Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101119\
Data File : VV013114.D
Acq On : 11 Oct 2019 21:07
Operator : SY/MD
Sample : MDL02 2.5PPB
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

Manual Integrations APPROVED
MMDadoda
10/14/2019 4:13:27 PM

Quant Time: Oct 12 04:02:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 12 03:55:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	715786	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	669215	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	278691	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	229238	50.67	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 101.34%			
7) Chloroethane-d5	1.58	69	196317	52.93	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.86%			
11) 1,1-Dichloroethene-d2	2.13	63	324485	38.02	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 76.04%			
21) 2-Butanone-d5	3.92	46	356114	104.68	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 104.68%			
24) Chloroform-d	4.40	84	441125	50.64	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.28%			
26) 1,2-Dichloroethane-d4	5.08	65	282641	52.64	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.28%			
32) Benzene-d6	5.10	84	938099	52.54	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.08%			
36) 1,2-Dichloropropane-d6	6.12	67	298450	53.35	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 106.70%			
41) Toluene-d8	7.36	98	806700	50.49	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.98%			
43) trans-1,3-Dichloropropene-	7.66	79	123848	48.87	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 97.74%			
47) 2-Hexanone-d5	8.13	63	232087	104.27	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 104.27%			
57) 1,1,2,2-Tetrachloroethane-	10.26	84	357680	49.55	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 99.10%			
64) 1,2-Dichlorobenzene-d4	11.67	152	307181	56.26	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 112.52%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	8844	1.593	ug/L	96
3) Chloromethane	1.25	50	10901	1.725	ug/L	98
5) Vinyl chloride	1.32	62	10664	1.757	ug/L #	52
6) Bromomethane	1.53	94	7148	2.302	ug/L	97
8) Chloroethane	1.60	64	6621	1.834	ug/L	94
9) Trichlorofluoromethane	1.77	101	13035	1.674	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	11045	2.408	ug/L #	76
12) 1,1-Dichloroethene	2.14	96	9932	2.237	ug/L #	1
13) Acetone	2.19	43	9216	2.950	ug/L	98
14) Carbon disulfide	2.32	76	23885	1.855	ug/L	99
15) Methyl Acetate	2.46	43	8616	1.556	ug/L	96
16) Methylene chloride	2.54	84	9927	1.880	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	7986	1.658	ug/L	99
18) Methyl tert-butyl Ether	2.80	73	22536	1.550	ug/L	98
19) 1,1-Dichloroethane	3.23	63	14432	1.589	ug/L	96
20) cis-1,2-Dichloroethene	3.96	96	9248	1.697	ug/L	93
22) 2-Butanone	4.02	43	11968m	3.010	ug/L	

Quantitation Report (QT Reviewed)

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Sample : MDL02 2.5PPB
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

Manual Integrations APPROVED
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Quant Time: Oct 12 04:02:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 12 03:55:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
23) Bromochloromethane	4.30	128	4952m	1.789 ug/L		
25) Chloroform	4.42	83	20995	2.294 ug/L		96
27) 1,2-Dichloroethane	5.18	62	12114m	1.727 ug/L		
29) Cyclohexane	4.72	56	12336	1.539 ug/L		96
30) 1,1,1-Trichloroethane	4.66	97	12092	1.628 ug/L		100
31) Carbon tetrachloride	4.87	117	10419	1.579 ug/L		98
33) Benzene	5.15	78	31137	1.528 ug/L		100
34) Trichloroethene	5.96	95	9698	1.787 ug/L		95
35) Methylcyclohexane	6.18	83	13861m	1.688 ug/L		
37) 1,2-Dichloropropane	6.22	63	8685	1.645 ug/L	#	93
38) Bromodichloromethane	6.56	83	10684	1.591 ug/L	#	97
39) cis-1,3-Dichloropropene	7.07	75	12489m	1.600 ug/L		
40) 4-Methyl-2-pentanone	7.27	43	20337	2.943 ug/L		95
42) Toluene	7.43	91	36009	1.716 ug/L		94
44) trans-1,3-Dichloropropene	7.69	75	9673	1.429 ug/L		96
45) 1,1,2-Trichloroethane	7.88	97	8630	1.722 ug/L		94
46) Tetrachloroethene	8.02	164	7630	1.776 ug/L		90
48) 2-Hexanone	8.18	43	23630	4.423 ug/L		97
49) Dibromochloromethane	8.29	129	8205	1.502 ug/L		98
50) 1,2-Dibromoethane	8.40	107	8636	1.649 ug/L		83
51) Chlorobenzene	8.92	112	23223	1.688 ug/L		98
52) Ethylbenzene	9.05	91	33023	1.473 ug/L		96
53) m,p-Xylene	9.18	106	12146	1.440 ug/L		98
54) o-xylene	9.59	106	11806	1.397 ug/L		95
55) Styrene	9.60	104	16802	1.211 ug/L		95
56) Isopropylbenzene	9.97	105	28229	1.301 ug/L		98
58) 1,1,2,2-Tetrachloroethane	10.28	83	13755	1.888 ug/L	#	98
59) 1,2,3-Trichloropropane	10.31	75	11025	1.716 ug/L		96
61) Bromoform	9.77	173	5635	1.607 ug/L	#	92
62) 1,3-Dichlorobenzene	11.22	146	15568	1.727 ug/L		98
63) 1,4-Dichlorobenzene	11.31	146	17547	1.939 ug/L		97
65) 1,2-Dichlorobenzene	11.69	146	17432	1.900 ug/L		96
66) 1,2-Dibromo-3-chloropropan	12.47	75	2321	1.739 ug/L	#	74
67) 1,3,5-Trichlorobenzene	12.69	180	11626	1.809 ug/L		96
68) 1,2,4-trichlorobenzene	13.31	180	9256	1.679 ug/L		96
69) Naphthalene	13.55	128	20764	1.367 ug/L		97
70) 1,2,3-Trichlorobenzene	13.79	180	9822	1.666 ug/L		96

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

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Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

Manual Integrations APPROVED
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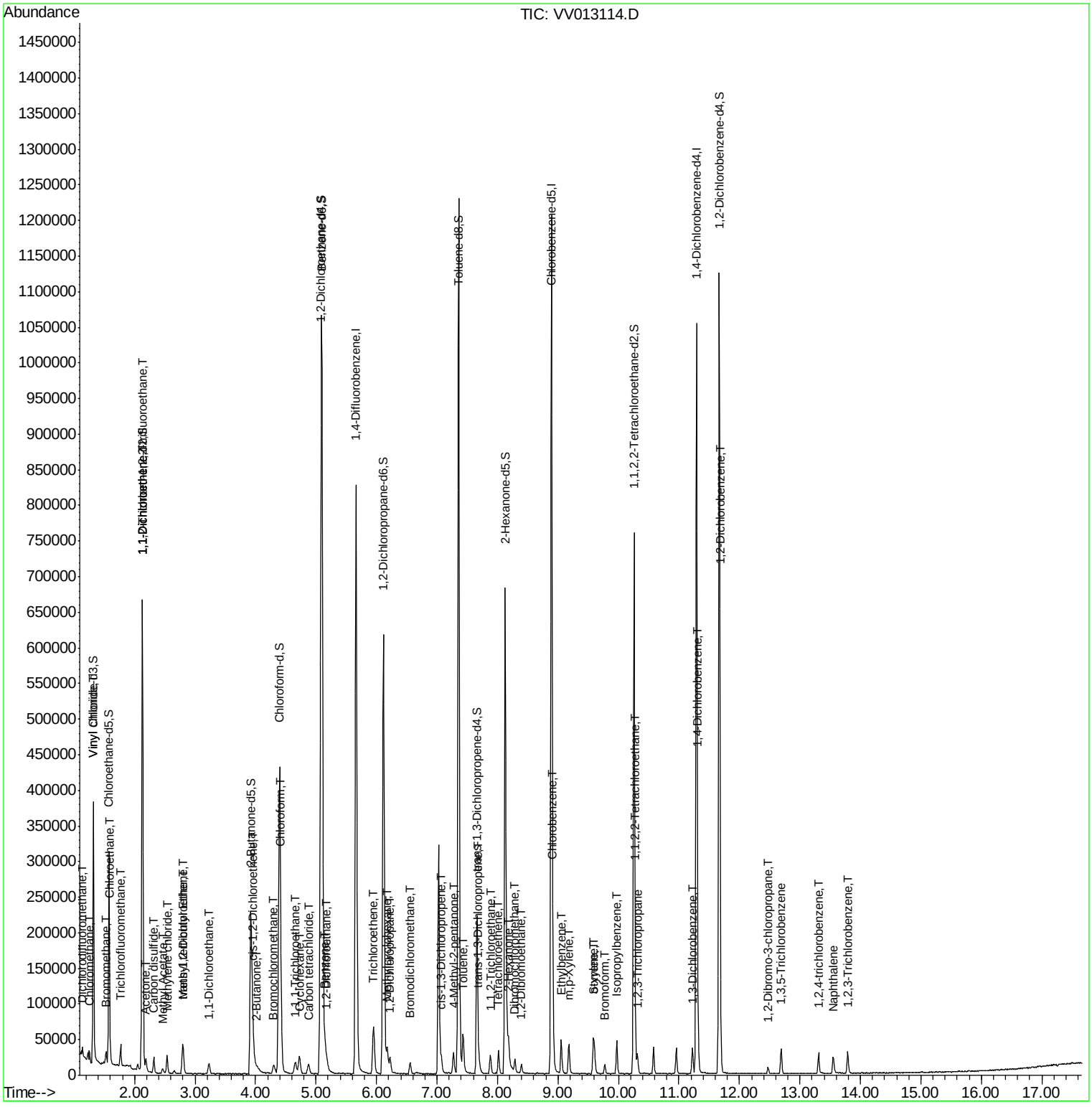
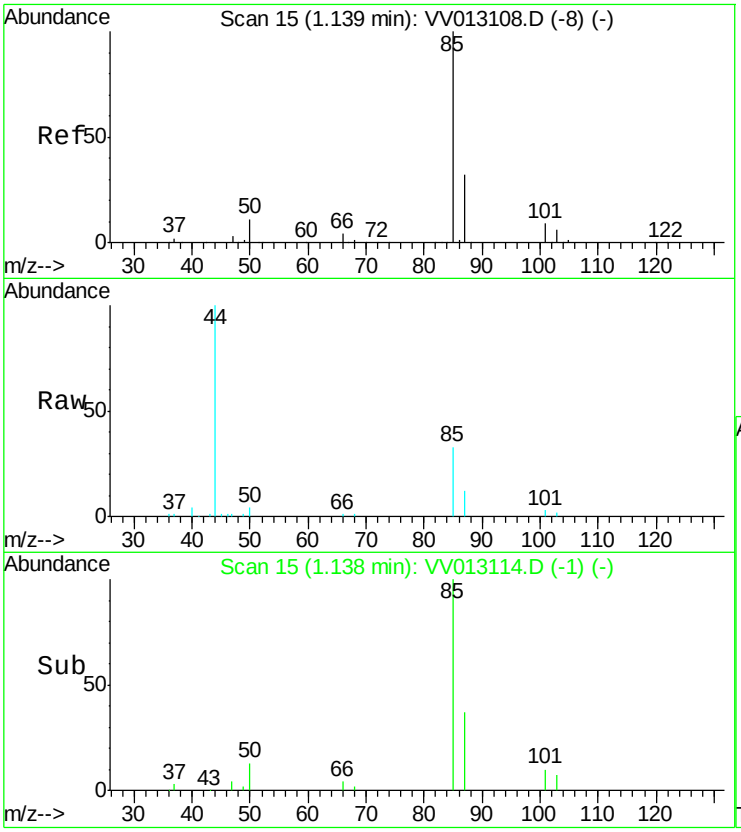
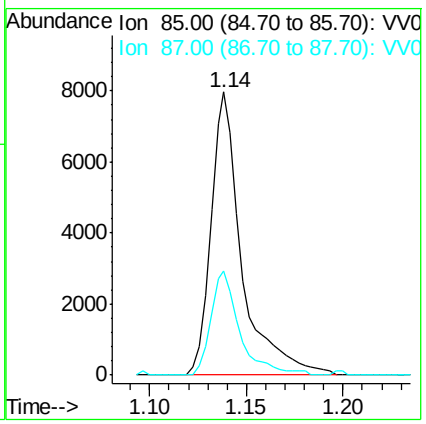




#2
Dichlorodifluoromethane
Concen: 1.593 ug/L
RT: 1.14 min Scan# 15
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 85 Resp: 8844

Ion	Ratio	Lower	Upper
85	100		
87	34.1	25.6	38.4



Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

Manual Integrations APPROVED
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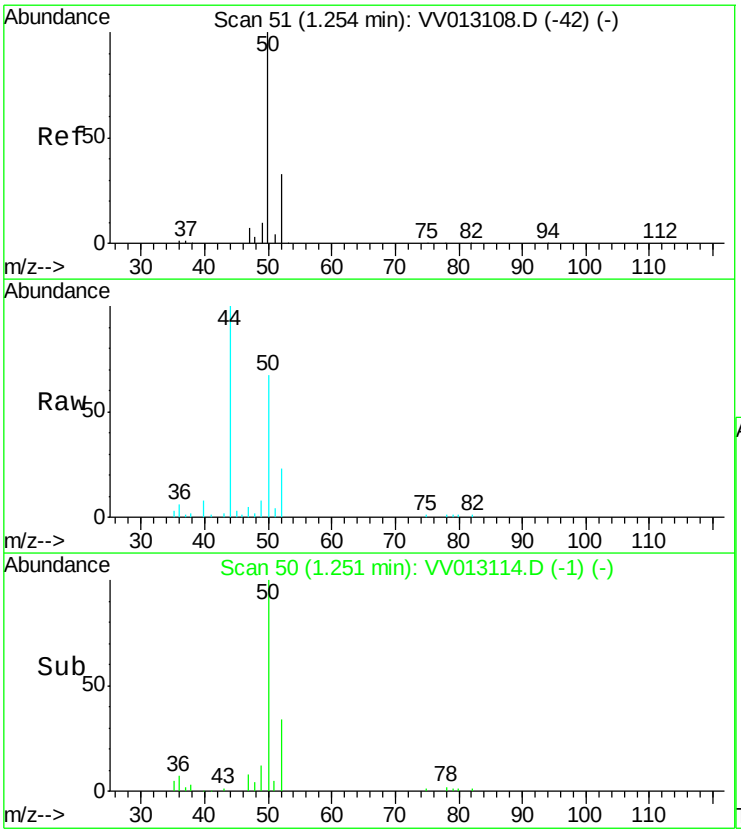
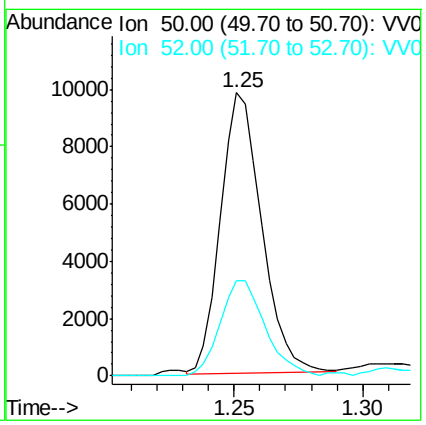
10/14/2019 4:13:27 PM

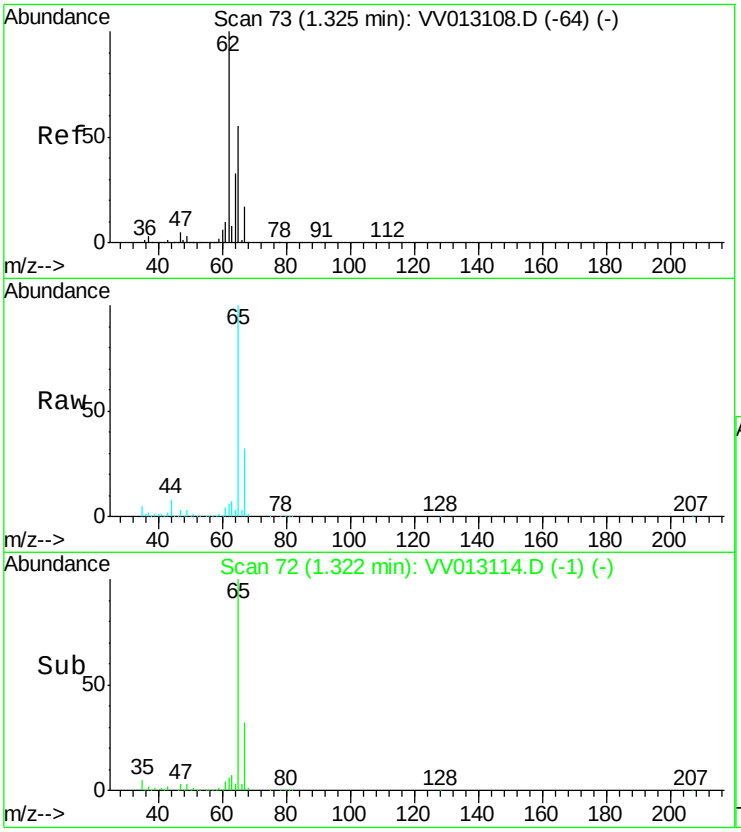


#3
Chloromethane
Concen: 1.725 ug/L
RT: 1.25 min Scan# 50
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 50 Resp: 10901

Ion	Ratio	Lower	Upper
50	100		
52	33.8	23.0	42.6





#5
Vinyl chloride
Concen: 1.757 ug/L
RT: 1.32 min Scan# 72
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 62 Resp: 10664

Ion	Ratio	Lower	Upper
62	100		
64	59.5	22.9	42.5#

Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

Manual Integrations APPROVED
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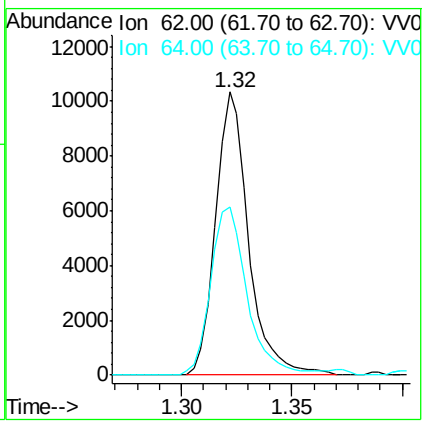
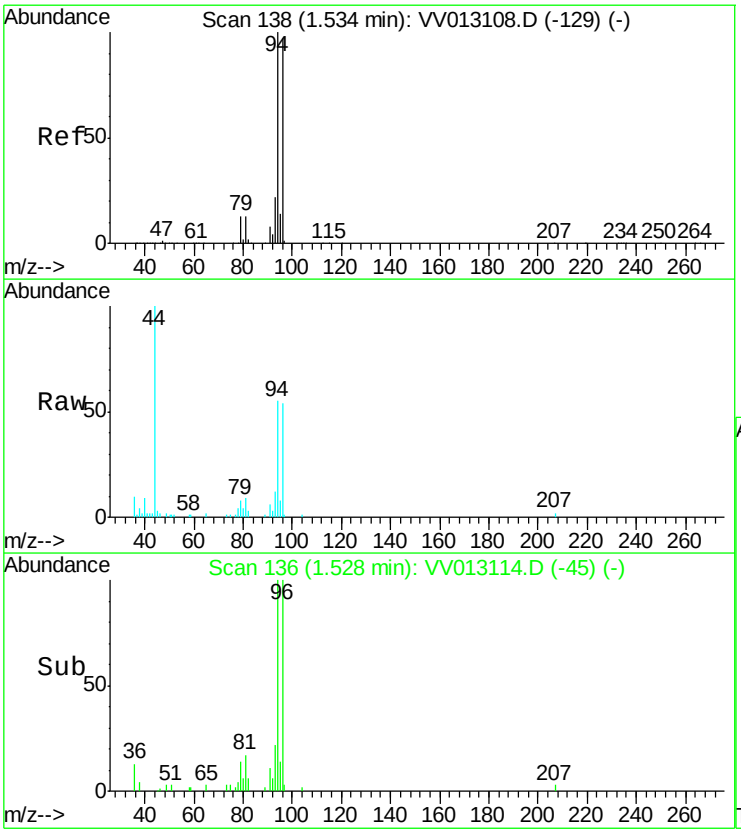
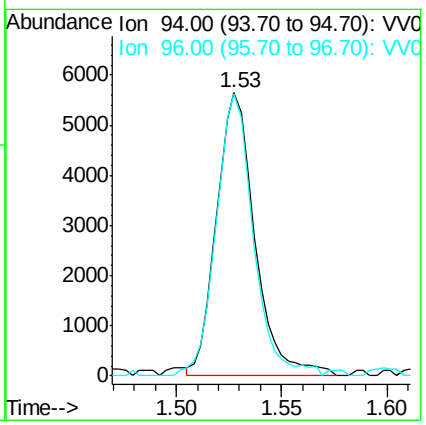


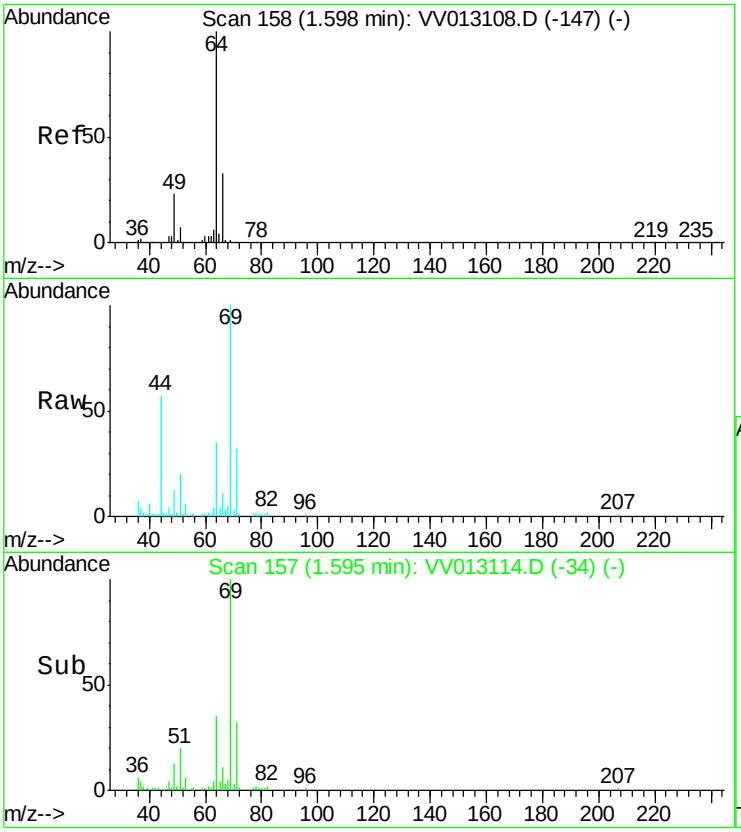


#6
Bromomethane
Concen: 2.302 ug/L
RT: 1.53 min Scan# 136
Delta R.T. -0.01 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 94 Resp: 7148

Ion	Ratio	Lower	Upper
94	100		
96	99.7	68.0	126.2

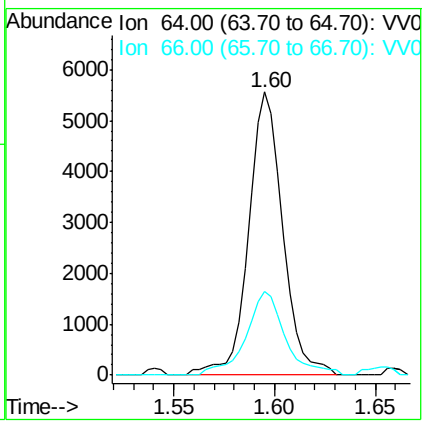




#8
Chloroethane
Concen: 1.834 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 64 Resp: 6621

Ion	Ratio	Lower	Upper
64	100		
66	29.6	23.0	42.8



Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

Manual Integrations APPROVED
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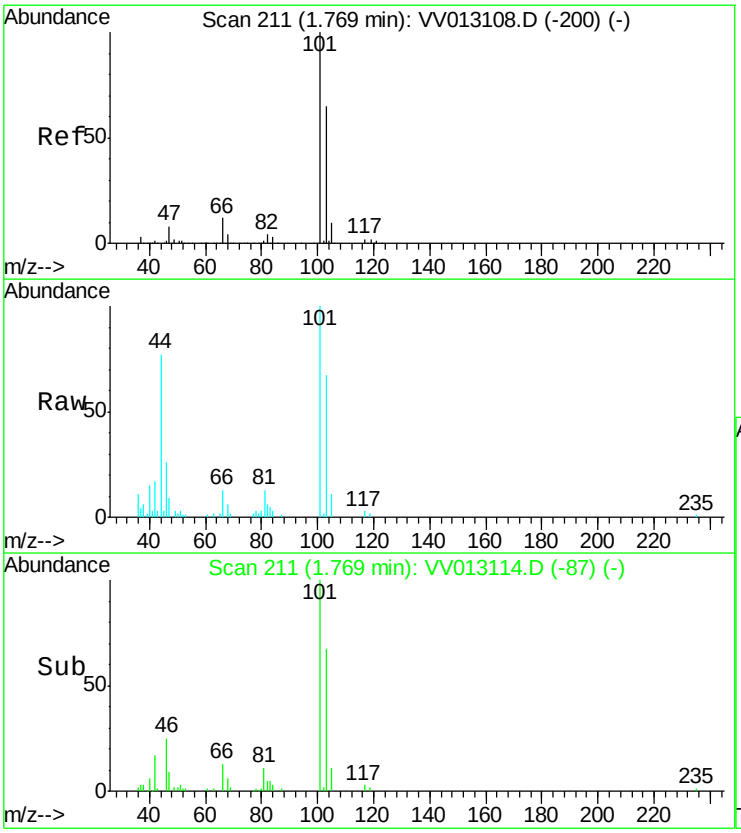
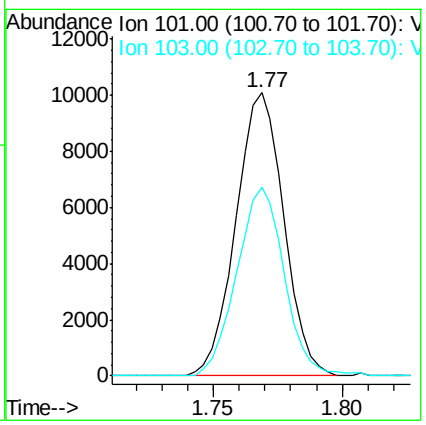
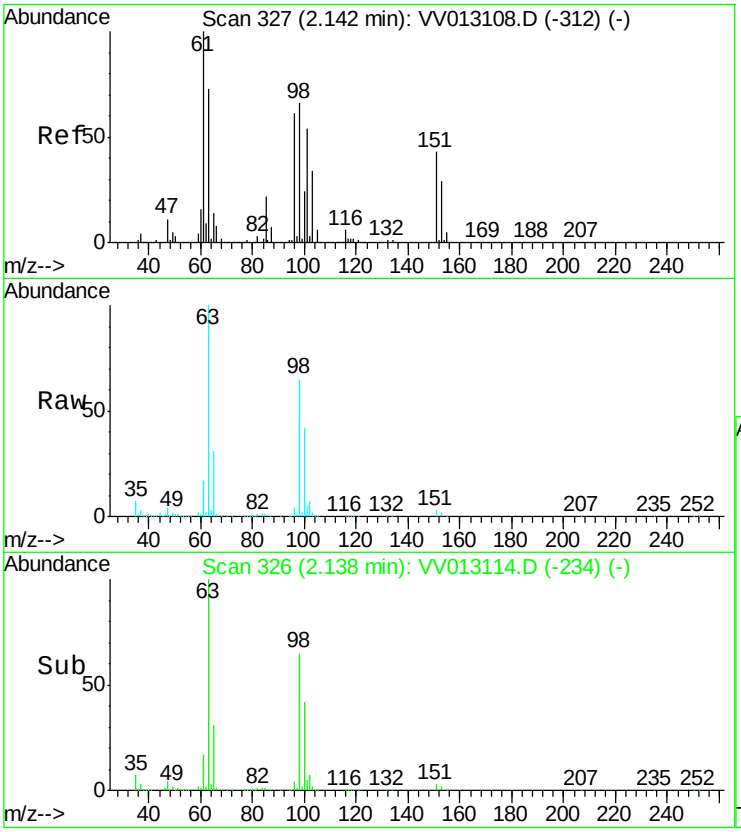


#9
Trichlorofluoromethane
Concen: 1.674 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion:101 Resp: 13035

Ion	Ratio	Lower	Upper
101	100		
103	66.2	51.3	76.9





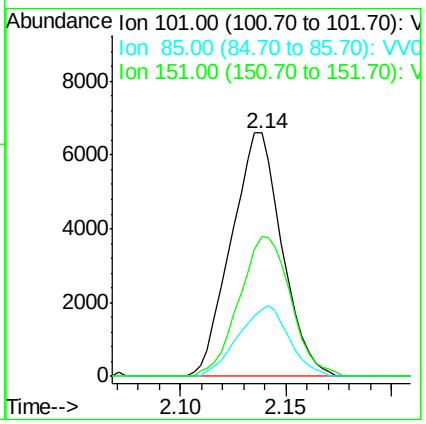
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.408 ug/L
RT: 2.14 min Scan# 326
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

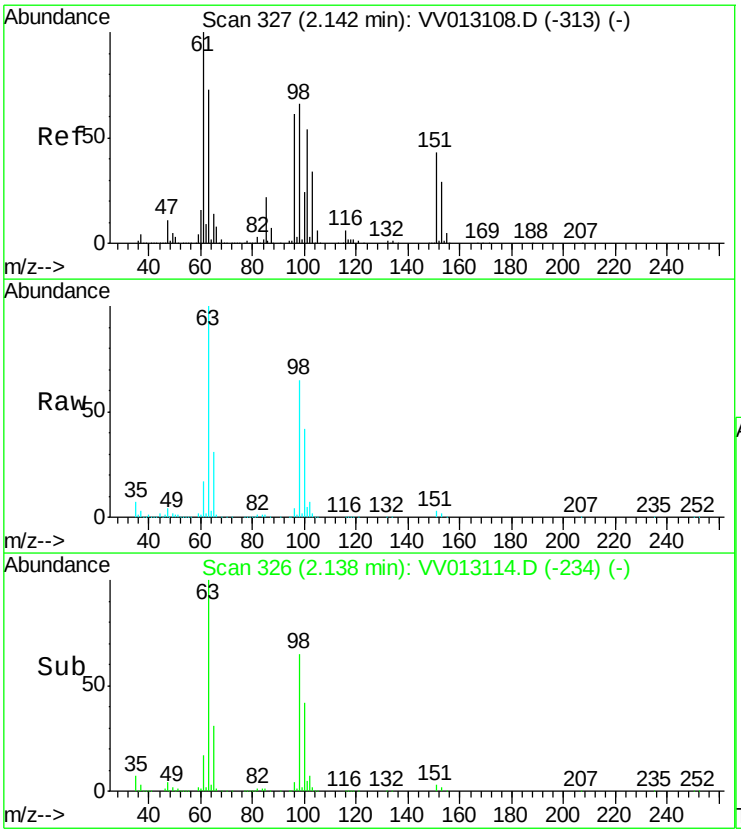
Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

Manual Integrations APPROVED
MMDadoda
10/14/2019 4:13:27 PM

Tgt Ion:101 Resp: 11045

Ion	Ratio	Lower	Upper
101	100		
85	28.8	32.9	49.3#
151	58.3	64.9	97.3#

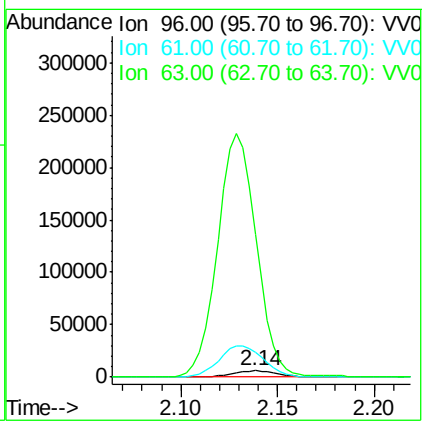


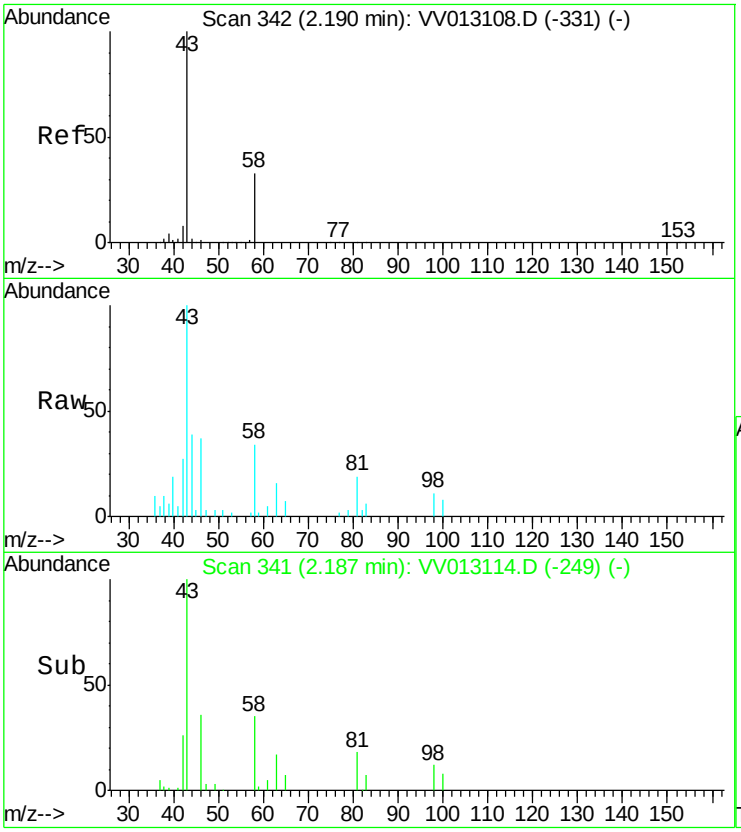


#12
1,1-Dichloroethene
Concen: 2.237 ug/L
RT: 2.14 min Scan# 326
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 96 Resp: 9932

Ion	Ratio	Lower	Upper
96	100		
61	388.8	115.7	214.9#
63	2251.5	84.3	156.5#





#13
Acetone
Concen: 2.950 ug/L
RT: 2.19 min Scan# 341
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 43 Resp: 9216

Ion	Ratio	Lower	Upper
43	100		
58	34.0	0.0	66.2

Instrument :
MSVOA_V
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MDL02 2.5PPB

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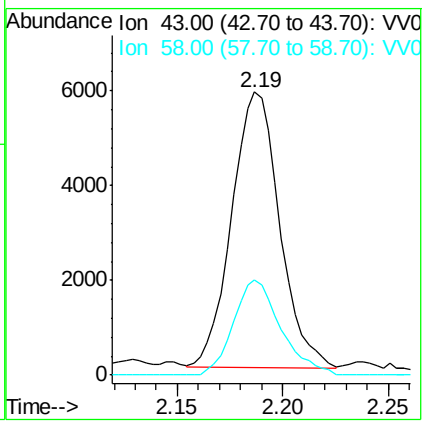
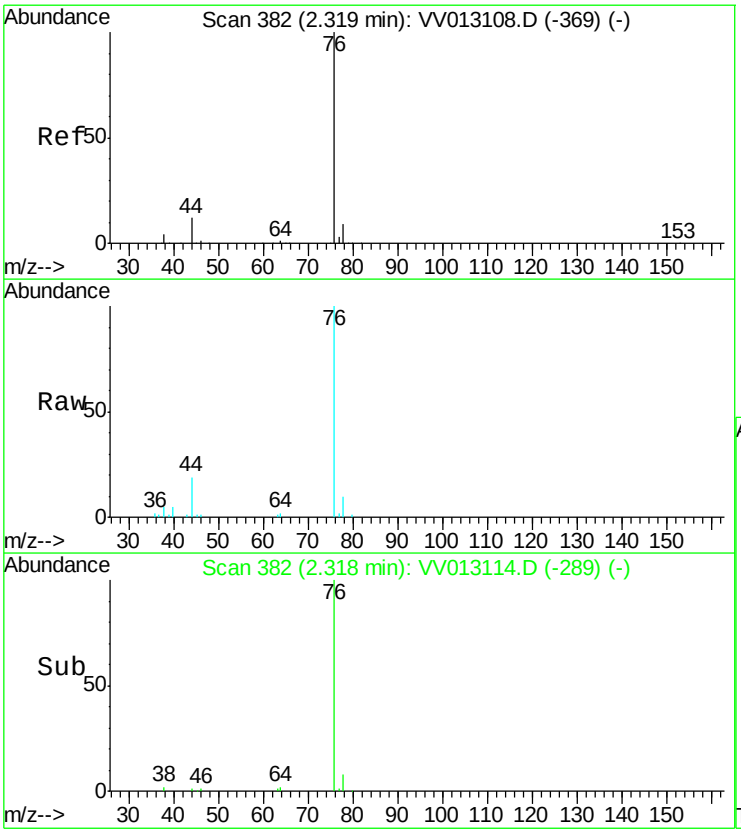
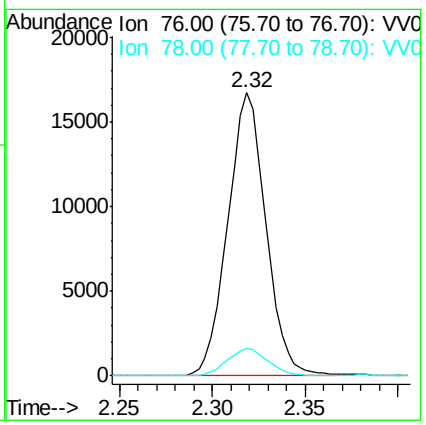


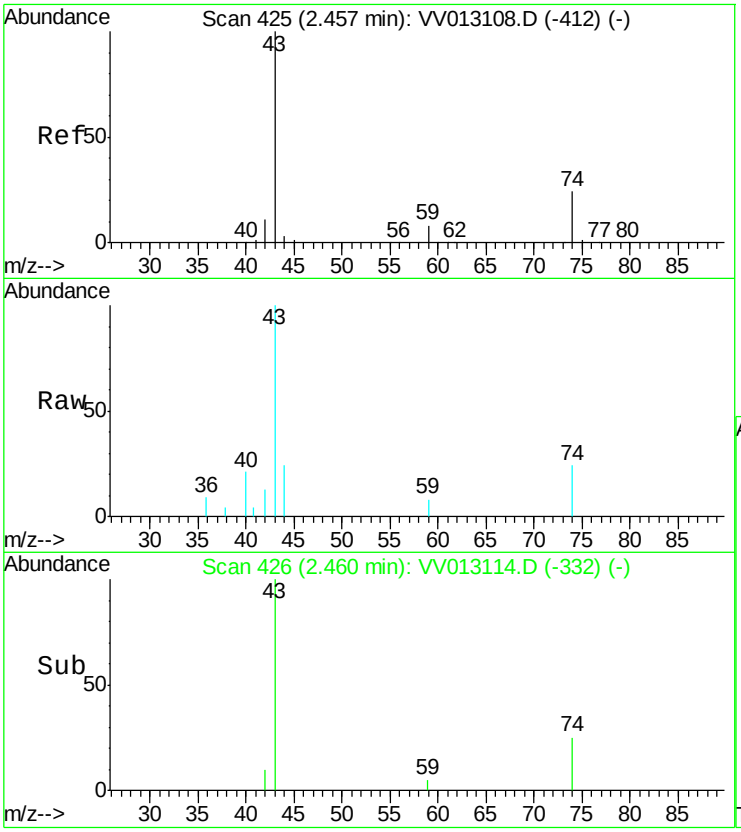


#14
Carbon disulfide
Concen: 1.855 ug/L
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 76 Resp: 23885

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9





#15
Methyl Acetate
Concen: 1.556 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 43 Resp: 8616

Ion	Ratio	Lower	Upper
43	100		
74	24.9	18.4	27.6

Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

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MMDadoda
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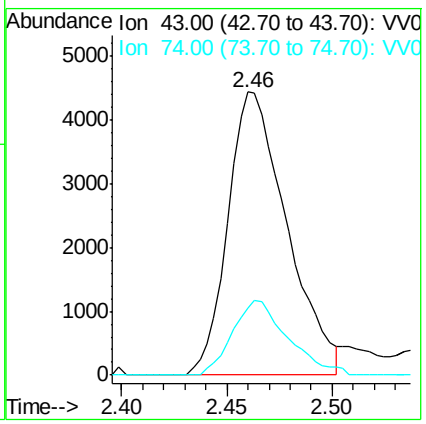
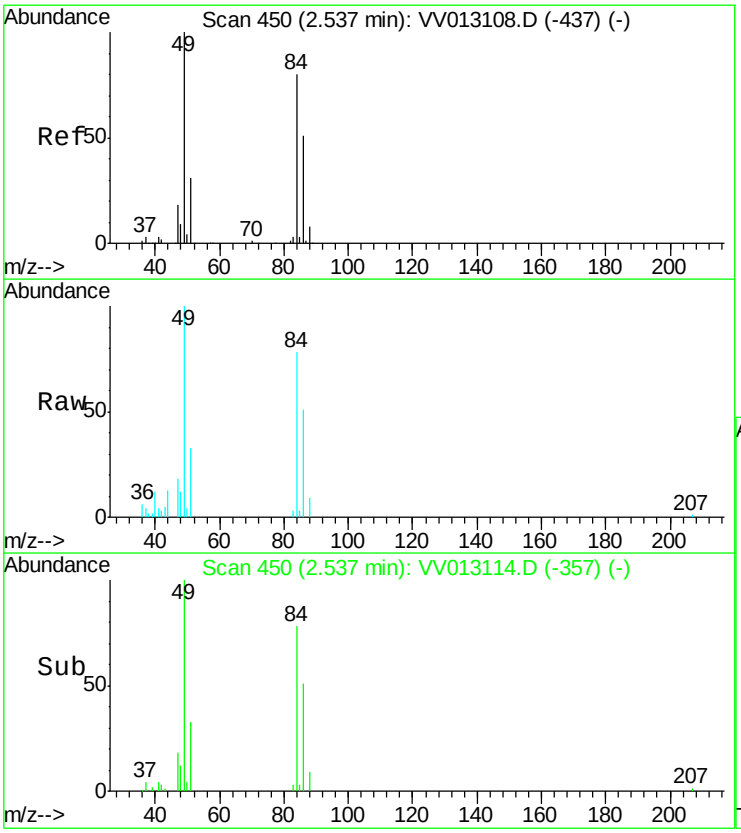
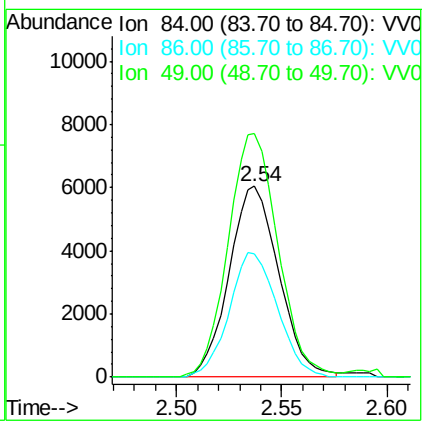


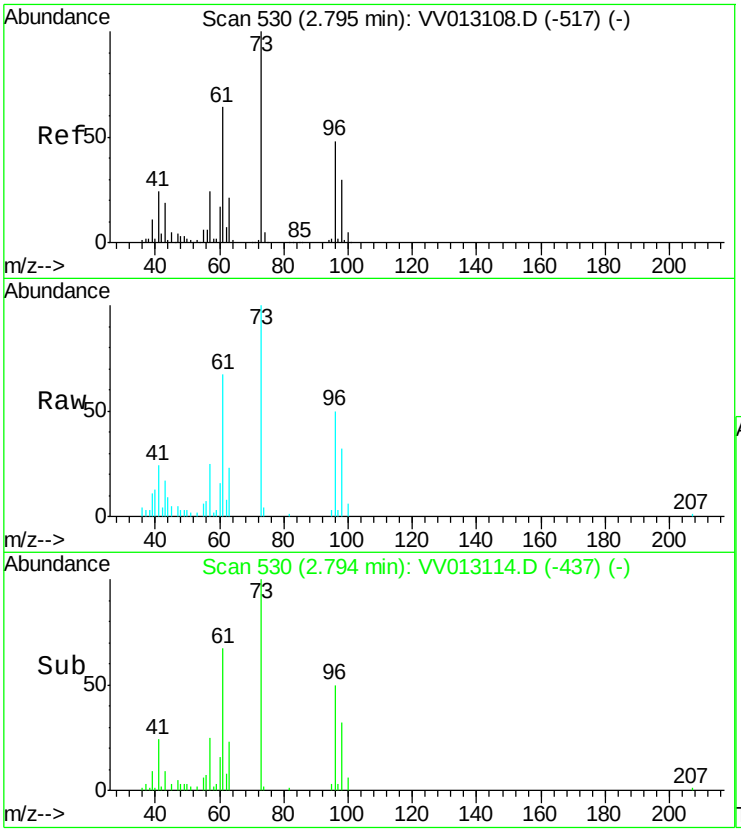


#16
Methylene chloride
Concen: 1.880 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 84 Resp: 9927

Ion	Ratio	Lower	Upper
84	100		
86	64.7	45.1	83.9
49	127.6	87.8	163.0

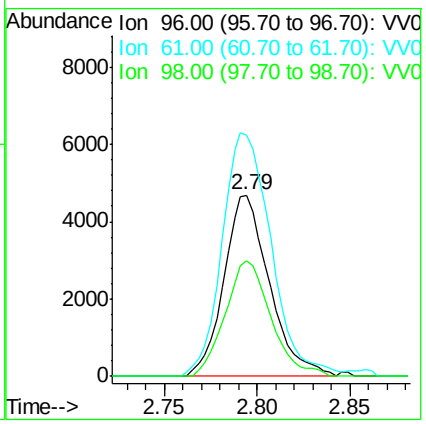




#17
trans-1,2-Dichloroethene
Concen: 1.658 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 96 Resp: 7986

Ion	Ratio	Lower	Upper
96	100		
61	133.3	93.9	174.5
98	63.8	43.9	81.5



Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

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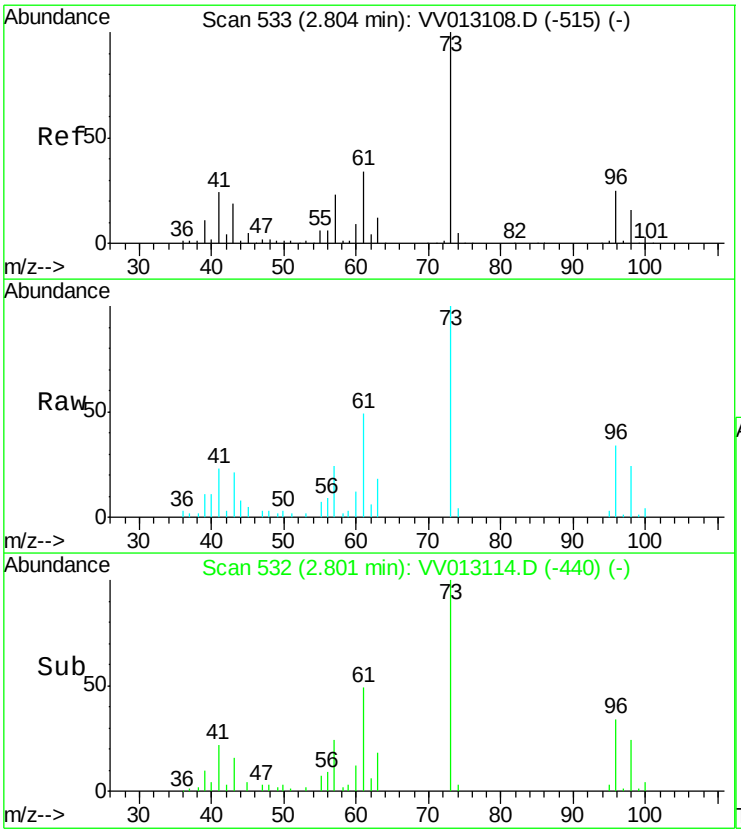
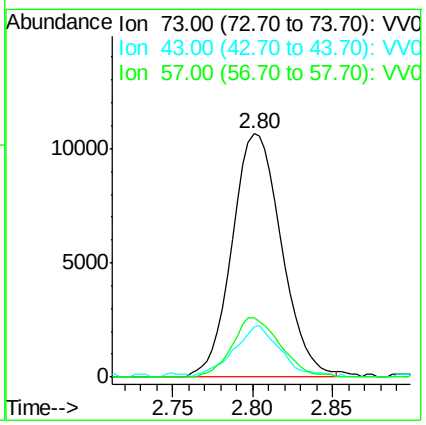
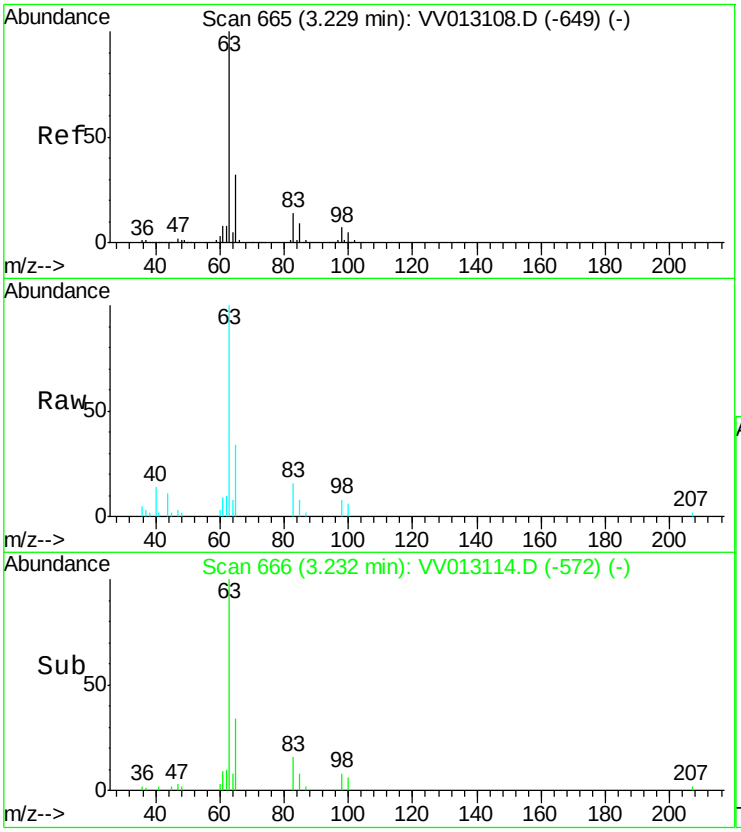


#18
Methyl tert-butyl Ether
Concen: 1.550 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 73 Resp: 22536

Ion	Ratio	Lower	Upper
73	100		
43	20.1	15.0	22.6
57	23.4	18.2	27.2

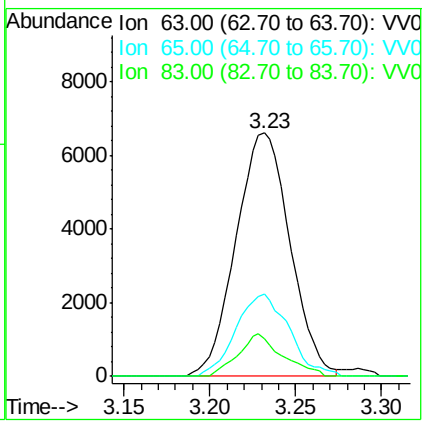




#19
1,1-Dichloroethane
Concen: 1.589 ug/L
RT: 3.23 min Scan# 666
Delta R.T. 0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 63 Resp: 14432

Ion	Ratio	Lower	Upper
63	100		
65	33.8	22.1	41.1
83	15.6	9.5	17.7



Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

Manual Integrations APPROVED
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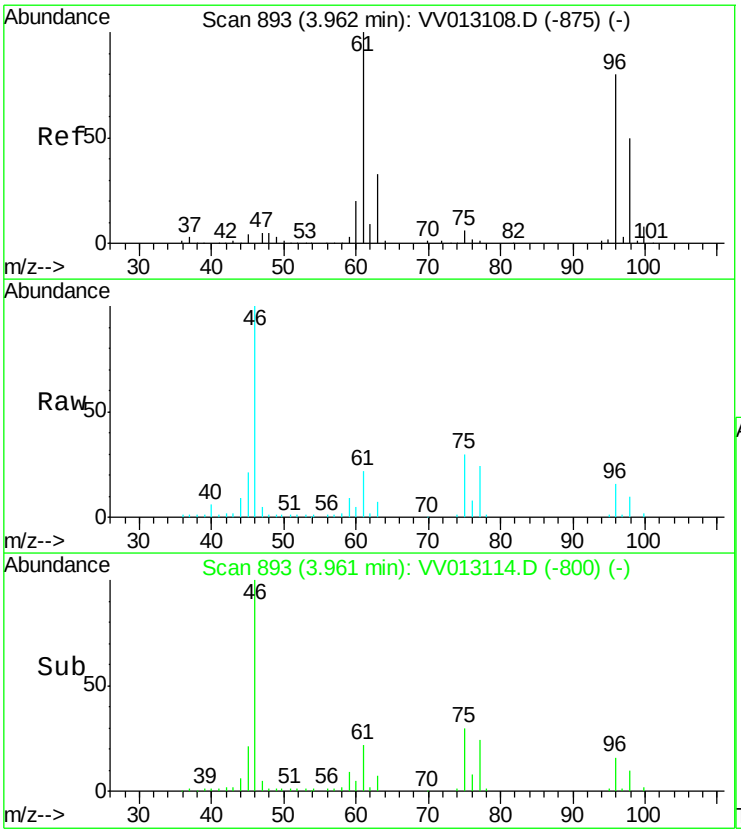
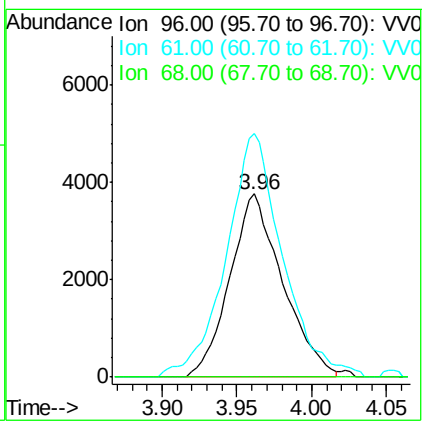
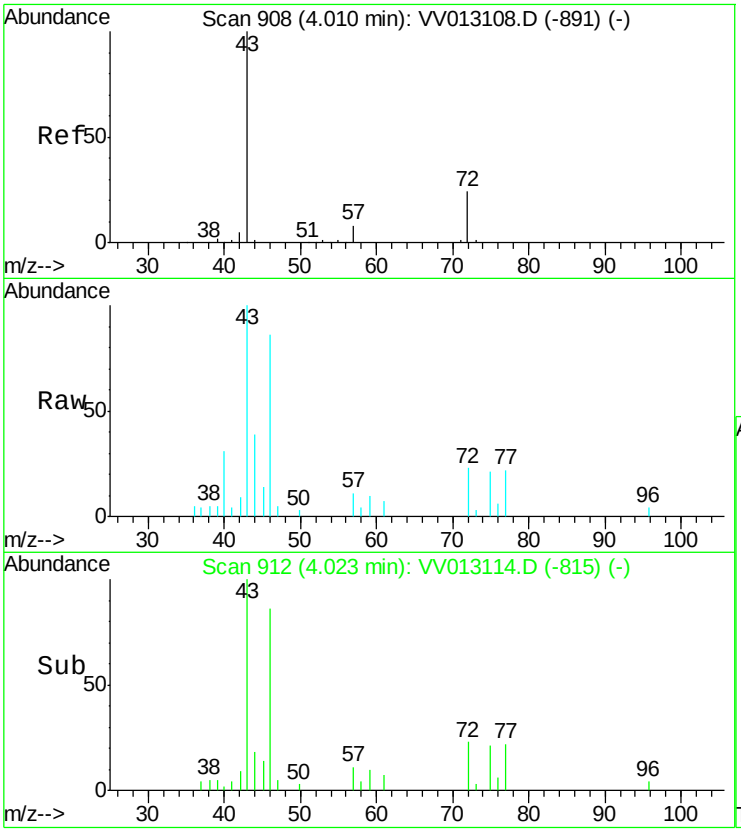


#20
cis-1,2-Dichloroethene
Concen: 1.697 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 96 Resp: 9248

Ion	Ratio	Lower	Upper
96	100		
61	133.1	87.5	162.5
68	0.0	0.0	0.0





#22
2-Butanone
Concen: 3.010 ug/L m
RT: 4.02 min Scan# 912
Delta R.T. 0.01 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 43 Resp: 11968

Ion	Ratio	Lower	Upper
43	100		
72	16.5	12.8	38.4

Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

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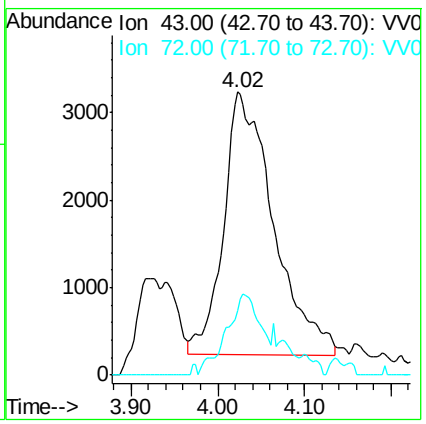
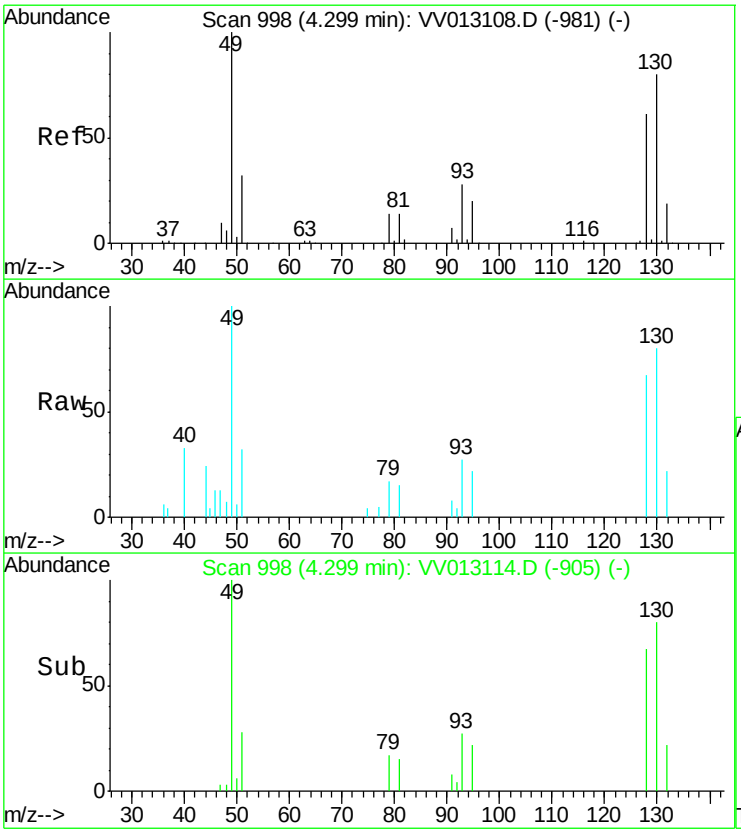
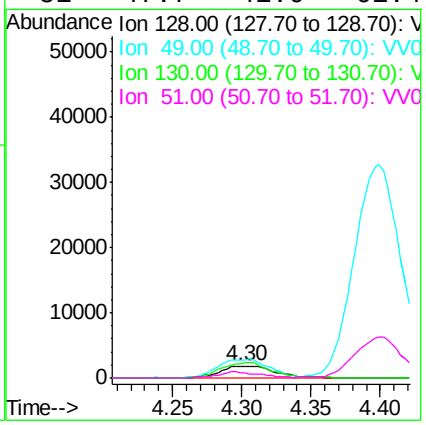


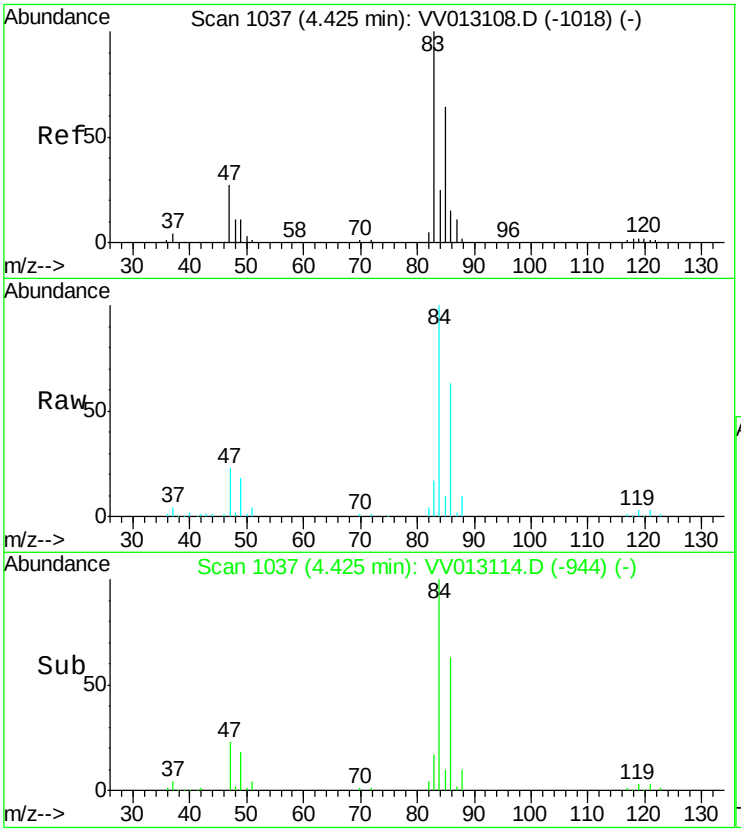


#23
Bromochloromethane
Concen: 1.789 ug/L m
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion:128 Resp: 4952

Ion	Ratio	Lower	Upper
128	100		
49	149.9	114.0	211.6
130	120.2	90.8	168.6
51	47.7	41.0	61.4

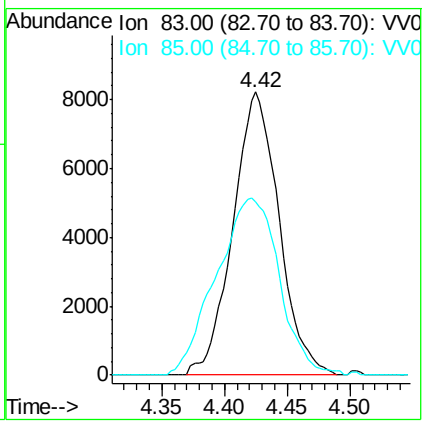




#25
Chloroform
Concen: 2.294 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 83 Resp: 20995

Ion	Ratio	Lower	Upper
83	100		
85	61.0	44.7	82.9



Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

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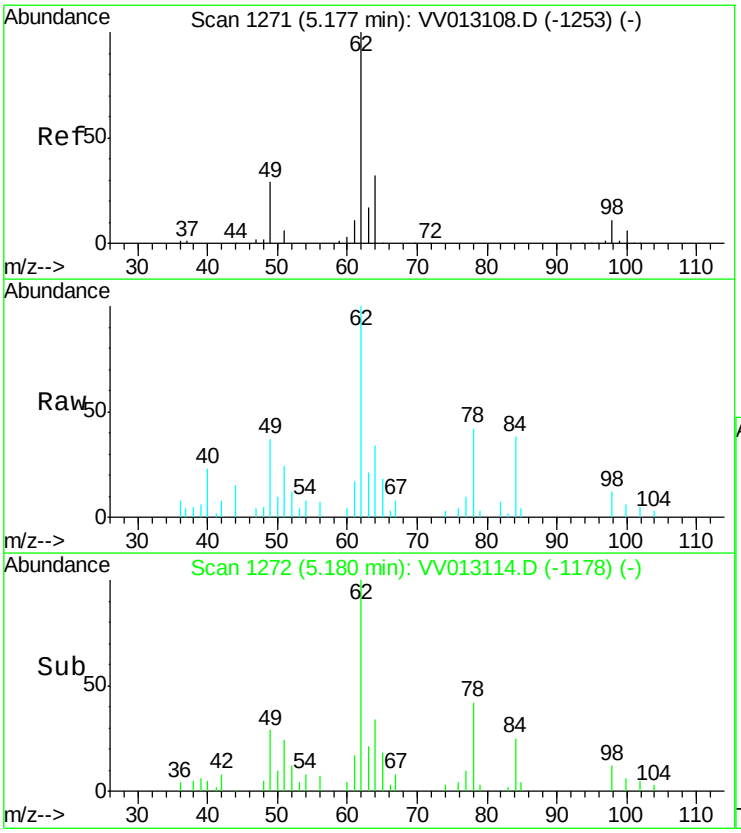
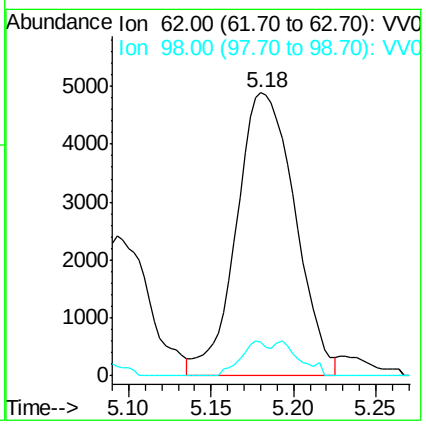
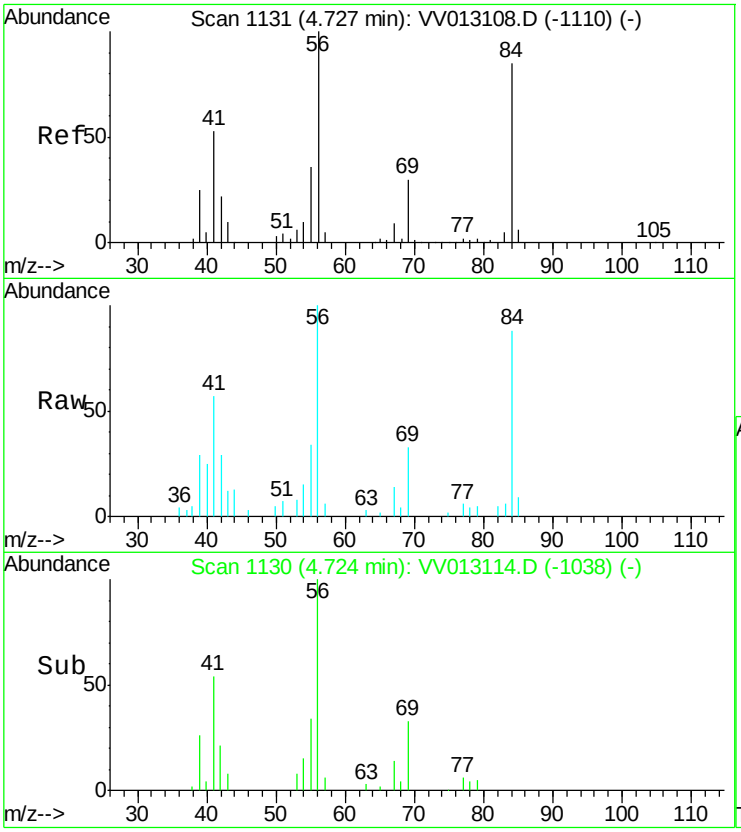


#27
1,2-Dichloroethane
Concen: 1.727 ug/L m
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 62 Resp: 12114

Ion	Ratio	Lower	Upper
62	100		
98	12.1	8.3	12.5

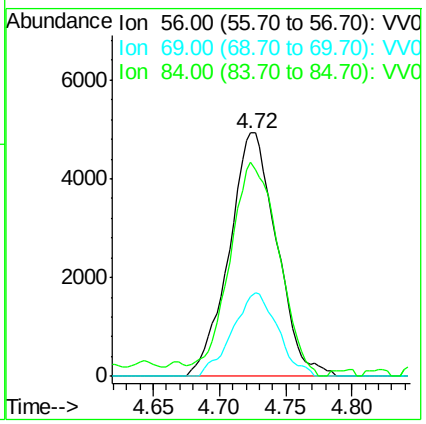




#29
Cyclohexane
Concen: 1.539 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 56 Resp: 12336

Ion	Ratio	Lower	Upper
56	100		
69	32.6	24.2	36.4
84	91.2	69.9	104.9



Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

Manual Integrations APPROVED
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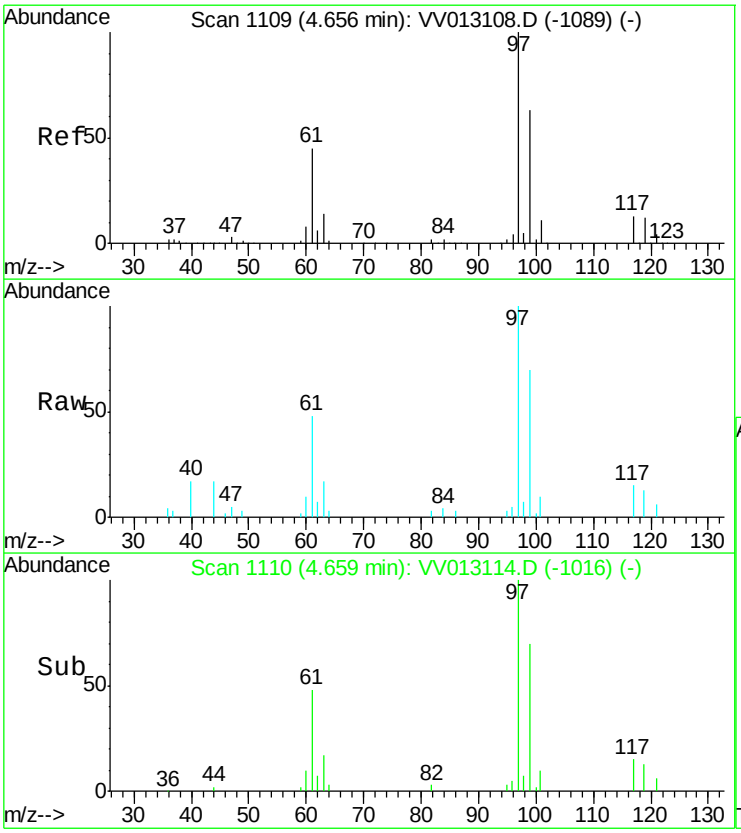
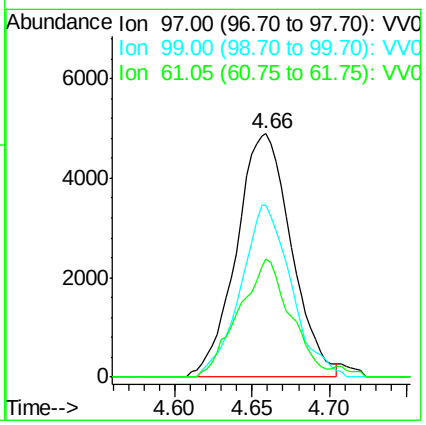
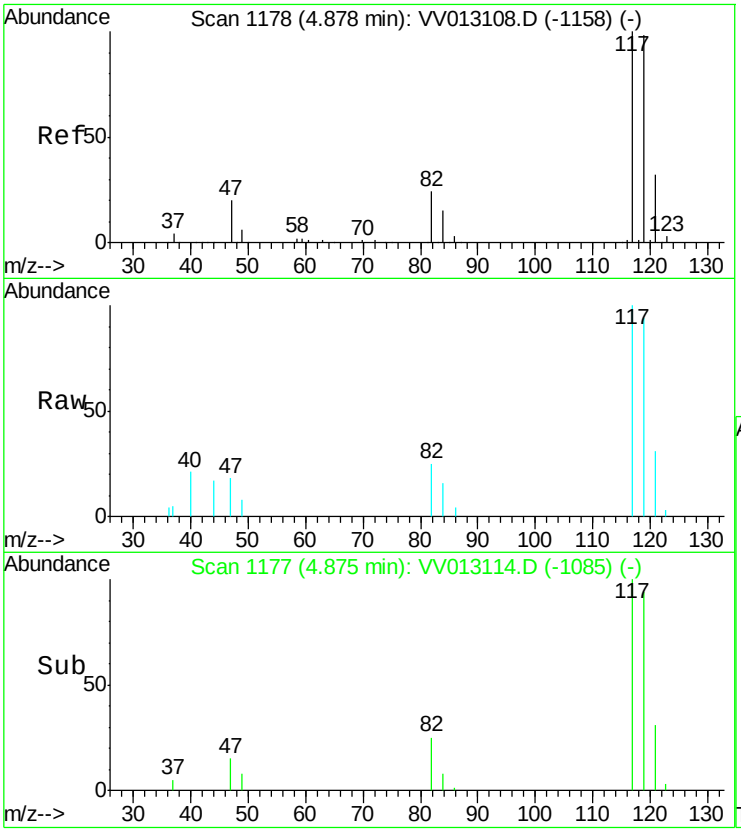


#30
1,1,1-Trichloroethane
Concen: 1.628 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 97 Resp: 12092

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.9	77.9
61	45.5	36.8	55.2

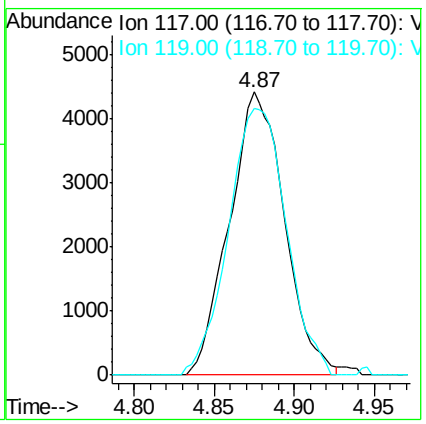




#31
Carbon tetrachloride
Concen: 1.579 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion:117 Resp: 10419

Ion	Ratio	Lower	Upper
117	100		
119	99.0	77.4	116.0



Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

Manual Integrations APPROVED
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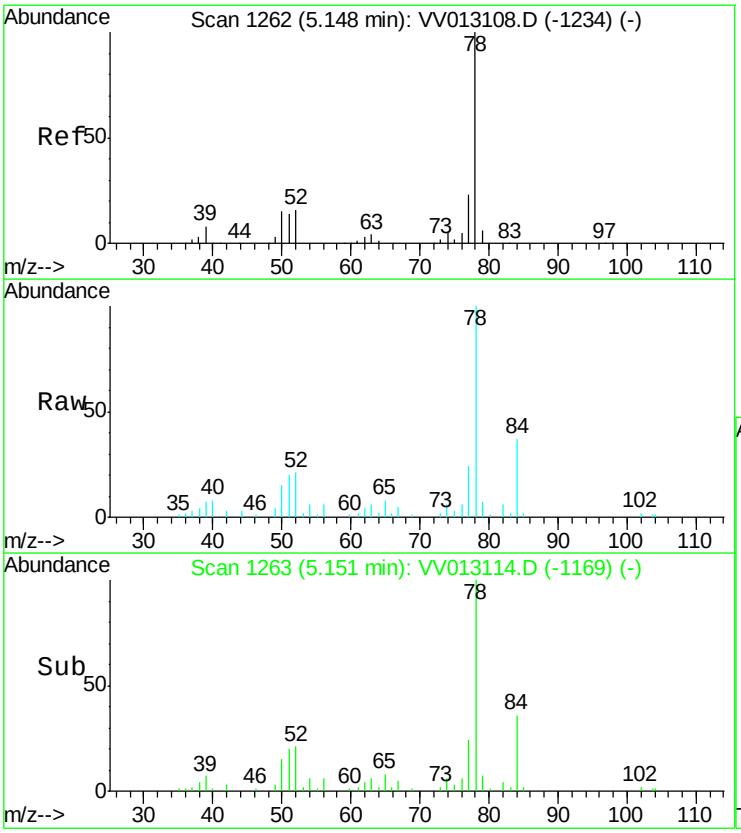
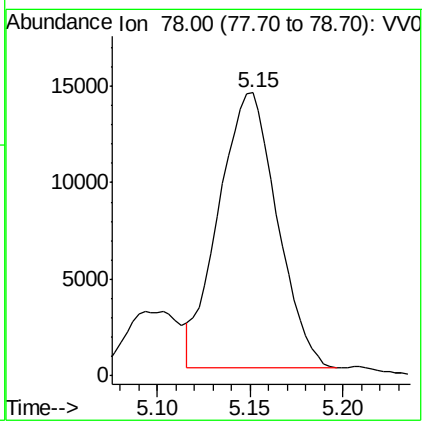
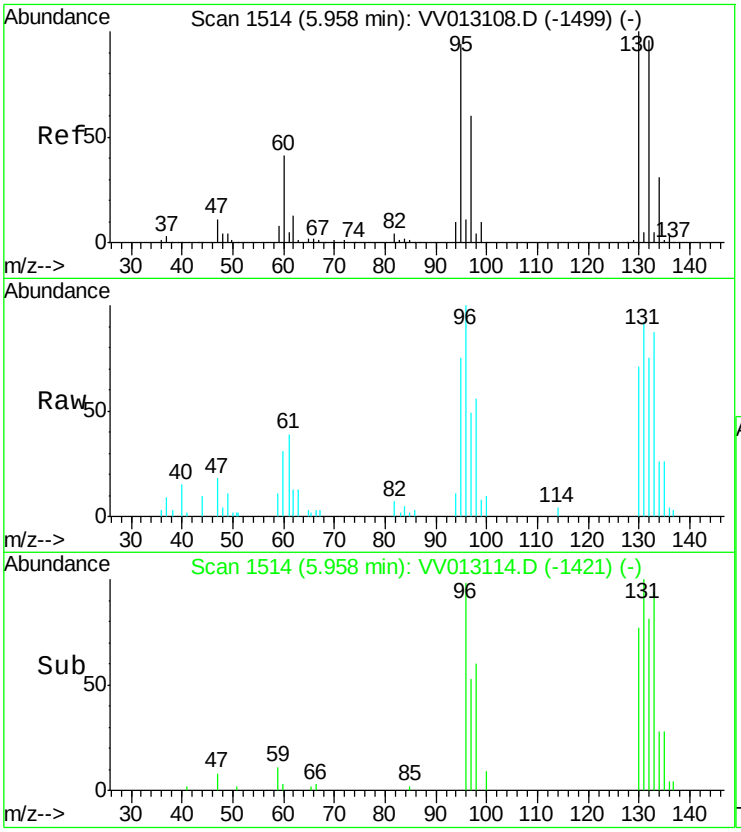


#33
Benzene
Concen: 1.528 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 78 Resp: 31137

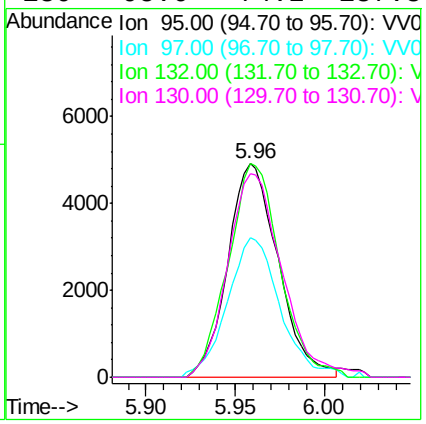




#34
Trichloroethene
Concen: 1.787 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 95 Resp: 9698

Ion	Ratio	Lower	Upper
95	100		
97	65.5	44.7	82.9
132	100.2	71.4	132.6
130	95.6	74.2	137.8



Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

Manual Integrations APPROVED
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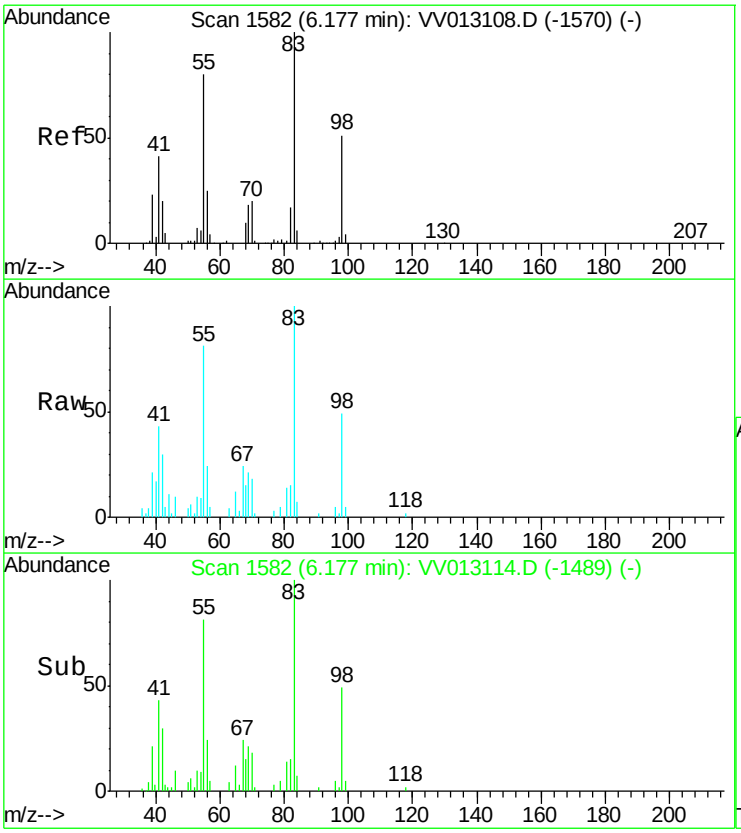
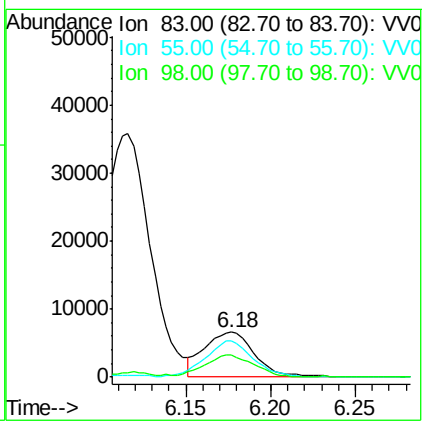
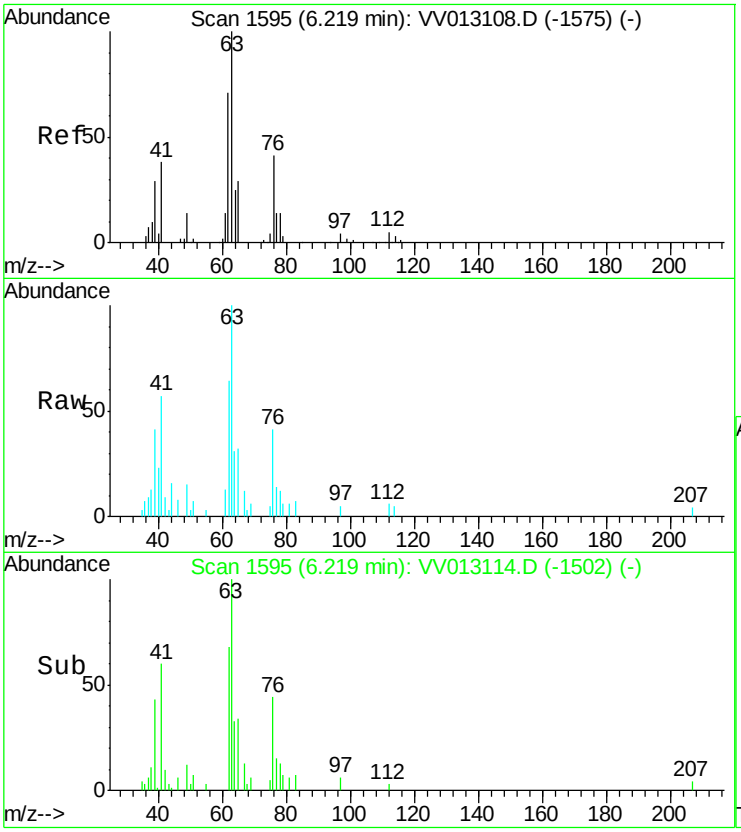


#35
Methylcyclohexane
Concen: 1.688 ug/L m
RT: 6.18 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 83 Resp: 13861

Ion	Ratio	Lower	Upper
83	100		
55	75.5	61.2	91.8
98	47.7	40.1	60.1

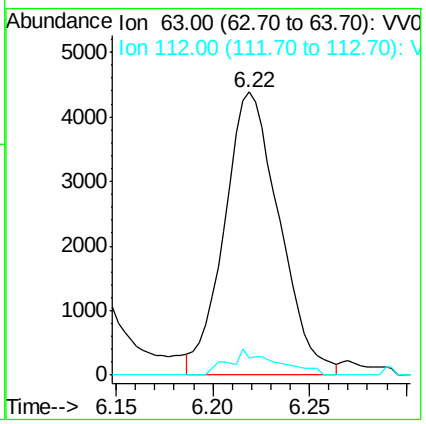




#37
1,2-Dichloropropane
Concen: 1.645 ug/L
RT: 6.22 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 63 Resp: 8685

Ion	Ratio	Lower	Upper
63	100		
112	2.3	3.8	5.8#



Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

Manual Integrations APPROVED
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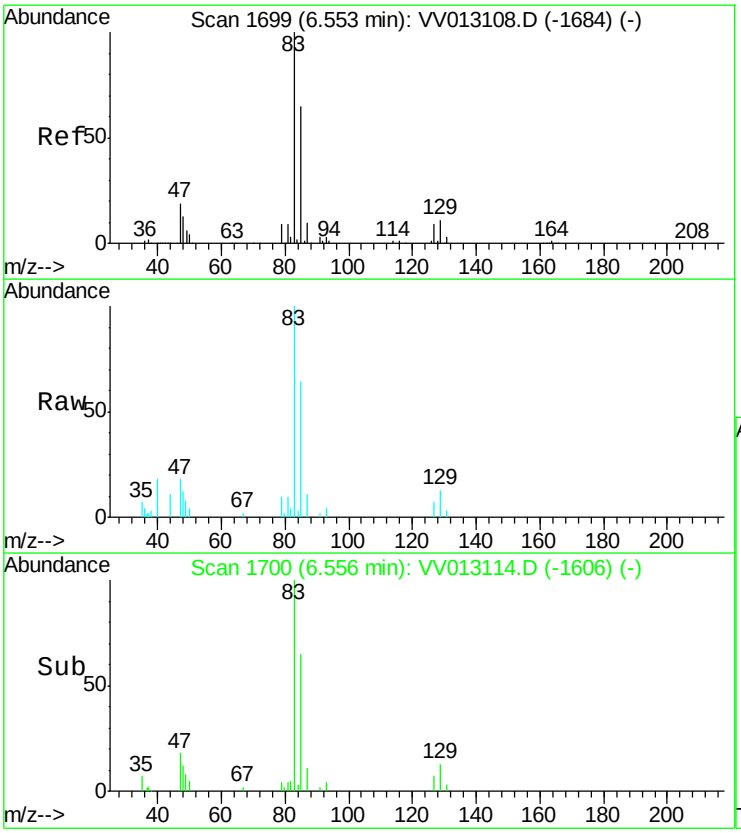
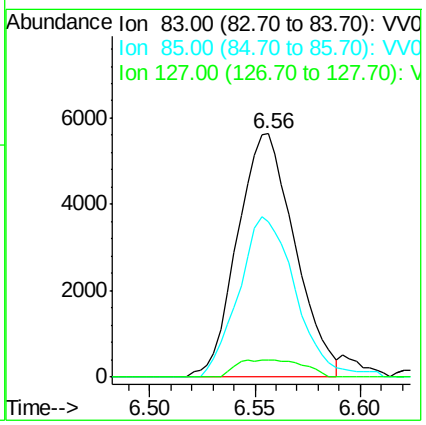
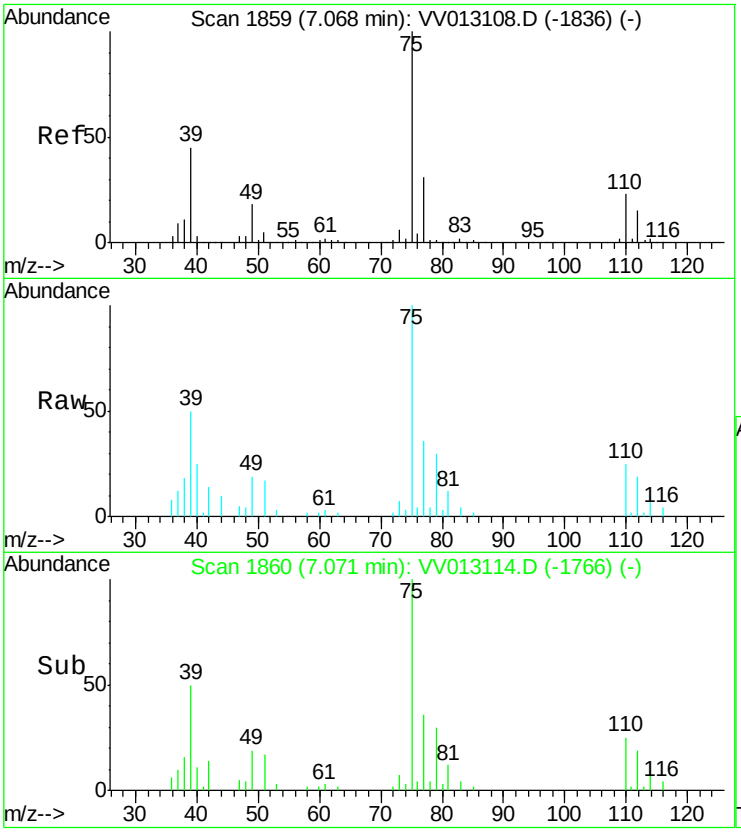


#38
Bromodichloromethane
Concen: 1.591 ug/L
RT: 6.56 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 83 Resp: 10684

Ion	Ratio	Lower	Upper
83	100		
85	63.7	45.8	85.0
127	7.2	7.4	11.0#

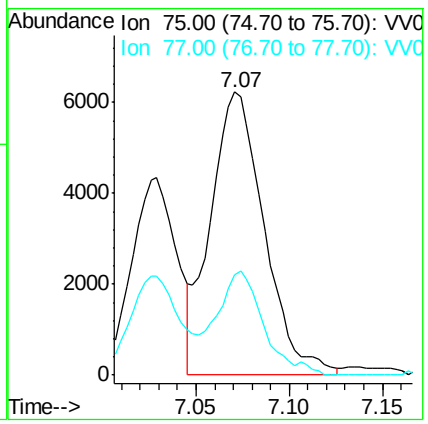




#39
cis-1,3-Dichloropropene
Concen: 1.600 ug/L m
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 75 Resp: 12489

Ion	Ratio	Lower	Upper
75	100		
77	35.6	21.7	40.3



Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

Manual Integrations APPROVED
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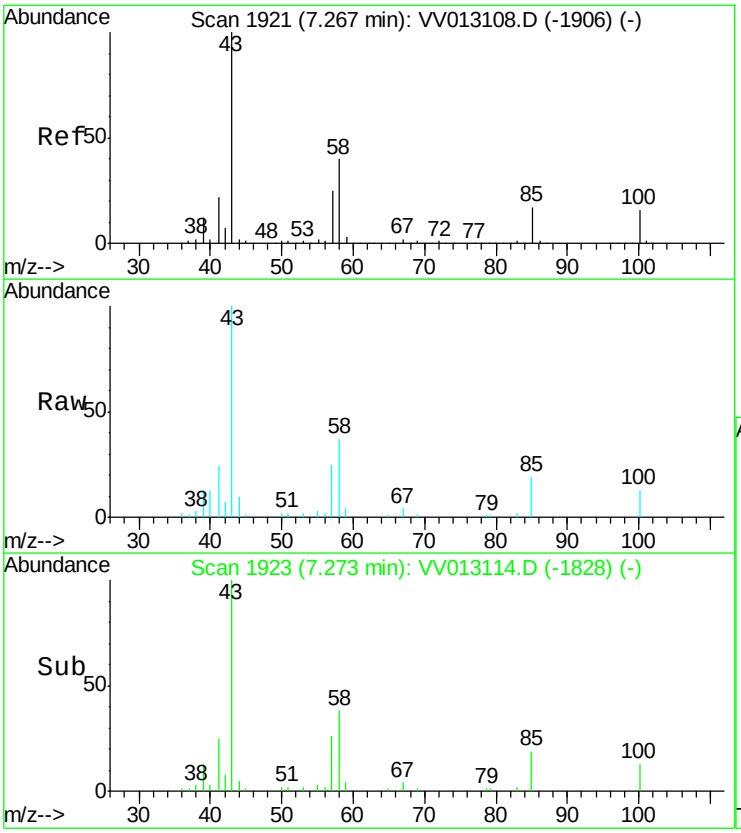
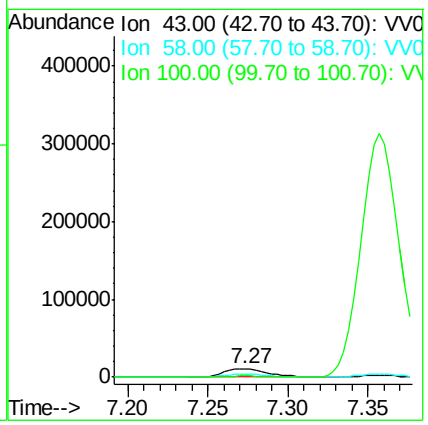
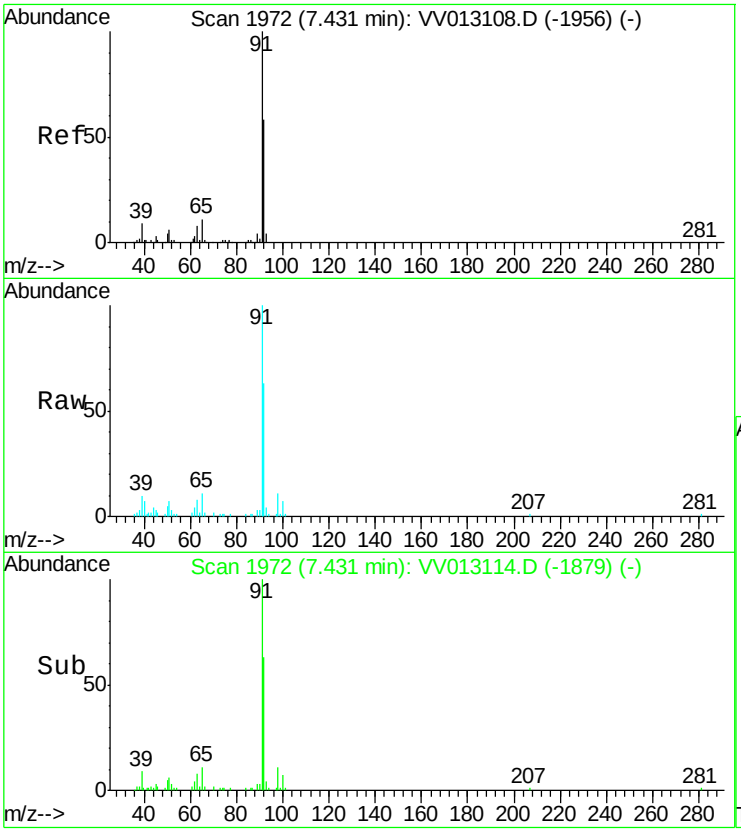


#40
4-Methyl-2-pentanone
Concen: 2.943 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 43 Resp: 20337

Ion	Ratio	Lower	Upper
43	100		
58	37.3	32.0	48.0
100	13.4	12.7	19.1





#42
Toluene
Concen: 1.716 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 91 Resp: 36009

Ion	Ratio	Lower	Upper
91	100		
92	62.7	40.8	75.8

Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

Manual Integrations APPROVED
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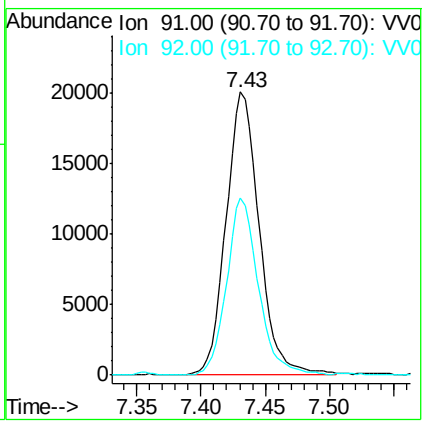
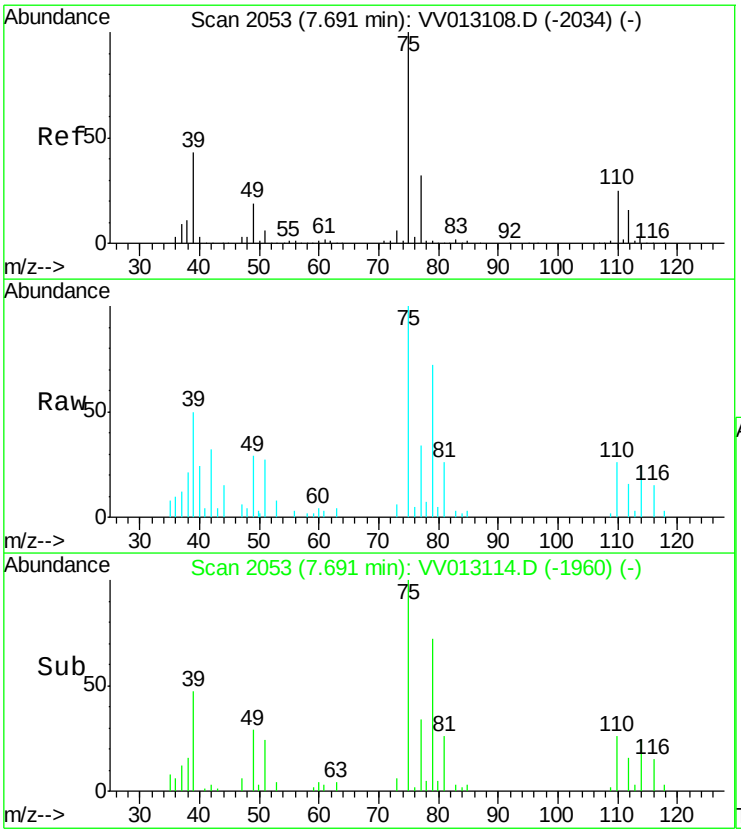
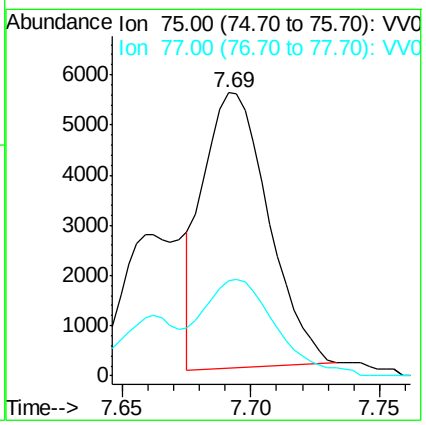


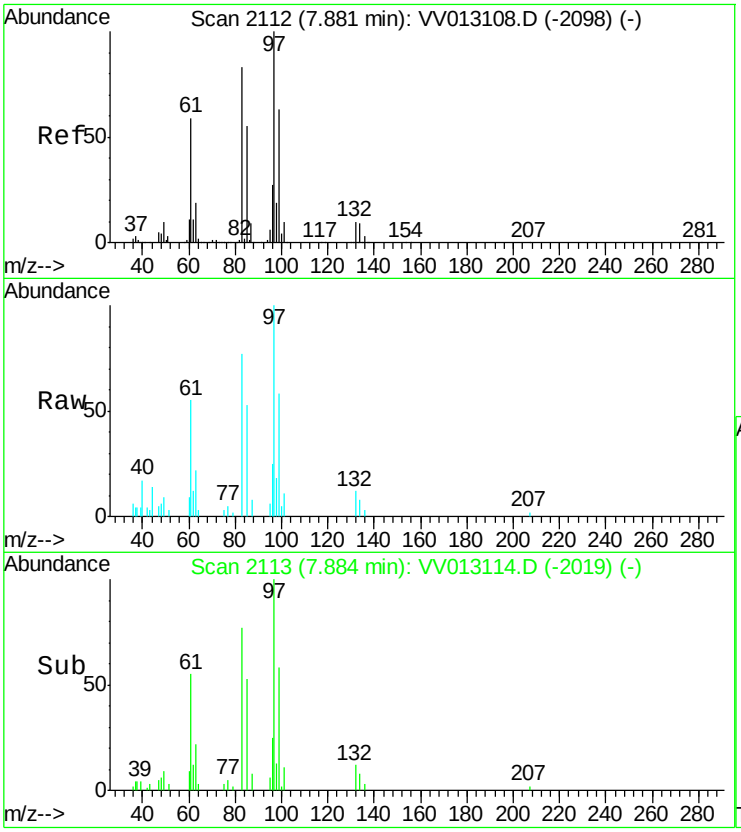


#44
trans-1,3-Dichloropropene
Concen: 1.429 ug/L
RT: 7.69 min Scan# 2053
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 75 Resp: 9673

Ion	Ratio	Lower	Upper
75	100		
77	33.6	22.0	41.0

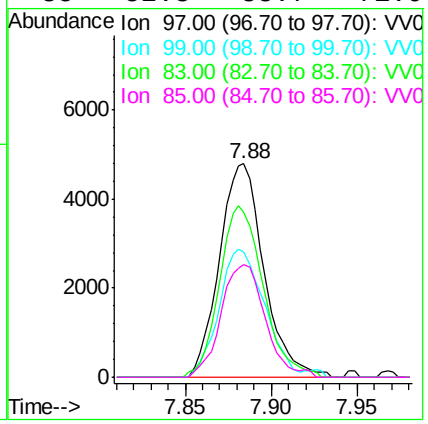




#45
1,1,2-Trichloroethane
Concen: 1.722 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 97 Resp: 8630

Ion	Ratio	Lower	Upper
97	100		
99	58.5	44.4	82.5
83	77.1	58.2	108.0
85	52.8	38.7	71.9



Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

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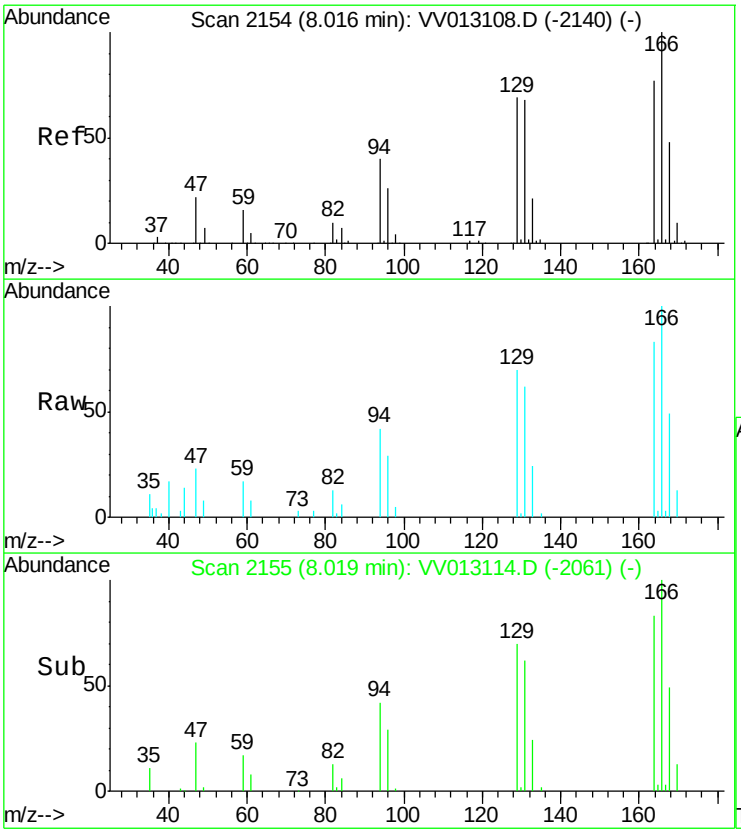
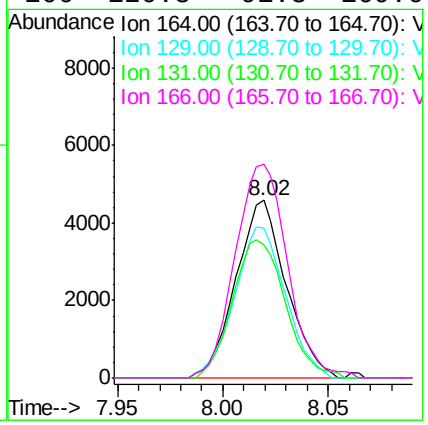
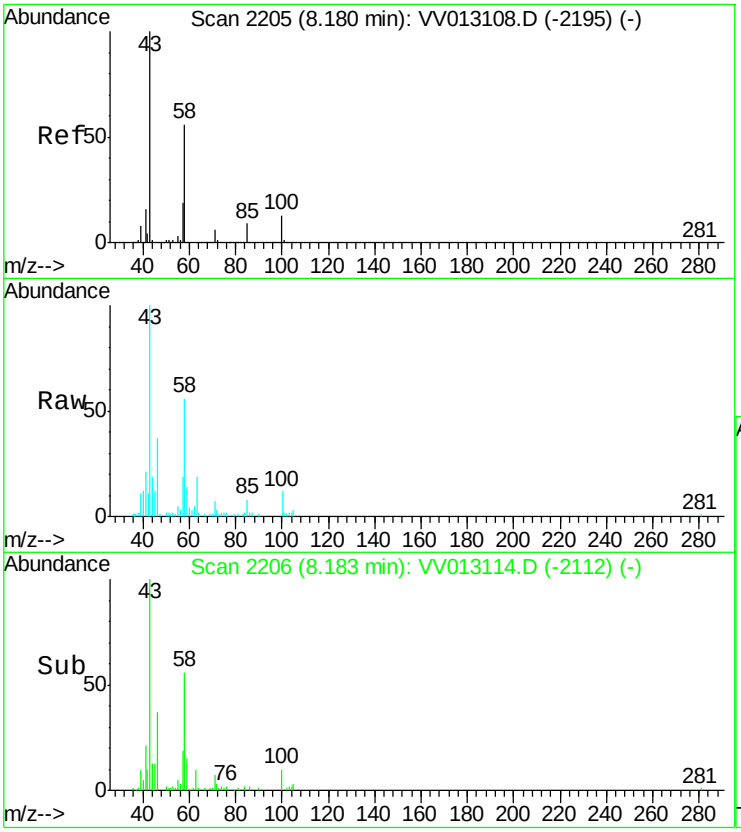


#46
Tetrachloroethene
Concen: 1.776 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion:164 Resp: 7630

Ion	Ratio	Lower	Upper
164	100		
129	84.5	63.1	117.1
131	74.8	62.4	116.0
166	120.3	91.3	169.6

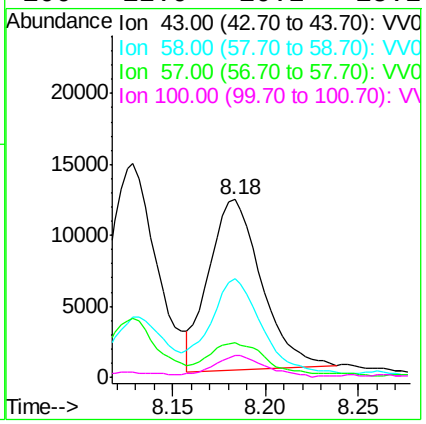




#48
2-Hexanone
Concen: 4.423 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 43 Resp: 23630

Ion	Ratio	Lower	Upper
43	100		
58	53.3	44.9	67.3
57	20.1	15.0	22.6
100	12.9	10.2	15.2



Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

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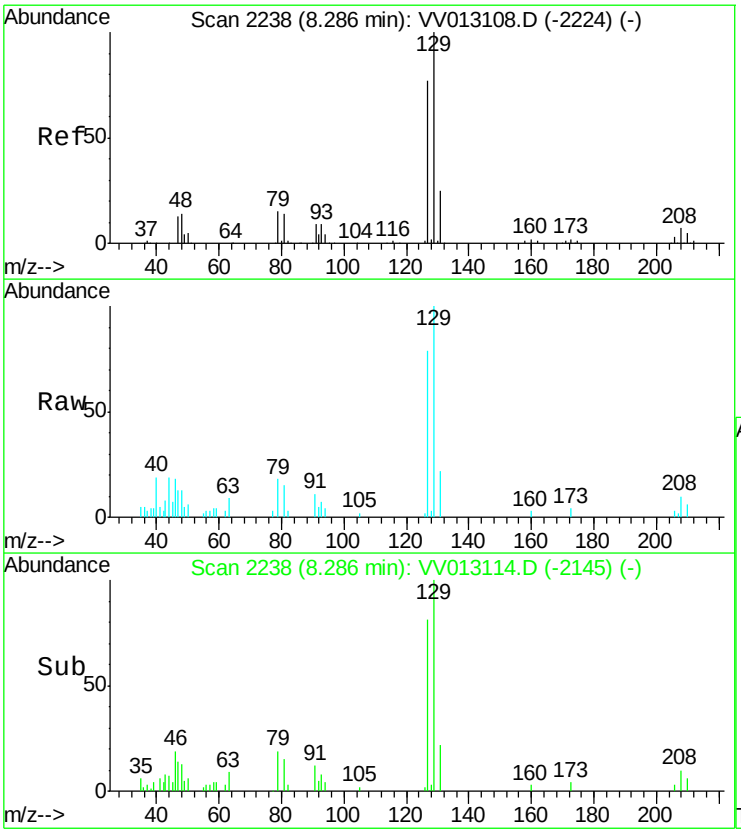
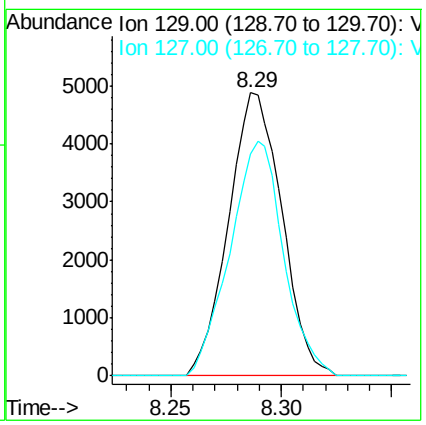
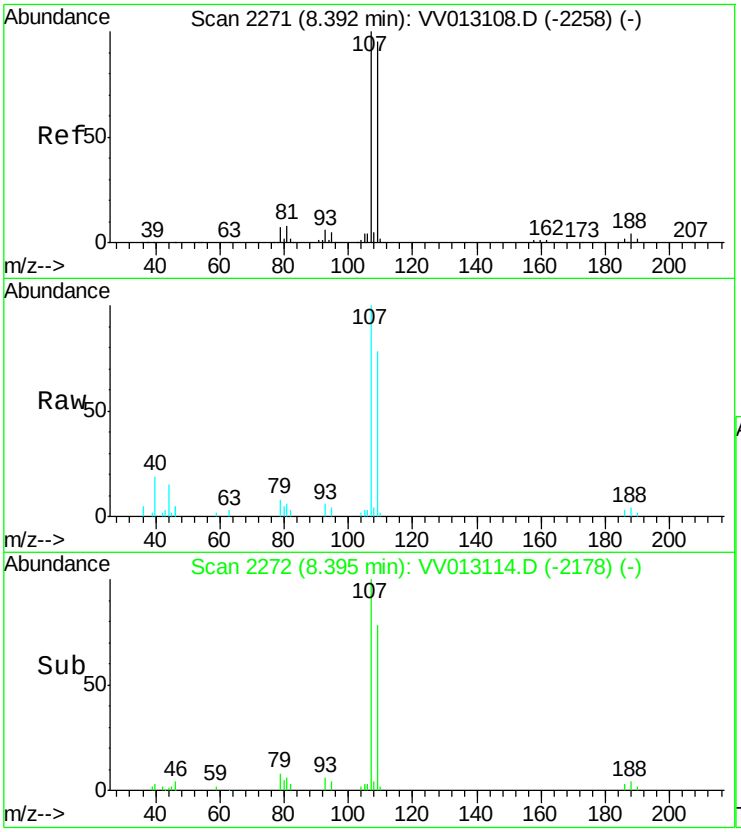


#49
Dibromochloromethane
Concen: 1.502 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion:129 Resp: 8205

Ion	Ratio	Lower	Upper
129	100		
127	78.5	54.0	100.4

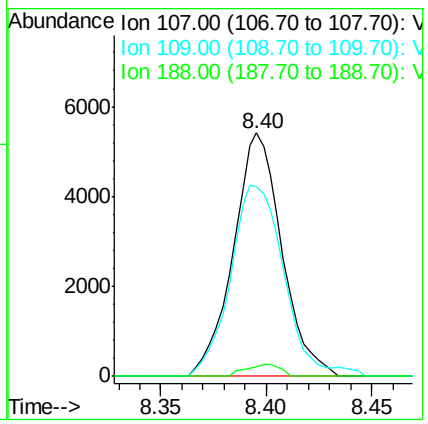




#50
1,2-Dibromoethane
Concen: 1.649 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion:107 Resp: 8636

Ion	Ratio	Lower	Upper
107	100		
109	78.2	66.6	123.6
188	4.1	3.4	5.2



Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

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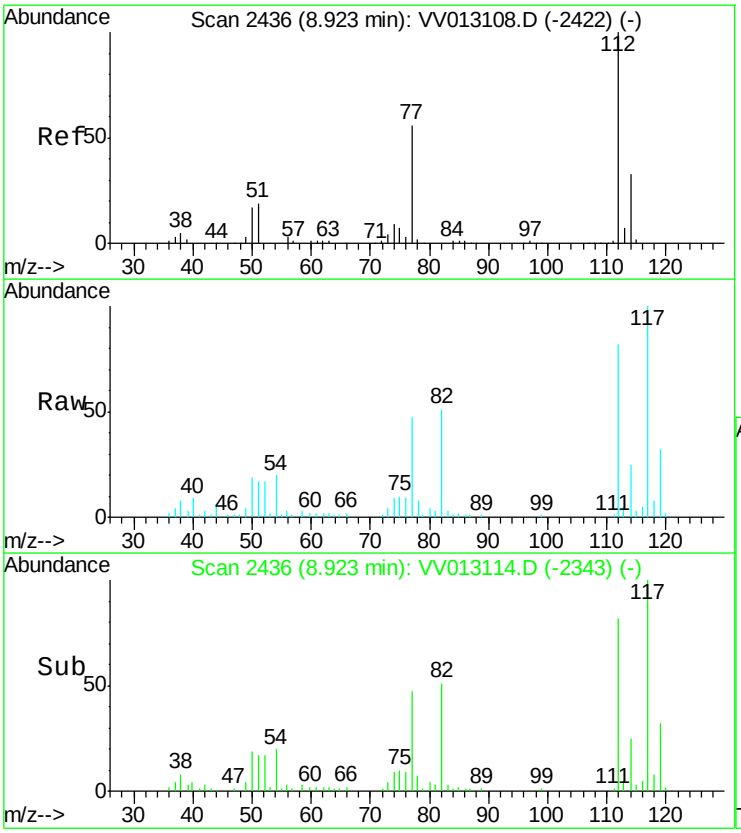
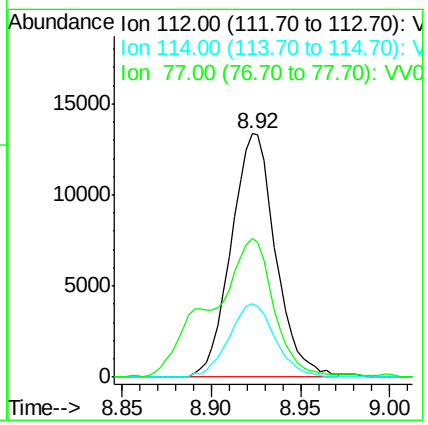
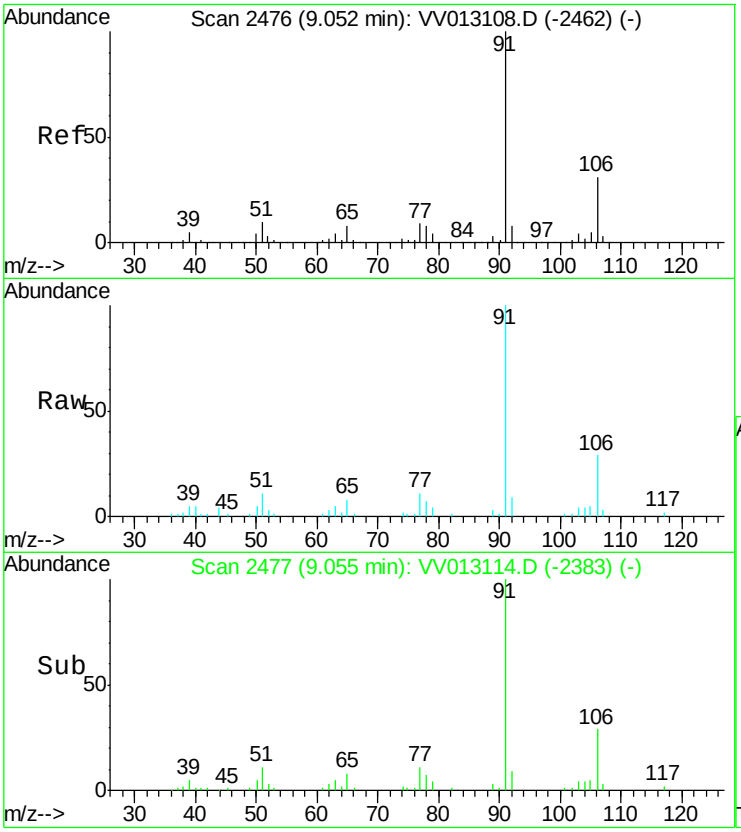


#51
Chlorobenzene
Concen: 1.688 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion:112 Resp: 23223

Ion	Ratio	Lower	Upper
112	100		
114	30.2	22.8	42.4
77	57.0	45.1	67.7

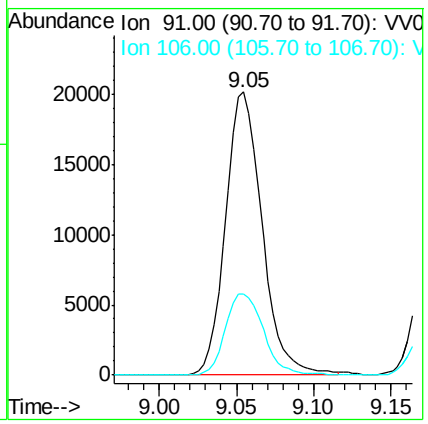




#52
Ethylbenzene
Concen: 1.473 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 91 Resp: 33023

Ion	Ratio	Lower	Upper
91	100		
106	28.9	21.8	40.4



Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

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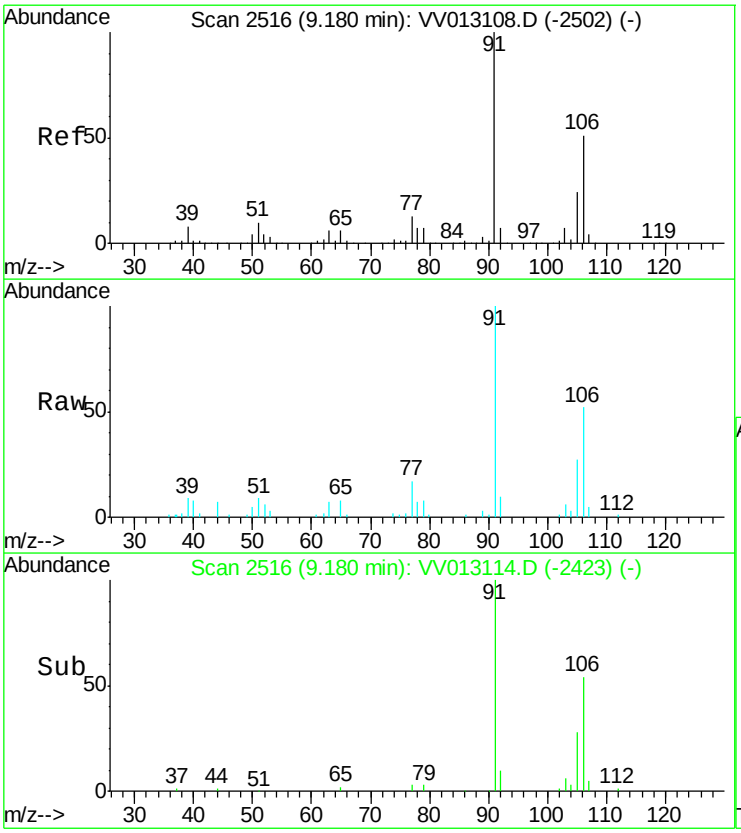
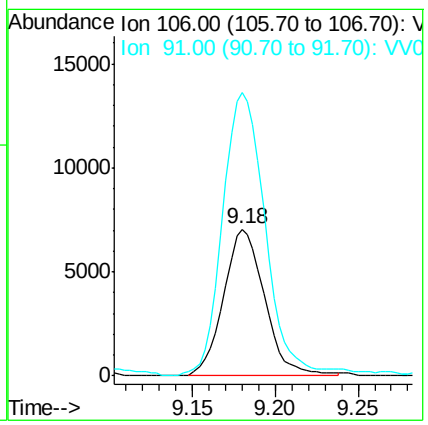
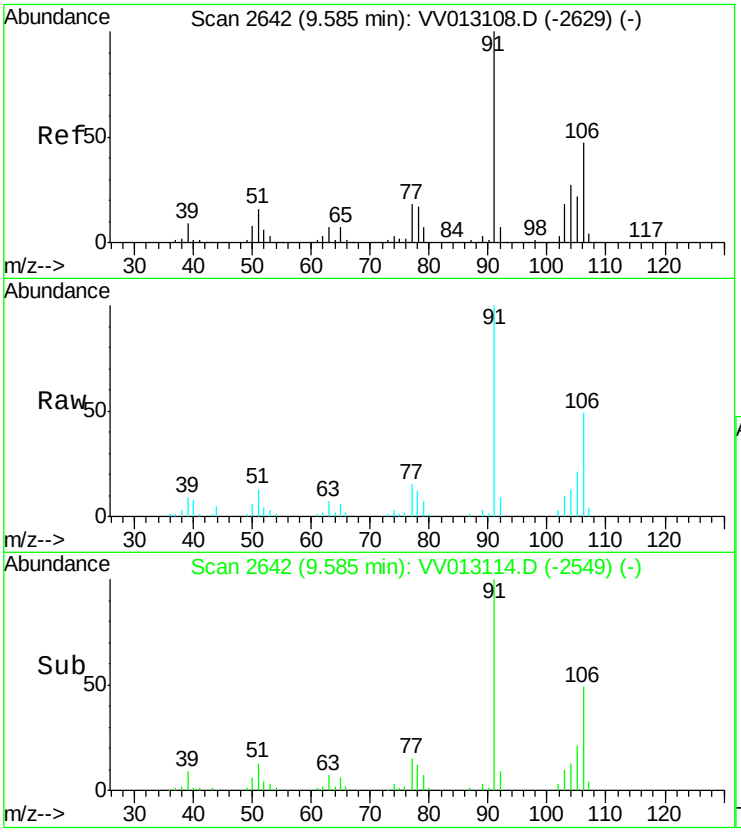


#53
m,p-Xylene
Concen: 1.440 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion:106 Resp: 12146

Ion	Ratio	Lower	Upper
106	100		
91	193.3	137.8	255.8

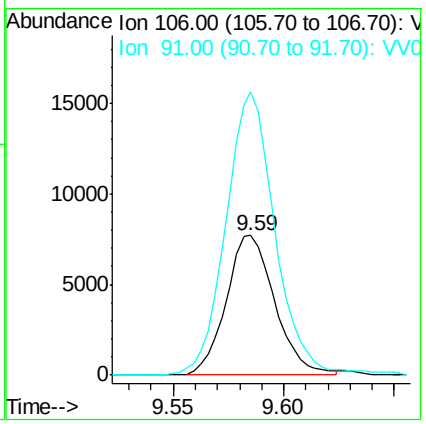




#54
o-xylene
Concen: 1.397 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion:106 Resp: 11806

Ion	Ratio	Lower	Upper
106	100		
91	203.0	147.6	274.2



Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

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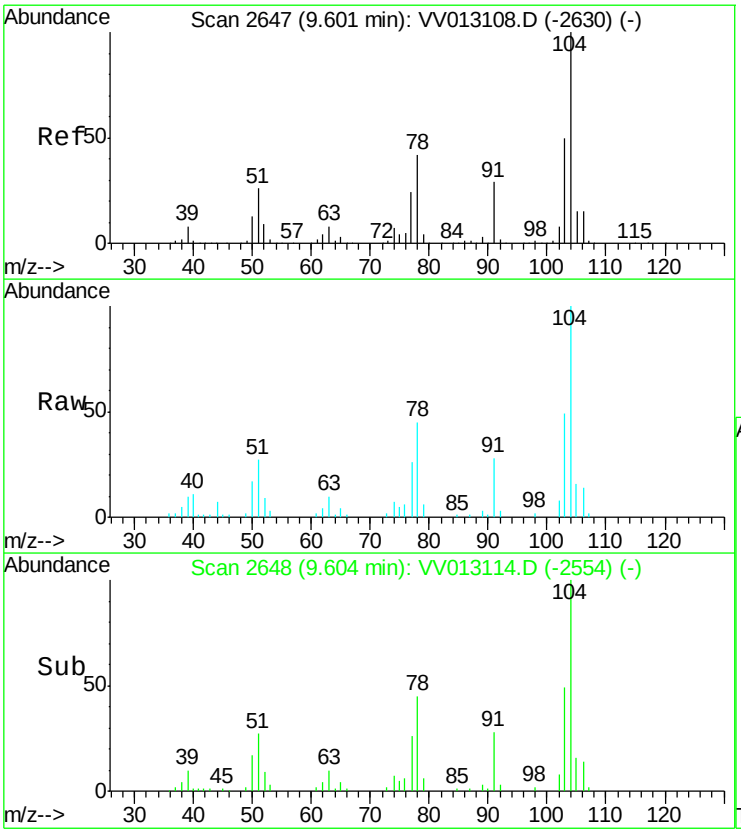
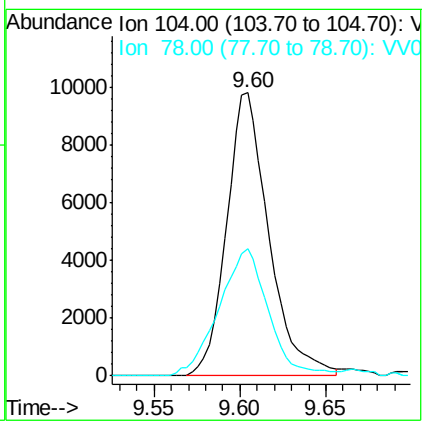
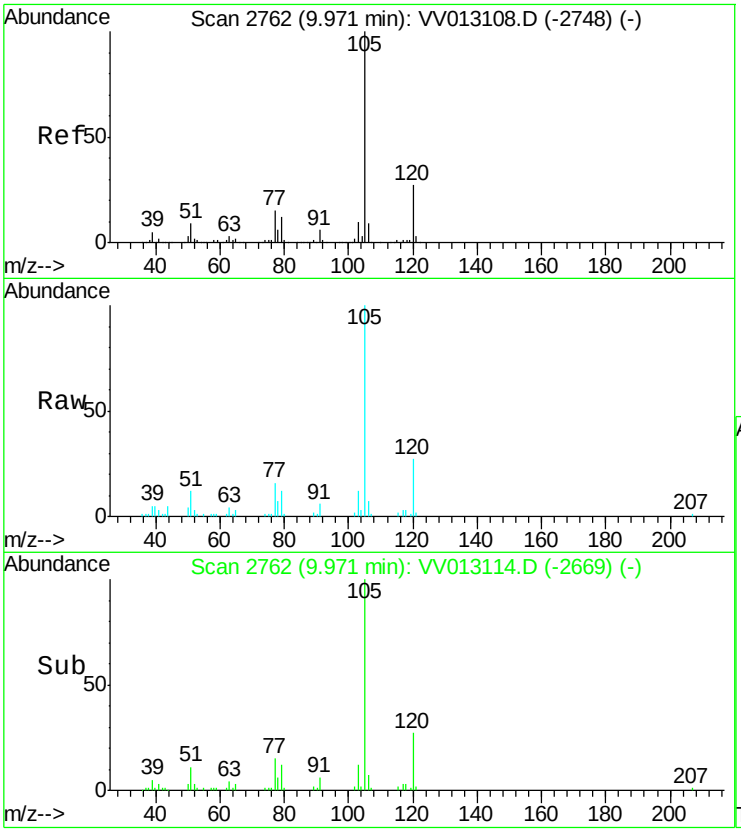


#55
Styrene
Concen: 1.211 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion:104 Resp: 16802

Ion	Ratio	Lower	Upper
104	100		
78	45.0	29.1	54.1

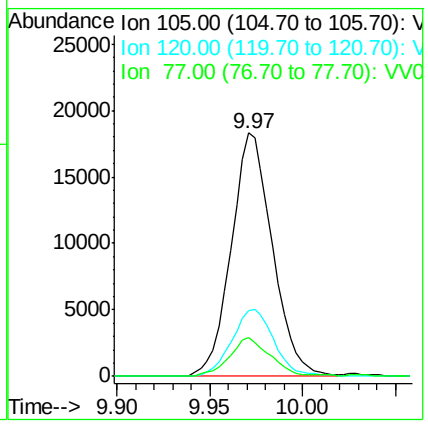




#56
Isopropylbenzene
Concen: 1.301 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion:105 Resp: 28229

Ion	Ratio	Lower	Upper
105	100		
120	28.1	21.4	32.2
77	15.7	12.1	18.1



Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

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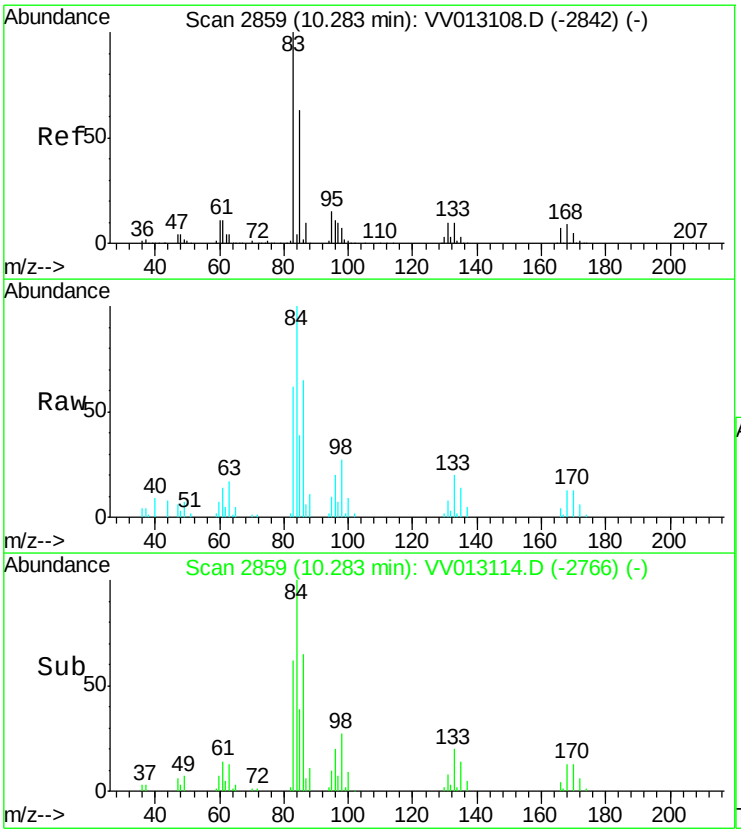
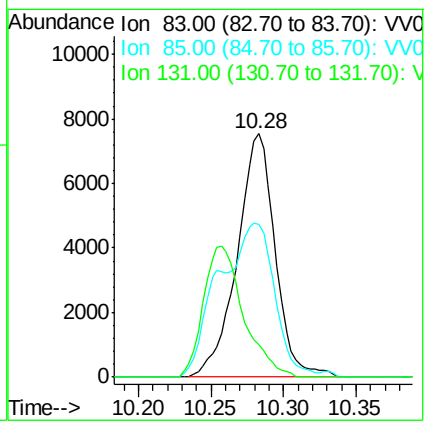
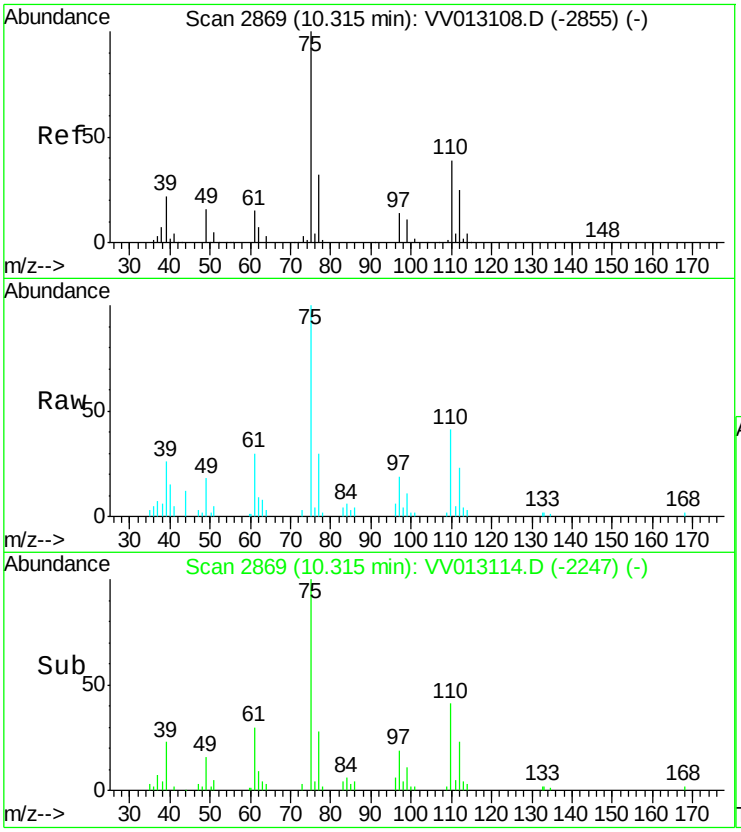


#58
1,1,2,2-Tetrachloroethane
Concen: 1.888 ug/L
RT: 10.28 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 83 Resp: 13755

Ion	Ratio	Lower	Upper
83	100		
85	63.0	44.3	82.3
131	13.3	8.1	12.1#





#59
1,2,3-Trichloropropane
Concen: 1.716 ug/L
RT: 10.31 min Scan# 2869
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 75 Resp: 11025

Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.7	38.5

Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

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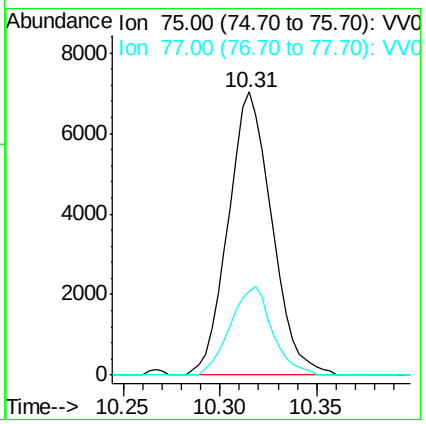
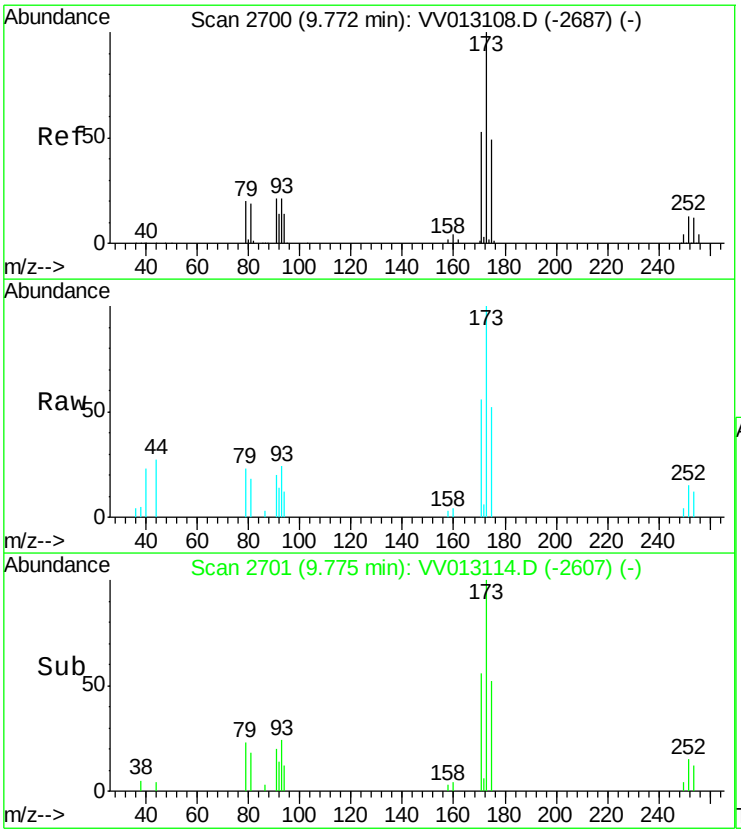
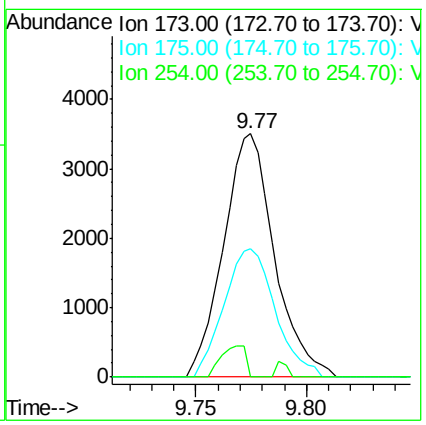


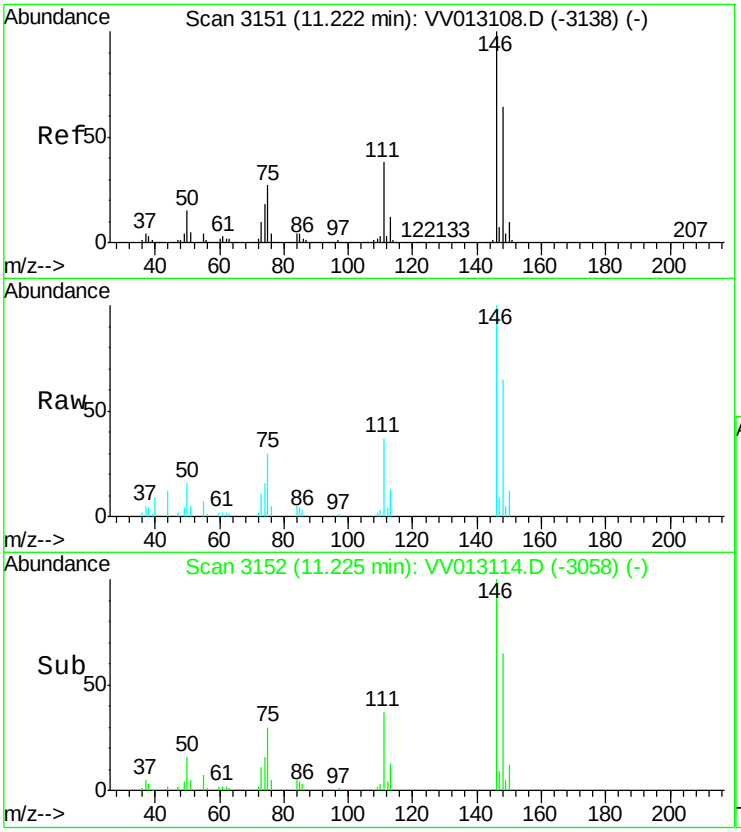


#61
Bromoform
Concen: 1.607 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion:173 Resp: 5635

Ion	Ratio	Lower	Upper
173	100		
175	52.9	38.8	58.2
254	6.1	9.6	14.4#

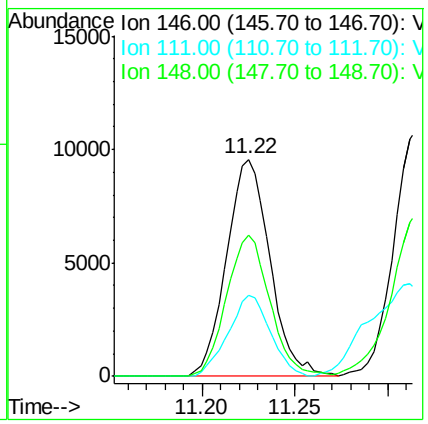




#62
1,3-Dichlorobenzene
Concen: 1.727 ug/L
RT: 11.22 min Scan# 3152
Delta R.T. 0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion:146 Resp: 15568

Ion	Ratio	Lower	Upper
146	100		
111	37.4	26.6	49.4
148	65.2	44.6	82.8



Instrument :
MSVOA_V
ClientSampleId :
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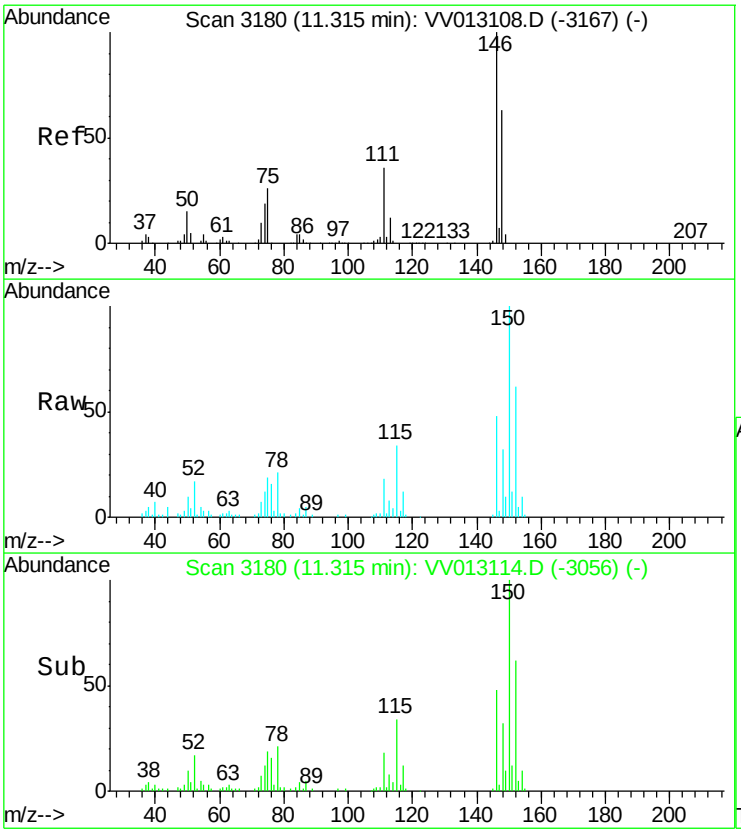
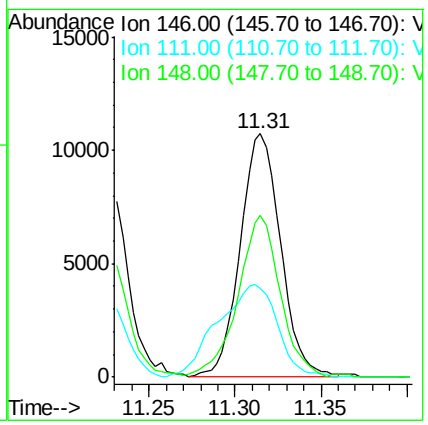
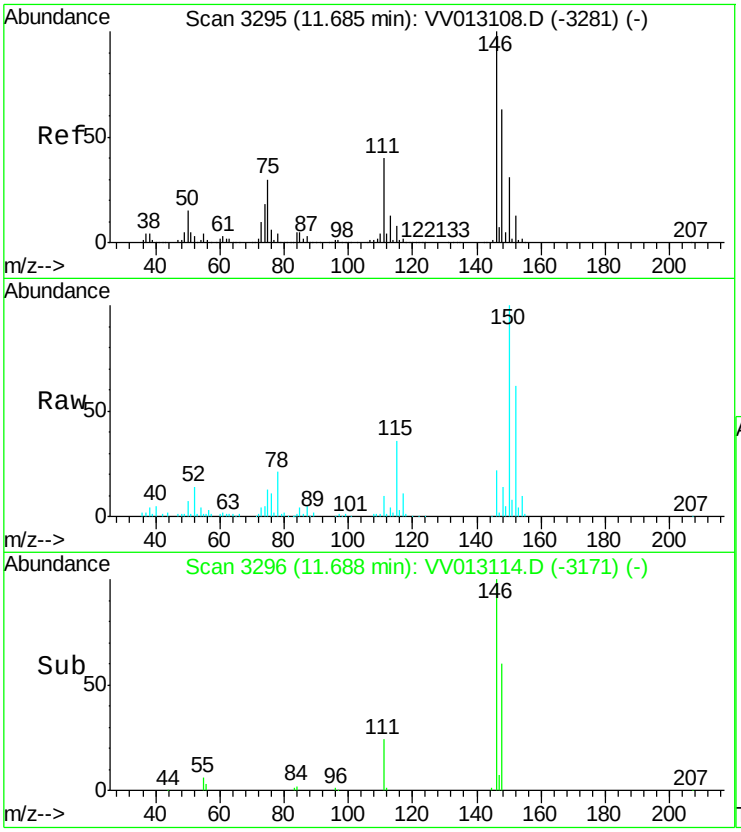


#63
1,4-Dichlorobenzene
Concen: 1.939 ug/L
RT: 11.31 min Scan# 3180
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion:146 Resp: 17547

Ion	Ratio	Lower	Upper
146	100		
111	36.4	25.4	47.2
148	66.3	44.2	82.2





#65
1,2-Dichlorobenzene
Concen: 1.900 ug/L
RT: 11.69 min Scan# 3296
Delta R.T. 0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion:146 Resp: 17432

Ion	Ratio	Lower	Upper
146	100		
111	44.0	32.2	48.2
148	64.8	50.6	76.0

Instrument :
MSVOA_V
ClientSampleId :
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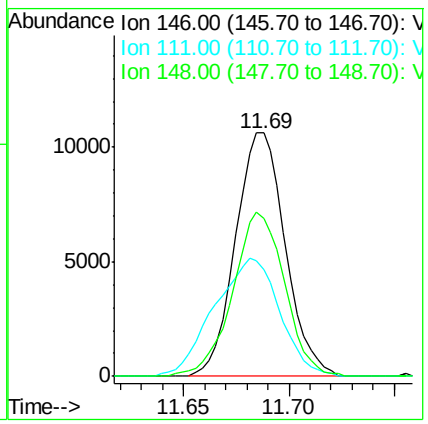
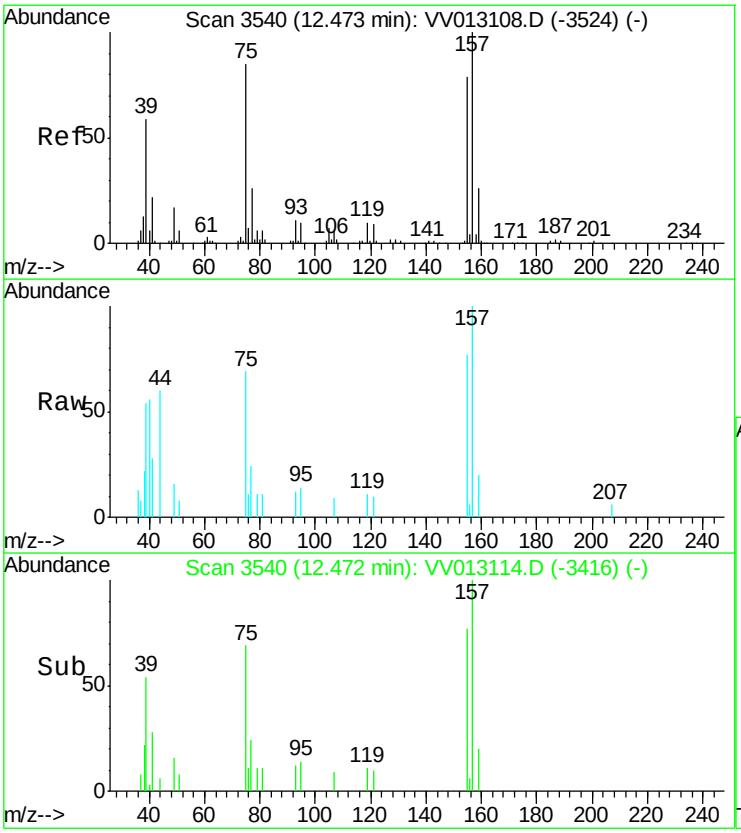
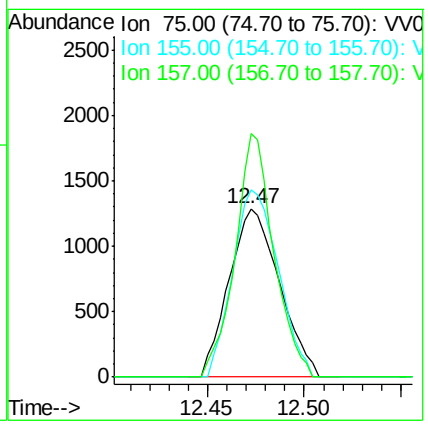


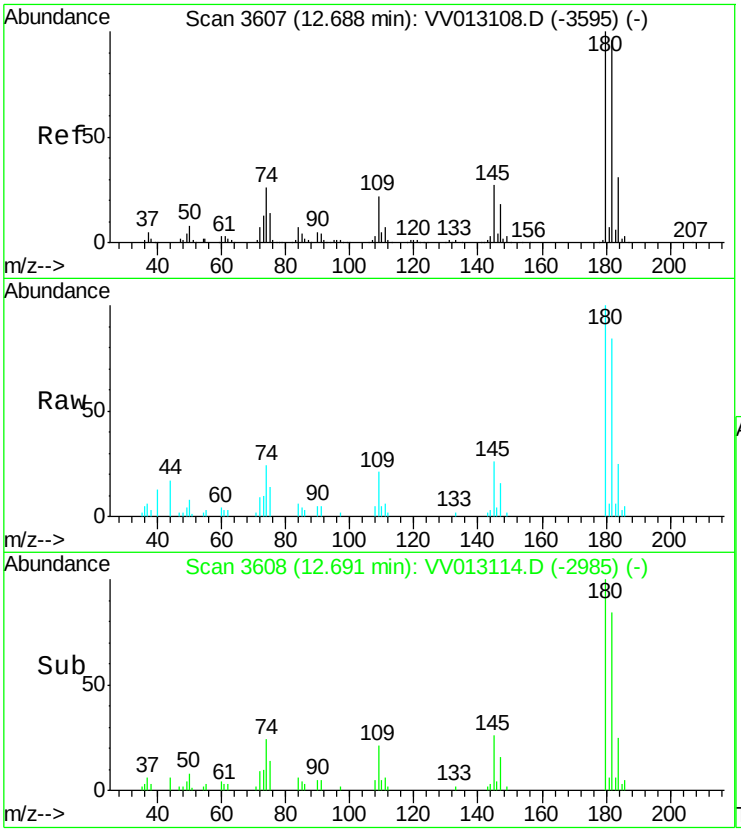


#66
1,2-Dibromo-3-chloropropane
Concen: 1.739 ug/L
RT: 12.47 min Scan# 3540
Delta R.T. -0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion: 75 Resp: 2321

Ion	Ratio	Lower	Upper
75	100		
155	119.8	74.6	111.8#
157	144.7	94.2	141.4#

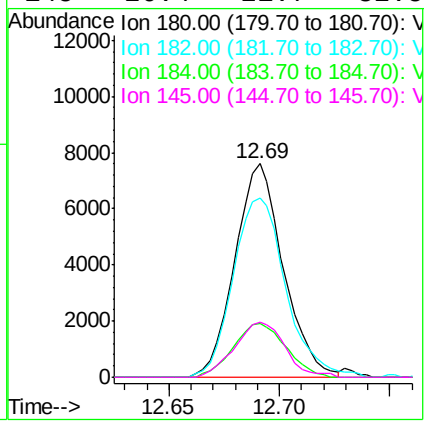




#67
1,3,5-Trichlorobenzene
Concen: 1.809 ug/L
RT: 12.69 min Scan# 3608
Delta R.T. 0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion:180 Resp: 11626

Ion	Ratio	Lower	Upper
180	100		
182	91.1	76.7	115.1
184	27.4	24.3	36.5
145	26.4	21.7	32.5



Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

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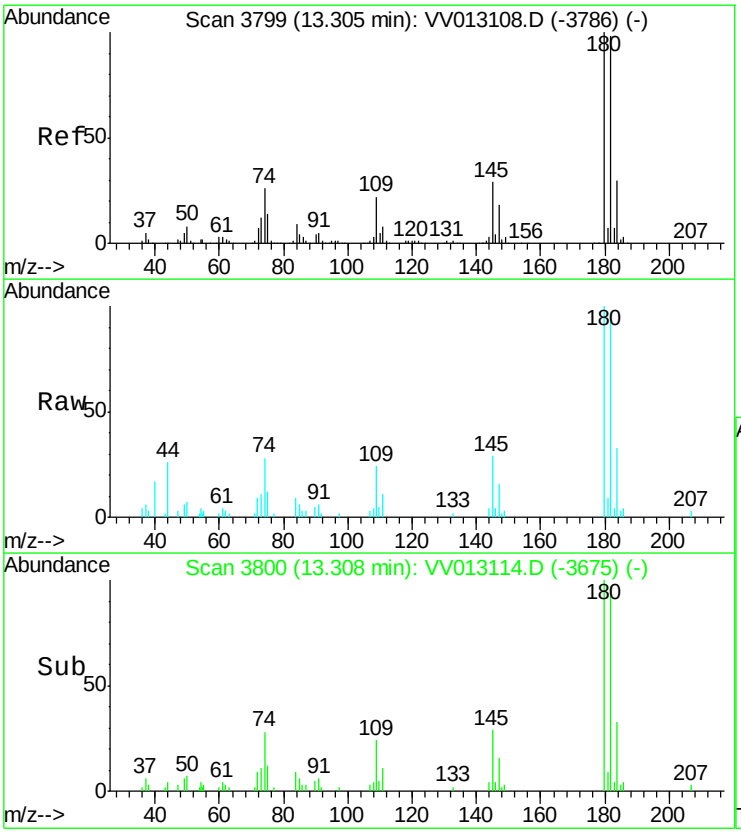
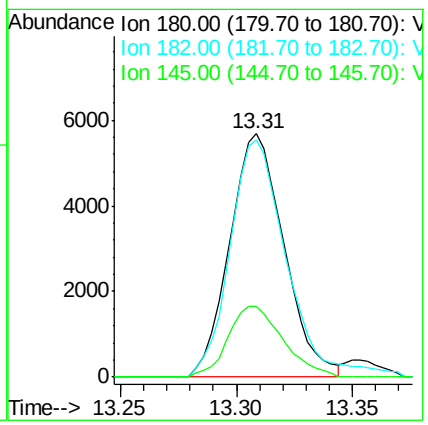
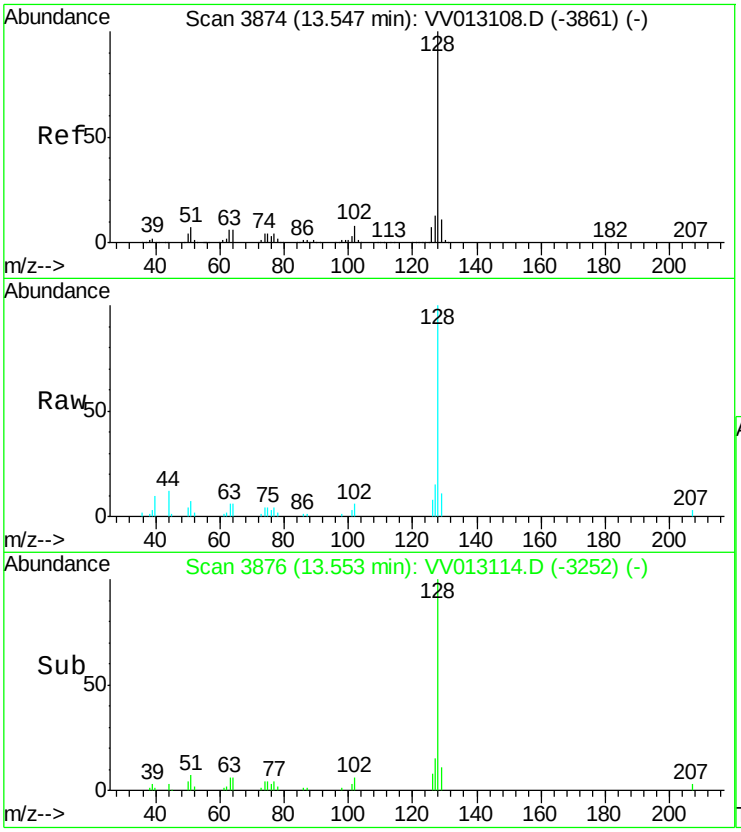


#68
1,2,4-trichlorobenzene
Concen: 1.679 ug/L
RT: 13.31 min Scan# 3800
Delta R.T. 0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion:180 Resp: 9256

Ion	Ratio	Lower	Upper
180	100		
182	101.1	77.4	116.0
145	29.5	22.7	34.1

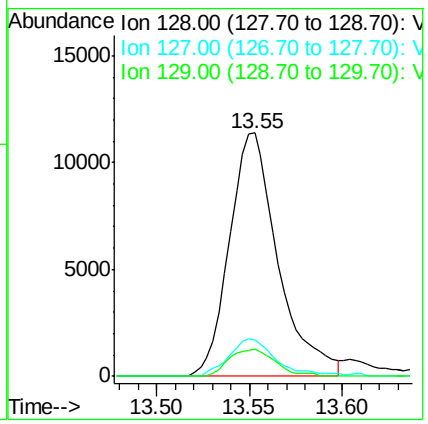




#69
Naphthalene
Concen: 1.367 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.01 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

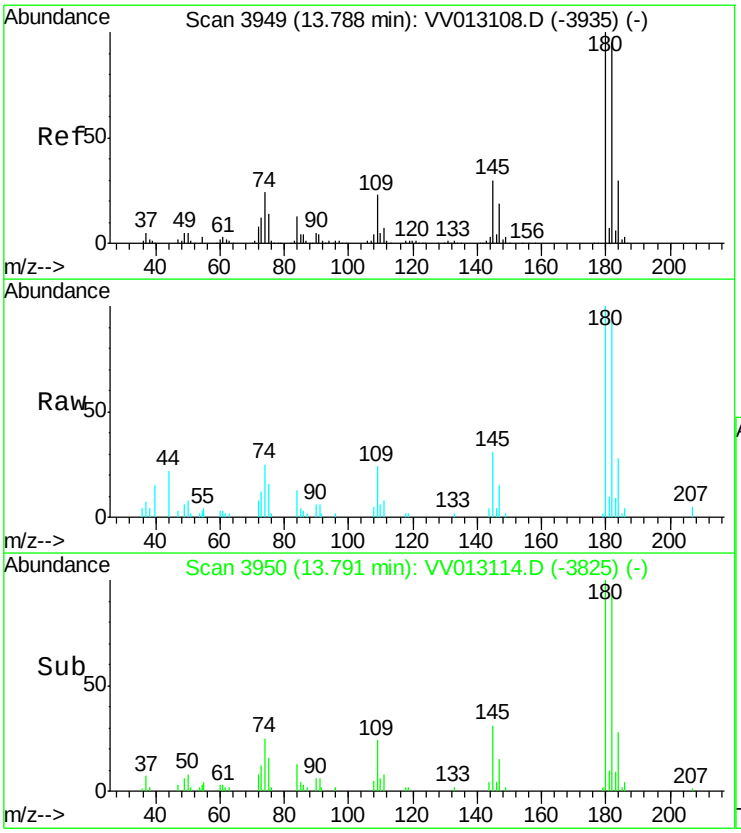
Tgt Ion:128 Resp: 20764

Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.2	15.4
129	10.4	8.6	13.0



Instrument :
MSVOA_V
ClientSampleId :
MDL02 2.5PPB

Manual Integrations APPROVED
MMDadoda
10/14/2019 4:13:27 PM



#70
1,2,3-Trichlorobenzene
Concen: 1.666 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV013114.D
Acq: 11 Oct 2019 21:07

Tgt Ion:180 Resp: 9822

Ion	Ratio	Lower	Upper
180	100		
182	92.0	76.9	115.3
145	31.7	23.8	35.8