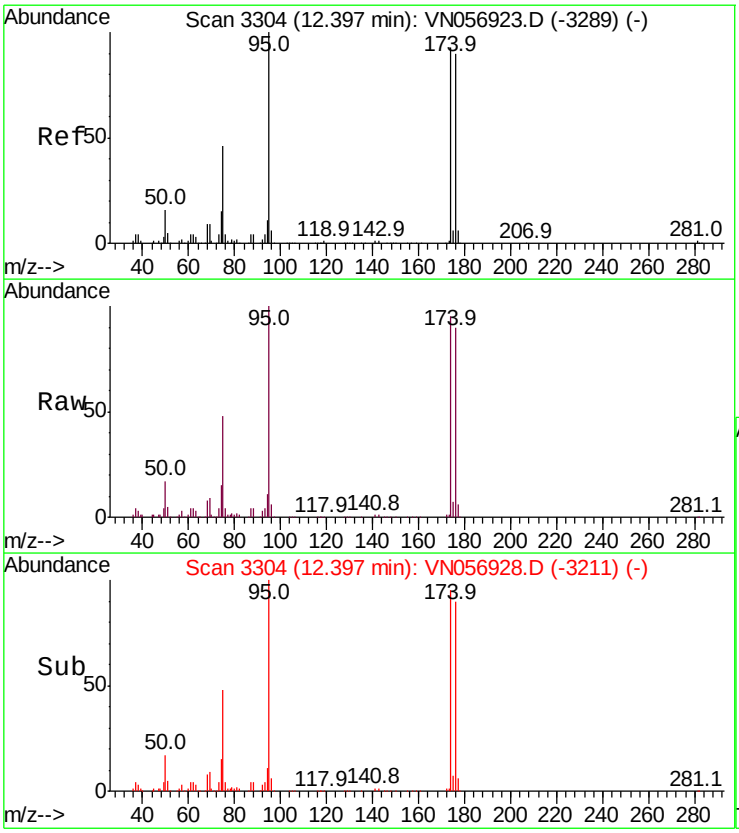
Tgt Ion: 43 Resp: 2988

Ion	Ratio	Lower	Upper
43	100		
58	47.5	28.2	84.6

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

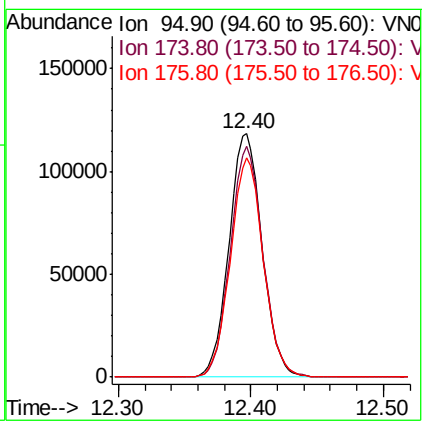


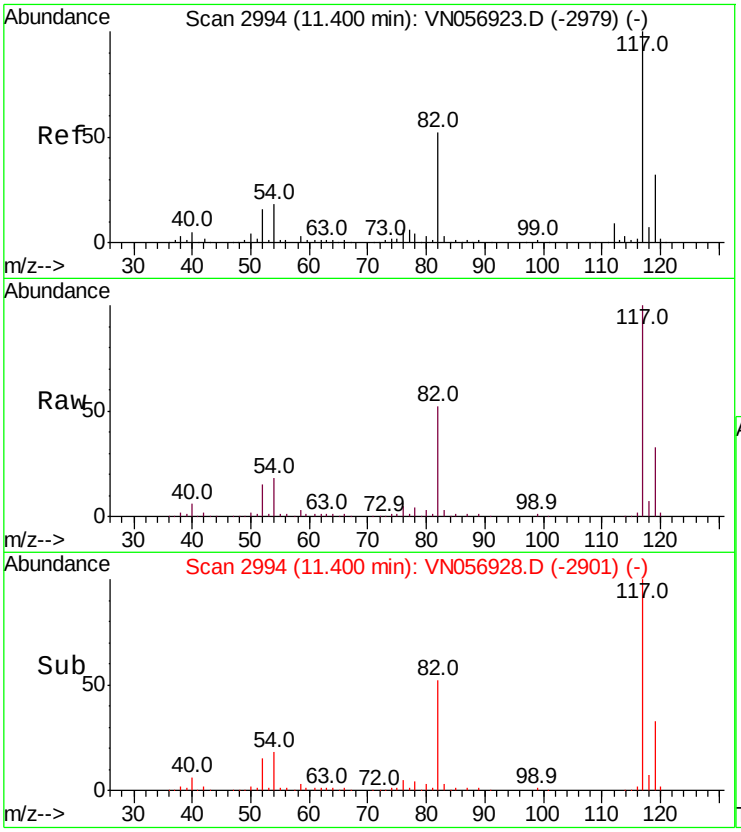


#62
4-Bromofluorobenzene
Concen: 37.885 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion: 95 Resp: 205262

Ion	Ratio	Lower	Upper
95	100		
174	93.3	0.0	186.2
176	89.4	0.0	179.6





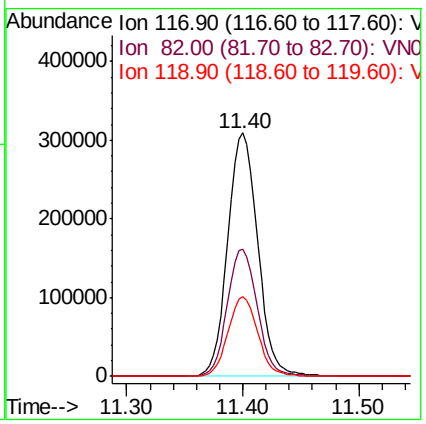
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

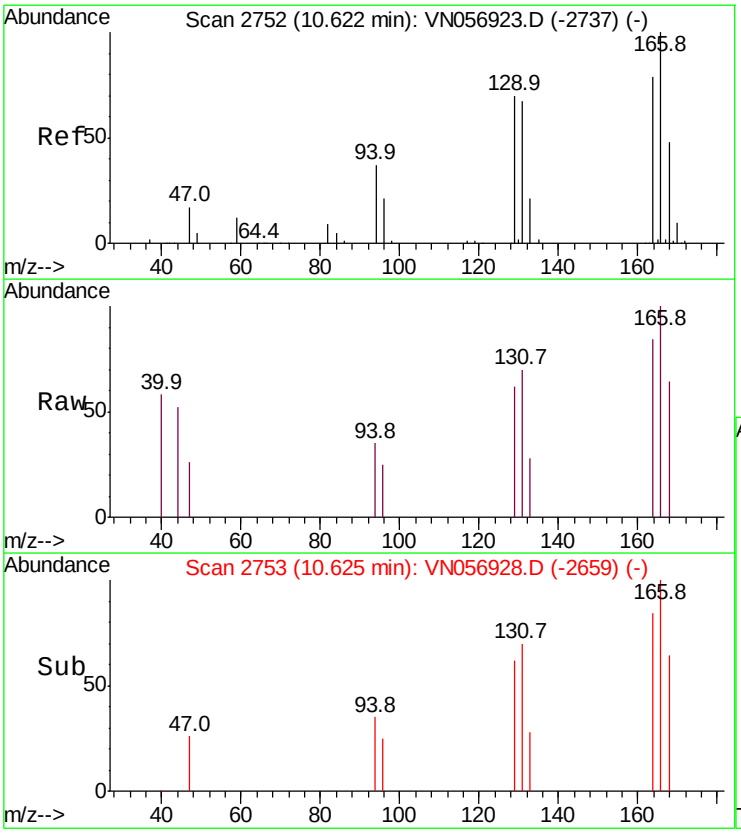
Tgt Ion:117 Resp: 555354

Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.7	62.5
119	32.5	25.5	38.3

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

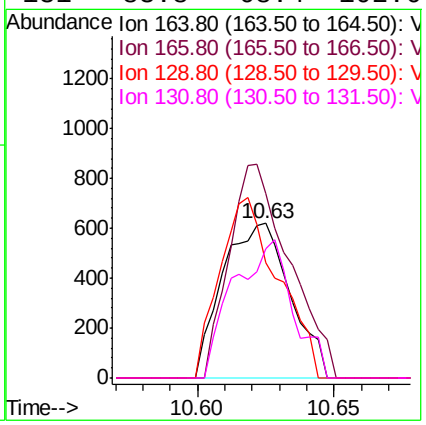


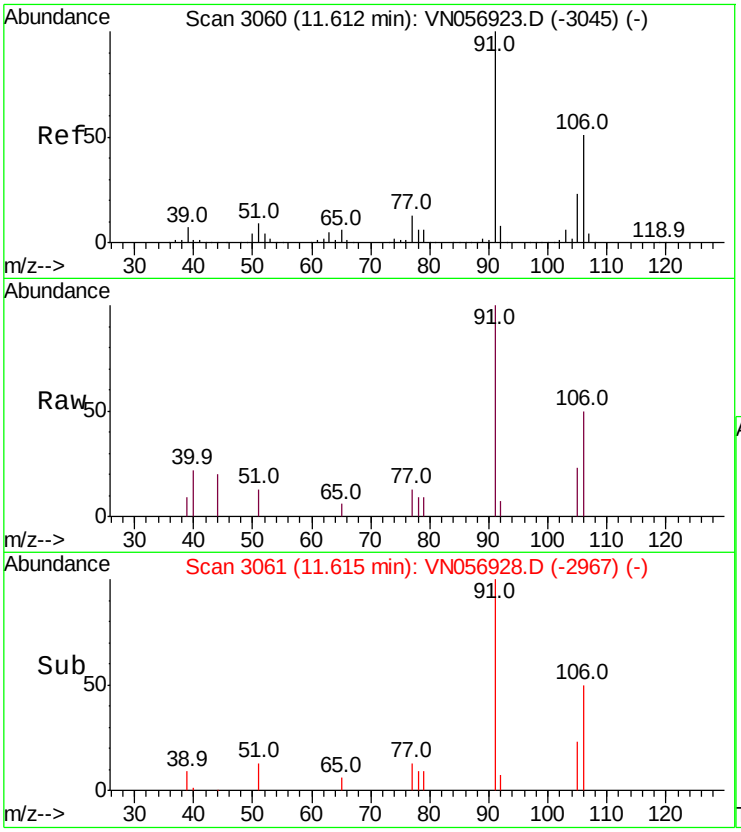


#64
Tetrachloroethene
Concen: 0.210 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion:164 Resp: 1066

Ion	Ratio	Lower	Upper
164	100		
166	119.4	101.6	152.4
129	74.3	70.9	106.3
131	83.8	68.4	102.6





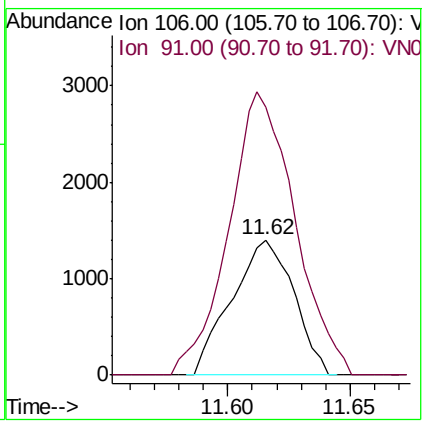
#68
m/p-Xylenes
Concen: 0.332 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

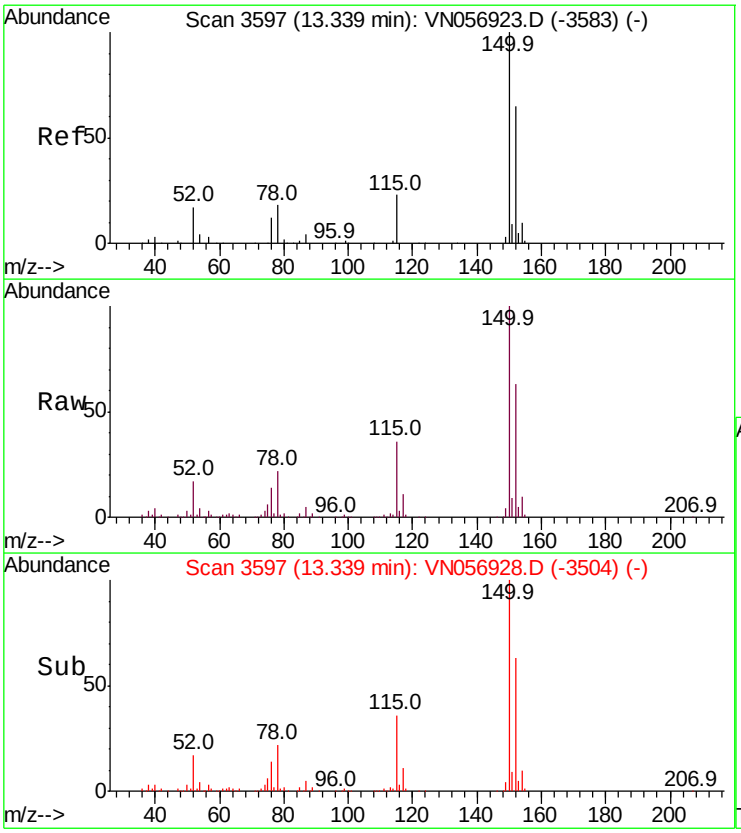
Tgt Ion:106 Resp: 2474

Ion	Ratio	Lower	Upper
106	100		
91	223.4	159.6	239.4

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

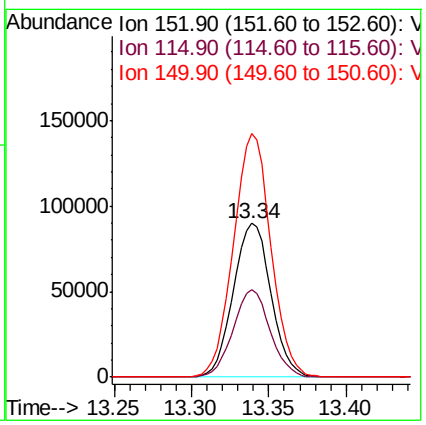


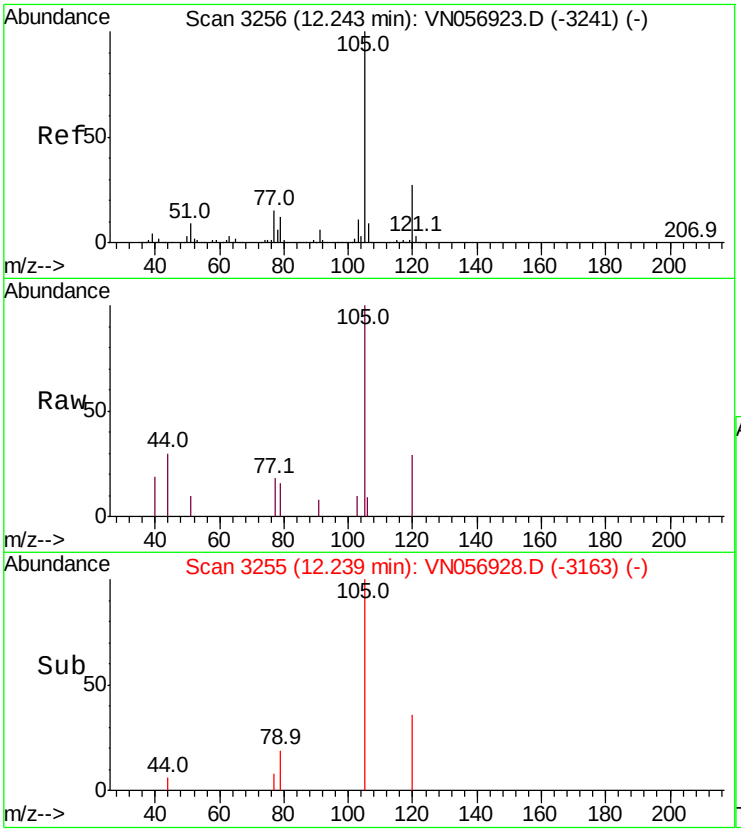


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion:152 Resp: 152150

Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.9	83.7
150	157.0	0.0	354.2





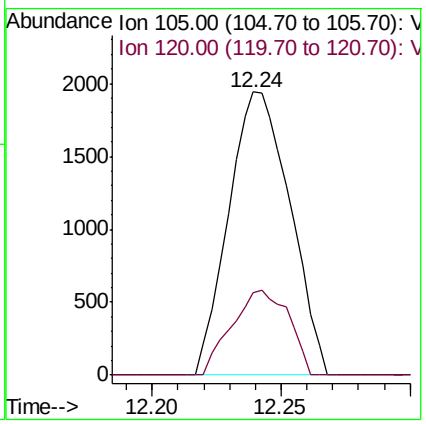
#73
Isopropylbenzene
Concen: 0.233 ug/l
RT: 12.24 min Scan# 3255
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

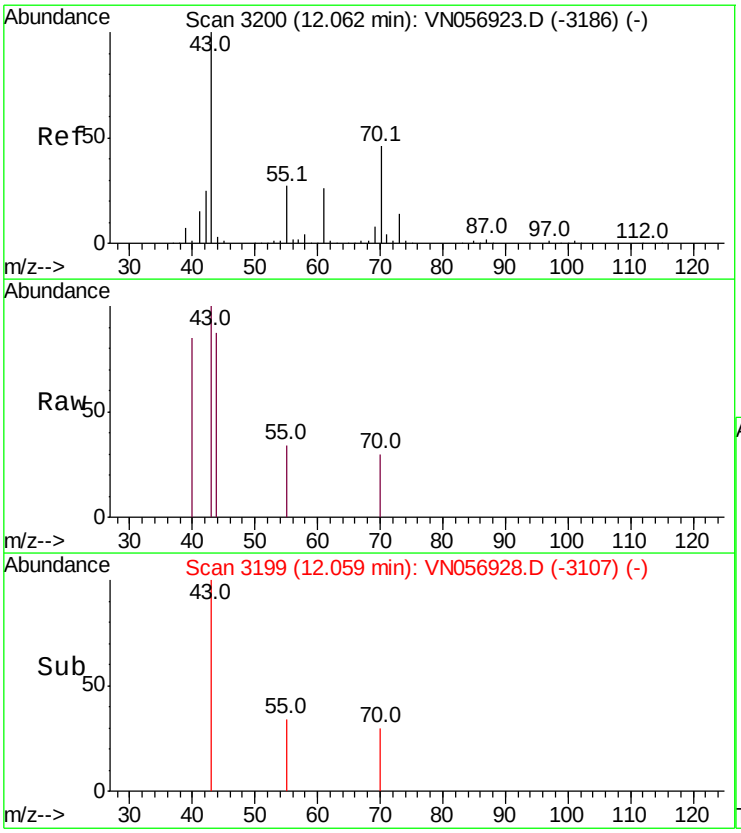
Tgt Ion:105 Resp: 3223

Ion	Ratio	Lower	Upper
105	100		
120	27.9	13.4	40.1

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

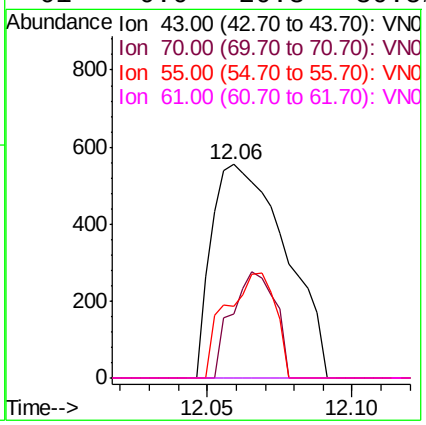


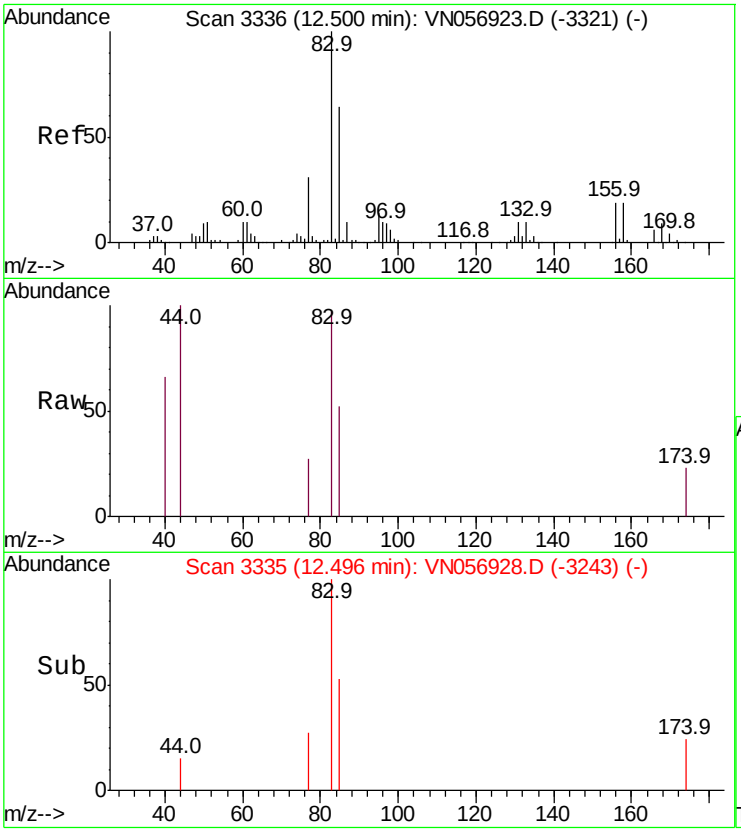


#74
N-amyl acetate
Concen: 0.242 ug/l
RT: 12.06 min Scan# 3199
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion: 43 Resp: 984

Ion	Ratio	Lower	Upper
43	100		
70	29.1	35.9	53.9#
55	32.8	21.4	32.2#
61	0.0	20.3	30.5#





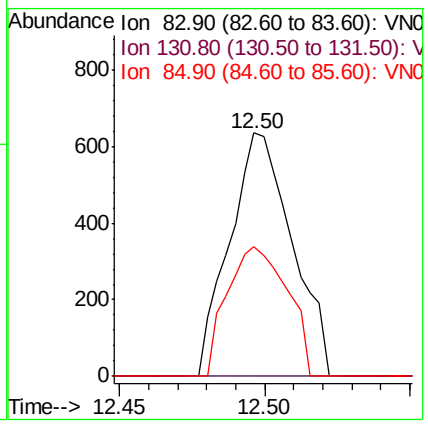
#75
1,1,2,2-Tetrachloroethane
Concen: 0.239 ug/l
RT: 12.50 min Scan# 3335
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

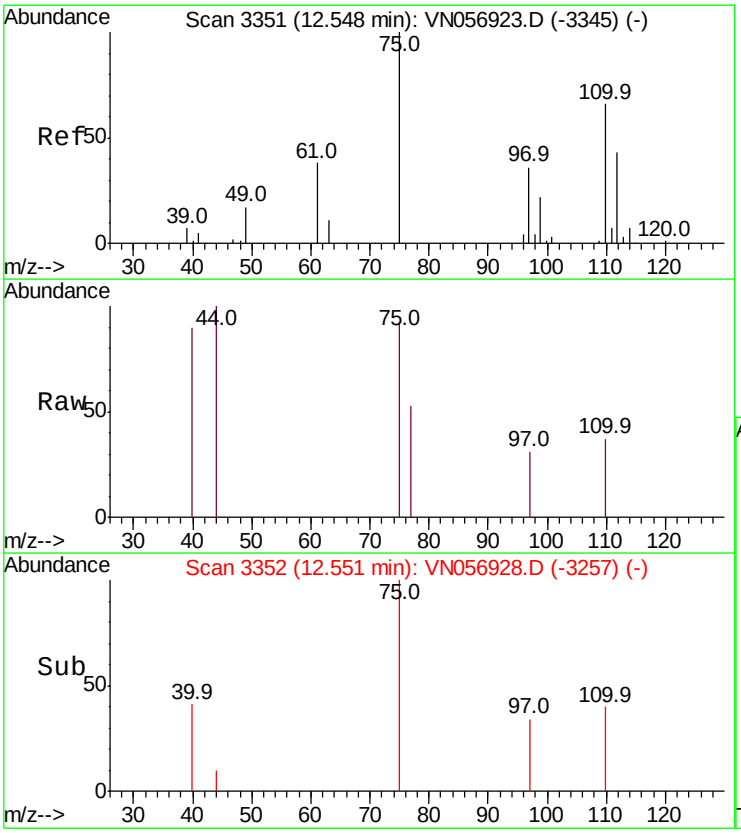
Tgt Ion: 83 Resp: 953

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	15.8#
85	51.3	32.3	96.9

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

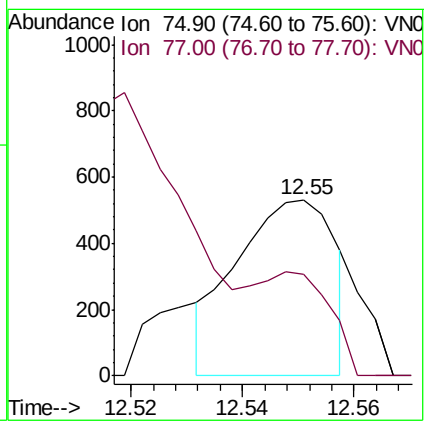


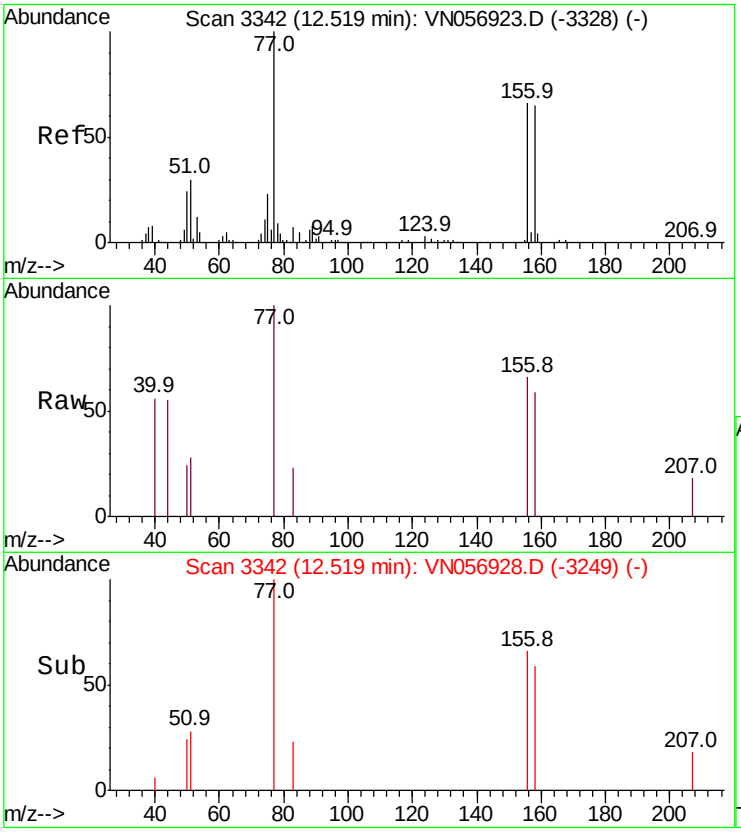


#76
1,2,3-Trichloropropane
Concen: 0.214 ug/l m
RT: 12.55 min Scan# 3352
Delta R.T. 0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion: 75 Resp: 653

Ion	Ratio	Lower	Upper
75	100		
77	159.6	0.0	0.0#

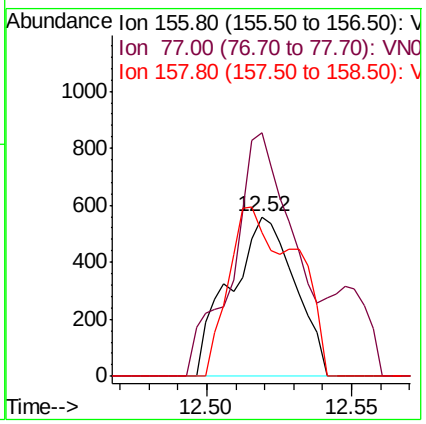




#77
Bromobenzene
Concen: 0.246 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

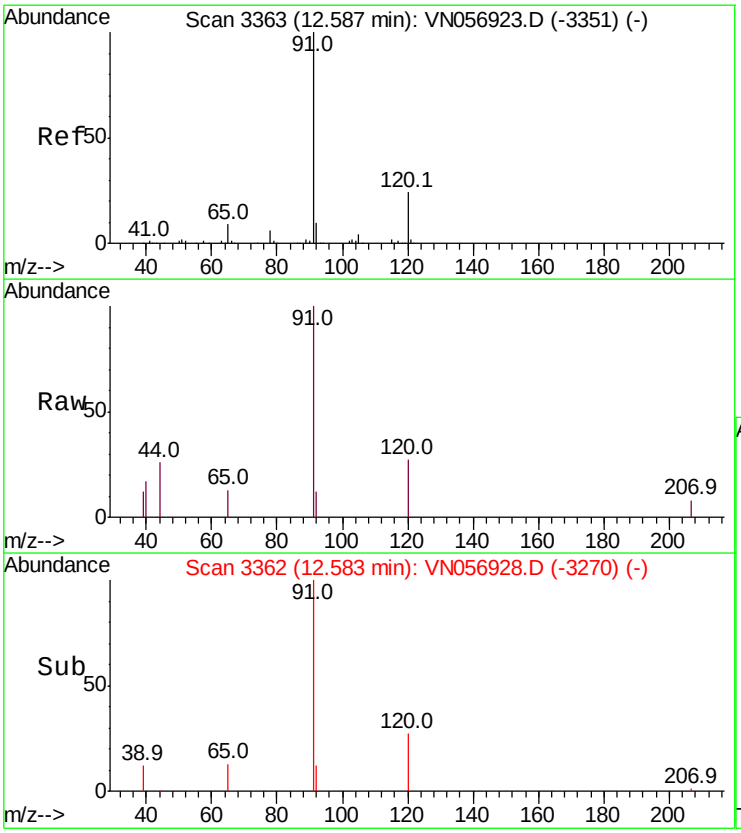
Tgt Ion:156 Resp: 871

Ion	Ratio	Lower	Upper
156	100		
77	141.9	90.8	272.3
158	109.0	49.5	148.5



Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

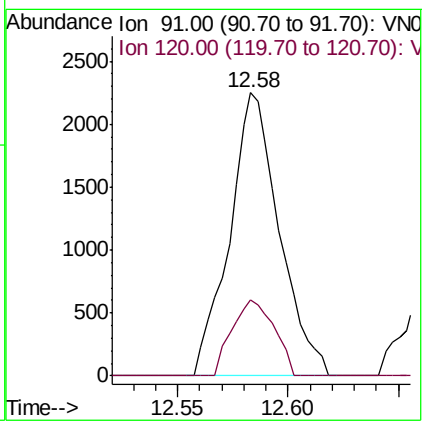
Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

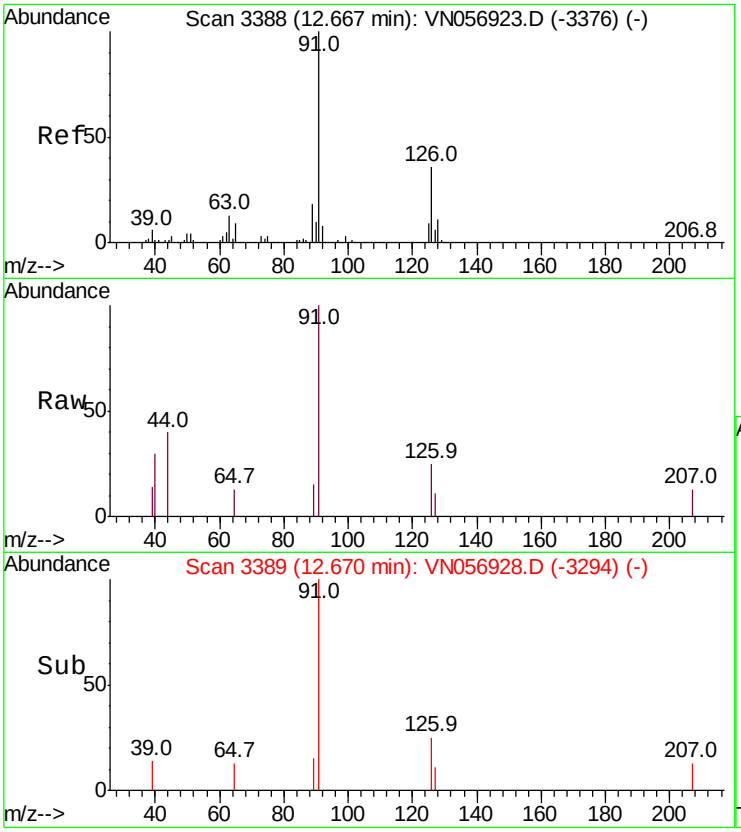


#78
n-propylbenzene
Concen: 0.240 ug/l
RT: 12.58 min Scan# 3362
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion: 91 Resp: 3516

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.9	35.7





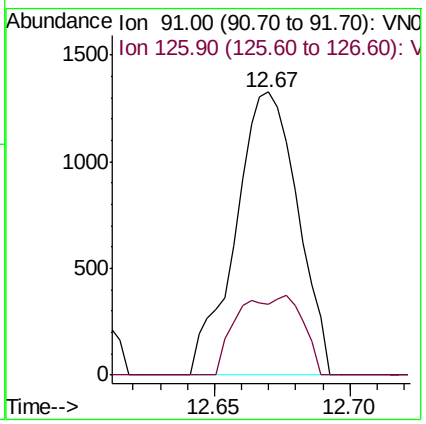
#79
2-Chlorotoluene
Concen: 0.233 ug/l m
RT: 12.67 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

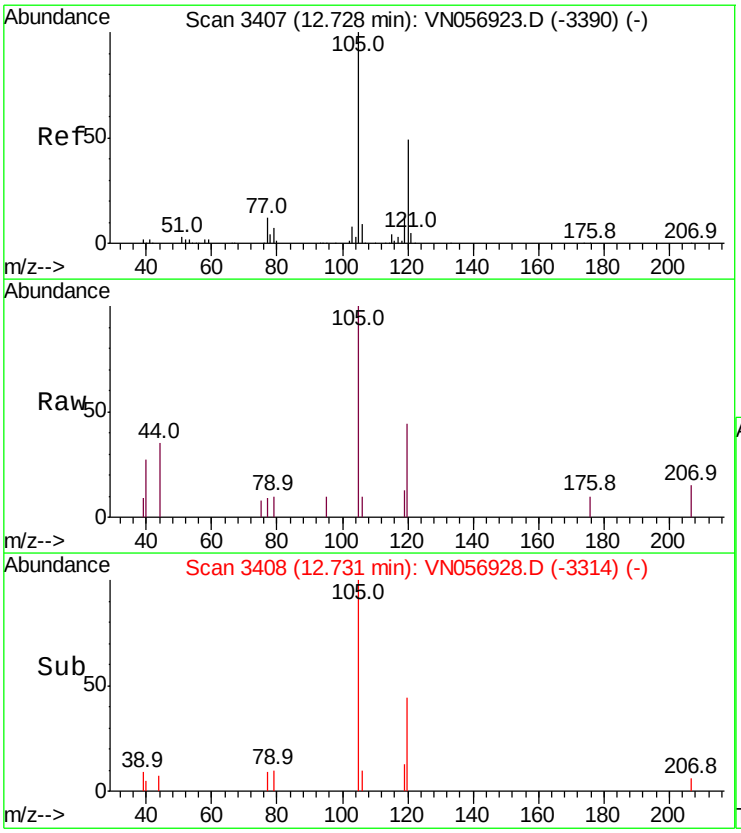
Tgt Ion: 91 Resp: 2122

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.9	53.7

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

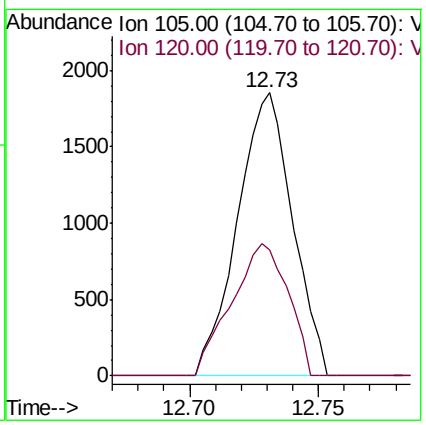


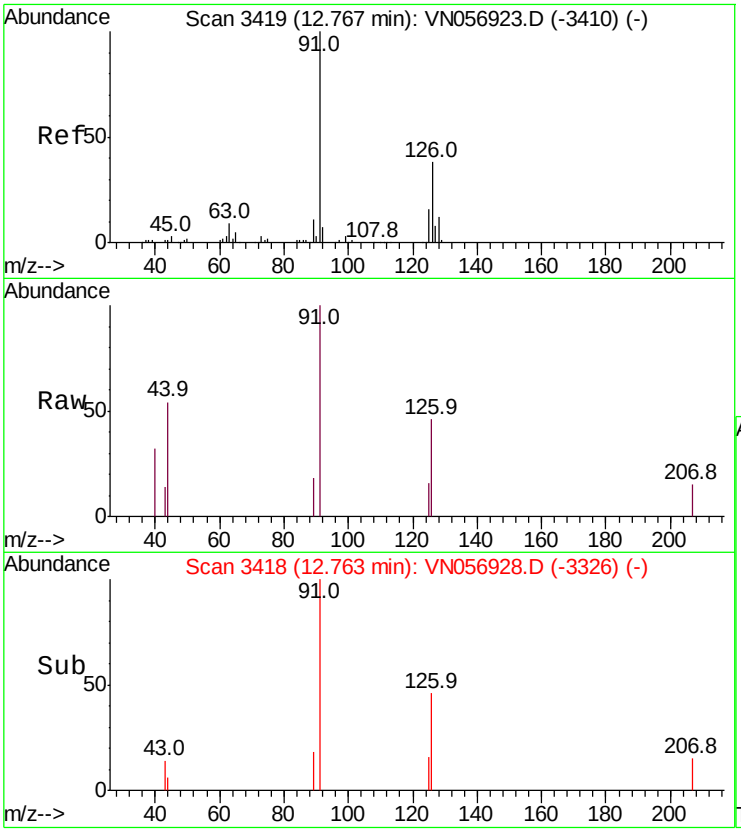


#80
1,3,5-Trimethylbenzene
Concen: 0.241 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion:105 Resp: 2760

Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.9	74.7





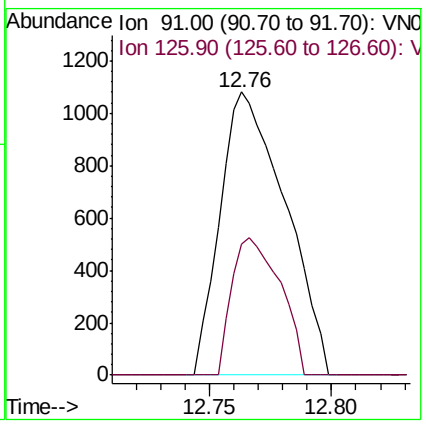
#82
4-Chlorotoluene
Concen: 0.240 ug/l
RT: 12.76 min Scan# 3418
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

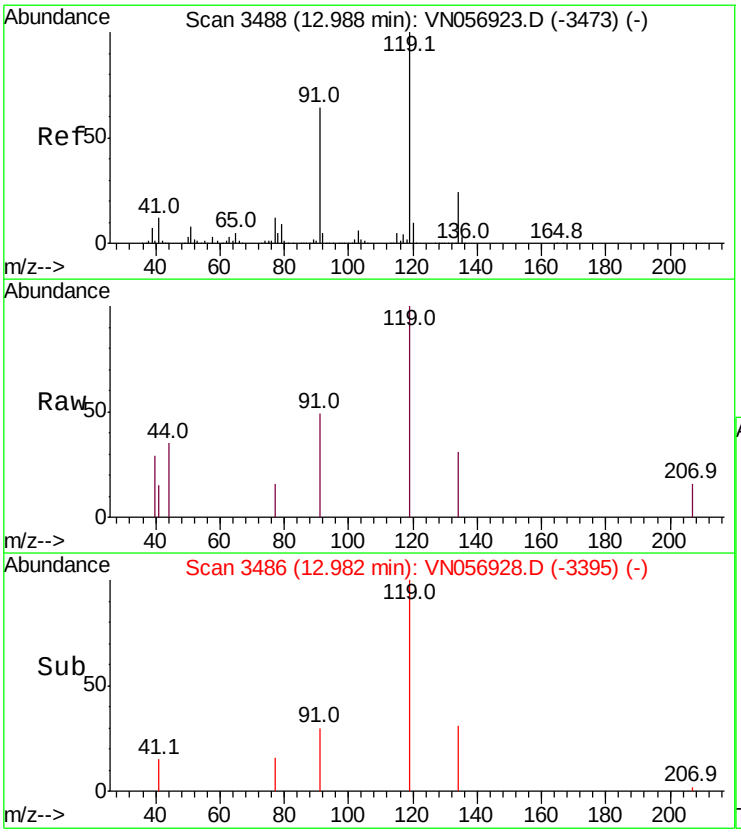
Tgt Ion: 91 Resp: 2005

Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.3	51.7

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

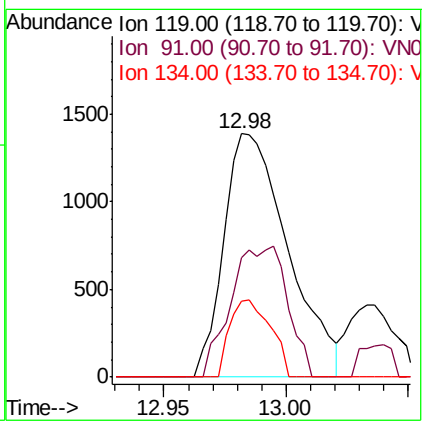


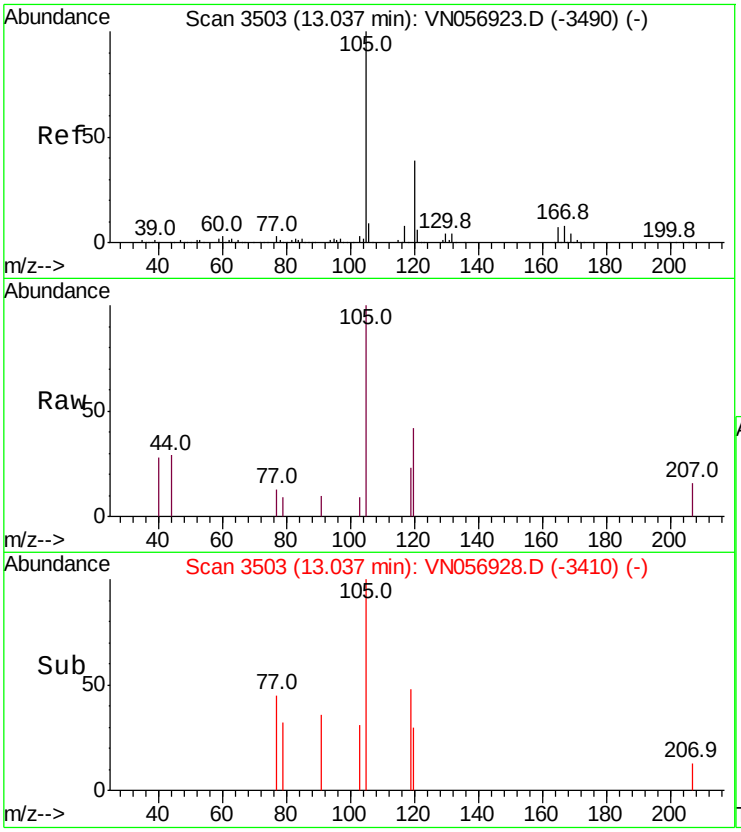


#83
tert-Butylbenzene
Concen: 0.252 ug/l
RT: 12.98 min Scan# 3486
Delta R.T. -0.01 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion:119 Resp: 2536

Ion	Ratio	Lower	Upper
119	100		
91	47.4	31.6	95.0
134	20.0	13.2	39.5

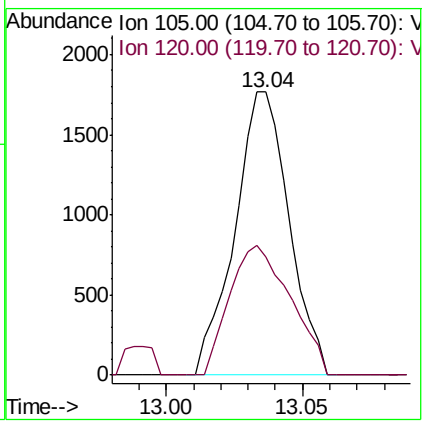




#84
1,2,4-Trimethylbenzene
Concen: 0.225 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

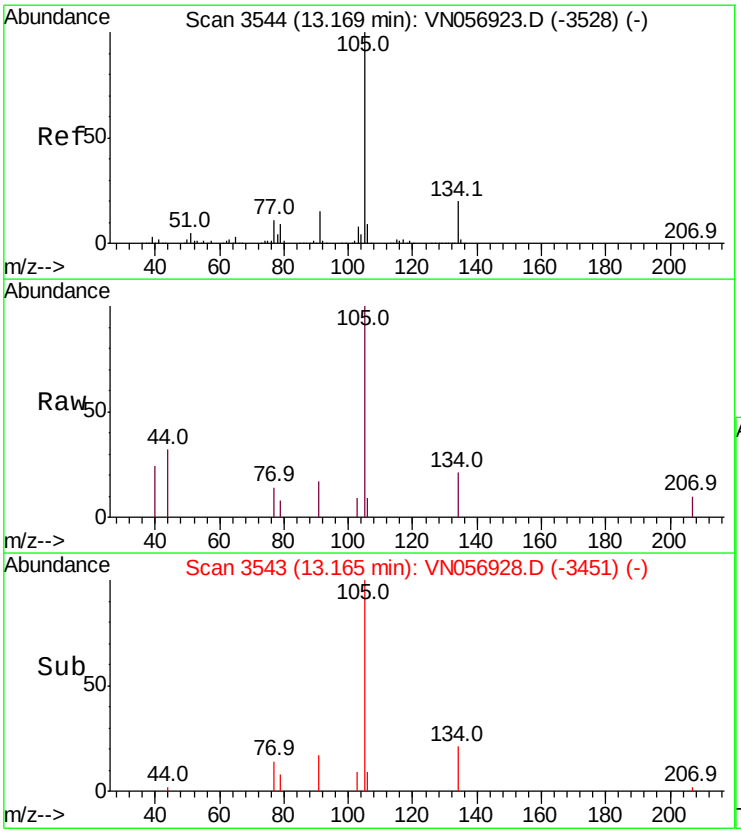
Tgt Ion:105 Resp: 2435

Ion	Ratio	Lower	Upper
105	100		
120	51.7	23.1	69.2



Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

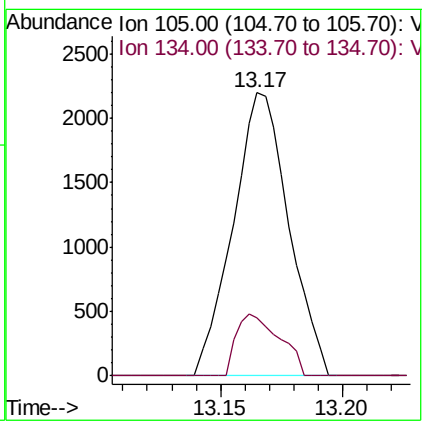
Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

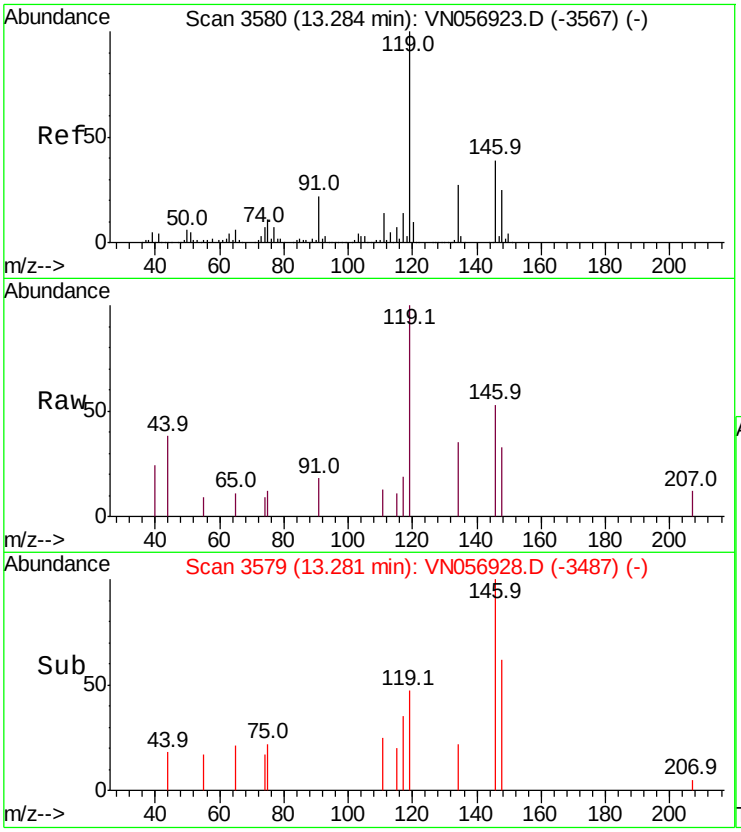


#85
sec-Butylbenzene
Concen: 0.273 ug/l
RT: 13.17 min Scan# 3543
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion:105 Resp: 3475

Ion	Ratio	Lower	Upper
105	100		
134	17.1	10.3	30.8





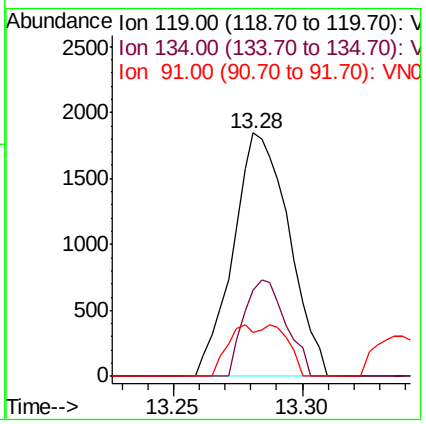
#86
p-Isopropyltoluene
Concen: 0.248 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

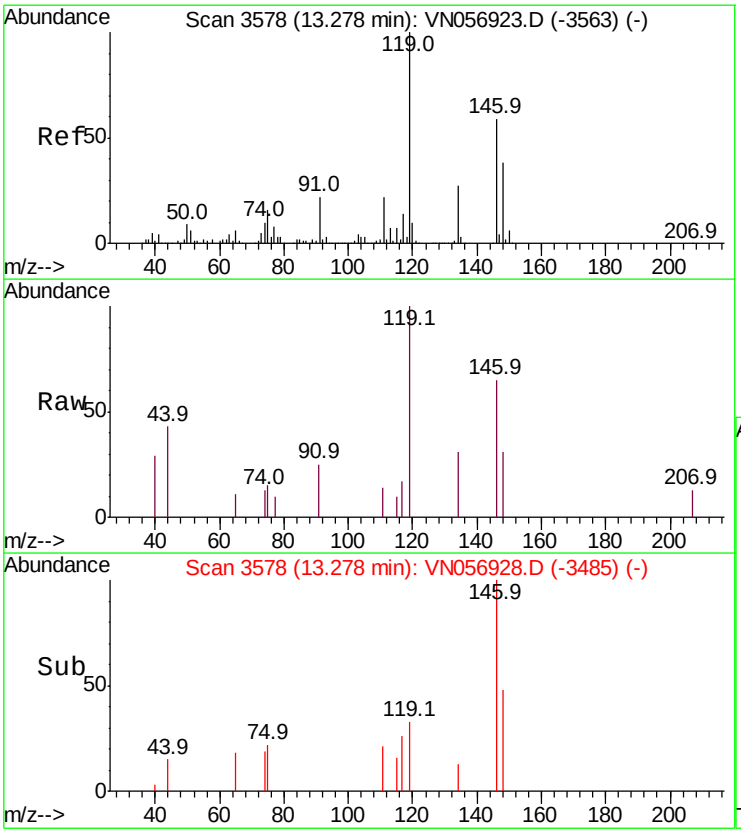
Tgt Ion:119 Resp: 2788

Ion	Ratio	Lower	Upper
119	100		
134	29.9	13.5	40.5
91	10.3	11.0	33.0#

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

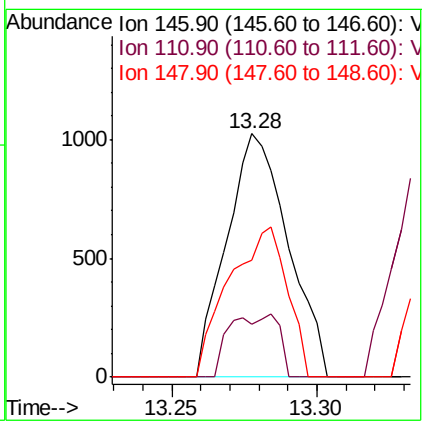


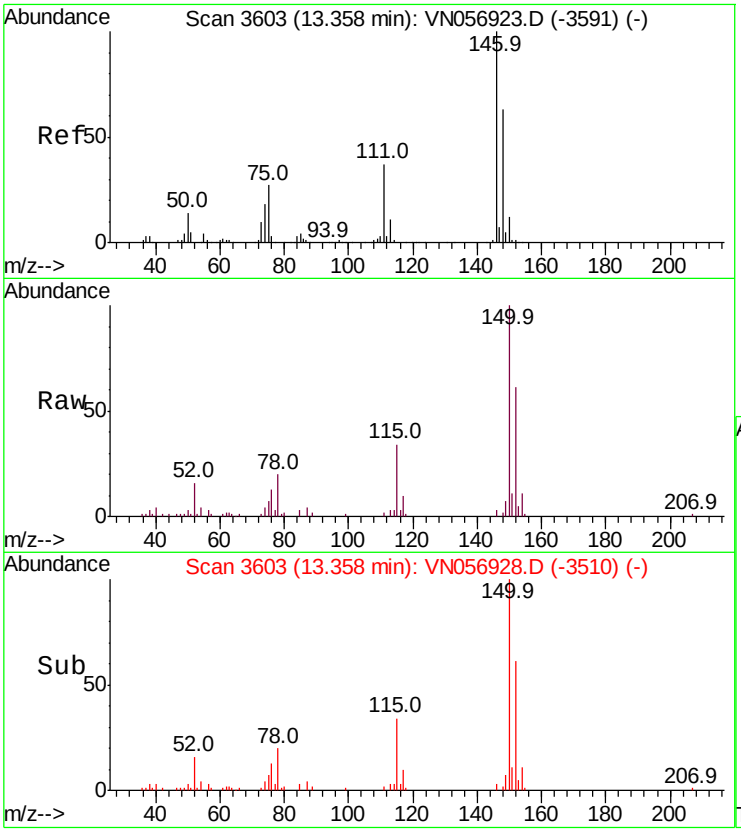


#87
1,3-Dichlorobenzene
Concen: 0.285 ug/l
RT: 13.28 min Scan# 3578
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion:146 Resp: 1509

Ion	Ratio	Lower	Upper
146	100		
111	11.3	18.6	56.0#
148	58.3	31.6	94.7





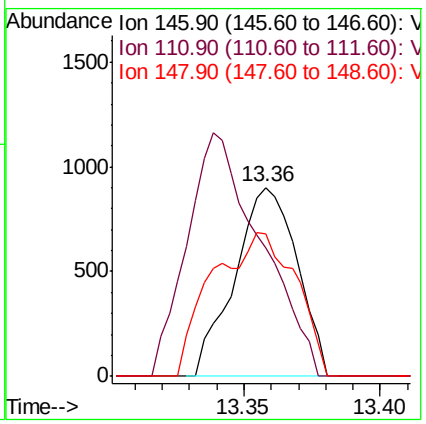
#88
1,4-Dichlorobenzene
Concen: 0.281 ug/l
RT: 13.36 min Scan# 3603
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

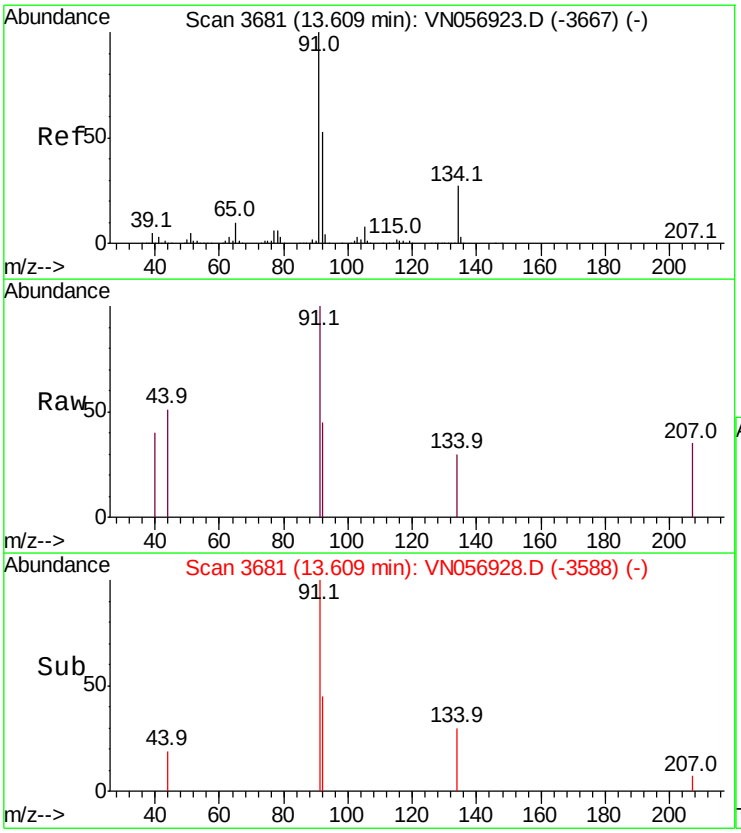
Tgt Ion:146 Resp: 1425

Ion	Ratio	Lower	Upper
146	100		
111	152.2	18.9	56.5#
148	102.2	32.1	96.3#

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

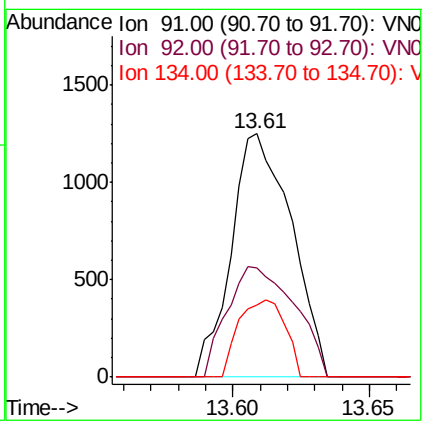


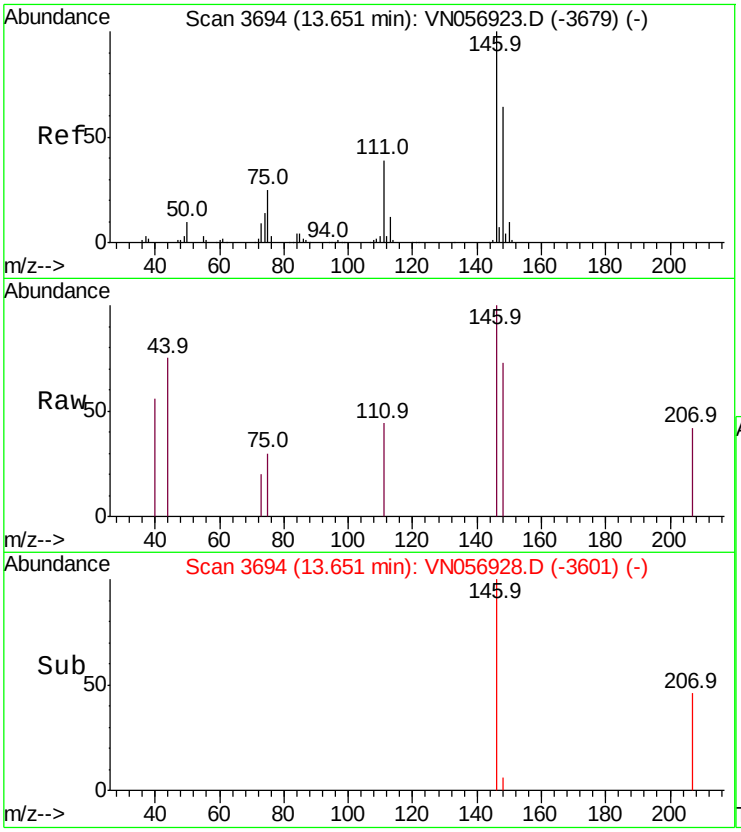


#89
n-Butylbenzene
Concen: 0.220 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion: 91 Resp: 1912

Ion	Ratio	Lower	Upper
91	100		
92	50.9	26.5	79.5
134	24.4	13.5	40.5

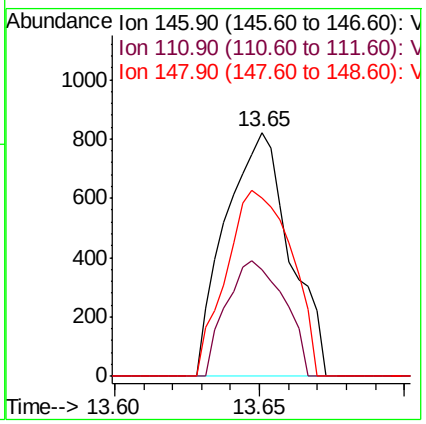




#91
1,2-Dichlorobenzene
Concen: 0.237 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

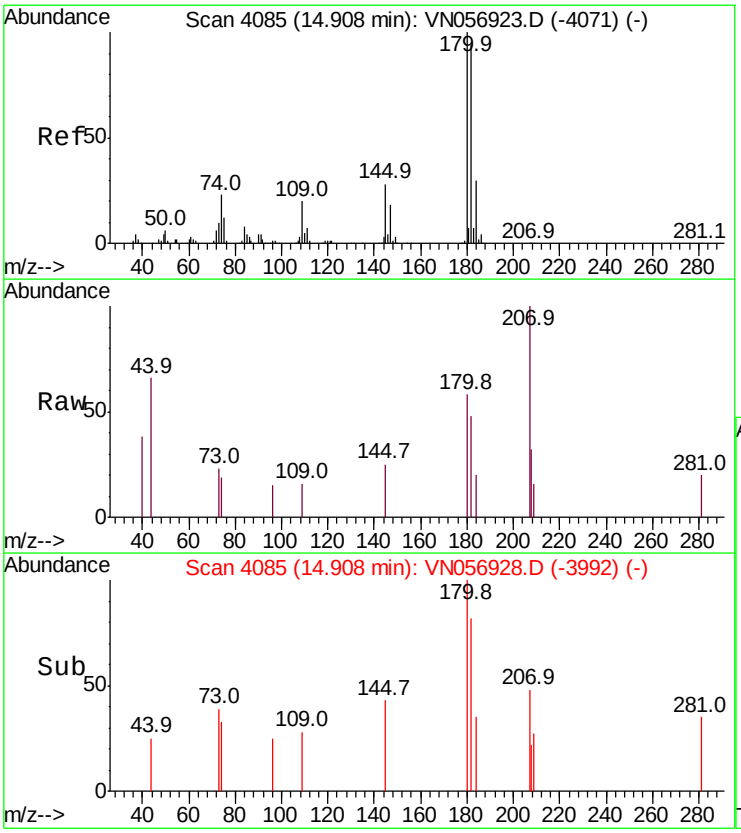
Tgt Ion:146 Resp: 1271

Ion	Ratio	Lower	Upper
146	100		
111	42.3	19.6	58.8
148	76.9	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

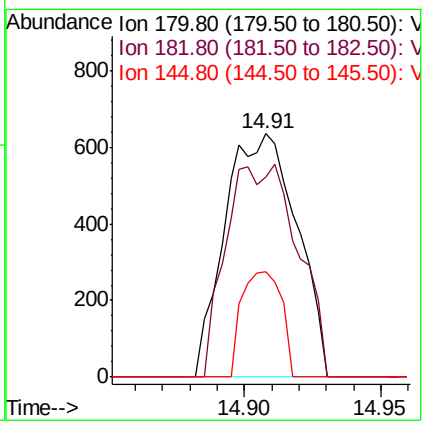
Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

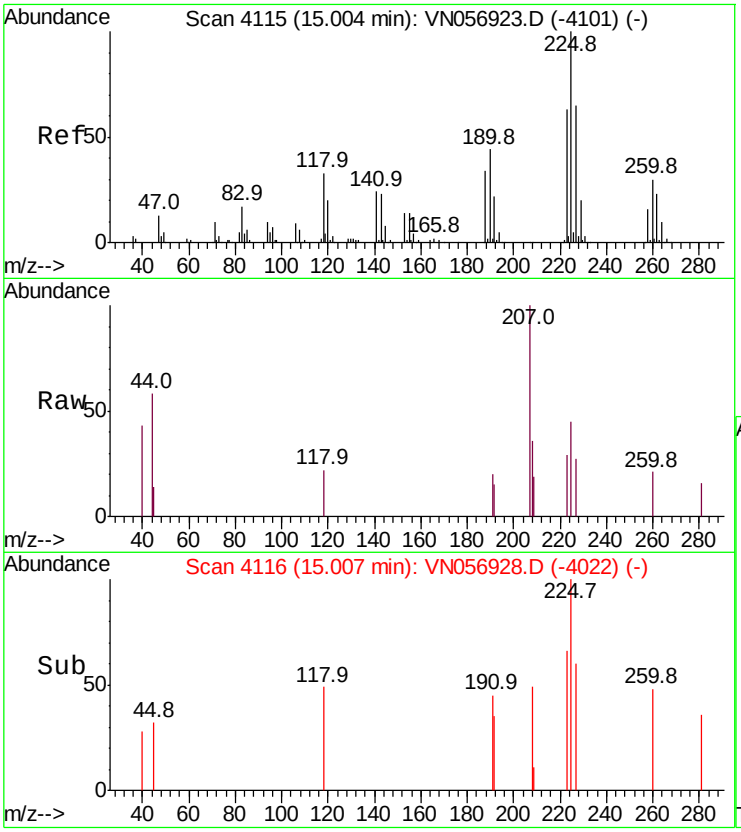


#93
1,2,4-Trichlorobenzene
Concen: 0.525 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion:180 Resp: 1163

Ion	Ratio	Lower	Upper
180	100		
182	41.9	47.9	143.8#
145	23.6	14.1	42.4

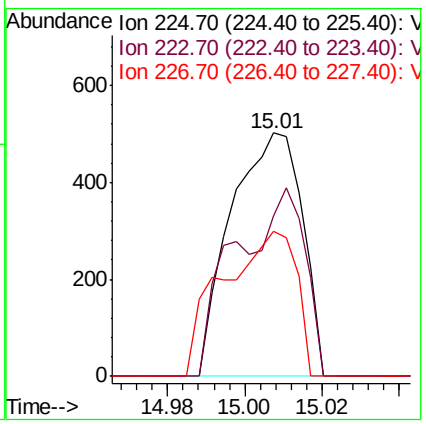




#94
Hexachlorobutadiene
Concen: 0.296 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

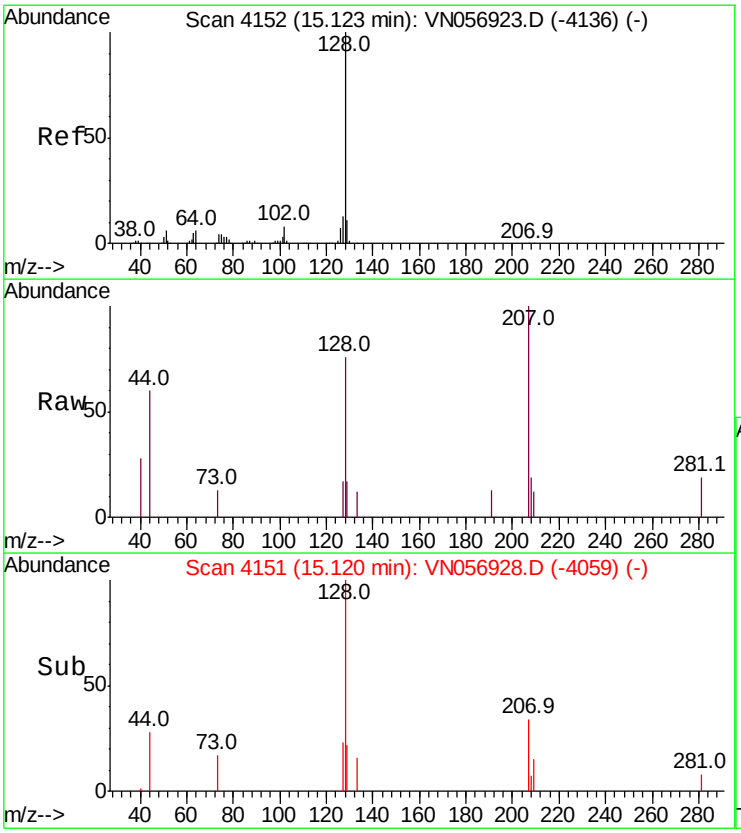
Tgt Ion:225 Resp: 641

Ion	Ratio	Lower	Upper
225	100		
223	45.2	31.3	93.9
227	61.8	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

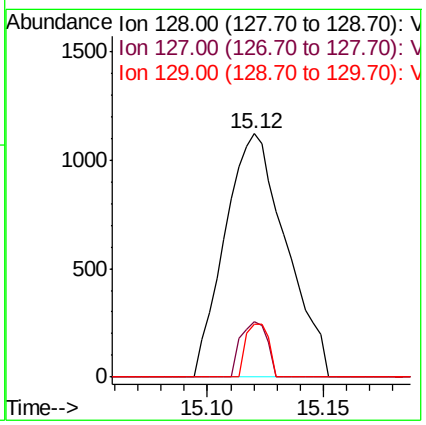
Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM

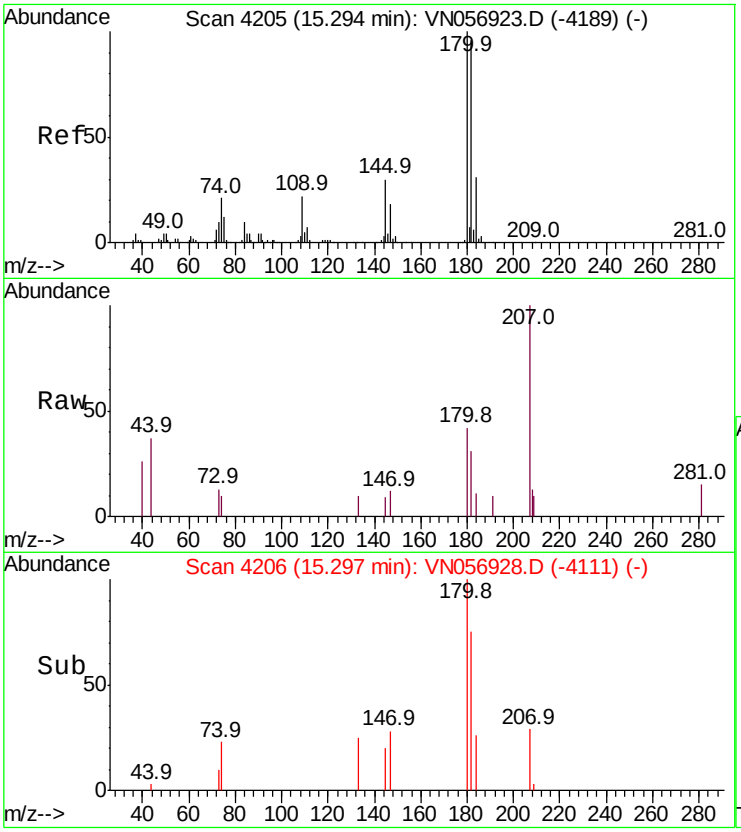


#95
Naphthalene
Concen: 0.367 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion:128 Resp: 2055

Ion	Ratio	Lower	Upper
128	100		
127	9.9	10.2	15.2#
129	8.2	8.6	13.0#

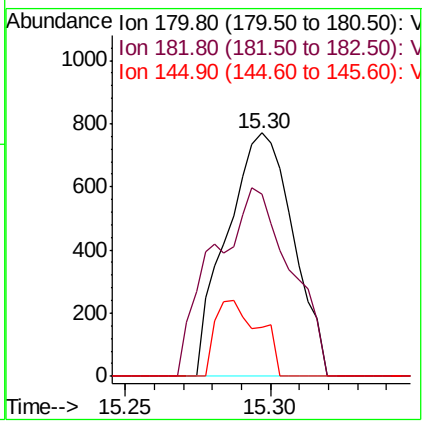




#96
1,2,3-Trichlorobenzene
Concen: 0.509 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion:180 Resp: 1224

Ion	Ratio	Lower	Upper
180	100		
182	90.1	48.4	145.3
145	20.6	15.1	45.3



Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/26/2019 3:37:15 PM