Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101520\
Data File : VW016902.D
Acq On : 14 Oct 2020 14:00
Operator : SY/VA
Sample : L4382-12
Misc : 5.70G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3Y0

Manual Integrations APPROVED
MMDadoda
10/19/2020 10:59:10 AM

Quant Time: Oct 15 09:12:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 15 08:29:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	429345	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.65	117	295422	25.00	ug/L	0.01
60) 1,4-Dichlorobenzene-d4	13.56	152	126598	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	95824	22.62	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 90.48%			
7) Chloroethane-d5	2.90	69	87576	24.65	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 98.60%			
10) 1,1-Dichloroethene-d2	4.03	63	161547	17.96	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 71.84%			
20) 2-Butanone-d5	7.08	46	54168	56.46	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 112.92%			
24) Chloroform-d	7.65	84	234202	25.85	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 103.40%			
26) 1,2-Dichloroethane-d4	8.31	65	122262	27.94	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 111.76%			
29) Benzene-d6	8.28	84	449396	33.49	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 133.96%			
33) 1,2-Dichloropropane-d6	9.28	67	122008	33.84	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 135.36%#			
37) Toluene-d8	10.34	98	394882	31.19	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 124.76%			
38) trans-1,3-Dichloropropene-	10.59	79	55457	34.87	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 139.48%#			
39) 2-Hexanone-d5	0.00	63	0d	0.00	ug/L	
Spiked Amount 50.000	Range 20 - 135		Recovery = 0.00%#			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	86425	29.67	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 118.68%			
61) 1,2-Dichlorobenzene-d4	13.86	152	109054	27.16	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 108.64%			
Target Compounds						Qvalue
5) Vinyl chloride	2.36	62	1826	0.311	ug/L #	1
12) 1,1-Dichloroethene	4.06	96	15136	2.727	ug/L #	1
13) Acetone	4.14	43	5985	8.244	ug/L	99
14) Carbon disulfide	4.40	76	10653	0.669	ug/L #	94
16) Methylene chloride	4.94	84	12901m	2.177	ug/L	
19) 1,1-Dichloroethane	6.22	63	2918	0.327	ug/L #	96
22) cis-1,2-Dichloroethene	7.18	96	11245	1.900	ug/L	97
34) Benzene	8.33	78	351450	22.153	ug/L	100
35) Trichloroethene	9.10	95	1772344	394.953	ug/L	99
47) Tetrachloroethene	10.86	164	40770045m	9799.627	ug/L	
53) Ethylbenzene	11.74	91	9621	0.487	ug/L	95
54) m,p-Xylene	11.85	106	19365	2.522	ug/L	90
55) o-xylene	12.18	106	10554	1.439	ug/L	96
57) Isopropylbenzene	12.47	105	16329	0.813	ug/L #	97
64) 1,4-Dichlorobenzene	13.58	146	39003	4.840	ug/L #	90
65) 1,2-Dichlorobenzene	13.87	146	40879	5.667	ug/L #	87

Quantitation Report (LSC Reviewed)

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Data File : VW016902.D
Acq On : 14 Oct 2020 14:00
Operator : SY/VA
Sample : L4382-12
Misc : 5.70G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y0

Manual Integrations APPROVED
MMDadoda
10/19/2020 10:59:10 AM

Quant Time: Oct 15 09:12:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 15 08:29:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101520\
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MSVOA_W
ClientSampleId :
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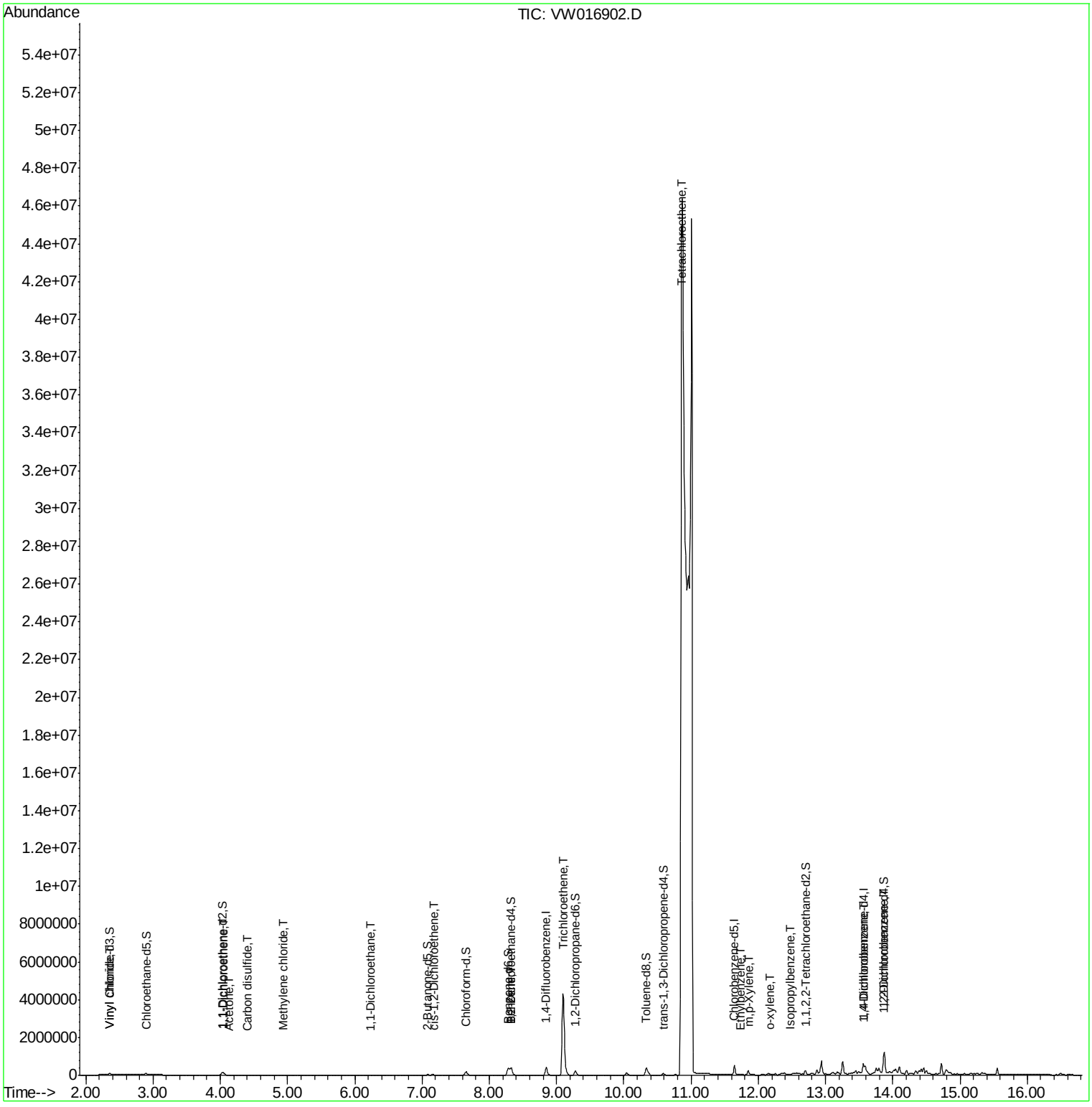
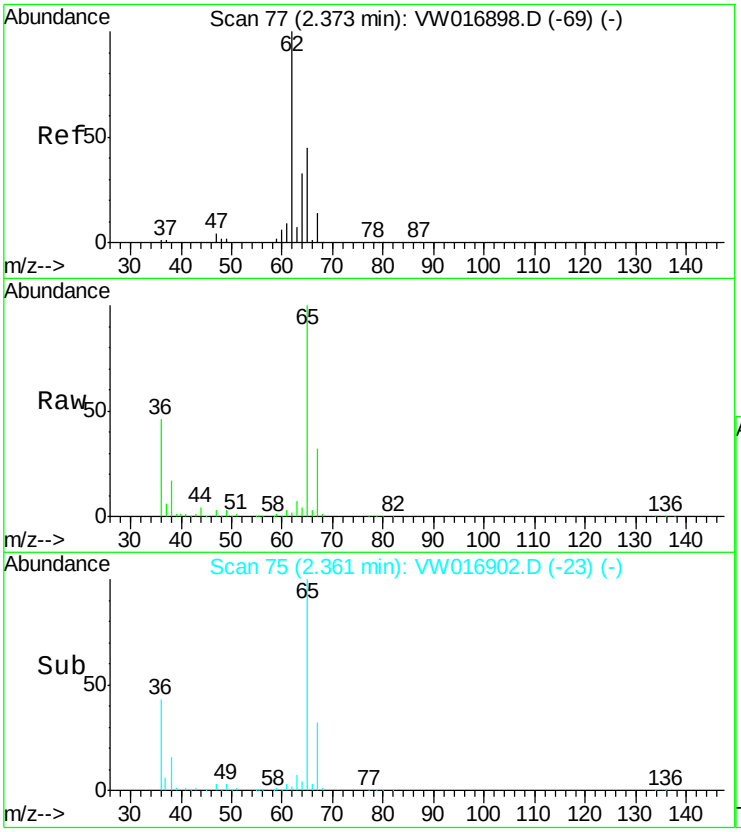
Manual Integrations APPROVED
MMDadoda
10/19/2020 10:59:10 AM





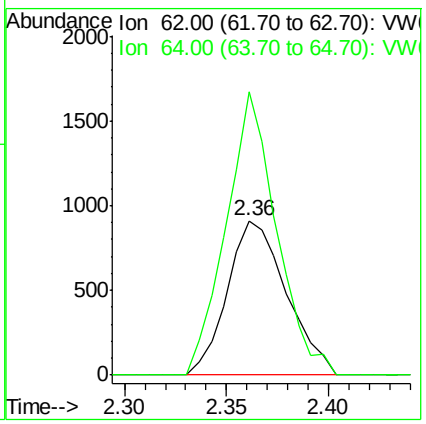
#5
Vinyl chloride
Concen: 0.311 ug/L
RT: 2.36 min Scan# 75
Delta R.T. -0.01 min
Lab File: VW016902.D
Acq: 14 Oct 2020 14:00

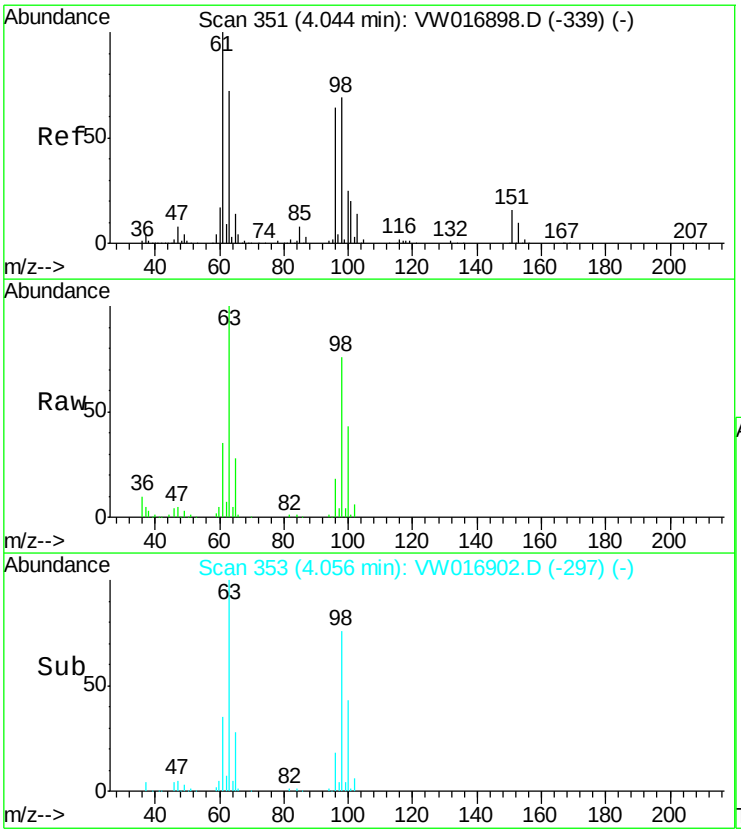
Tgt Ion: 62 Resp: 1826

Ion	Ratio	Lower	Upper
62	100		
64	183.5	23.5	43.7#

Instrument :
MSVOA_W
ClientSampleId :
BG3Y0

Manual Integrations APPROVED
MMDadoda
10/19/2020 10:59:10 AM

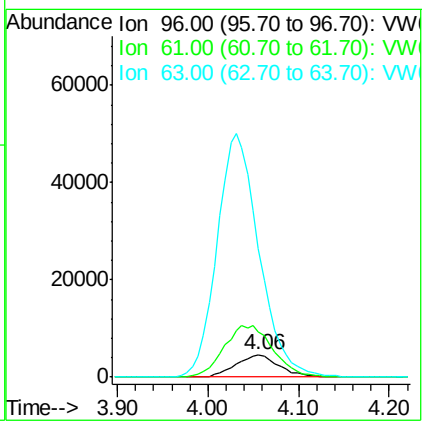


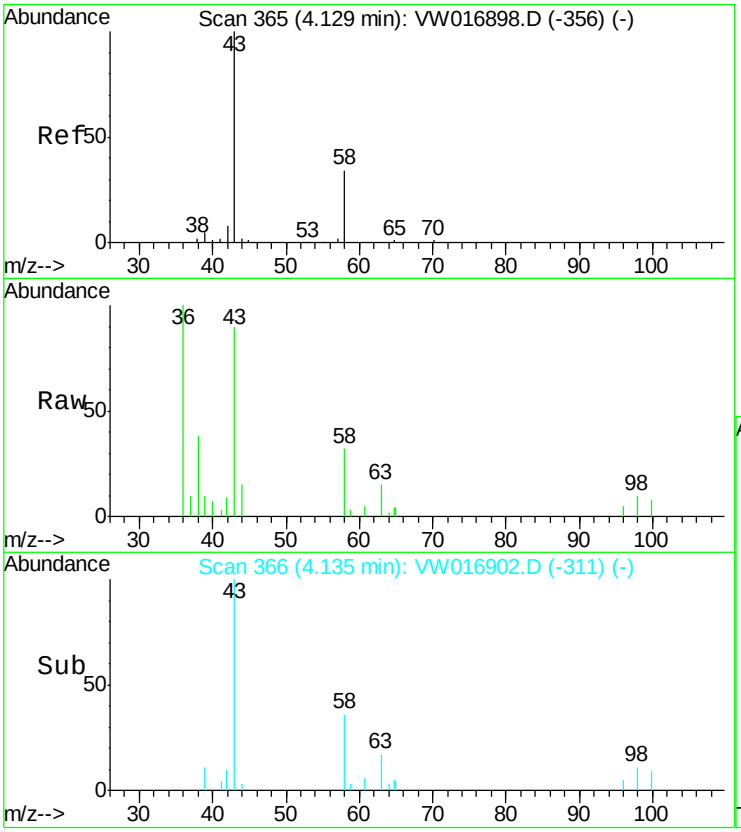


#12
1,1-Dichloroethene
Concen: 2.727 ug/L
RT: 4.06 min Scan# 353
Delta R.T. 0.01 min
Lab File: VW016902.D
Acq: 14 Oct 2020 14:00

Tgt Ion: 96 Resp: 15136

Ion	Ratio	Lower	Upper
96	100		
61	200.9	105.1	195.1#
63	569.8	69.9	129.7#





#13
Acetone
Concen: 8.244 ug/L
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW016902.D
Acq: 14 Oct 2020 14:00

Tgt Ion: 43 Resp: 5985

Ion	Ratio	Lower	Upper
43	100		
58	33.1	0.0	67.6

Instrument :
MSVOA_W
ClientSampleId :
BG3Y0

Manual Integrations APPROVED
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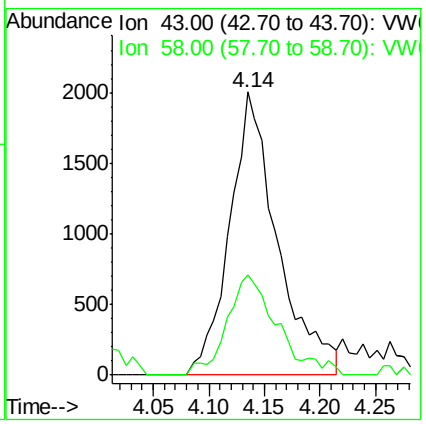
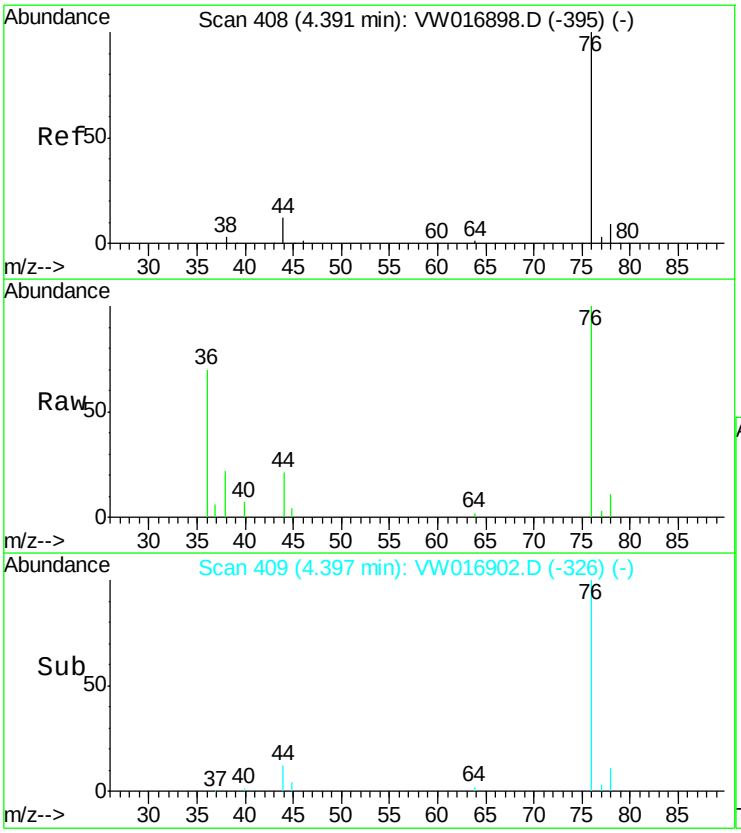
10/19/2020 10:59:10 AM

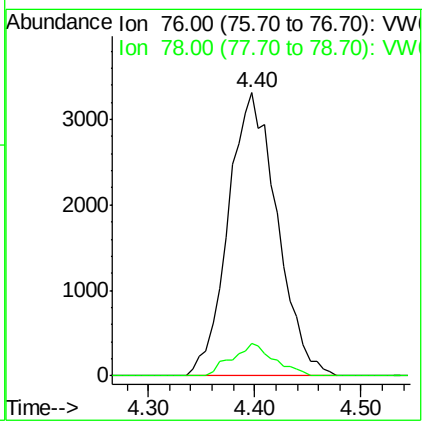


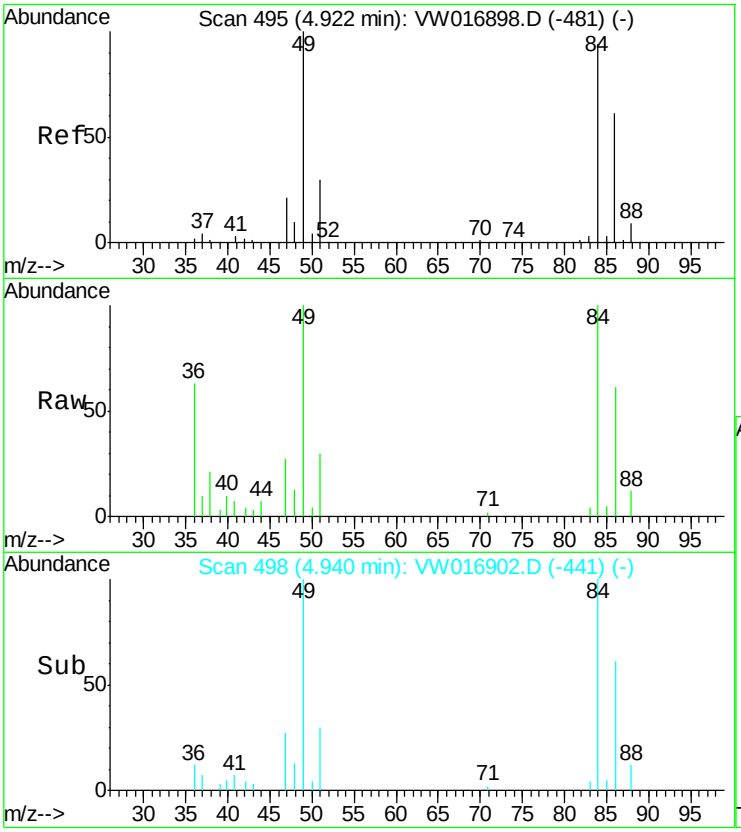


#14
Carbon disulfide
Concen: 0.669 ug/L
RT: 4.40 min Scan# 409
Delta R.T. 0.01 min
Lab File: VW016902.D
Acq: 14 Oct 2020 14:00

Tgt Ion: 76 Resp: 10653

Ion	Ratio	Lower	Upper
76	100		
78	11.3	7.4	11.0#

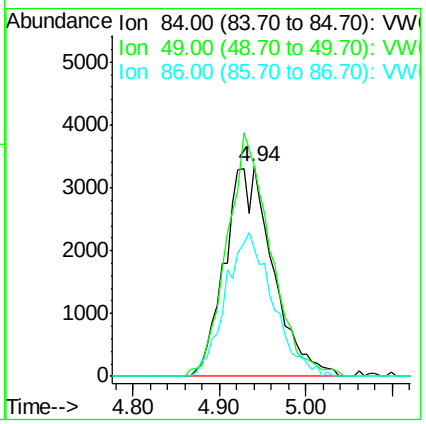




#16
Methylene chloride
Concen: 2.177 ug/L m
RT: 4.94 min Scan# 498
Delta R.T. 0.02 min
Lab File: VW016902.D
Acq: 14 Oct 2020 14:00

Tgt Ion: 84 Resp: 12901

Ion	Ratio	Lower	Upper
84	100		
49	99.9	73.1	135.8
86	60.6	46.0	85.4



Instrument :
MSVOA_W
ClientSampleId :
BG3Y0

Manual Integrations APPROVED
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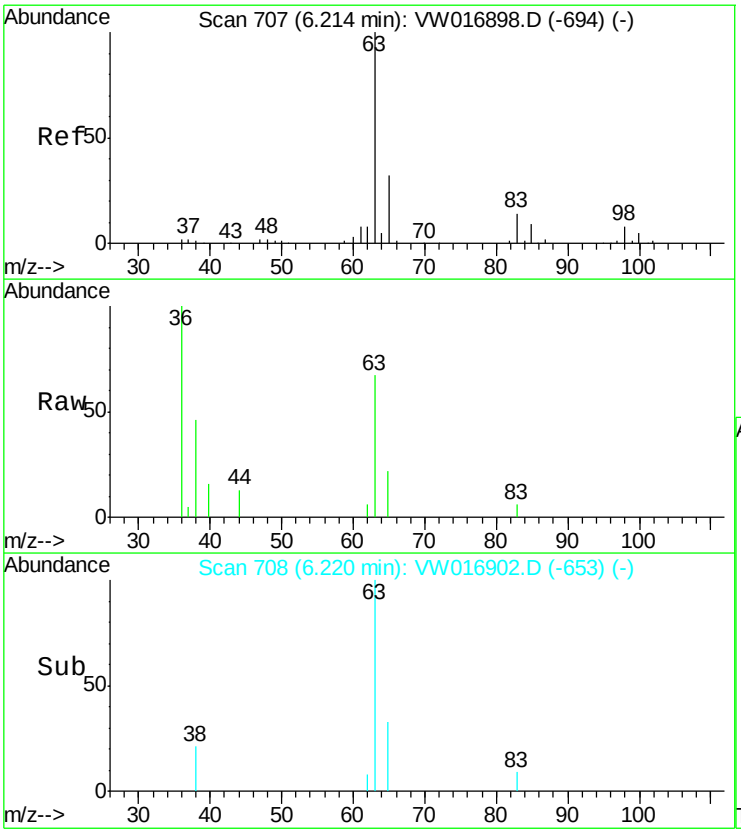
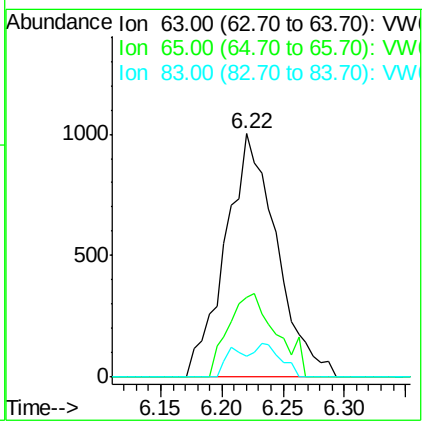
10/19/2020 10:59:10 AM

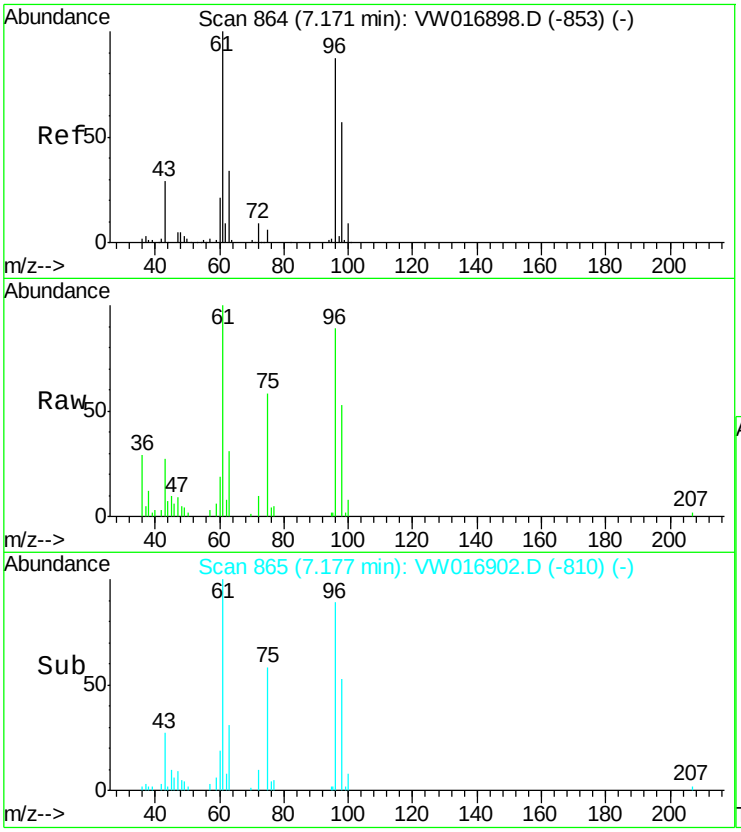


#19
1,1-Dichloroethane
Concen: 0.327 ug/L
RT: 6.22 min Scan# 708
Delta R.T. 0.01 min
Lab File: VW016902.D
Acq: 14 Oct 2020 14:00

Tgt Ion: 63 Resp: 2918

Ion	Ratio	Lower	Upper
63	100		
65	32.5	22.7	42.1
83	8.8	9.9	18.5#

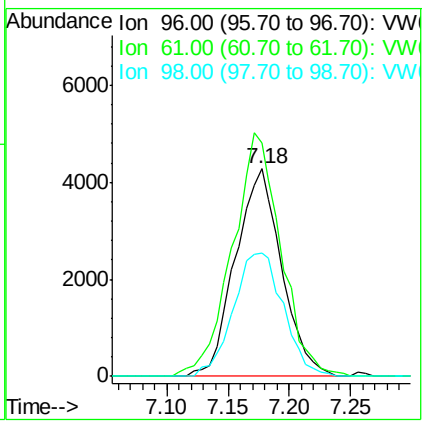




#22
cis-1,2-Dichloroethene
Concen: 1.900 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW016902.D
Acq: 14 Oct 2020 14:00

Tgt Ion: 96 Resp: 11245

Ion	Ratio	Lower	Upper
96	100		
61	112.4	76.0	141.2
98	59.5	42.7	79.3



Instrument :
MSVOA_W
ClientSampleId :
BG3Y0

Manual Integrations APPROVED
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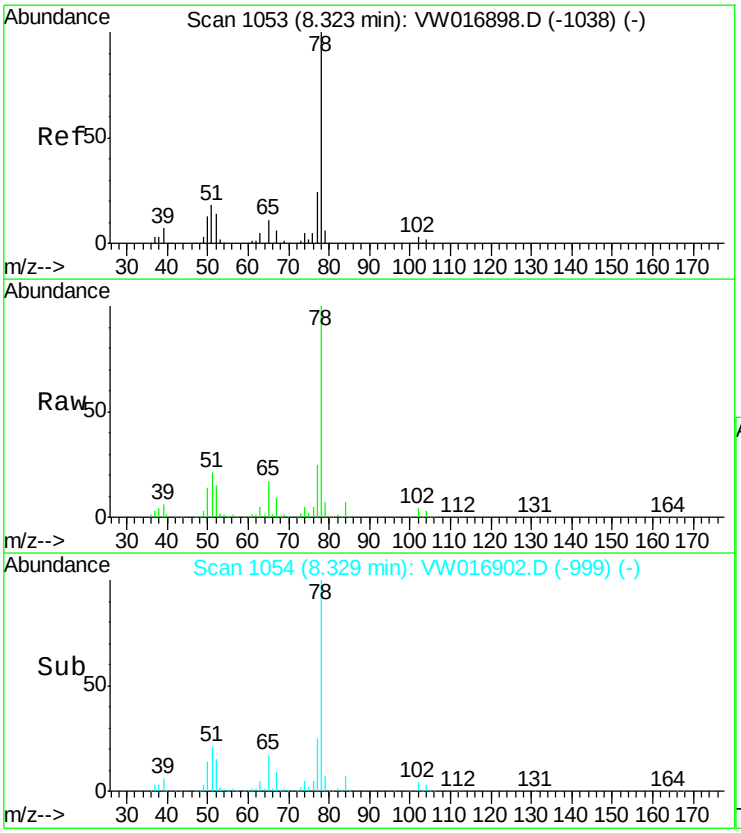
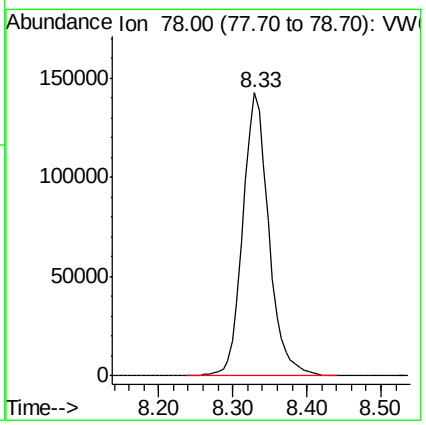
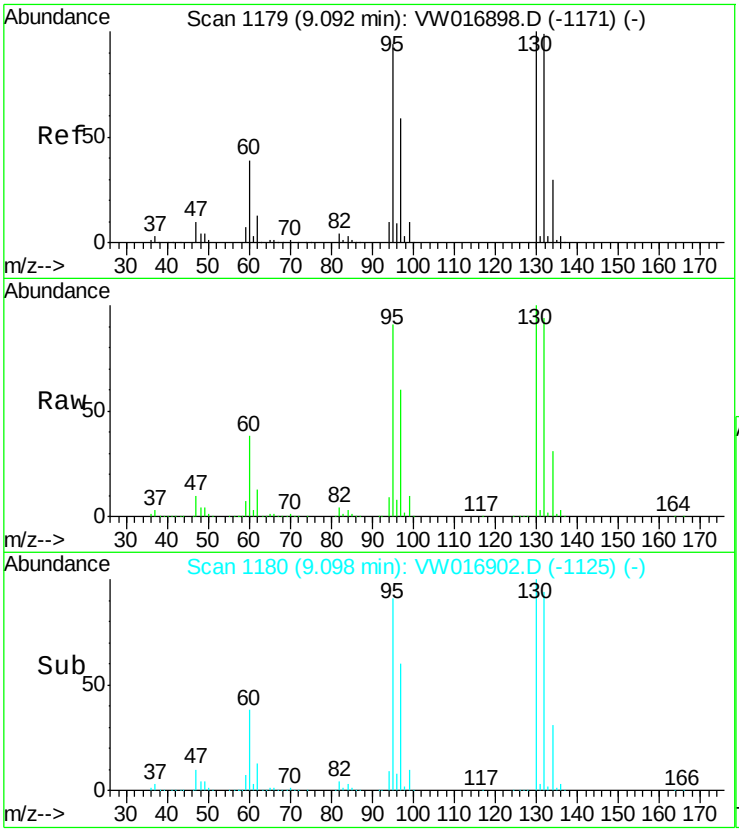


#34
Benzene
Concen: 22.153 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW016902.D
Acq: 14 Oct 2020 14:00

Tgt Ion: 78 Resp: 351450

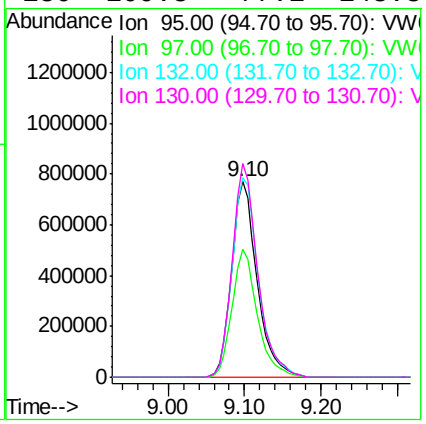




#35
Trichloroethene
Concen: 394.953 ug/L
RT: 9.10 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VW016902.D
Acq: 14 Oct 2020 14:00

Tgt Ion: 95 Resp: 1772344

Ion	Ratio	Lower	Upper
95	100		
97	65.1	44.7	83.1
132	105.5	73.8	137.2
130	109.3	77.1	143.3



Instrument :
MSVOA_W
ClientSampleId :
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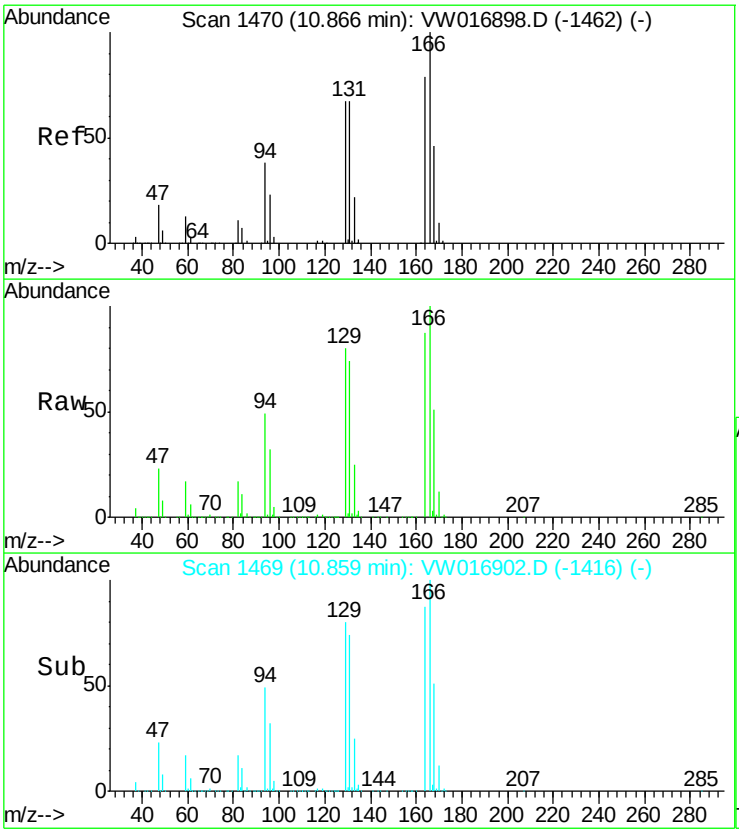
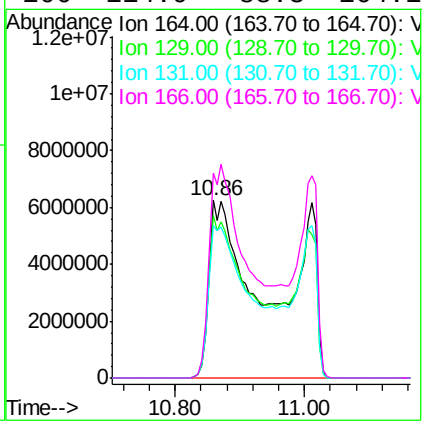
10/19/2020 10:59:10 AM

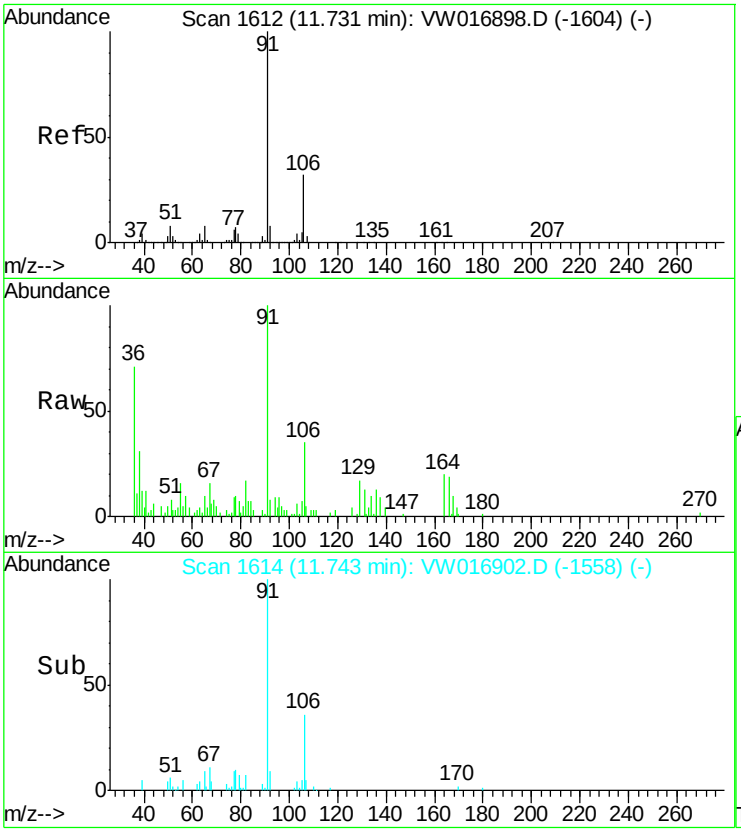


#47
Tetrachloroethene
Concen: 9799.627 ug/L m
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW016902.D
Acq: 14 Oct 2020 14:00

Tgt Ion:164 Resp:40770045

Ion	Ratio	Lower	Upper
164	100		
129	91.5	61.7	114.7
131	85.5	59.7	110.9
166	114.9	88.3	164.1

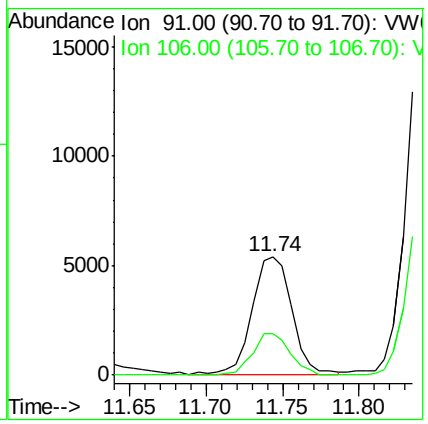




#53
Ethylbenzene
Concen: 0.487 ug/L
RT: 11.74 min Scan# 1614
Delta R.T. 0.01 min
Lab File: VW016902.D
Acq: 14 Oct 2020 14:00

Tgt Ion: 91 Resp: 9621

Ion	Ratio	Lower	Upper
91	100		
106	35.3	22.8	42.4



Instrument :
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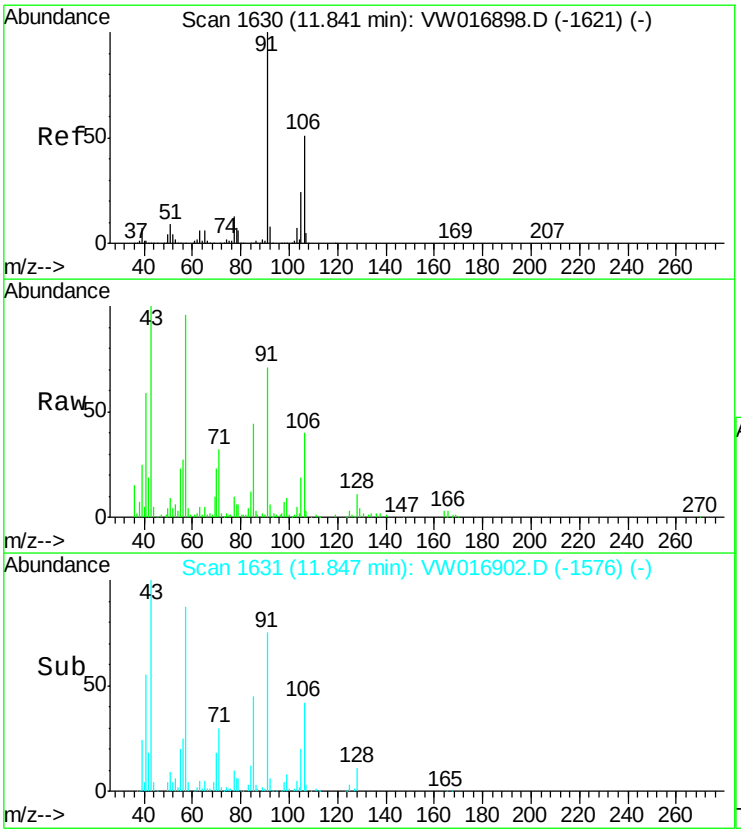
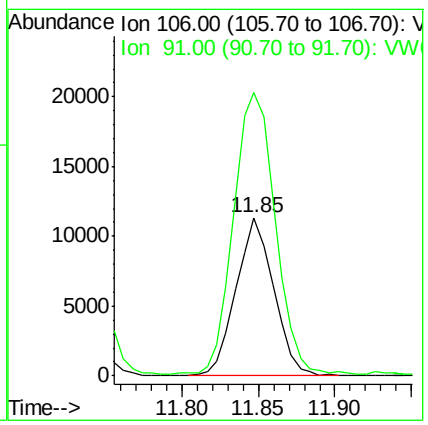
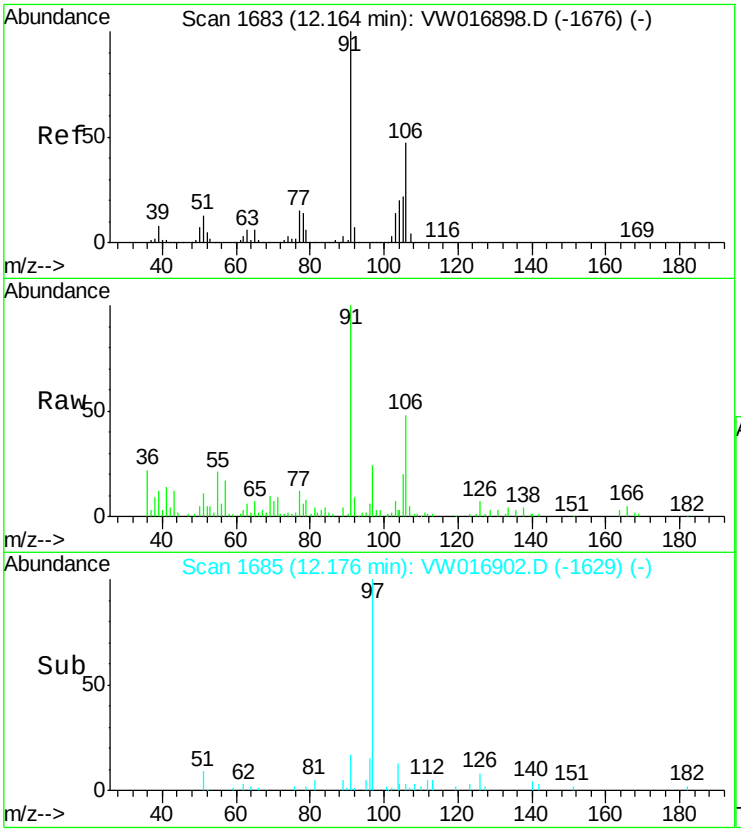


#54
m,p-Xylene
Concen: 2.522 ug/L
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW016902.D
Acq: 14 Oct 2020 14:00

Tgt Ion:106 Resp: 19365

Ion	Ratio	Lower	Upper
106	100		
91	179.1	135.6	251.8

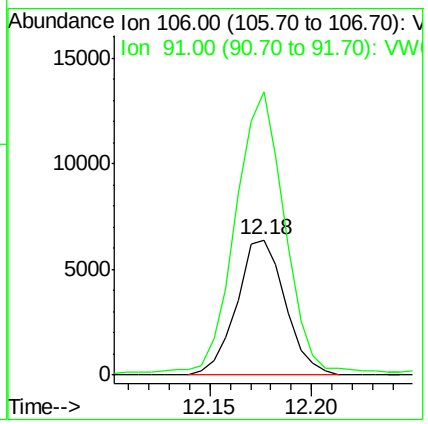




#55
o-xylene
Concen: 1.439 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VW016902.D
Acq: 14 Oct 2020 14:00

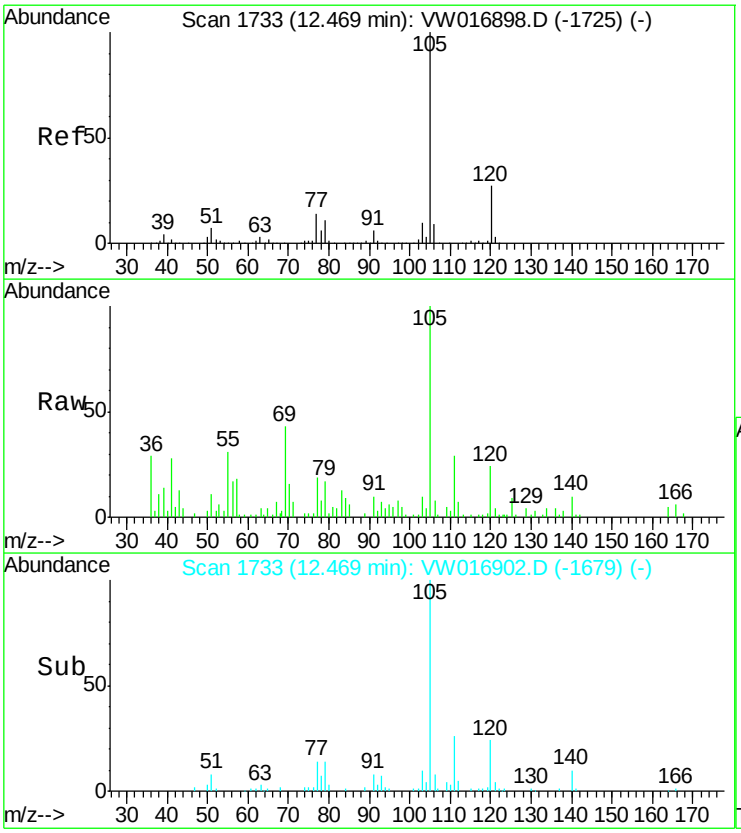
Tgt Ion:106 Resp: 10554

Ion	Ratio	Lower	Upper
106	100		
91	209.4	142.6	264.8



Instrument :
MSVOA_W
ClientSampleId :
BG3Y0

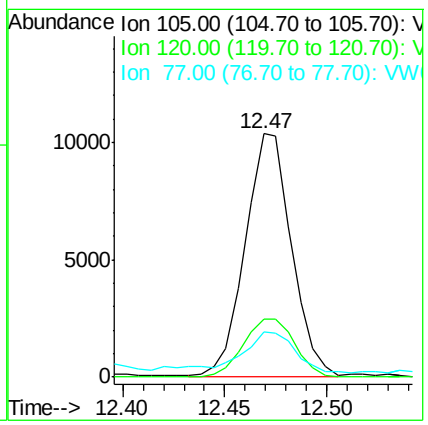
Manual Integrations APPROVED
MMDadoda
10/19/2020 10:59:10 AM

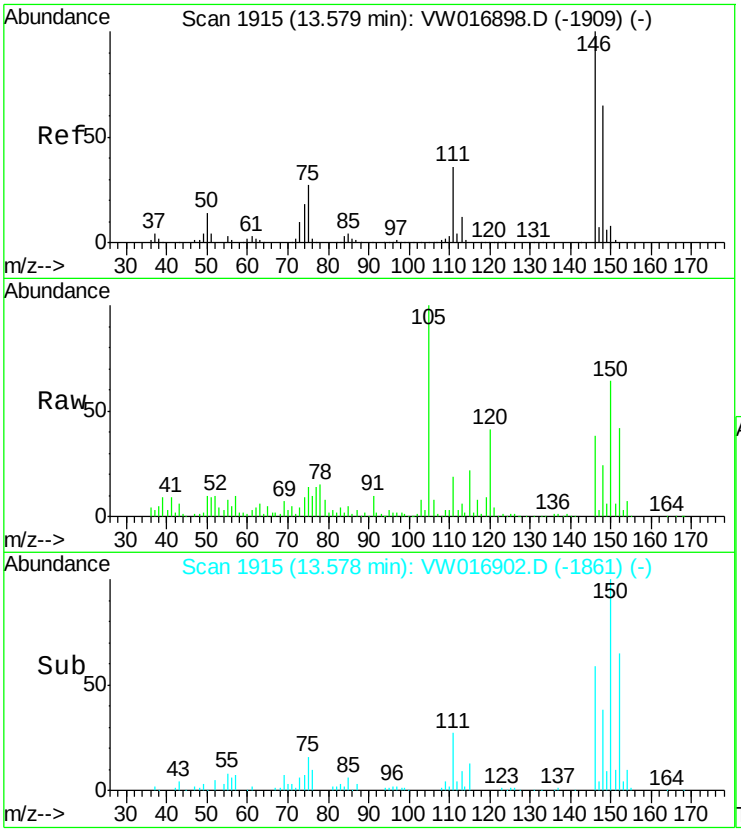


#57
Isopropylbenzene
Concen: 0.813 ug/L
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW016902.D
Acq: 14 Oct 2020 14:00

Tgt Ion:105 Resp: 16329

Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.5	32.3
77	17.5	11.4	17.2#

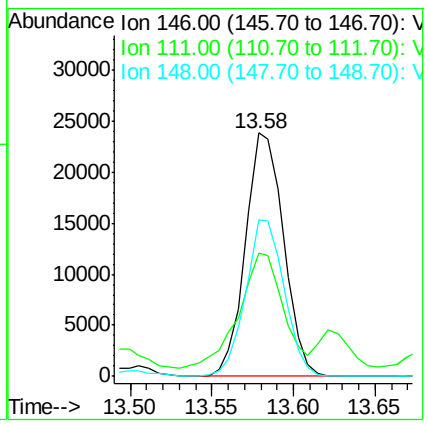




#64
1,4-Dichlorobenzene
Concen: 4.840 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW016902.D
Acq: 14 Oct 2020 14:00

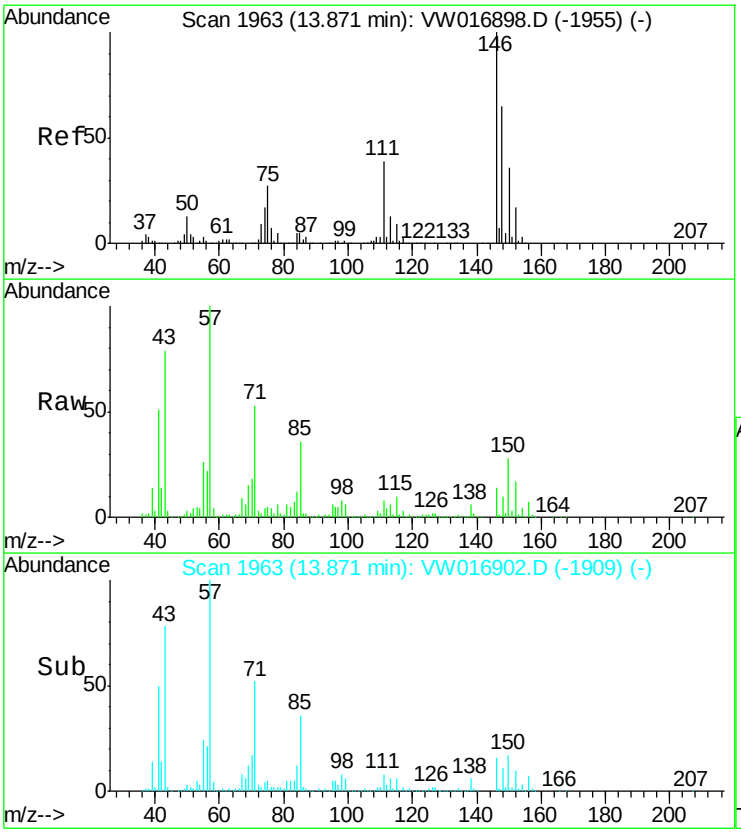
Tgt Ion:146 Resp: 39003

Ion	Ratio	Lower	Upper
146	100		
111	50.9	26.0	48.4#
148	64.2	43.9	81.5



Instrument :
MSVOA_W
ClientSampleId :
BG3Y0

Manual Integrations APPROVED
MMDadoda
10/19/2020 10:59:10 AM



#65
1,2-Dichlorobenzene
Concen: 5.667 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW016902.D
Acq: 14 Oct 2020 14:00

Tgt Ion:146 Resp: 40879

Ion	Ratio	Lower	Upper
146	100		
111	54.3	32.1	48.1#
148	70.1	51.8	77.6