Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV021720\
Data File : VV014596.D
Acq On : 17 Feb 2020 16:24
Operator : SY/MD
Sample : MDL05
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : MDL05

Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

Quant Time: Feb 18 07:04:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM021720W.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 18 06:41:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	294548	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	274642	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	135418	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	47114	48.04	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 96.08%			
7) Chloroethane-d5	1.58	69	34848	46.89	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 93.78%			
11) 1,1-Dichloroethene-d2	2.13	63	66015	36.44	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 72.88%			
21) 2-Butanone-d5	3.92	46	96004	100.56	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 100.56%			
24) Chloroform-d	4.40	84	155447	48.05	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.10%			
26) 1,2-Dichloroethane-d4	5.08	65	102783	50.14	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.28%			
32) Benzene-d6	5.10	84	322445	51.30	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.60%			
36) 1,2-Dichloropropane-d6	6.11	67	97278	51.21	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 102.42%			
41) Toluene-d8	7.35	98	305920	51.14	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.28%			
43) trans-1,3-Dichloropropene-	7.66	79	53493	50.14	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 100.28%			
47) 2-Hexanone-d5	8.13	63	76679	102.20	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 102.20%			
56) 1,1,2,2-Tetrachloroethane-	10.25	84	136117	51.38	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 102.76%			
66) 1,2-Dichlorobenzene-d4	11.67	152	120295	52.21	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.42%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	4937	2.412	ug/L	95
3) Chloromethane	1.26	50	3791	2.283	ug/L	89
5) Vinyl chloride	1.32	62	3019	2.327	ug/L #	73
6) Bromomethane	1.53	94	1361	1.931	ug/L	90
8) Chloroethane	1.60	64	1603	2.448	ug/L #	75
9) Trichlorofluoromethane	1.77	101	5135	2.168	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2914	2.962	ug/L #	85
12) 1,1-Dichloroethene	2.14	96	2596	2.799	ug/L #	1
13) Acetone	2.18	43	5000	6.137	ug/L	96
14) Carbon disulfide	2.32	76	10455	2.458	ug/L	99
15) Methyl Acetate	2.46	43	3666	2.371	ug/L #	76
16) Methylene chloride	2.53	84	4769	2.517	ug/L	95
17) trans-1,2-Dichloroethene	2.79	96	4431	2.540	ug/L	88
18) Methyl tert-butyl Ether	2.80	73	13263	2.290	ug/L #	95
19) 1,1-Dichloroethane	3.23	63	7305	2.351	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	4584	2.235	ug/L	96
22) 2-Butanone	4.03	43	5697m	4.592	ug/L	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV021720\
Data File : VV014596.D
Acq On : 17 Feb 2020 16:24
Operator : SY/MD
Sample : MDL05
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

Quant Time: Feb 18 07:04:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM021720W.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 18 06:41:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
23) Bromochloromethane	4.30	128	2337	2.311 ug/L #	83
25) Chloroform	4.43	83	13432	3.815 ug/L	95
27) 1,2-Dichloroethane	5.18	62	5486	2.083 ug/L	98
29) Cyclohexane	4.73	56	6222	2.360 ug/L #	92
30) 1,1,1-Trichloroethane	4.66	97	7121	2.321 ug/L	95
31) Carbon tetrachloride	4.88	117	6328	2.313 ug/L	99
33) Benzene	5.15	78	16636	2.345 ug/L	100
34) Trichloroethene	5.96	95	4914	2.540 ug/L	93
35) Methylcyclohexane	6.18	83	7132	2.370 ug/L	98
37) 1,2-Dichloropropane	6.23	63	3773	2.193 ug/L #	92
38) Bromodichloromethane	6.55	83	6241	2.329 ug/L #	90
39) cis-1,3-Dichloropropene	7.07	75	6808m	2.231 ug/L	
40) 4-Methyl-2-pentanone	7.27	43	9444	4.389 ug/L	99
42) Toluene	7.43	91	18931	2.422 ug/L	92
44) trans-1,3-Dichloropropene	7.69	75	6496m	2.284 ug/L	
45) 1,1,2-Trichloroethane	7.88	97	4362	2.356 ug/L	92
46) Tetrachloroethene	8.01	164	3734	2.413 ug/L	86
48) 2-Hexanone	8.18	43	9090	5.411 ug/L #	74
49) Dibromochloromethane	8.28	129	4812	2.145 ug/L	91
50) 1,2-Dibromoethane	8.39	107	4666	2.293 ug/L #	95
51) Chlorobenzene	8.92	112	12374	2.341 ug/L	94
52) Ethylbenzene	9.05	91	21295	2.370 ug/L	99
53) m,p-Xylene	9.18	106	7942	2.285 ug/L	96
54) o-Xylene	9.58	106	8046	2.404 ug/L	96
55) Styrene	9.60	104	11455	2.010 ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.28	83	7625	2.587 ug/L	95
59) Bromoform	9.77	173	3217	2.105 ug/L #	92
60) Isopropylbenzene	9.97	105	20094	2.338 ug/L	97
61) 1,2,3-Trichloropropane	10.31	75	5384	2.386 ug/L	95
62) 1,3,5-Trimethylbenzene	10.58	105	16320	2.223 ug/L	97
63) 1,2,4-Trimethylbenzene	10.95	105	15239	2.125 ug/L	96
64) 1,3-Dichlorobenzene	11.22	146	10163	2.467 ug/L	92
65) 1,4-Dichlorobenzene	11.31	146	10469	2.481 ug/L	97
67) 1,2-Dichlorobenzene	11.68	146	9624	2.374 ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.48	75	1553	2.290 ug/L	87
69) 1,3,5-Trichlorobenzene	12.69	180	6502	2.185 ug/L	98
70) 1,2,4-trichlorobenzene	13.31	180	5811	2.160 ug/L	94
71) Naphthalene	13.55	128	15591	1.893 ug/L	98
72) 1,2,3-Trichlorobenzene	13.79	180	5404	2.058 ug/L	94

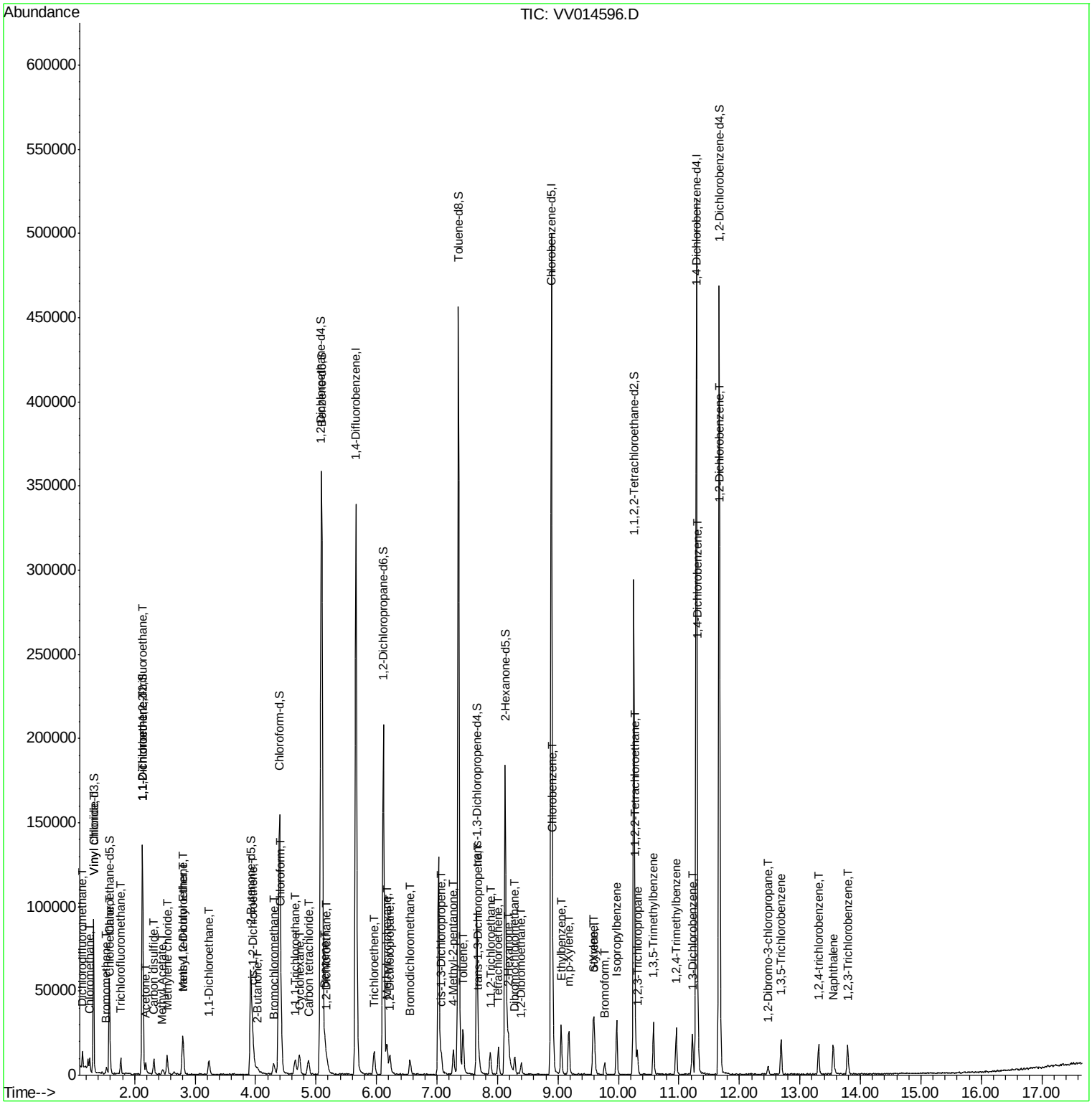
(#) = qualifier out of range (m) = manual integration (+) = signals summed

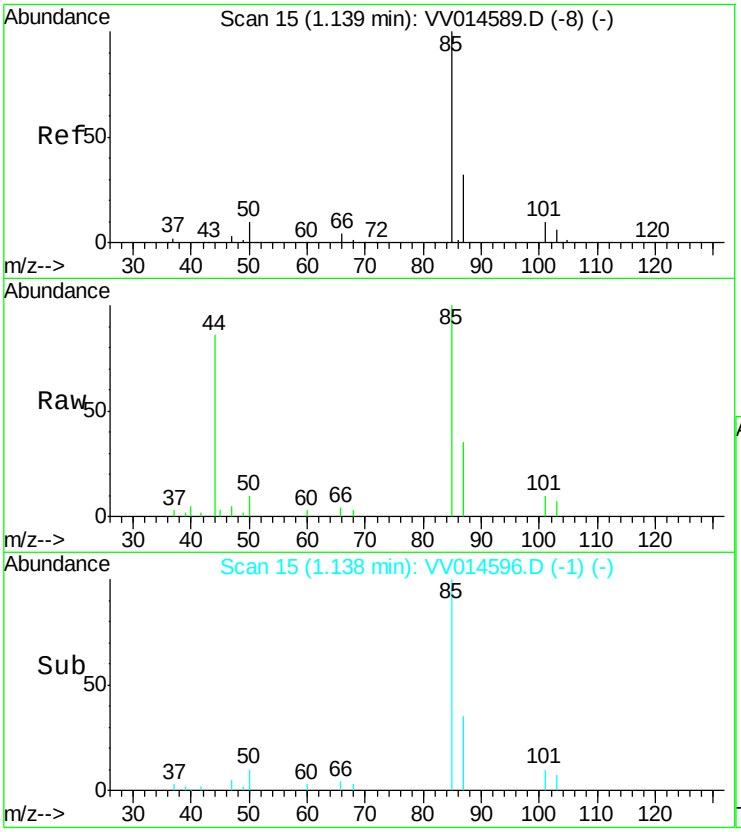
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV021720\
Data File : VV014596.D
Acq On : 17 Feb 2020 16:24
Operator : SY/MD
Sample : MDL05
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 18 07:04:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM021720W.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 18 06:41:33 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

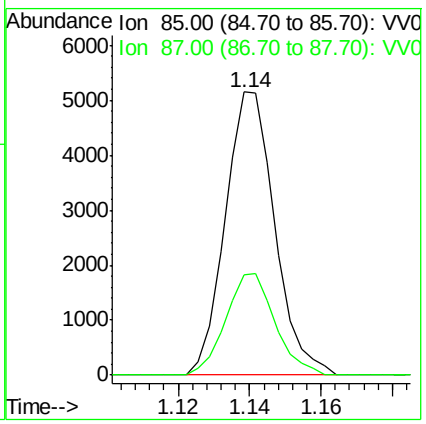




#2
Dichlorodifluoromethane
Concen: 2.412 ug/L
RT: 1.14 min Scan# 15
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

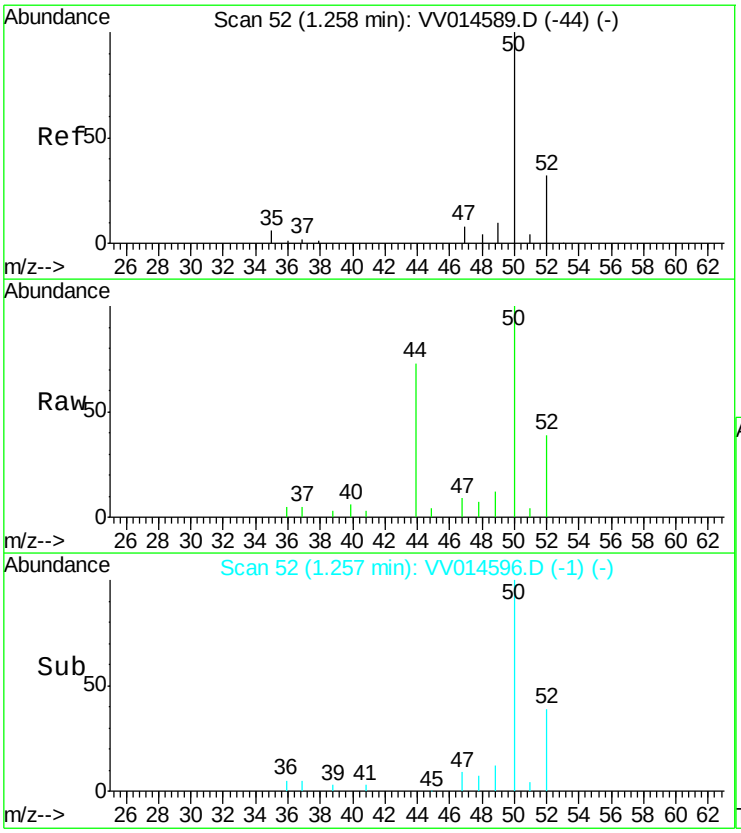
Tgt Ion: 85 Resp: 4937

Ion	Ratio	Lower	Upper
85	100		
87	35.8	26.2	39.4



Instrument :
MSVOA_V
ClientSampleId :
MDL05

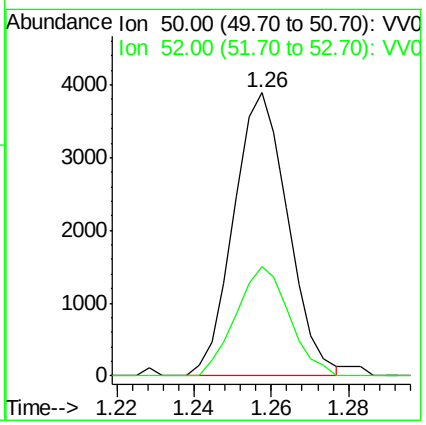
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

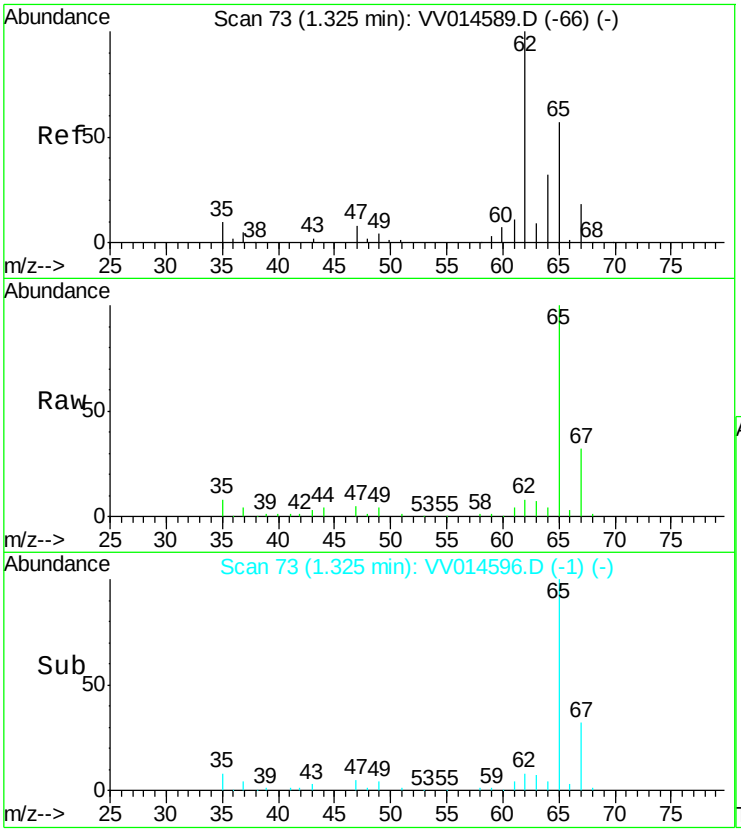


#3
Chloromethane
Concen: 2.283 ug/L
RT: 1.26 min Scan# 52
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion: 50 Resp: 3791

Ion	Ratio	Lower	Upper
50	100		
52	38.5	22.6	42.0

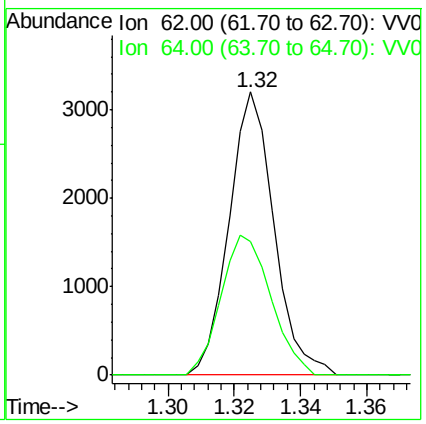




#5
Vinyl chloride
Concen: 2.327 ug/L
RT: 1.32 min Scan# 73
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

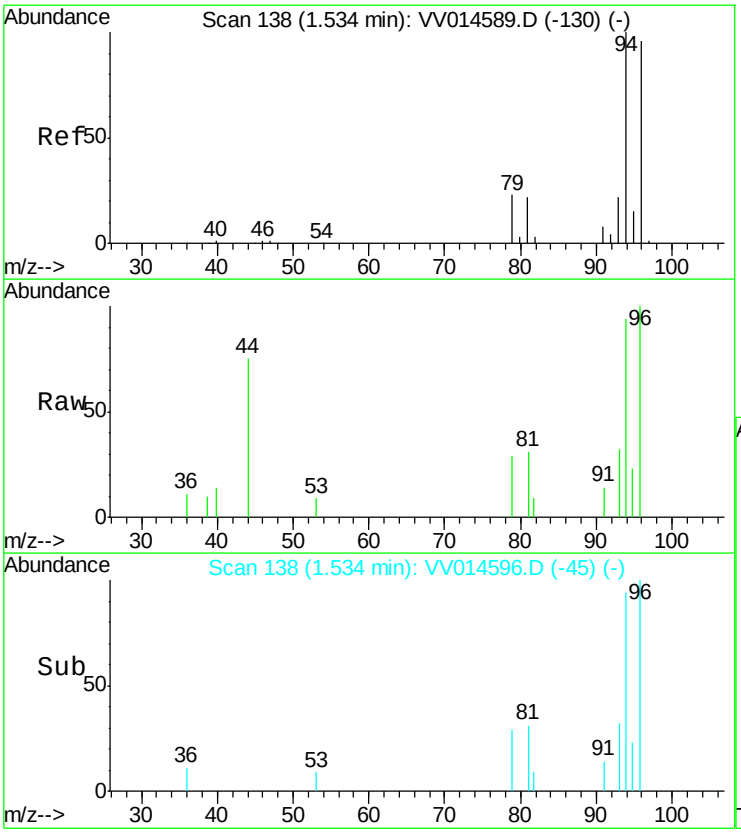
Tgt Ion: 62 Resp: 3019

Ion	Ratio	Lower	Upper
62	100		
64	47.4	22.6	42.0#



Instrument :
MSVOA_V
ClientSampleId :
MDL05

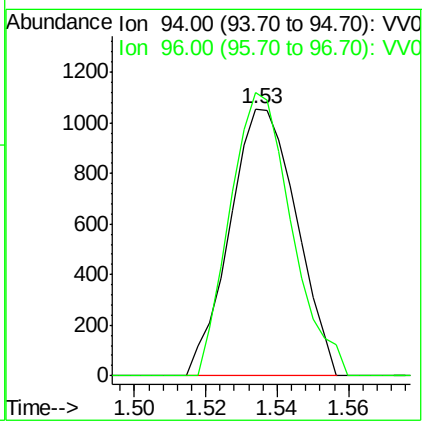
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

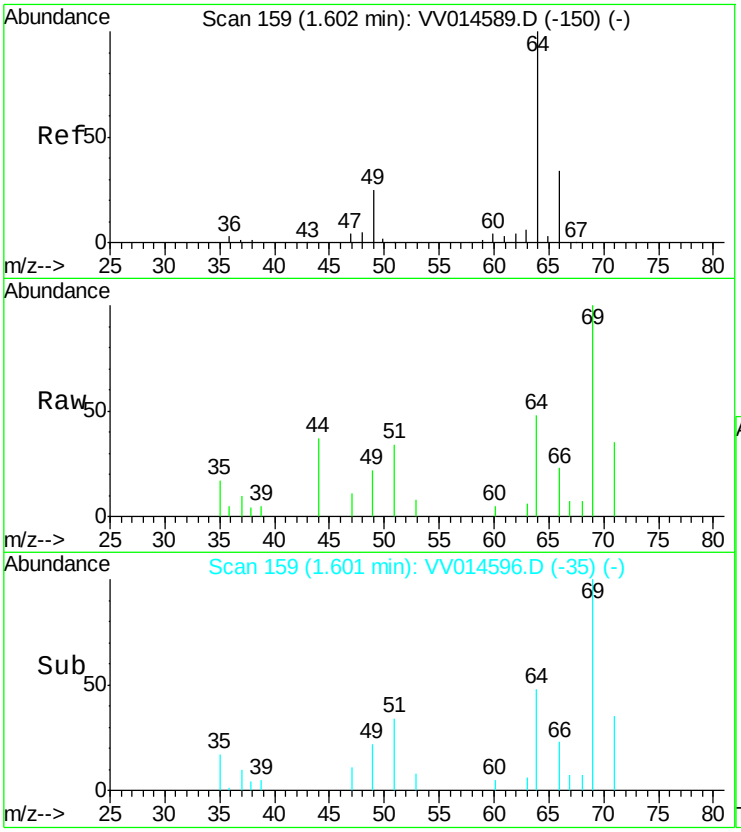


#6
Bromomethane
Concen: 1.931 ug/L
RT: 1.53 min Scan# 138
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion: 94 Resp: 1361

Ion	Ratio	Lower	Upper
94	100		
96	106.1	67.4	125.2

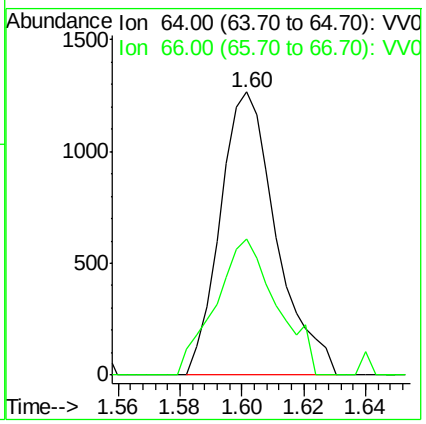




#8
Chloroethane
Concen: 2.448 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

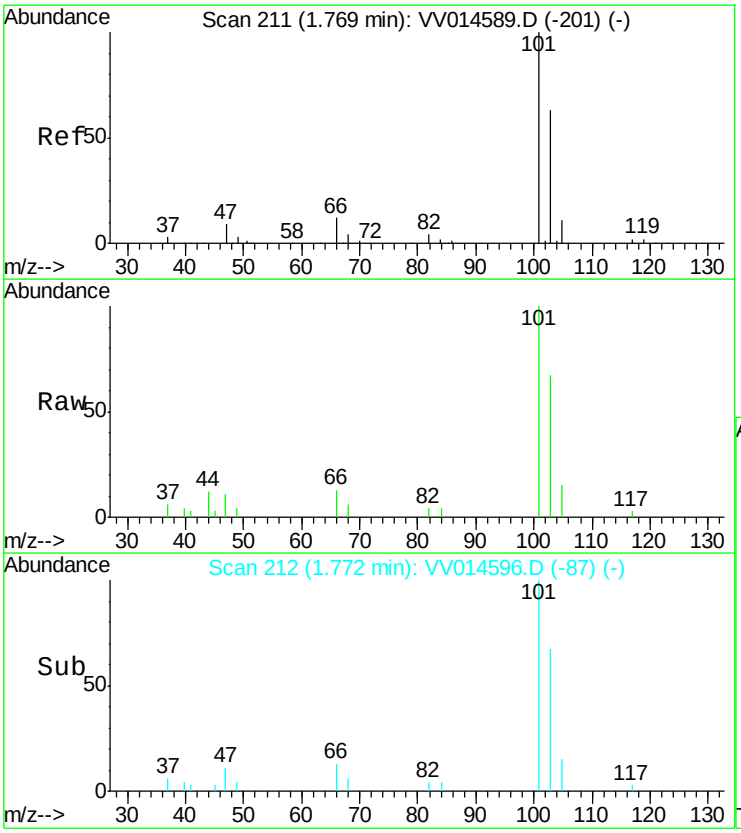
Tgt Ion: 64 Resp: 1603

Ion	Ratio	Lower	Upper
64	100		
66	47.9	23.6	43.8#



Instrument :
MSVOA_V
ClientSampleId :
MDL05

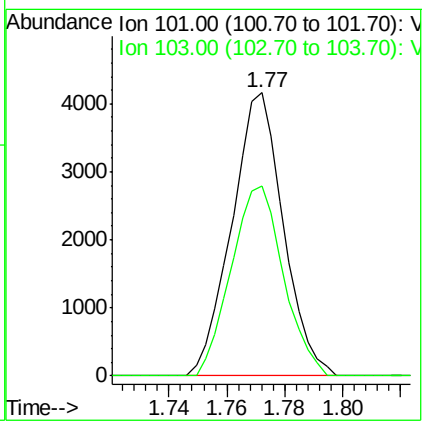
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

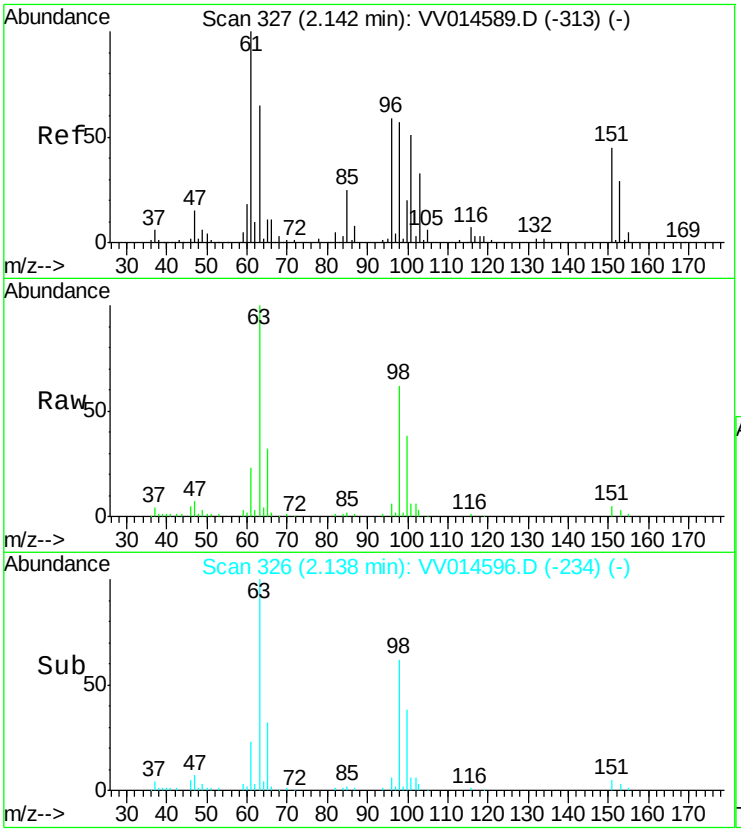


#9
Trichlorofluoromethane
Concen: 2.168 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion:101 Resp: 5135

Ion	Ratio	Lower	Upper
101	100		
103	67.8	51.4	77.0





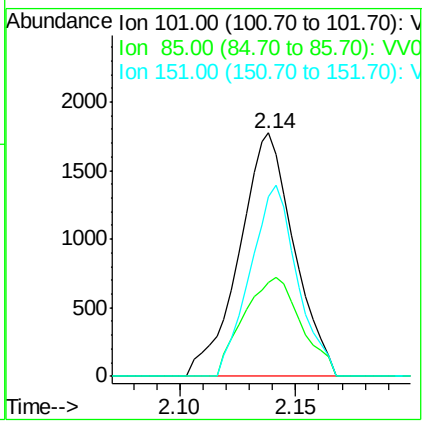
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.962 ug/L
RT: 2.14 min Scan# 326
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

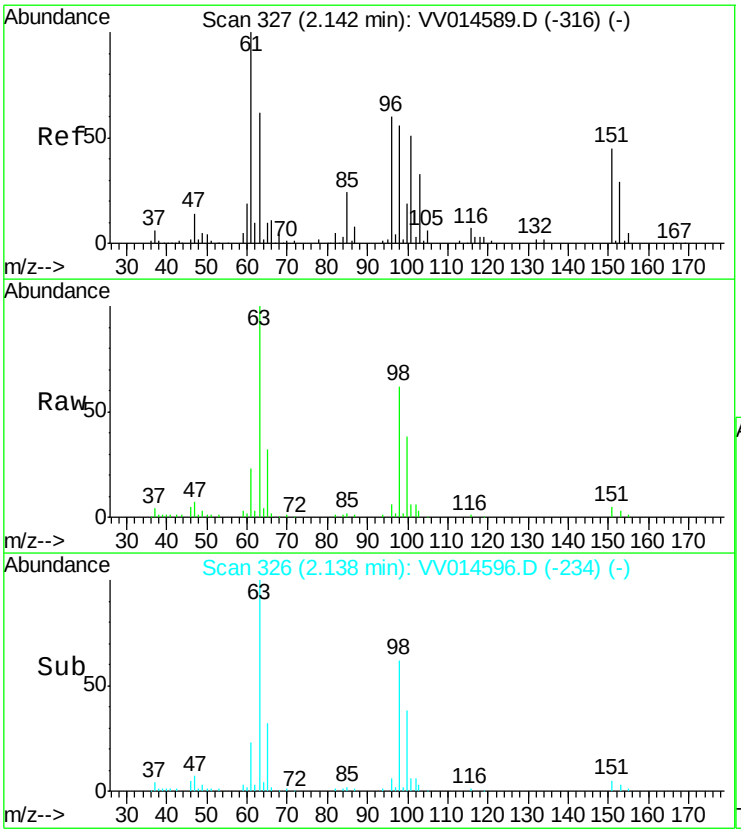
Tgt Ion:101 Resp: 2914

Ion	Ratio	Lower	Upper
101	100		
85	42.5	37.9	56.9
151	67.5	67.7	101.5#

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

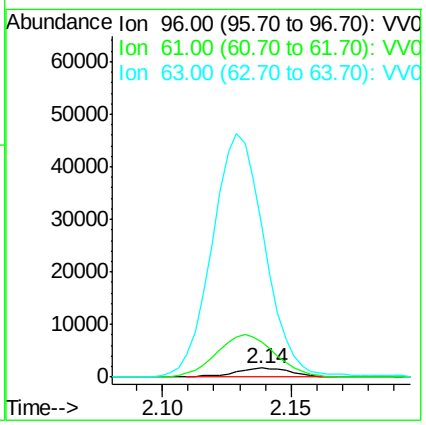


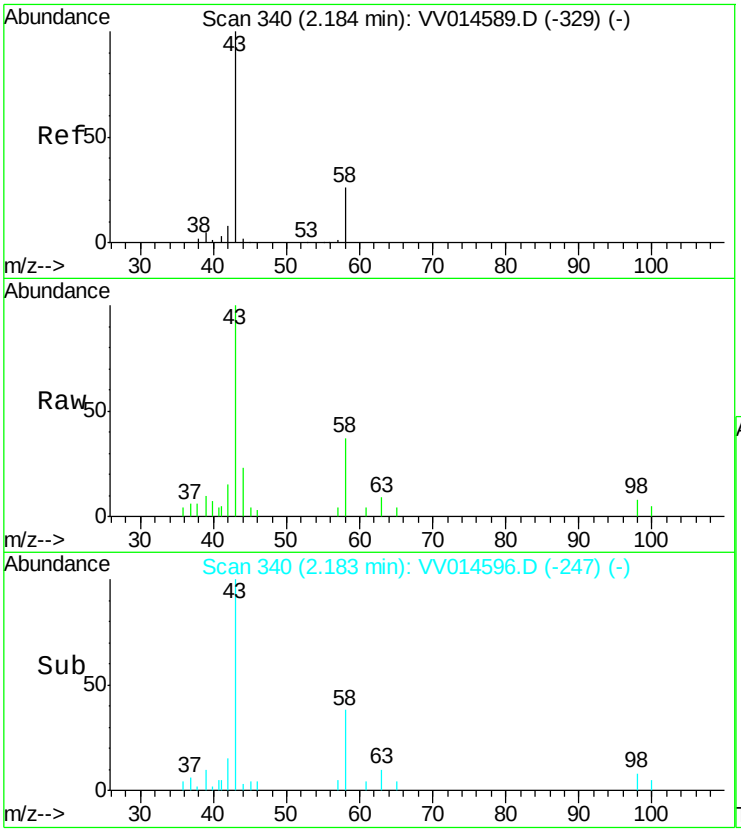


#12
1,1-Dichloroethene
Concen: 2.799 ug/L
RT: 2.14 min Scan# 326
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion: 96 Resp: 2596

Ion	Ratio	Lower	Upper
96	100		
61	387.2	118.3	219.7#
63	1686.6	77.5	143.9#

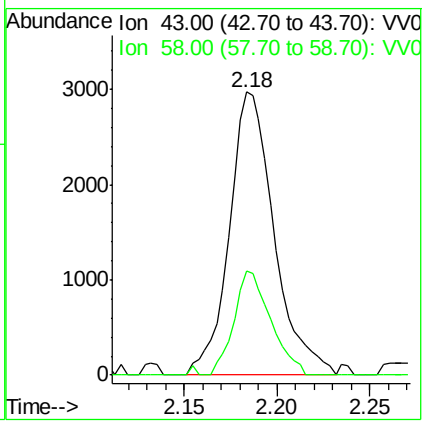




#13
Acetone
Concen: 6.137 ug/L
RT: 2.18 min Scan# 340
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

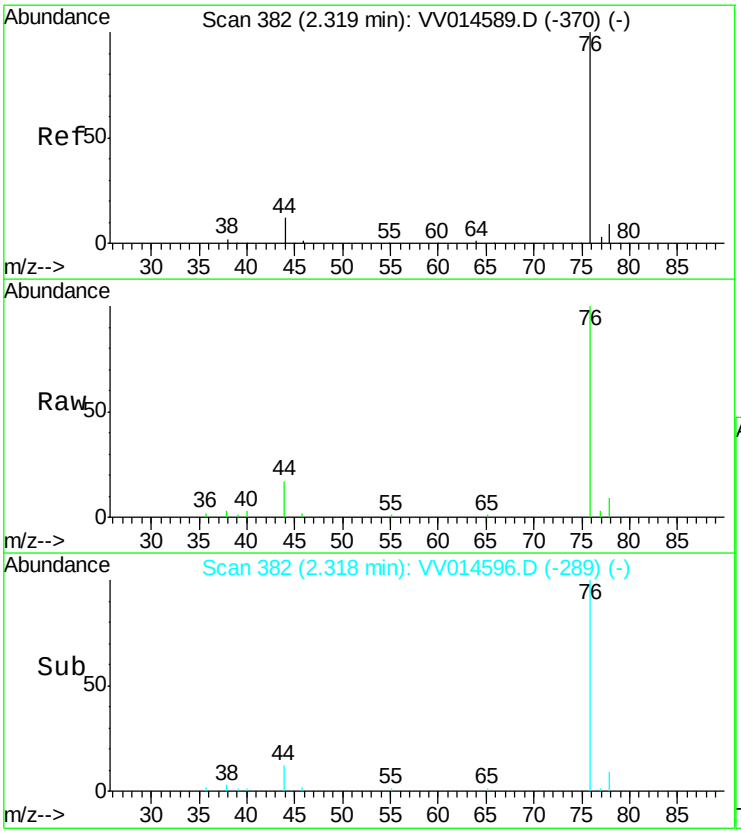
Tgt Ion: 43 Resp: 5000

Ion	Ratio	Lower	Upper
43	100		
58	29.9	0.0	55.8



Instrument :
MSVOA_V
ClientSampleId :
MDL05

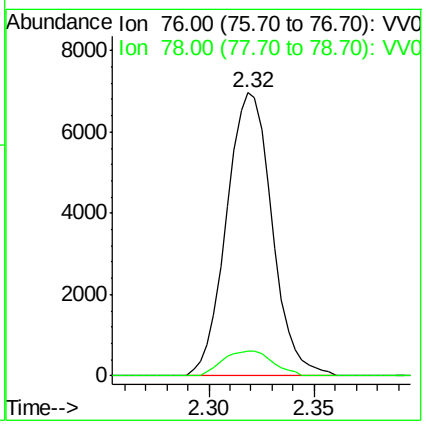
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

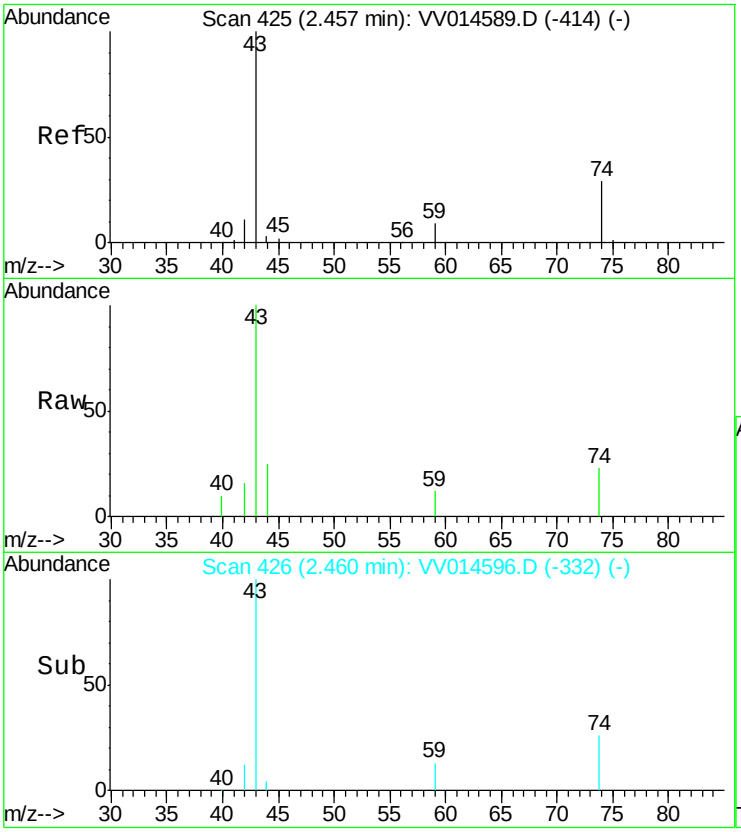


#14
Carbon disulfide
Concen: 2.458 ug/L
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion: 76 Resp: 10455

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.5	11.3





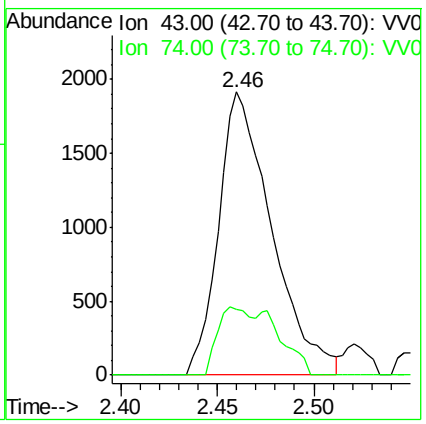
#15
Methyl Acetate
Concen: 2.371 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

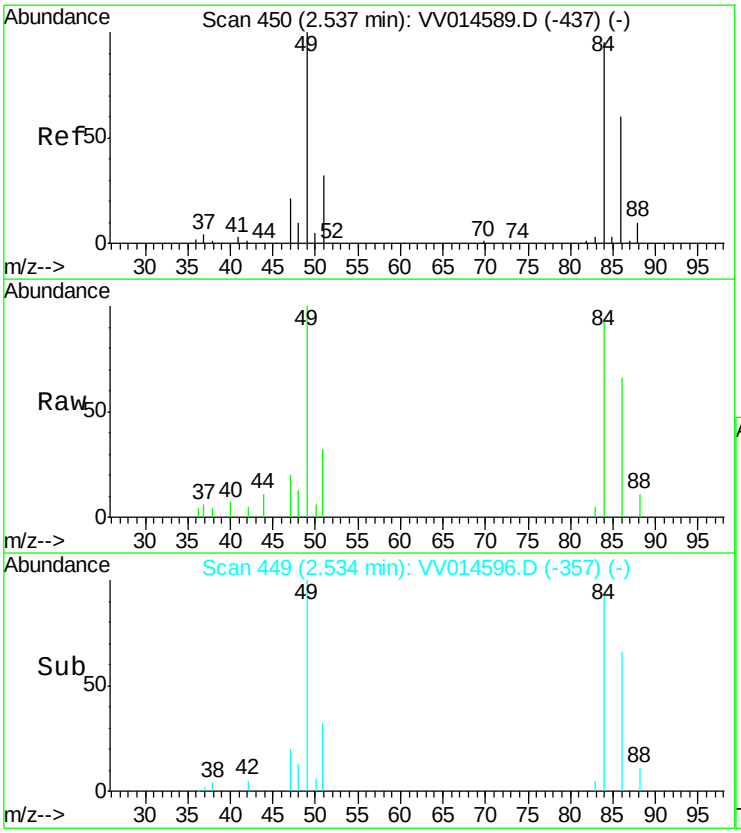
Tgt Ion: 43 Resp: 3666

Ion	Ratio	Lower	Upper
43	100		
74	16.0	22.9	34.3#

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

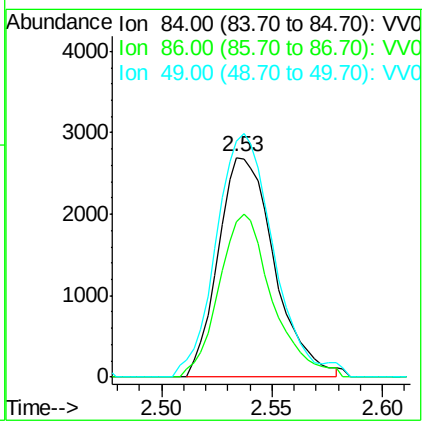


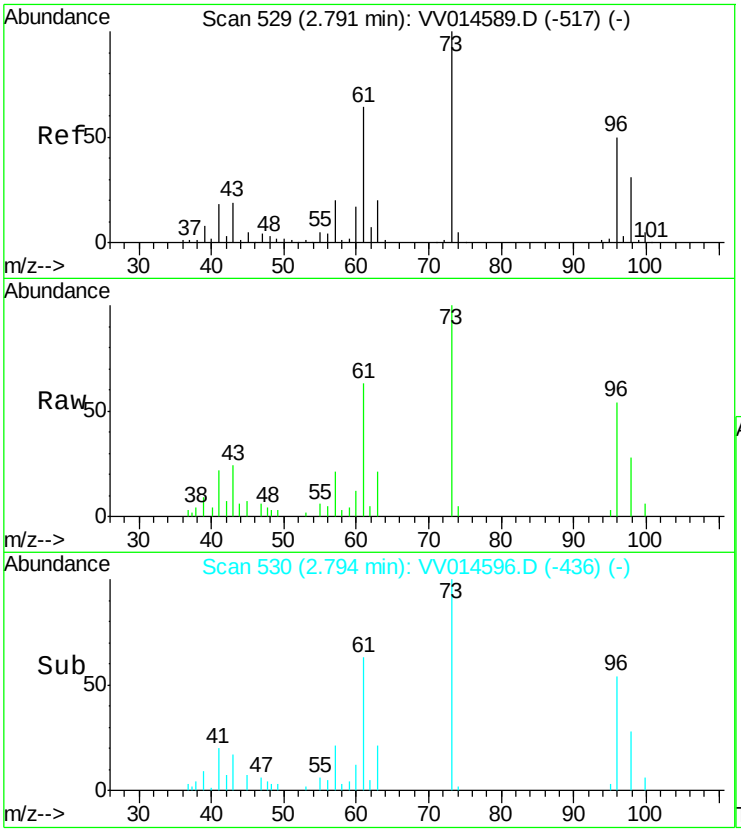


#16
Methylene chloride
Concen: 2.517 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion: 84 Resp: 4769

Ion	Ratio	Lower	Upper
84	100		
86	70.9	44.0	81.8
49	107.2	74.0	137.4

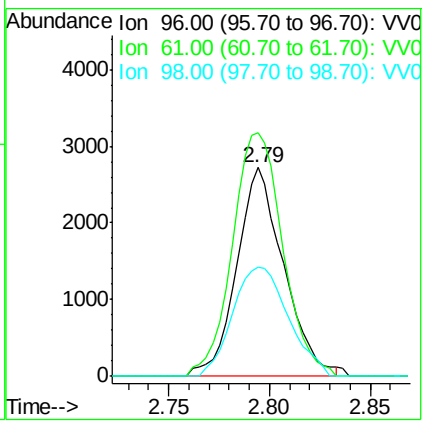




#17
trans-1,2-Dichloroethene
Concen: 2.540 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

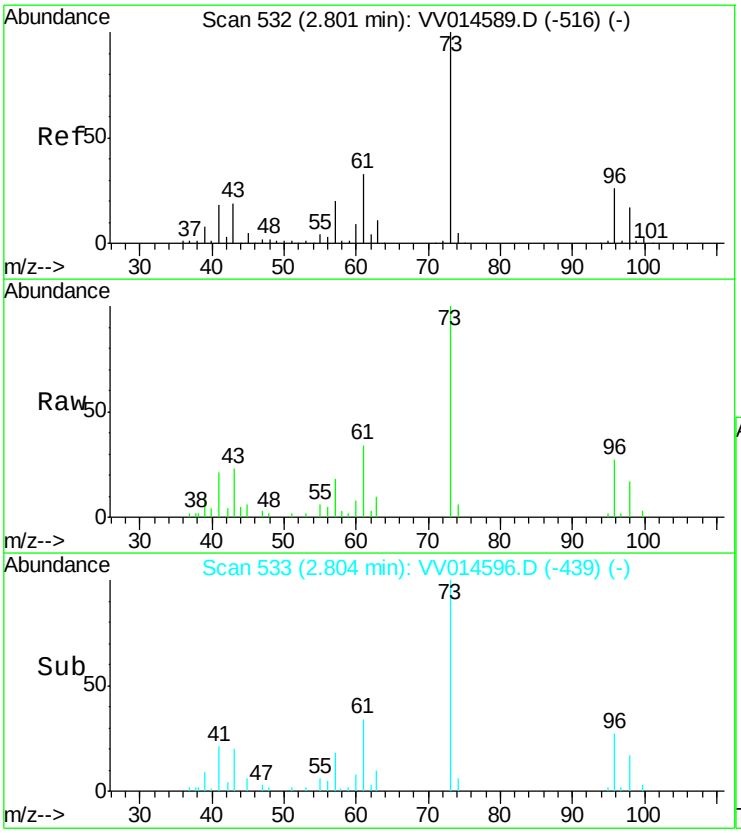
Tgt Ion: 96 Resp: 4431

Ion	Ratio	Lower	Upper
96	100		
61	116.8	90.6	168.3
98	52.4	44.2	82.2



Instrument :
MSVOA_V
ClientSampleId :
MDL05

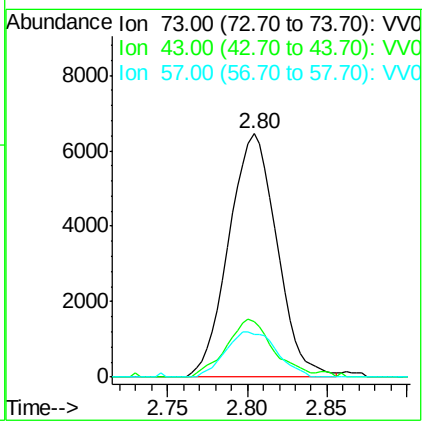
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

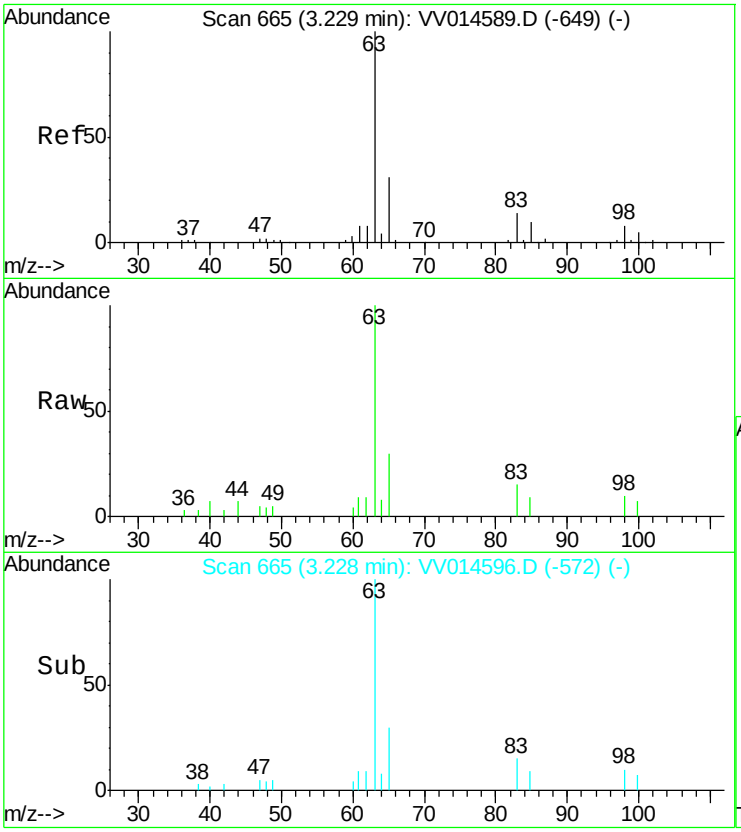


#18
Methyl tert-butyl Ether
Concen: 2.290 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion: 73 Resp: 13263

Ion	Ratio	Lower	Upper
73	100		
43	23.0	14.7	22.1#
57	19.8	16.2	24.4

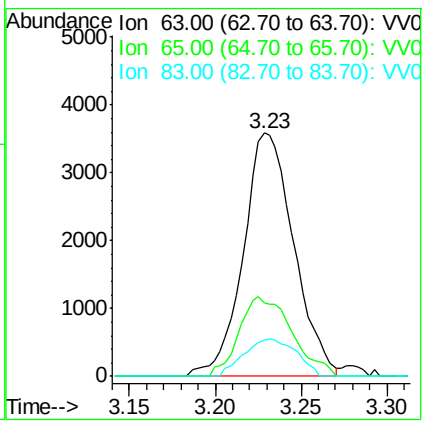




#19
1,1-Dichloroethane
Concen: 2.351 ug/L
RT: 3.23 min Scan# 665
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

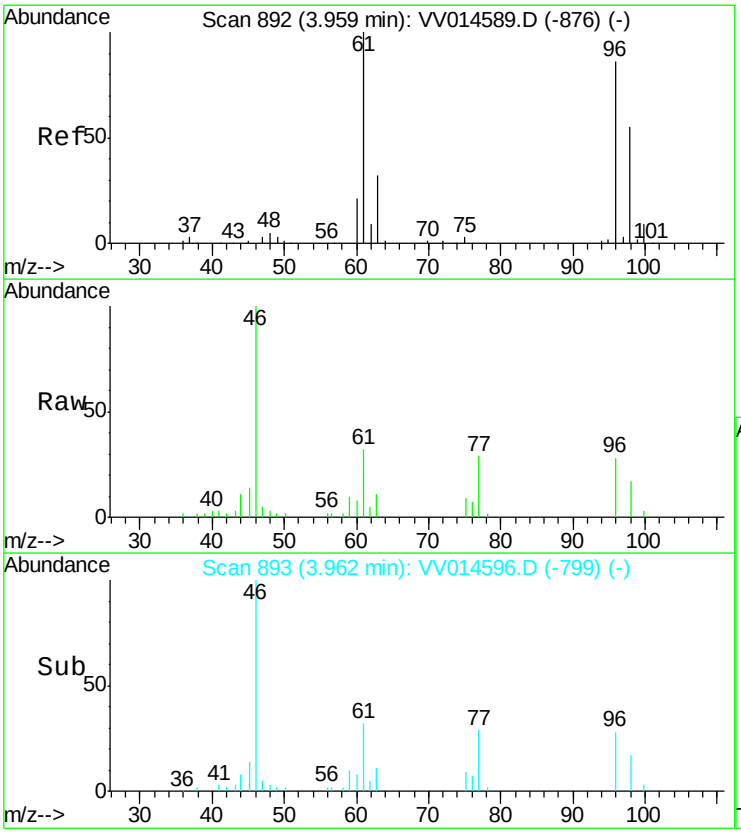
Tgt Ion: 63 Resp: 7305

Ion	Ratio	Lower	Upper
63	100		
65	30.2	21.8	40.4
83	15.0	9.9	18.3



Instrument :
MSVOA_V
ClientSampleId :
MDL05

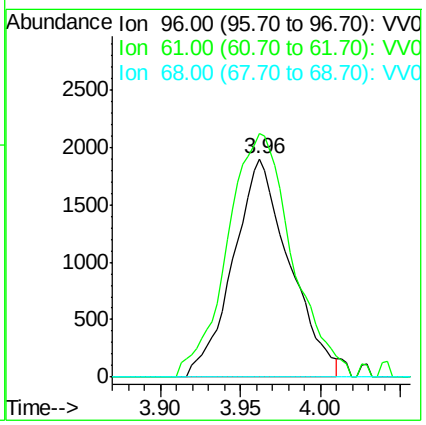
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

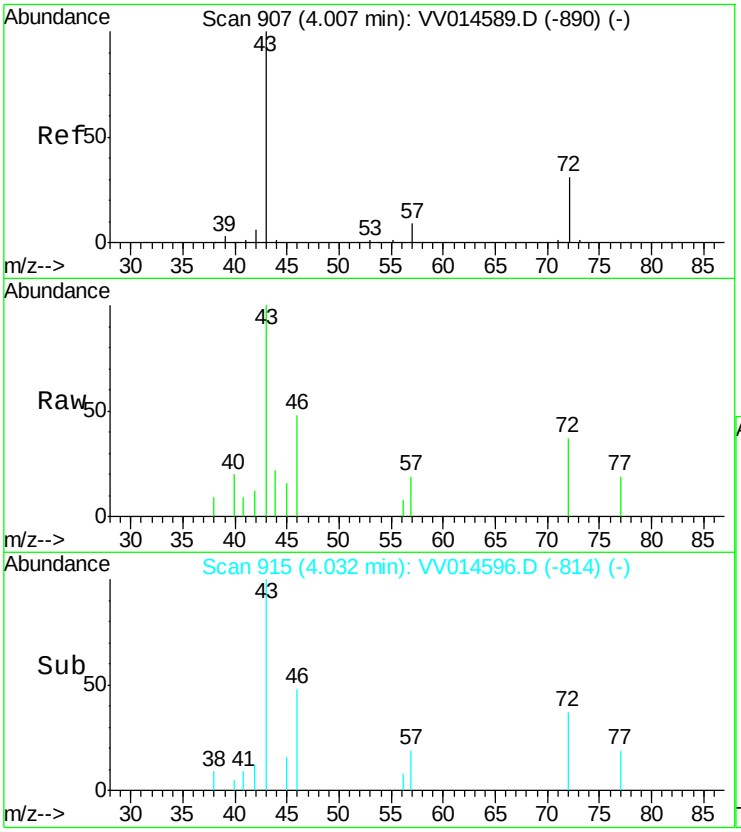


#20
cis-1,2-Dichloroethene
Concen: 2.235 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion: 96 Resp: 4584

Ion	Ratio	Lower	Upper
96	100		
61	111.5	81.4	151.2
68	0.0	0.0	0.0

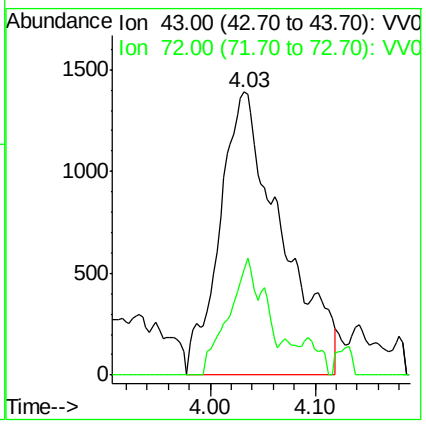




#22
2-Butanone
Concen: 4.592 ug/L m
RT: 4.03 min Scan# 915
Delta R.T. 0.03 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

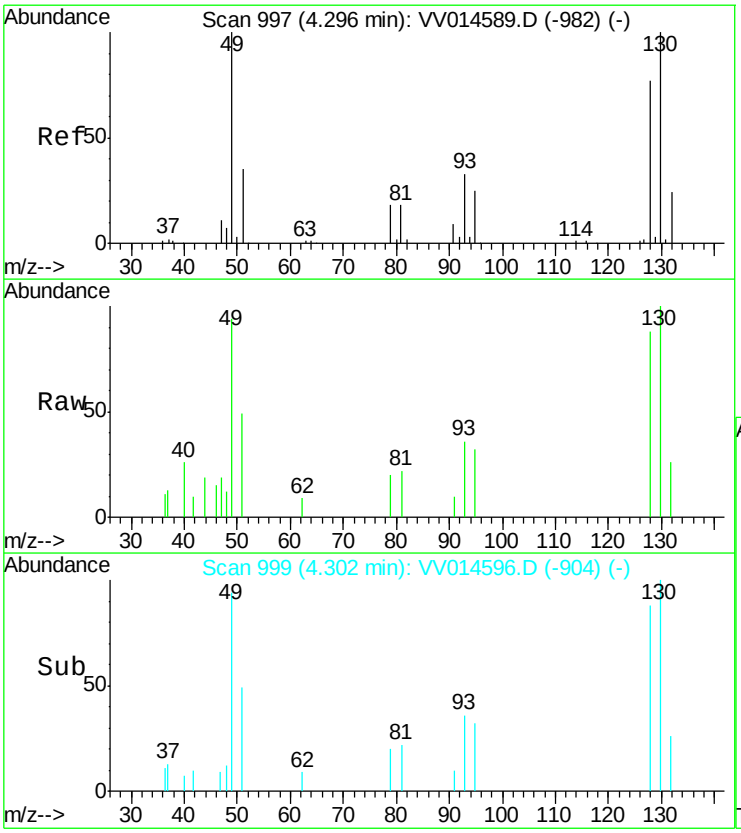
Tgt Ion: 43 Resp: 5697

Ion	Ratio	Lower	Upper
43	100		
72	17.8	15.1	45.3



Instrument :
MSVOA_V
ClientSampleId :
MDL05

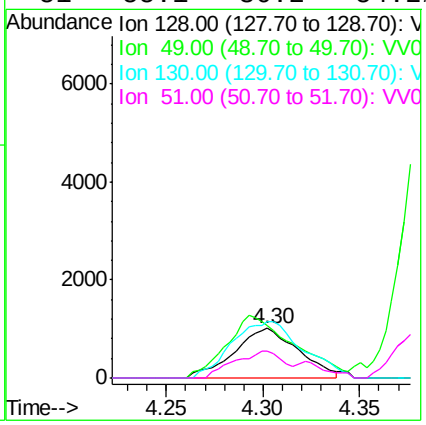
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

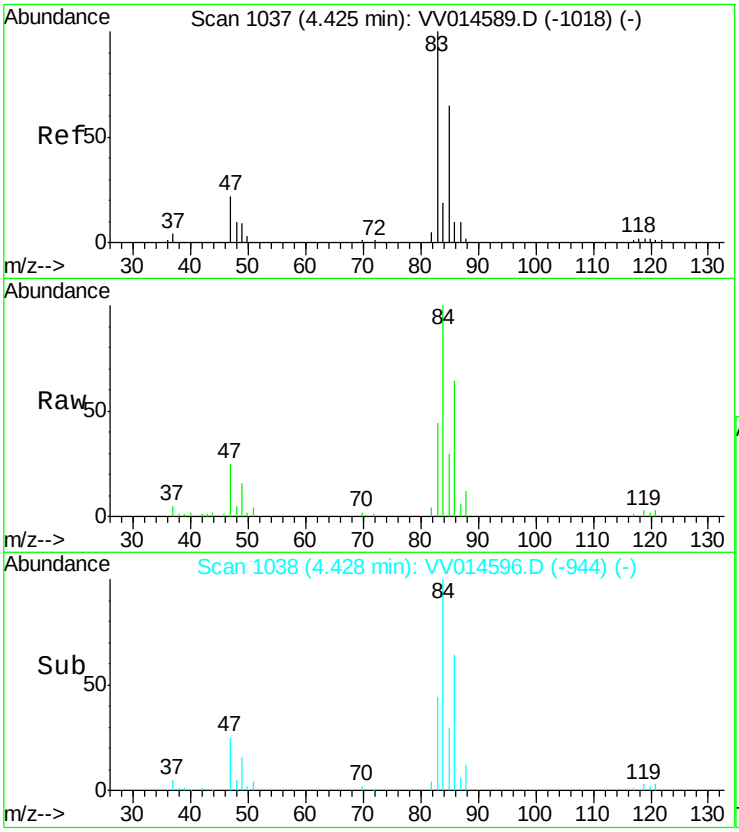


#23
Bromochloromethane
Concen: 2.311 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.01 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion:128 Resp: 2337

Ion	Ratio	Lower	Upper
128	100		
49	106.7	91.7	170.3
130	113.0	91.4	169.8
51	55.1	36.2	54.2#

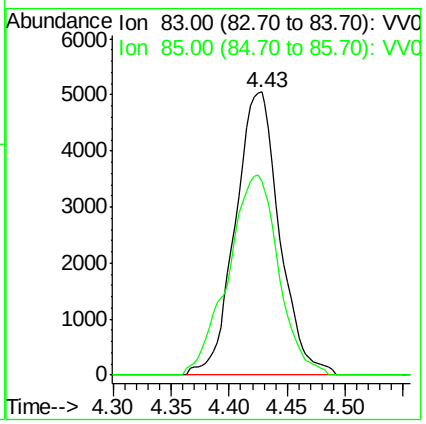




#25
Chloroform
Concen: 3.815 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

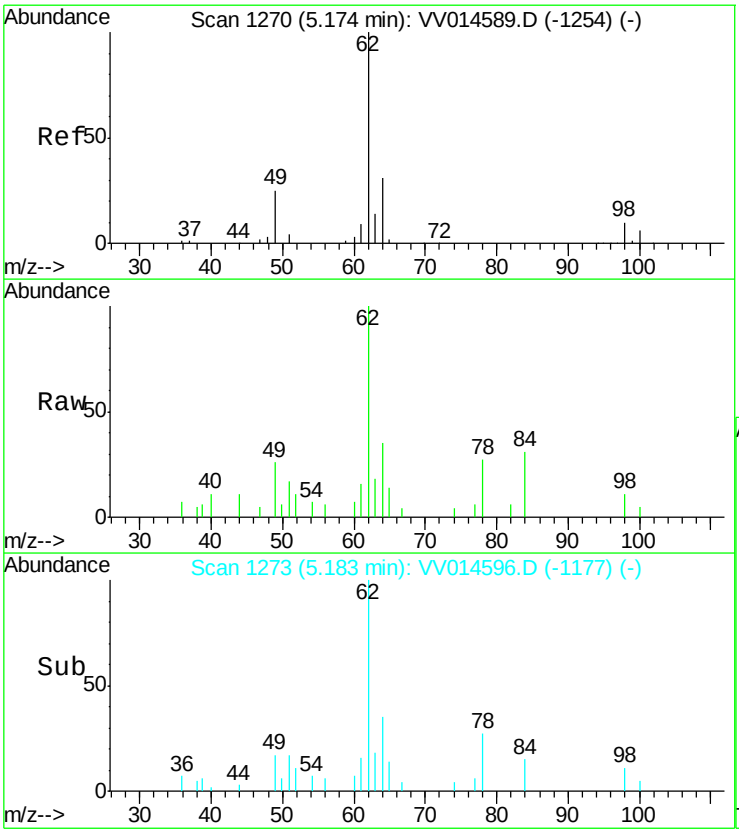
Tgt Ion: 83 Resp: 13432

Ion	Ratio	Lower	Upper
83	100		
85	68.6	45.4	84.4



Instrument :
MSVOA_V
ClientSampleId :
MDL05

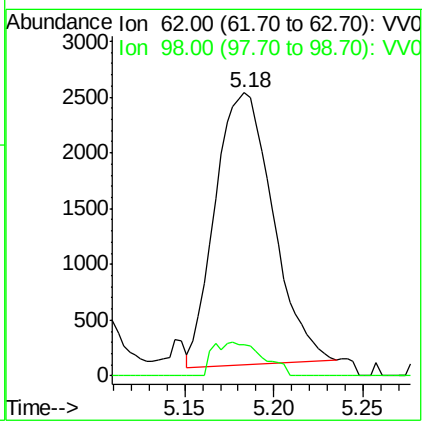
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

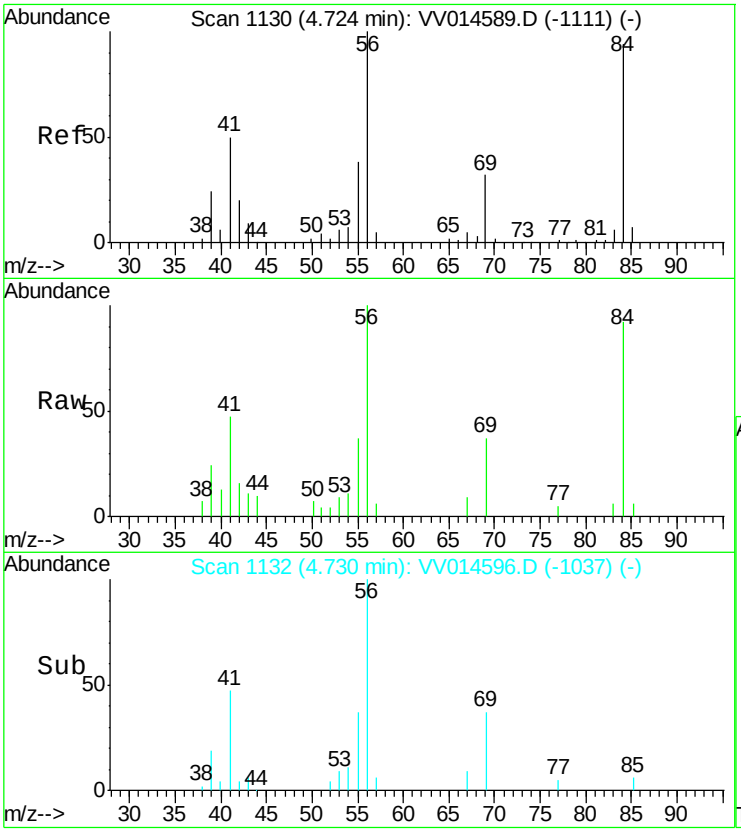


#27
1,2-Dichloroethane
Concen: 2.083 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion: 62 Resp: 5486

Ion	Ratio	Lower	Upper
62	100		
98	11.0	8.1	12.1

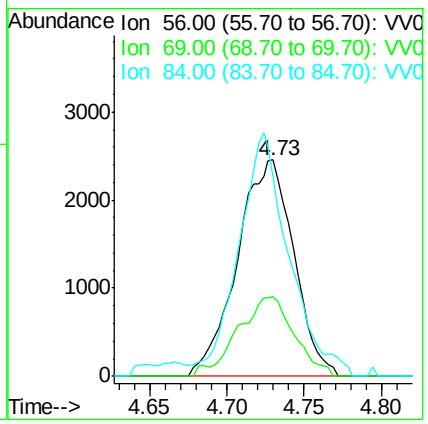




#29
Cyclohexane
Concen: 2.360 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. 0.01 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

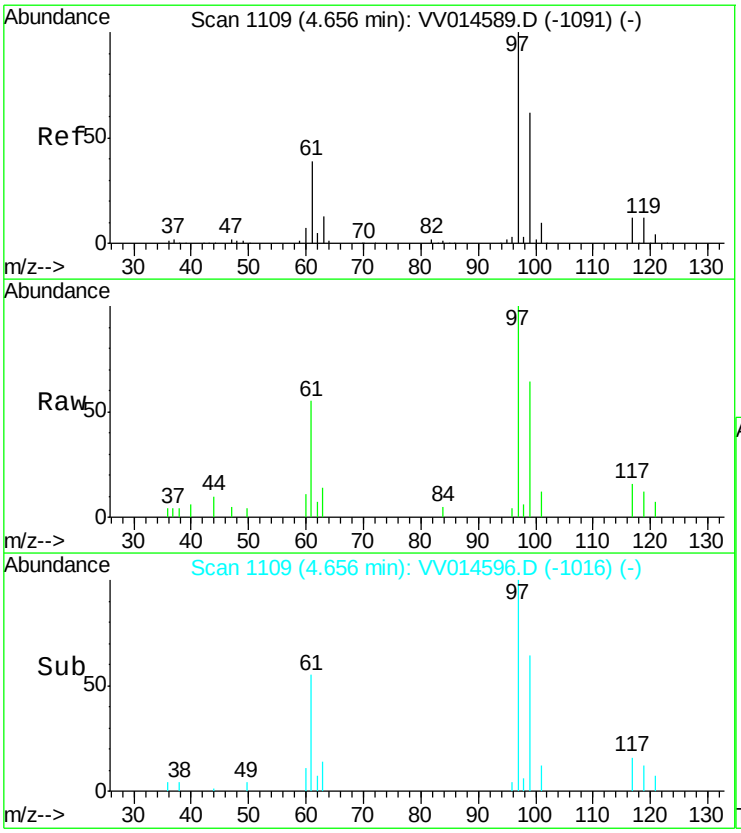
Tgt Ion: 56 Resp: 6222

Ion	Ratio	Lower	Upper
56	100		
69	25.8	26.6	39.8#
84	90.1	76.6	114.8



Instrument :
MSVOA_V
ClientSampleId :
MDL05

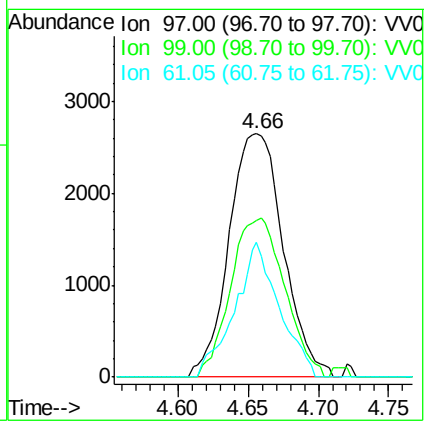
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

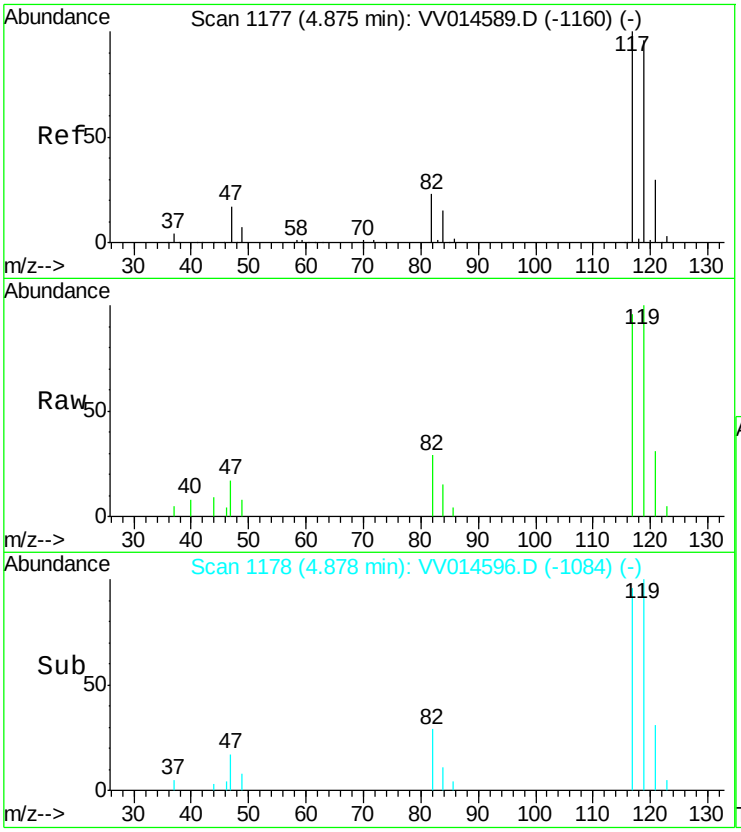


#30
1,1,1-Trichloroethane
Concen: 2.321 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion: 97 Resp: 7121

Ion	Ratio	Lower	Upper
97	100		
99	65.1	50.6	76.0
61	45.2	31.6	47.4





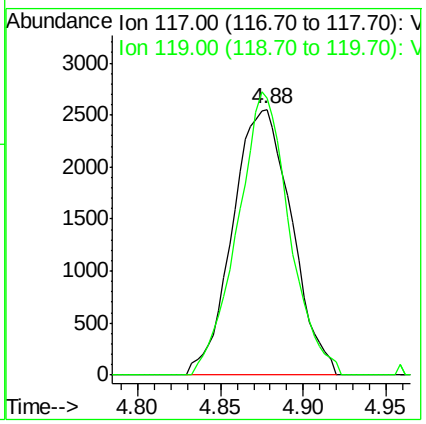
#31
Carbon tetrachloride
Concen: 2.313 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

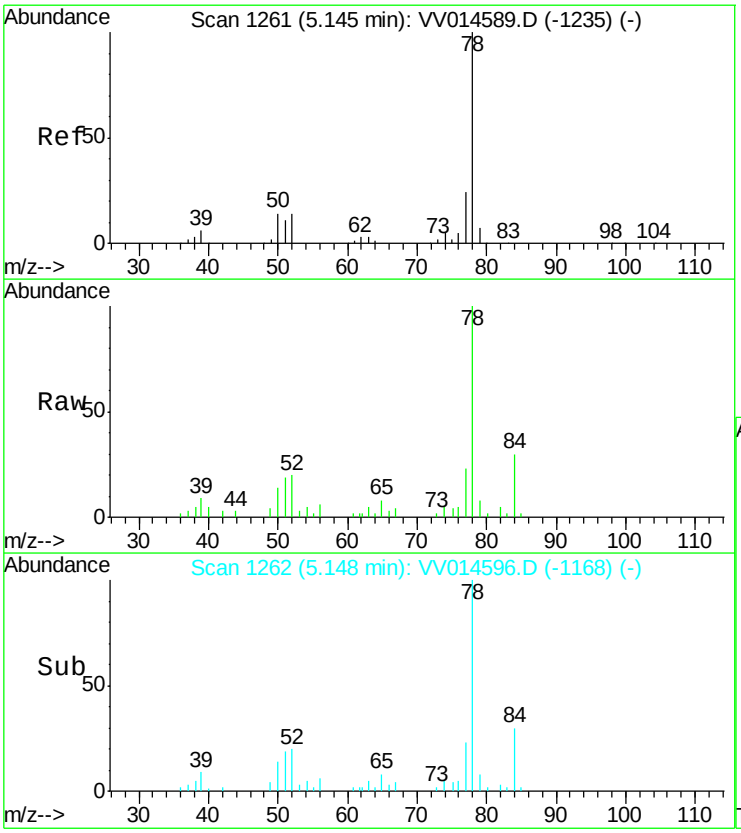
Tgt Ion:117 Resp: 6328

Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.2	114.4

Instrument :
MSVOA_V
ClientSampleId :
MDL05

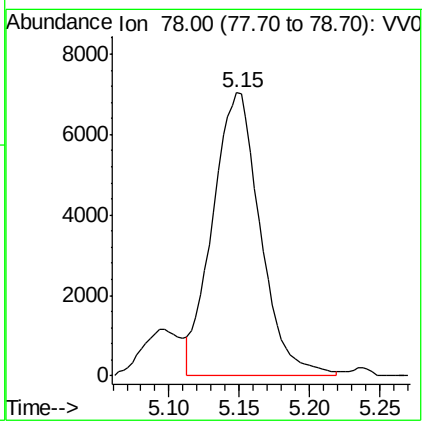
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

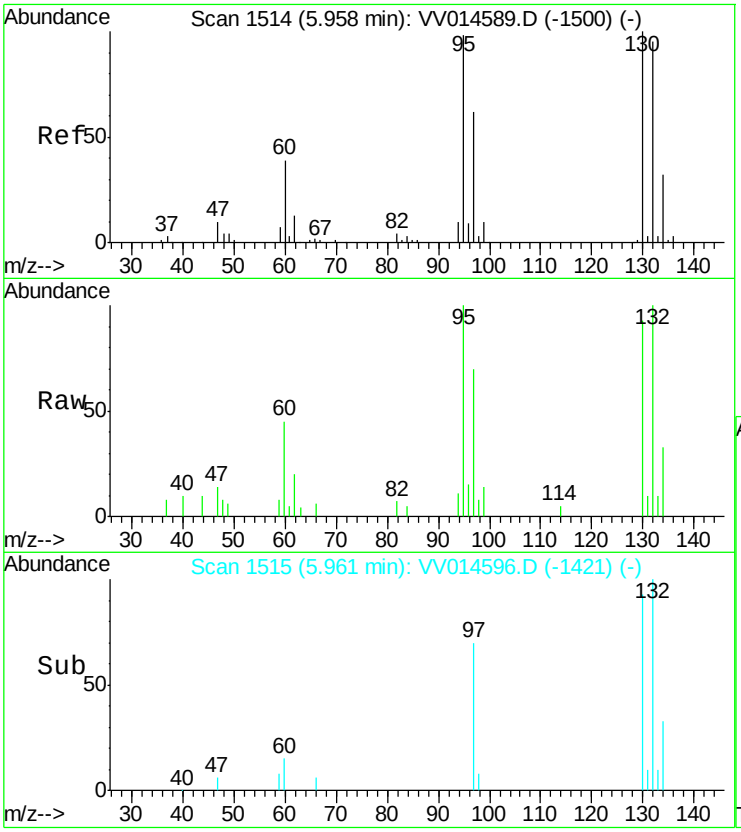




#33
Benzene
Concen: 2.345 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion: 78 Resp: 16636

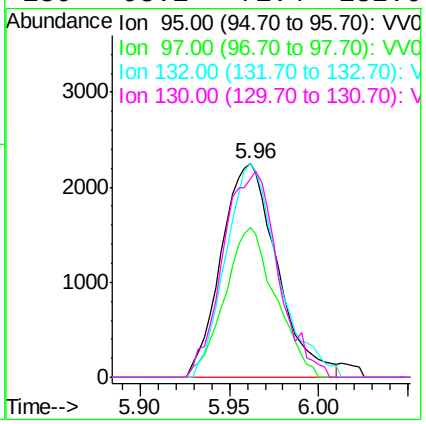




#34
Trichloroethene
Concen: 2.540 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

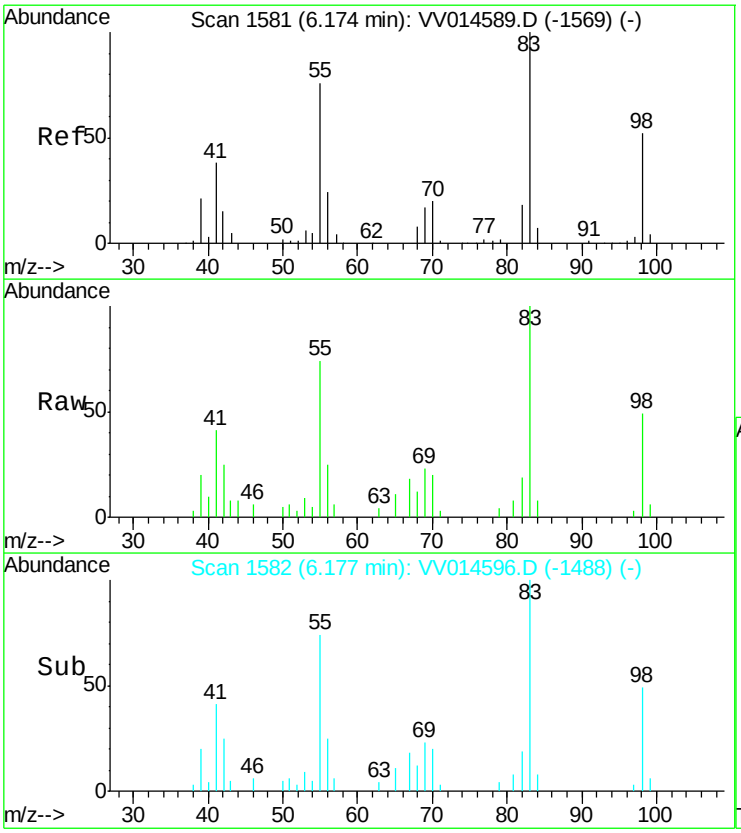
Tgt Ion: 95 Resp: 4914

Ion	Ratio	Lower	Upper
95	100		
97	70.1	44.4	82.4
132	100.1	67.8	125.8
130	93.1	71.4	132.6



Instrument :
MSVOA_V
ClientSampleId :
MDL05

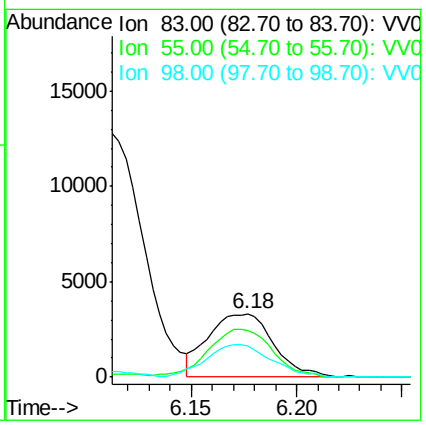
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

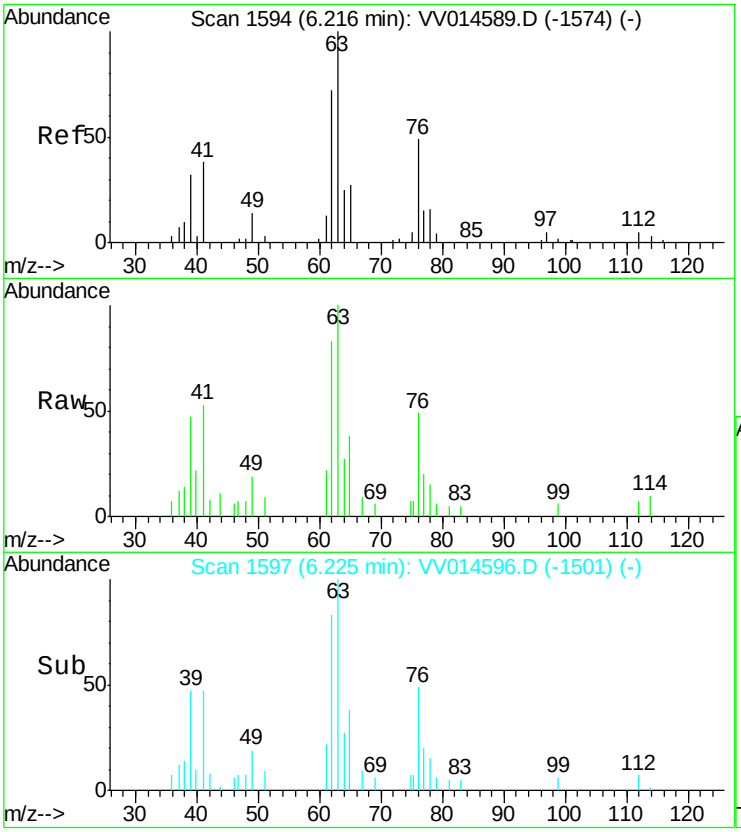


#35
Methylcyclohexane
Concen: 2.370 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion: 83 Resp: 7132

Ion	Ratio	Lower	Upper
83	100		
55	74.5	57.4	86.2
98	50.3	40.4	60.6

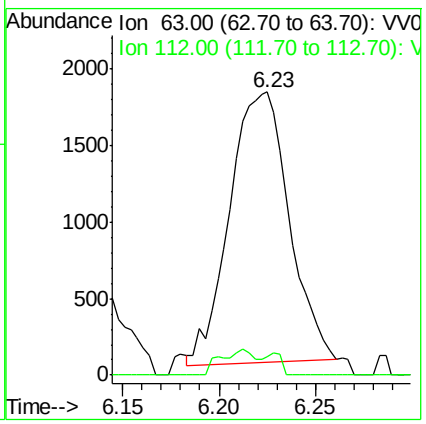




#37
1,2-Dichloropropane
Concen: 2.193 ug/L
RT: 6.23 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

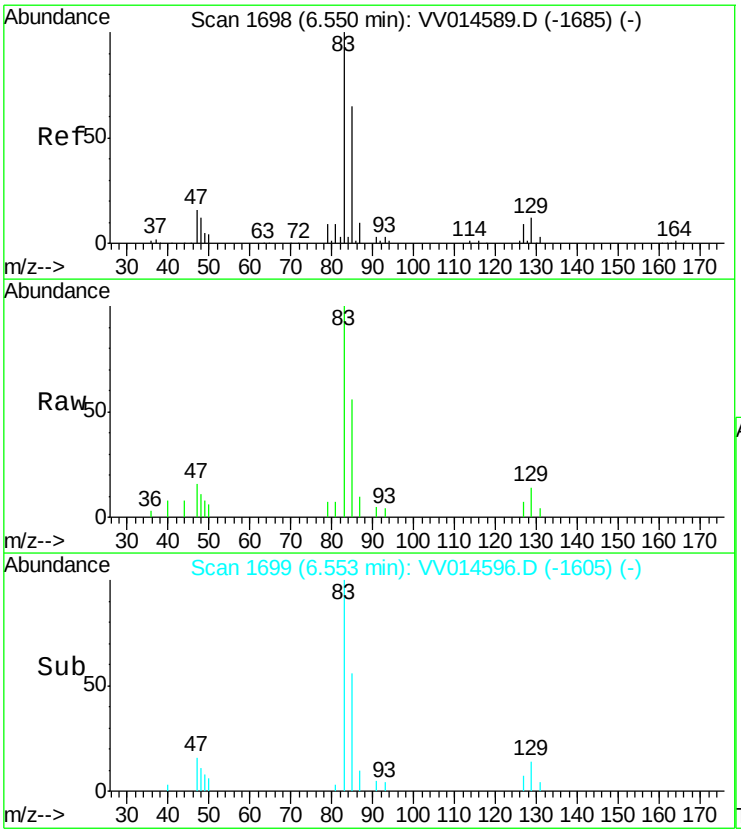
Tgt Ion: 63 Resp: 3773

Ion	Ratio	Lower	Upper
63	100		
112	2.6	4.2	6.2#



Instrument :
MSVOA_V
ClientSampleId :
MDL05

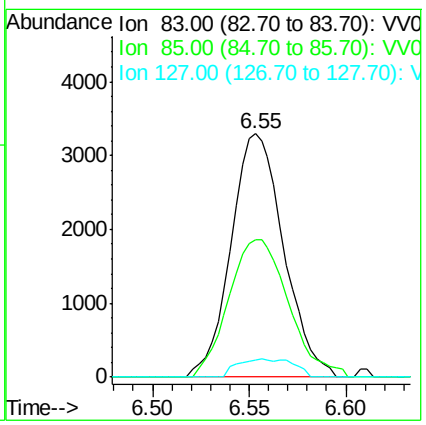
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

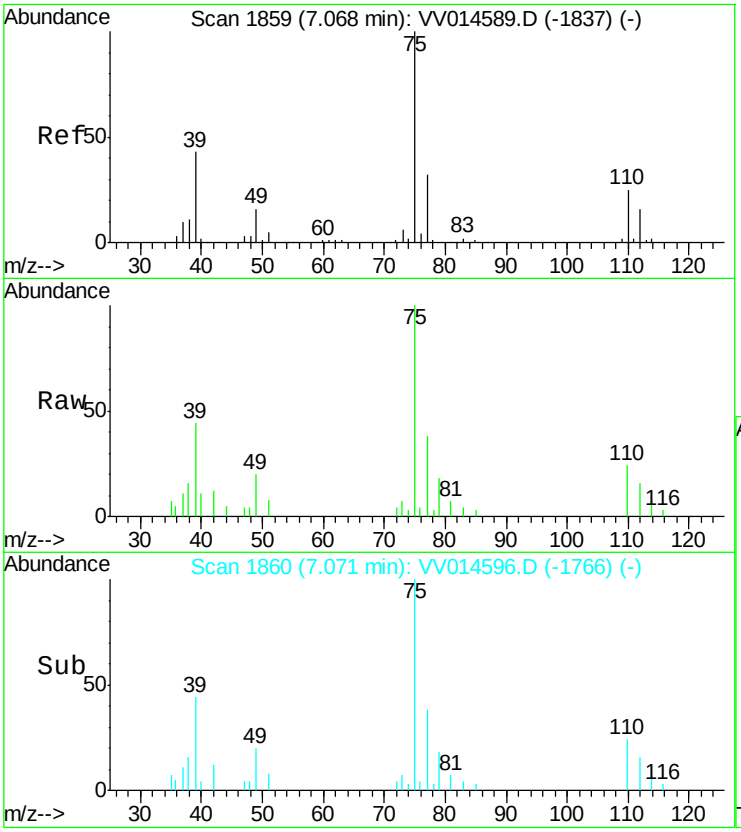


#38
Bromodichloromethane
Concen: 2.329 ug/L
RT: 6.55 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion: 83 Resp: 6241

Ion	Ratio	Lower	Upper
83	100		
85	56.4	45.5	84.5
127	7.1	7.1	10.7#

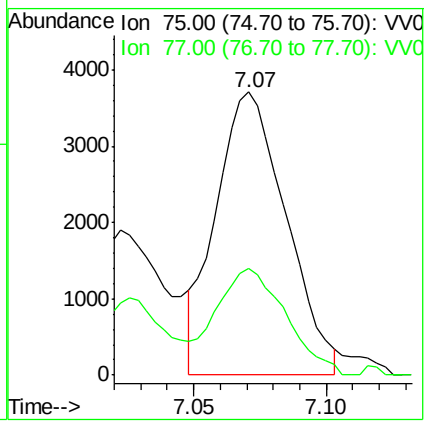




#39
cis-1,3-Dichloropropene
Concen: 2.231 ug/L m
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

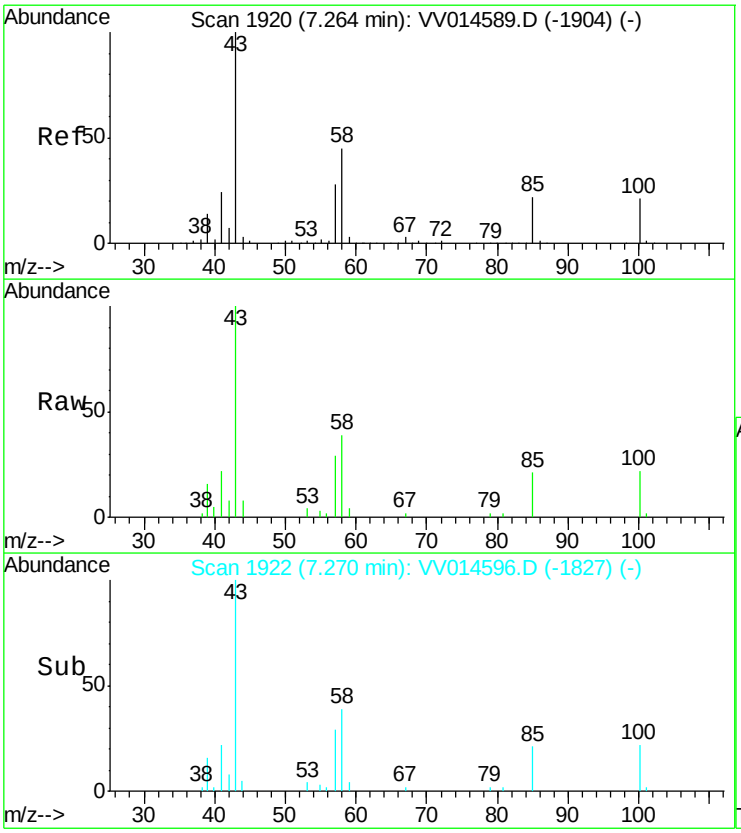
Tgt Ion: 75 Resp: 6808

Ion	Ratio	Lower	Upper
75	100		
77	37.9	22.3	41.5



Instrument :
MSVOA_V
ClientSampleId :
MDL05

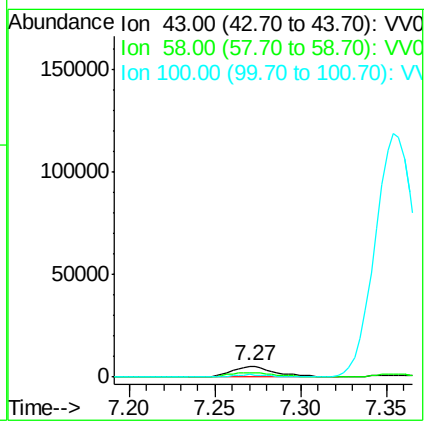
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

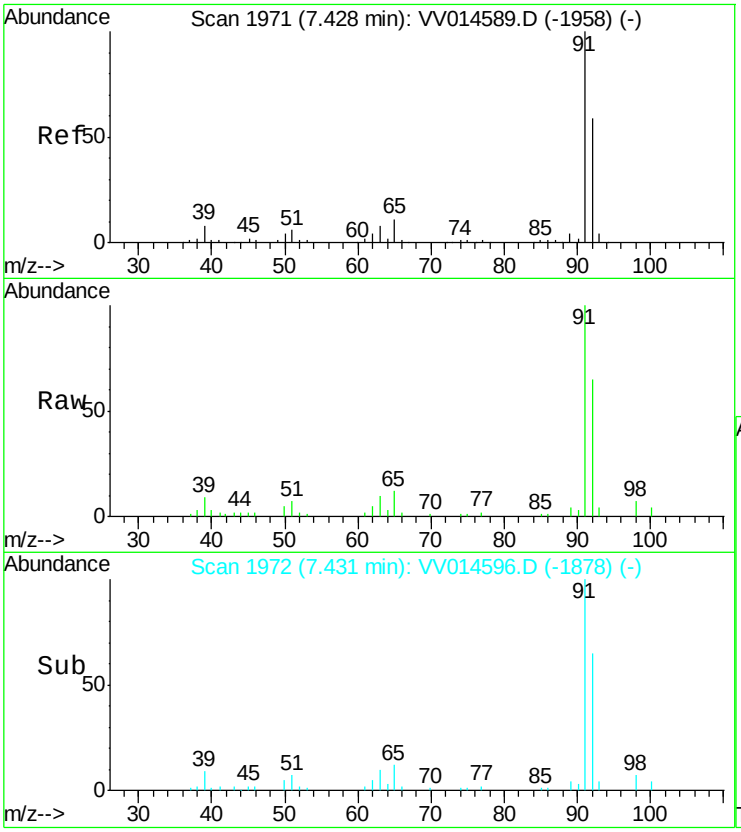


#40
4-Methyl-2-pentanone
Concen: 4.389 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion: 43 Resp: 9444

Ion	Ratio	Lower	Upper
43	100		
58	44.8	35.6	53.4
100	19.0	16.0	24.0





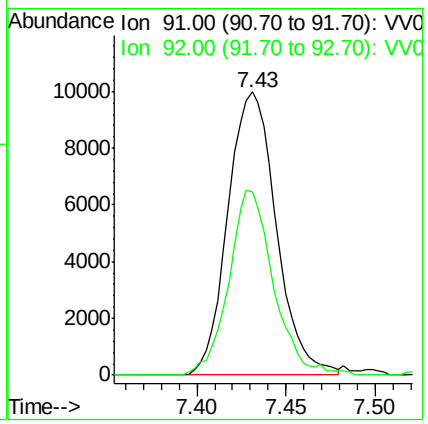
#42
Toluene
Concen: 2.422 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

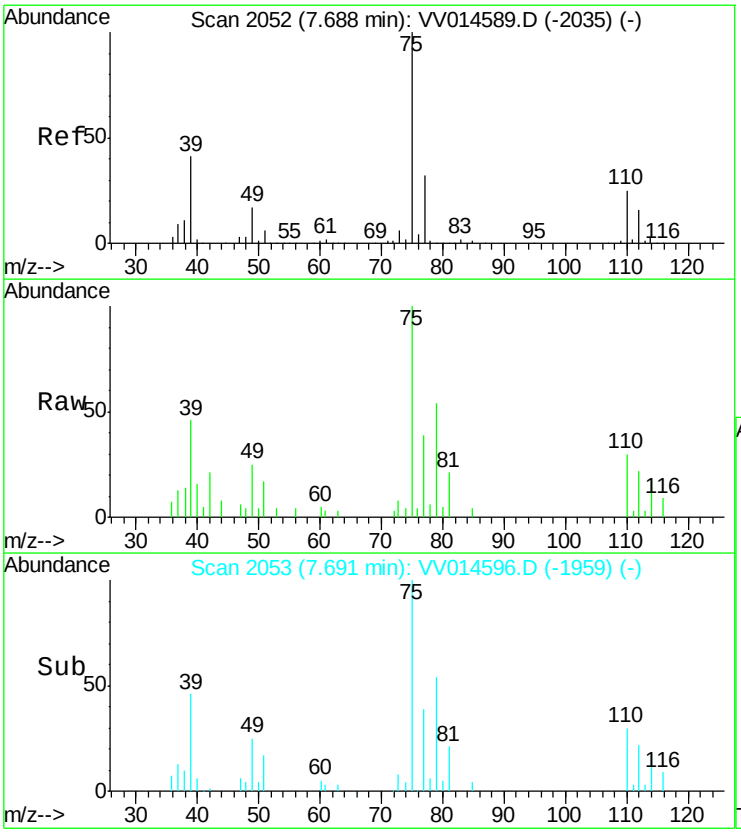
Tgt Ion: 91 Resp: 18931

Ion	Ratio	Lower	Upper
91	100		
92	65.0	41.2	76.6

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

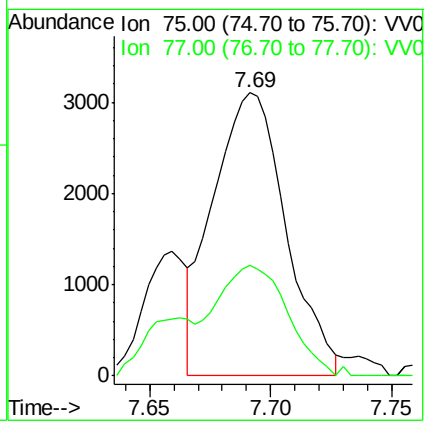


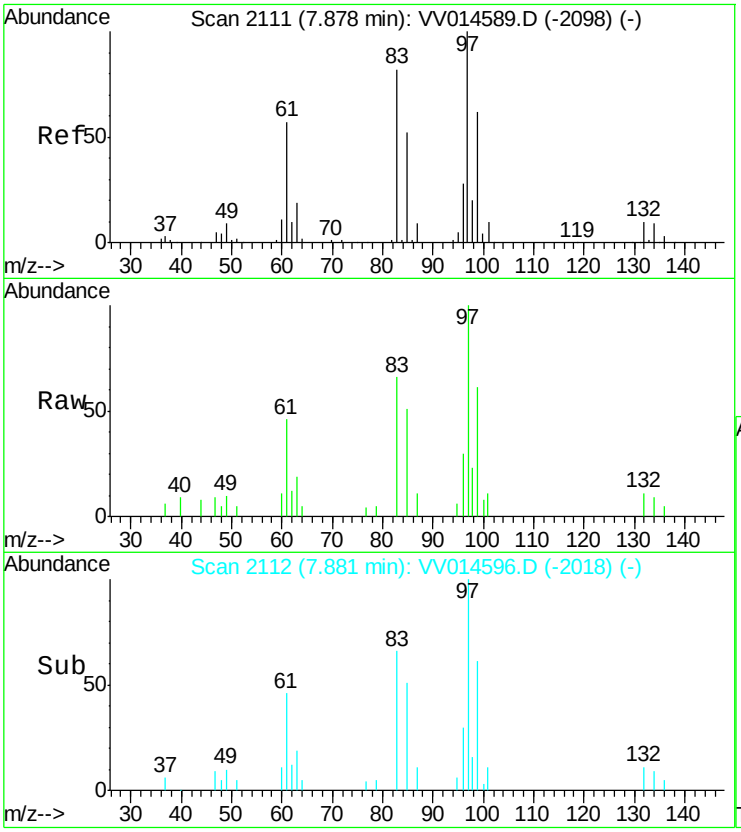


#44
trans-1,3-Dichloropropene
Concen: 2.284 ug/L m
RT: 7.69 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion: 75 Resp: 6496

Ion	Ratio	Lower	Upper
75	100		
77	39.1	22.7	42.1

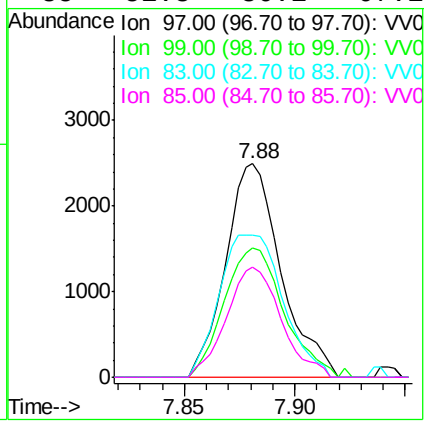




#45
1,1,2-Trichloroethane
Concen: 2.356 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

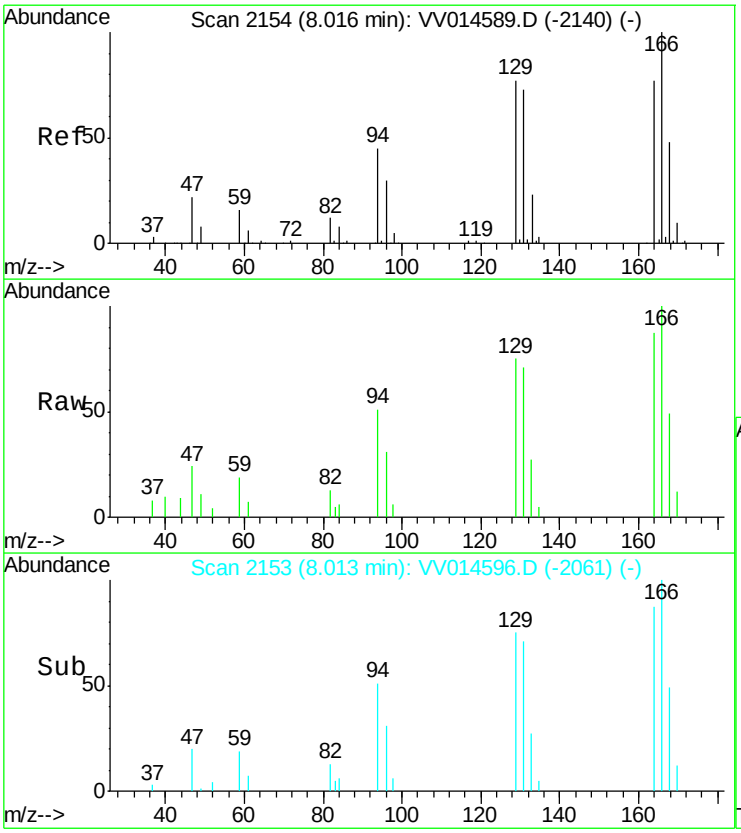
Tgt Ion: 97 Resp: 4362

Ion	Ratio	Lower	Upper
97	100		
99	60.8	43.4	80.6
83	66.3	57.6	107.0
85	51.3	36.1	67.1



Instrument :
MSVOA_V
ClientSampleId :
MDL05

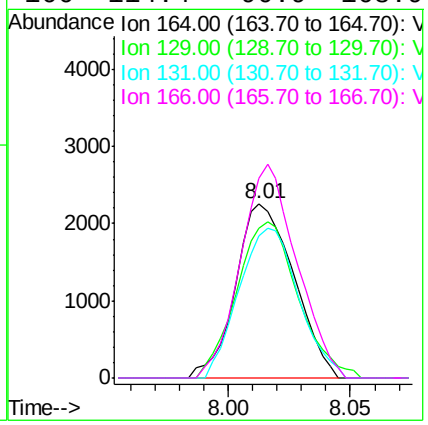
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

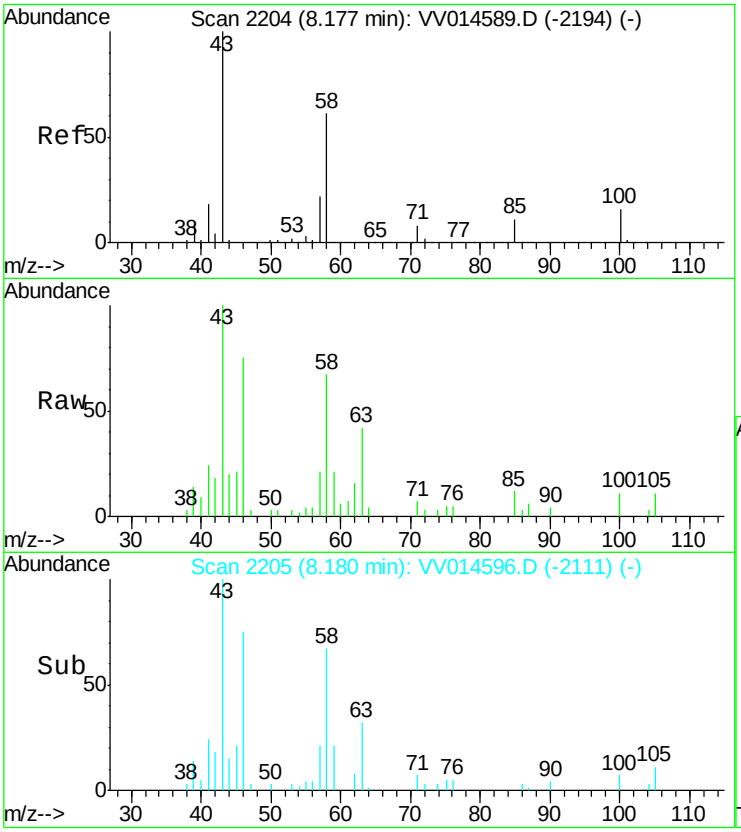


#46
Tetrachloroethene
Concen: 2.413 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion:164 Resp: 3734

Ion	Ratio	Lower	Upper
164	100		
129	85.8	69.8	129.6
131	81.3	66.2	123.0
166	114.4	90.9	168.9

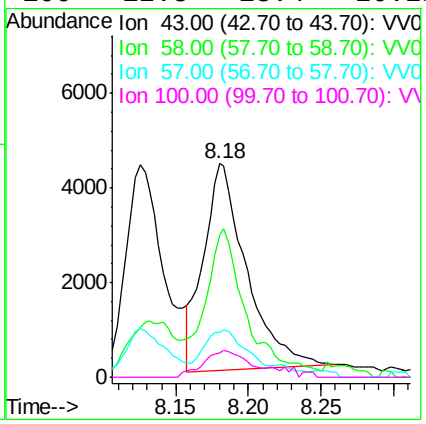




#48
2-Hexanone
Concen: 5.411 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

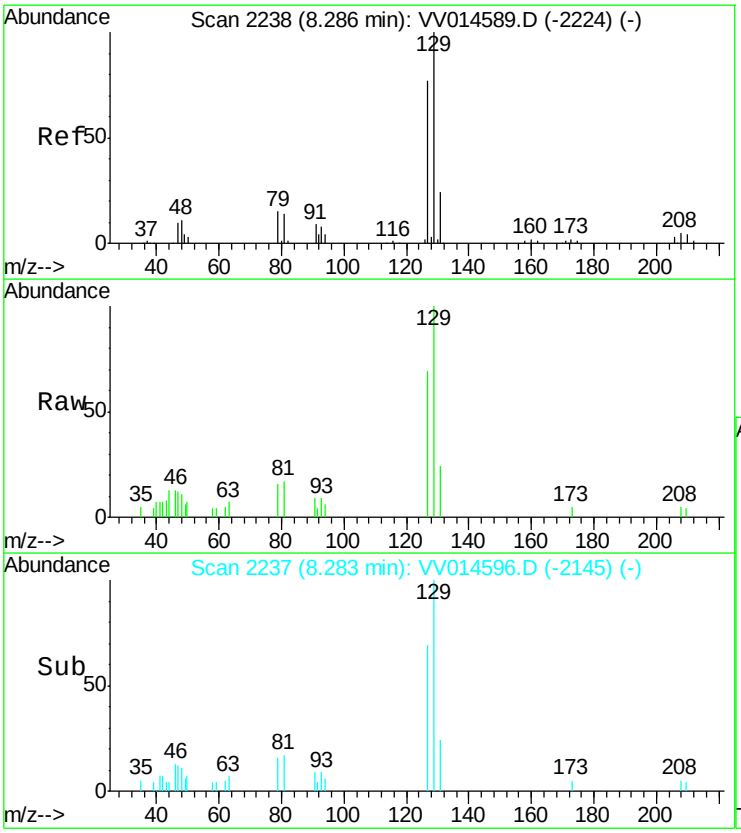
Tgt Ion: 43 Resp: 9090

Ion	Ratio	Lower	Upper
43	100		
58	34.4	49.8	74.6#
57	16.8	17.0	25.6#
100	12.8	13.4	20.2#



Instrument :
MSVOA_V
ClientSampleId :
MDL05

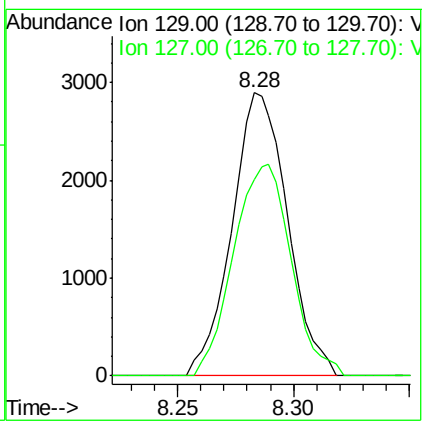
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

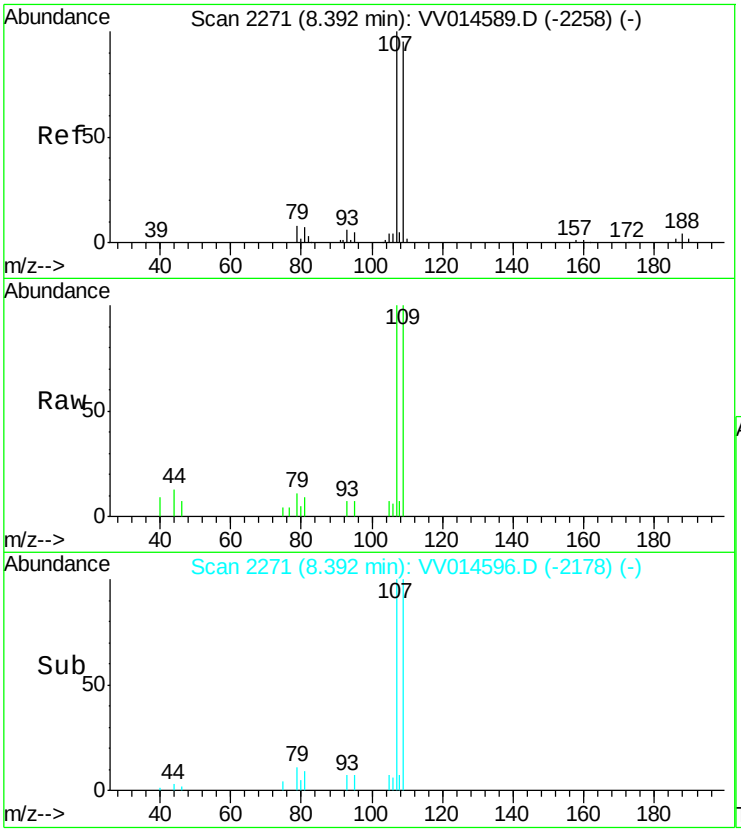


#49
Dibromochloromethane
Concen: 2.145 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion:129 Resp: 4812

Ion	Ratio	Lower	Upper
129	100		
127	69.5	53.8	100.0

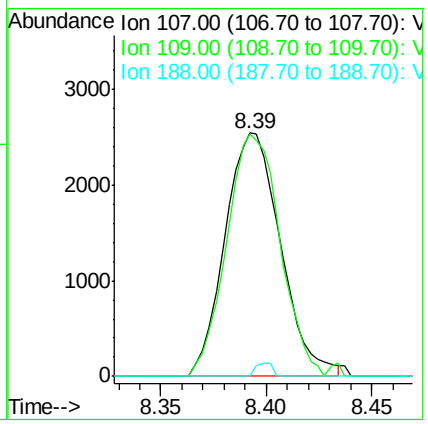




#50
1,2-Dibromoethane
Concen: 2.293 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

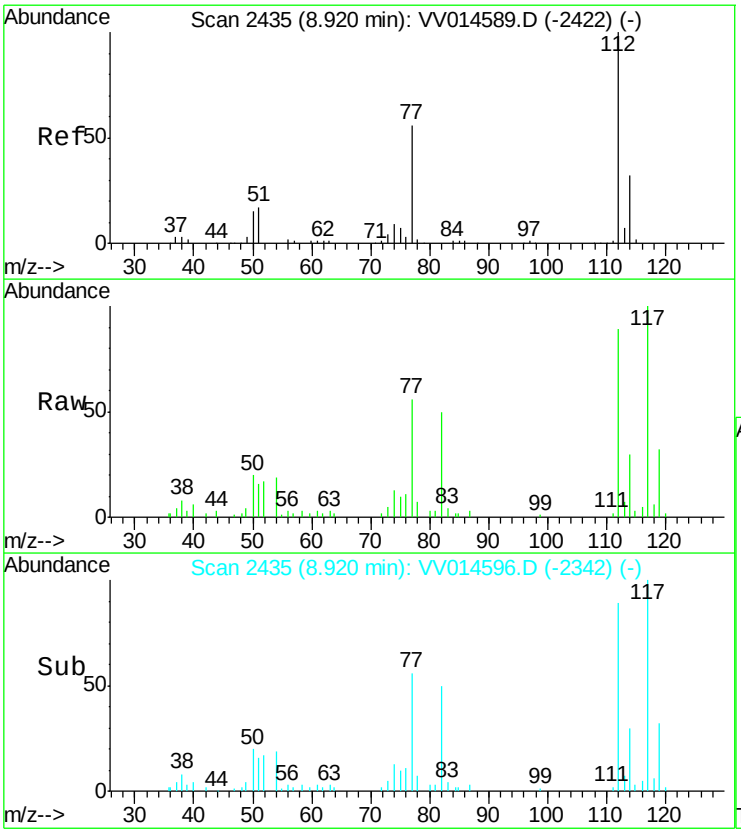
Tgt Ion:107 Resp: 4666

Ion	Ratio	Lower	Upper
107	100		
109	99.6	66.5	123.5
188	0.0	3.3	4.9#



Instrument :
MSVOA_V
ClientSampleId :
MDL05

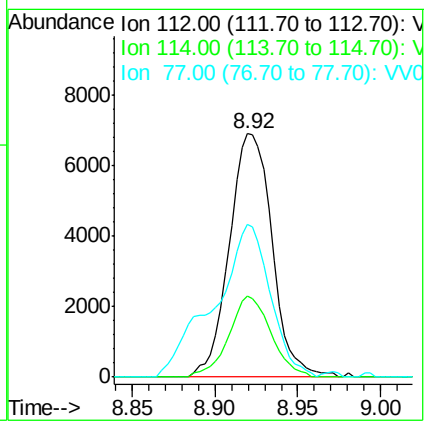
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

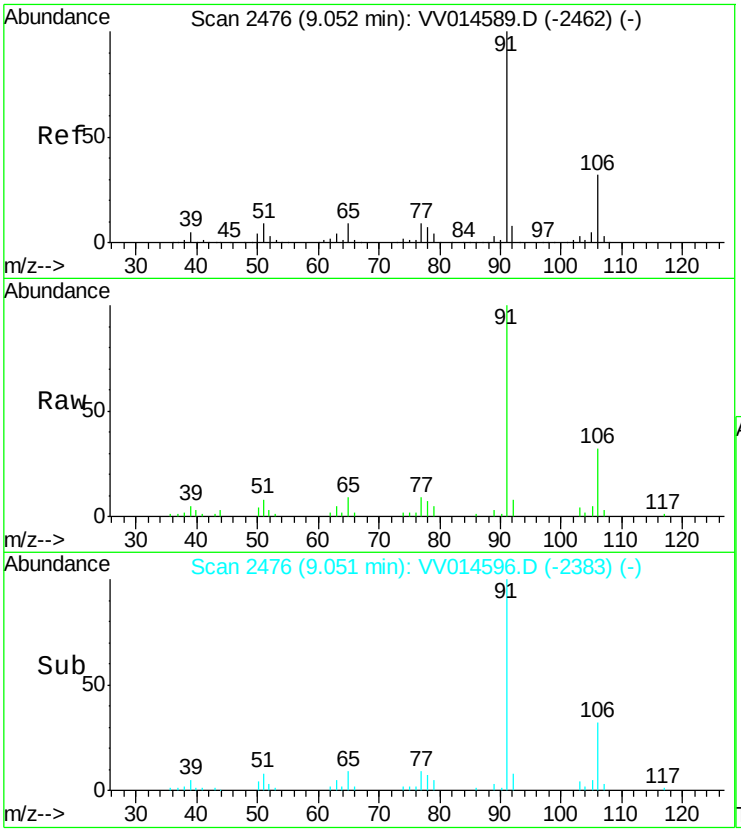


#51
Chlorobenzene
Concen: 2.341 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion:112 Resp: 12374

Ion	Ratio	Lower	Upper
112	100		
114	33.3	22.4	41.6
77	62.6	45.5	68.3

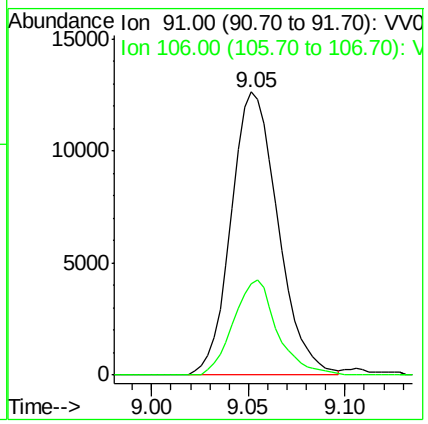




#52
Ethylbenzene
Concen: 2.370 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

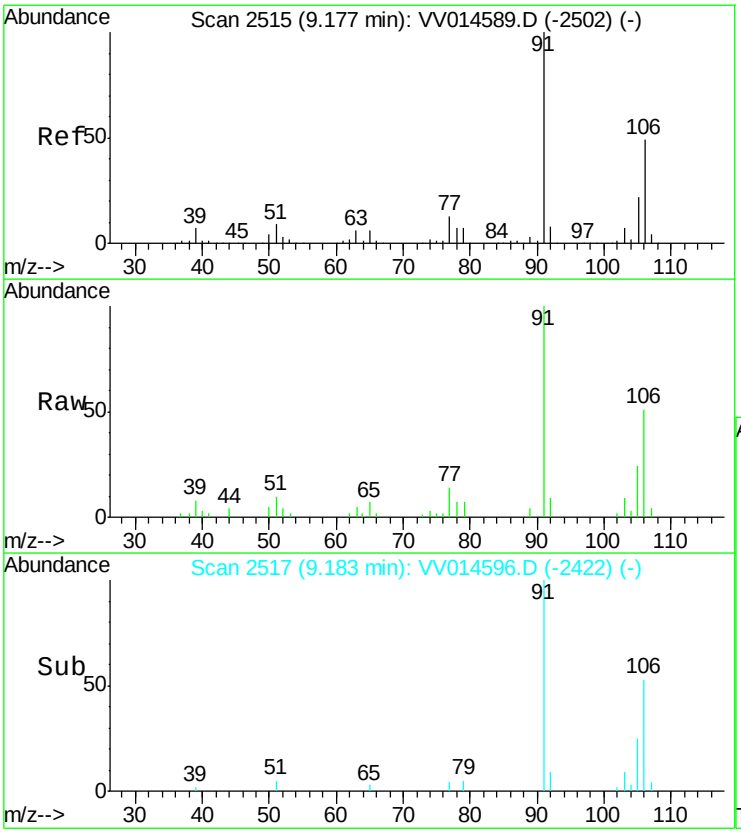
Tgt Ion: 91 Resp: 21295

Ion	Ratio	Lower	Upper
91	100		
106	32.3	22.0	41.0



Instrument :
MSVOA_V
ClientSampleId :
MDL05

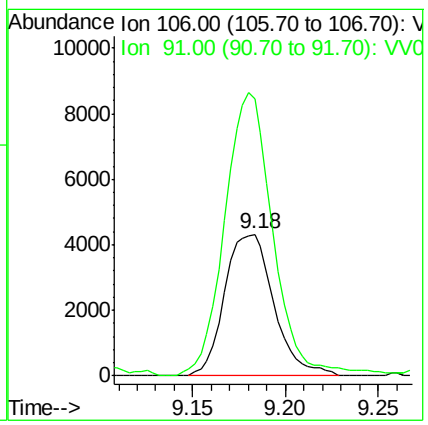
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

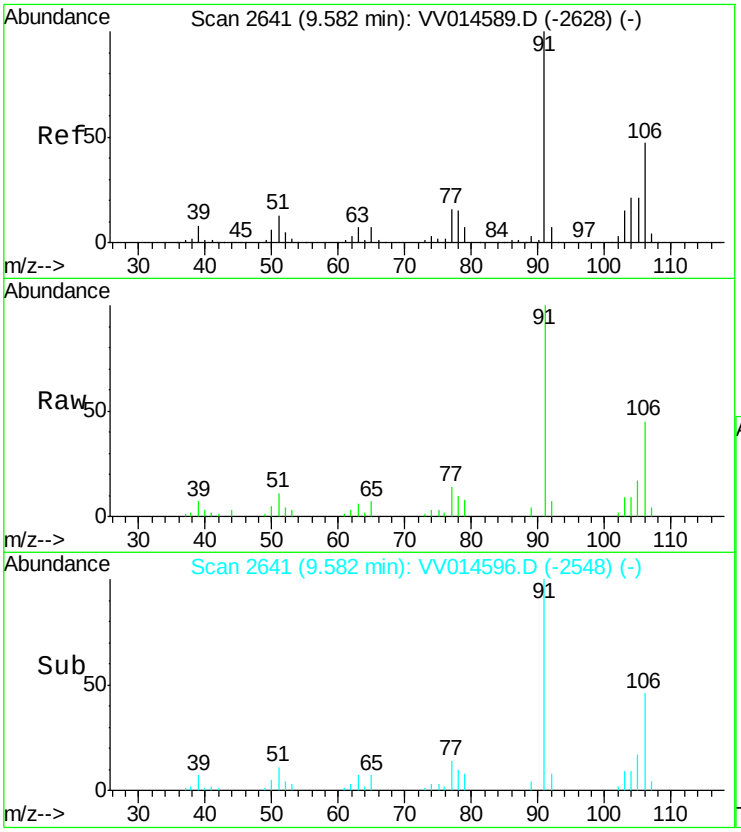


#53
m,p-Xylene
Concen: 2.285 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.01 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion:106 Resp: 7942

Ion	Ratio	Lower	Upper
106	100		
91	195.7	141.7	263.3

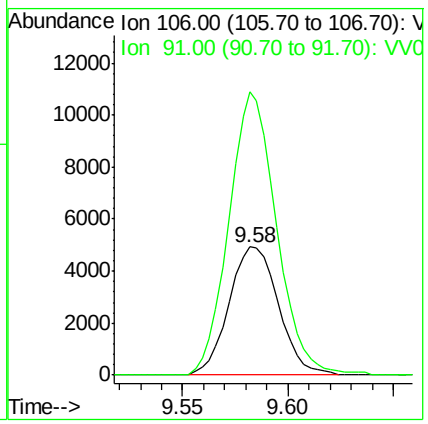




#54
o-Xylene
Concen: 2.404 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

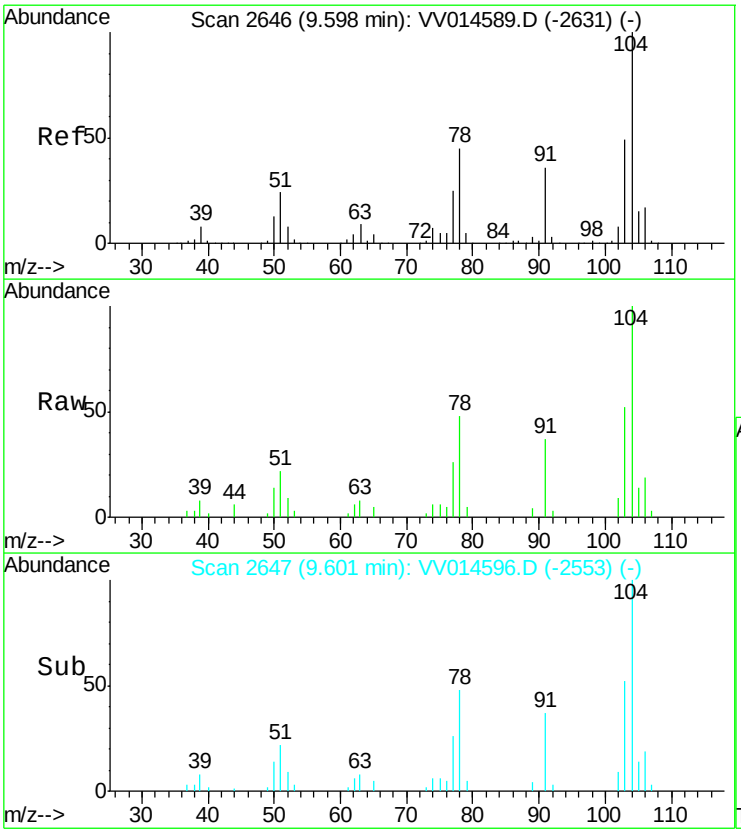
Tgt Ion:106 Resp: 8046

Ion	Ratio	Lower	Upper
106	100		
91	221.2	150.5	279.5



Instrument :
MSVOA_V
ClientSampleId :
MDL05

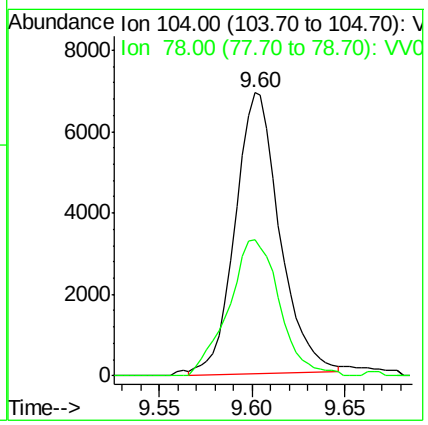
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

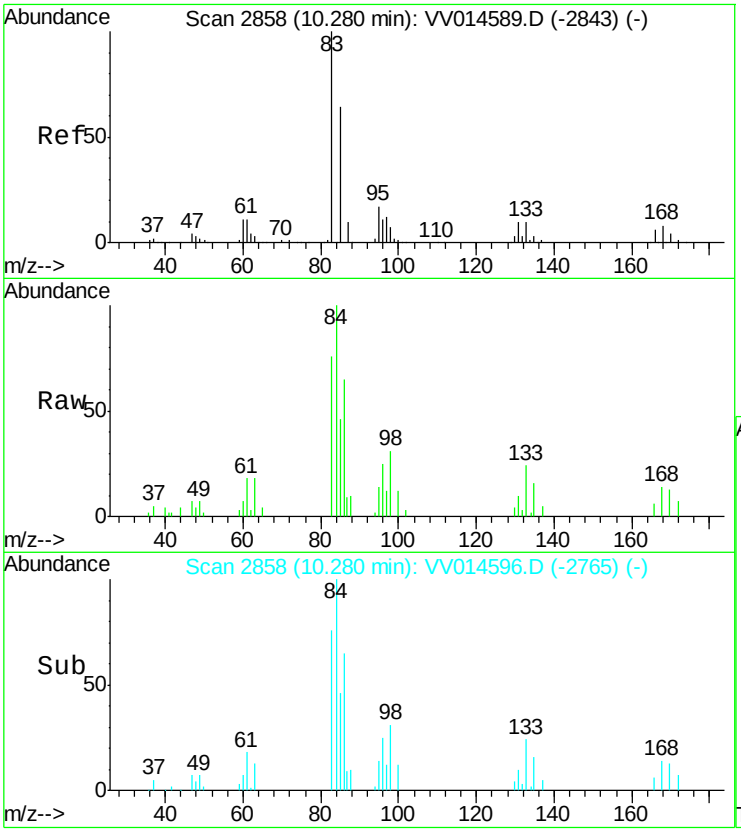


#55
Styrene
Concen: 2.010 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion:104 Resp: 11455

Ion	Ratio	Lower	Upper
104	100		
78	47.9	31.9	59.2

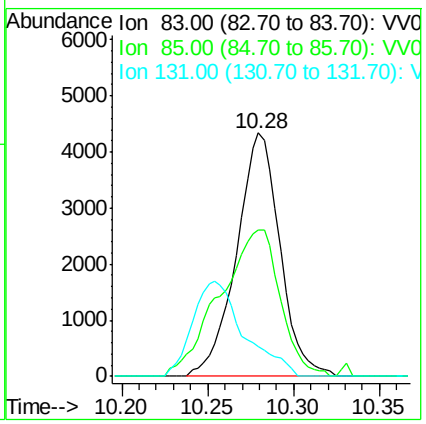




#57
1,1,2,2-Tetrachloroethane
Concen: 2.587 ug/L
RT: 10.28 min Scan# 2858
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

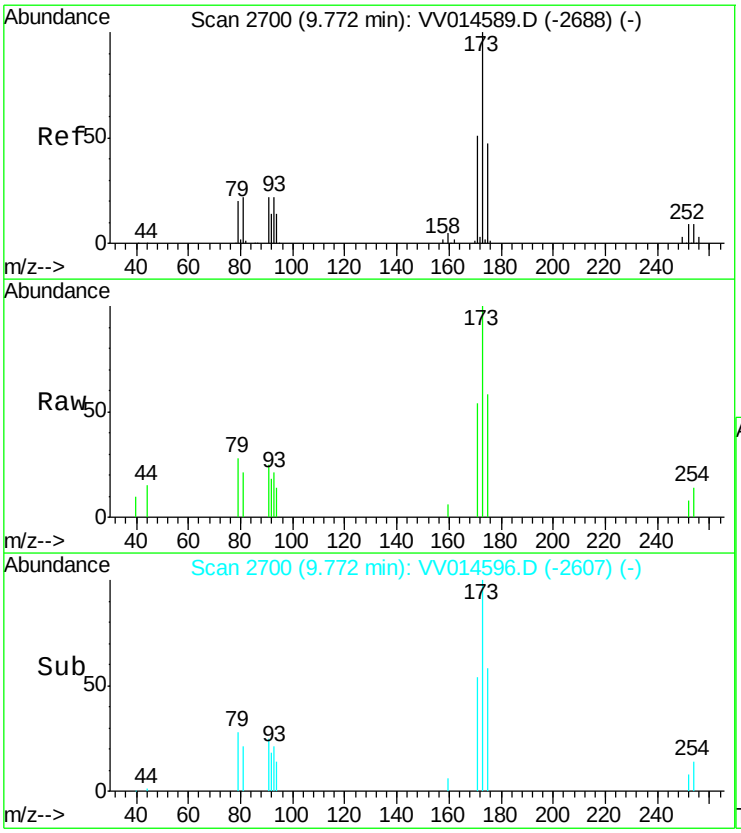
Tgt Ion: 83 Resp: 7625

Ion	Ratio	Lower	Upper
83	100		
85	60.1	44.9	83.3
131	12.5	8.4	12.6



Instrument :
MSVOA_V
ClientSampleId :
MDL05

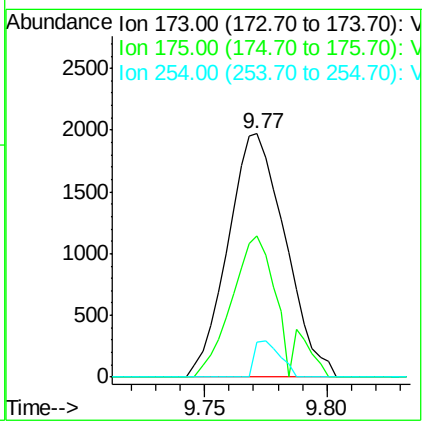
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

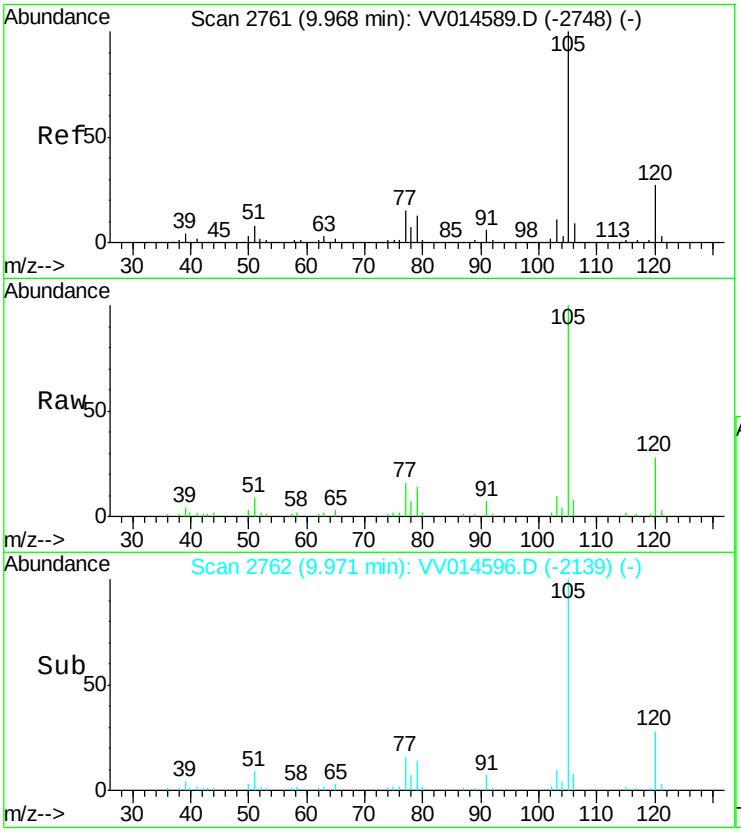


#59
Bromoform
Concen: 2.105 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion:173 Resp: 3217

Ion	Ratio	Lower	Upper
173	100		
175	42.6	38.5	57.7
254	6.5	7.4	11.0#

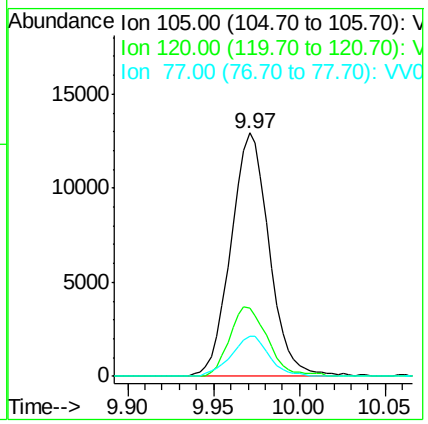




#60
Isopropylbenzene
Concen: 2.338 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

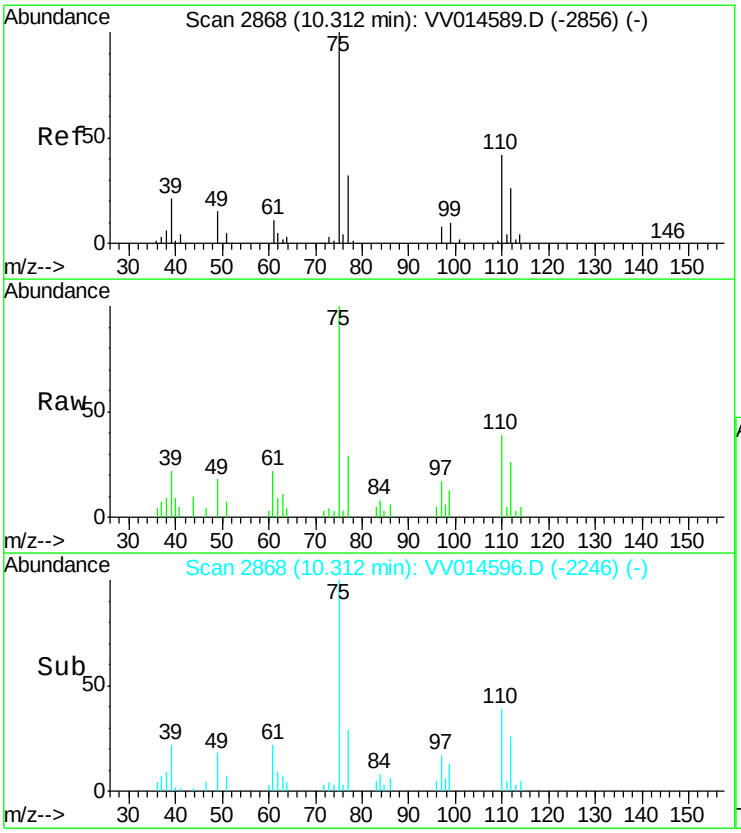
Tgt Ion:105 Resp: 20094

Ion	Ratio	Lower	Upper
105	100		
120	28.3	21.4	32.0
77	16.4	12.2	18.2



Instrument :
MSVOA_V
ClientSampleId :
MDL05

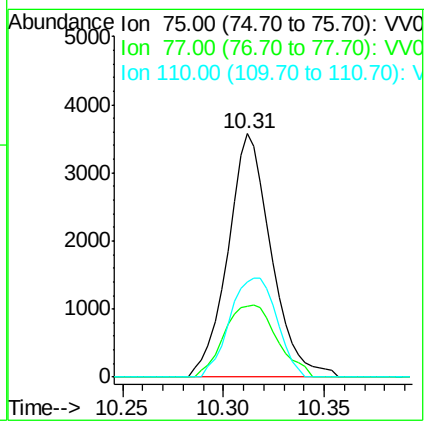
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

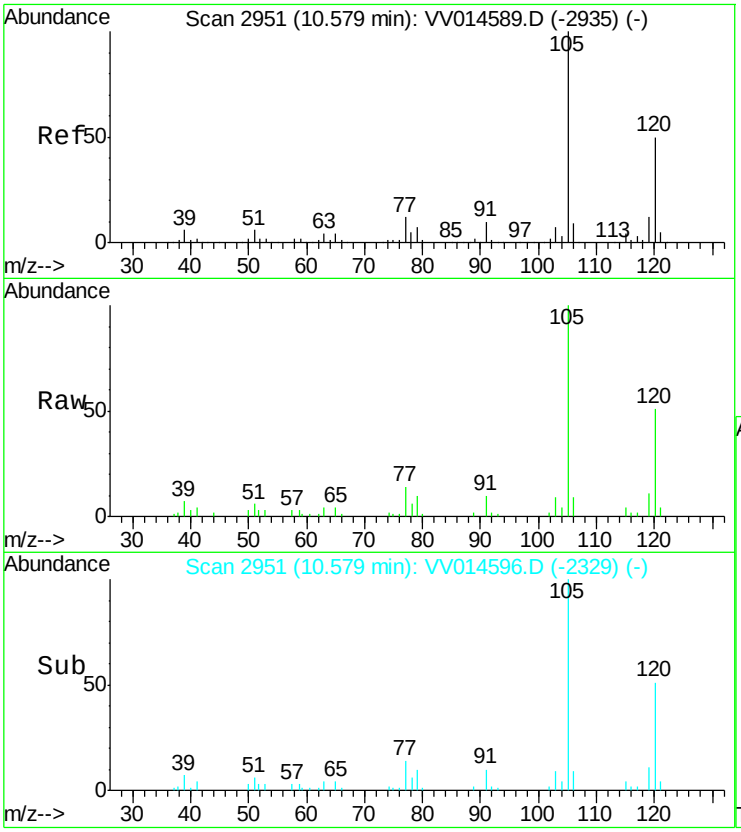


#61
1,2,3-Trichloropropane
Concen: 2.386 ug/L
RT: 10.31 min Scan# 2868
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion: 75 Resp: 5384

Ion	Ratio	Lower	Upper
75	100		
77	35.9	25.6	38.4
110	44.0	33.4	50.0

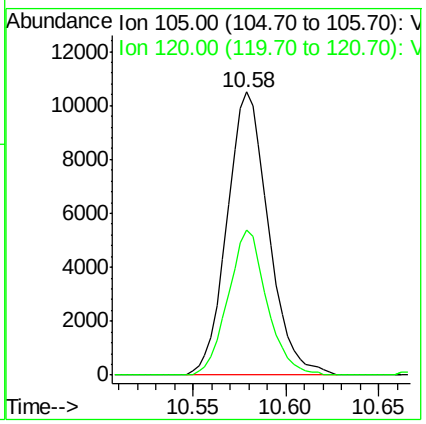




#62
1,3,5-Trimethylbenzene
Concen: 2.223 ug/L
RT: 10.58 min Scan# 2951
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

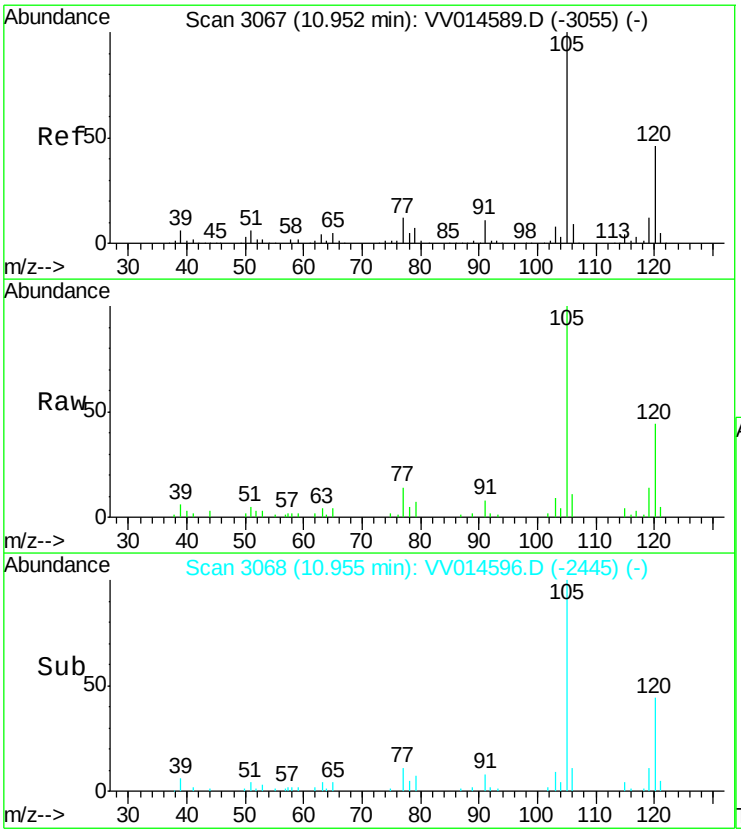
Tgt Ion:105 Resp: 16320

Ion	Ratio	Lower	Upper
105	100		
120	47.8	39.8	59.6



Instrument :
MSVOA_V
ClientSampleId :
MDL05

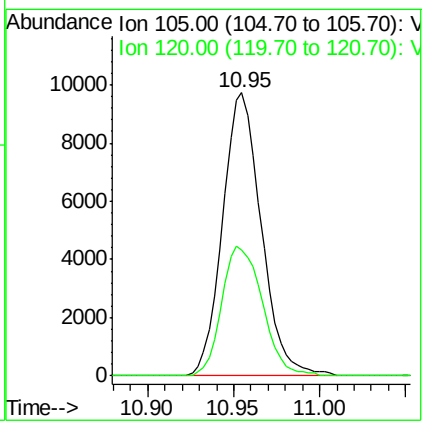
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

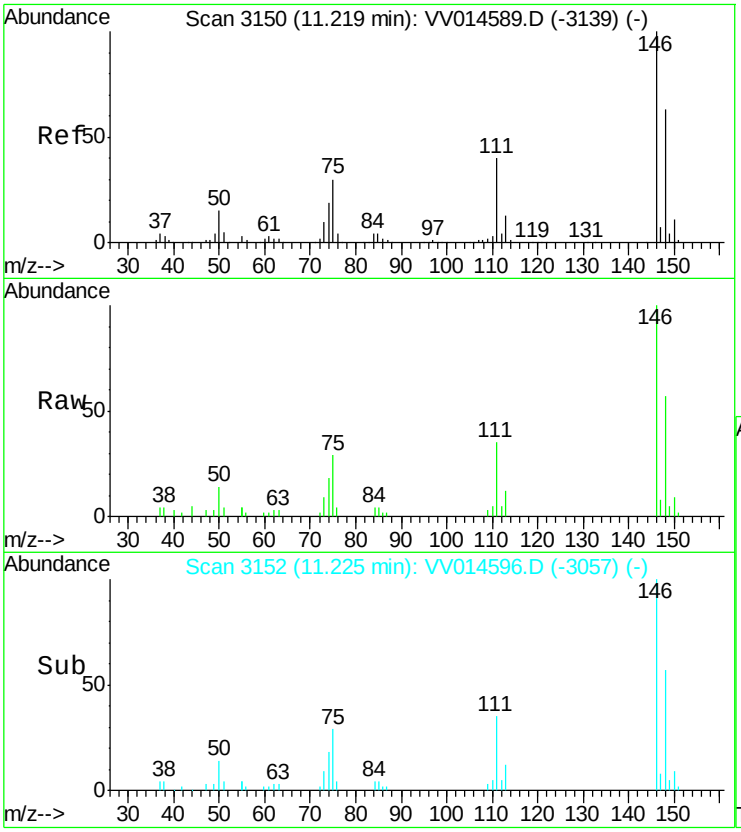


#63
1,2,4-Trimethylbenzene
Concen: 2.125 ug/L
RT: 10.95 min Scan# 3068
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion:105 Resp: 15239

Ion	Ratio	Lower	Upper
105	100		
120	48.1	36.6	55.0

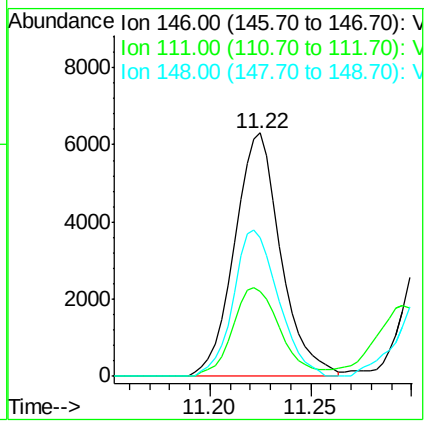




#64
1,3-Dichlorobenzene
Concen: 2.467 ug/L
RT: 11.22 min Scan# 3152
Delta R.T. 0.01 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

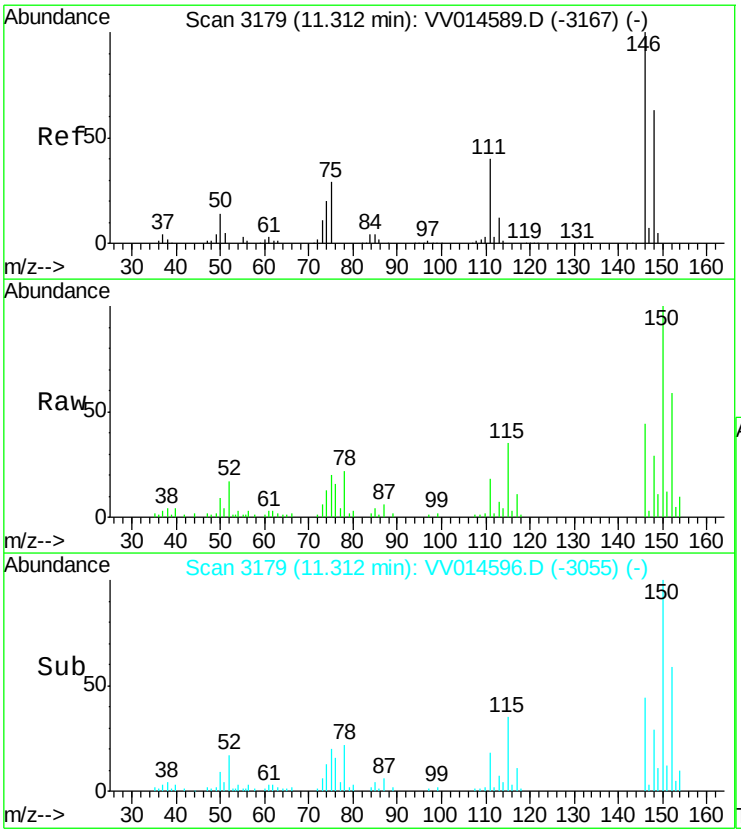
Tgt Ion:146 Resp: 10163

Ion	Ratio	Lower	Upper
146	100		
111	34.7	28.3	52.5
148	56.8	44.0	81.8



Instrument :
MSVOA_V
ClientSampleId :
MDL05

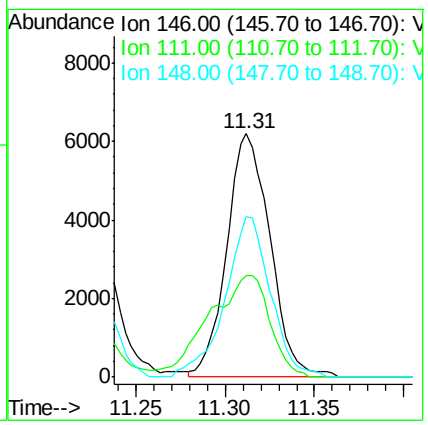
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

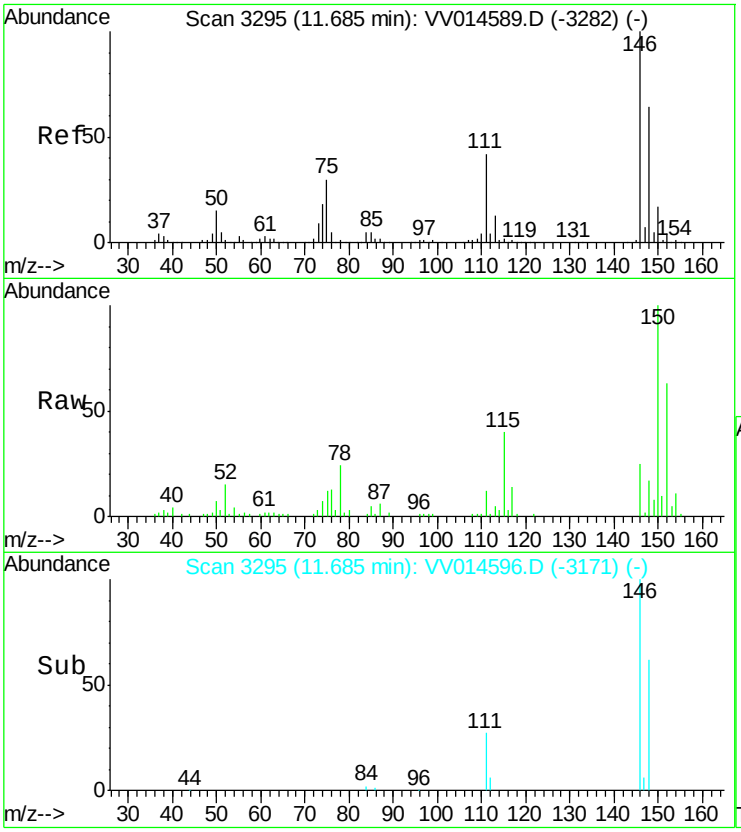


#65
1,4-Dichlorobenzene
Concen: 2.481 ug/L
RT: 11.31 min Scan# 3179
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion:146 Resp: 10469

Ion	Ratio	Lower	Upper
146	100		
111	41.6	27.9	51.9
148	66.0	44.2	82.2

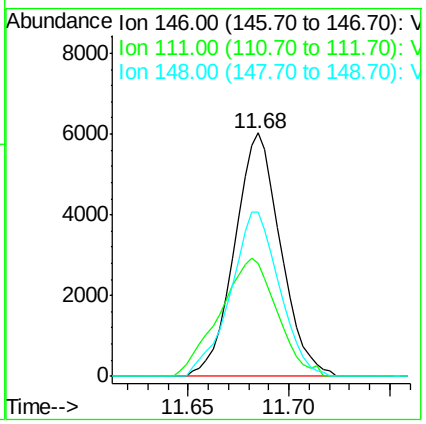




#67
1,2-Dichlorobenzene
Concen: 2.374 ug/L
RT: 11.68 min Scan# 3295
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

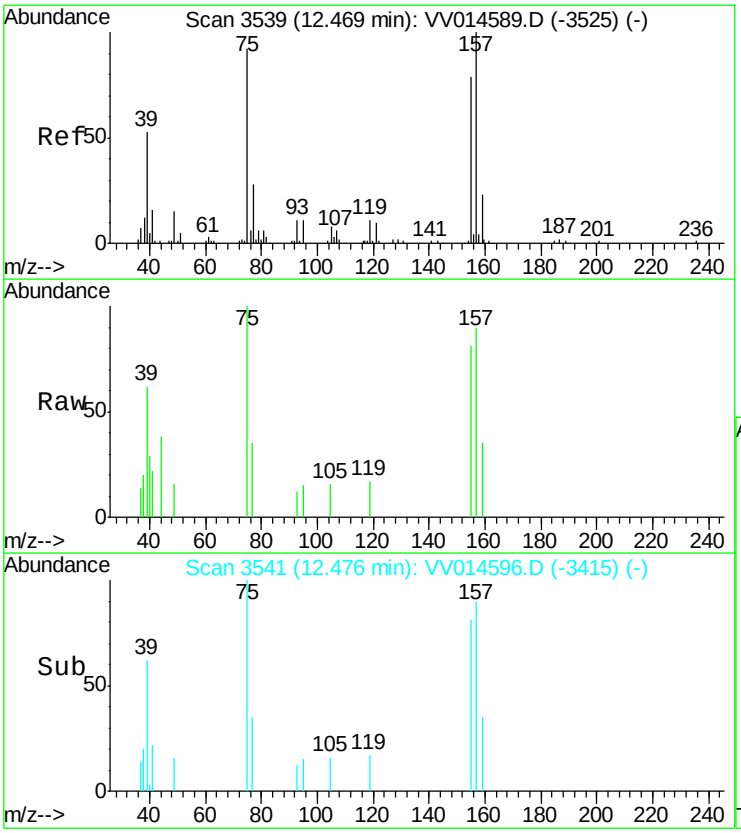
Tgt Ion:146 Resp: 9624

Ion	Ratio	Lower	Upper
146	100		
111	46.5	34.1	51.1
148	67.4	51.1	76.7



Instrument :
MSVOA_V
ClientSampleId :
MDL05

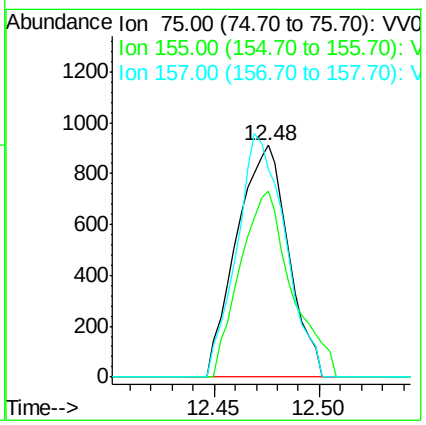
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

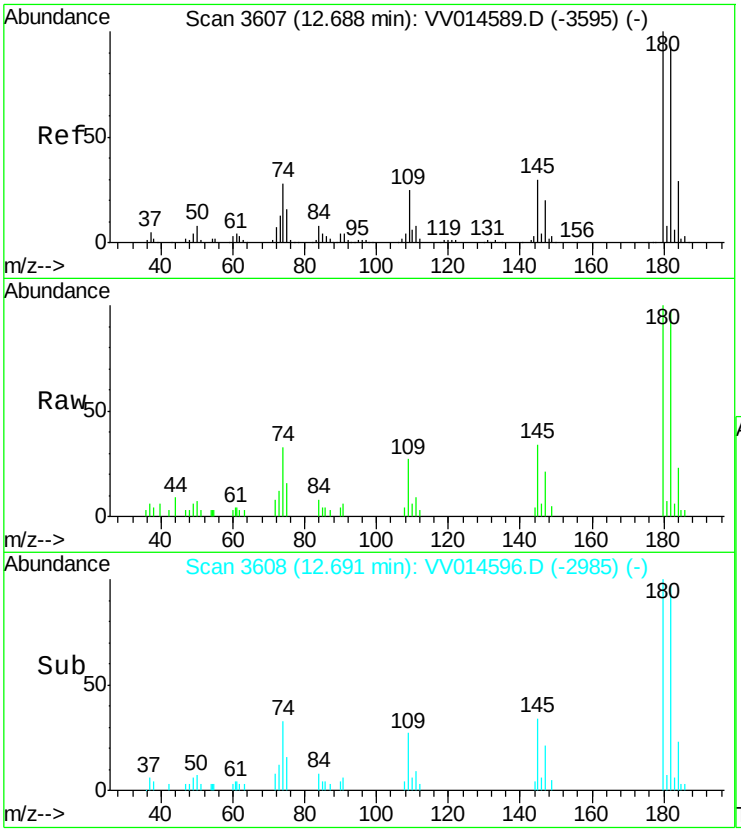


#68
1,2-Dibromo-3-chloropropane
Concen: 2.290 ug/L
RT: 12.48 min Scan# 3541
Delta R.T. 0.01 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion: 75 Resp: 1553

Ion	Ratio	Lower	Upper
75	100		
155	80.6	69.4	104.0
157	89.8	87.4	131.0

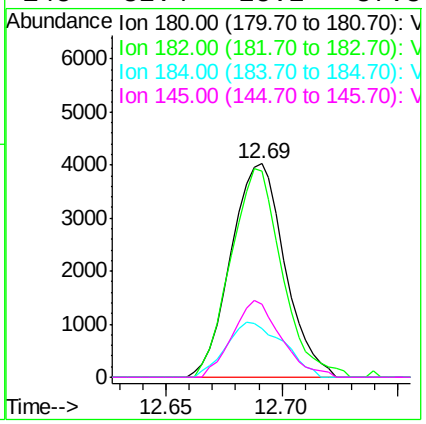




#69
1,3,5-Trichlorobenzene
Concen: 2.185 ug/L
RT: 12.69 min Scan# 3608
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

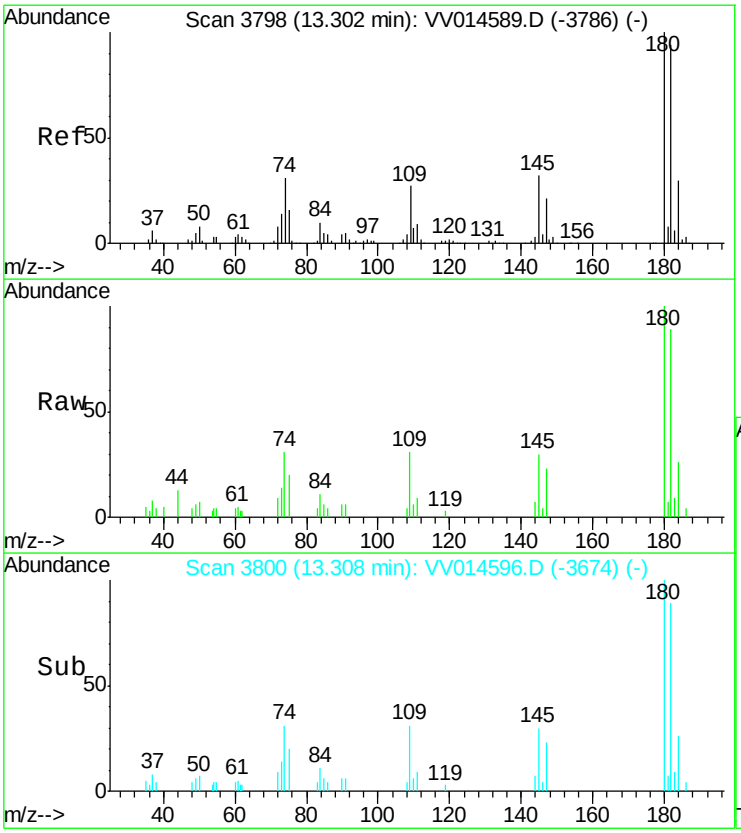
Tgt Ion:180 Resp: 6502

Ion	Ratio	Lower	Upper
180	100		
182	92.7	75.6	113.4
184	27.3	23.4	35.2
145	32.4	25.2	37.8



Instrument :
MSVOA_V
ClientSampleId :
MDL05

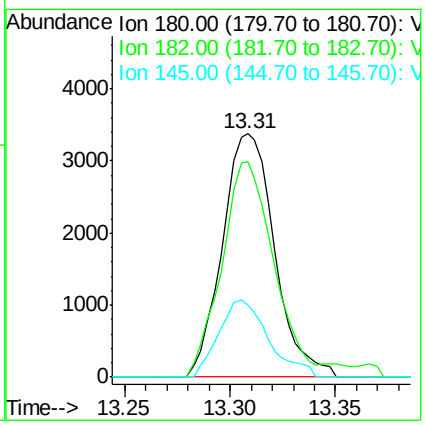
Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM

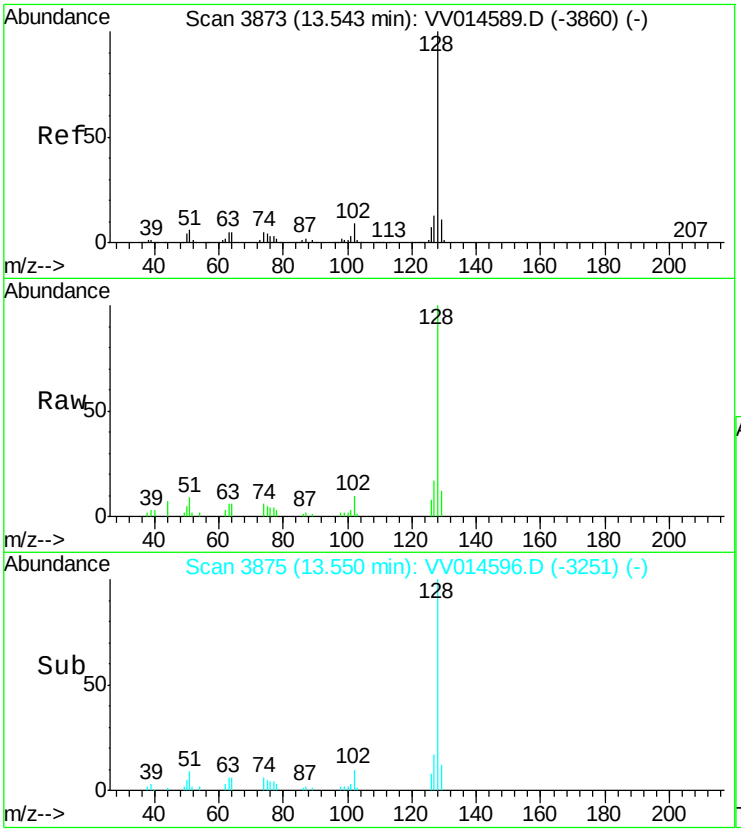


#70
1,2,4-trichlorobenzene
Concen: 2.160 ug/L
RT: 13.31 min Scan# 3800
Delta R.T. 0.01 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion:180 Resp: 5811

Ion	Ratio	Lower	Upper
180	100		
182	87.7	75.8	113.6
145	30.3	25.5	38.3

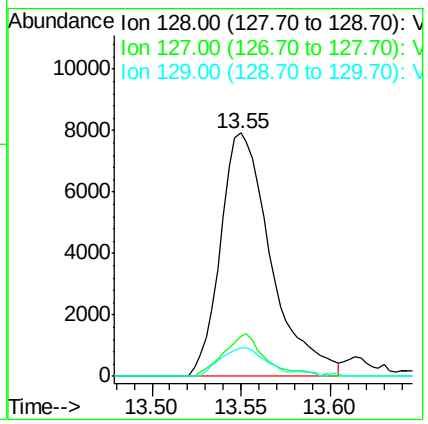




#71
Naphthalene
Concen: 1.893 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.01 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

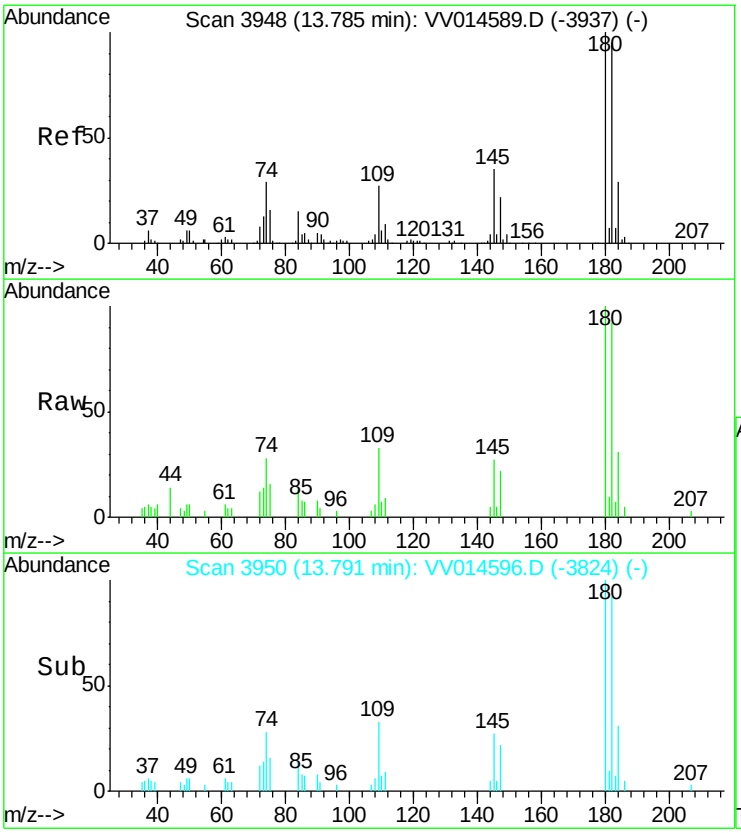
Tgt Ion:128 Resp: 15591

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	10.3	8.6	13.0



Instrument :
MSVOA_V
ClientSampleId :
MDL05

Manual Integrations APPROVED
MMDadoda
2/24/2020 12:32:49 PM



#72
1,2,3-Trichlorobenzene
Concen: 2.058 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.01 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion:180 Resp: 5404

Ion	Ratio	Lower	Upper
180	100		
182	89.8	76.0	114.0
145	30.6	27.7	41.5