Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\

Quantitation Report (QT/LSC Reviewed)

Data File : VV016252.D
Acq On : 28 May 2020 01:23
Operator : SY/MD
Sample : L2766-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z2

Manual Integrations APPROVED
MMDadoda
5/29/2020 11:55:27 AM

Quant Time: May 29 11:54:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 28 06:30:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	99419	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	96773	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	50599	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.31	65	26215	4.11	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 82.20%			
7) Chloroethane-d5	1.58	69	25236	4.50	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 90.00%			
11) 1,1-Dichloroethene-d2	2.12	63	39283	3.28	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 65.60%			
20) 2-Butanone-d5	3.98	46	67081	42.35	ug/L	0.05
Spiked Amount 50.000	Range 40 - 130		Recovery = 84.70%			
24) Chloroform-d	4.38	84	55345	4.35	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 87.00%			
26) 1,2-Dichloroethane-d4	5.07	65	32147	4.78	ug/L	0.01
Spiked Amount 5.000	Range 70 - 130		Recovery = 95.60%			
32) Benzene-d6	5.08	84	113664	4.74	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 94.80%			
36) 1,2-Dichloropropane-d6	6.10	67	33564	4.53	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 90.60%			
41) Toluene-d8	7.35	98	105976	4.64	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 92.80%			
45) trans-1,3-Dichloropropene-	7.65	79	12199	4.41	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 88.20%			
48) 2-Hexanone-d5	8.12	63	61829	48.77	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 97.54%			
59) 1,1,2,2-Tetrachloroethane-	10.24	84	27773	5.07	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 101.40%			
65) 1,2-Dichlorobenzene-d4	11.65	152	40777	4.83	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 96.60%			
Target Compounds						Qvalue
5) Vinyl chloride	1.32	62	232207	26.670	ug/L	99
8) Chloroethane	1.59	64	258297	53.097	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	9000	1.467	ug/L	99
12) 1,1-Dichloroethene	2.13	96	4321	0.737	ug/L #	1
13) Acetone	2.25	43	62165	63.407	ug/L	72
19) 1,1-Dichloroethane	3.21	63	159748	13.105	ug/L	99
21) 2-Butanone	4.06	43	34813	19.961	ug/L	97
22) cis-1,2-Dichloroethene	3.94	96	1904153	250.888	ug/L	97
29) 1,1,1-Trichloroethane	4.63	97	11816	1.029	ug/L	96
30) Cyclohexane	4.69	56	67403	5.476	ug/L	98
33) Benzene	5.13	78	27474169m	986.576	ug/L	
35) Methylcyclohexane	6.15	83	67227	5.494	ug/L	95
40) 4-Methyl-2-pentanone	7.29	43	83577	19.668	ug/L	97
42) Toluene	7.42	91	32950971m	1084.993	ug/L	
53) Chlorobenzene	8.90	112	2097352	111.764	ug/L	99
54) Ethylbenzene	9.04	91	9235923	272.833	ug/L	95
55) m,p-xylene	9.17	106	6965916	548.772	ug/L	85

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\

Quantitation Report (QT/LSC Reviewed)

Data File : VV016252.D
Acq On : 28 May 2020 01:23
Operator : SY/MD
Sample : L2766-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BE4Z2

Manual Integrations APPROVED
MMDadoda
5/29/2020 11:55:27 AM

Quant Time: May 29 11:54:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 28 06:30:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) o-xylene	9.57	106	1917405	158.508	ug/L	95
58) Isopropylbenzene	9.96	105	1774076	53.540	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	21194	1.373	ug/L	96
64) 1,4-Dichlorobenzene	11.30	146	178265	11.361	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	210456	15.078	ug/L	99

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\

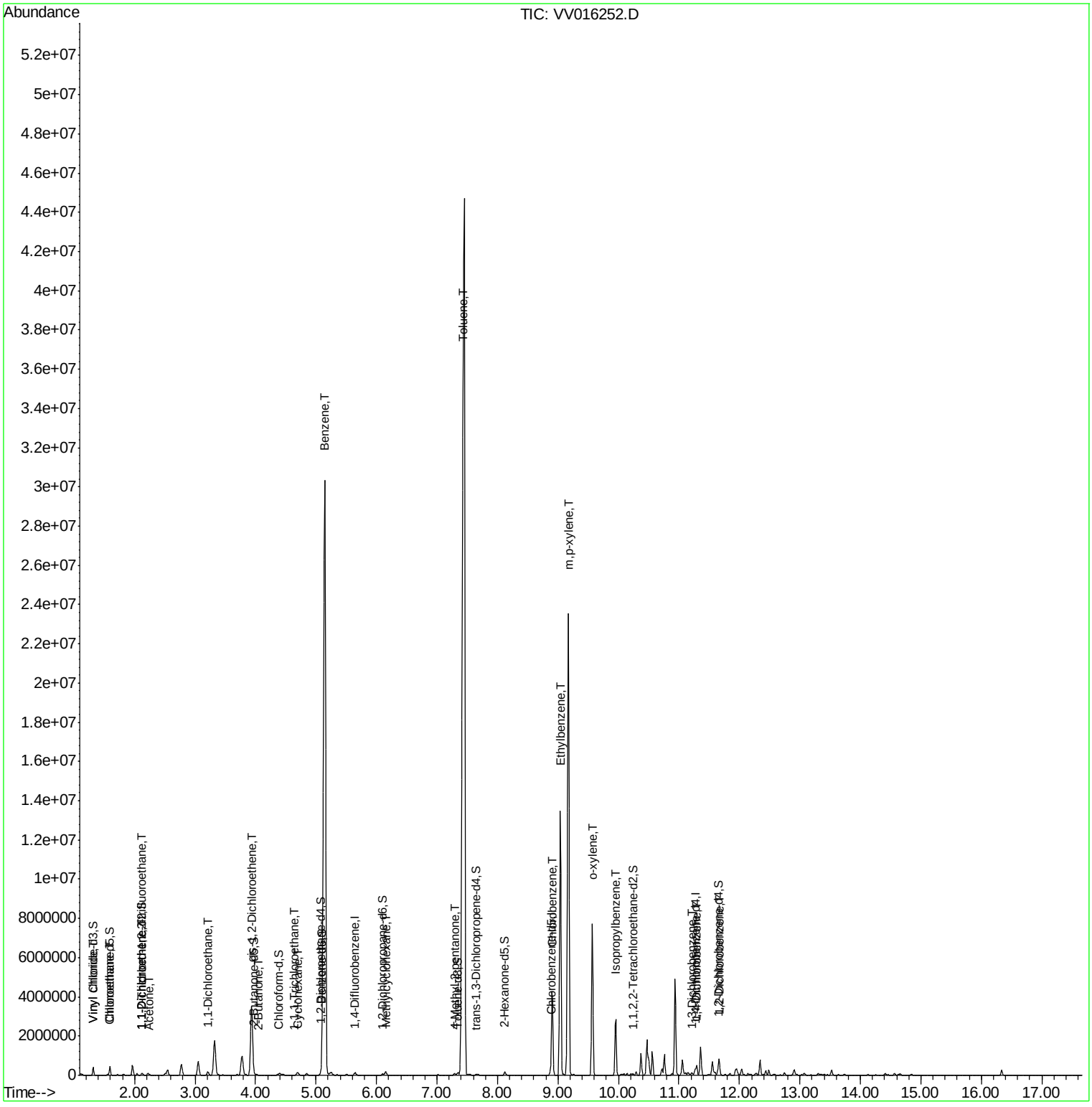
Quantitation Report (QT/LSC Reviewed)

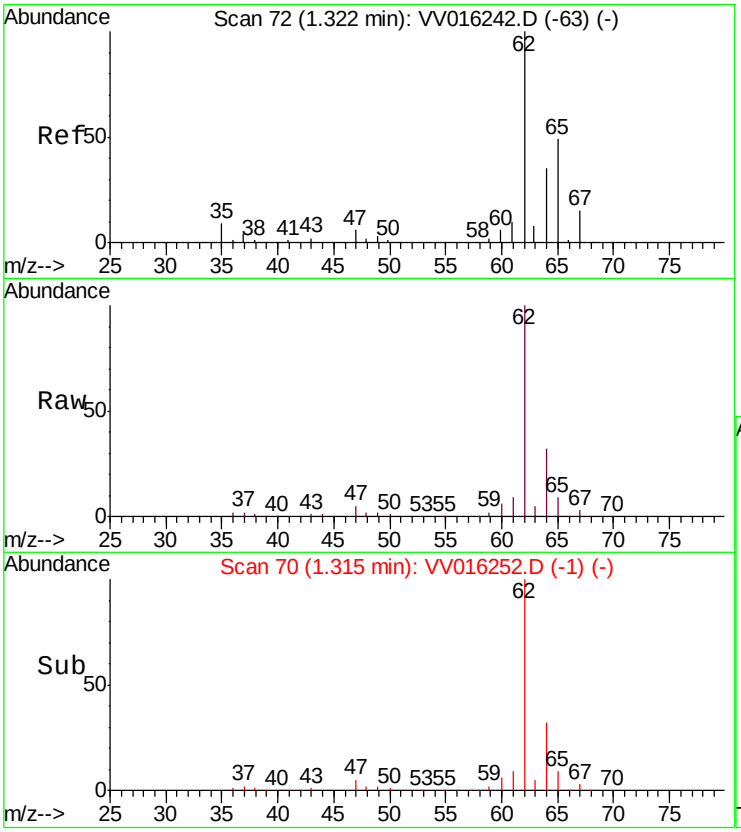
Data File : VV016252.D
Acq On : 28 May 2020 01:23
Operator : SY/MD
Sample : L2766-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

Quant Time: May 29 11:54:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 28 06:30:54 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
BE4Z2

Manual Integrations APPROVED
MMDadoda
5/29/2020 11:55:27 AM

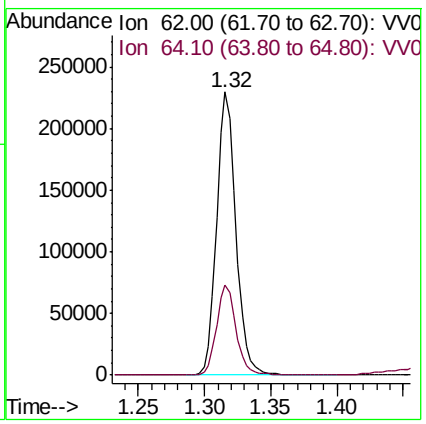




#5
Vinyl chloride
Concen: 26.670 ug/L
RT: 1.32 min Scan# 70
Delta R.T. -0.01 min
Lab File: VV016252.D
Acq: 28 May 2020 01:23

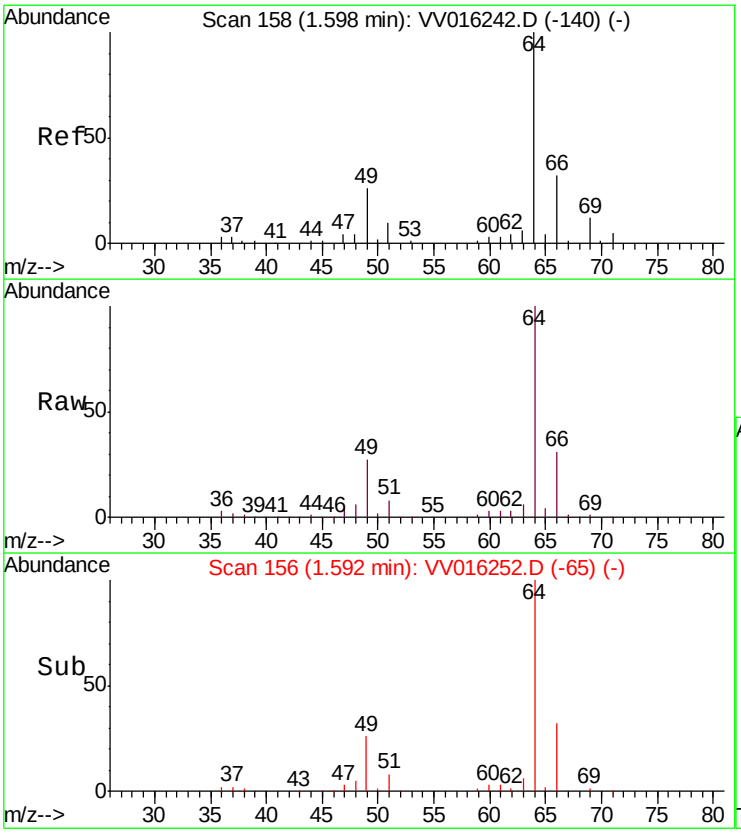
Tgt Ion: 62 Resp: 232207

Ion	Ratio	Lower	Upper
62	100		
64	31.9	22.1	41.1



Instrument :
MSVOA_V
ClientSampleId :
BE4Z2

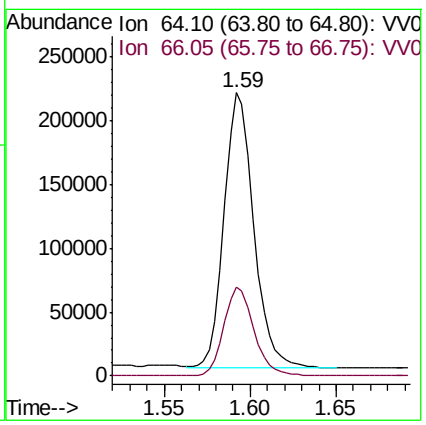
Manual Integrations APPROVED
MMDadoda
5/29/2020 11:55:27 AM

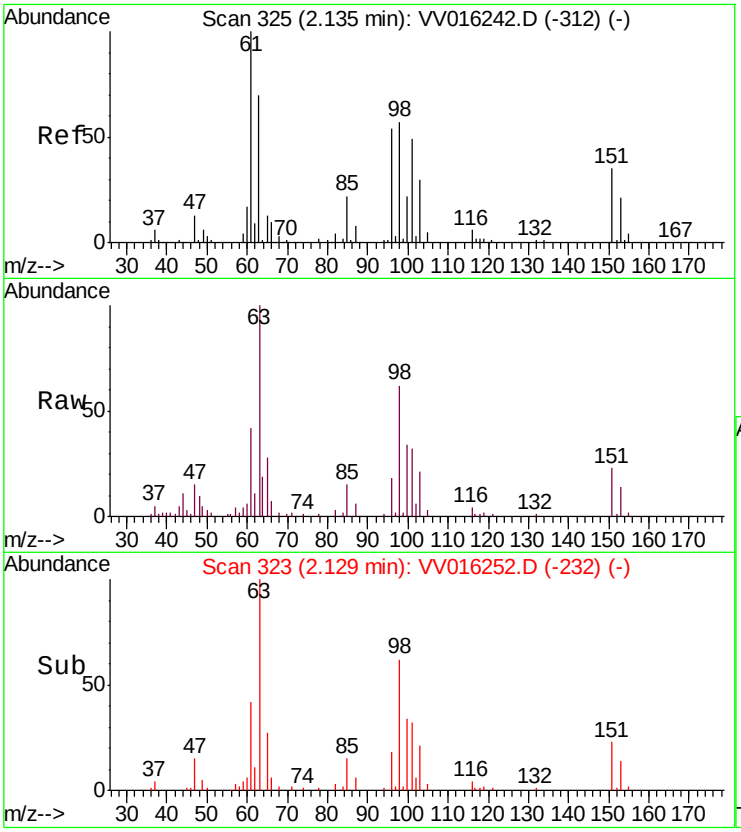


#8
Chloroethane
Concen: 53.097 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.01 min
Lab File: VV016252.D
Acq: 28 May 2020 01:23

Tgt Ion: 64 Resp: 258297

Ion	Ratio	Lower	Upper
64	100		
66	31.4	22.9	42.5





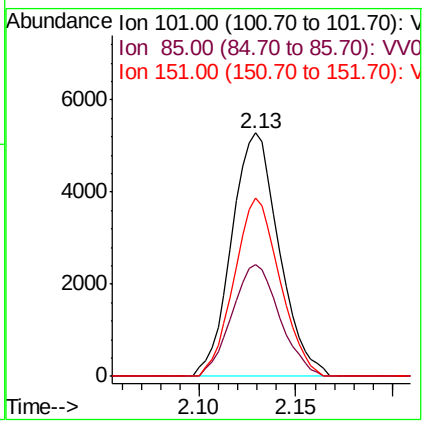
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.467 ug/L
RT: 2.13 min Scan# 323
Delta R.T. -0.01 min
Lab File: VV016252.D
Acq: 28 May 2020 01:23

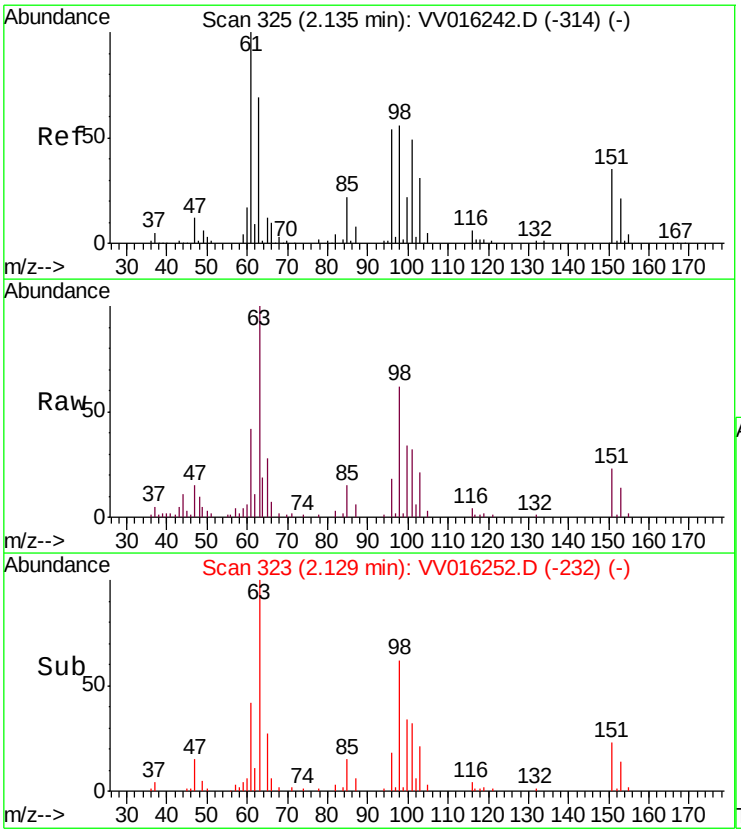
Instrument :
MSVOA_V
ClientSampleId :
BE4Z2

Manual Integrations APPROVED
MMDadoda
5/29/2020 11:55:27 AM

Tgt Ion:101 Resp: 9000

Ion	Ratio	Lower	Upper
101	100		
85	46.1	35.0	52.6
151	70.5	56.3	84.5

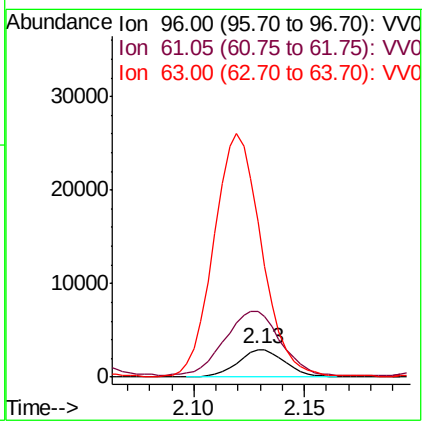


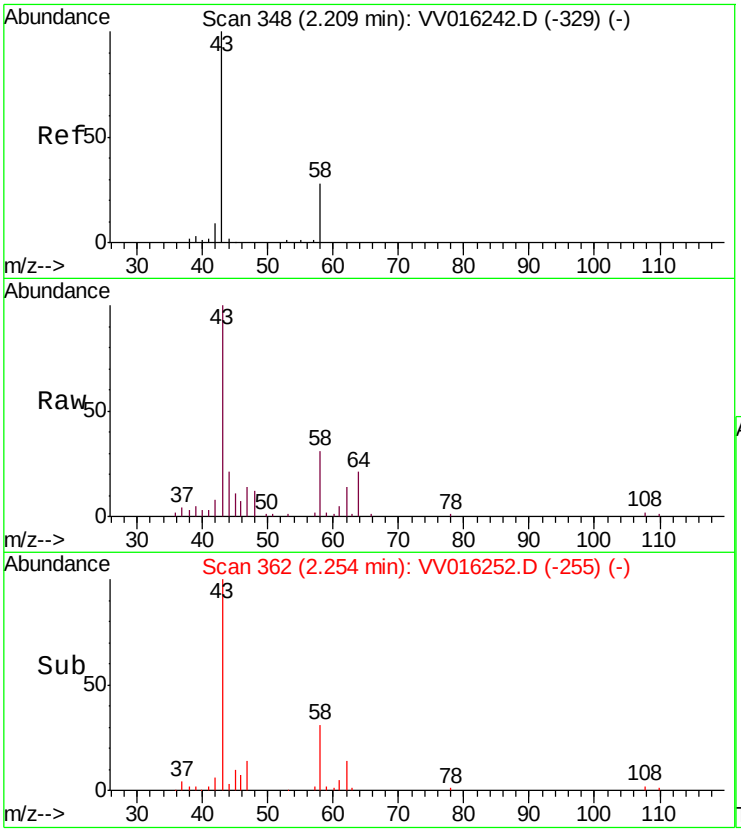


#12
1,1-Dichloroethene
Concen: 0.737 ug/L
RT: 2.13 min Scan# 323
Delta R.T. -0.01 min
Lab File: VV016252.D
Acq: 28 May 2020 01:23

Tgt Ion: 96 Resp: 4321

Ion	Ratio	Lower	Upper
96	100		
61	235.7	124.9	231.9#
63	560.1	80.4	149.2#

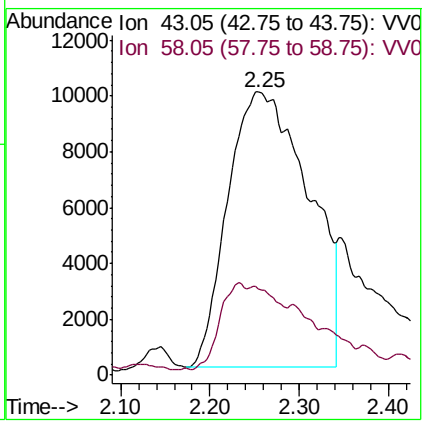




#13
Acetone
Concen: 63.407 ug/L
RT: 2.25 min Scan# 362
Delta R.T. 0.05 min
Lab File: VV016252.D
Acq: 28 May 2020 01:23

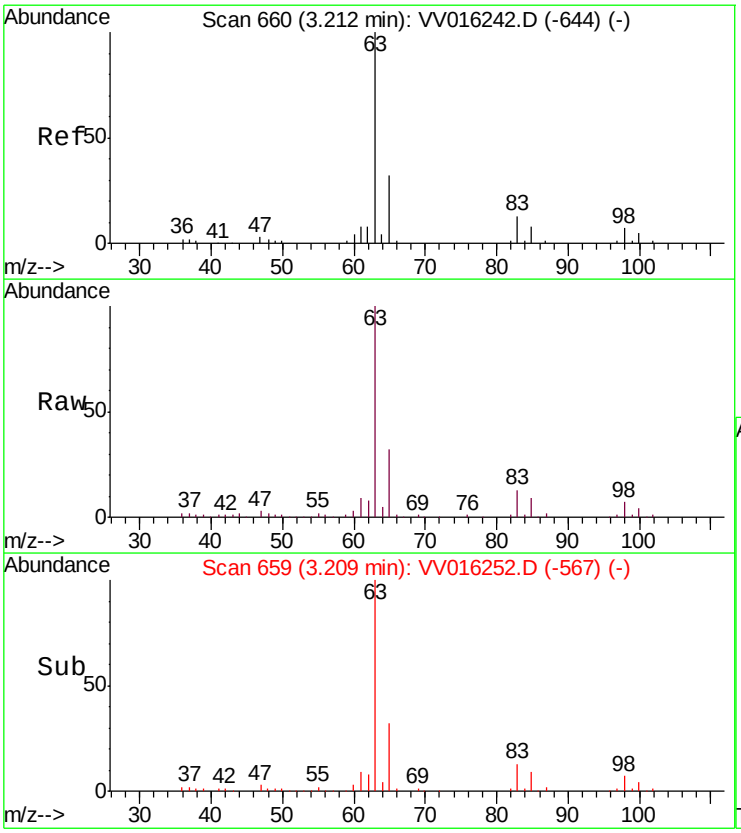
Tgt Ion: 43 Resp: 62165

Ion	Ratio	Lower	Upper
43	100		
58	10.3	0.0	48.8



Instrument :
MSVOA_V
ClientSampleId :
BE4Z2

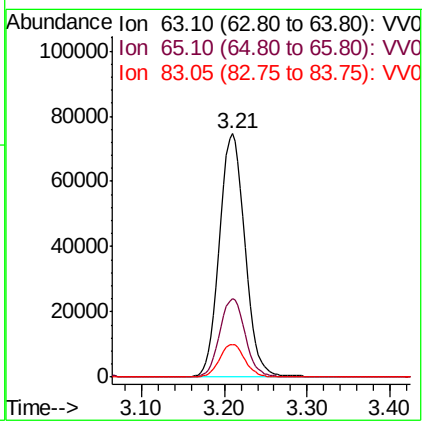
Manual Integrations APPROVED
MMDadoda
5/29/2020 11:55:27 AM

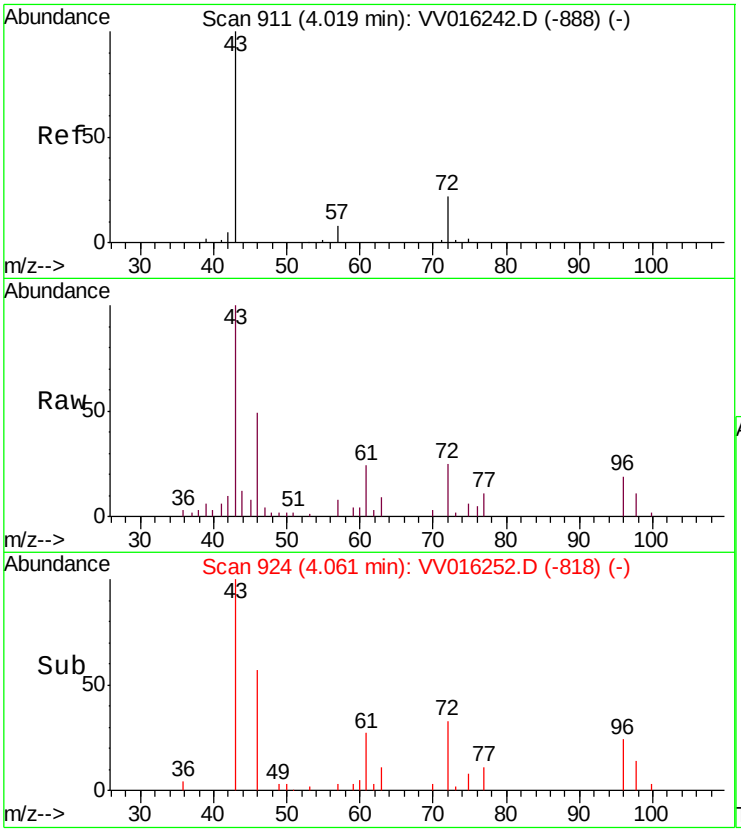


#19
1,1-Dichloroethane
Concen: 13.105 ug/L
RT: 3.21 min Scan# 659
Delta R.T. -0.00 min
Lab File: VV016252.D
Acq: 28 May 2020 01:23

Tgt Ion: 63 Resp: 159748

Ion	Ratio	Lower	Upper
63	100		
65	32.3	22.3	41.5
83	13.5	9.4	17.4

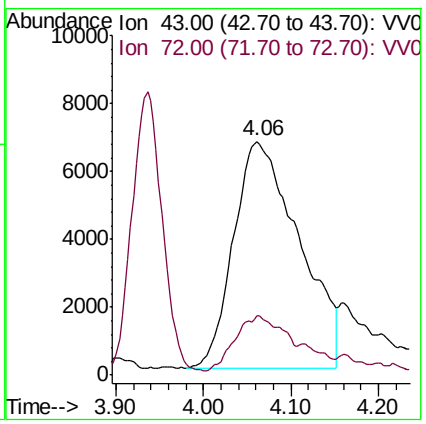




#21
2-Butanone
Concen: 19.961 ug/L
RT: 4.06 min Scan# 924
Delta R.T. 0.04 min
Lab File: VV016252.D
Acq: 28 May 2020 01:23

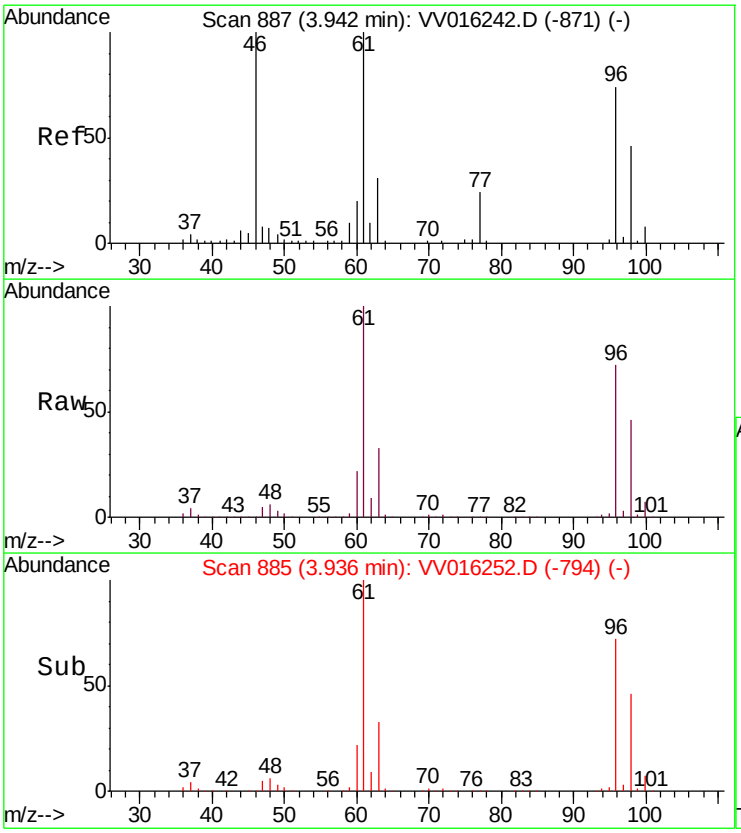
Tgt Ion: 43 Resp: 34813

Ion	Ratio	Lower	Upper
43	100		
72	17.8	9.7	28.9



Instrument :
MSVOA_V
ClientSampleId :
BE4Z2

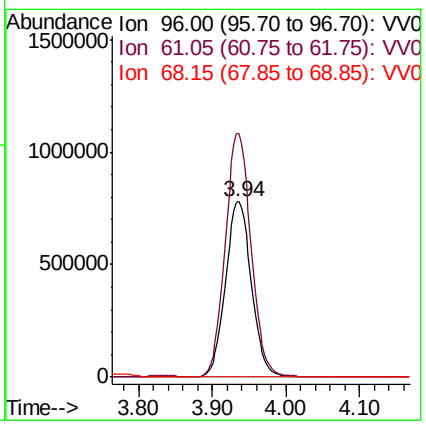
Manual Integrations APPROVED
MMDadoda
5/29/2020 11:55:27 AM

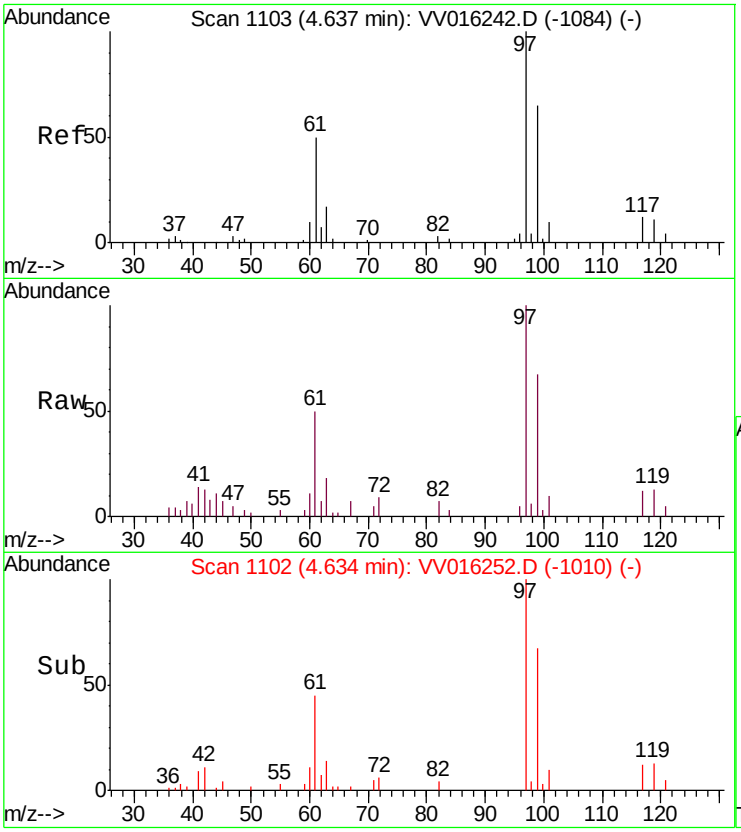


#22
cis-1,2-Dichloroethene
Concen: 250.888 ug/L
RT: 3.94 min Scan# 885
Delta R.T. -0.01 min
Lab File: VV016252.D
Acq: 28 May 2020 01:23

Tgt Ion: 96 Resp: 1904153

Ion	Ratio	Lower	Upper
96	100		
61	138.6	99.7	185.1
68	0.0	0.0	0.0

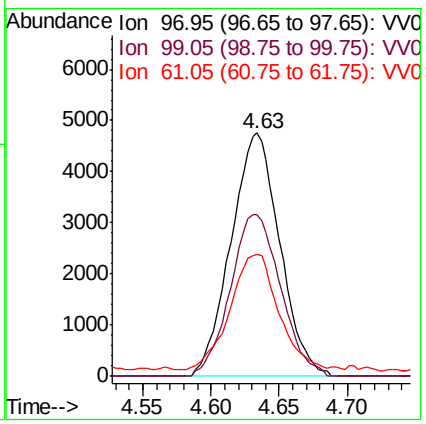




#29
1,1,1-Trichloroethane
Concen: 1.029 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV016252.D
Acq: 28 May 2020 01:23

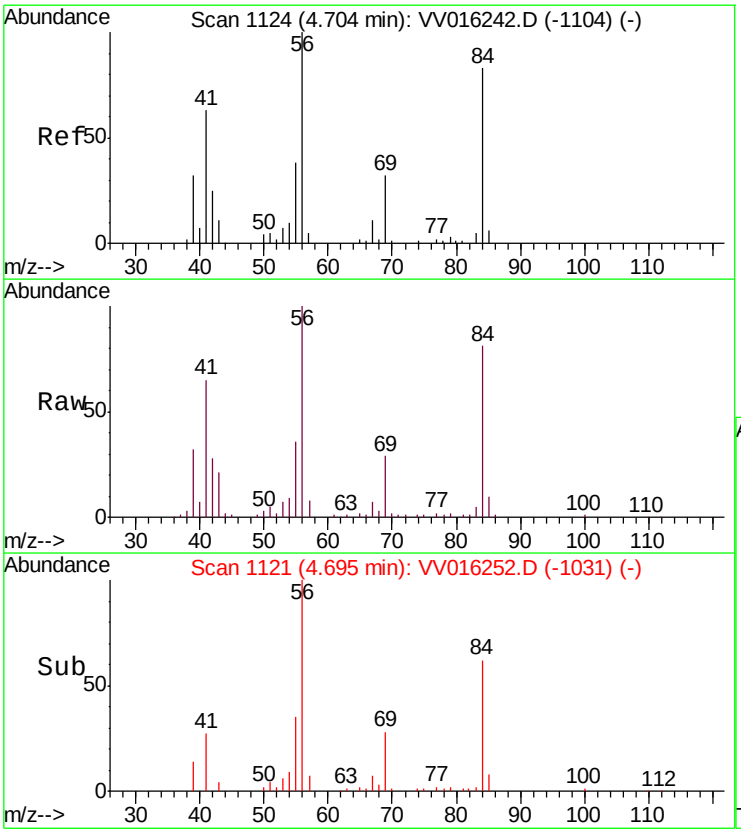
Tgt Ion: 97 Resp: 11816

Ion	Ratio	Lower	Upper
97	100		
99	68.3	51.2	76.8
61	46.6	38.6	57.8



Instrument :
MSVOA_V
ClientSampleId :
BE4Z2

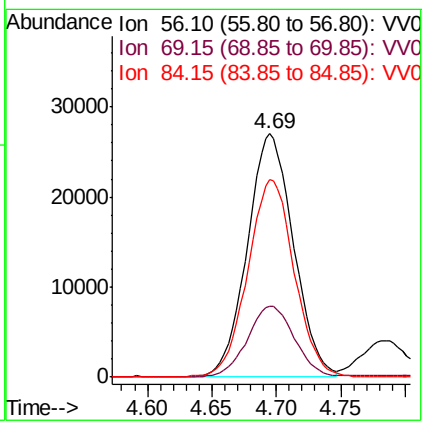
Manual Integrations APPROVED
MMDadoda
5/29/2020 11:55:27 AM

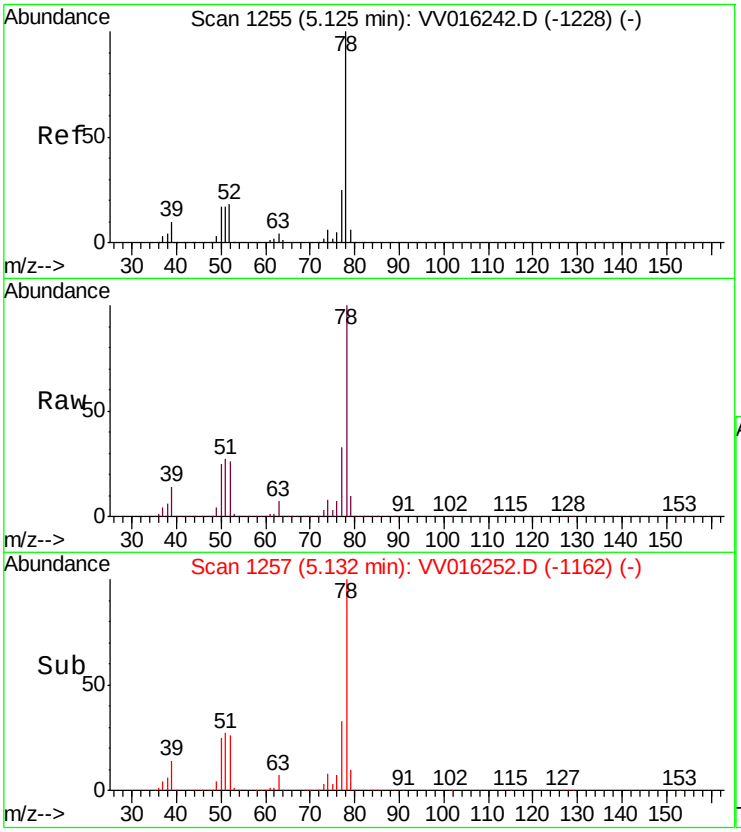


#30
Cyclohexane
Concen: 5.476 ug/L
RT: 4.69 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VV016252.D
Acq: 28 May 2020 01:23

Tgt Ion: 56 Resp: 67403

Ion	Ratio	Lower	Upper
56	100		
69	29.9	24.6	36.8
84	81.6	67.1	100.7



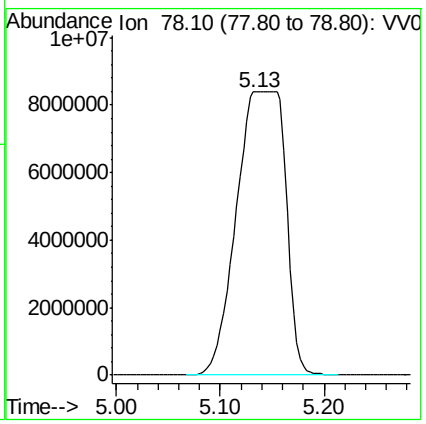


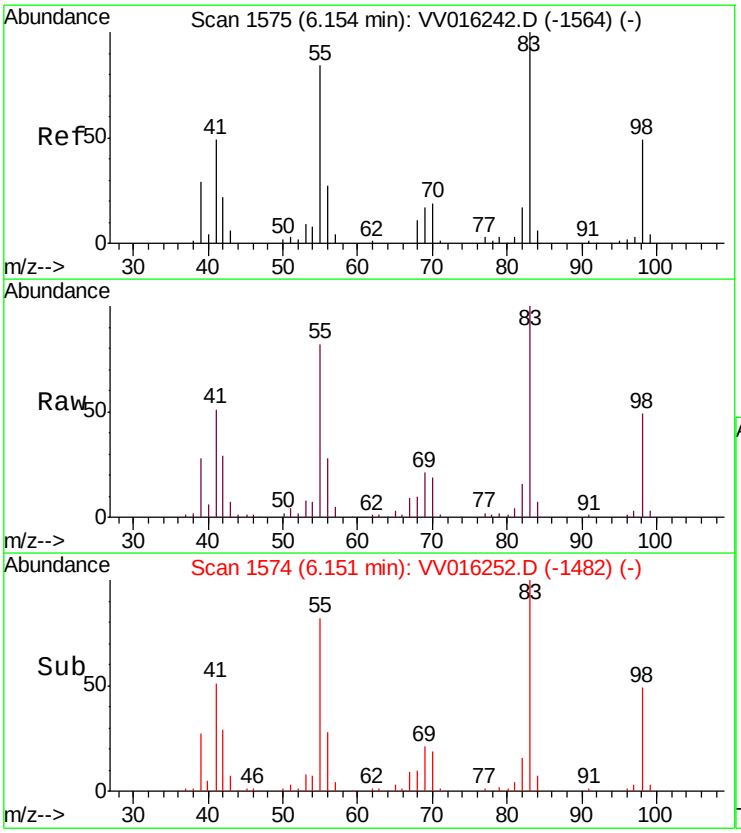
#33
Benzene
Concen: 986.576 ug/L m
RT: 5.13 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VV016252.D
Acq: 28 May 2020 01:23

Tgt Ion: 78 Resp:27474169

Instrument :
MSVOA_V
ClientSampleId :
BE4Z2

Manual Integrations APPROVED
MMDadoda
5/29/2020 11:55:27 AM

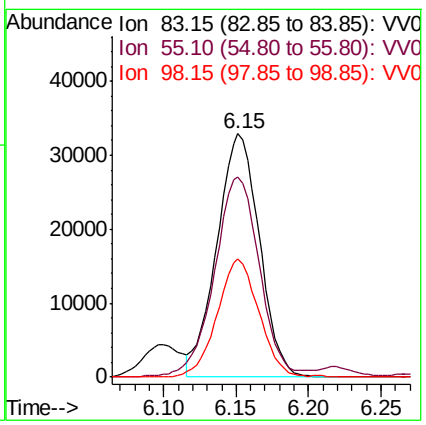


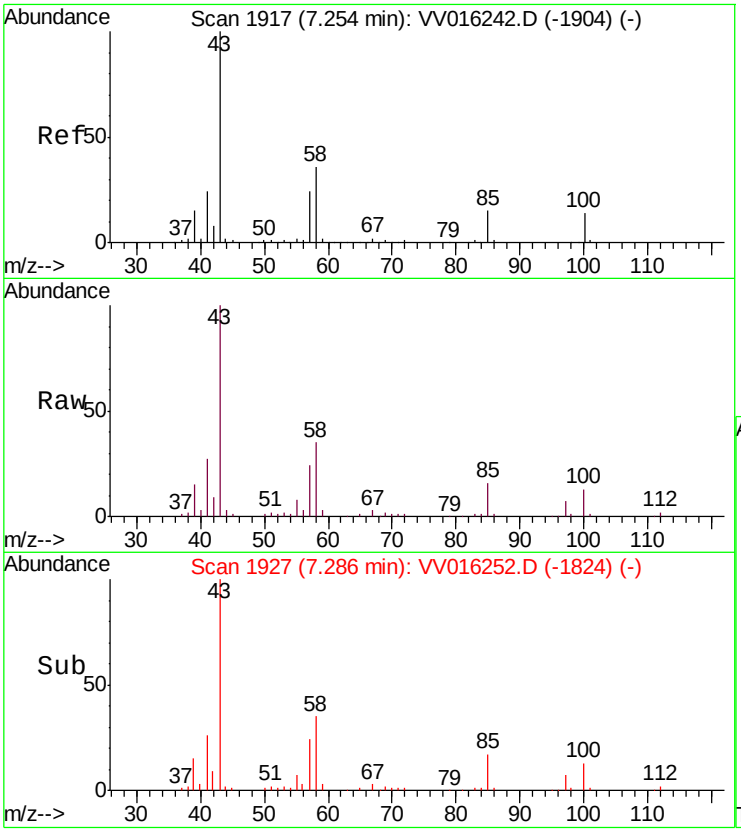


#35
Methylcyclohexane
Concen: 5.494 ug/L
RT: 6.15 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VV016252.D
Acq: 28 May 2020 01:23

Tgt Ion: 83 Resp: 67227

Ion	Ratio	Lower	Upper
83	100		
55	87.4	65.4	98.0
98	47.3	39.3	58.9

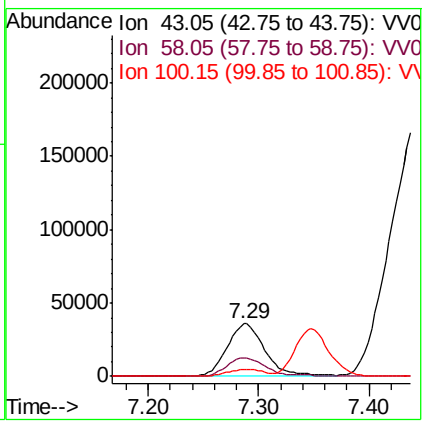




#40
4-Methyl-2-pentanone
Concen: 19.668 ug/L
RT: 7.29 min Scan# 1927
Delta R.T. 0.03 min
Lab File: VV016252.D
Acq: 28 May 2020 01:23

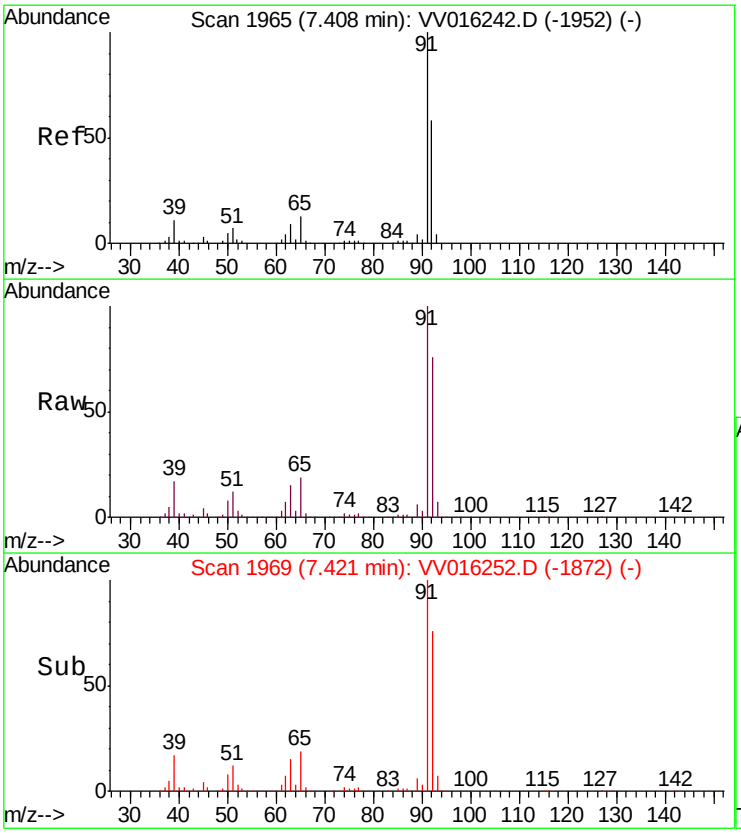
Tgt Ion: 43 Resp: 83577

Ion	Ratio	Lower	Upper
43	100		
58	38.6	29.5	44.3
100	13.0	11.1	16.7



Instrument :
MSVOA_V
ClientSampleId :
BE4Z2

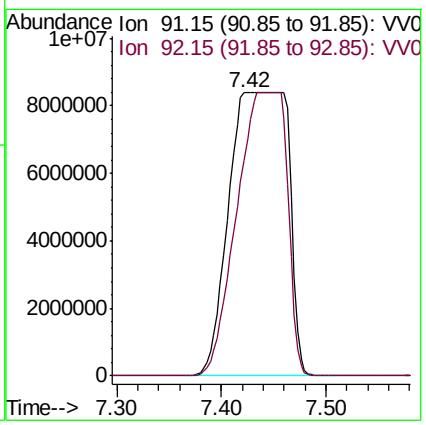
Manual Integrations APPROVED
MMDadoda
5/29/2020 11:55:27 AM

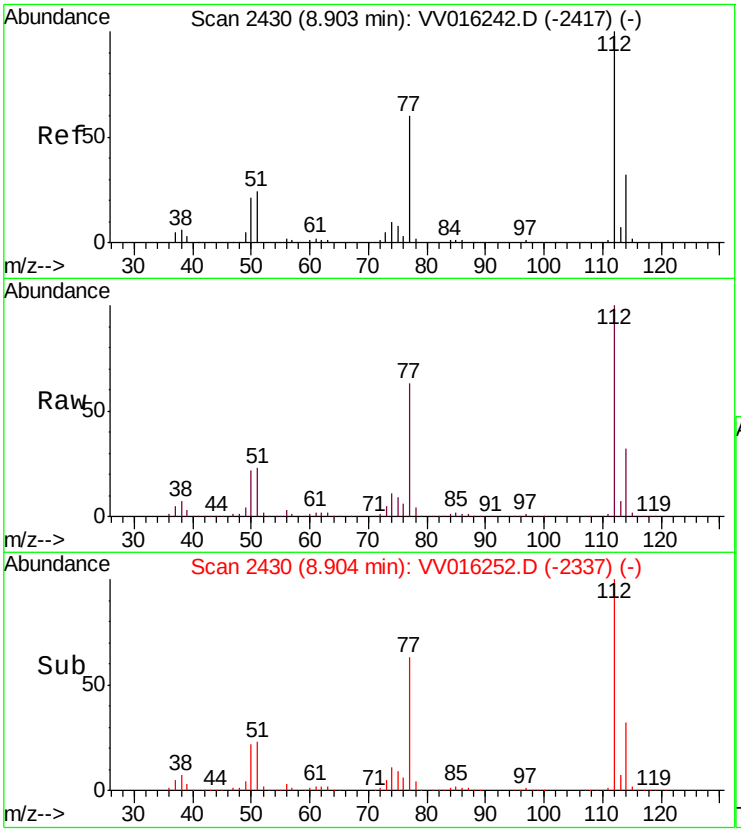


#42
Toluene
Concen: 1084.993 ug/L m
RT: 7.42 min Scan# 1969
Delta R.T. 0.01 min
Lab File: VV016252.D
Acq: 28 May 2020 01:23

Tgt Ion: 91 Resp:32950971

Ion	Ratio	Lower	Upper
91	100		
92	76.3	40.9	76.0#

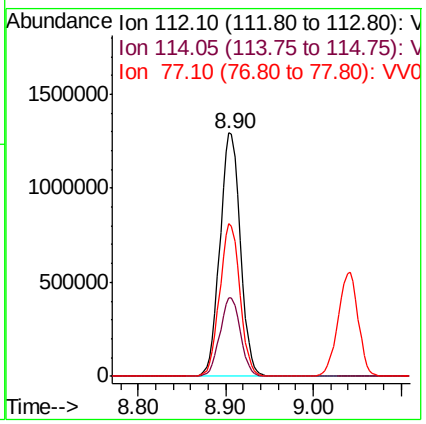




#53
Chlorobenzene
Concen: 111.764 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV016252.D
Acq: 28 May 2020 01:23

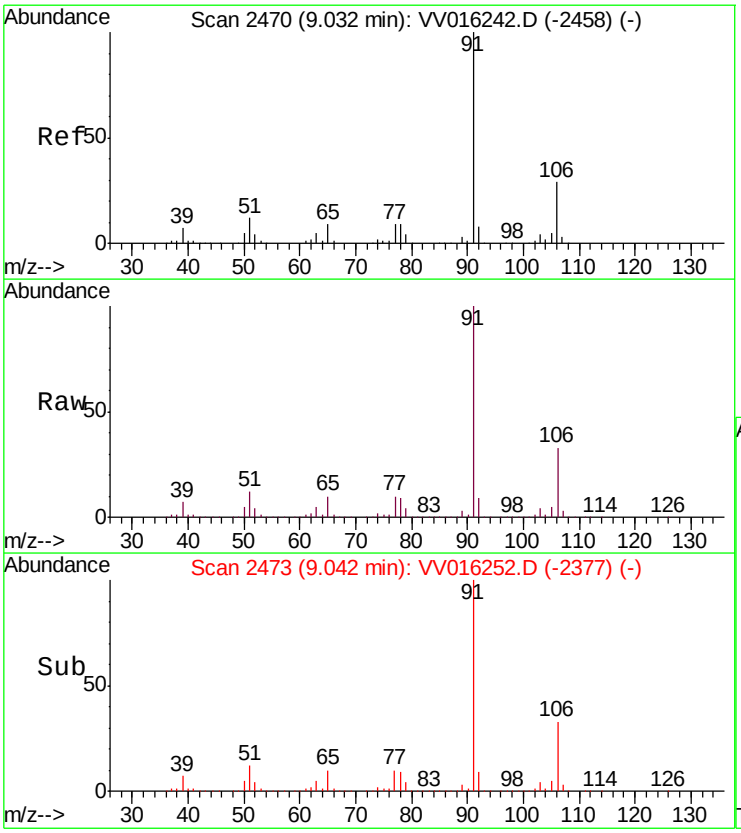
Tgt Ion:112 Resp: 2097352

Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.3	41.3
77	62.6	50.7	76.1



Instrument :
MSVOA_V
ClientSampleId :
BE4Z2

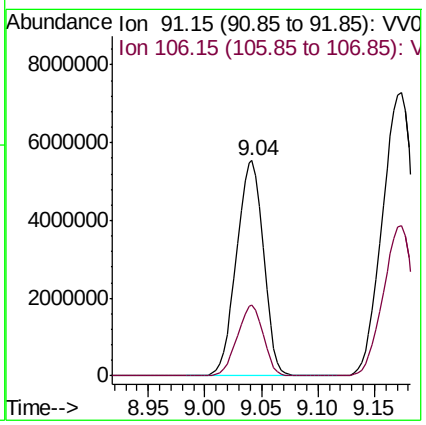
Manual Integrations APPROVED
MMDadoda
5/29/2020 11:55:27 AM

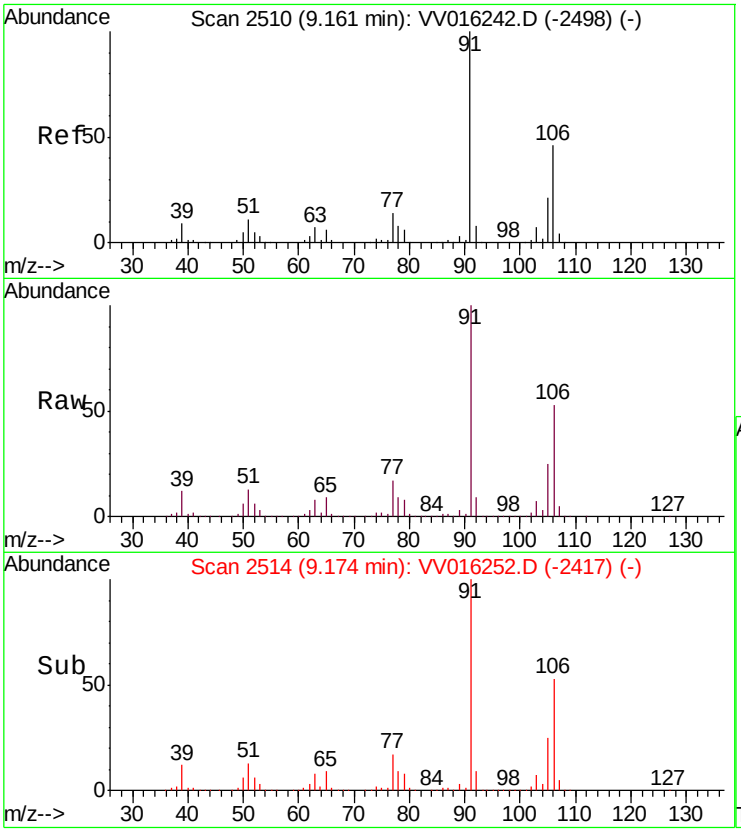


#54
Ethylbenzene
Concen: 272.833 ug/L
RT: 9.04 min Scan# 2473
Delta R.T. 0.01 min
Lab File: VV016252.D
Acq: 28 May 2020 01:23

Tgt Ion: 91 Resp: 9235923

Ion	Ratio	Lower	Upper
91	100		
106	32.8	21.0	39.0

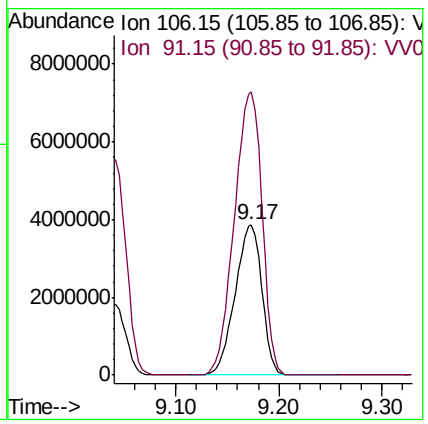




#55
m,p-xylene
Concen: 548.772 ug/L
RT: 9.17 min Scan# 2514
Delta R.T. 0.01 min
Lab File: VV016252.D
Acq: 28 May 2020 01:23

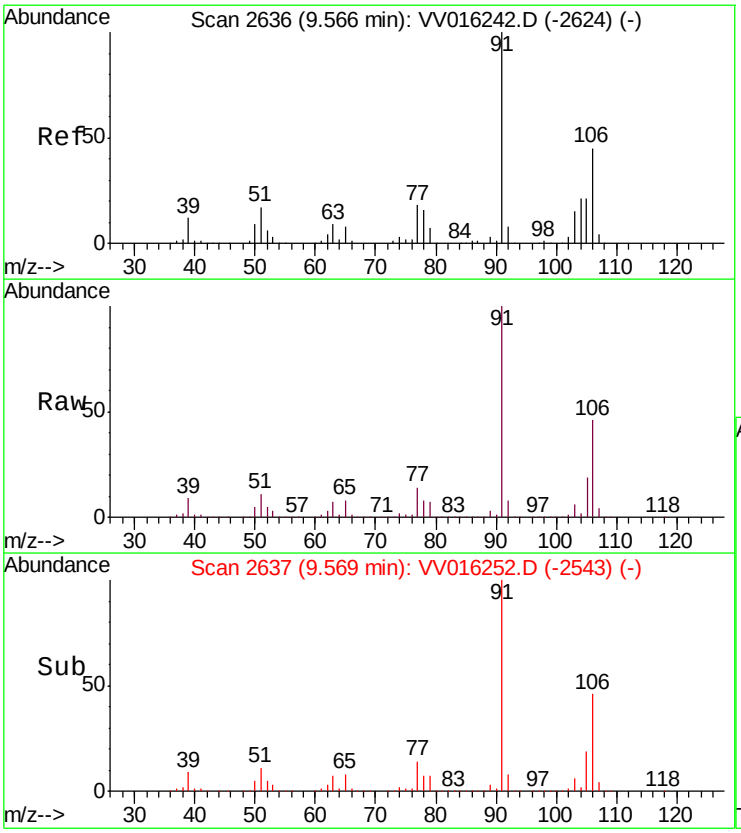
Tgt Ion:106 Resp: 6965916

Ion	Ratio	Lower	Upper
106	100		
91	188.3	148.1	275.0



Instrument :
MSVOA_V
ClientSampleId :
BE4Z2

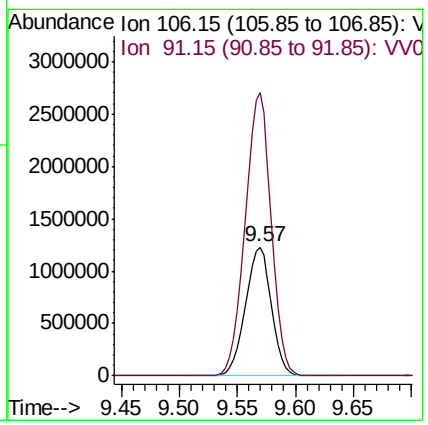
Manual Integrations APPROVED
MMDadoda
5/29/2020 11:55:27 AM

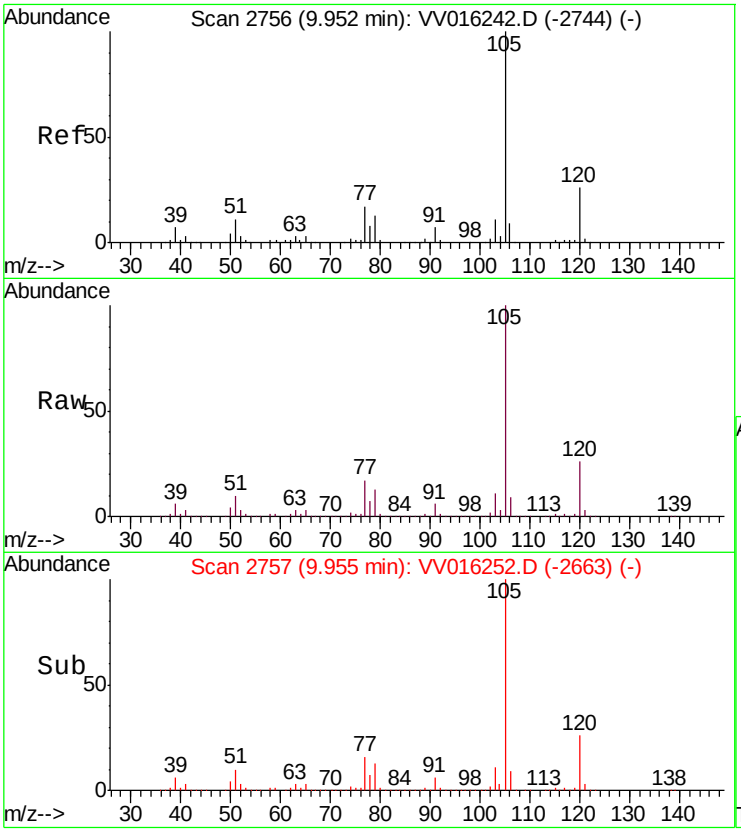


#56
o-xylene
Concen: 158.508 ug/L
RT: 9.57 min Scan# 2637
Delta R.T. 0.00 min
Lab File: VV016252.D
Acq: 28 May 2020 01:23

Tgt Ion:106 Resp: 1917405

Ion	Ratio	Lower	Upper
106	100		
91	219.3	158.8	294.8

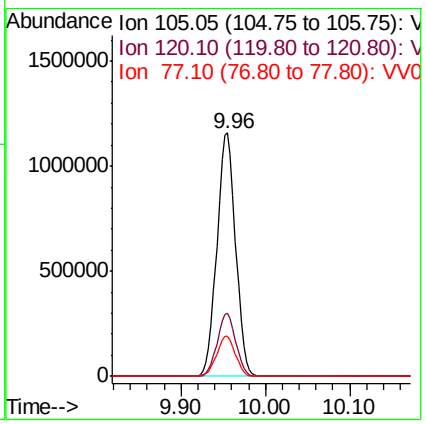




#58
Isopropylbenzene
Concen: 53.540 ug/L
RT: 9.96 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VV016252.D
Acq: 28 May 2020 01:23

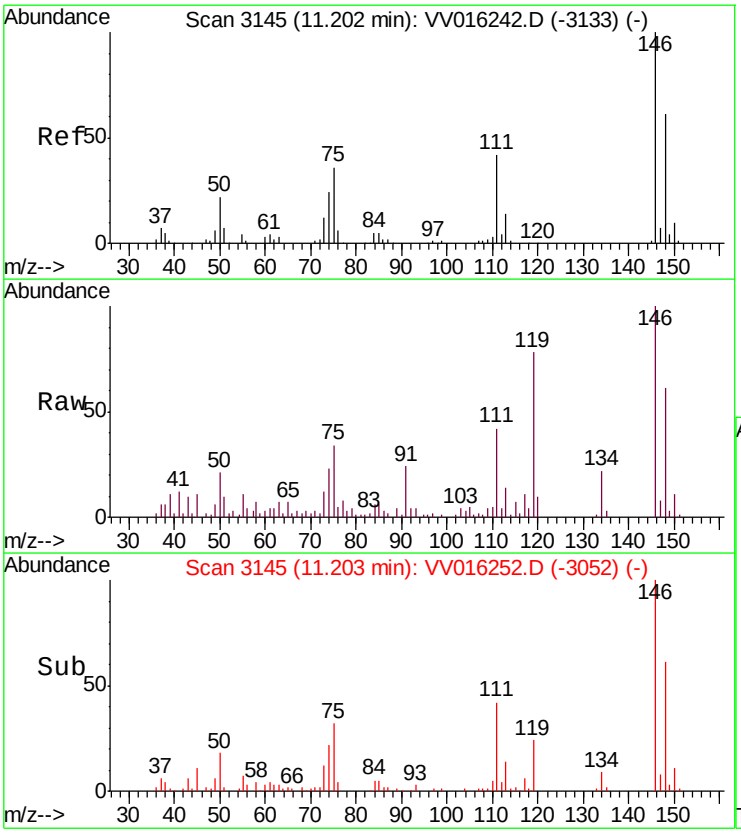
Tgt Ion:105 Resp: 1774076

Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.9	31.3
77	16.6	13.9	20.9



Instrument :
MSVOA_V
ClientSampleId :
BE4Z2

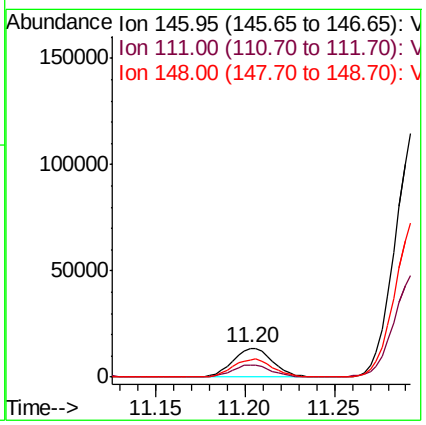
Manual Integrations APPROVED
MMDadoda
5/29/2020 11:55:27 AM

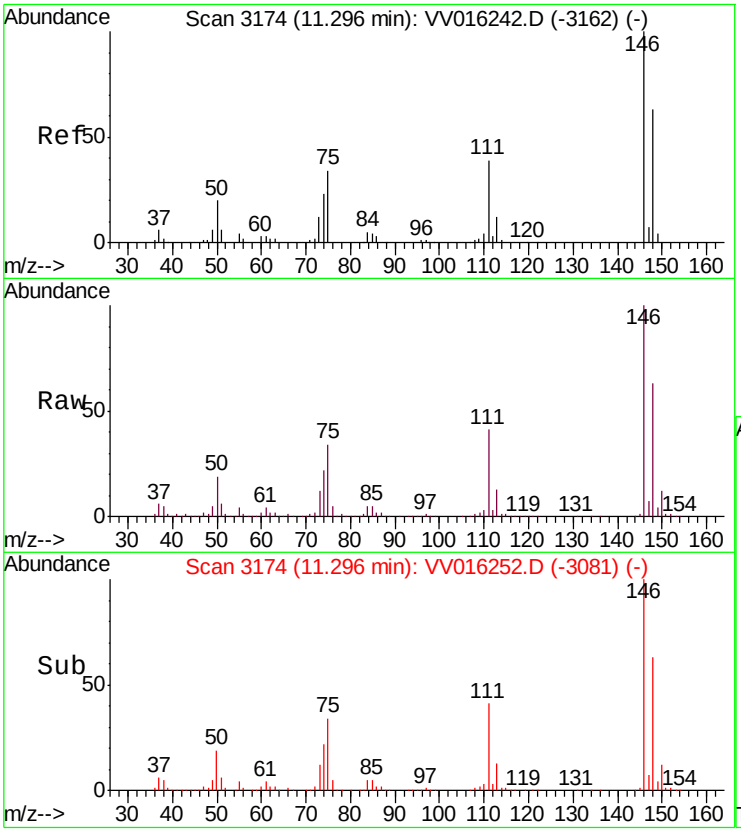


#63
1,3-Dichlorobenzene
Concen: 1.373 ug/L
RT: 11.20 min Scan# 3145
Delta R.T. 0.00 min
Lab File: VV016252.D
Acq: 28 May 2020 01:23

Tgt Ion:146 Resp: 21194

Ion	Ratio	Lower	Upper
146	100		
111	41.8	29.7	55.1
148	60.9	45.9	85.3





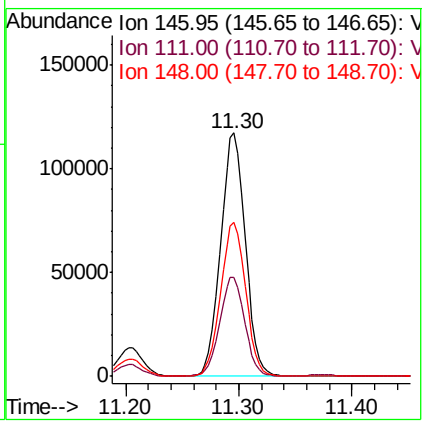
#64
1,4-Dichlorobenzene
Concen: 11.361 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. 0.00 min
Lab File: VV016252.D
Acq: 28 May 2020 01:23

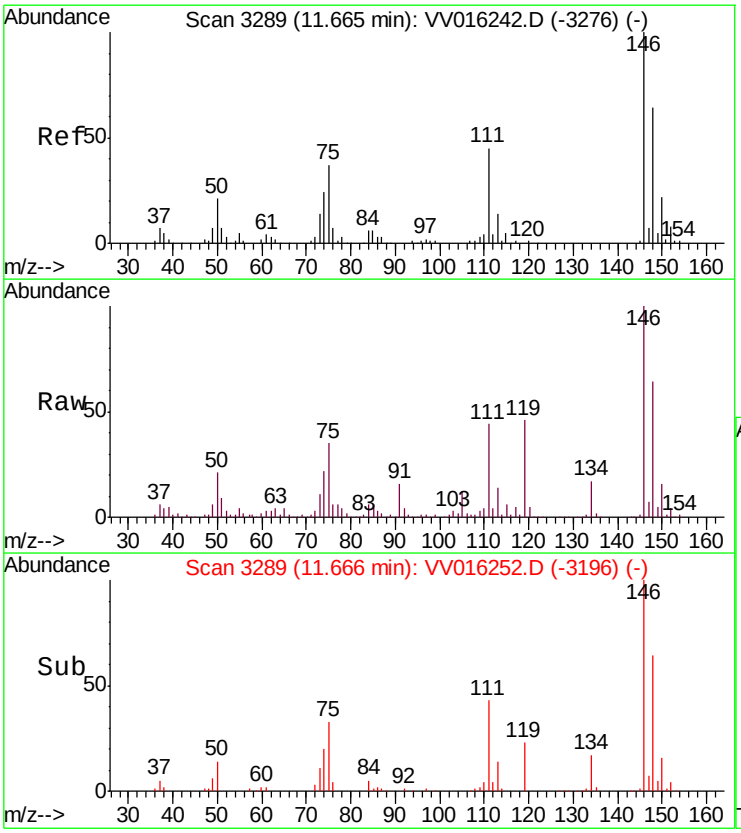
Tgt Ion:146 Resp: 178265

Ion	Ratio	Lower	Upper
146	100		
111	40.9	28.3	52.7
148	63.2	43.3	80.3

Instrument :
MSVOA_V
ClientSampleId :
BE4Z2

Manual Integrations APPROVED
MMDadoda
5/29/2020 11:55:27 AM





#66
1,2-Dichlorobenzene
Concen: 15.078 ug/L
RT: 11.67 min Scan# 3289
Delta R.T. 0.00 min
Lab File: VV016252.D
Acq: 28 May 2020 01:23

Tgt Ion:146 Resp: 210456

Ion	Ratio	Lower	Upper
146	100		
111	43.8	35.7	53.5
148	64.1	51.3	76.9