Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101119\
Data File : VV013119.D
Acq On : 11 Oct 2019 23:08
Operator : SY/MD
Sample : MDL07 2.5PPB
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

Manual Integrations APPROVED
MMDadoda
10/14/2019 4:13:39 PM

Quant Time: Oct 12 04:10:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 12 01:26:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	684653	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	644084	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	267222	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	234298	54.14	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 108.28%			
7) Chloroethane-d5	1.58	69	202934	57.21	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 114.42%			
11) 1,1-Dichloroethene-d2	2.13	63	334719	41.00	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 82.00%			
21) 2-Butanone-d5	3.92	46	367024	112.79	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 112.79%			
24) Chloroform-d	4.40	84	451185	54.16	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 108.32%			
26) 1,2-Dichloroethane-d4	5.08	65	293712	57.19	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 114.38%			
32) Benzene-d6	5.10	84	965752	56.20	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 112.40%			
36) 1,2-Dichloropropane-d6	6.12	67	308760	57.35	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 114.70%			
41) Toluene-d8	7.36	98	825185	53.66	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.32%			
43) trans-1,3-Dichloropropene-	7.66	79	125555	51.48	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 102.96%			
47) 2-Hexanone-d5	8.13	63	232173	108.38	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 108.38%			
57) 1,1,2,2-Tetrachloroethane-	10.26	84	371530	53.47	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 106.94%			
64) 1,2-Dichlorobenzene-d4	11.67	152	313954	59.97	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 119.94%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	12211	2.299	ug/L	100
3) Chloromethane	1.25	50	15154	2.508	ug/L	97
5) Vinyl chloride	1.33	62	13262	2.284	ug/L #	59
6) Bromomethane	1.53	94	8900	2.996	ug/L	99
8) Chloroethane	1.60	64	9024	2.613	ug/L	94
9) Trichlorofluoromethane	1.77	101	17191	2.308	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	13125	2.991	ug/L #	81
12) 1,1-Dichloroethene	2.14	96	11955	2.816	ug/L #	1
13) Acetone	2.19	43	11086	3.710	ug/L	96
14) Carbon disulfide	2.32	76	27854	2.262	ug/L	96
15) Methyl Acetate	2.46	43	11251	2.125	ug/L	98
16) Methylene chloride	2.54	84	12481	2.471	ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	10670	2.316	ug/L	96
18) Methyl tert-butyl Ether	2.80	73	29201	2.100	ug/L	99
19) 1,1-Dichloroethane	3.23	63	19176	2.207	ug/L	95
20) cis-1,2-Dichloroethene	3.96	96	11316	2.171	ug/L	92
22) 2-Butanone	4.02	43	12577	3.307	ug/L	75

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101119\
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Operator : SY/MD
Sample : MDL07 2.5PPB
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

Manual Integrations APPROVED
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10/14/2019 4:13:39 PM

Quant Time: Oct 12 04:10:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 12 01:26:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
23) Bromochloromethane	4.31	128	5849m	2.209 ug/L		
25) Chloroform	4.43	83	24814	2.834 ug/L		96
27) 1,2-Dichloroethane	5.18	62	16213	2.416 ug/L		95
29) Cyclohexane	4.73	56	15956	2.069 ug/L		98
30) 1,1,1-Trichloroethane	4.66	97	15566	2.178 ug/L		98
31) Carbon tetrachloride	4.88	117	14306	2.253 ug/L		99
33) Benzene	5.15	78	42315	2.157 ug/L		100
34) Trichloroethene	5.96	95	11676	2.235 ug/L		96
35) Methylcyclohexane	6.17	83	16458	2.083 ug/L		99
37) 1,2-Dichloropropane	6.22	63	12192	2.400 ug/L	#	93
38) Bromodichloromethane	6.55	83	13891	2.149 ug/L		100
39) cis-1,3-Dichloropropene	7.07	75	14609	1.945 ug/L		95
40) 4-Methyl-2-pentanone	7.27	43	24644	3.706 ug/L		97
42) Toluene	7.43	91	45850	2.270 ug/L		99
44) trans-1,3-Dichloropropene	7.69	75	13487	2.071 ug/L		95
45) 1,1,2-Trichloroethane	7.88	97	11017	2.284 ug/L		94
46) Tetrachloroethene	8.02	164	9344	2.260 ug/L		93
48) 2-Hexanone	8.18	43	32262	6.274 ug/L	#	88
49) Dibromochloromethane	8.29	129	10803	2.055 ug/L		97
50) 1,2-Dibromoethane	8.40	107	10650	2.113 ug/L	#	99
51) Chlorobenzene	8.92	112	29090	2.196 ug/L		97
52) Ethylbenzene	9.05	91	43286	2.007 ug/L		94
53) m,p-Xylene	9.18	106	15131	1.864 ug/L		99
54) o-xylene	9.59	106	14795	1.820 ug/L		97
55) Styrene	9.60	104	23410	1.753 ug/L		100
56) Isopropylbenzene	9.97	105	35839	1.717 ug/L		98
58) 1,1,2,2-Tetrachloroethane	10.28	83	17325	2.471 ug/L		99
59) 1,2,3-Trichloropropane	10.32	75	13520	2.186 ug/L		98
61) Bromoform	9.77	173	7748	2.304 ug/L	#	94
62) 1,3-Dichlorobenzene	11.22	146	18766	2.172 ug/L		97
63) 1,4-Dichlorobenzene	11.31	146	21595	2.489 ug/L		97
65) 1,2-Dichlorobenzene	11.69	146	22324	2.538 ug/L		99
66) 1,2-Dibromo-3-chloropropan	12.47	75	2724	2.129 ug/L		93
67) 1,3,5-Trichlorobenzene	12.69	180	13394	2.173 ug/L		96
68) 1,2,4-trichlorobenzene	13.31	180	10897	2.062 ug/L		99
69) Naphthalene	13.55	128	22150	1.521 ug/L		99
70) 1,2,3-Trichlorobenzene	13.79	180	11000	1.945 ug/L		97

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

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101119\
Data File : VV013119.D
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Sample : MDL07 2.5PPB
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 12 04:10:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 12 01:26:57 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

Manual Integrations APPROVED
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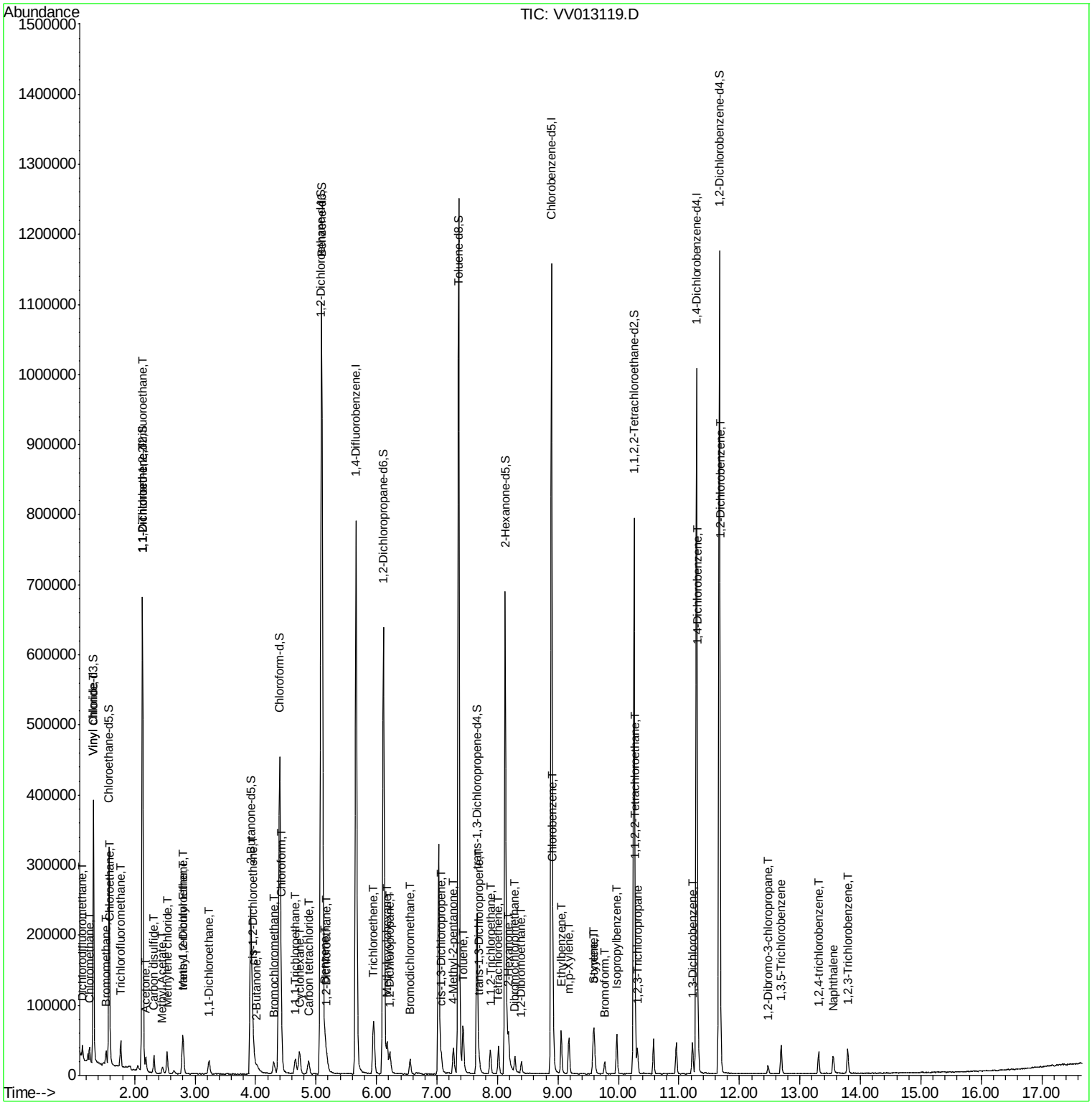
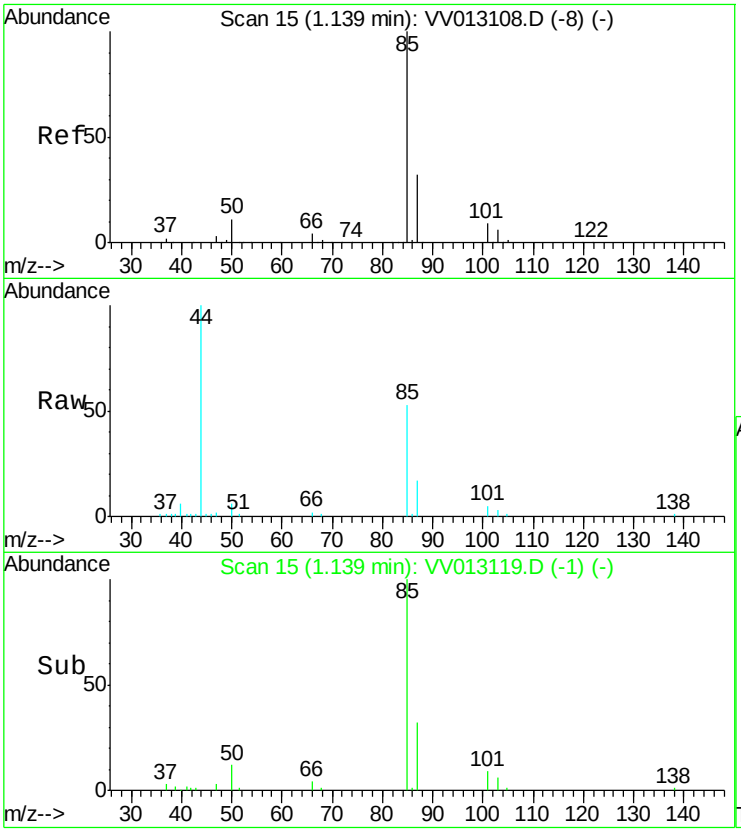
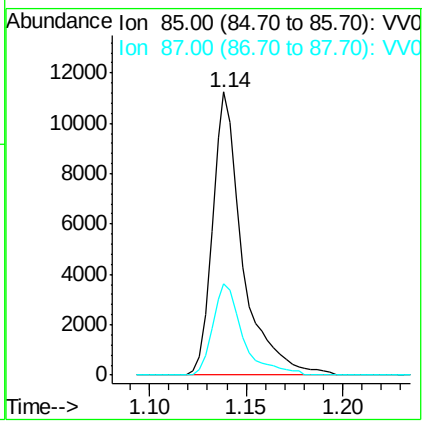




#2
Dichlorodifluoromethane
Concen: 2.299 ug/L
RT: 1.14 min Scan# 15
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 85 Resp: 12211

Ion	Ratio	Lower	Upper
85	100		
87	32.2	25.6	38.4



Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

Manual Integrations APPROVED
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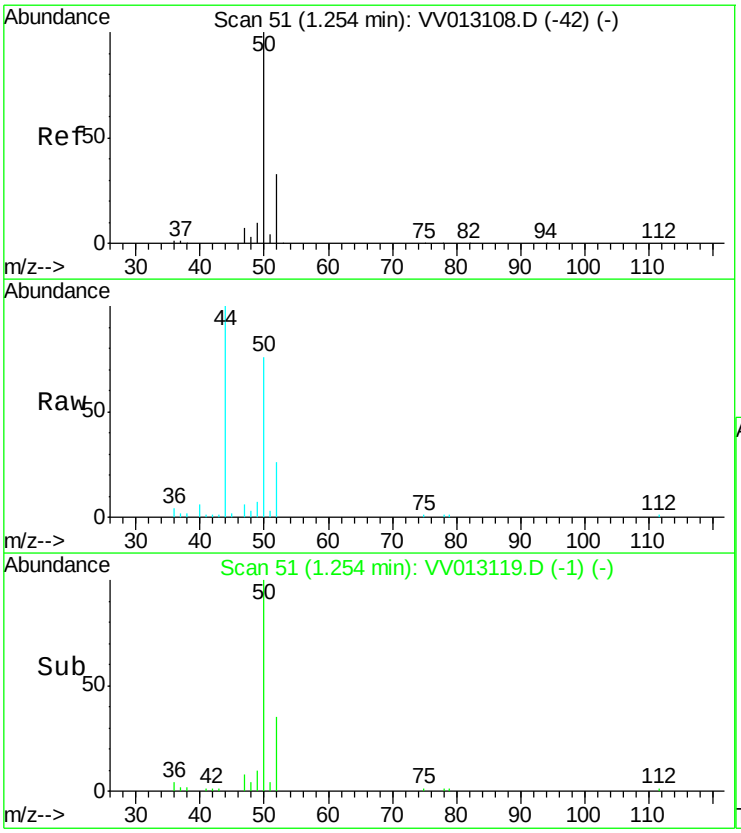
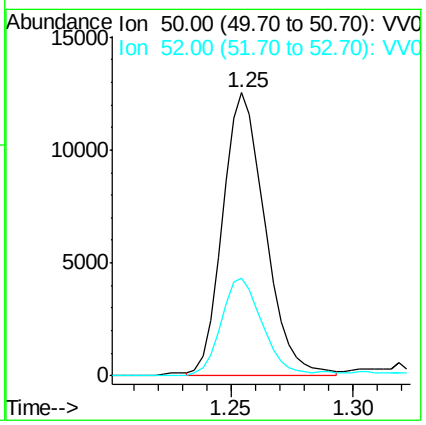
10/14/2019 4:13:39 PM

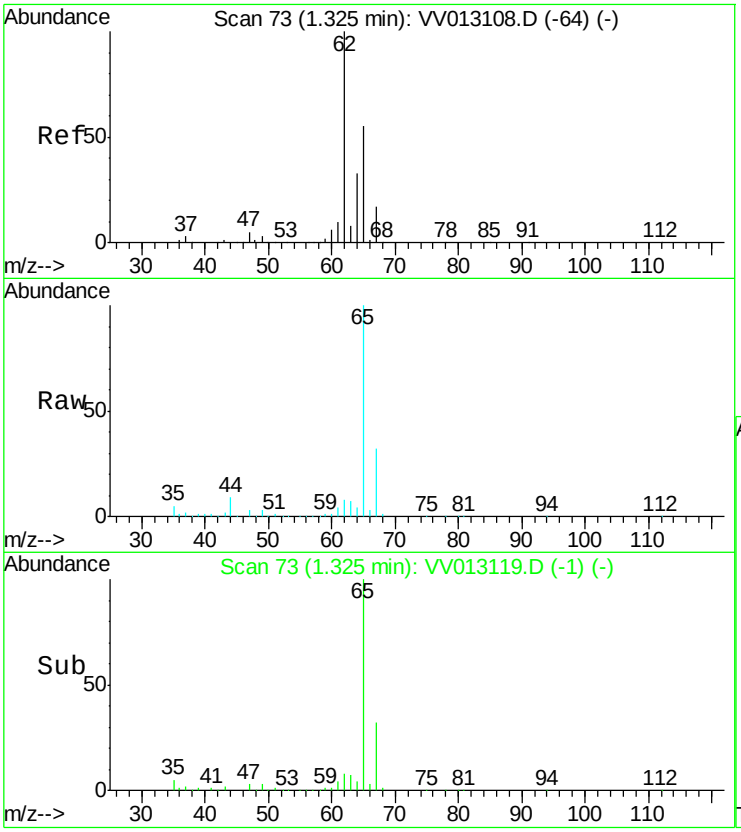


#3
Chloromethane
Concen: 2.508 ug/L
RT: 1.25 min Scan# 51
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 50 Resp: 15154

Ion	Ratio	Lower	Upper
50	100		
52	34.6	23.0	42.6

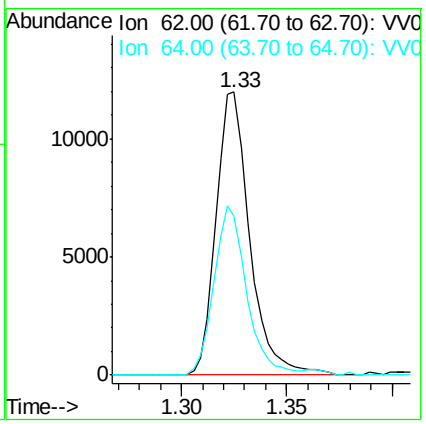




#5
Vinyl chloride
Concen: 2.284 ug/L
RT: 1.33 min Scan# 73
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 62 Resp: 13262

Ion	Ratio	Lower	Upper
62	100		
64	56.0	22.9	42.5#



Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

Manual Integrations APPROVED
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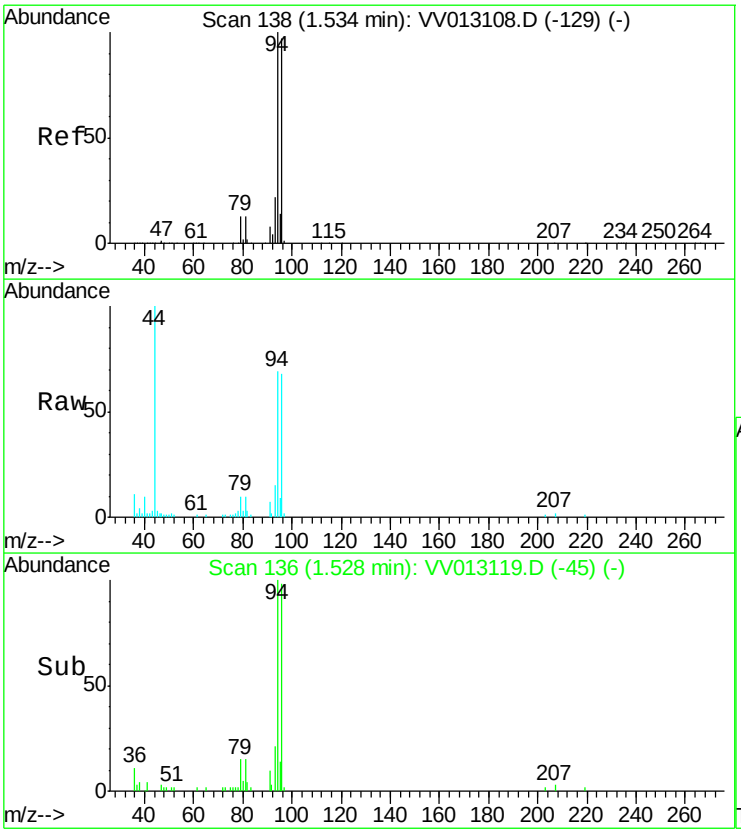
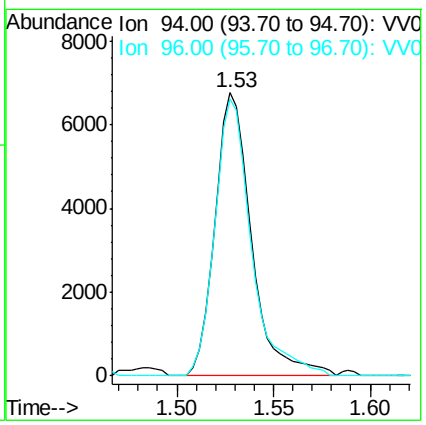
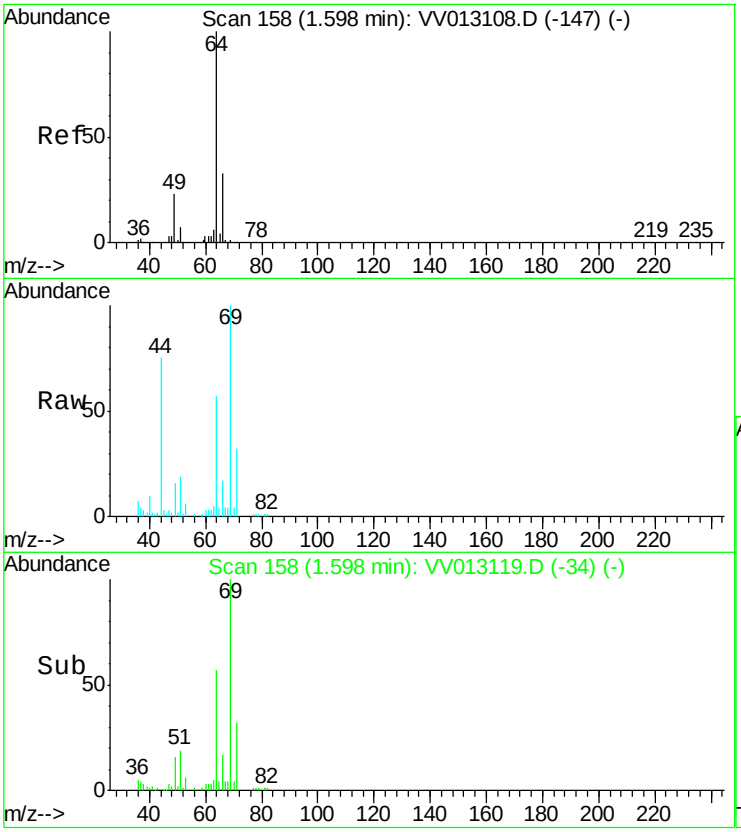


#6
Bromomethane
Concen: 2.996 ug/L
RT: 1.53 min Scan# 136
Delta R.T. -0.01 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 94 Resp: 8900

Ion	Ratio	Lower	Upper
94	100		
96	98.1	68.0	126.2

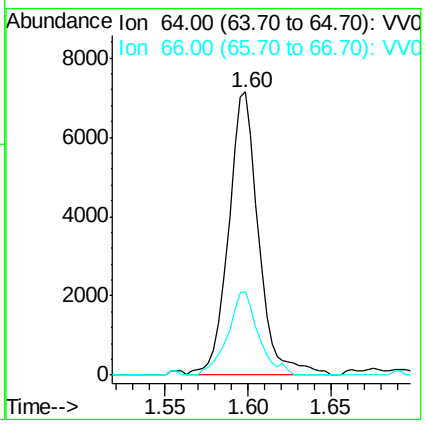




#8
Chloroethane
Concen: 2.613 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 64 Resp: 9024

Ion	Ratio	Lower	Upper
64	100		
66	29.5	23.0	42.8



Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

Manual Integrations APPROVED
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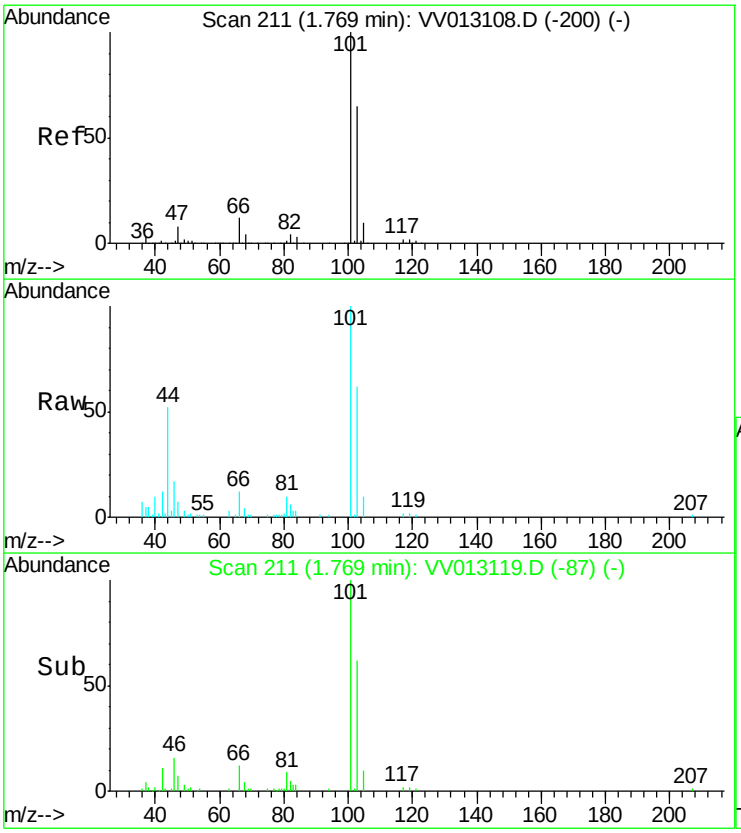
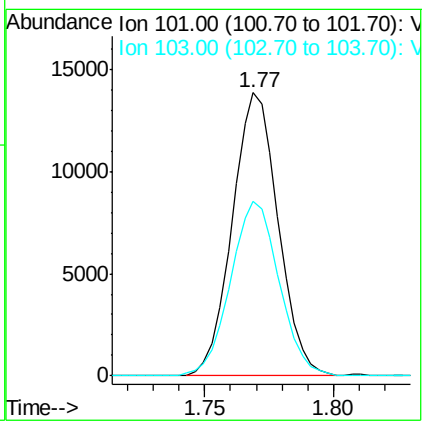
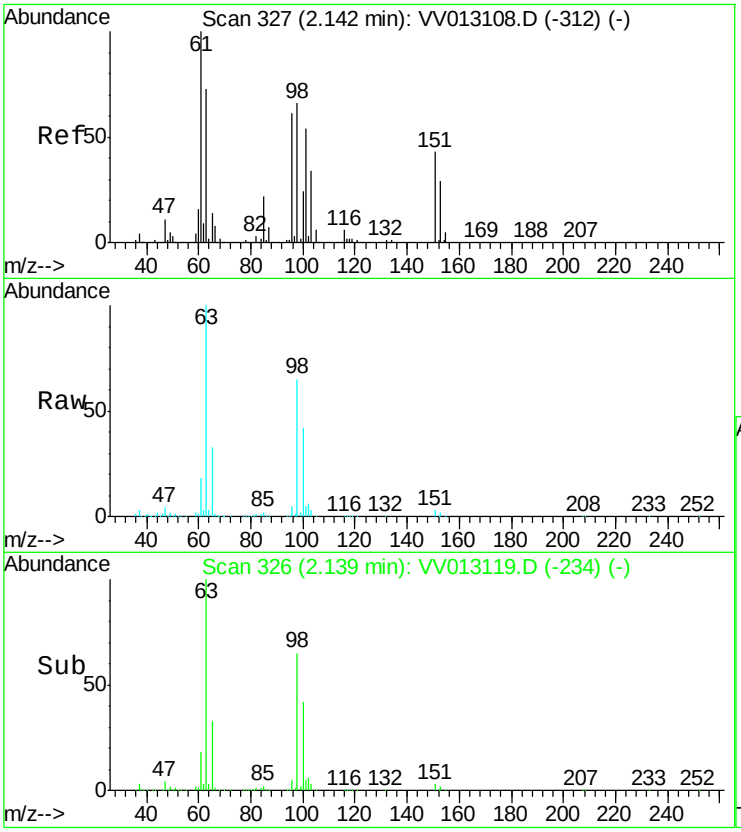


#9
Trichlorofluoromethane
Concen: 2.308 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion:101 Resp: 17191

Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.3	76.9





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.991 ug/L
RT: 2.14 min Scan# 326
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion:101 Resp: 13125

Ion	Ratio	Lower	Upper
101	100		
85	32.9	32.9	49.3
151	62.0	64.9	97.3#

Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

Manual Integrations APPROVED
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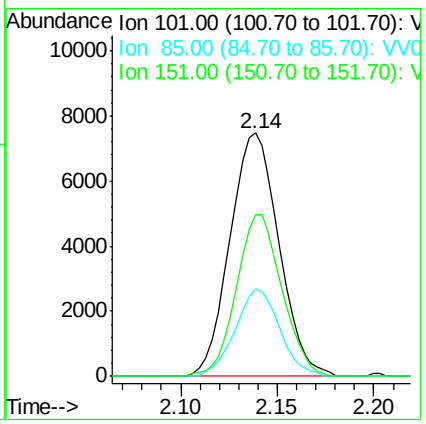
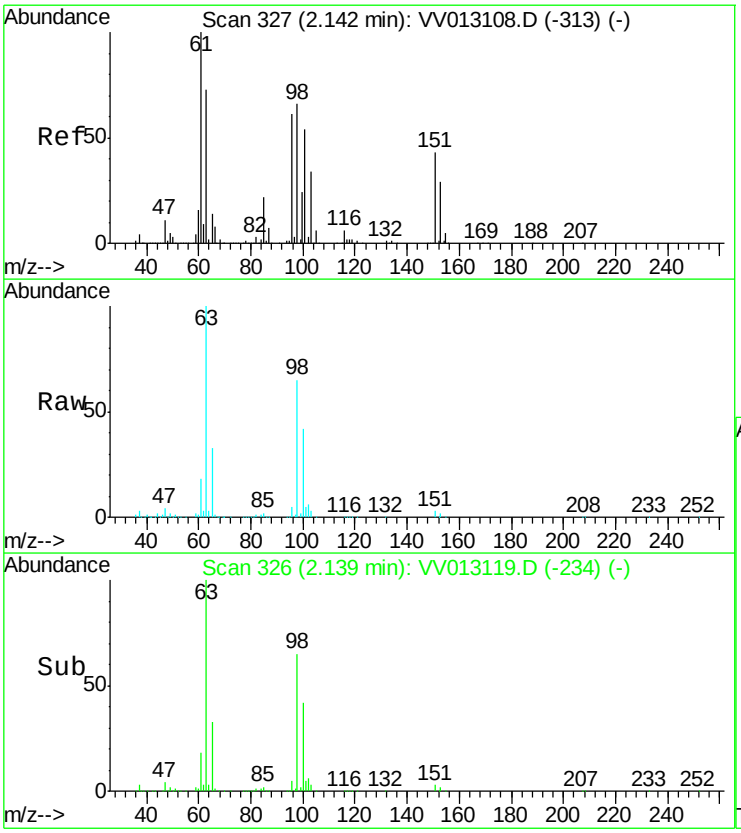
10/14/2019 4:13:39 PM

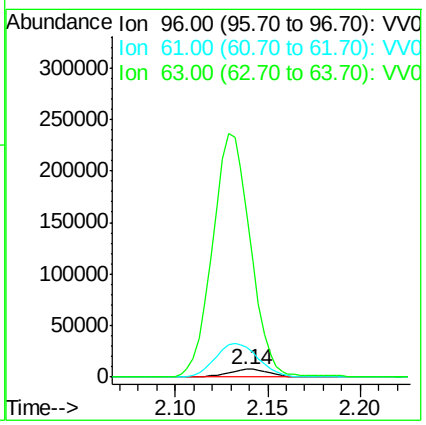


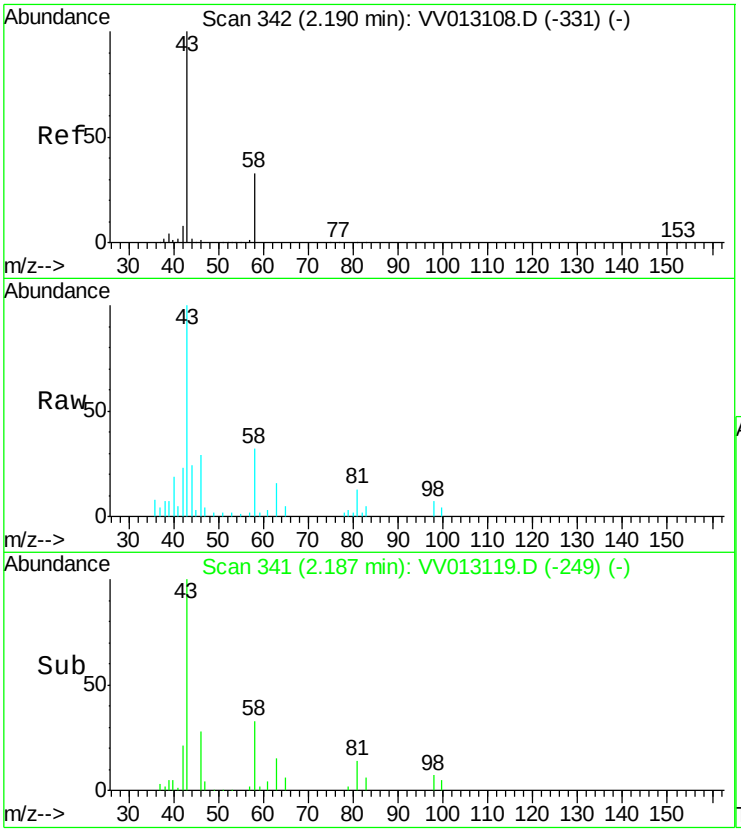


#12
1,1-Dichloroethene
Concen: 2.816 ug/L
RT: 2.14 min Scan# 326
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 96 Resp: 11955

Ion	Ratio	Lower	Upper
96	100		
61	377.9	115.7	214.9#
63	2086.1	84.3	156.5#

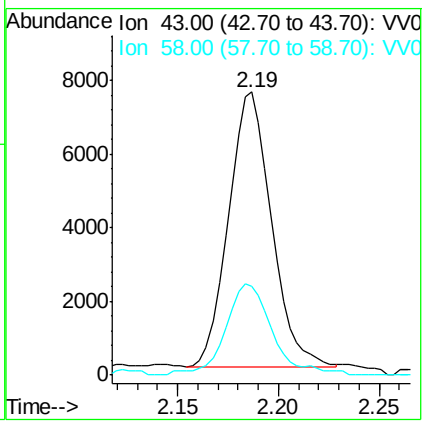




#13
Acetone
Concen: 3.710 ug/L
RT: 2.19 min Scan# 341
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

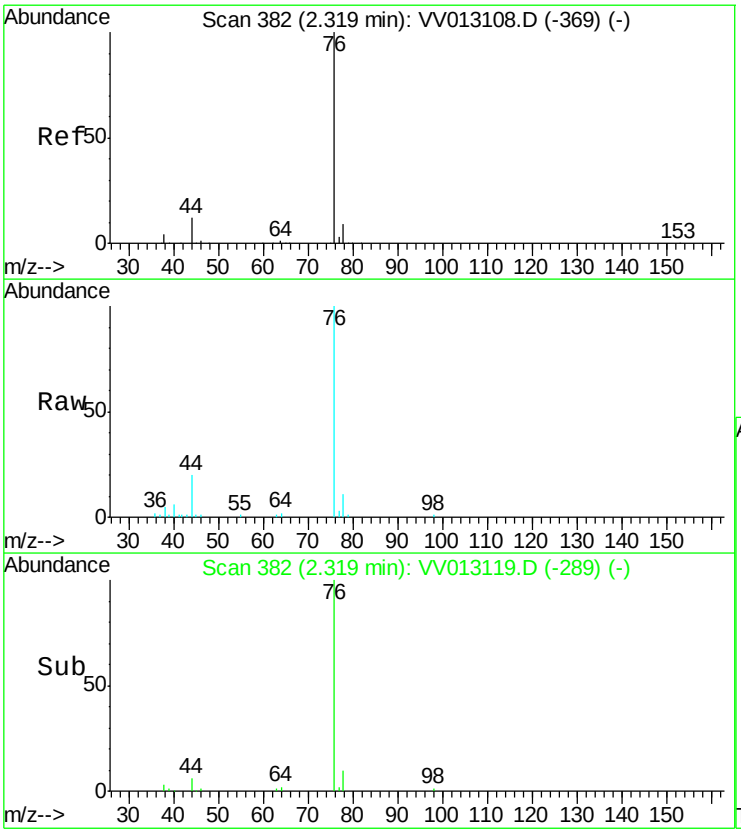
Tgt Ion: 43 Resp: 11086

Ion	Ratio	Lower	Upper
43	100		
58	31.0	0.0	66.2



Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

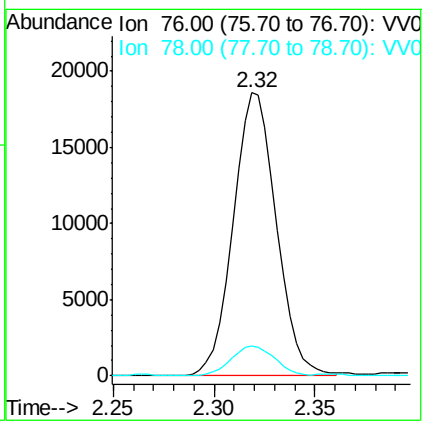
Manual Integrations APPROVED
MMDadoda
10/14/2019 4:13:39 PM

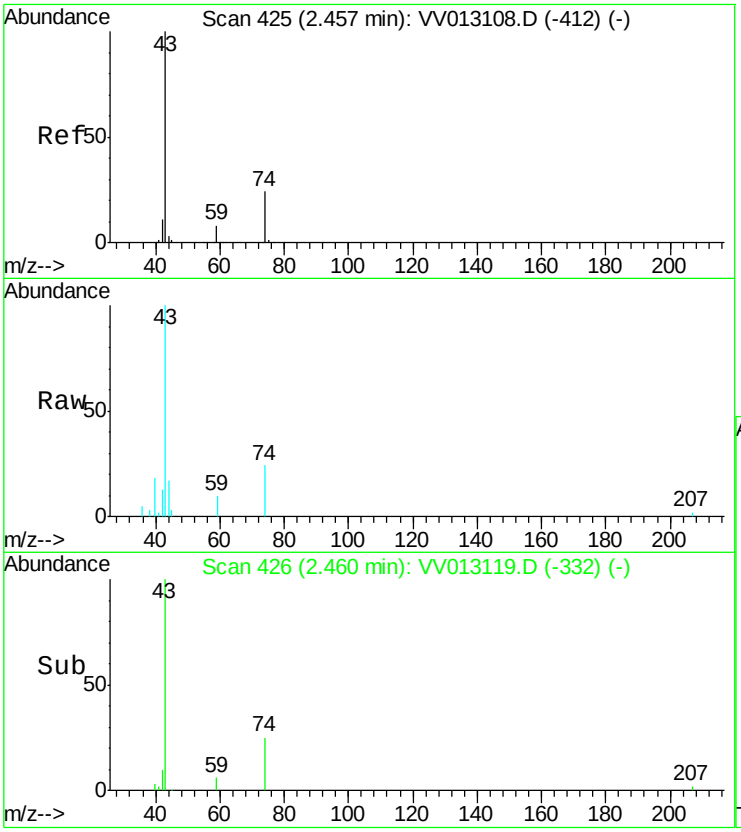


#14
Carbon disulfide
Concen: 2.262 ug/L
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 76 Resp: 27854

Ion	Ratio	Lower	Upper
76	100		
78	10.7	7.3	10.9





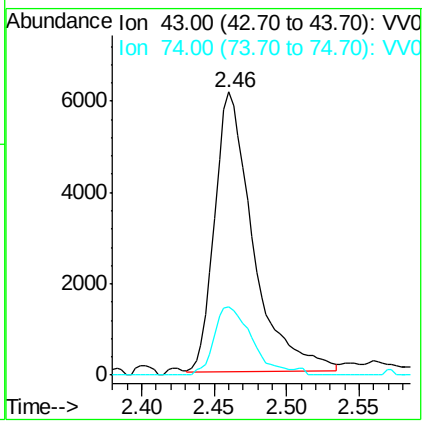
#15
Methyl Acetate
Concen: 2.125 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

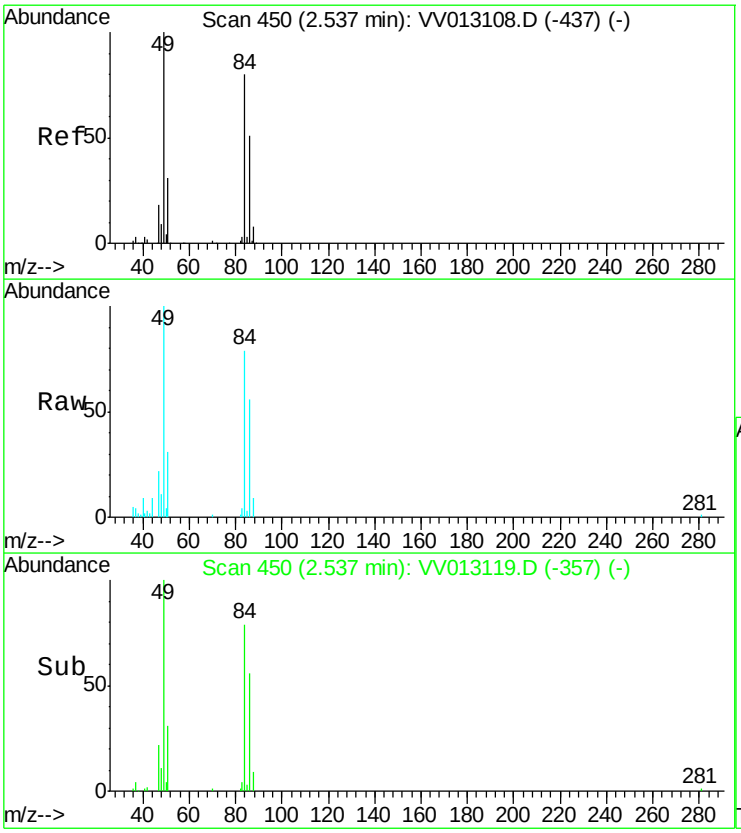
Tgt Ion: 43 Resp: 11251

Ion	Ratio	Lower	Upper
43	100		
74	23.9	18.4	27.6

Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

Manual Integrations APPROVED
MMDadoda
10/14/2019 4:13:39 PM

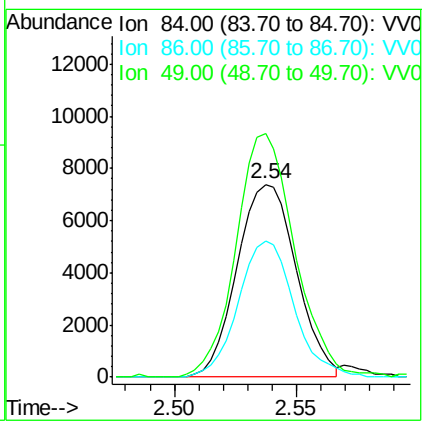


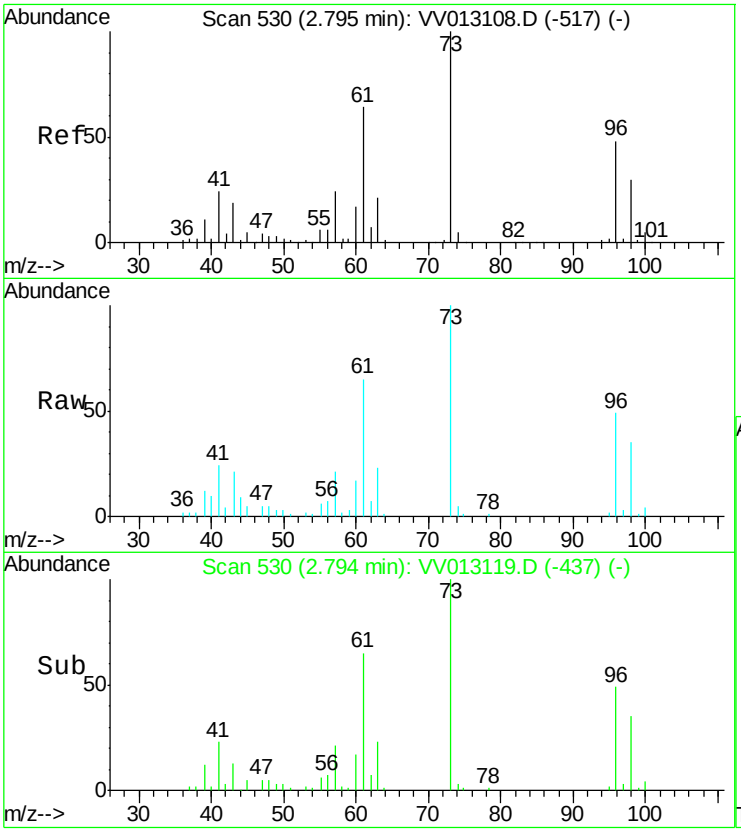


#16
Methylene chloride
Concen: 2.471 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 84 Resp: 12481

Ion	Ratio	Lower	Upper
84	100		
86	70.8	45.1	83.9
49	126.3	87.8	163.0

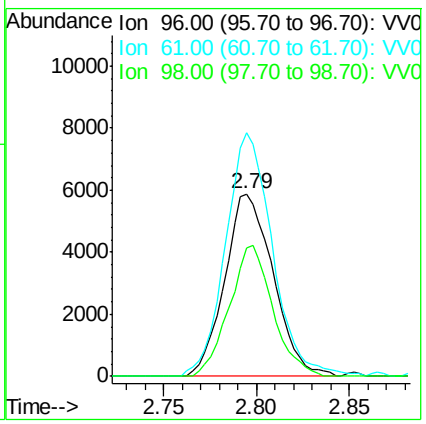




#17
trans-1,2-Dichloroethene
Concen: 2.316 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 96 Resp: 10670

Ion	Ratio	Lower	Upper
96	100		
61	133.2	93.9	174.5
98	70.3	43.9	81.5



Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

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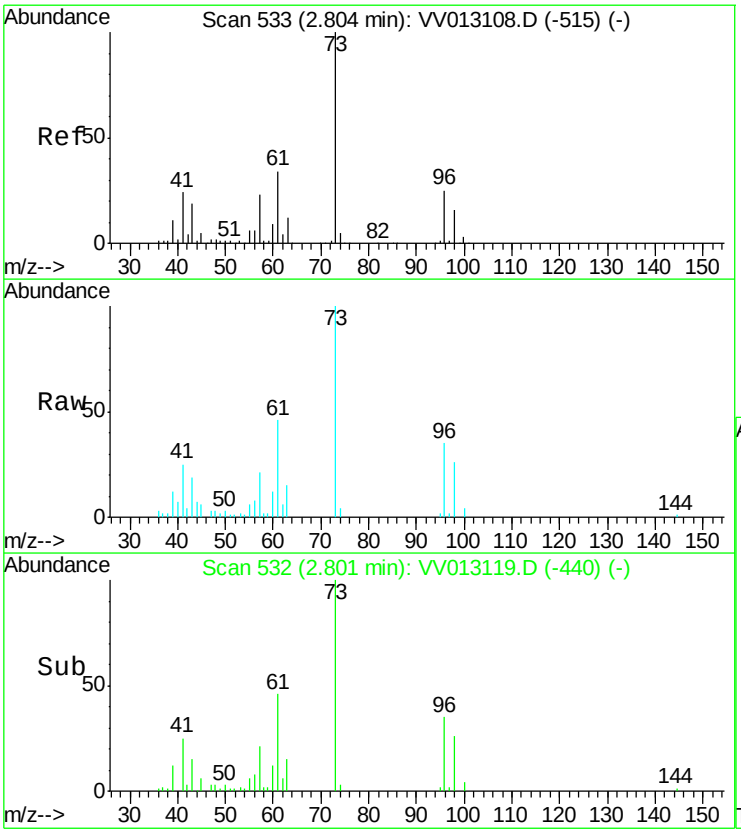
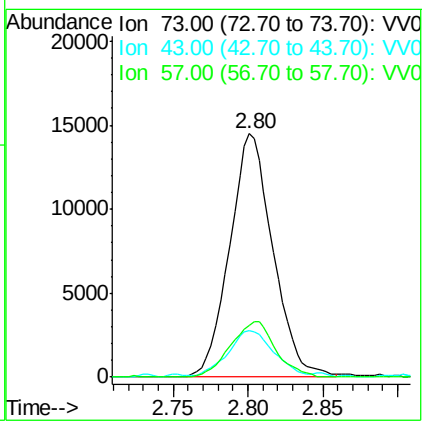
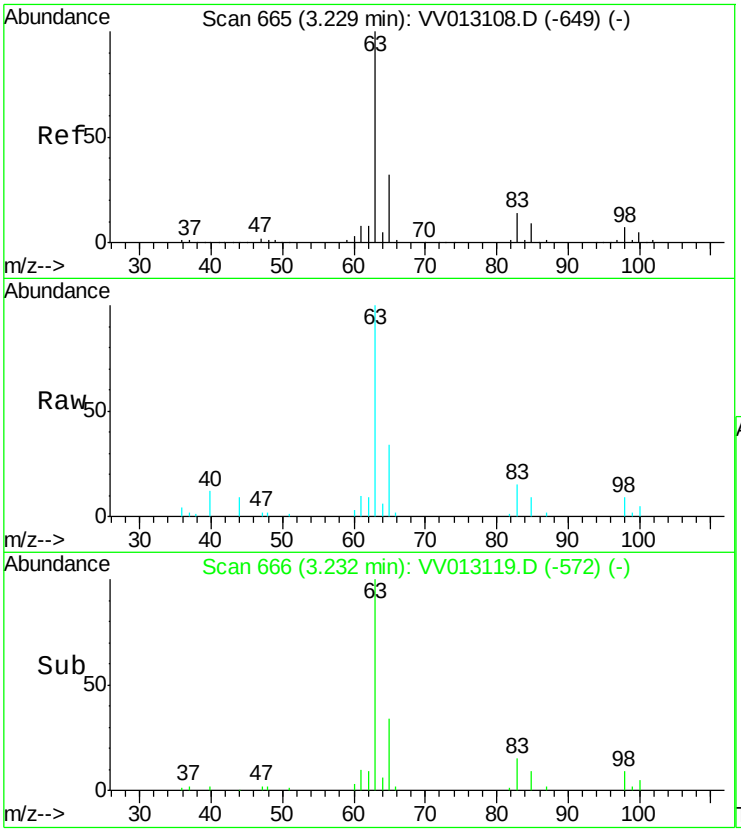


#18
Methyl tert-butyl Ether
Concen: 2.100 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 73 Resp: 29201

Ion	Ratio	Lower	Upper
73	100		
43	19.2	15.0	22.6
57	23.6	18.2	27.2

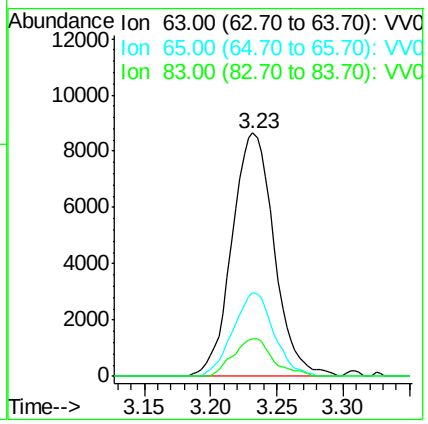




#19
1,1-Dichloroethane
Concen: 2.207 ug/L
RT: 3.23 min Scan# 666
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 63 Resp: 19176

Ion	Ratio	Lower	Upper
63	100		
65	34.1	22.1	41.1
83	15.5	9.5	17.7



Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

Manual Integrations APPROVED
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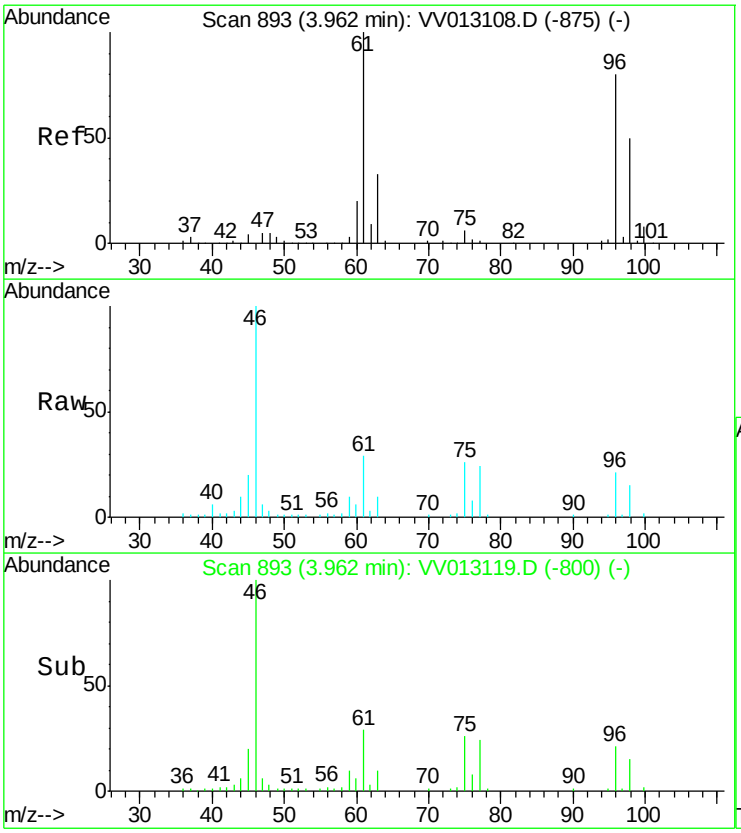
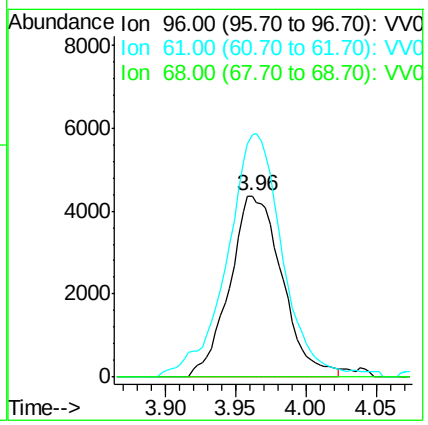
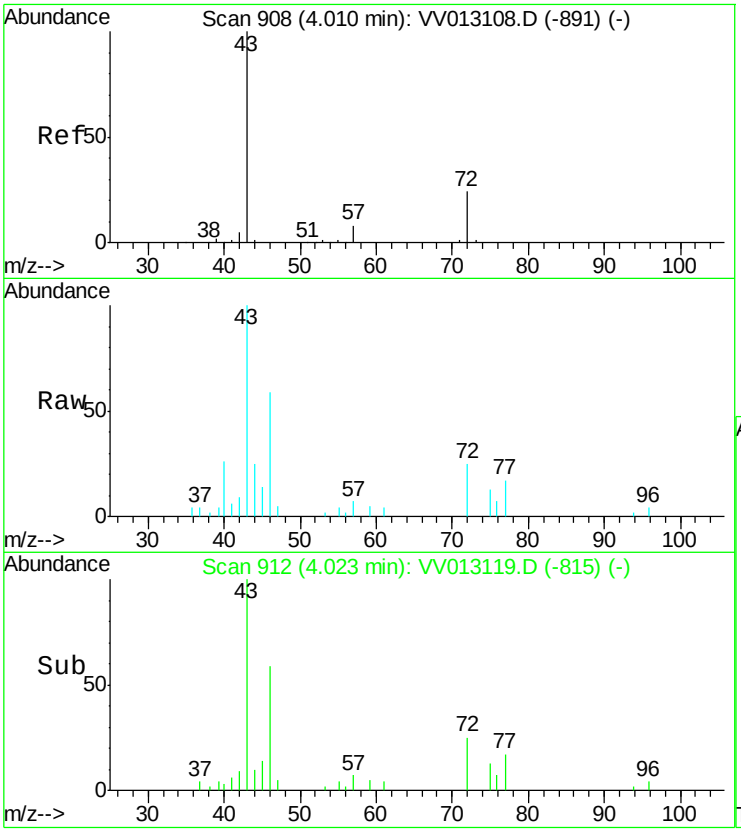


#20
cis-1,2-Dichloroethene
Concen: 2.171 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 96 Resp: 11316

Ion	Ratio	Lower	Upper
96	100		
61	133.9	87.5	162.5
68	0.0	0.0	0.0

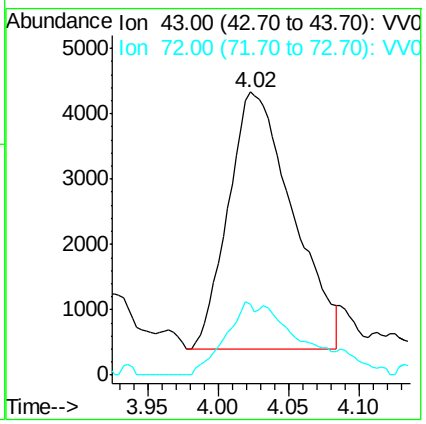




#22
2-Butanone
Concen: 3.307 ug/L
RT: 4.02 min Scan# 912
Delta R.T. 0.01 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 43 Resp: 12577

Ion	Ratio	Lower	Upper
43	100		
72	12.9	12.8	38.4



Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

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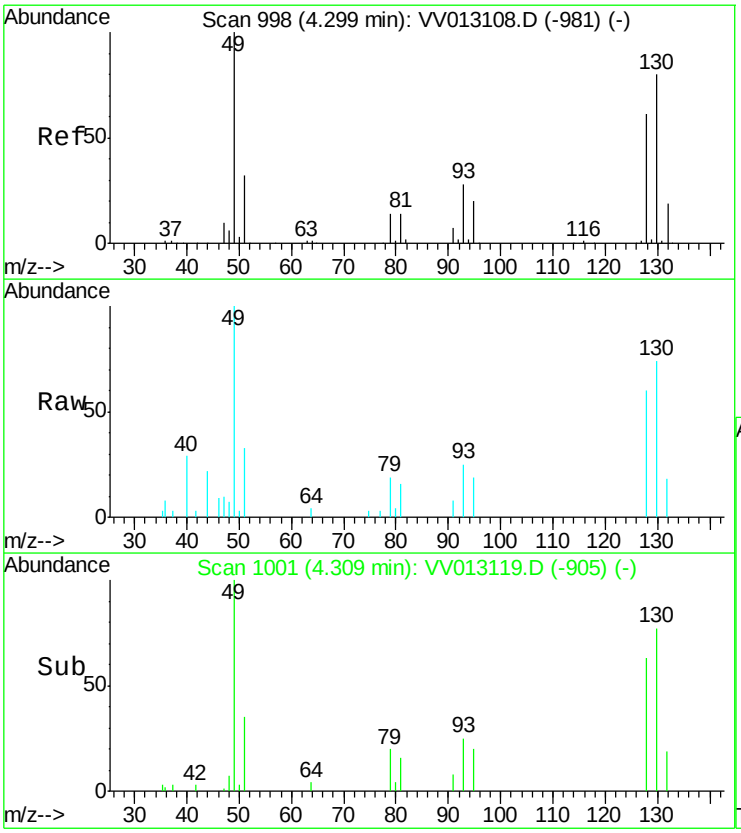
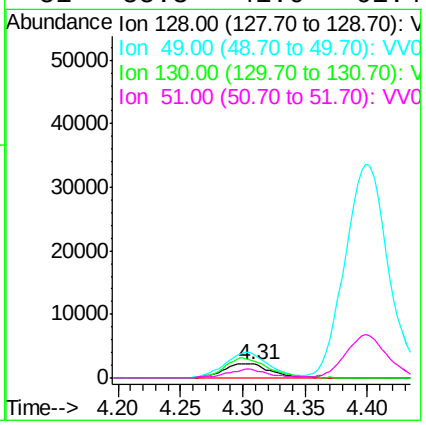
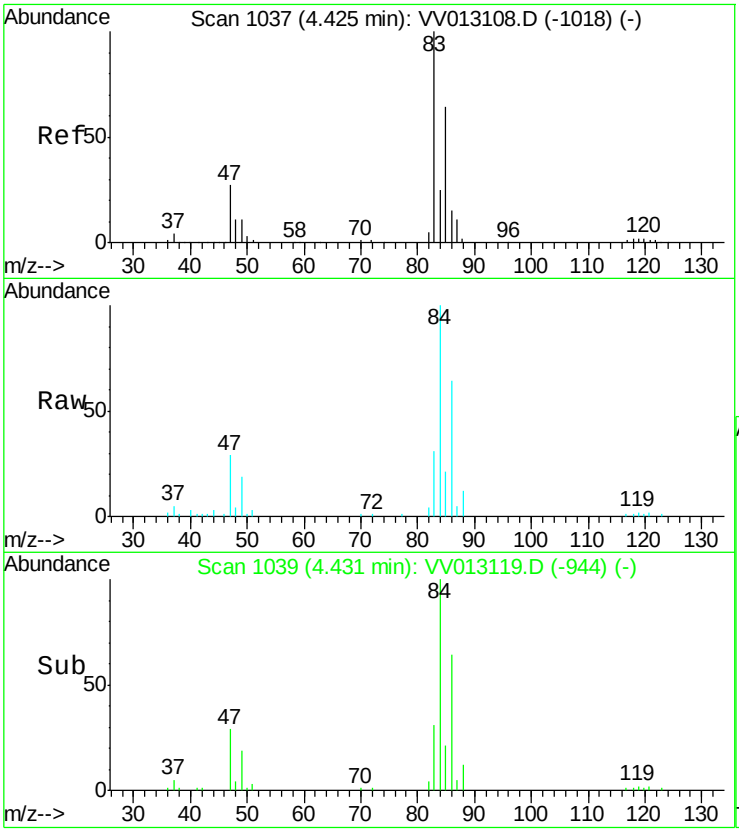


#23
Bromochloromethane
Concen: 2.209 ug/L m
RT: 4.31 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion:128 Resp: 5849

Ion	Ratio	Lower	Upper
128	100		
49	165.6	114.0	211.6
130	122.6	90.8	168.6
51	55.3	41.0	61.4

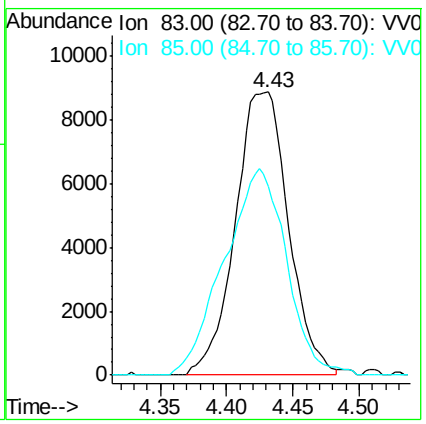




#25
Chloroform
Concen: 2.834 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 83 Resp: 24814

Ion	Ratio	Lower	Upper
83	100		
85	66.7	44.7	82.9



Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

Manual Integrations APPROVED
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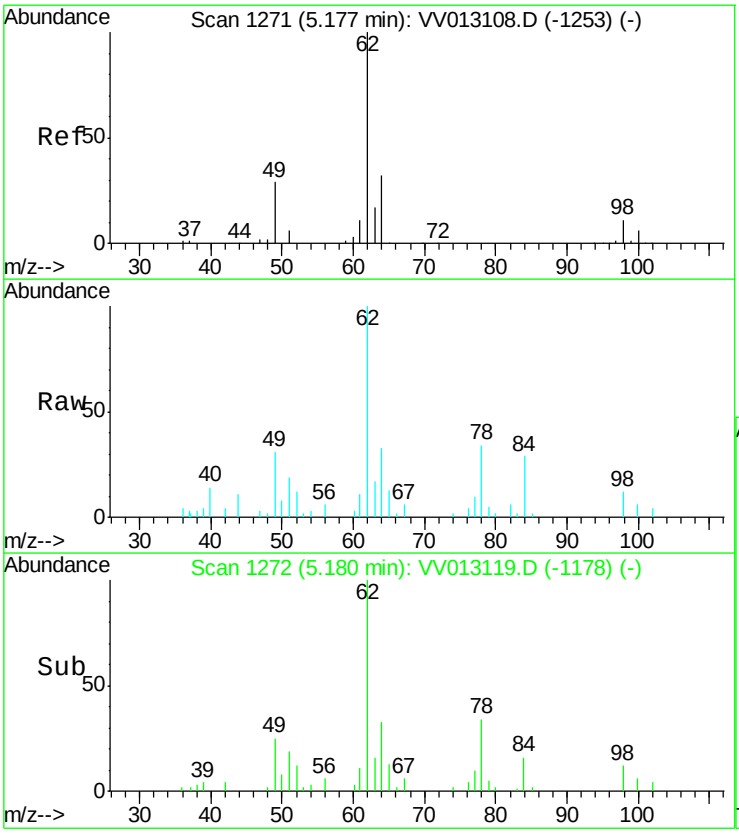
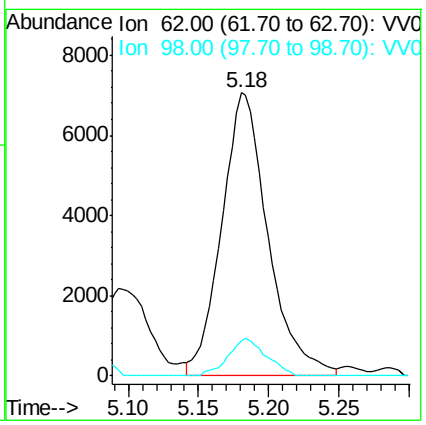
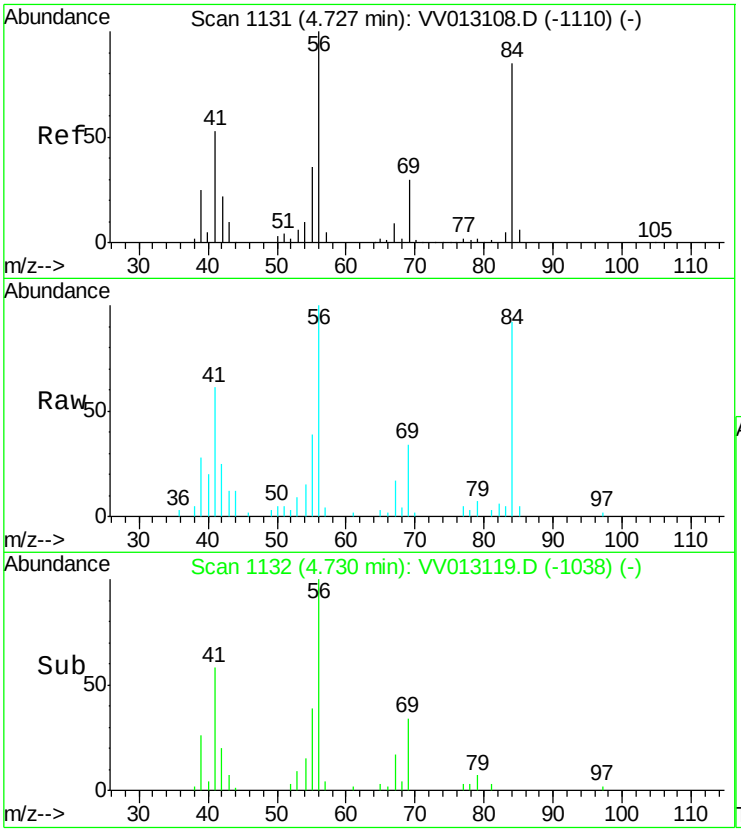


#27
1,2-Dichloroethane
Concen: 2.416 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 62 Resp: 16213

Ion	Ratio	Lower	Upper
62	100		
98	12.2	8.3	12.5

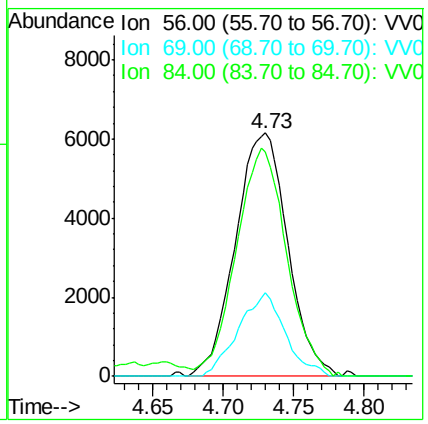




#29
Cyclohexane
Concen: 2.069 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 56 Resp: 15956

Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.2	36.4
84	90.2	69.9	104.9



Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

Manual Integrations APPROVED
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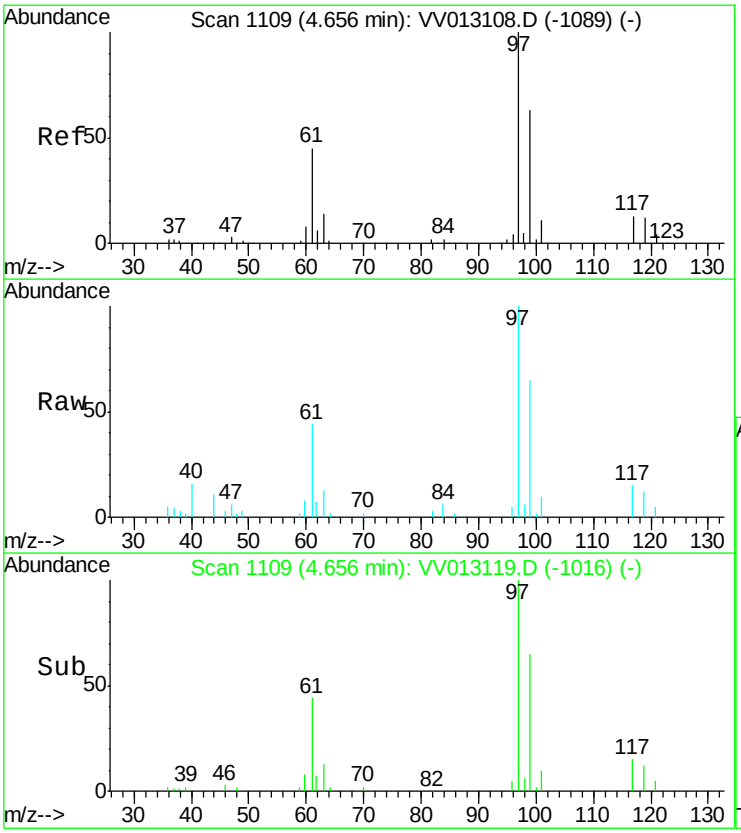
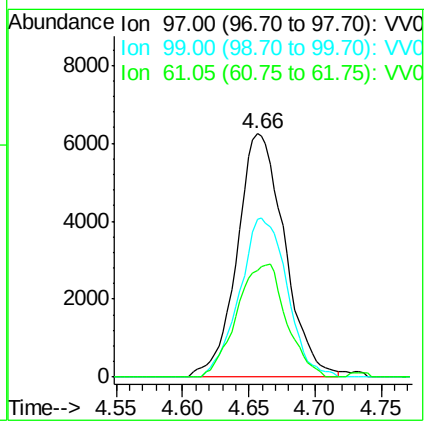
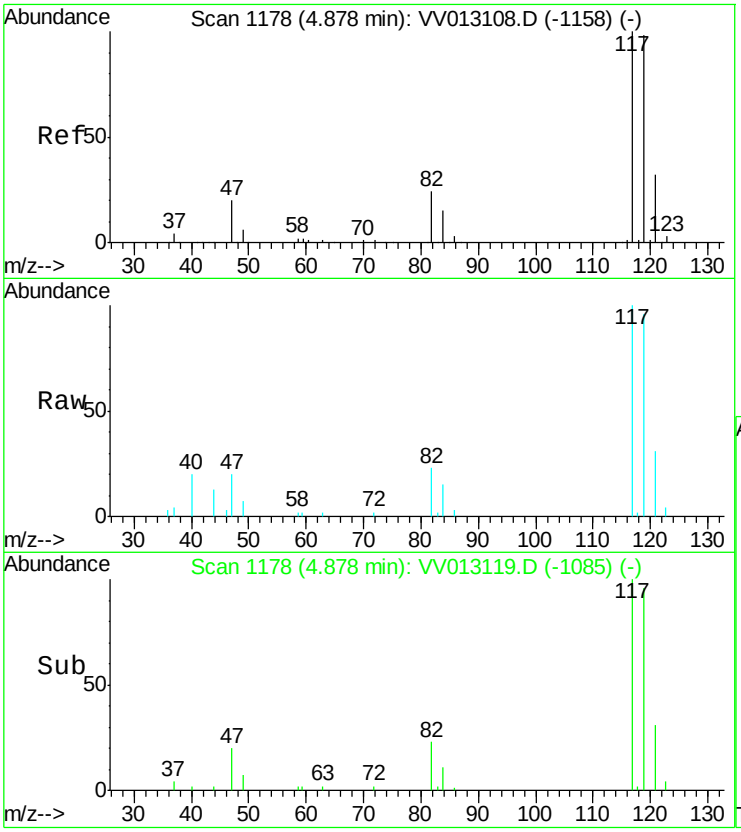


#30
1,1,1-Trichloroethane
Concen: 2.178 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 97 Resp: 15566

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.9	77.9
61	48.0	36.8	55.2

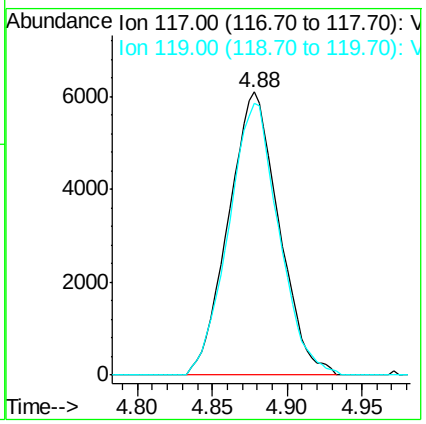




#31
Carbon tetrachloride
Concen: 2.253 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion:117 Resp: 14306

Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.4	116.0



Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

Manual Integrations APPROVED
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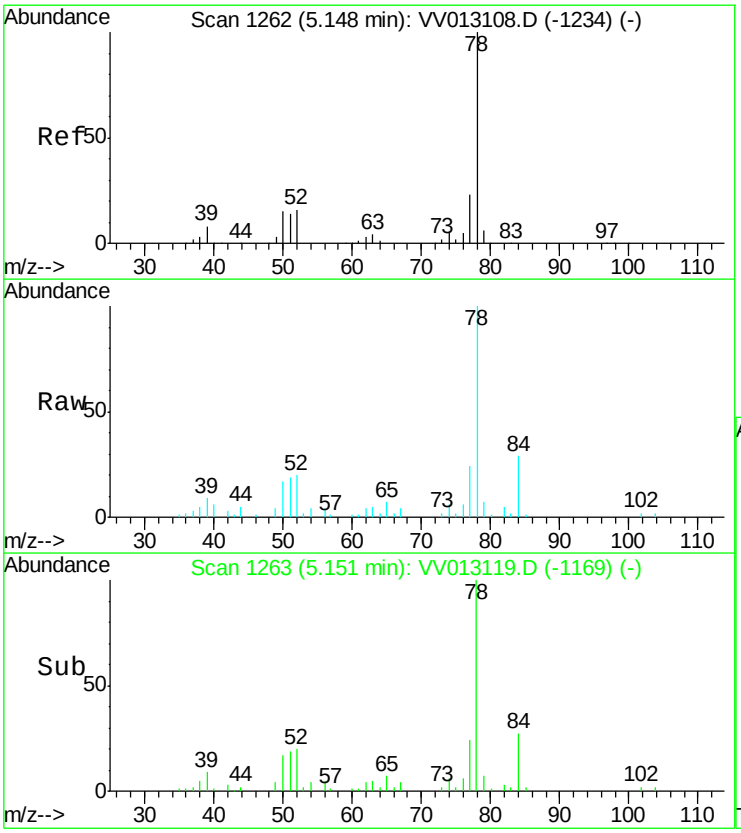
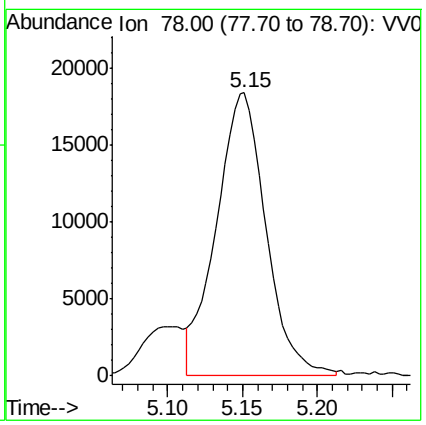
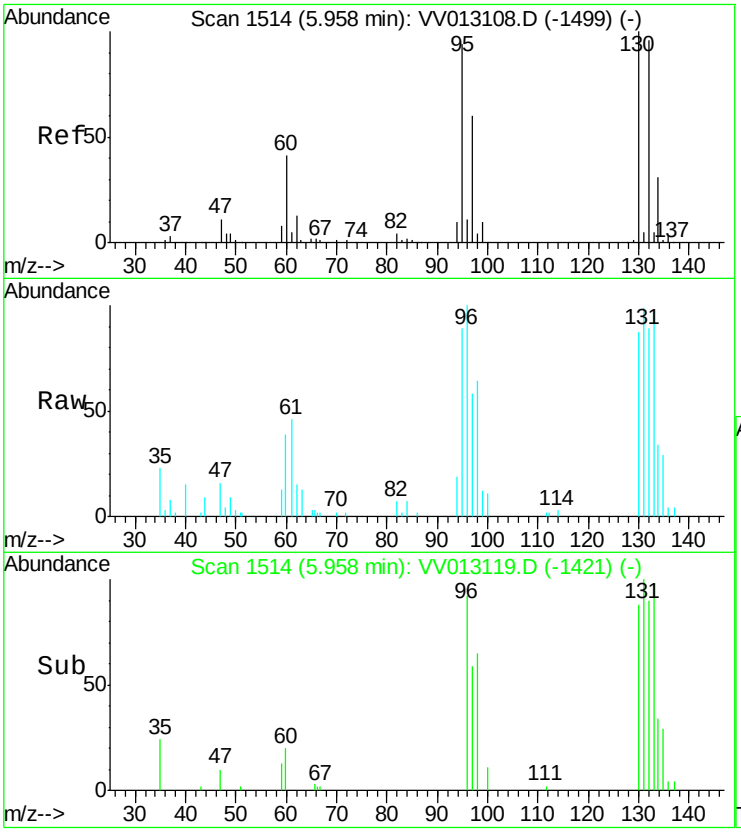


#33
Benzene
Concen: 2.157 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 78 Resp: 42315

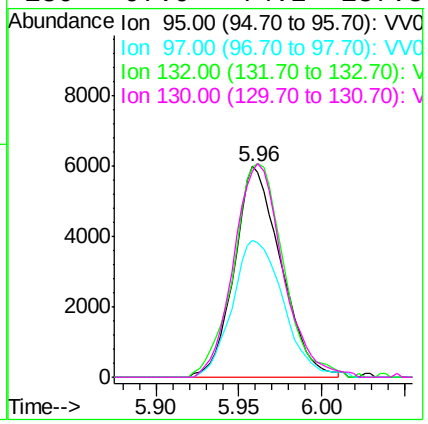




#34
Trichloroethene
Concen: 2.235 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 95 Resp: 11676

Ion	Ratio	Lower	Upper
95	100		
97	65.1	44.7	82.9
132	99.7	71.4	132.6
130	97.9	74.2	137.8



Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

Manual Integrations APPROVED
MMDadoda
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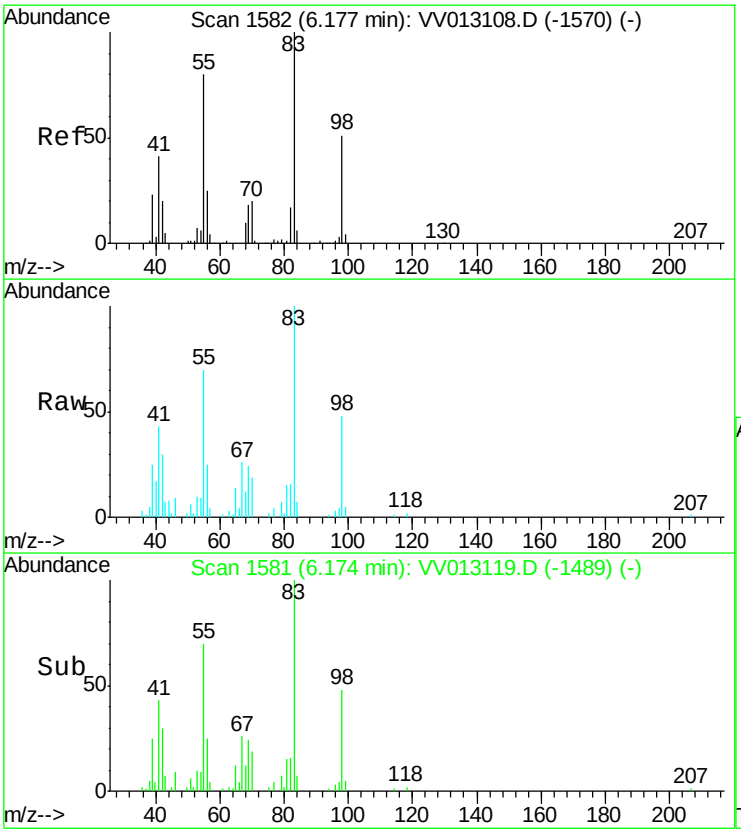
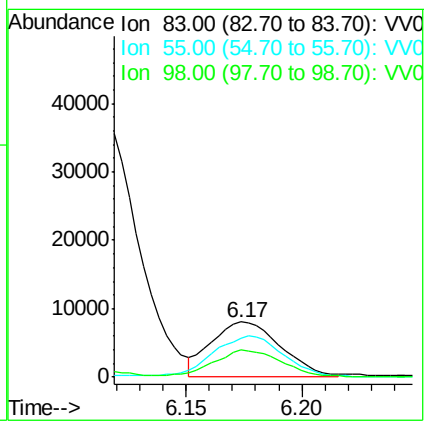
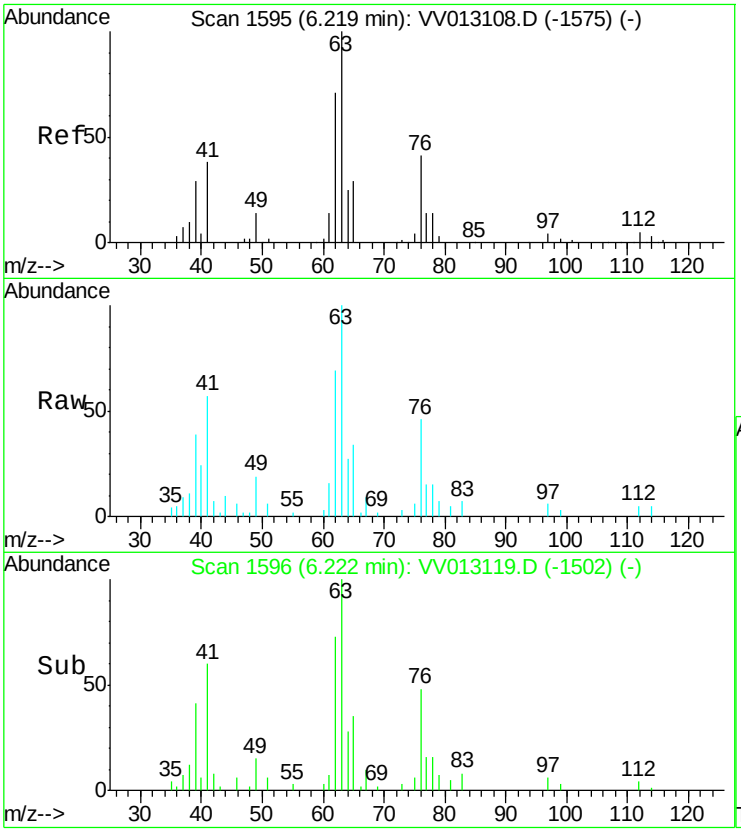


#35
Methylcyclohexane
Concen: 2.083 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 83 Resp: 16458

Ion	Ratio	Lower	Upper
83	100		
55	75.5	61.2	91.8
98	49.7	40.1	60.1

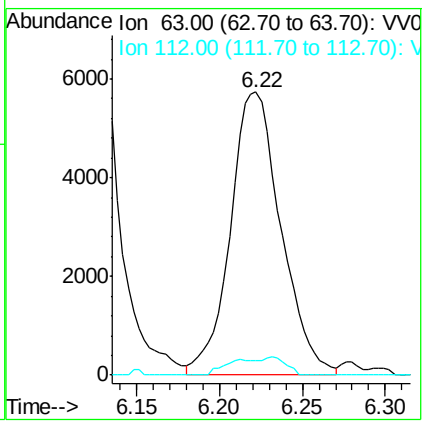




#37
1,2-Dichloropropane
Concen: 2.400 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 63 Resp: 12192

Ion	Ratio	Lower	Upper
63	100		
112	2.6	3.8	5.8#



Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

Manual Integrations APPROVED
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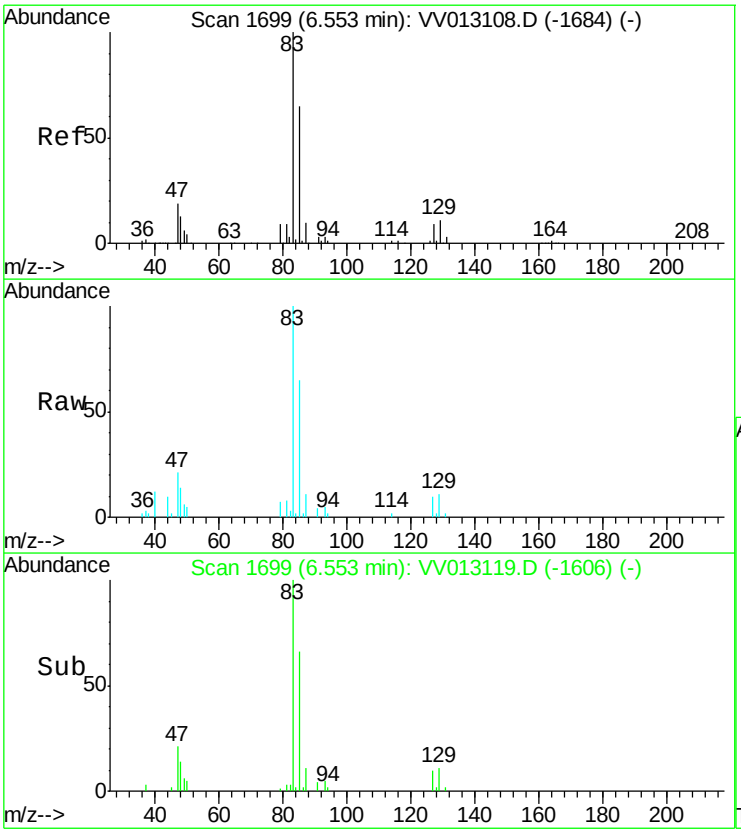
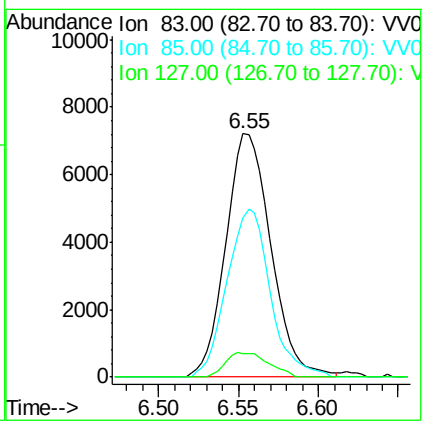
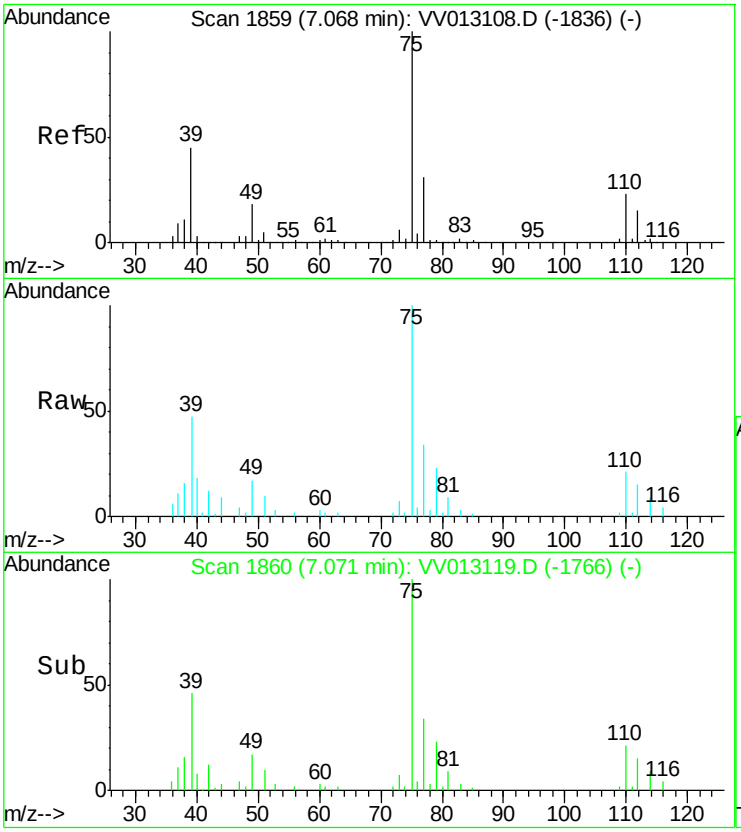


#38
Bromodichloromethane
Concen: 2.149 ug/L
RT: 6.55 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 83 Resp: 13891

Ion	Ratio	Lower	Upper
83	100		
85	65.3	45.8	85.0
127	9.7	7.4	11.0

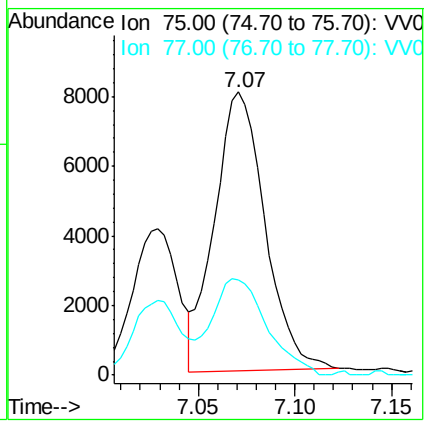




#39
cis-1,3-Dichloropropene
Concen: 1.945 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 75 Resp: 14609

Ion	Ratio	Lower	Upper
75	100		
77	33.6	21.7	40.3



Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

Manual Integrations APPROVED
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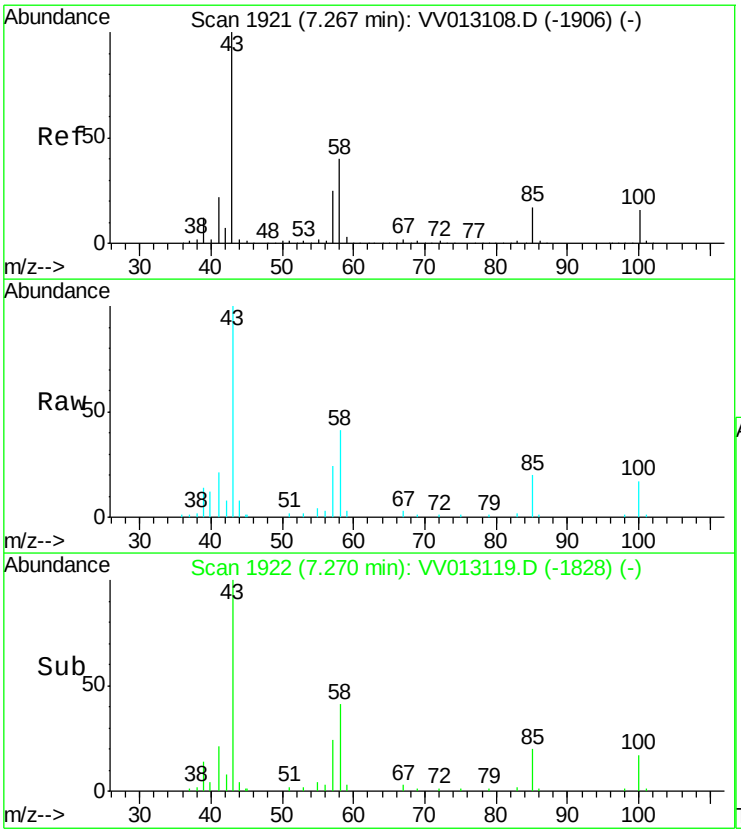
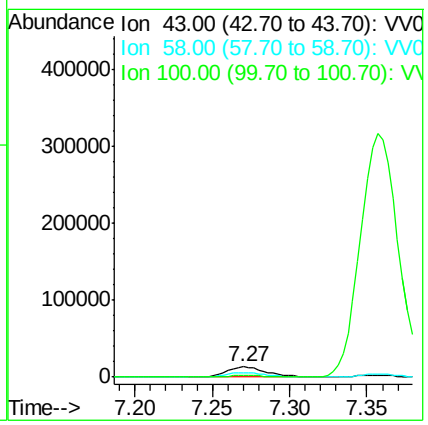
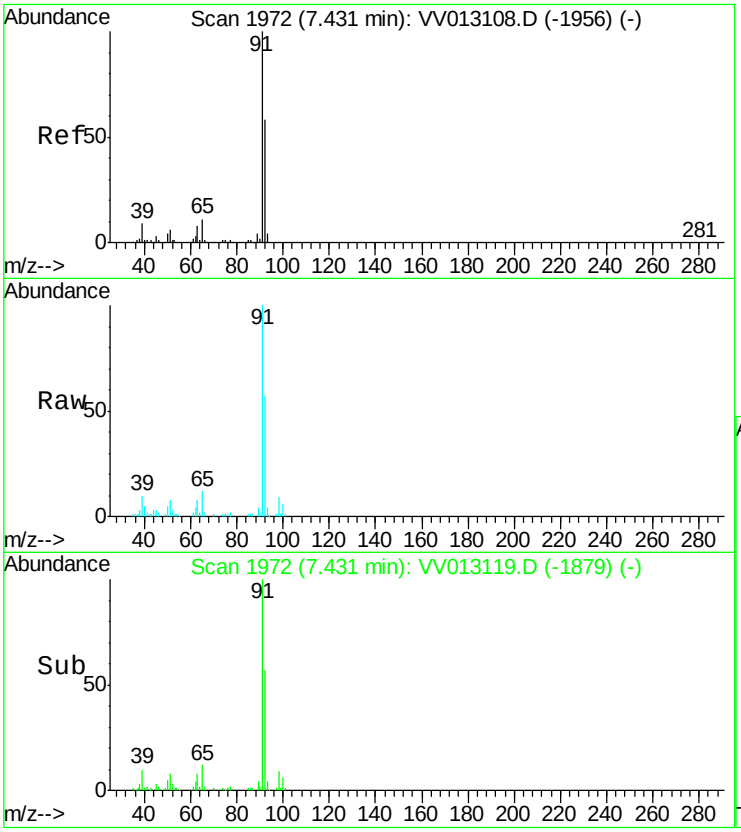


#40
4-Methyl-2-pentanone
Concen: 3.706 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 43 Resp: 24644

Ion	Ratio	Lower	Upper
43	100		
58	42.1	32.0	48.0
100	15.7	12.7	19.1





#42
Toluene
Concen: 2.270 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 91 Resp: 45850

Ion	Ratio	Lower	Upper
91	100		
92	57.4	40.8	75.8

Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

Manual Integrations APPROVED
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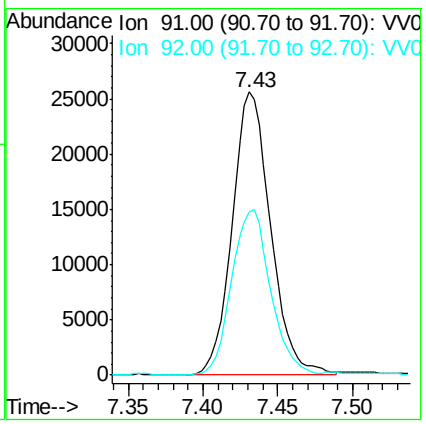
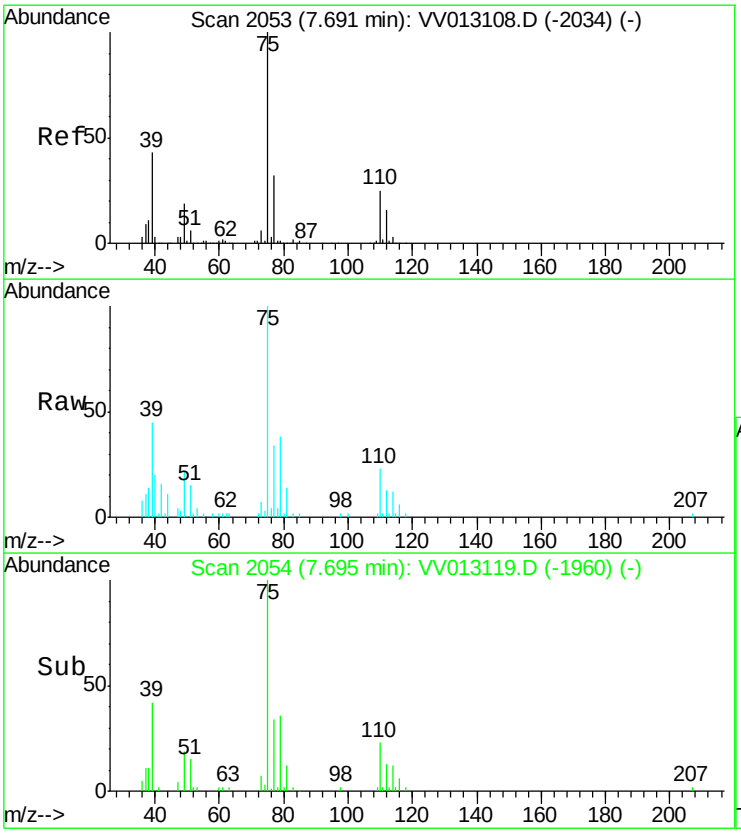
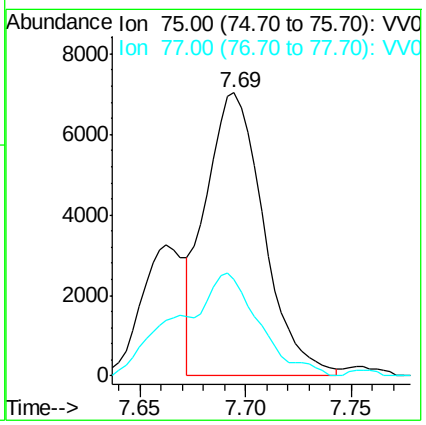


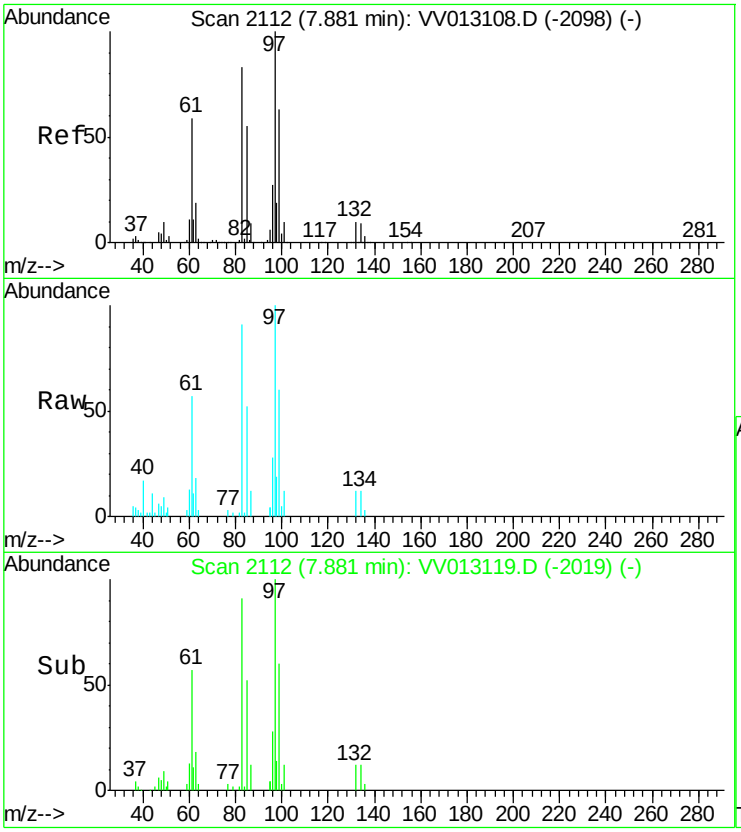


#44
trans-1,3-Dichloropropene
Concen: 2.071 ug/L
RT: 7.69 min Scan# 2054
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 75 Resp: 13487

Ion	Ratio	Lower	Upper
75	100		
77	34.2	22.0	41.0

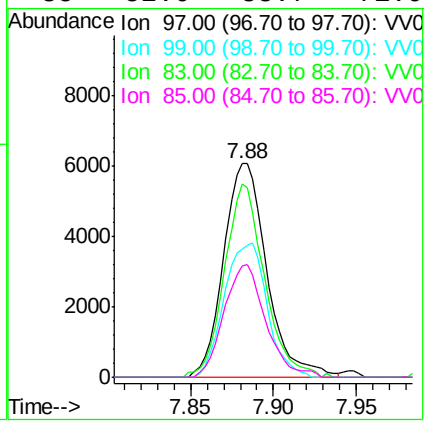




#45
1,1,2-Trichloroethane
Concen: 2.284 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 97 Resp: 11017

Ion	Ratio	Lower	Upper
97	100		
99	59.9	44.4	82.5
83	90.7	58.2	108.0
85	52.0	38.7	71.9



Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

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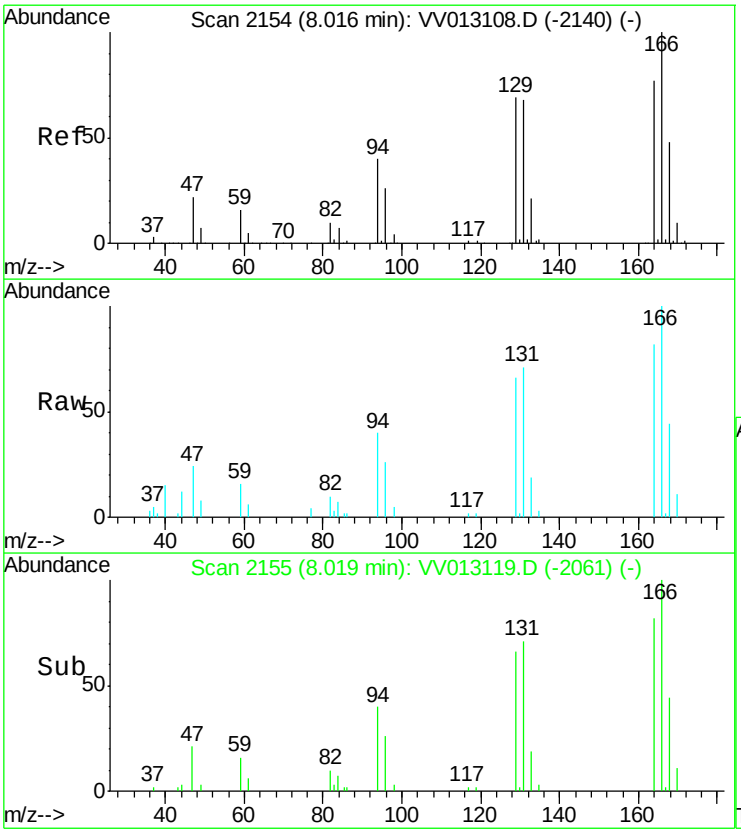
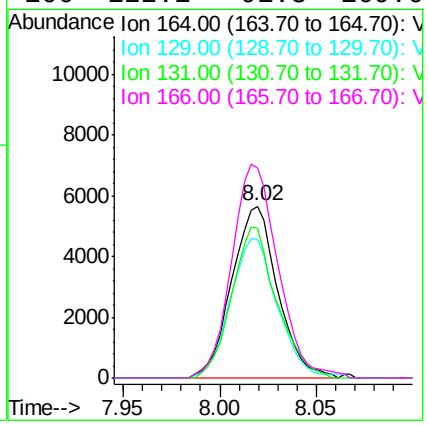
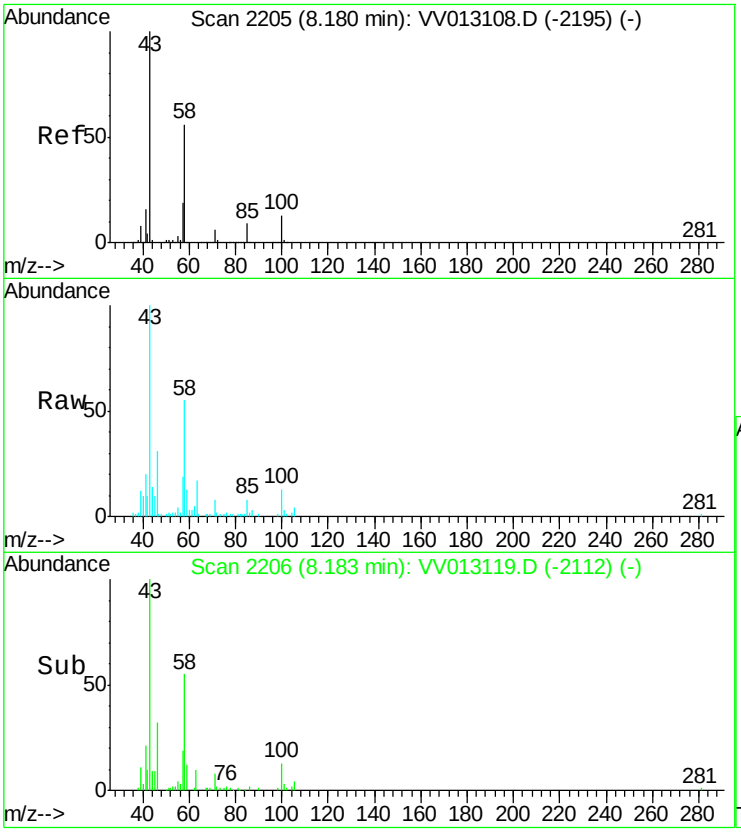


#46
Tetrachloroethene
Concen: 2.260 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion:164 Resp: 9344

Ion	Ratio	Lower	Upper
164	100		
129	80.7	63.1	117.1
131	86.8	62.4	116.0
166	122.1	91.3	169.6

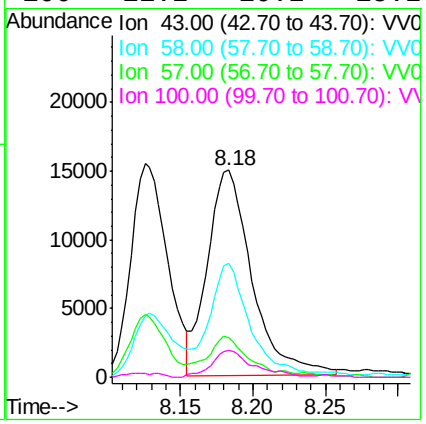




#48
2-Hexanone
Concen: 6.274 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 43 Resp: 32262

Ion	Ratio	Lower	Upper
43	100		
58	45.6	44.9	67.3
57	14.4	15.0	22.6#
100	11.2	10.2	15.2



Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

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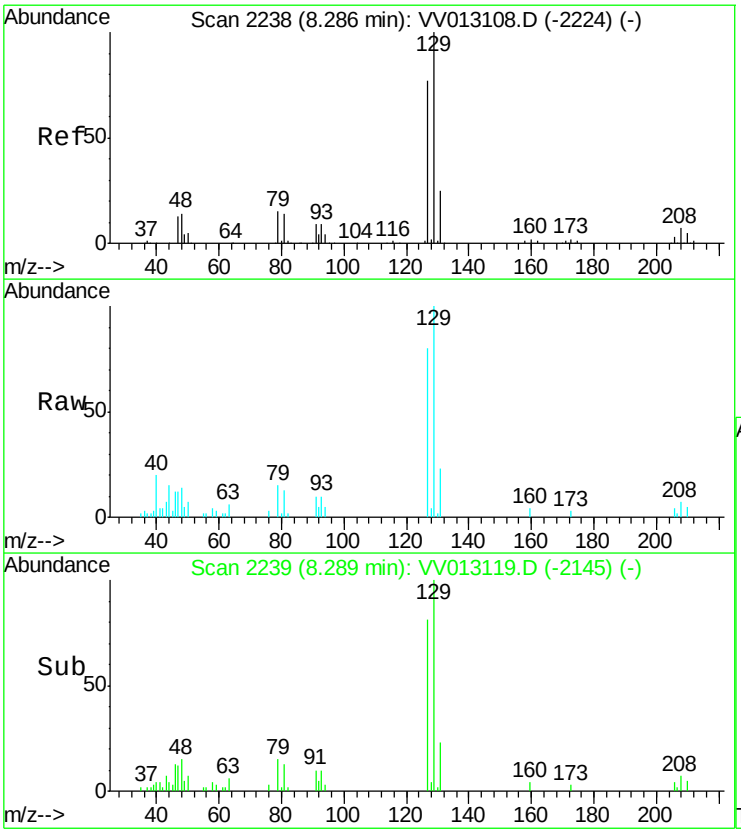
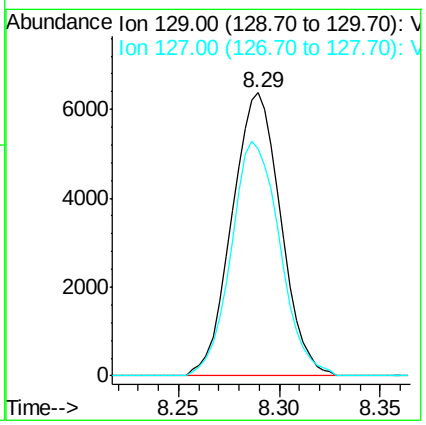
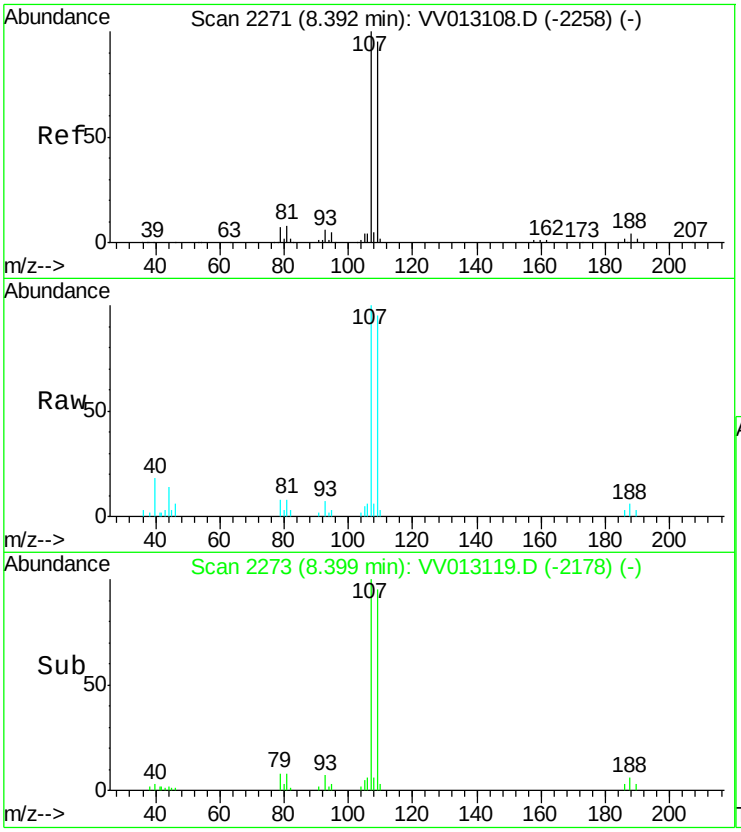


#49
Dibromochloromethane
Concen: 2.055 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion:129 Resp: 10803

Ion	Ratio	Lower	Upper
129	100		
127	80.1	54.0	100.4

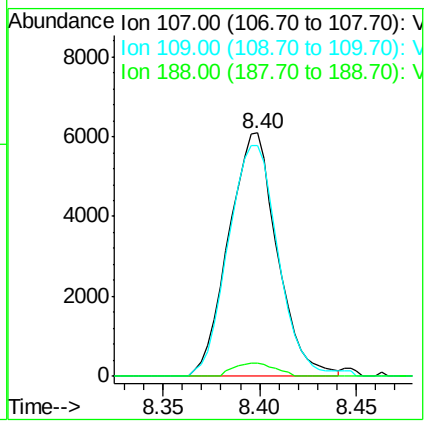




#50
1,2-Dibromoethane
Concen: 2.113 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.01 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion:107 Resp: 10650

Ion	Ratio	Lower	Upper
107	100		
109	94.7	66.6	123.6
188	5.7	3.4	5.2#



Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

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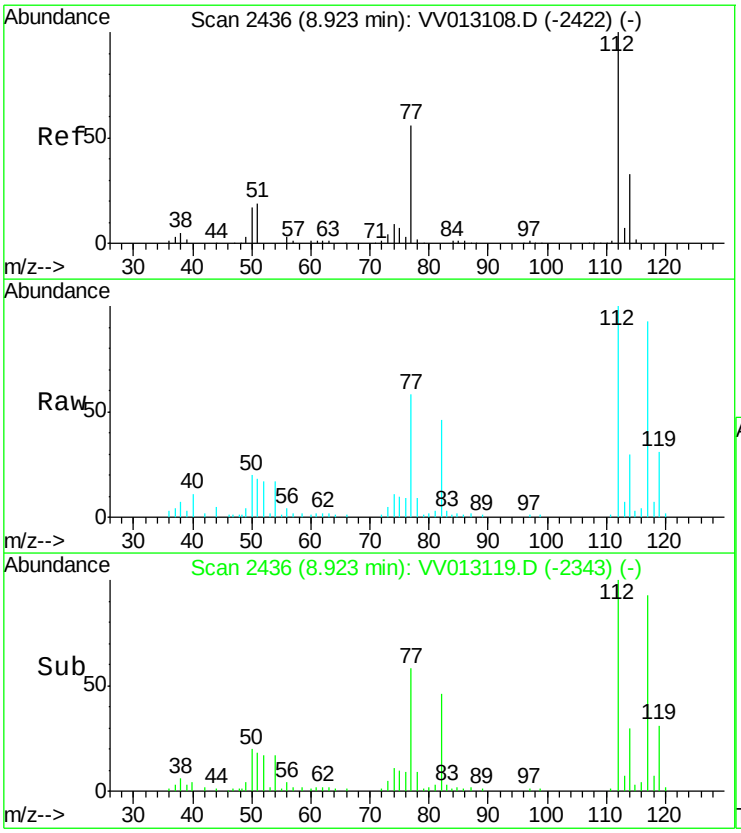
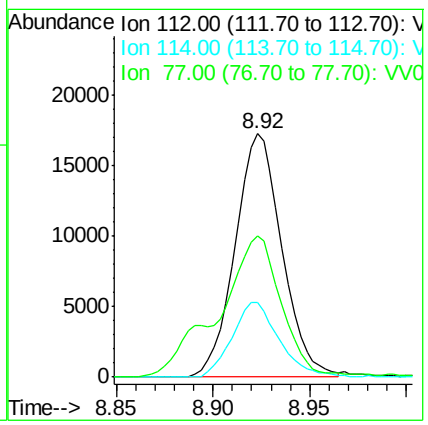
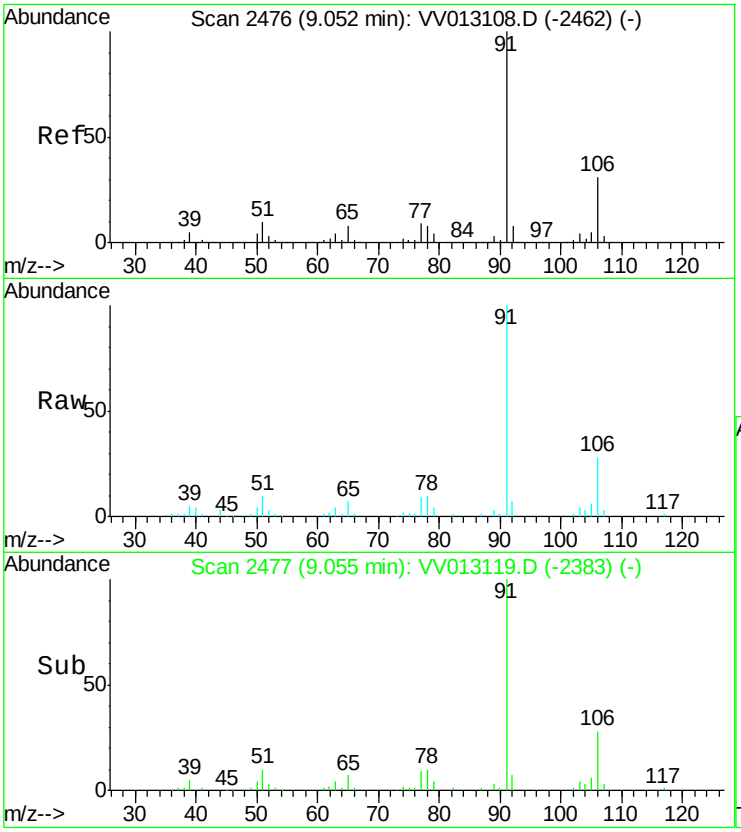


#51
Chlorobenzene
Concen: 2.196 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion:112 Resp: 29090

Ion	Ratio	Lower	Upper
112	100		
114	30.4	22.8	42.4
77	58.2	45.1	67.7

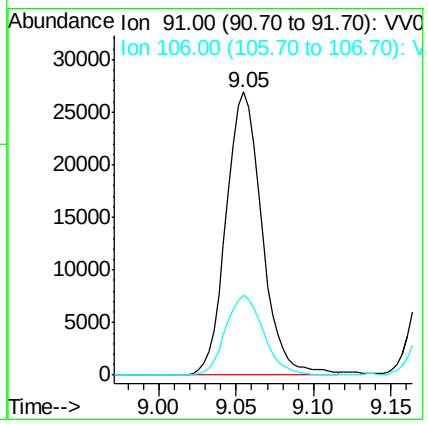




#52
Ethylbenzene
Concen: 2.007 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 91 Resp: 43286

Ion	Ratio	Lower	Upper
91	100		
106	28.0	21.8	40.4



Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

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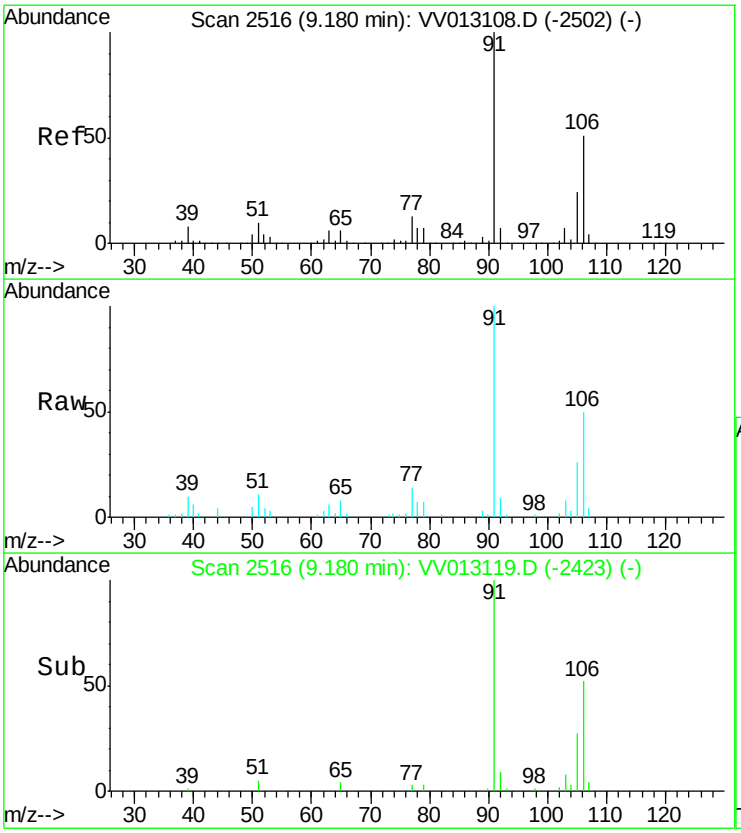
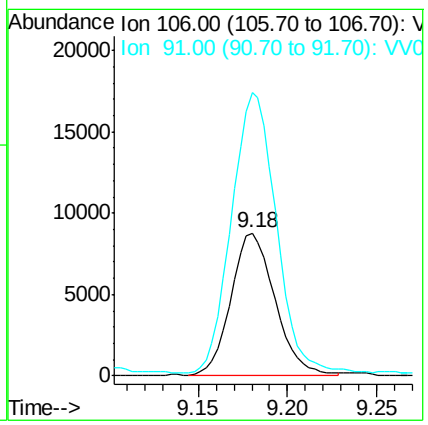
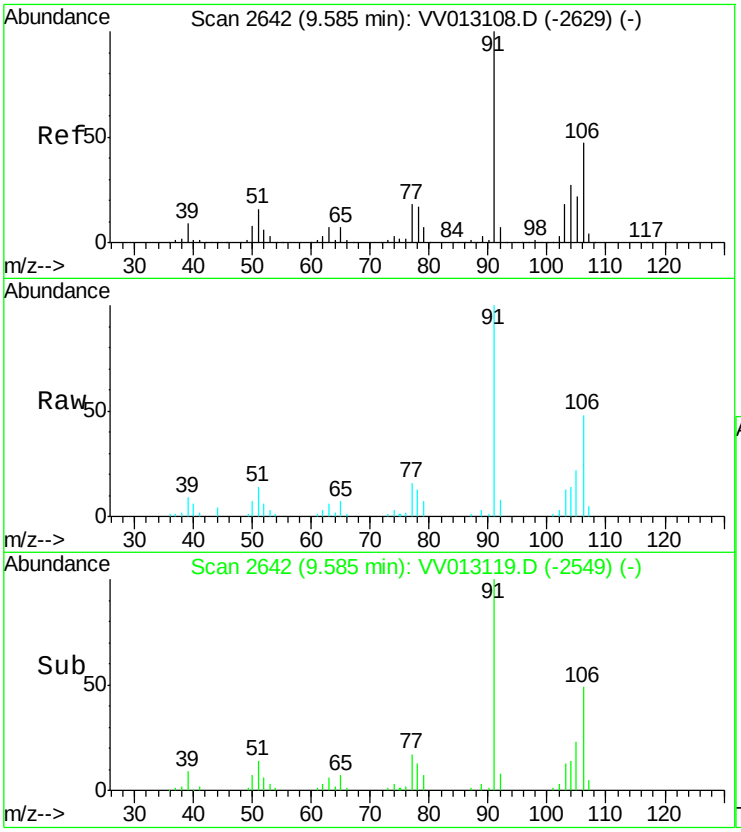


#53
m,p-Xylene
Concen: 1.864 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion:106 Resp: 15131

Ion	Ratio	Lower	Upper
106	100		
91	198.5	137.8	255.8

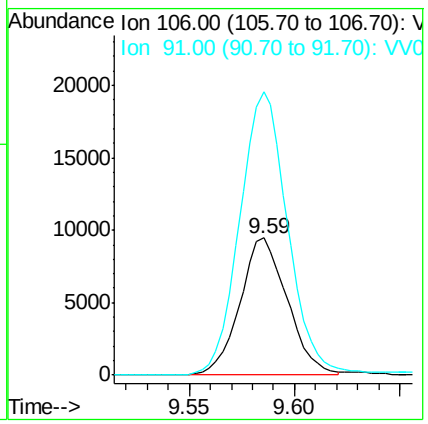




#54
o-xylene
Concen: 1.820 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion:106 Resp: 14795

Ion	Ratio	Lower	Upper
106	100		
91	206.3	147.6	274.2



Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

Manual Integrations APPROVED
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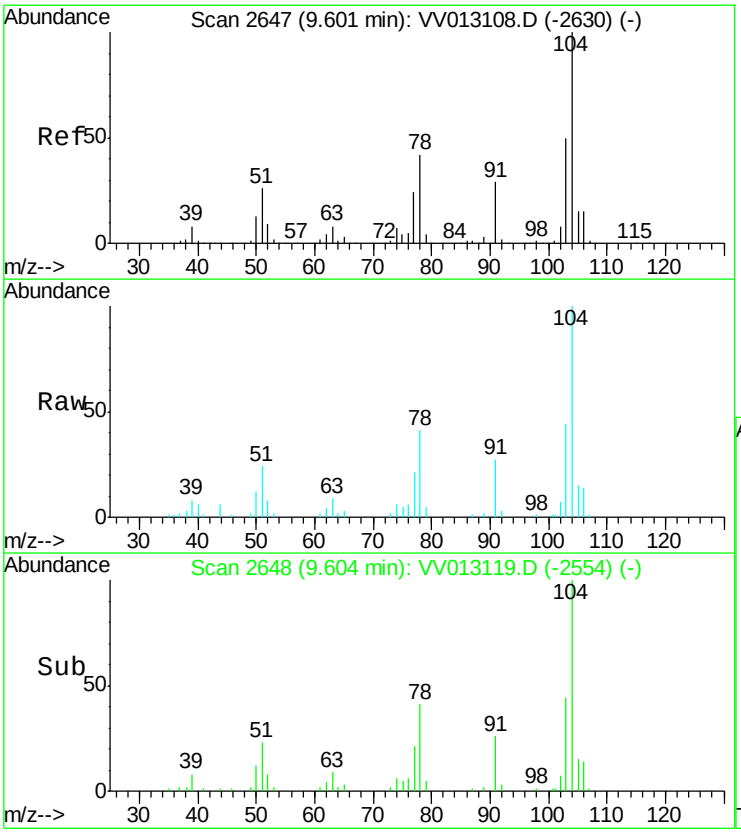
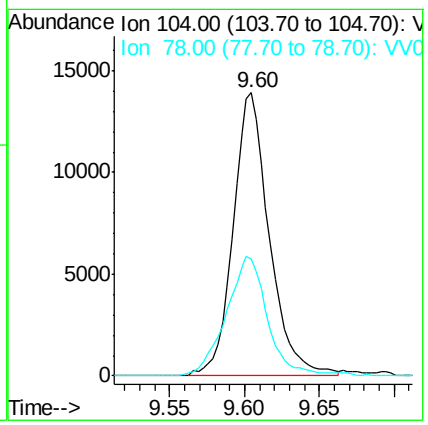
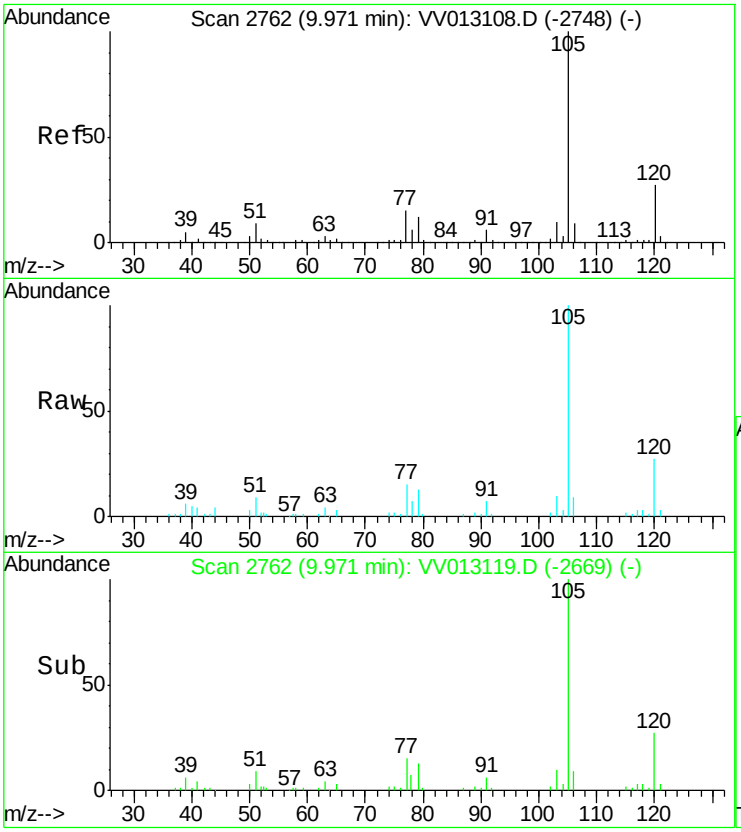


#55
Styrene
Concen: 1.753 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion:104 Resp: 23410

Ion	Ratio	Lower	Upper
104	100		
78	41.5	29.1	54.1

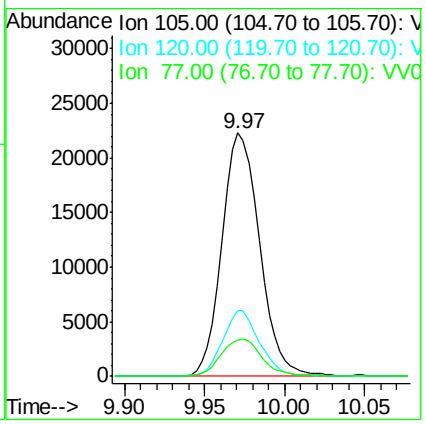




#56
Isopropylbenzene
Concen: 1.717 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion:105 Resp: 35839

Ion	Ratio	Lower	Upper
105	100		
120	26.2	21.4	32.2
77	16.6	12.1	18.1



Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

Manual Integrations APPROVED
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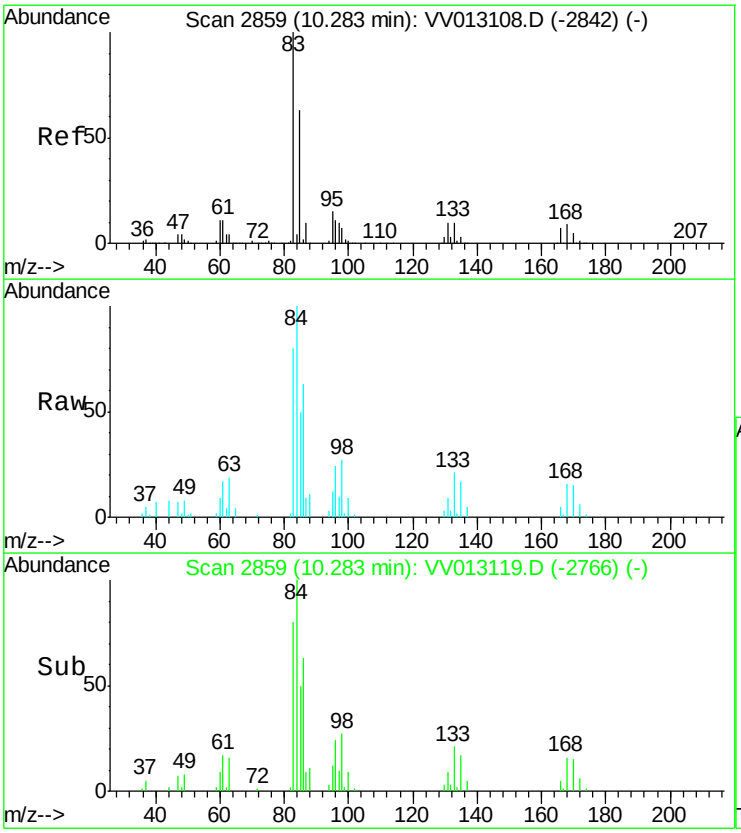
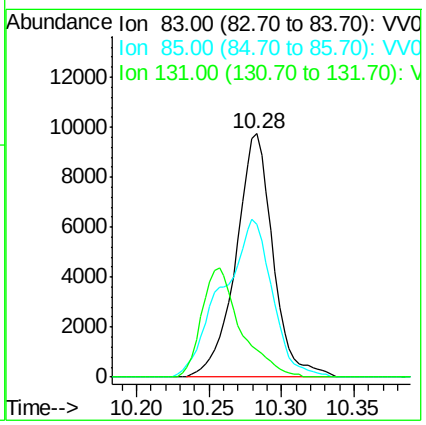
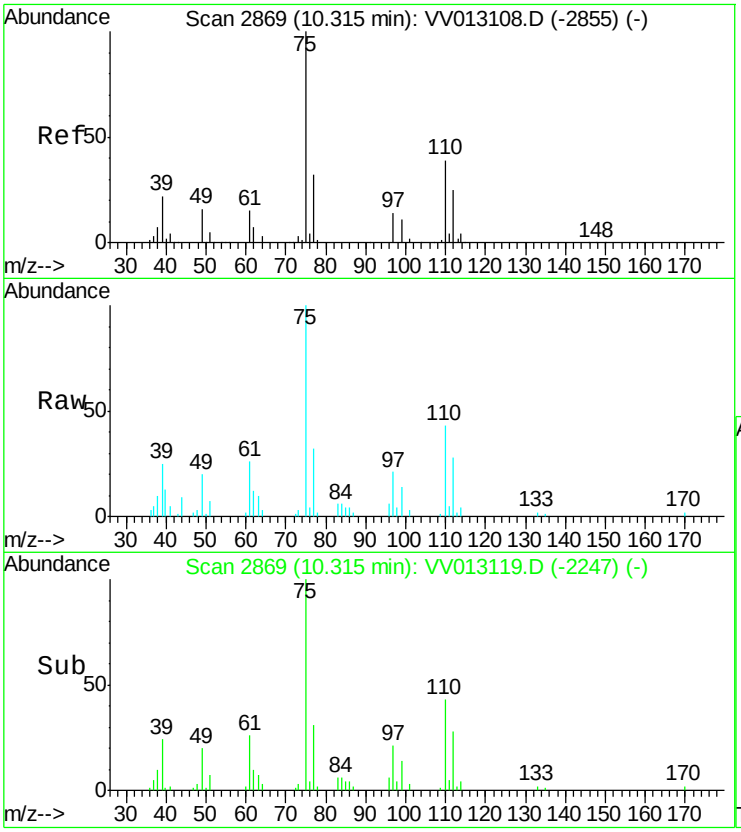


#58
1,1,2,2-Tetrachloroethane
Concen: 2.471 ug/L
RT: 10.28 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 83 Resp: 17325

Ion	Ratio	Lower	Upper
83	100		
85	62.9	44.3	82.3
131	11.1	8.1	12.1





#59
1,2,3-Trichloropropane
Concen: 2.186 ug/L
RT: 10.32 min Scan# 2869
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 75 Resp: 13520

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.7	38.5

Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

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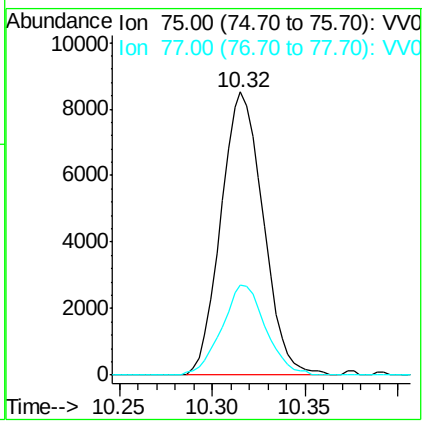
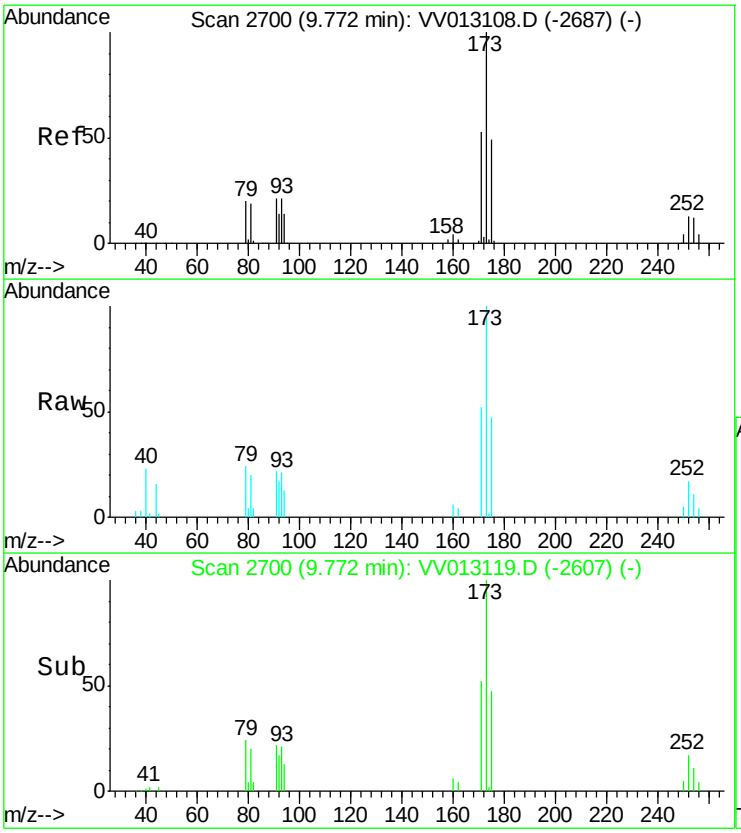
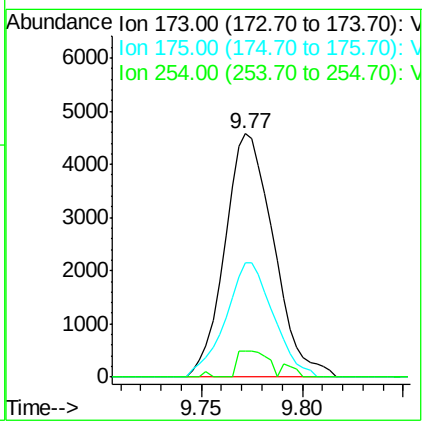


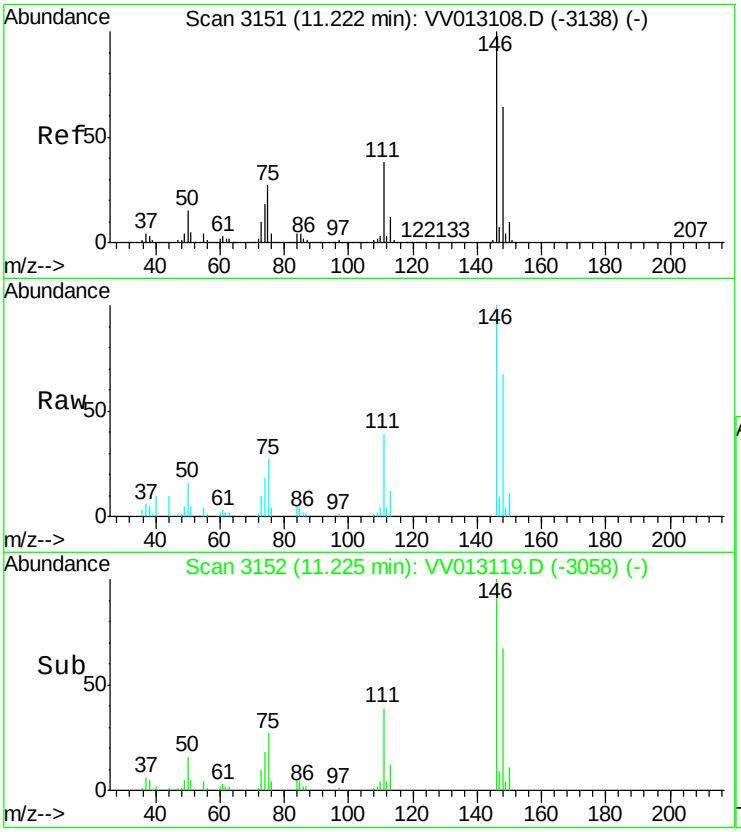


#61
Bromoform
Concen: 2.304 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion:173 Resp: 7748

Ion	Ratio	Lower	Upper
173	100		
175	45.9	38.8	58.2
254	6.6	9.6	14.4#

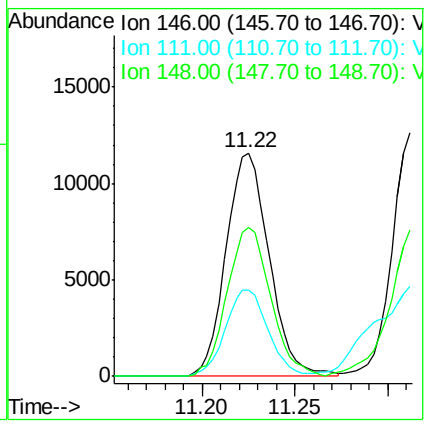




#62
1,3-Dichlorobenzene
Concen: 2.172 ug/L
RT: 11.22 min Scan# 3152
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion:146 Resp: 18766

Ion	Ratio	Lower	Upper
146	100		
111	38.8	26.6	49.4
148	66.8	44.6	82.8



Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

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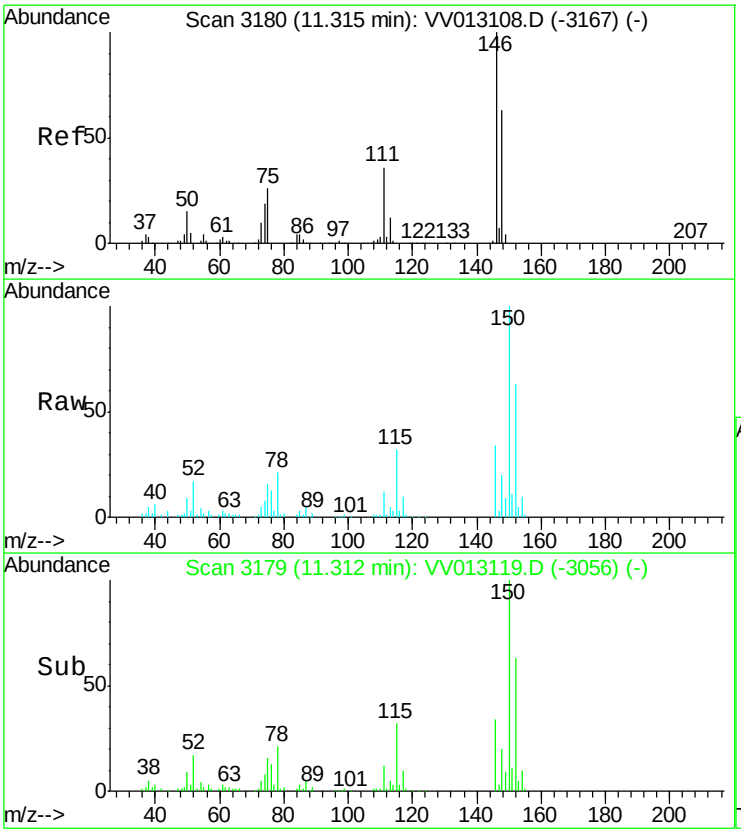
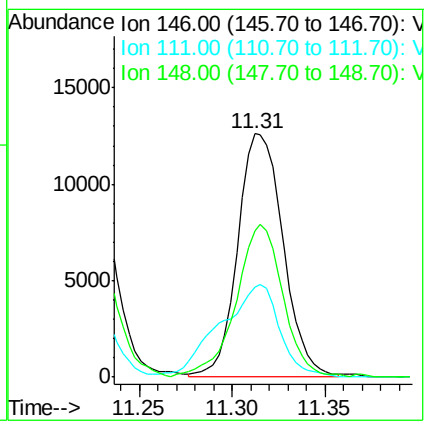
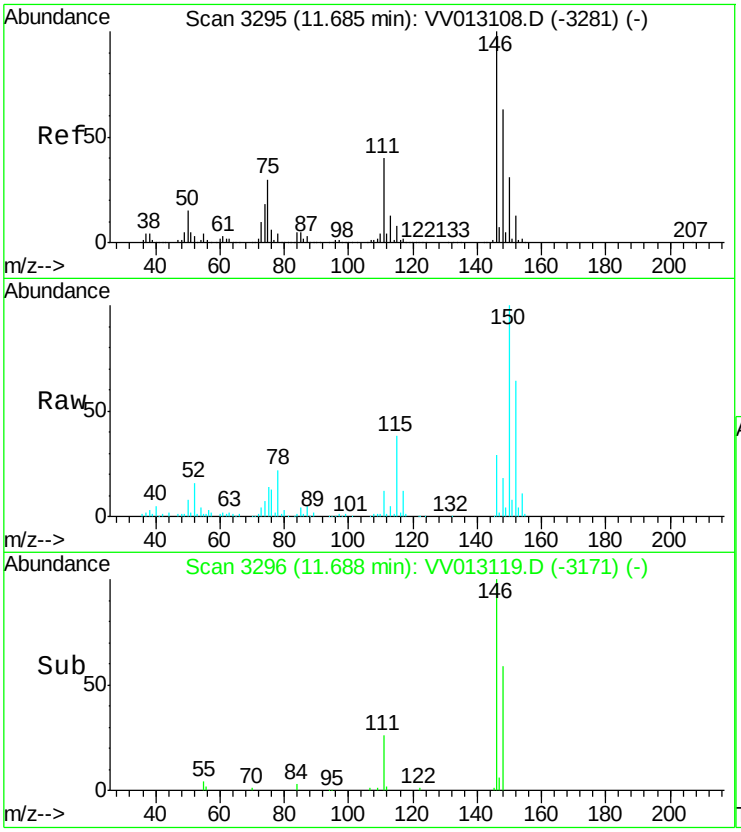


#63
1,4-Dichlorobenzene
Concen: 2.489 ug/L
RT: 11.31 min Scan# 3179
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion:146 Resp: 21595

Ion	Ratio	Lower	Upper
146	100		
111	36.8	25.4	47.2
148	60.0	44.2	82.2

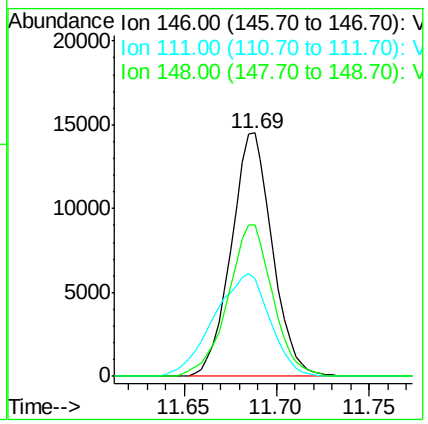




#65
1,2-Dichlorobenzene
Concen: 2.538 ug/L
RT: 11.69 min Scan# 3296
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion:146 Resp: 22324

Ion	Ratio	Lower	Upper
146	100		
111	40.0	32.2	48.2
148	62.3	50.6	76.0



Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

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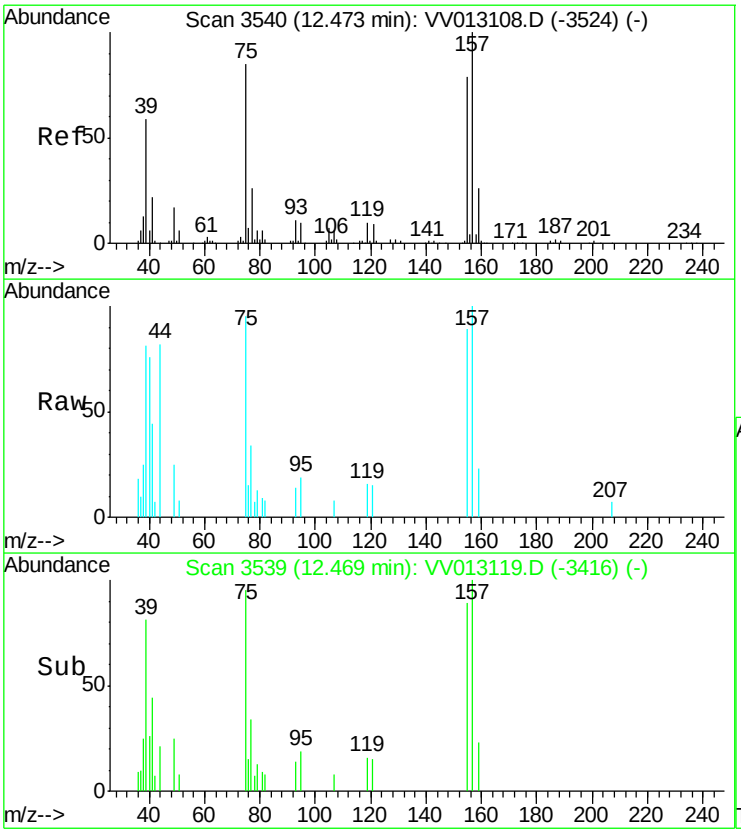
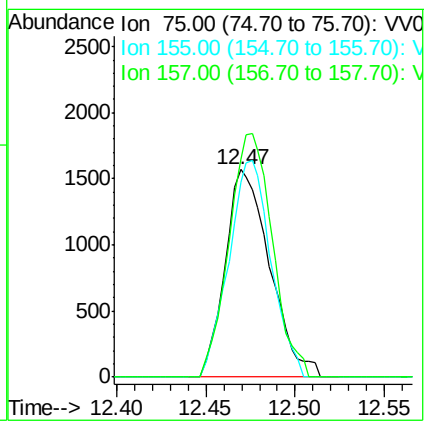
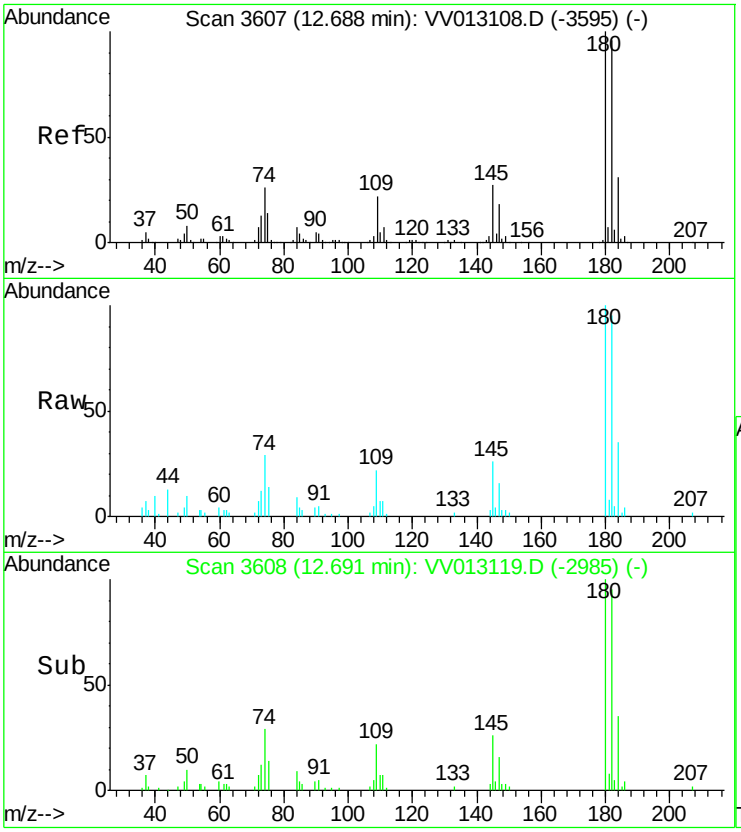


#66
1,2-Dibromo-3-chloropropane
Concen: 2.129 ug/L
RT: 12.47 min Scan# 3539
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 75 Resp: 2724

Ion	Ratio	Lower	Upper
75	100		
155	93.9	74.6	111.8
157	105.2	94.2	141.4

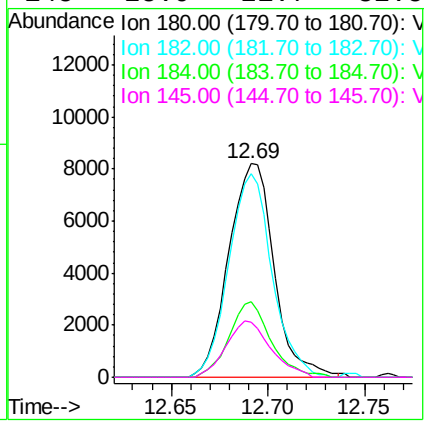




#67
1,3,5-Trichlorobenzene
Concen: 2.173 ug/L
RT: 12.69 min Scan# 3608
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion:180 Resp: 13394

Ion	Ratio	Lower	Upper
180	100		
182	91.0	76.7	115.1
184	32.1	24.3	36.5
145	25.9	21.7	32.5



Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

Manual Integrations APPROVED
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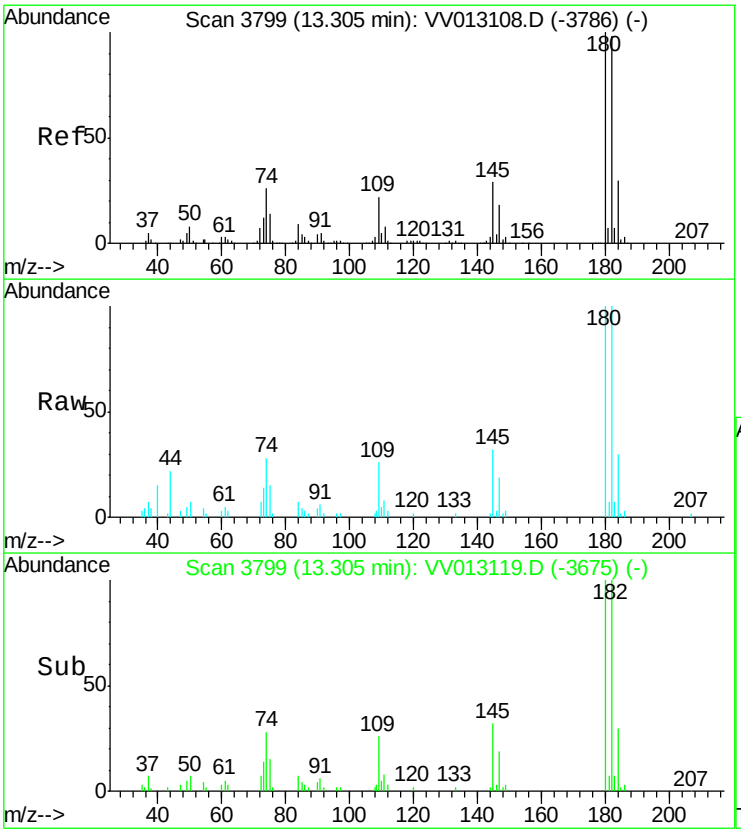
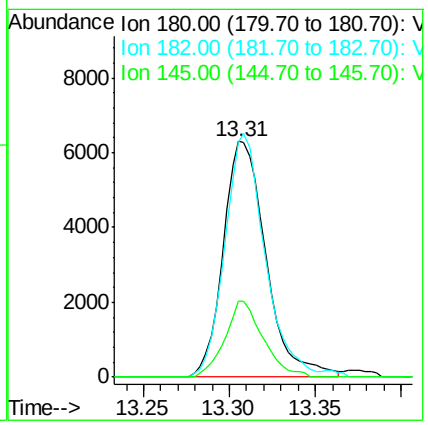
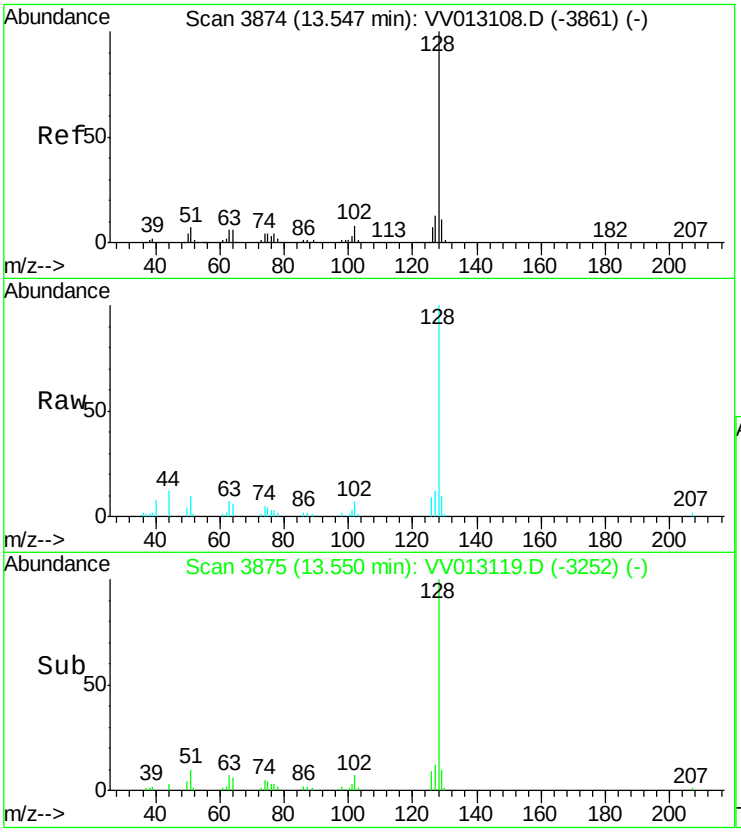


#68
1,2,4-trichlorobenzene
Concen: 2.062 ug/L
RT: 13.31 min Scan# 3799
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion:180 Resp: 10897

Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.4	116.0
145	28.9	22.7	34.1

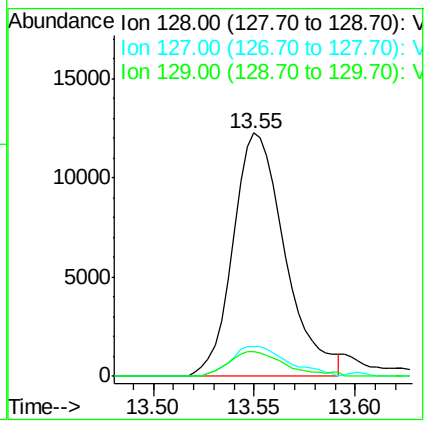




#69
Naphthalene
Concen: 1.521 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

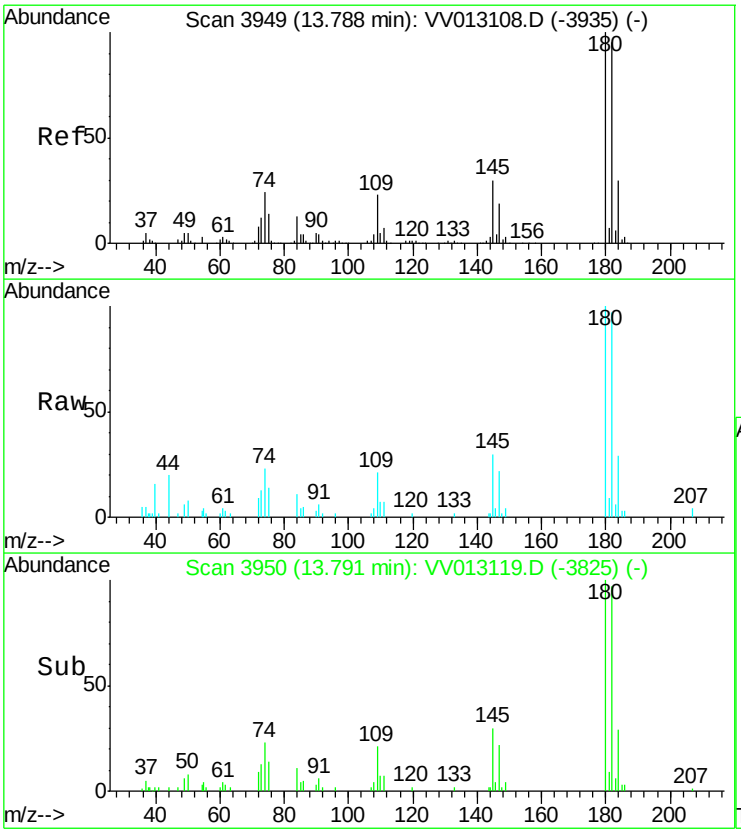
Tgt Ion:128 Resp: 22150

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.4
129	10.6	8.6	13.0



Instrument :
MSVOA_V
ClientSampleId :
MDL07 2.5PPB

Manual Integrations APPROVED
MMDadoda
10/14/2019 4:13:39 PM



#70
1,2,3-Trichlorobenzene
Concen: 1.945 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion:180 Resp: 11000

Ion	Ratio	Lower	Upper
180	100		
182	100.5	76.9	115.3
145	29.8	23.8	35.8