Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092820\
Data File : VX018621.D
Acq On : 28 Sep 2020 17:42
Operator : JC/SP
Sample : L4135-01
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BG0Q5

Manual Integrations APPROVED
MMDadoda
9/29/2020 9:43:15 AM

Quant Time: Sep 29 03:00:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 29 02:30:52 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	279585	5.00	ug/L		0.00
28) Chlorobenzene-d5	10.10	117	271254	5.00	ug/L		0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	145295	5.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.39	65	62625	4.28	ug/L		0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 85.60%				
7) Chloroethane-d5	1.70	69	62353	5.05	ug/L		0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 101.00%				
11) 1,1-Dichloroethene-d2	2.34	63	110472	3.42	ug/L		0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 68.40%				
20) 2-Butanone-d5	4.56	46	162293	43.50	ug/L		0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 87.00%				
24) Chloroform-d	5.14	84	148171	4.27	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 85.40%				
26) 1,2-Dichloroethane-d4	6.04	65	80712	4.00	ug/L		0.02
Spiked Amount 5.000	Range 70 - 130		Recovery = 80.00%				
32) Benzene-d6	6.06	84	277482	4.43	ug/L		0.01
Spiked Amount 5.000	Range 70 - 125		Recovery = 88.60%				
36) 1,2-Dichloropropane-d6	7.37	67	84795	4.44	ug/L		0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 88.80%				
41) Toluene-d8	8.70	98	267417	4.29	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 85.80%				
45) trans-1,3-Dichloropropene-	8.99	79	34695	4.09	ug/L		0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 81.80%				
48) 2-Hexanone-d5	9.43	63	137727	45.32	ug/L		0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 90.64%				
59) 1,1,2,2-Tetrachloroethane-	11.23	84	71097	5.01	ug/L		0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 100.20%				
65) 1,2-Dichlorobenzene-d4	12.36	152	109286	4.60	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 92.00%				
Target Compounds							Qvalue
5) Vinyl chloride	1.39	62	28992	1.915	ug/L		100
8) Chloroethane	1.72	64	158566	19.048	ug/L		97
13) Acetone	2.46	43	50640	24.524	ug/L		94
14) Carbon disulfide	2.60	76	195390	4.708	ug/L		97
16) Methylene chloride	2.83	84	5474	0.294	ug/L		93
18) trans-1,2-Dichloroethene	3.14	96	24734	1.813	ug/L		89
19) 1,1-Dichloroethane	3.67	63	27686	1.132	ug/L	#	91
22) cis-1,2-Dichloroethene	4.57	96	32870	2.309	ug/L	#	91
30) Cyclohexane	5.55	56	287582	13.993	ug/L		98
33) Benzene	6.11	78	32604779m	623.431	ug/L		
35) Methylcyclohexane	7.44	83	264749	12.577	ug/L		97
40) 4-Methyl-2-pentanone	8.62	43	7565m	0.978	ug/L		
42) Toluene	8.76	91	19986012	353.794	ug/L	#	75
53) Chlorobenzene	10.12	112	20019967m	536.478	ug/L		
54) Ethylbenzene	10.24	91	2317073	37.655	ug/L		97
55) m,p-xylene	10.34	106	511859	21.755	ug/L		96
56) o-xylene	10.68	106	897985	40.392	ug/L		87

Quantitation Report (QT/LSC Reviewed)

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Data File : VX018621.D
Acq On : 28 Sep 2020 17:42
Operator : JC/SP
Sample : L4135-01
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 29 03:00:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 29 02:30:52 2020
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
BG0Q5

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
58) Isopropylbenzene	11.00	105	3517065	59.003	ug/L		100
63) 1,3-Dichlorobenzene	12.01	146	295852	9.367	ug/L		98
64) 1,4-Dichlorobenzene	12.09	146	1529297	47.932	ug/L		96
66) 1,2-Dichlorobenzene	12.38	146	636737	21.638	ug/L		97
69) 1,2,4-trichlorobenzene	13.63	180	3741	0.192	ug/L	#	65

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092820\
Data File : VX018621.D
Acq On : 28 Sep 2020 17:42
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MSVOA_X
ClientSampleId :
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Manual Integrations APPROVED
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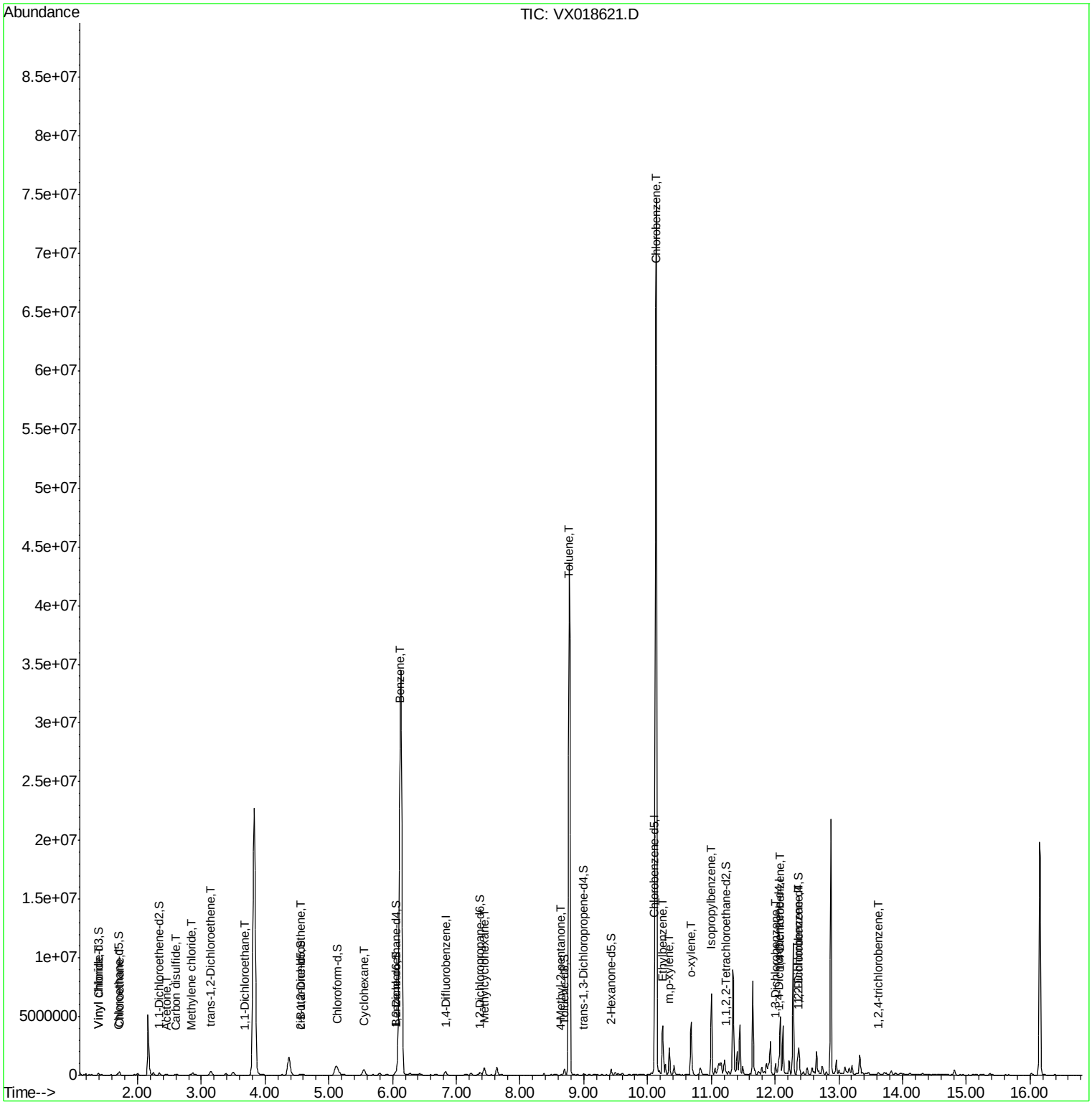
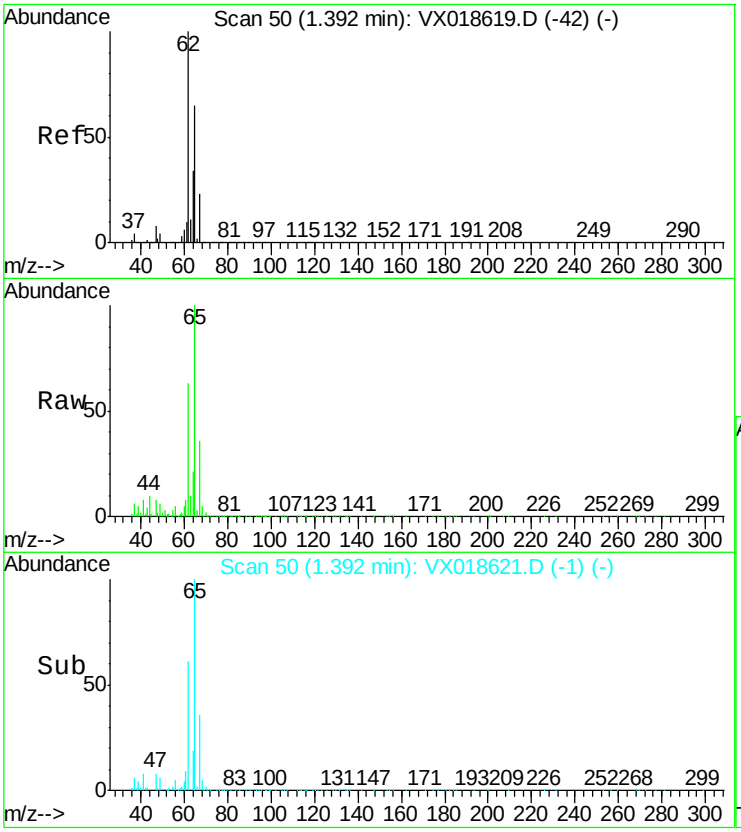
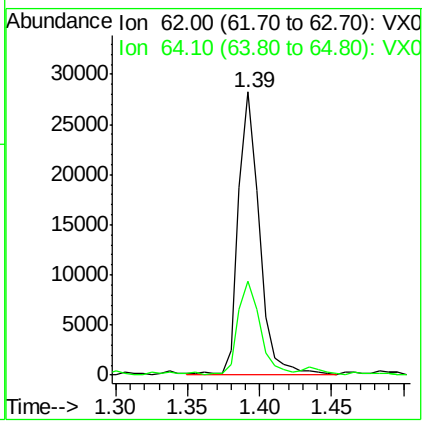




#5
Vinyl chloride
Concen: 1.915 ug/L
RT: 1.39 min Scan# 50
Delta R.T. -0.00 min
Lab File: VX018621.D
Acq: 28 Sep 2020 17:42

Tgt Ion: 62 Resp: 28992

Ion	Ratio	Lower	Upper
62	100		
64	33.4	23.6	43.8



Instrument :
MSVOA_X
ClientSampleId :
BG0Q5

Manual Integrations APPROVED
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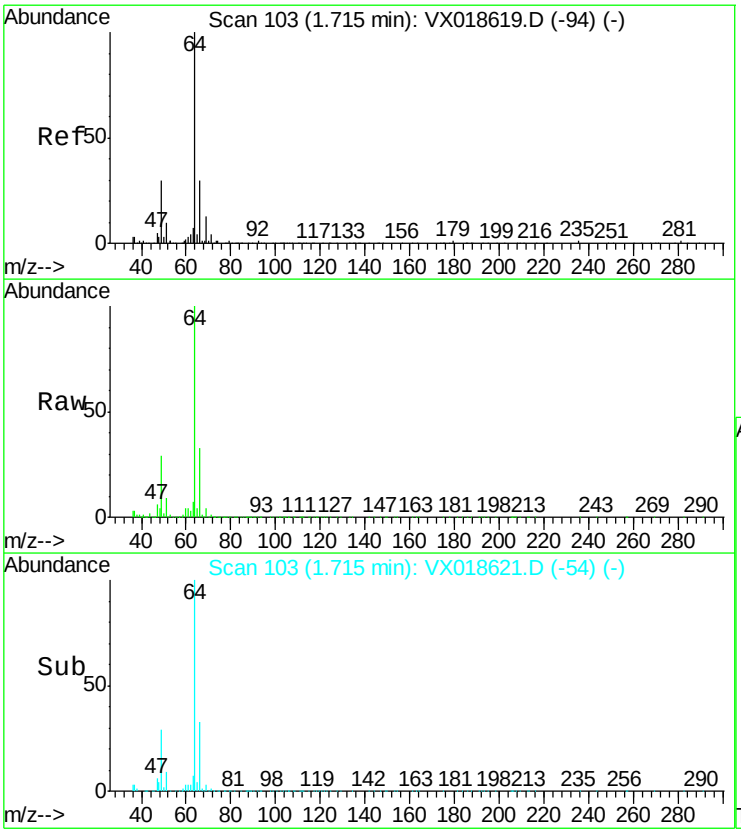
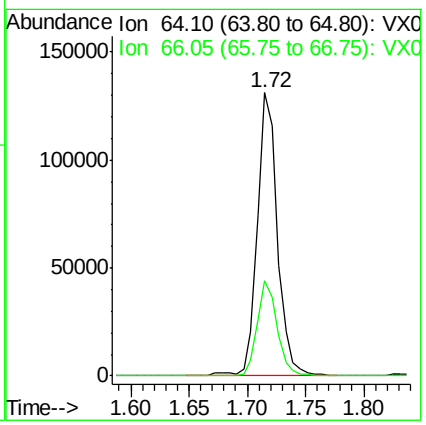
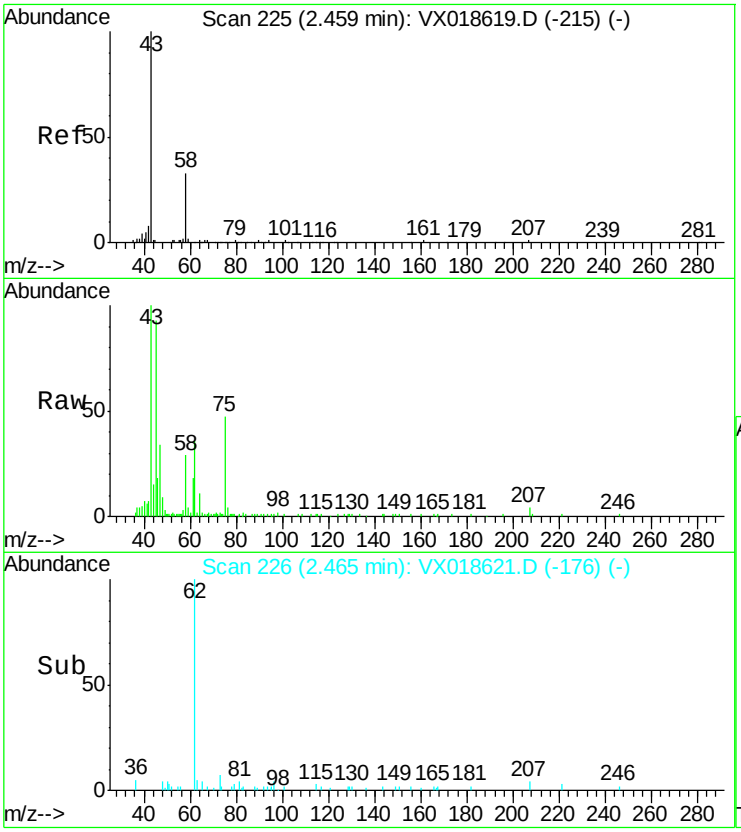


#8
Chloroethane
Concen: 19.048 ug/L
RT: 1.72 min Scan# 103
Delta R.T. -0.00 min
Lab File: VX018621.D
Acq: 28 Sep 2020 17:42

Tgt Ion: 64 Resp: 158566

Ion	Ratio	Lower	Upper
64	100		
66	33.4	22.3	41.3

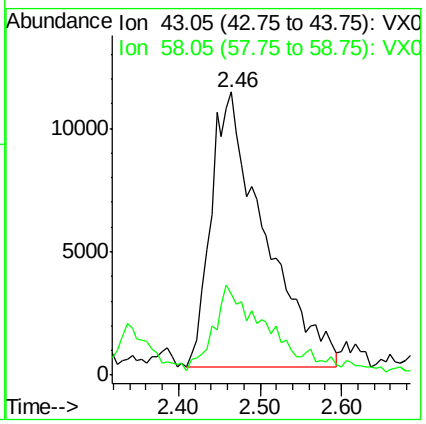




#13
Acetone
Concen: 24.524 ug/L
RT: 2.46 min Scan# 226
Delta R.T. 0.01 min
Lab File: VX018621.D
Acq: 28 Sep 2020 17:42

Tgt Ion: 43 Resp: 50640

Ion	Ratio	Lower	Upper
43	100		
58	27.5	0.0	61.6



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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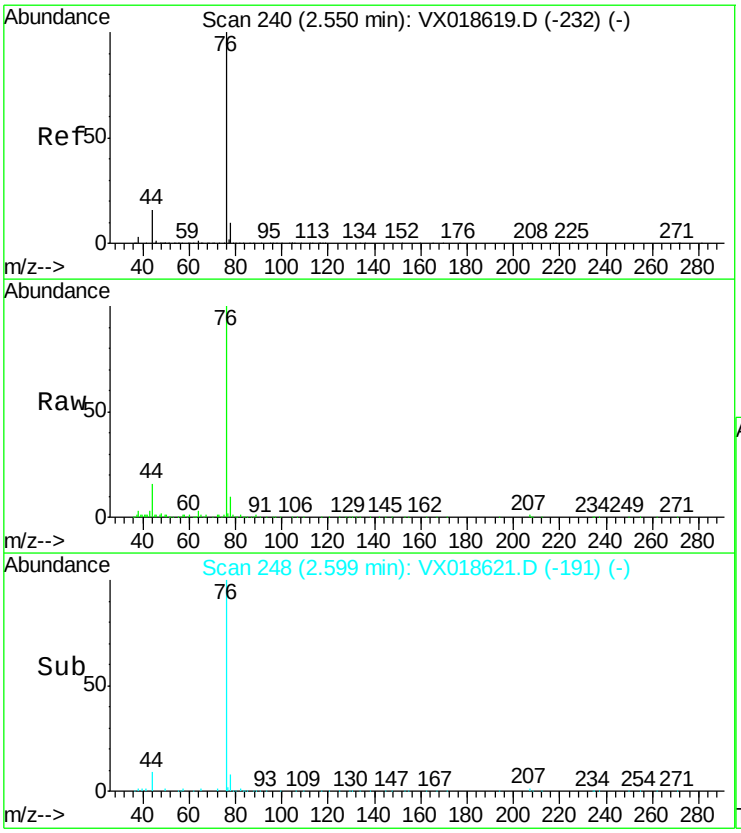
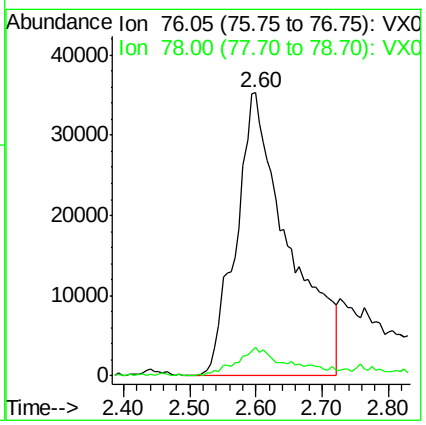
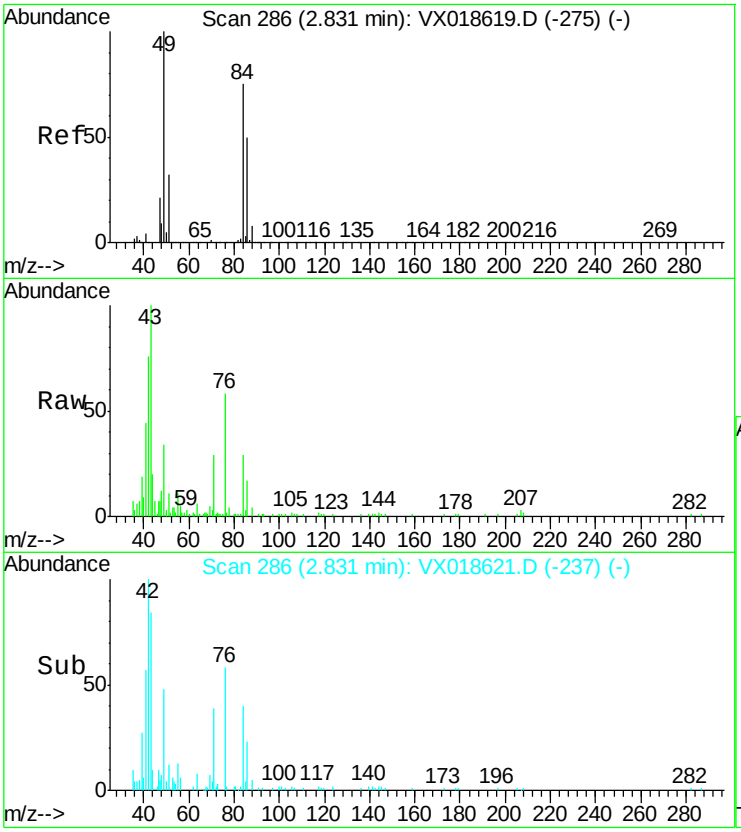


#14
Carbon disulfide
Concen: 4.708 ug/L
RT: 2.60 min Scan# 248
Delta R.T. 0.05 min
Lab File: VX018621.D
Acq: 28 Sep 2020 17:42

Tgt Ion: 76 Resp: 195390

Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.4	11.0

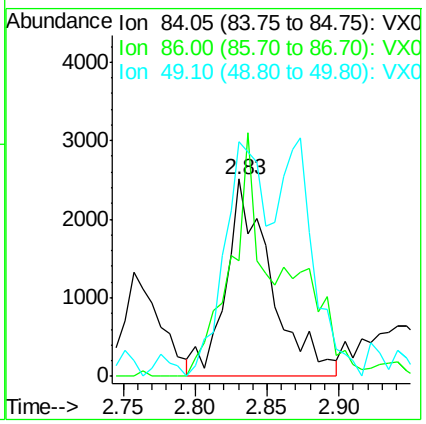




#16
Methylene chloride
Concen: 0.294 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX018621.D
Acq: 28 Sep 2020 17:42

Tgt Ion: 84 Resp: 5474

Ion	Ratio	Lower	Upper
84	100		
86	58.4	41.9	77.7
49	126.1	80.8	150.2



Instrument :
MSVOA_X
ClientSampleId :
BG0Q5

Manual Integrations APPROVED
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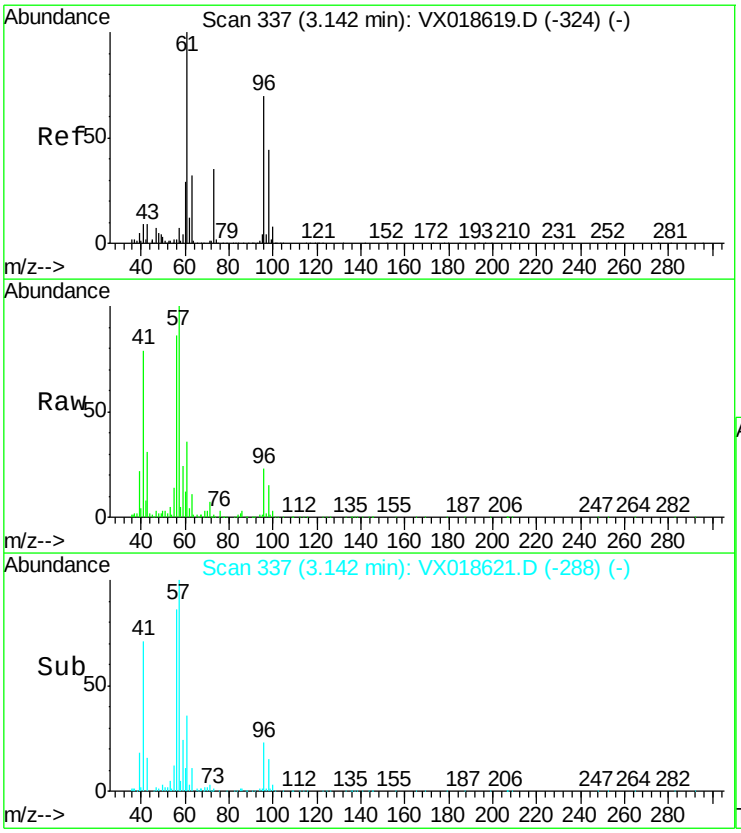
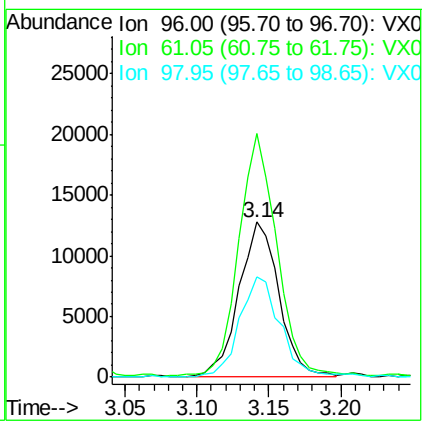
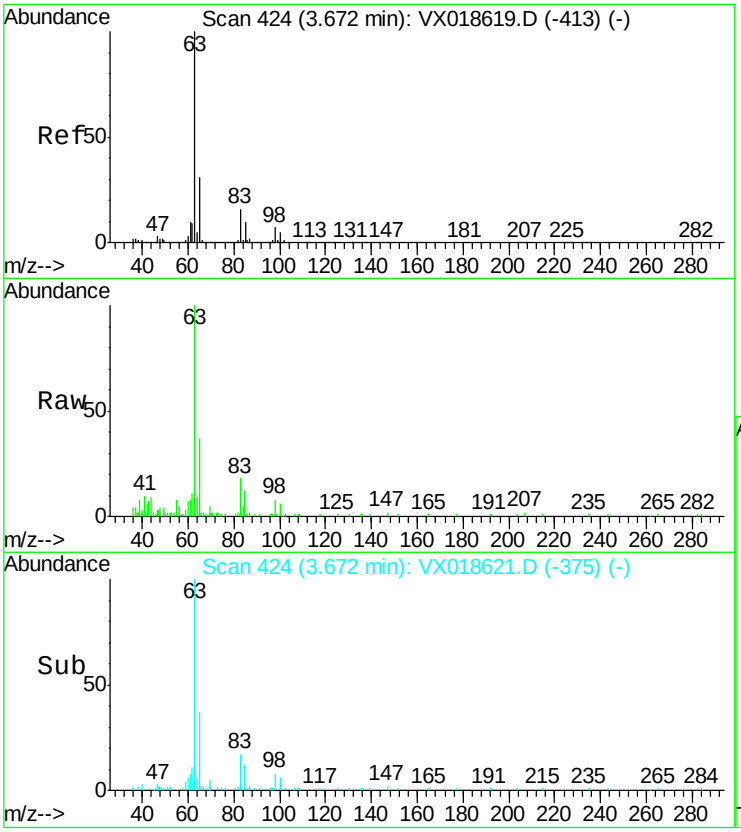


#18
trans-1,2-Dichloroethene
Concen: 1.813 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX018621.D
Acq: 28 Sep 2020 17:42

Tgt Ion: 96 Resp: 24734

Ion	Ratio	Lower	Upper
96	100		
61	157.0	97.3	180.7
98	65.0	46.6	86.6

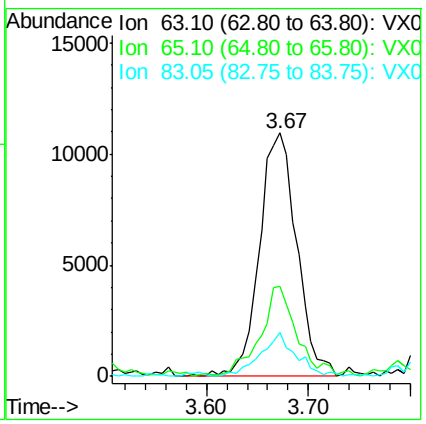




#19
1,1-Dichloroethane
Concen: 1.132 ug/L
RT: 3.67 min Scan# 424
Delta R.T. -0.00 min
Lab File: VX018621.D
Acq: 28 Sep 2020 17:42

Tgt Ion: 63 Resp: 27686

Ion	Ratio	Lower	Upper
63	100		
65	36.7	22.7	42.1
83	17.9	9.3	17.3#



Instrument :
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ClientSampleId :
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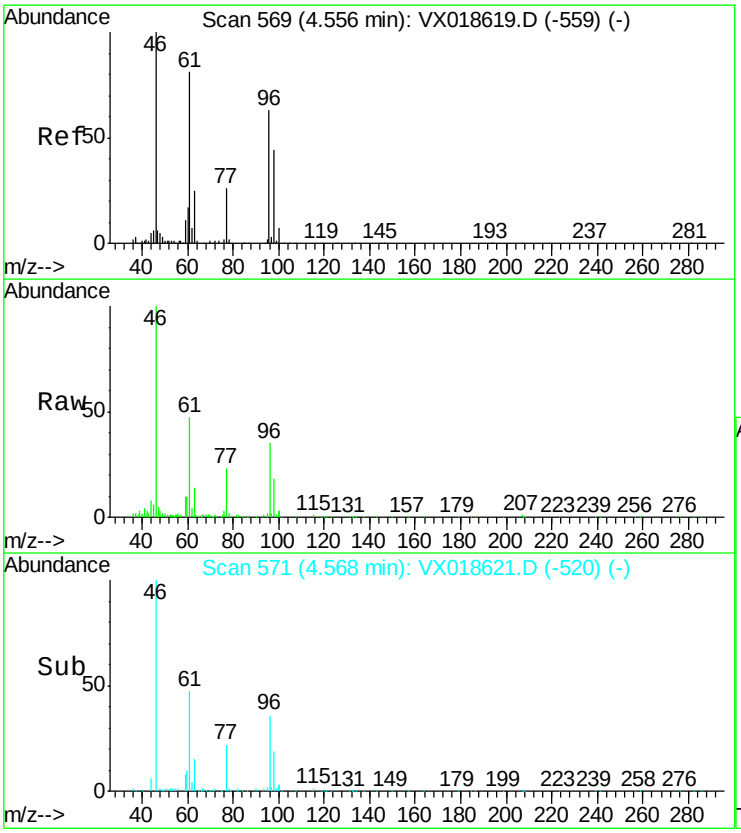
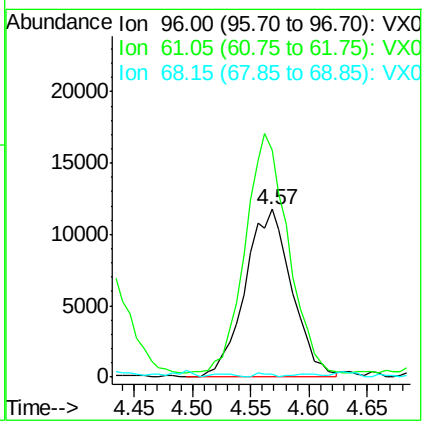
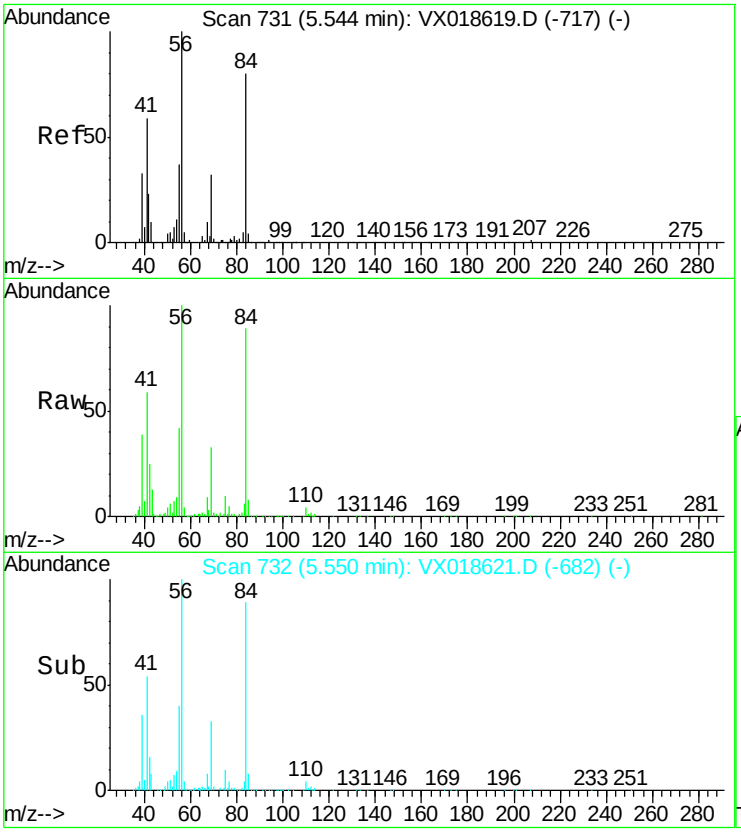


#22
cis-1,2-Dichloroethene
Concen: 2.309 ug/L
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX018621.D
Acq: 28 Sep 2020 17:42

Tgt Ion: 96 Resp: 32870

Ion	Ratio	Lower	Upper
96	100		
61	135.5	87.7	162.9
68	1.9	0.3	0.7#

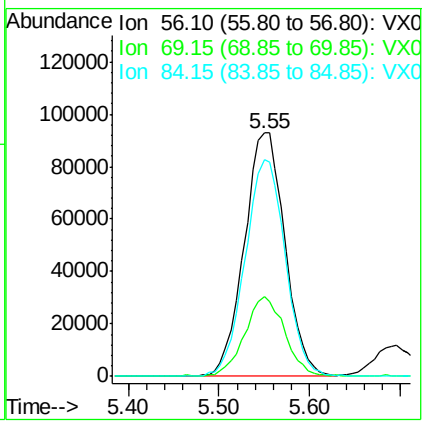




#30
Cyclohexane
Concen: 13.993 ug/L
RT: 5.55 min Scan# 732
Delta R.T. 0.01 min
Lab File: VX018621.D
Acq: 28 Sep 2020 17:42

Tgt Ion: 56 Resp: 287582

Ion	Ratio	Lower	Upper
56	100		
69	32.2	26.4	39.6
84	88.3	72.7	109.1



Instrument :
MSVOA_X
ClientSampleId :
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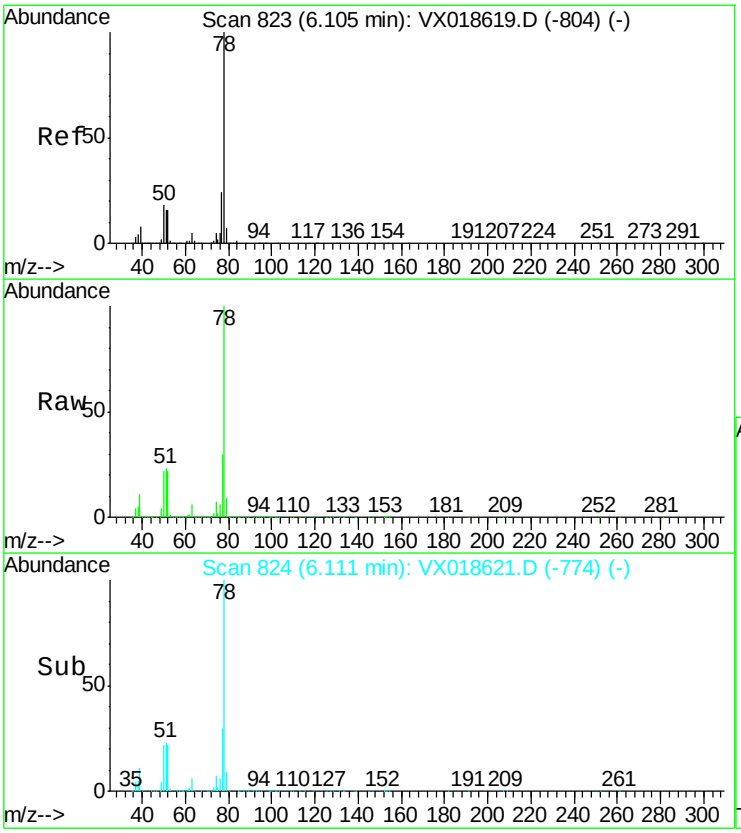
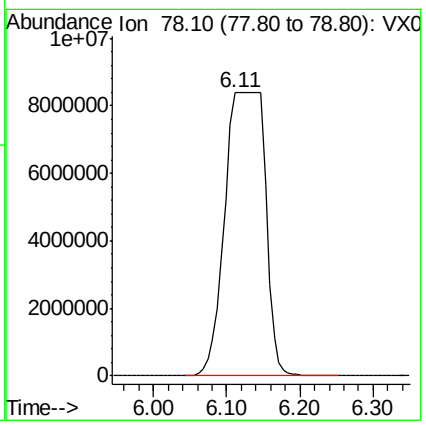
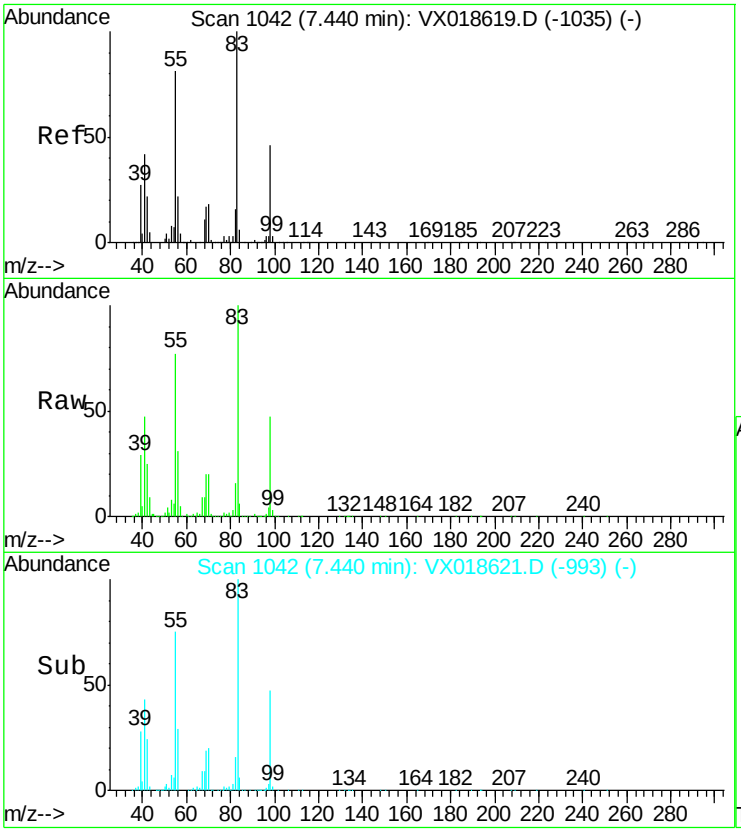


#33
Benzene
Concen: 623.431 ug/L m
RT: 6.11 min Scan# 824
Delta R.T. 0.01 min
Lab File: VX018621.D
Acq: 28 Sep 2020 17:42

Tgt Ion: 78 Resp:32604779

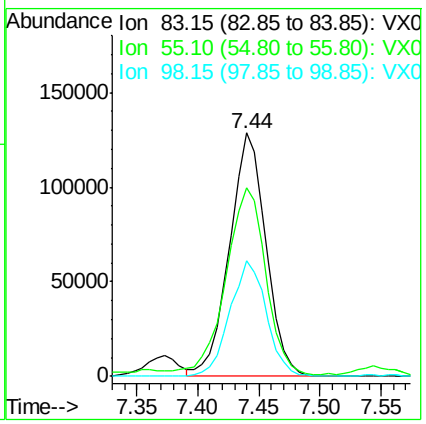




#35
Methylcyclohexane
Concen: 12.577 ug/L
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX018621.D
Acq: 28 Sep 2020 17:42

Tgt Ion: 83 Resp: 264749

Ion	Ratio	Lower	Upper
83	100		
55	85.4	67.4	101.0
98	47.7	41.1	61.7



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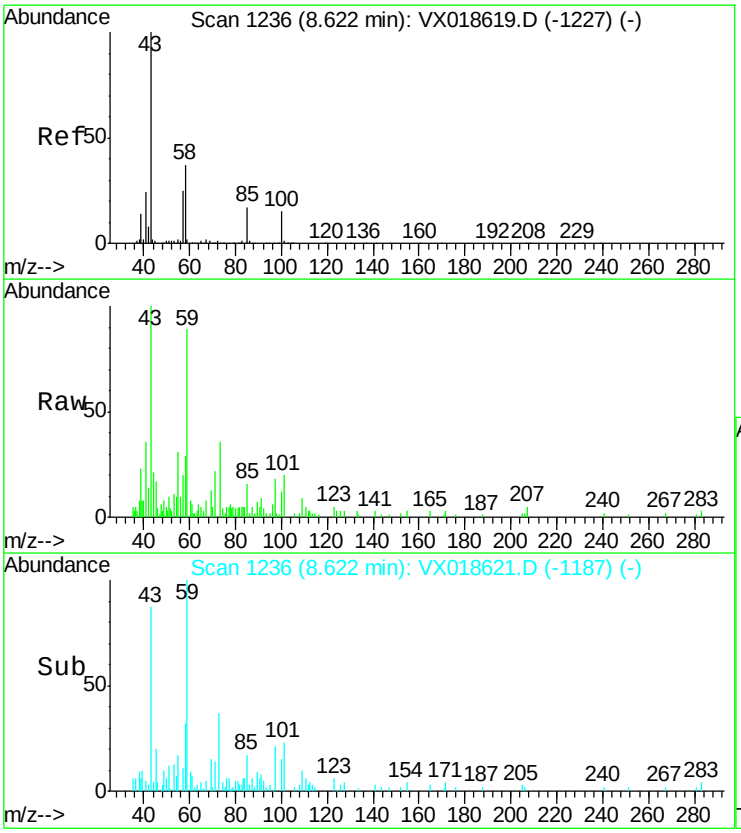
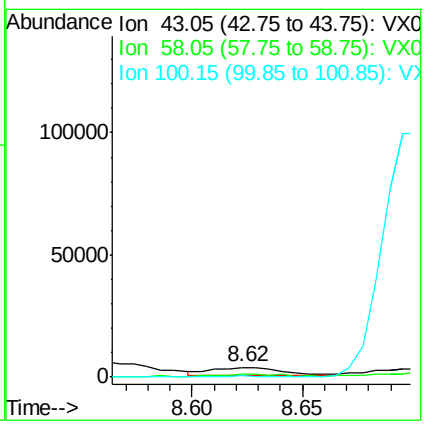
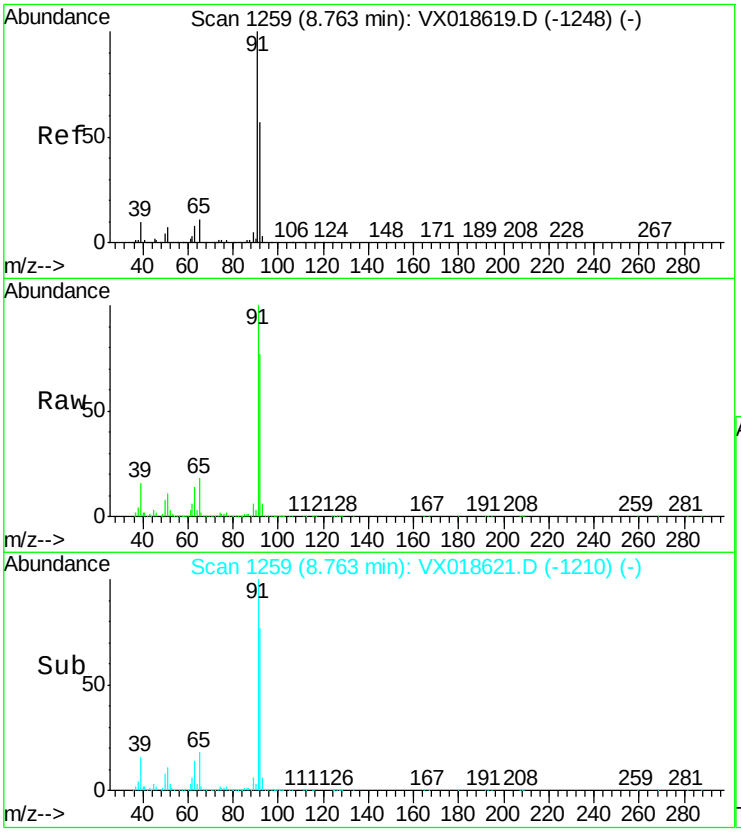


#40
4-Methyl-2-pentanone
Concen: 0.978 ug/L m
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX018621.D
Acq: 28 Sep 2020 17:42

Tgt Ion: 43 Resp: 7565

Ion	Ratio	Lower	Upper
43	100		
58	23.3	30.2	45.4#
100	0.0	11.8	17.8#





#42
Toluene
Concen: 353.794 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VX018621.D
Acq: 28 Sep 2020 17:42

Tgt Ion: 91 Resp:19986012

Ion	Ratio	Lower	Upper
91	100		
92	77.3	41.1	76.3#

Instrument :
MSVOA_X
ClientSampleId :
BG0Q5

Manual Integrations APPROVED
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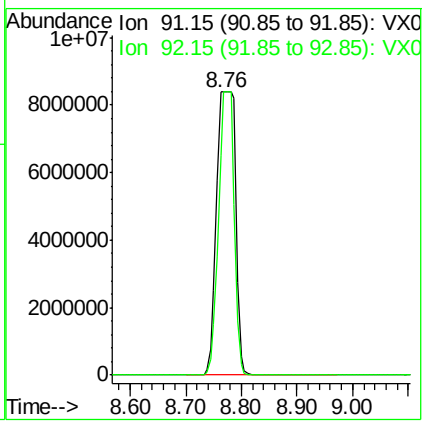
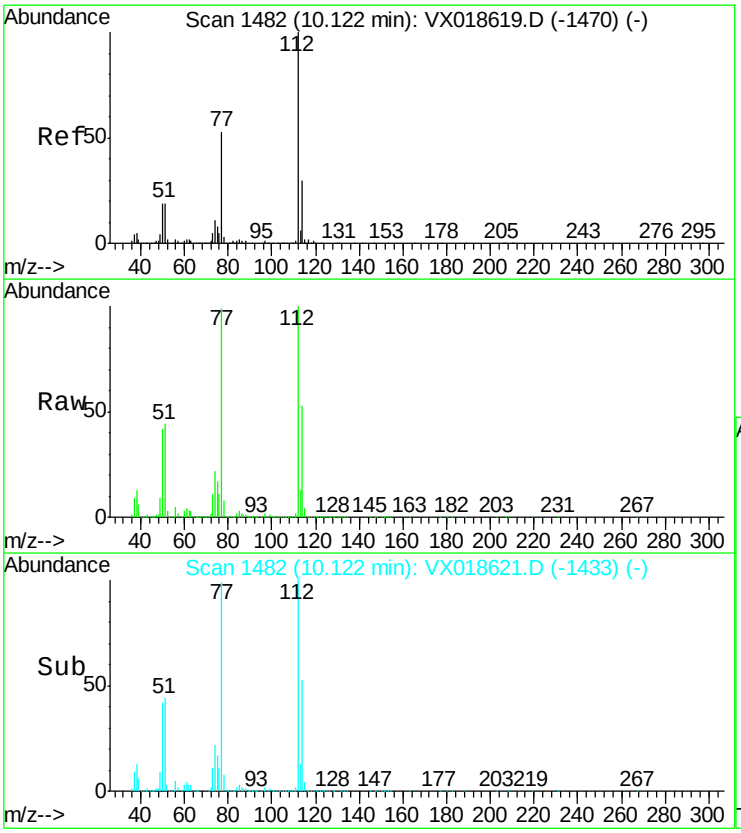
9/29/2020 9:43:15 AM

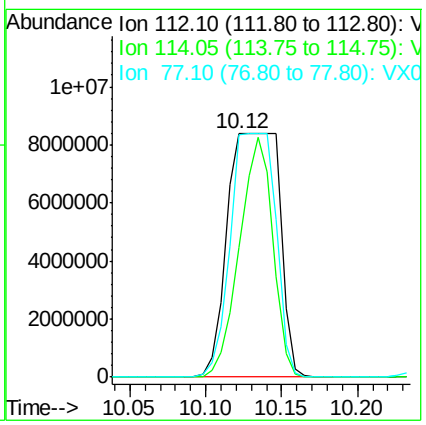


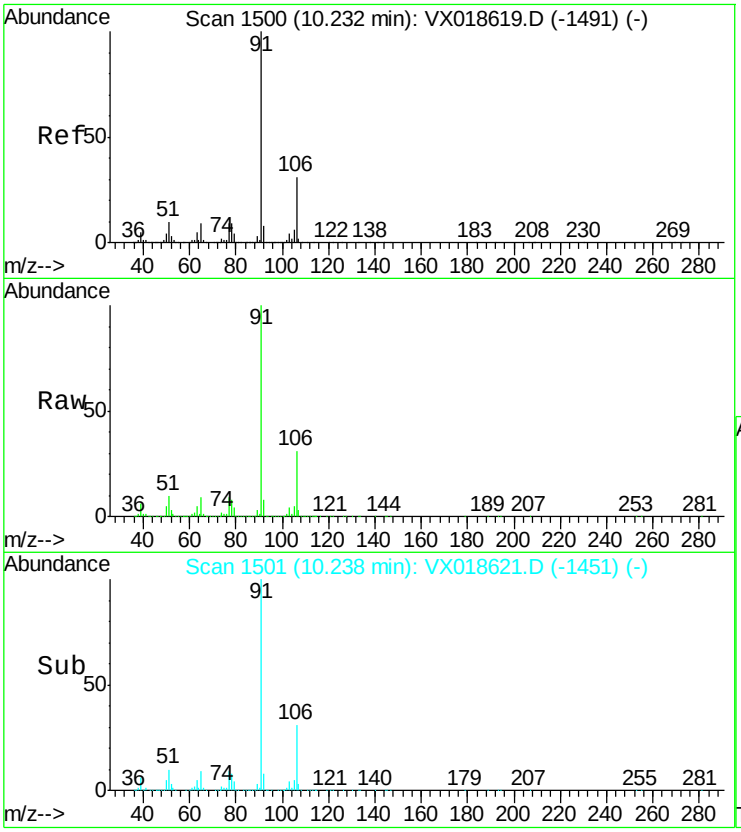


#53
Chlorobenzene
Concen: 536.478 ug/L m
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX018621.D
Acq: 28 Sep 2020 17:42

Tgt Ion:112 Resp:20019967

Ion	Ratio	Lower	Upper
112	100		
114	53.5	20.6	38.4#
77	99.4	46.6	69.8#

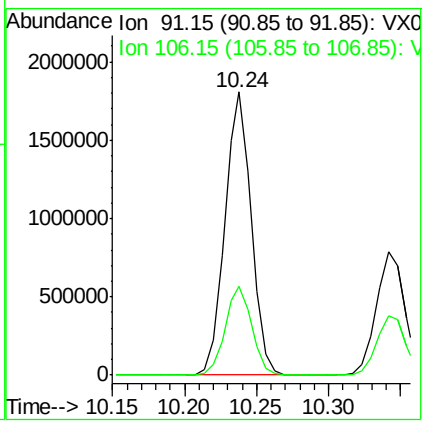




#54
Ethylbenzene
Concen: 37.655 ug/L
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX018621.D
Acq: 28 Sep 2020 17:42

Tgt Ion: 91 Resp: 2317073

Ion	Ratio	Lower	Upper
91	100		
106	31.4	21.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
BG0Q5

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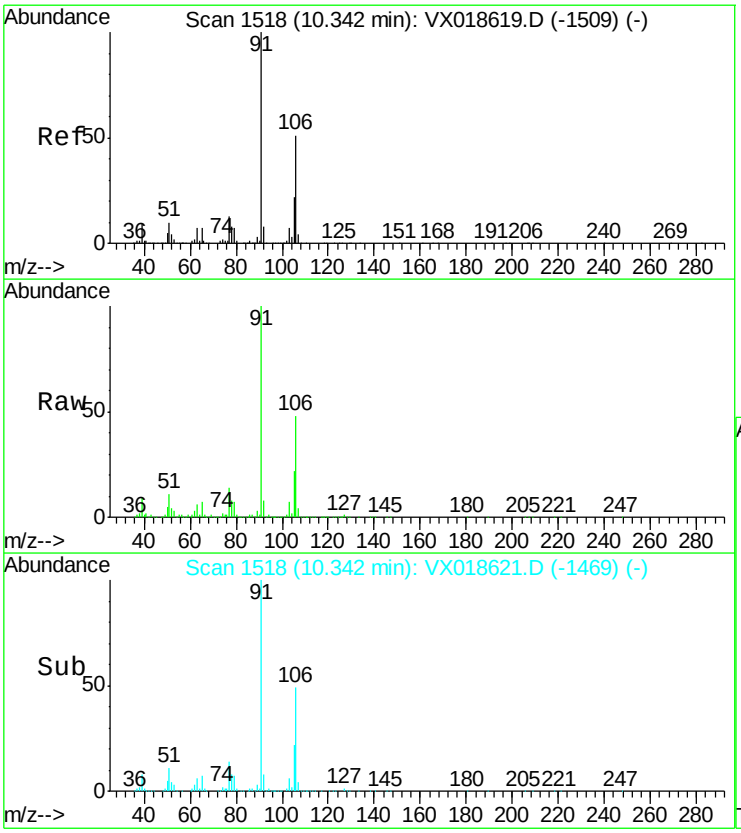
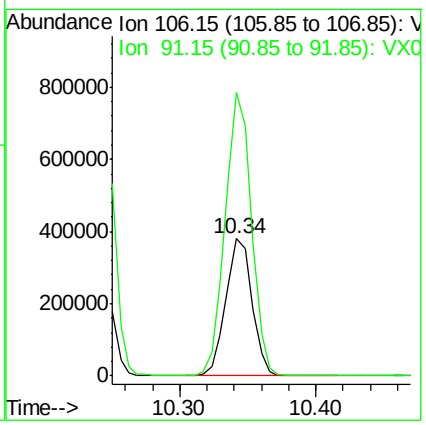
MMDadoda
9/29/2020 9:43:15 AM

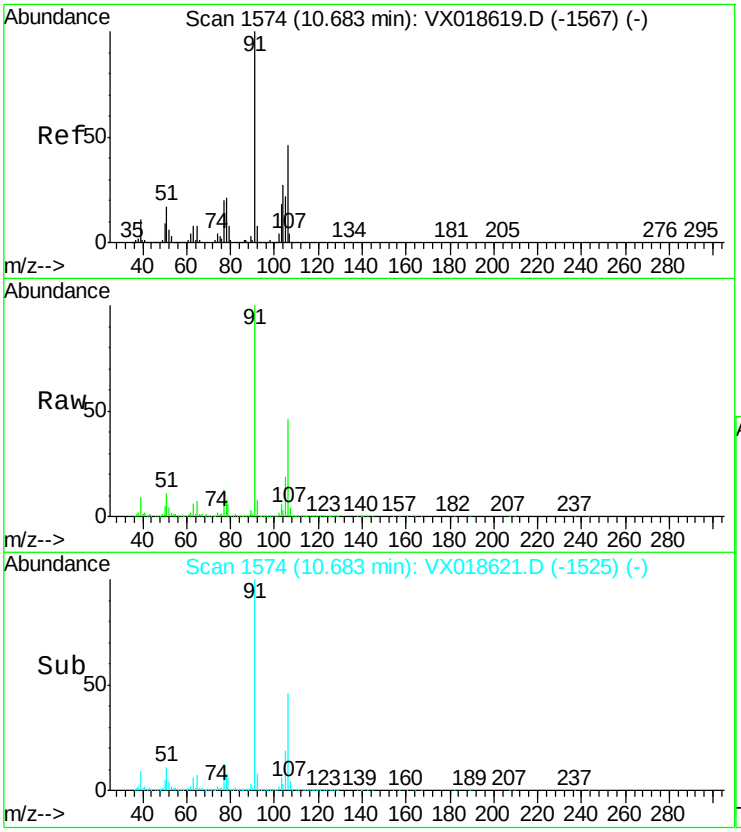


#55
m,p-xylene
Concen: 21.755 ug/L
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX018621.D
Acq: 28 Sep 2020 17:42

Tgt Ion:106 Resp: 511859

Ion	Ratio	Lower	Upper
106	100		
91	206.3	140.3	260.6





#56
o-xylene
Concen: 40.392 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX018621.D
Acq: 28 Sep 2020 17:42

Tgt Ion:106 Resp: 897985

Ion	Ratio	Lower	Upper
106	100		
91	216.5	167.5	311.1

Instrument :
MSVOA_X
ClientSampleId :
BG0Q5

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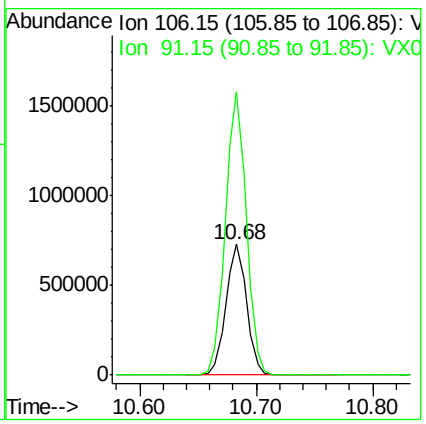
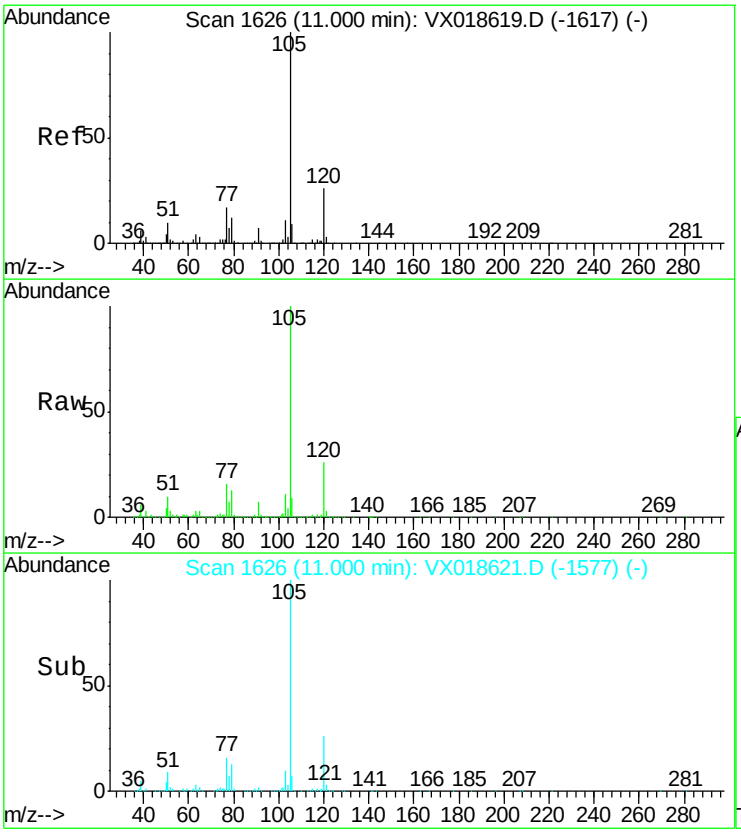
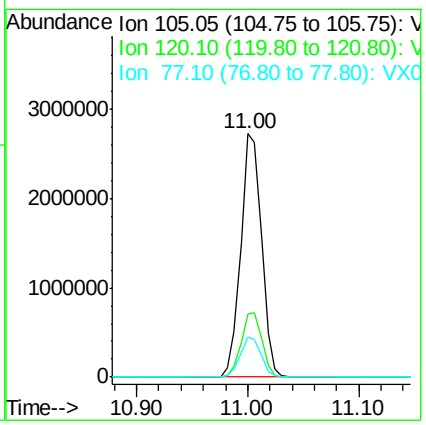


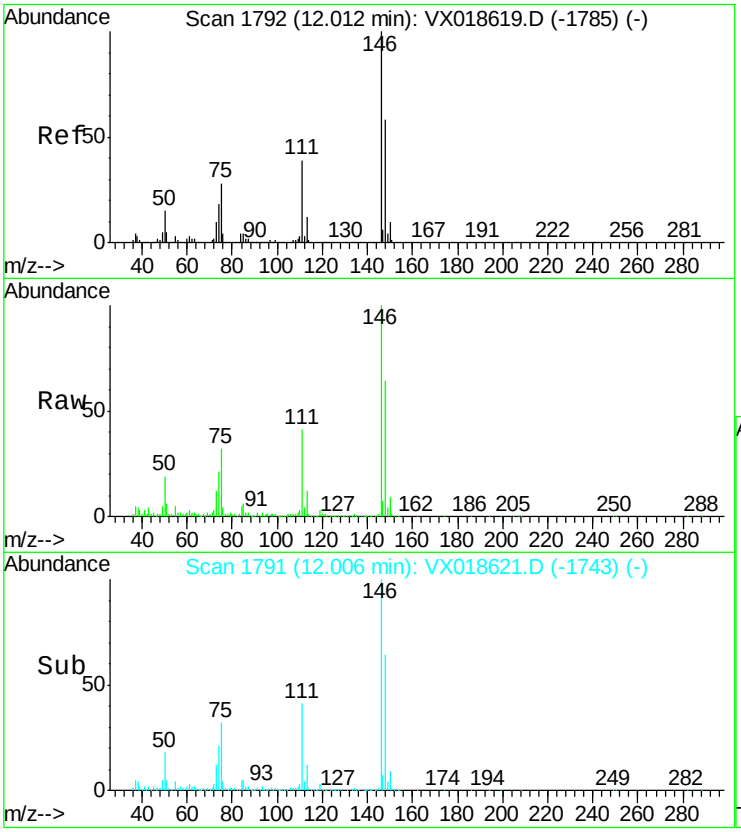


#58
Isopropylbenzene
Concen: 59.003 ug/L
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX018621.D
Acq: 28 Sep 2020 17:42

Tgt Ion:105 Resp: 3517065

Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.2	31.8
77	16.4	13.3	19.9

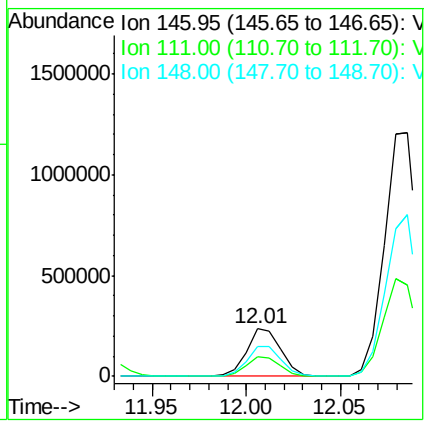




#63
1,3-Dichlorobenzene
Concen: 9.367 ug/L
RT: 12.01 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX018621.D
Acq: 28 Sep 2020 17:42

Tgt Ion:146 Resp: 295852

Ion	Ratio	Lower	Upper
146	100		
111	40.8	26.7	49.7
148	63.8	44.4	82.5



Instrument :
MSVOA_X
ClientSampleId :
BG0Q5

Manual Integrations APPROVED
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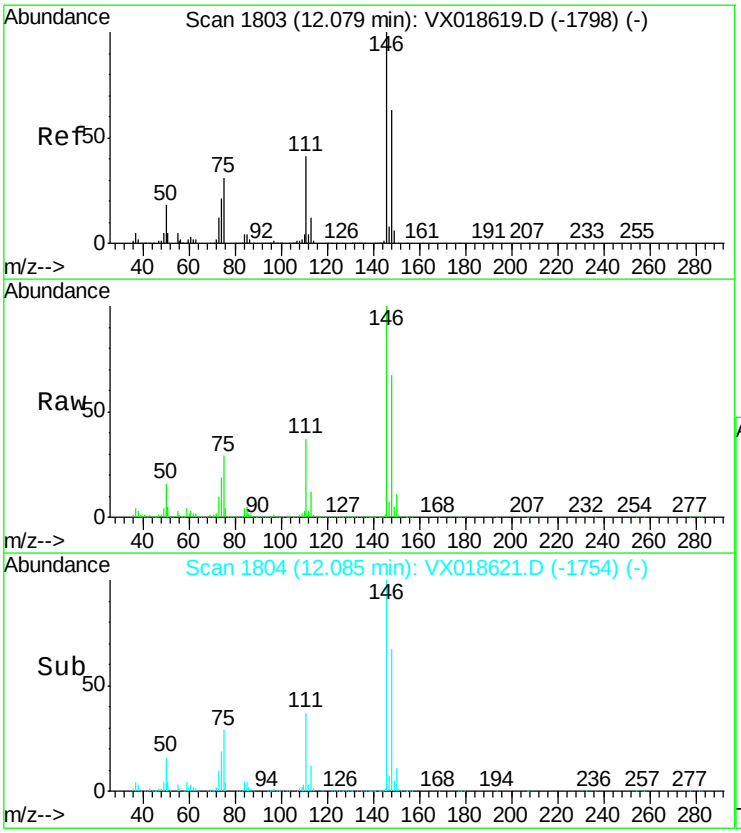
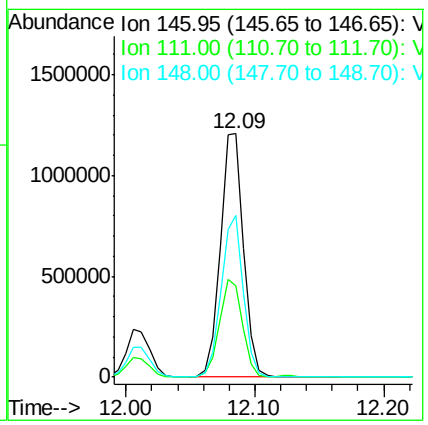
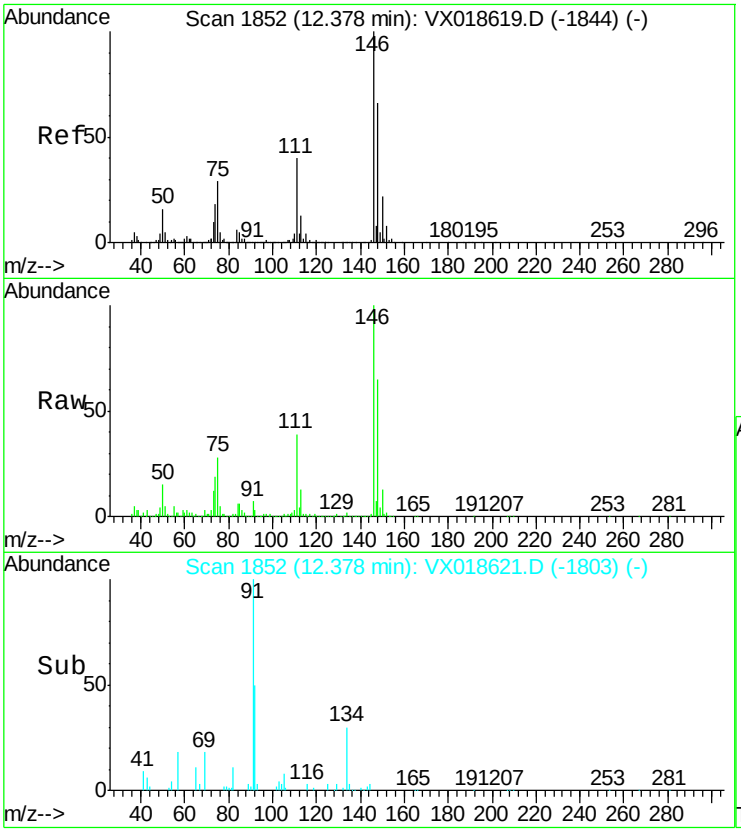


#64
1,4-Dichlorobenzene
Concen: 47.932 ug/L
RT: 12.09 min Scan# 1804
Delta R.T. 0.01 min
Lab File: VX018621.D
Acq: 28 Sep 2020 17:42

Tgt Ion:146 Resp: 1529297

Ion	Ratio	Lower	Upper
146	100		
111	37.3	28.8	53.4
148	66.6	44.9	83.3





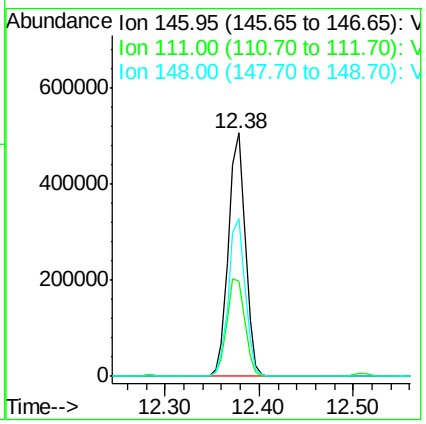
#66
1,2-Dichlorobenzene
Concen: 21.638 ug/L
RT: 12.38 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VX018621.D
Acq: 28 Sep 2020 17:42

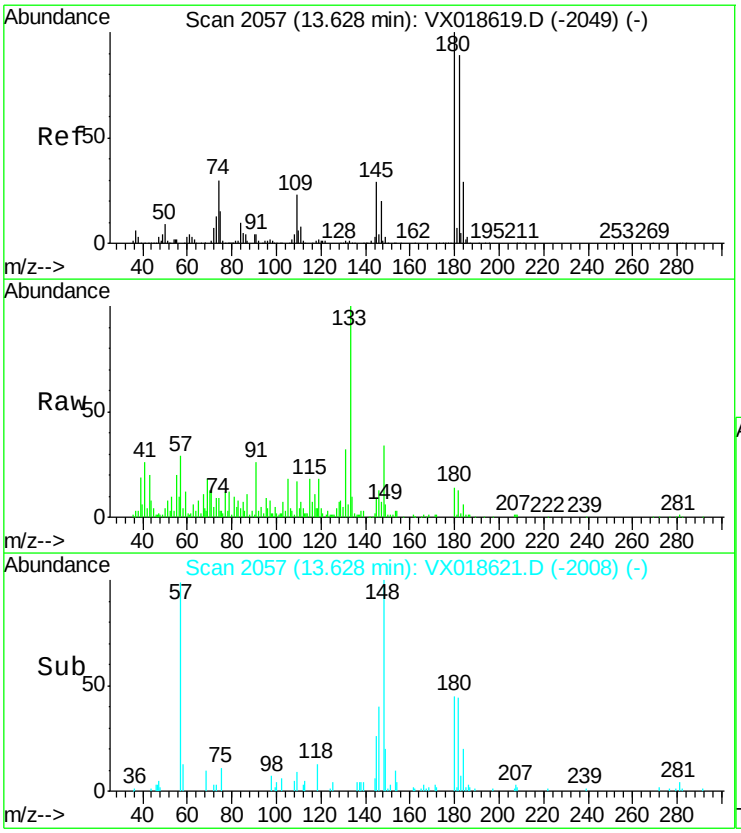
Tgt Ion:146 Resp: 636737

Ion	Ratio	Lower	Upper
146	100		
111	39.3	33.6	50.4
148	64.7	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
BG0Q5

Manual Integrations APPROVED
MMDadoda
9/29/2020 9:43:15 AM





#69
1,2,4-trichlorobenzene
Concen: 0.192 ug/L
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX018621.D
Acq: 28 Sep 2020 17:42

Tgt Ion:180 Resp: 3741

Ion	Ratio	Lower	Upper
180	100		
182	84.1	74.6	112.0
145	91.7	25.0	37.6#